

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011155.D
 Acq On : 08 Jul 2019 10:13
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:12:37 PM

Quant Time: Jul 09 05:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167493	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	16615	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
35) Dibromofluoromethane	7.88	113	12952	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
50) Toluene-d8	10.32	98	51208	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
62) 4-Bromofluorobenzene	12.62	95	19446	5.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10025	5.320	ug/l	99
3) Chloromethane	2.21	50	13508	5.564	ug/l	96
4) Vinyl Chloride	2.35	62	16711	5.259	ug/l	98
5) Bromomethane	2.77	94	8825	5.527	ug/l	92
6) Chloroethane	2.92	64	8847	5.169	ug/l	96
7) Trichlorofluoromethane	3.24	101	6177	5.472	ug/l	100
8) Diethyl Ether	3.68	74	7610	4.872	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14237	5.265	ug/l	97
10) Methyl Iodide	4.27	142	18775	5.048	ug/l	99
11) Tert butyl alcohol	5.17	59	5823	24.775	ug/l	99
12) 1,1-Dichloroethene	4.03	96	14657	5.222	ug/l	96
13) Acrolein	3.88	56	4442	23.734	ug/l	97
14) Allyl chloride	4.65	41	27030	5.281	ug/l	100
15) Acrylonitrile	5.36	53	19012	23.899	ug/l	97
16) Acetone	4.11	43	20259	26.523	ug/l	98
17) Carbon Disulfide	4.38	76	44300	5.206	ug/l	98
18) Methyl Acetate	4.67	43	15529	6.501	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	20973	4.925	ug/l	97
20) Methylene Chloride	4.92	84	15981	5.304	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	14896	5.108	ug/l	94
22) Diisopropyl ether	6.31	45	53745	4.882	ug/l	98
23) Vinyl Acetate	6.25	43	137891	20.241	ug/l	99
24) 1,1-Dichloroethane	6.21	63	29145	5.042	ug/l	99
25) 2-Butanone	7.16	43	27893	23.263	ug/l	94
26) 2,2-Dichloropropane	7.16	77	16327	5.434	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	15377	4.888	ug/l	96
28) Bromochloromethane	7.51	49	13641	5.190	ug/l	100
29) Tetrahydrofuran	7.53	42	17973	22.860	ug/l	100
30) Chloroform	7.67	83	28370	5.300	ug/l	97
31) Cyclohexane	7.95	56	35731	5.810	ug/l #	77
32) 1,1,1-Trichloroethane	7.87	97	21398	5.255	ug/l	98
36) 1,1-Dichloropropene	8.07	75	22840	5.195	ug/l	99
37) Ethyl Acetate	7.25	43	12884	4.877	ug/l	98
38) Carbon Tetrachloride	8.06	117	19282	5.173	ug/l	99

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	26931	5.053	ug/l	93
40) Benzene	8.32	78	62276	5.125	ug/l	96
41) Methacrylonitrile	7.48	41	7413	4.906	ug/l	94
42) 1,2-Dichloroethane	8.40	62	19992	5.072	ug/l	98
43) Isopropyl Acetate	8.43	43	22707	4.553	ug/l	96
44) Trichloroethene	9.09	130	14933	5.107	ug/l	96
45) 1,2-Dichloropropane	9.37	63	16733	5.085	ug/l	97
46) Dibromomethane	9.46	93	7558	4.890	ug/l	98
47) Bromodichloromethane	9.64	83	19472	4.923	ug/l	97
48) Methyl methacrylate	9.43	41	10382	4.327	ug/l	94
49) 1,4-Dioxane	9.45	88	2487	96.391	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	58684	22.524	ug/l	100
52) Toluene	10.38	92	36301	4.925	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	19410	4.611	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	23455	4.733	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	10772	4.912	ug/l	97
56) Ethyl methacrylate	10.65	69	14581	4.367	ug/l	99
57) 1,3-Dichloropropane	10.93	76	20082	4.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	31612	20.424	ug/l	99
59) 2-Hexanone	10.97	43	39703	21.973	ug/l	100
60) Dibromochloromethane	11.12	129	11086	4.610	ug/l	98
61) 1,2-Dibromoethane	11.24	107	9870	4.752	ug/l	99
64) Tetrachloroethene	10.86	164	13128	5.479	ug/l	96
65) Chlorobenzene	11.66	112	36804	5.098	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	12761	5.020	ug/l	99
67) Ethyl Benzene	11.73	91	69311	5.015	ug/l	98
68) m/p-Xylenes	11.83	106	50186	10.035	ug/l	100
69) o-Xylene	12.16	106	23358	4.956	ug/l	99
70) Styrene	12.18	104	38999	4.794	ug/l	99
71) Bromoform	12.35	173	6556	4.851	ug/l #	95
73) Isopropylbenzene	12.46	105	64499	5.151	ug/l	99
74) N-amyl acetate	12.27	43	20112	4.612	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	12924	5.036	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	10864m	5.598	ug/l	
77) Bromobenzene	12.75	156	14486	5.155	ug/l	98
78) n-propylbenzene	12.80	91	79699	5.167	ug/l	99
79) 2-Chlorotoluene	12.89	91	46037	5.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	54635	5.136	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	3954	4.620	ug/l	96
82) 4-Chlorotoluene	12.99	91	48083	5.201	ug/l	99
83) tert-Butylbenzene	13.21	119	45484	5.127	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	54493	5.102	ug/l	98
85) sec-Butylbenzene	13.38	105	67155	5.246	ug/l	99
86) p-Isopropyltoluene	13.50	119	58739	5.116	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	28671	5.303	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	28969	5.321	ug/l	91
89) n-Butylbenzene	13.82	91	58602	5.117	ug/l	100
90) Hexachloroethane	14.09	117	10990	5.238	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	25566	5.213	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2323	5.103	ug/l	92

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VSTDICC005

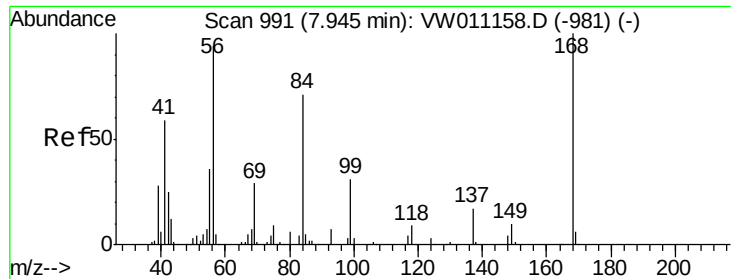
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	16449	4.869	ug/l	98
94) Hexachlorobutadiene	15.24	225	10809	5.212	ug/l	100
95) Naphthalene	15.37	128	27242	4.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	13916	4.668	ug/l	96

(#) = 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: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 252644

Ion Ratio Lower Upper

168 100

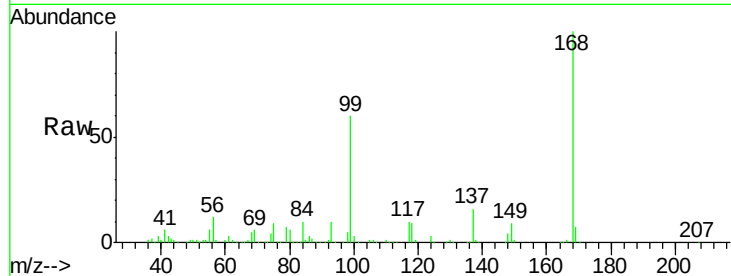
99 60.2 50.1 75.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

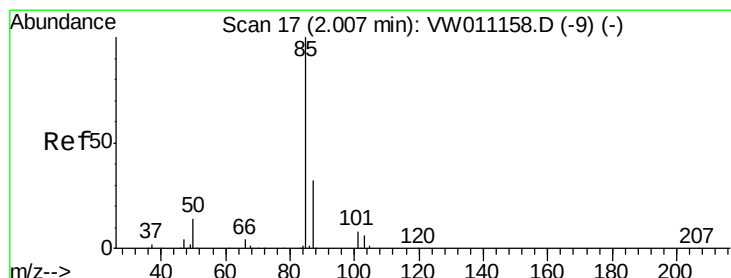
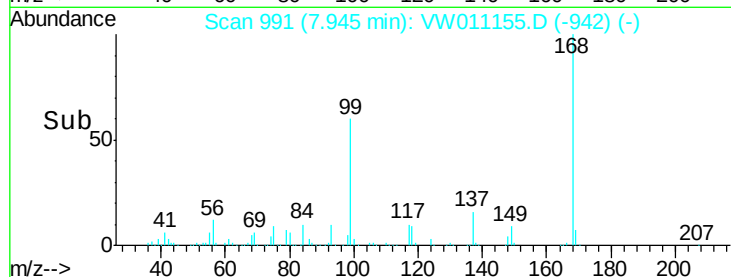
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 5.320 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011155.D

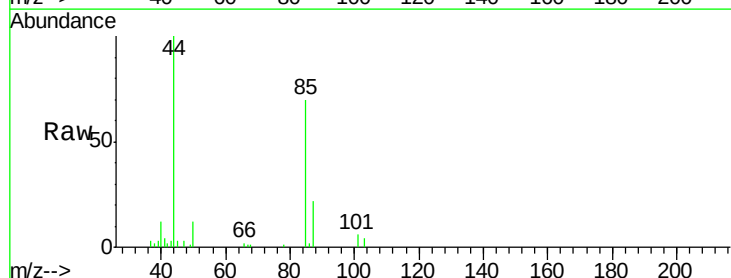
Acq: 08 Jul 2019 10:13

Tgt Ion: 85 Resp: 10025

Ion Ratio Lower Upper

85 100

87 31.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

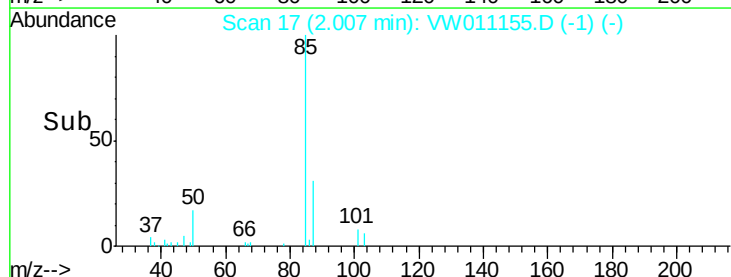
3000

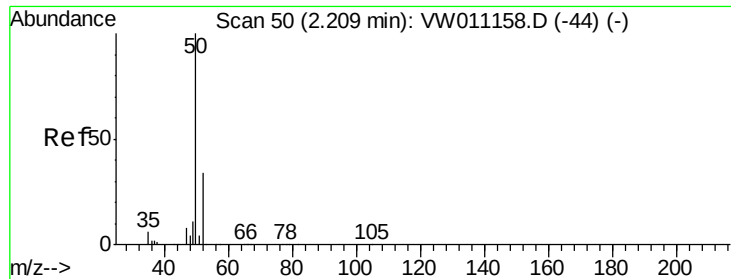
2000

1000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 5.564 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 13508

Ion Ratio Lower Upper

50 100

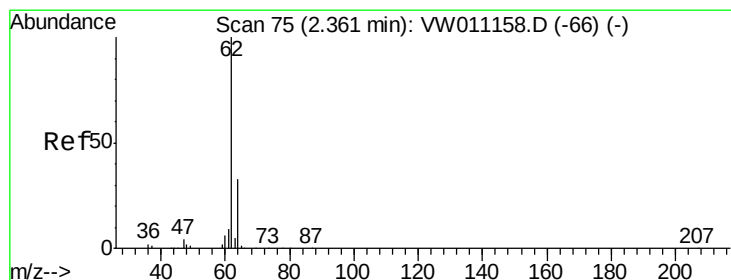
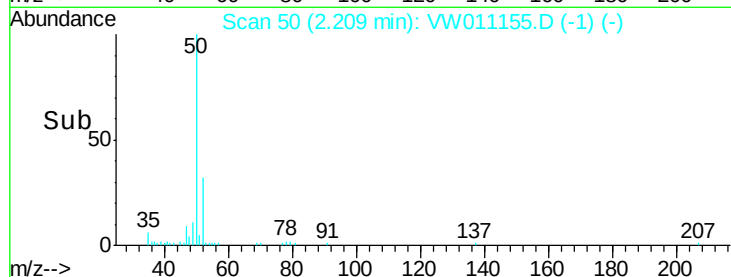
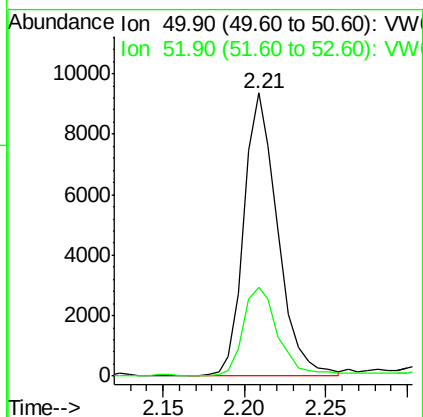
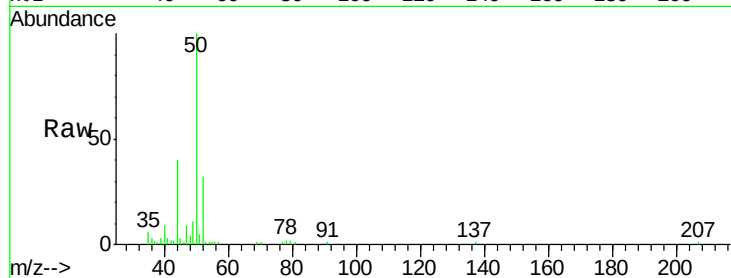
52 31.5 26.9 40.3

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#4

Vinyl Chloride

Concen: 5.259 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011155.D

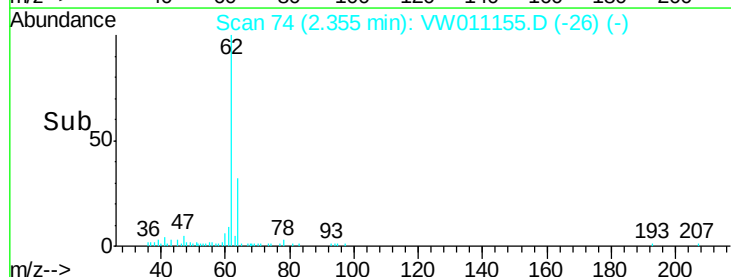
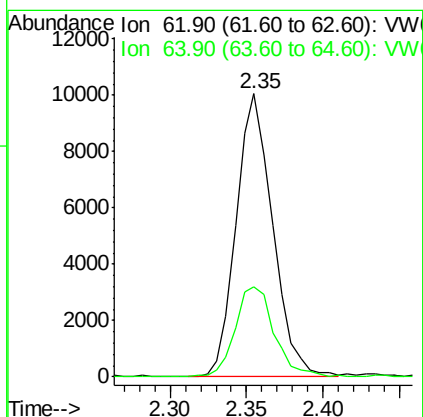
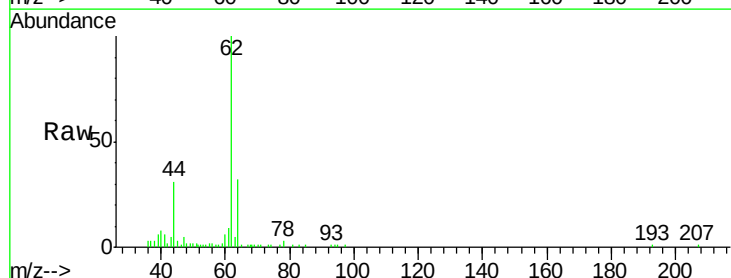
Acq: 08 Jul 2019 10:13

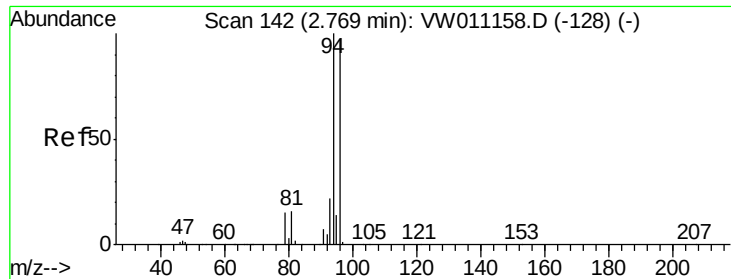
Tgt Ion: 62 Resp: 16711

Ion Ratio Lower Upper

62 100

64 31.9 26.6 40.0





#5

Bromomethane

Concen: 5.527 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8825

Ion Ratio Lower Upper

94 100

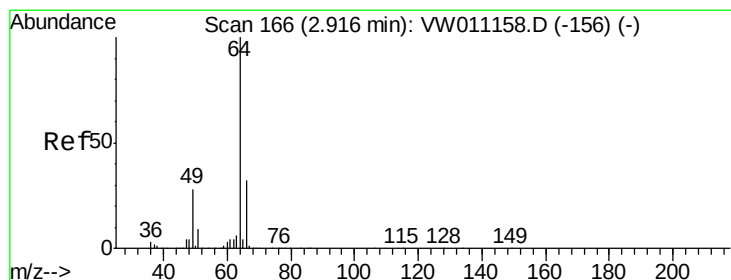
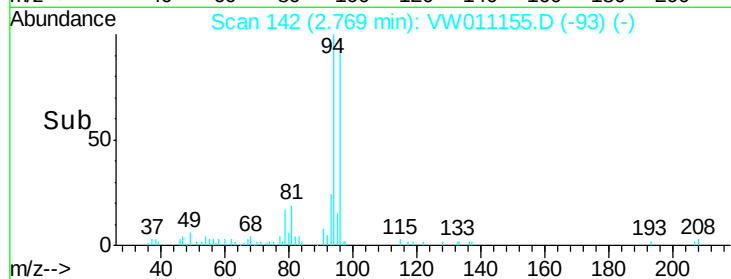
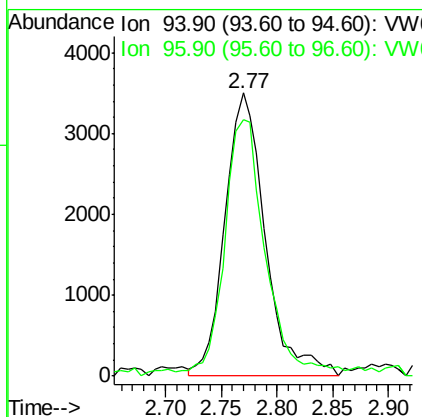
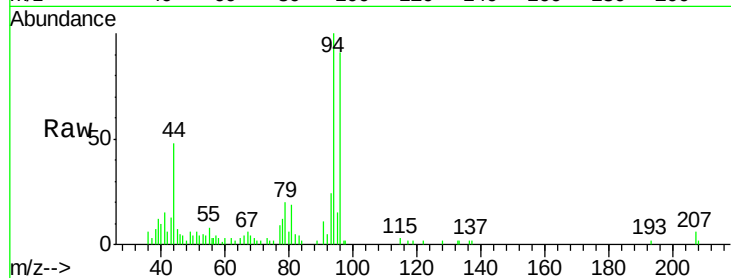
96 88.7 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 5.169 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011155.D

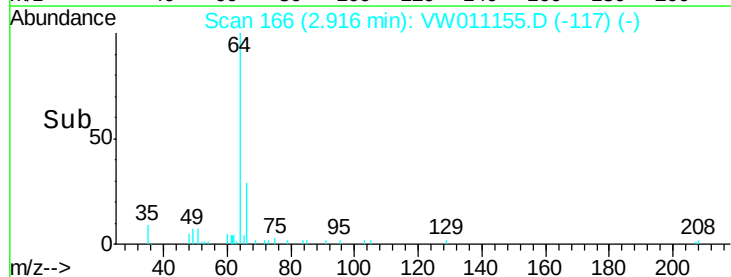
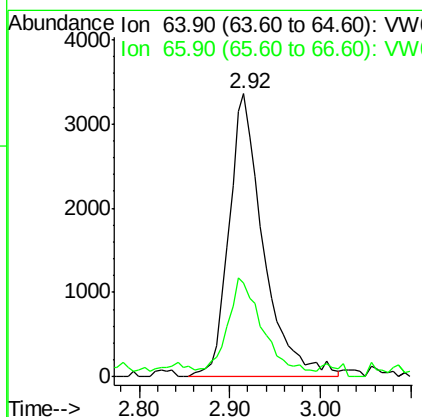
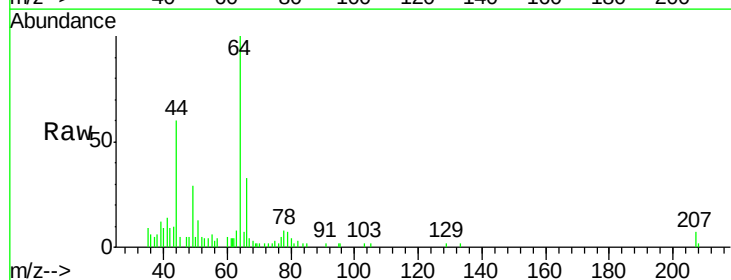
Acq: 08 Jul 2019 10:13

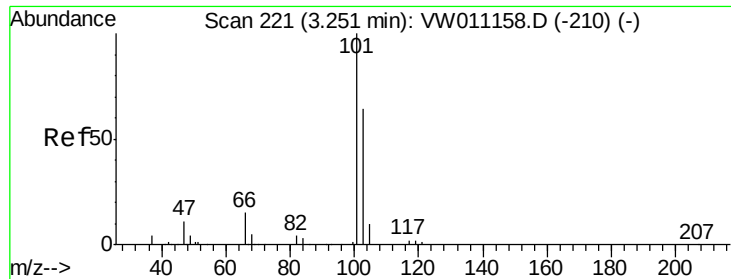
Tgt Ion: 64 Resp: 8847

Ion Ratio Lower Upper

64 100

66 30.3 25.8 38.8





#7

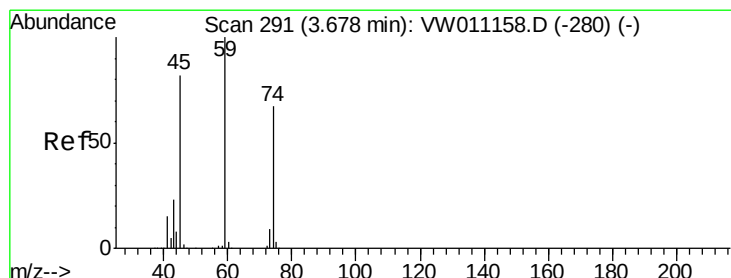
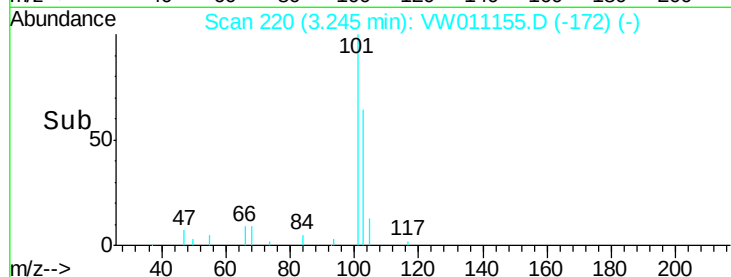
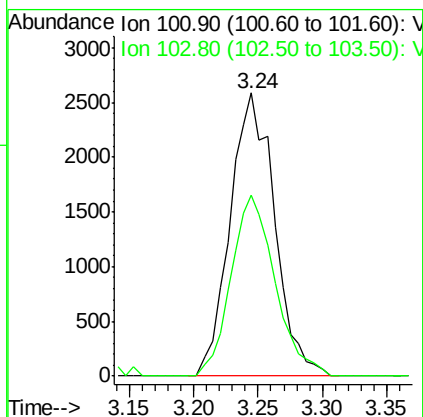
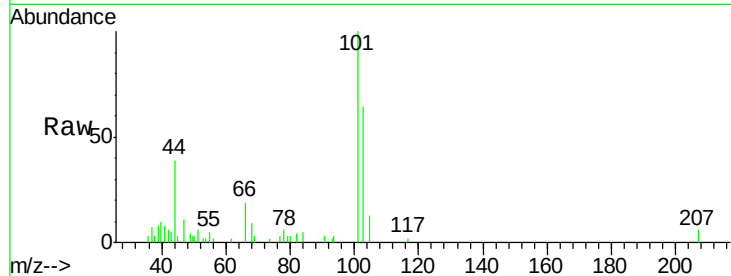
Trichlorofluoromethane
Concen: 5.472 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.3	76.9

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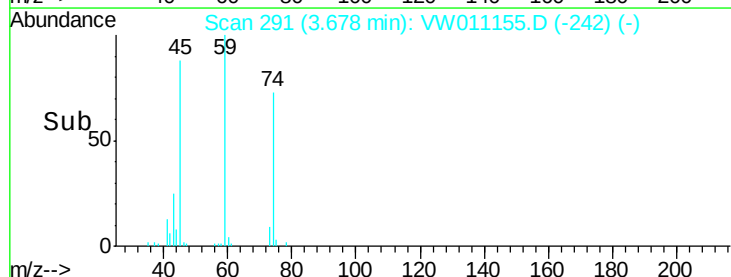
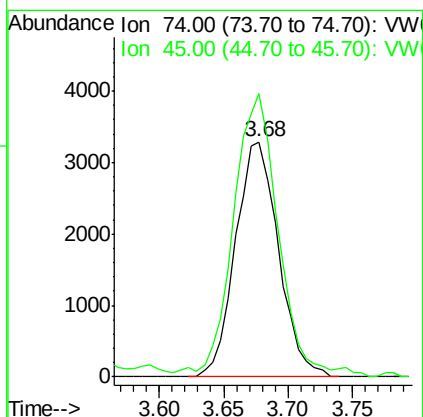
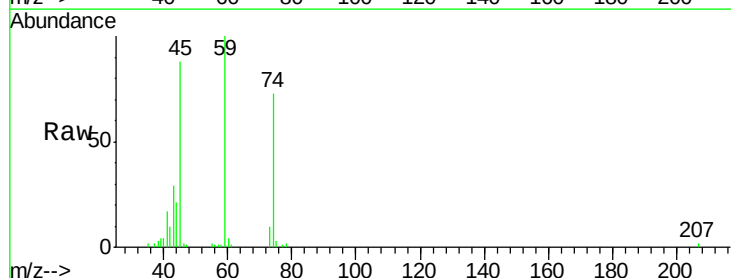
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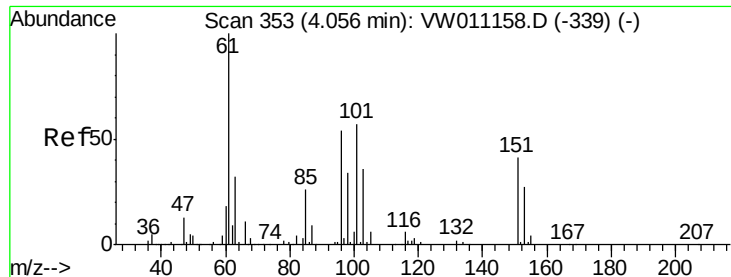


#8

Diethyl Ether
Concen: 4.872 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	127.1	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.265 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

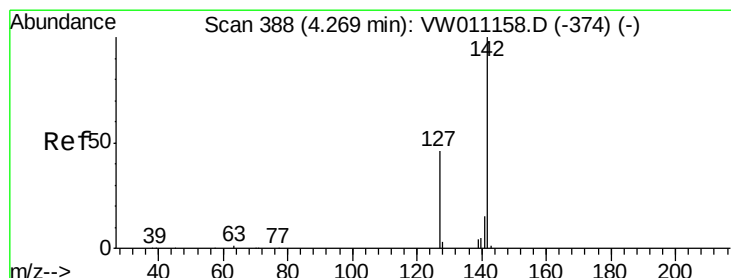
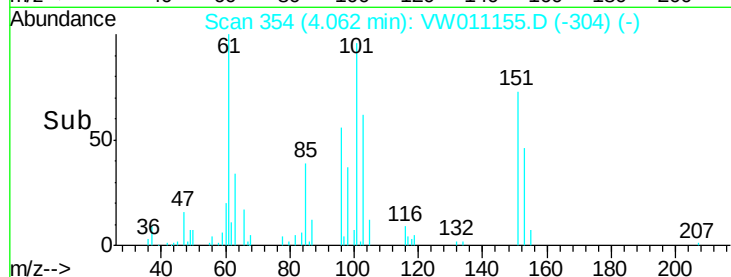
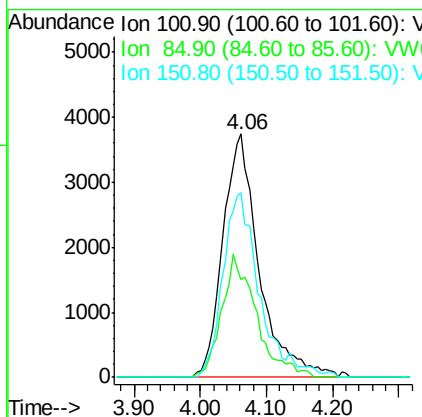
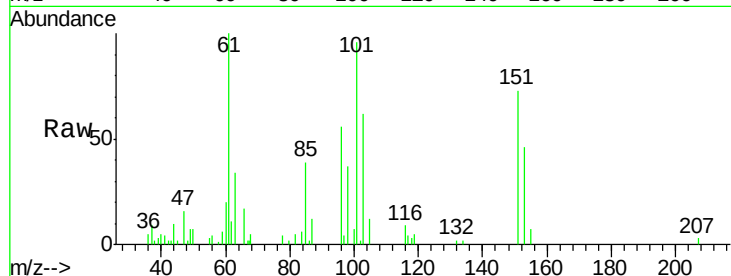
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14237
Ion Ratio	Lower	Upper	
101	100		
85	48.1	36.5	54.7
151	75.8	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 5.048 ug/l

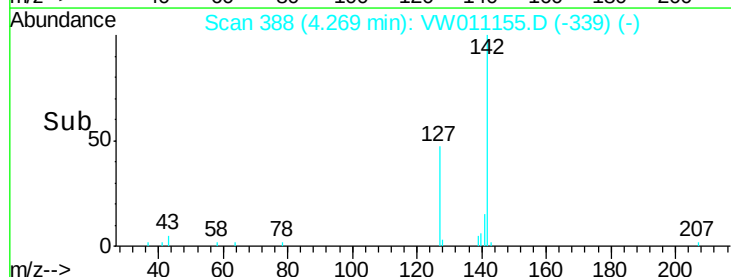
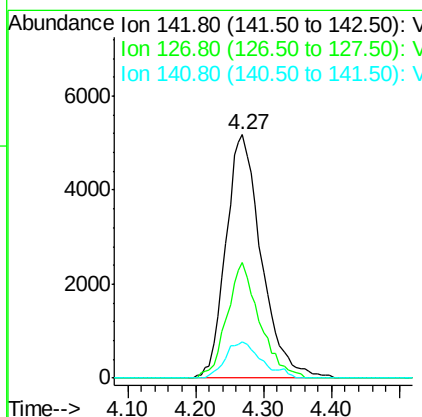
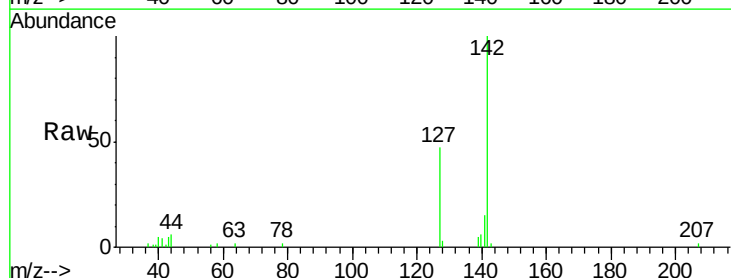
RT: 4.27 min Scan# 388

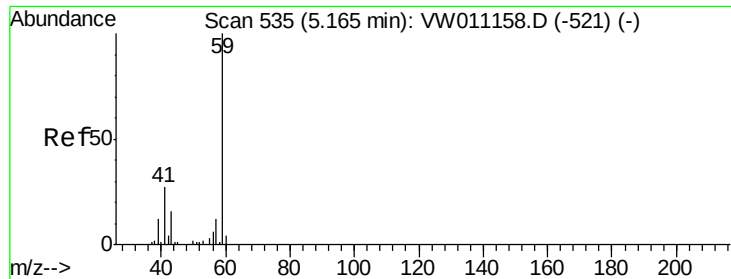
Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Tgt Ion:	142	Resp:	18775
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.7	53.5
141	14.9	11.5	17.3





#11

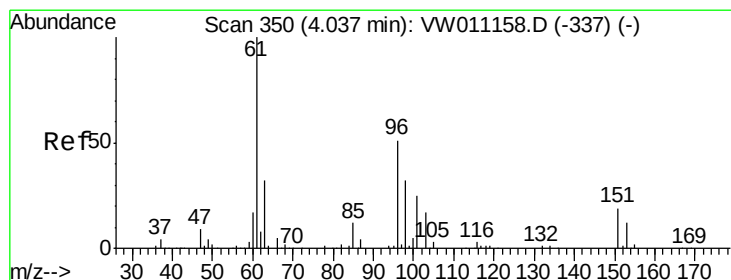
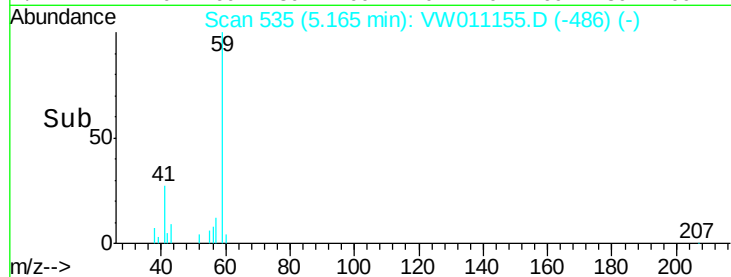
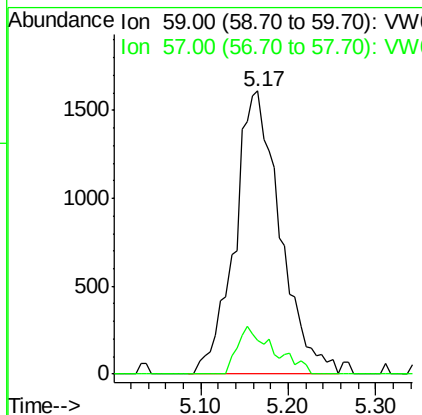
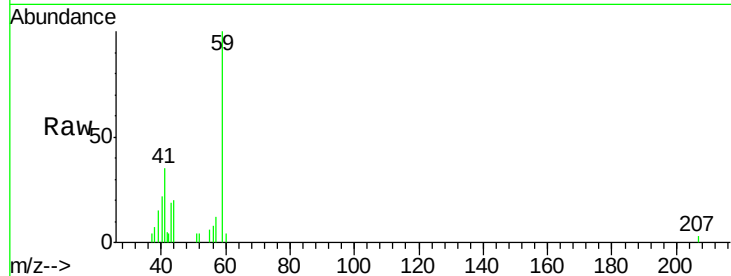
Tert butyl alcohol
Concen: 24.775 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.6

Manual Integrations
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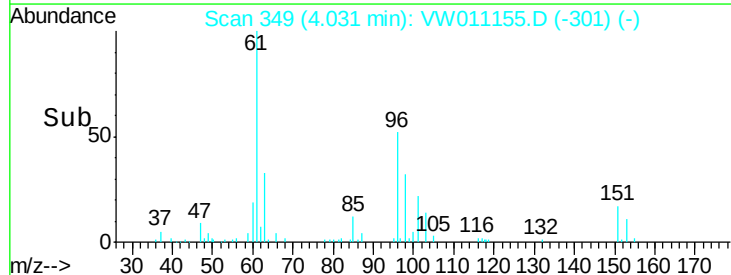
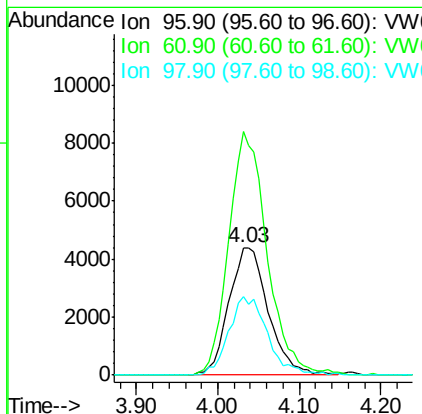
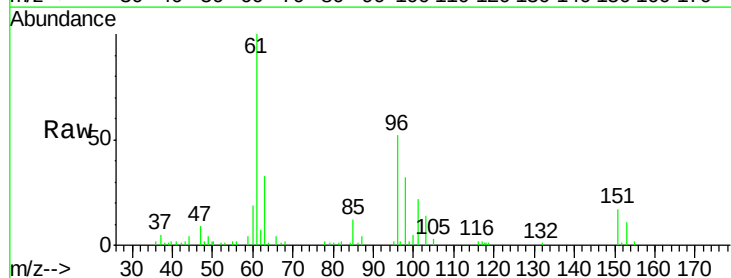
MMDadoda
7/9/2019 4:12:37 PM

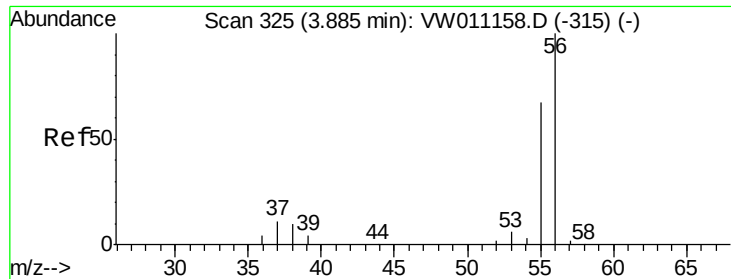


#12

1,1-Dichloroethene
Concen: 5.222 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.0	157.7	236.5
98	62.0	50.9	76.3





#13

Acrolein

Concen: 23.734 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4442

Ion Ratio Lower Upper

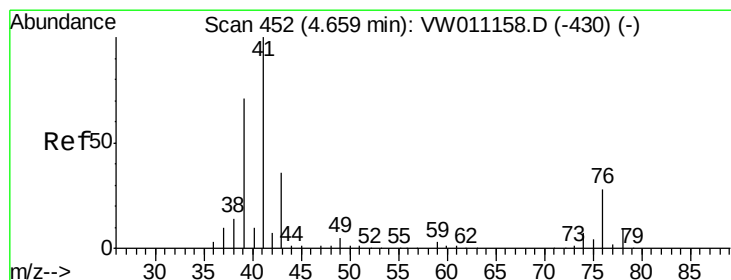
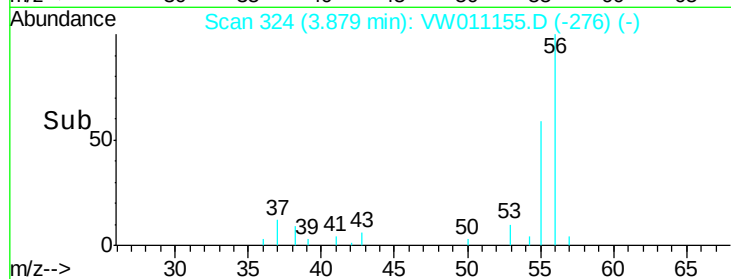
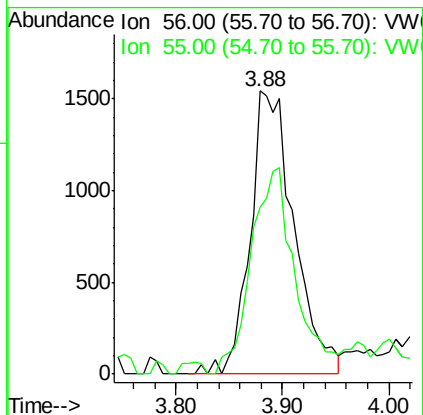
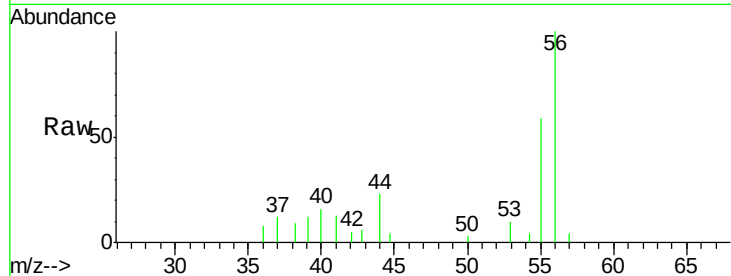
56 100

55 73.1 56.4 84.6

Manual Integrations
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#14

Allyl chloride

Concen: 5.281 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

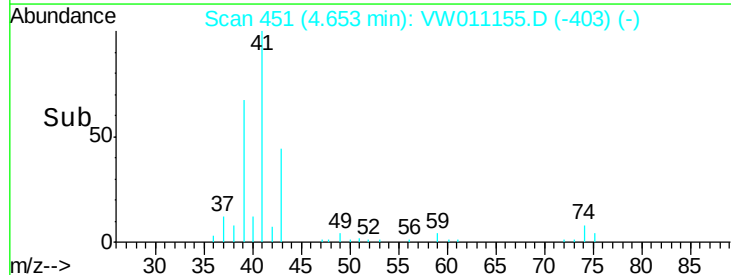
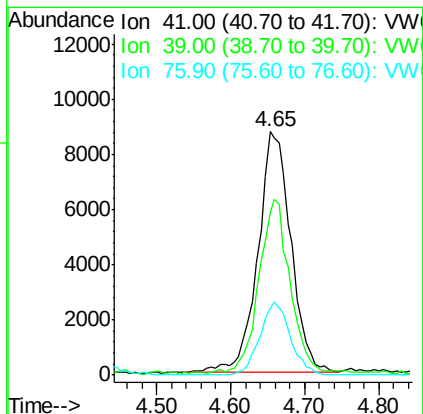
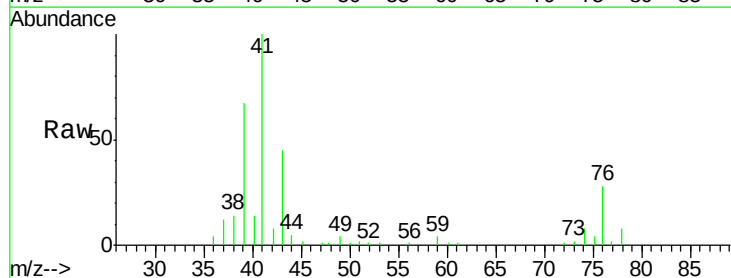
Tgt Ion: 41 Resp: 27030

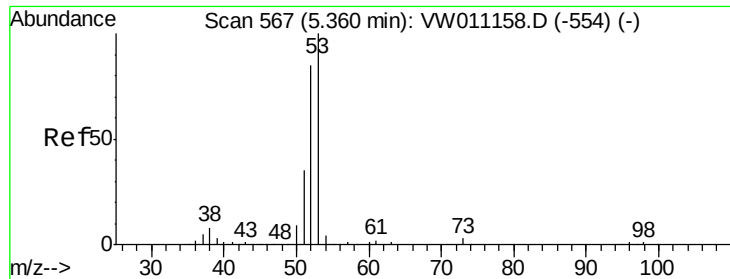
Ion Ratio Lower Upper

41 100

39 69.5 55.1 82.7

76 28.1 22.5 33.7





#15

Acrylonitrile

Concen: 23.899 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

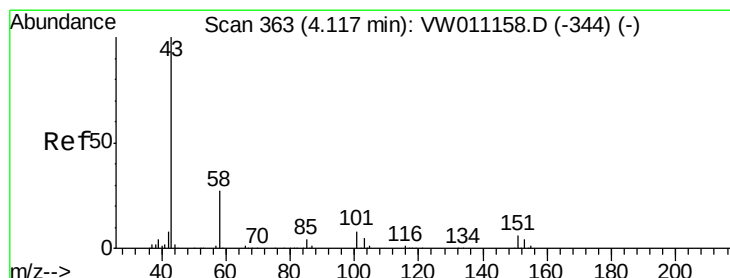
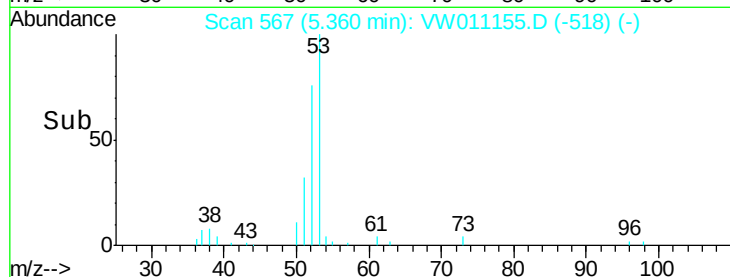
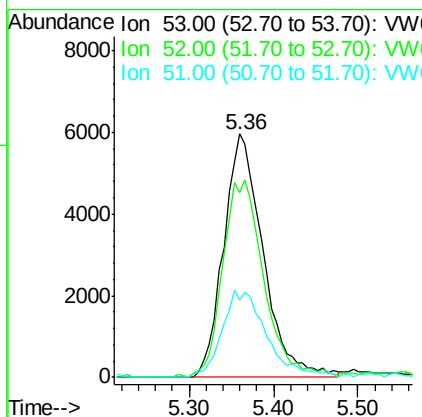
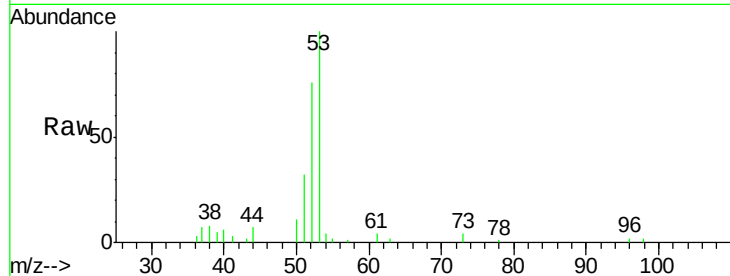
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	19012
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.2	99.4
51	40.0	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 26.523 ug/l

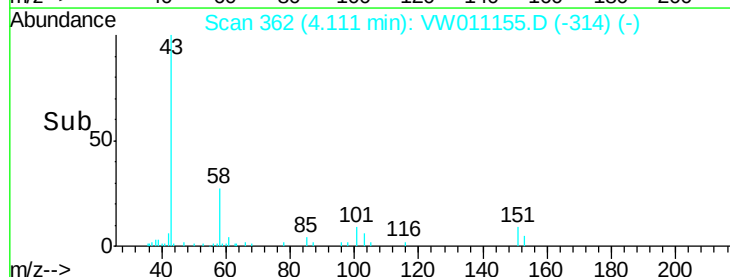
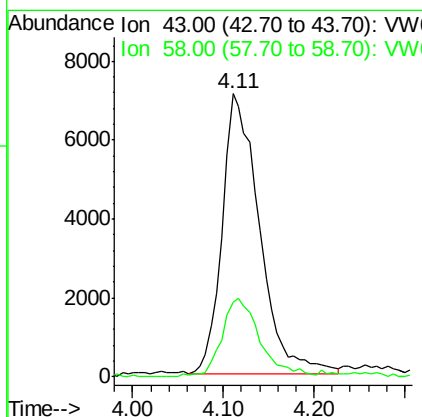
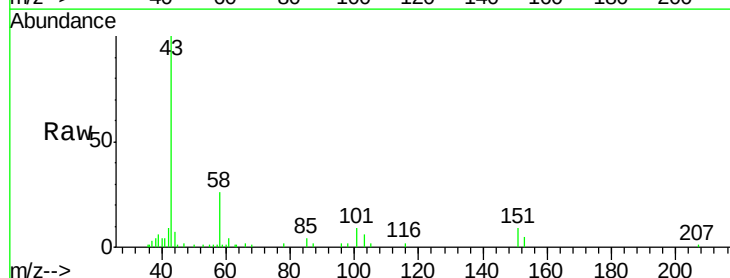
RT: 4.11 min Scan# 362

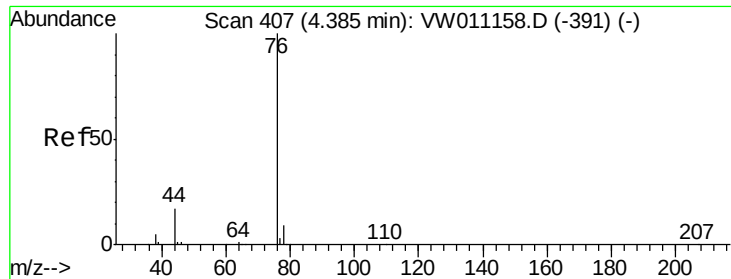
Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Tgt Ion:	43	Resp:	20259
Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.8	32.6





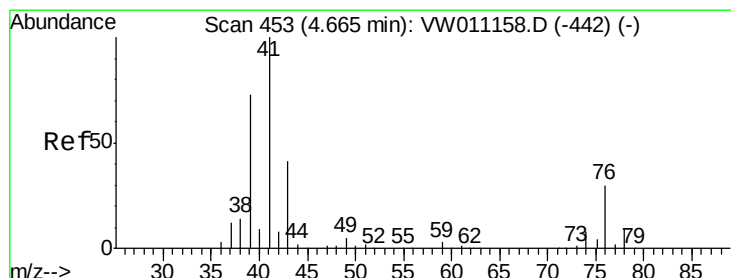
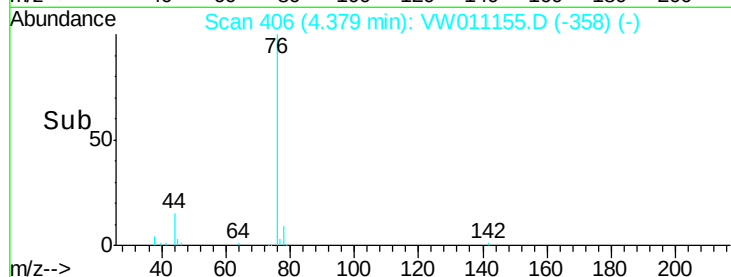
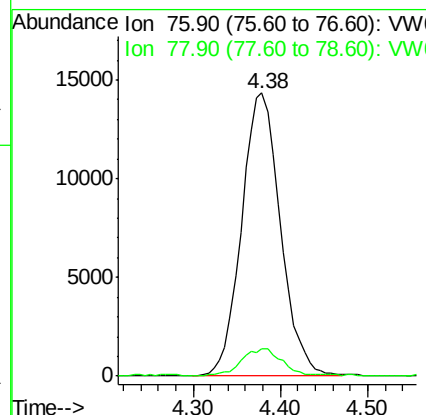
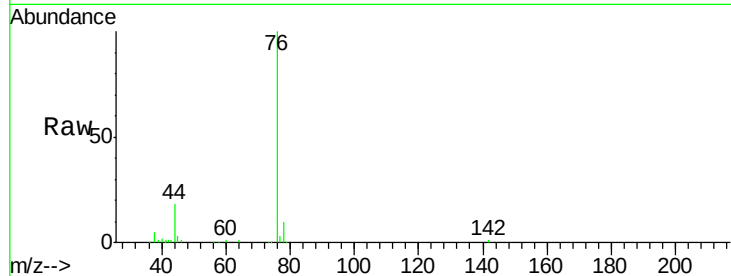
#17
Carbon Disulfide
Concen: 5.206 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7

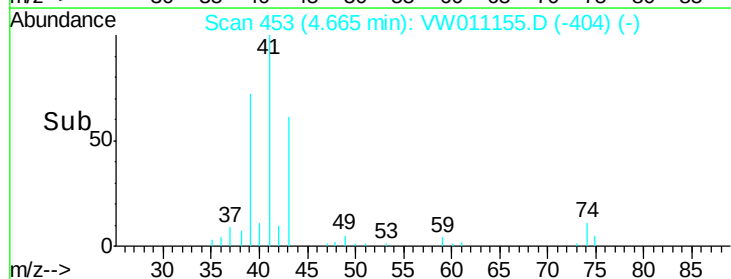
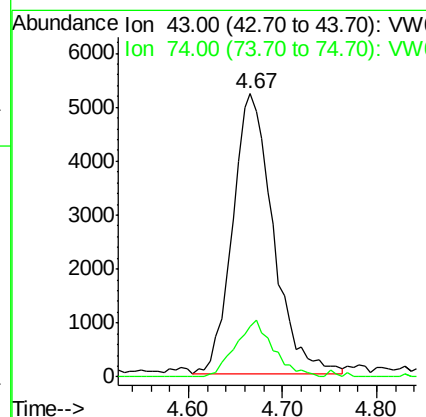
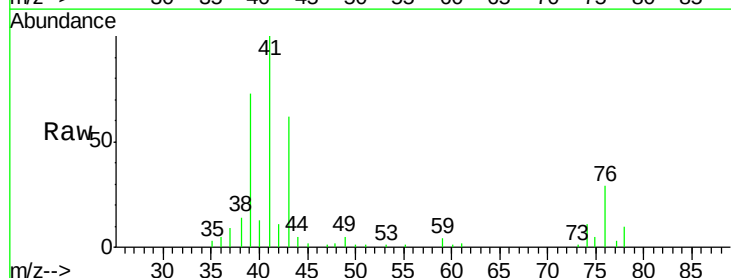
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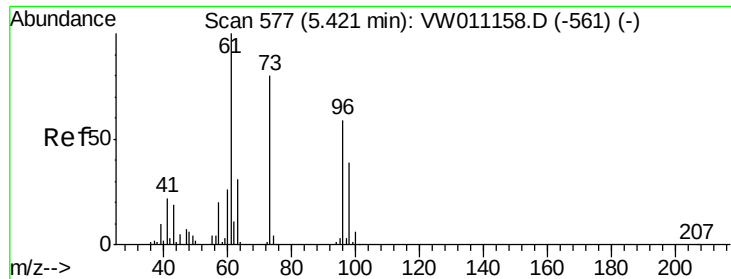
MMDadoda
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#18
Methyl Acetate
Concen: 6.501 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	15.7	23.5





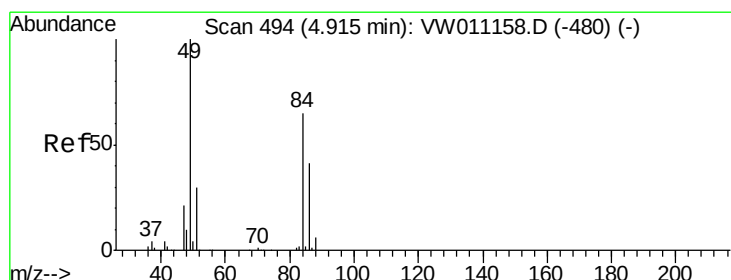
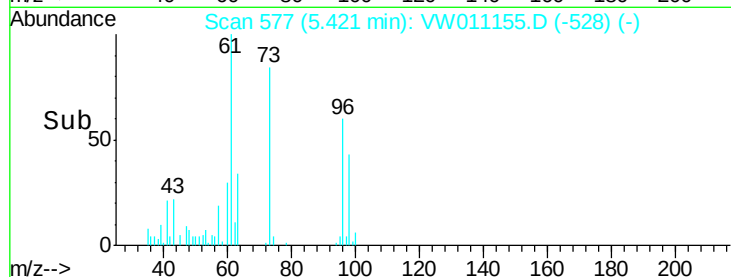
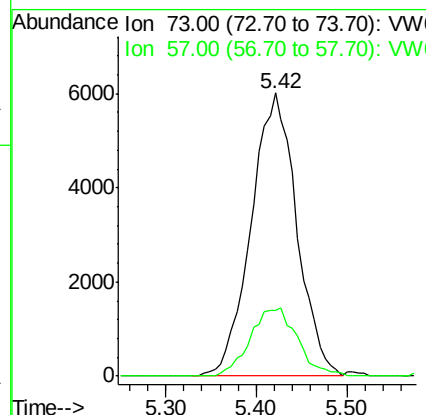
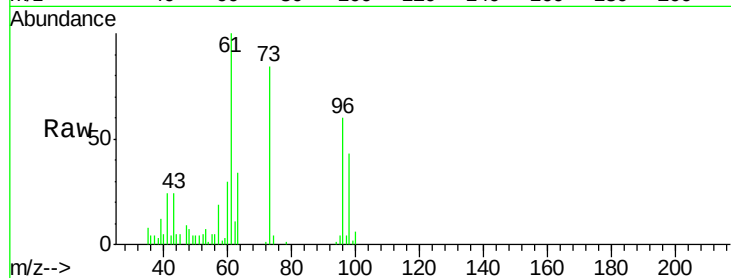
#19
Methyl tert-butyl Ether
Concen: 4.925 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 20973
Ion Ratio Lower Upper
73 100
57 23.2 19.7 29.5

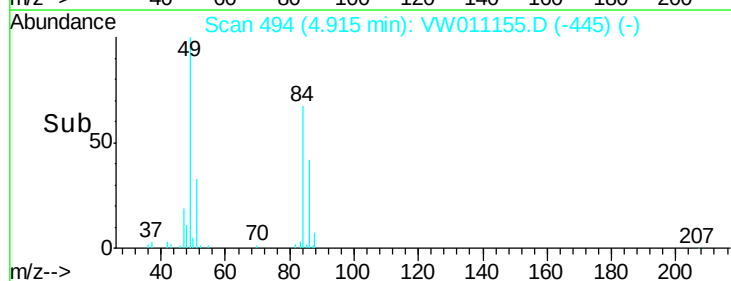
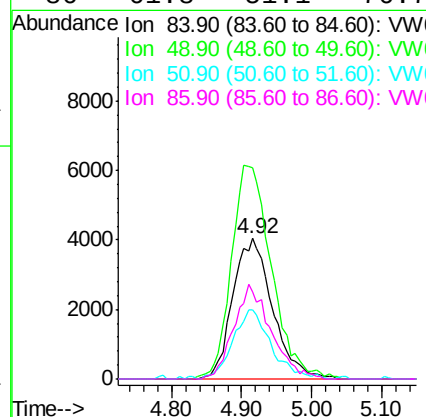
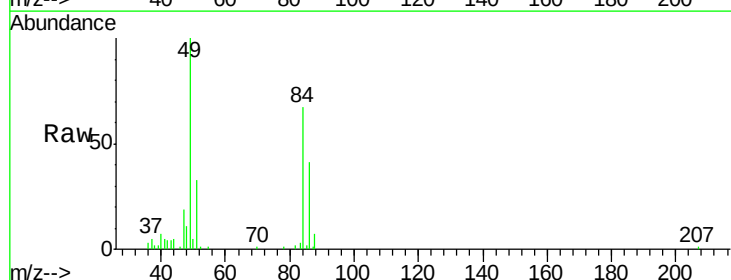
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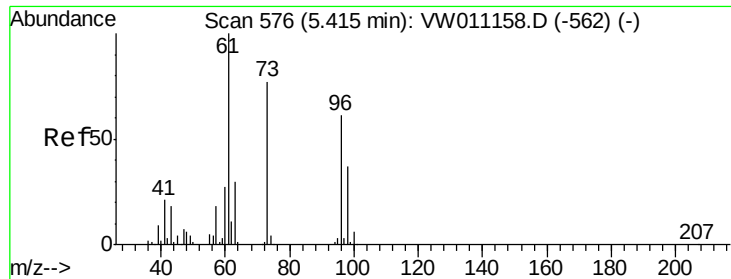
MMDadoda
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#20
Methylene Chloride
Concen: 5.304 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 84 Resp: 15981
Ion Ratio Lower Upper
84 100
49 150.3 123.8 185.6
51 47.5 37.4 56.2
86 61.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 5.108 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 14896

Ion Ratio Lower Upper

96 100

61 154.9 132.2 198.2

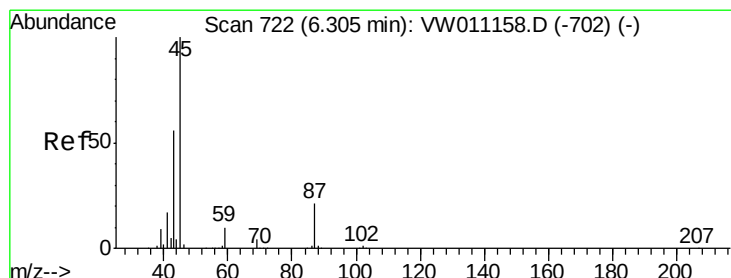
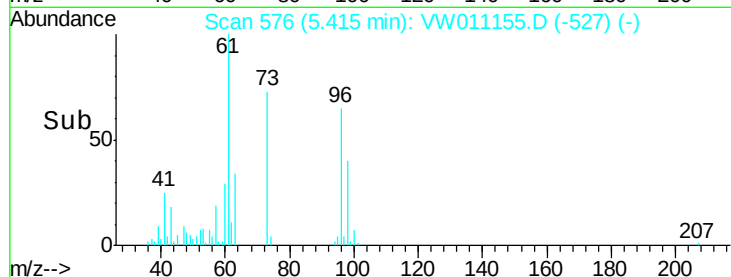
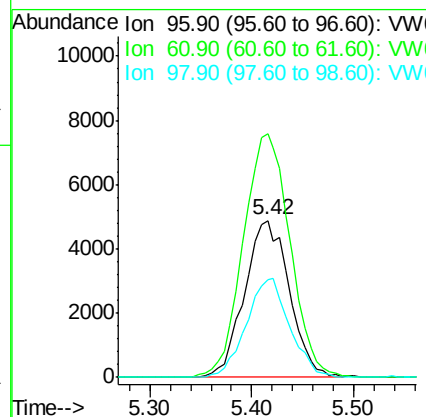
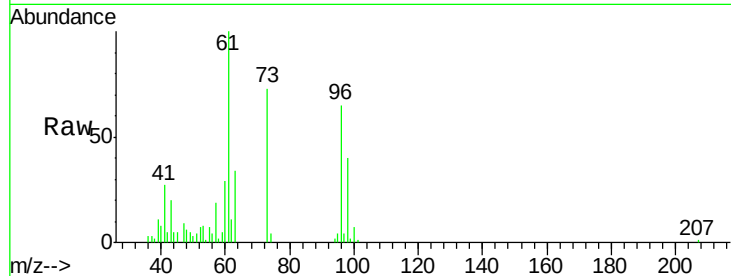
98 61.9 49.4 74.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 4.882 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Tgt Ion: 45 Resp: 53745

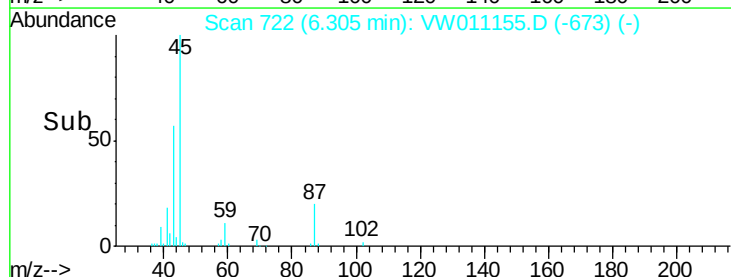
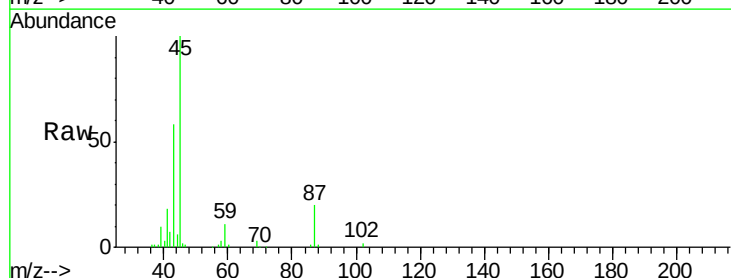
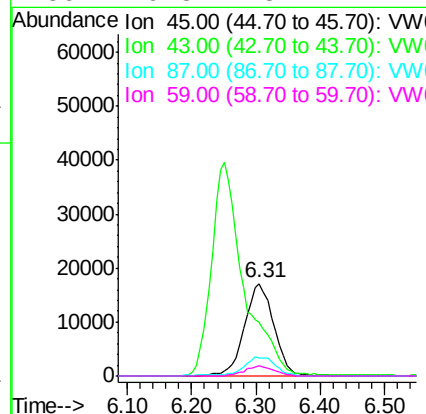
Ion Ratio Lower Upper

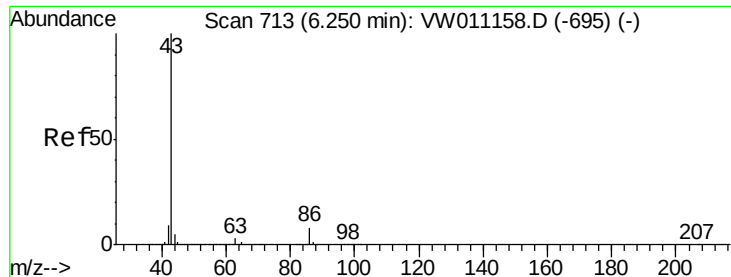
45 100

43 56.7 44.6 66.8

87 19.9 17.3 25.9

59 10.8 8.2 12.2





#23

Vinyl Acetate

Concen: 20.241 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 137891

Ion Ratio Lower Upper

43 100

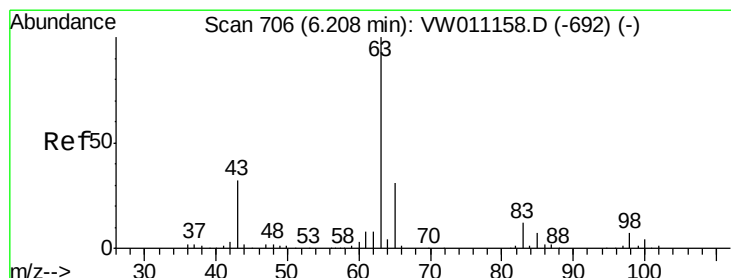
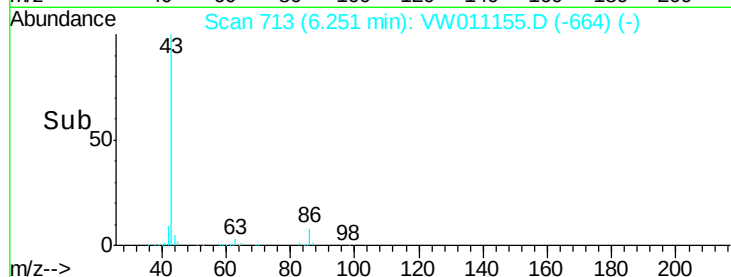
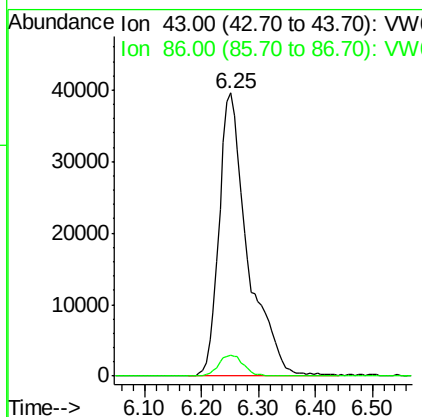
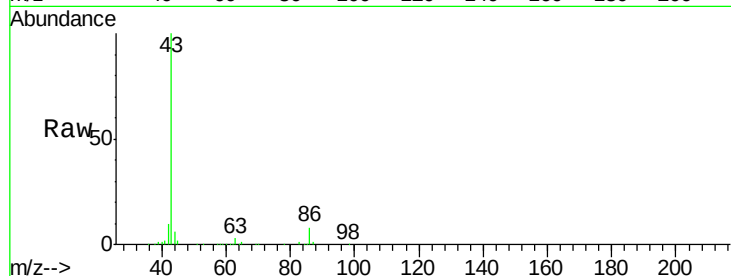
86 7.6 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.042 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

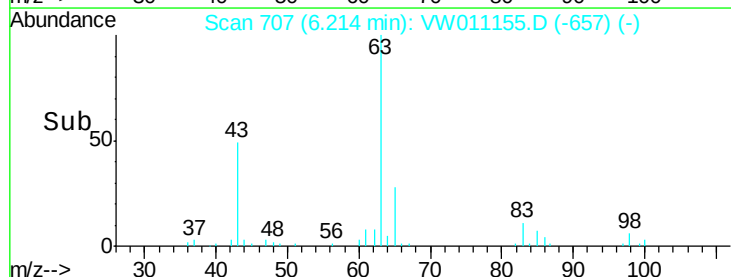
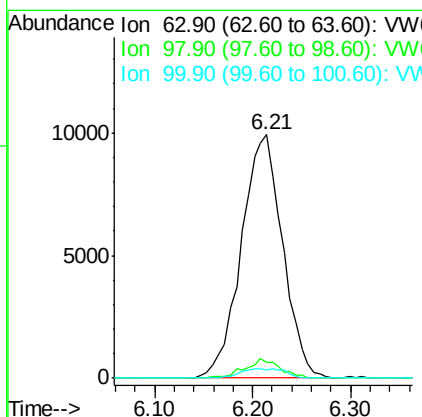
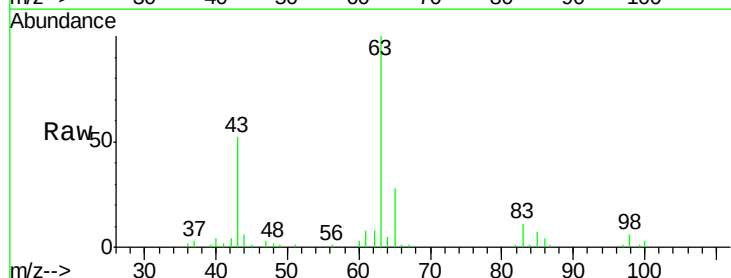
Tgt Ion: 63 Resp: 29145

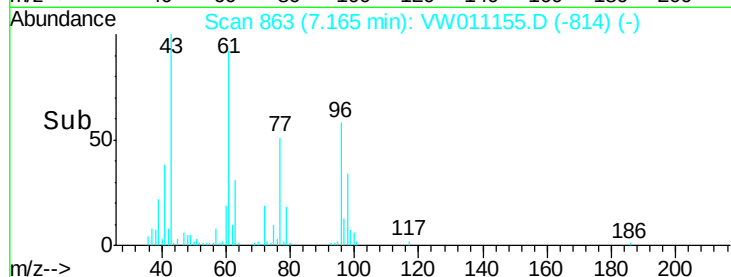
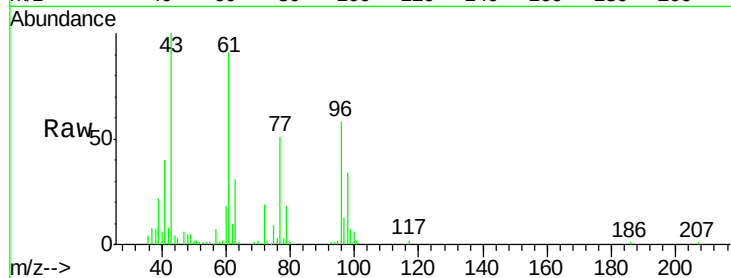
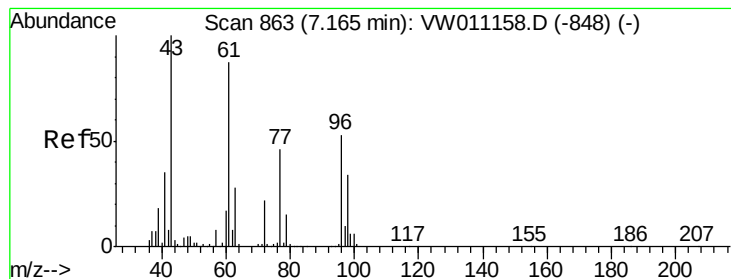
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.4 2.1 6.2





#25

2-Butanone

Concen: 23.263 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Tot Ion: 43 Resp: 27893

Ion Ratio Lower Upper

43 100

72 19.0 17.6 26.4

Instrument :

MSVOA_W

ClientSampleId :

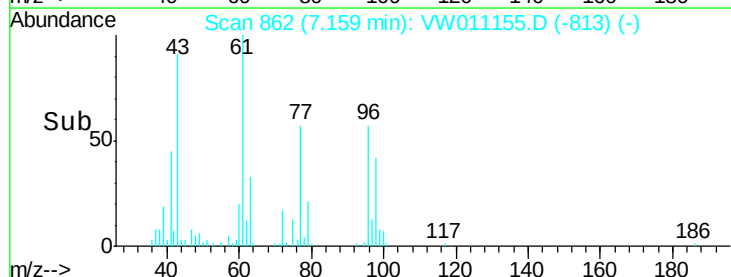
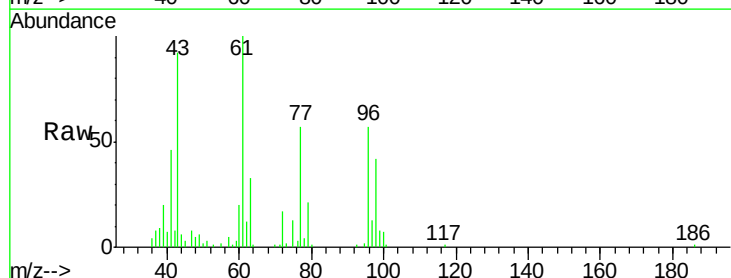
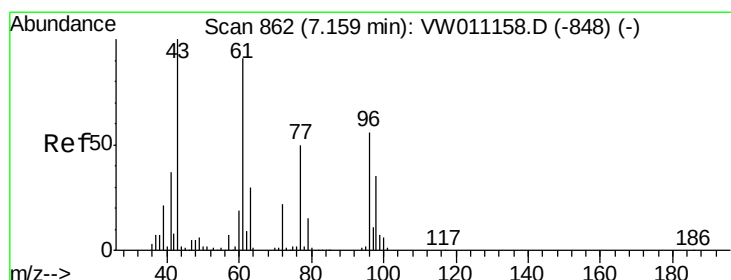
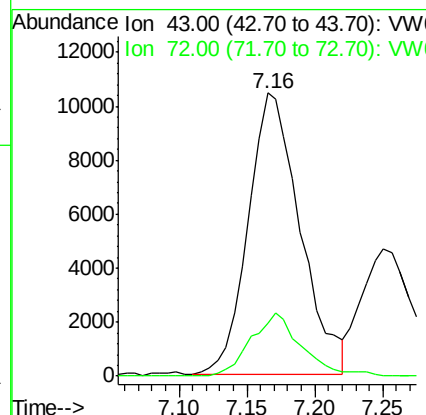
VSTDIC005

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.434 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011155.D

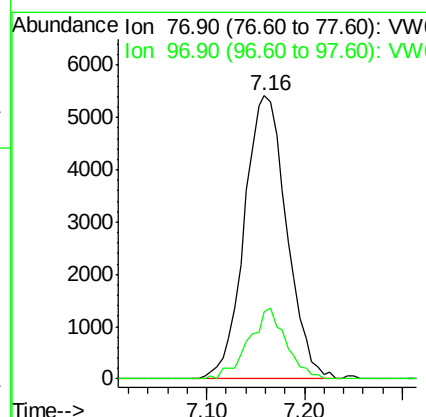
Acq: 08 Jul 2019 10:13

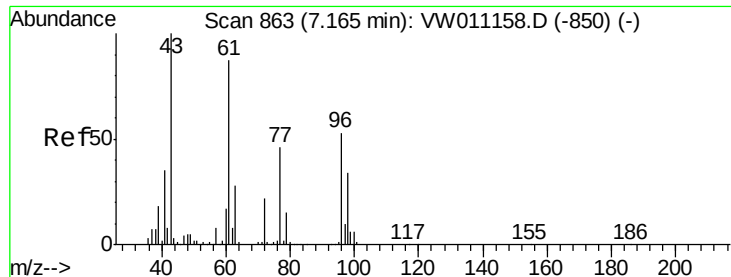
Tgt Ion: 77 Resp: 16327

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.5





#27

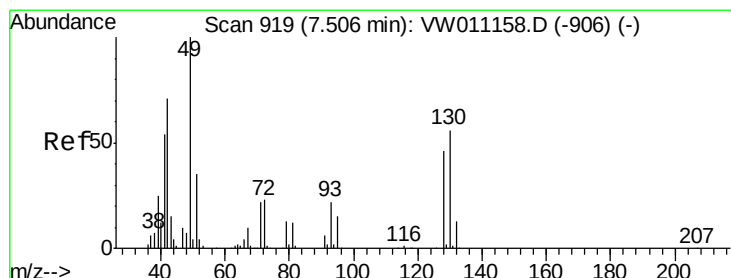
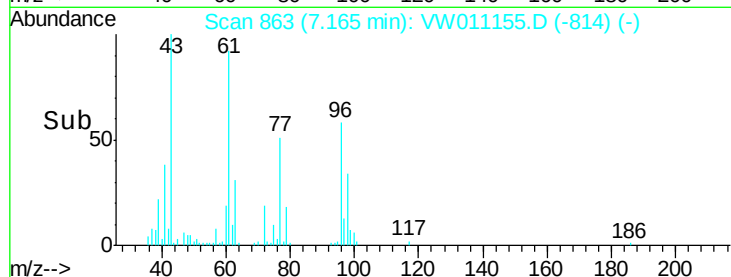
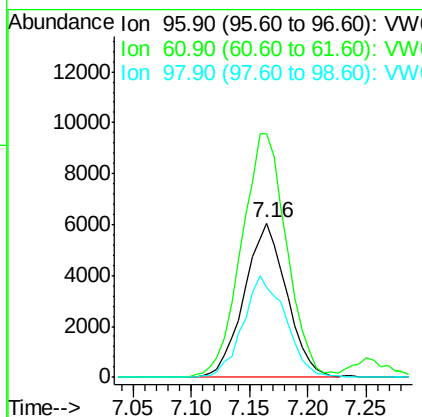
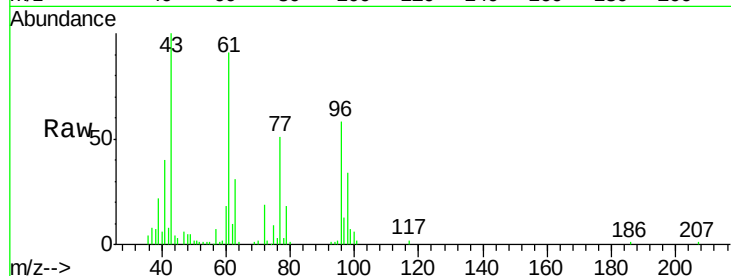
cis-1,2-Dichloroethene
Concen: 4.888 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.4	0.0	325.6
98	66.3	0.0	128.2

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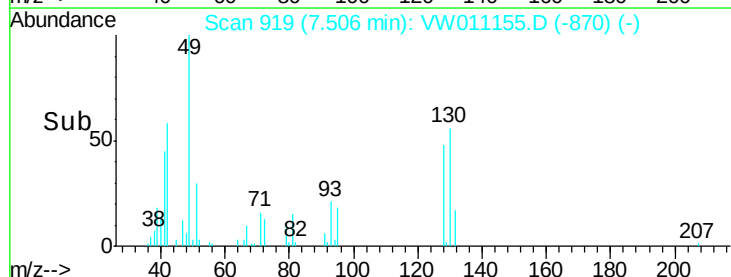
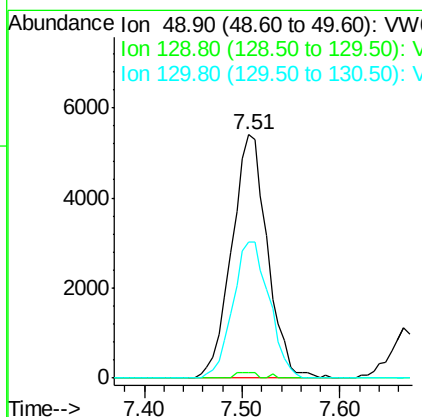
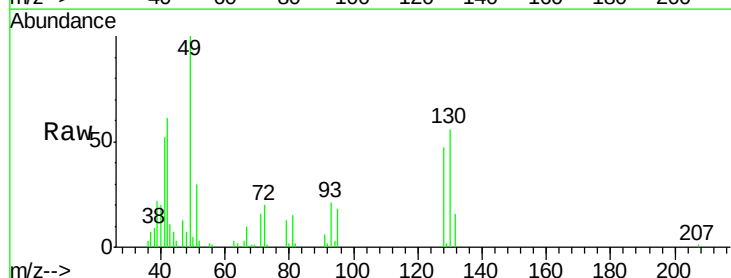
MMDadoda
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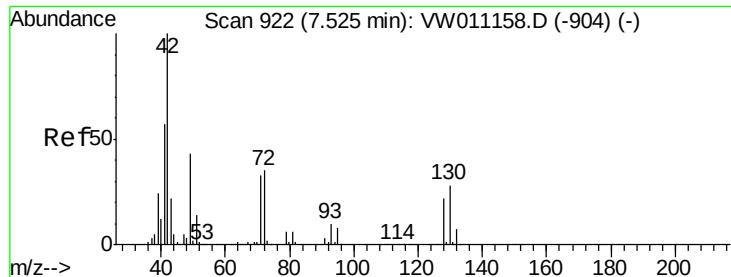


#28

Bromochloromethane
Concen: 5.190 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4
130	57.0	45.8	68.8





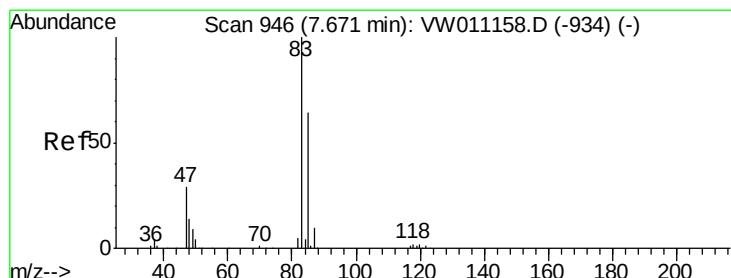
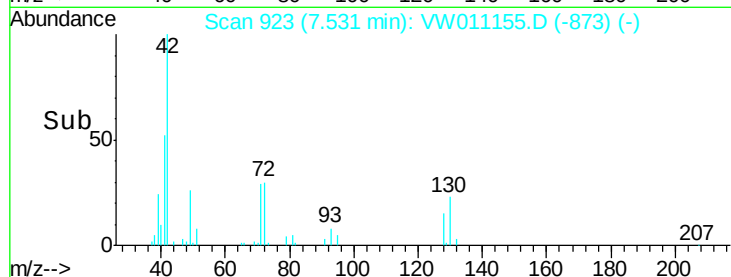
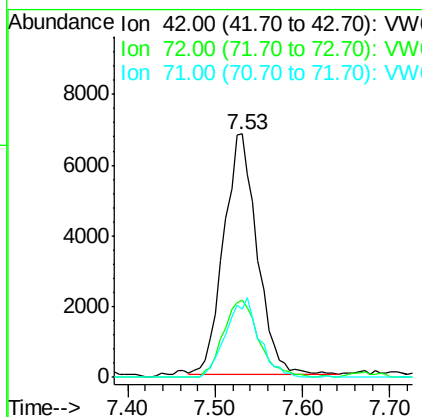
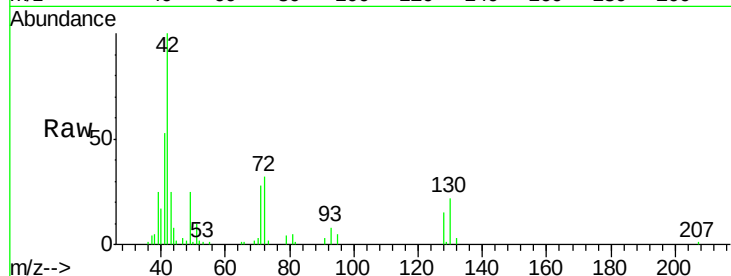
#29
Tetrahydrofuran
Concen: 22.860 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.4	41.2
71	32.6	25.9	38.9

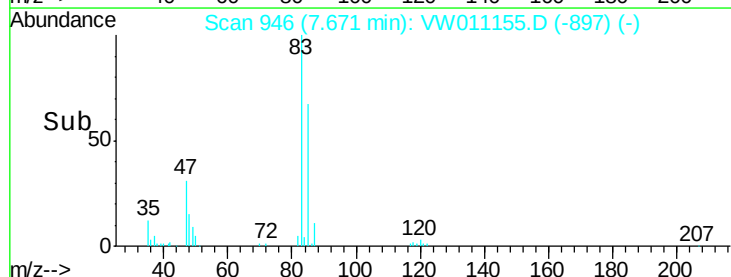
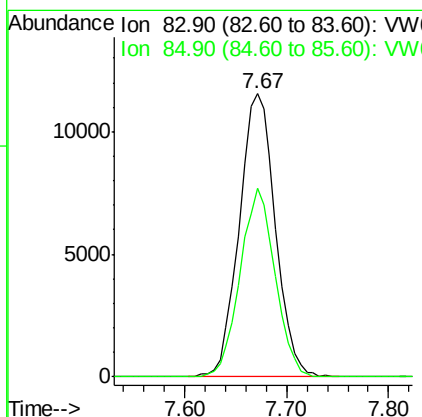
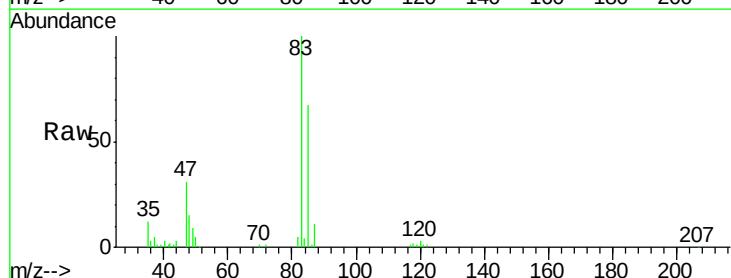
Manual Integrations
APPROVED

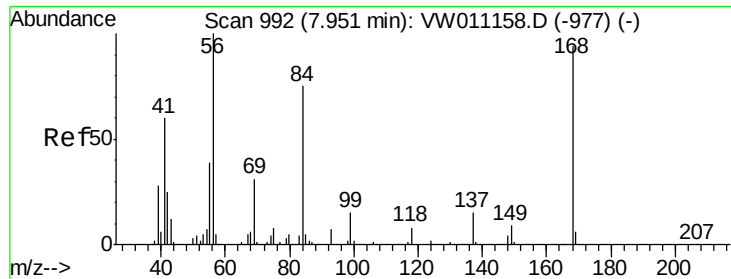
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#30
Chloroform
Concen: 5.300 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2





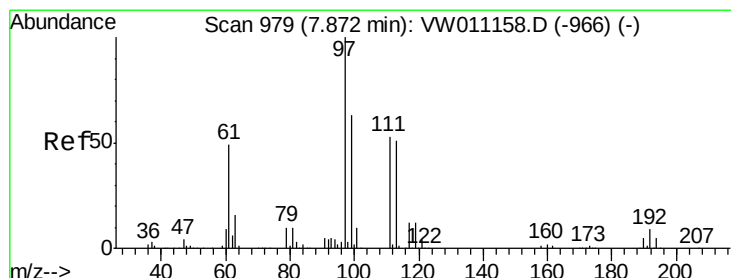
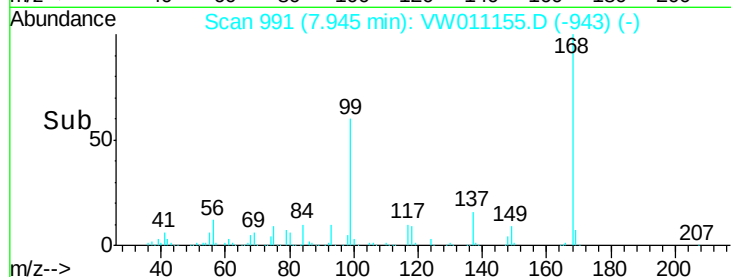
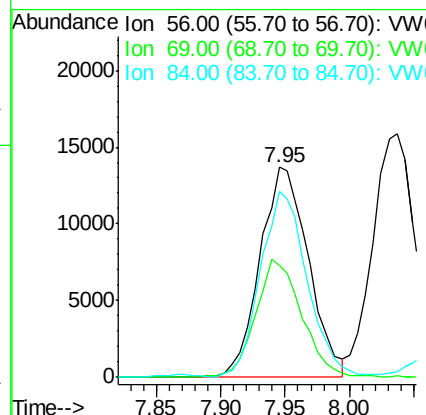
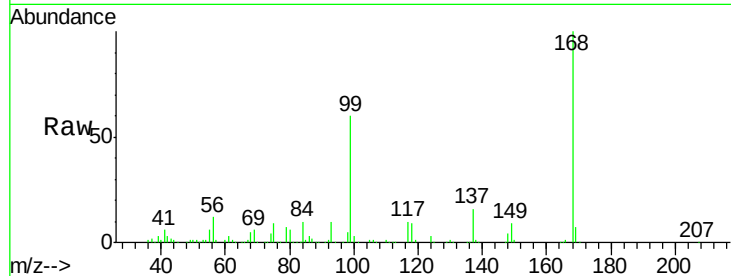
#31
Cyclohexane
Concen: 5.810 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	53.0	24.6	36.8#
84	88.2	60.1	90.1

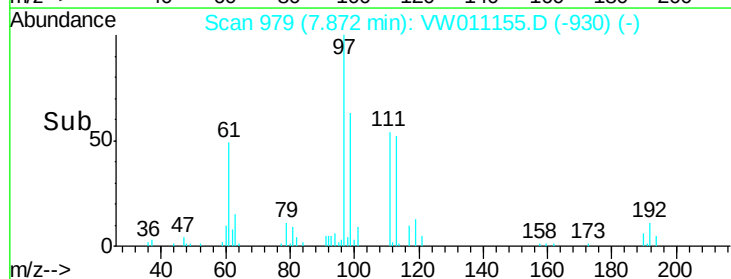
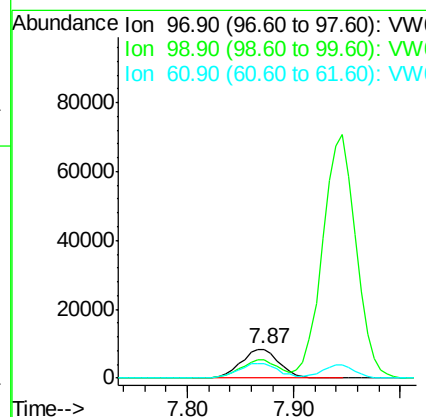
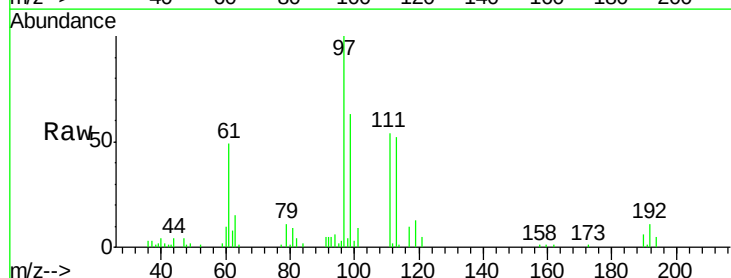
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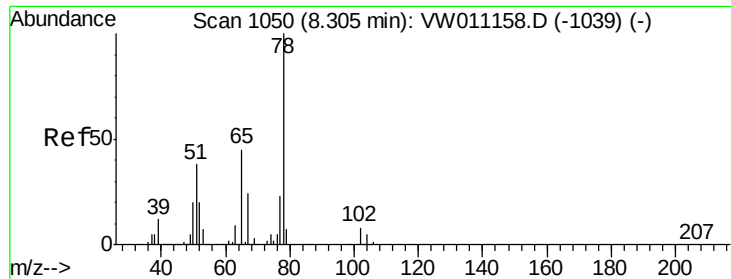
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#32
1,1,1-Trichloroethane
Concen: 5.255 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.0	76.4
61	52.7	40.4	60.6





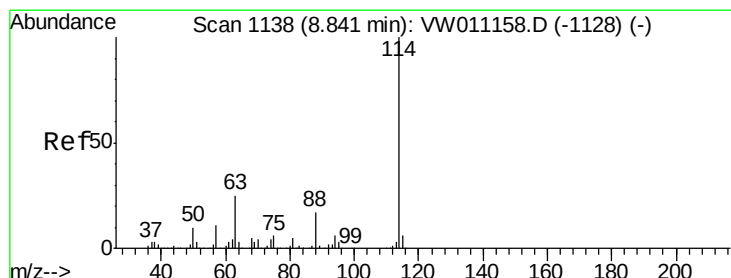
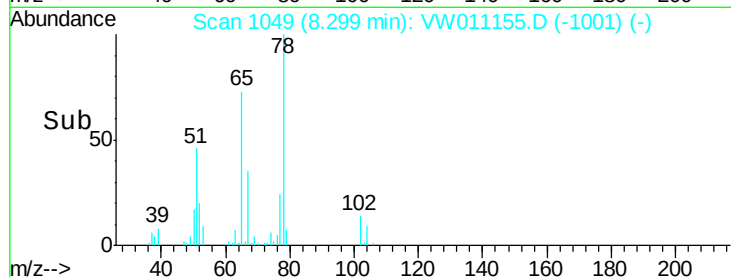
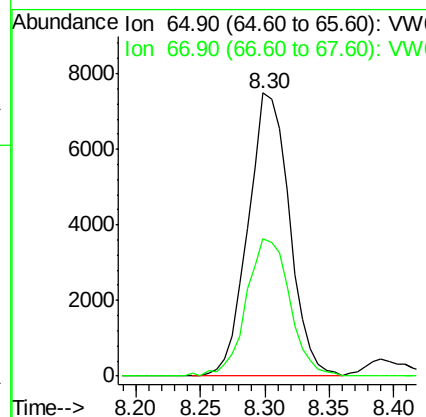
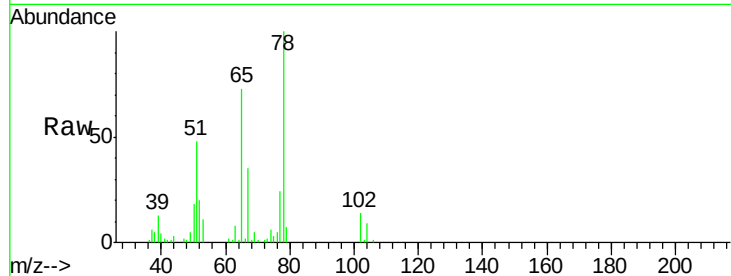
#33
 1,2-Dichloroethane-d4
 Concen: 5.234 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.4

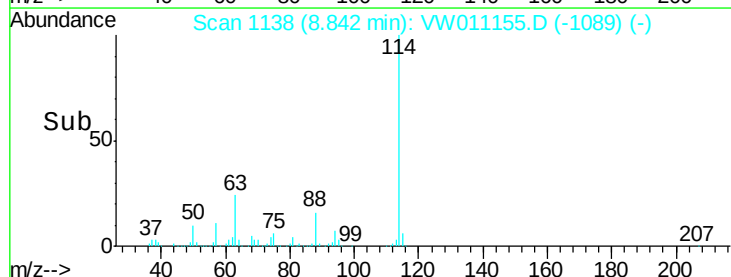
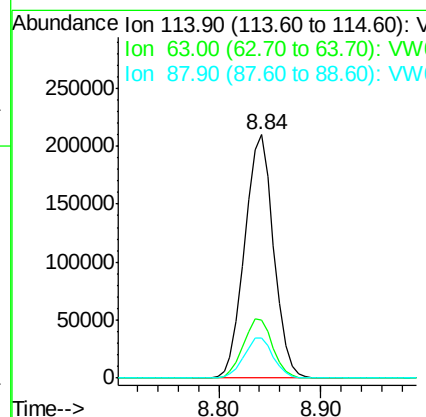
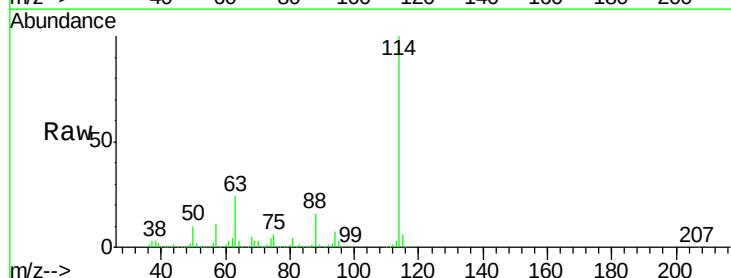
Manual Integrations
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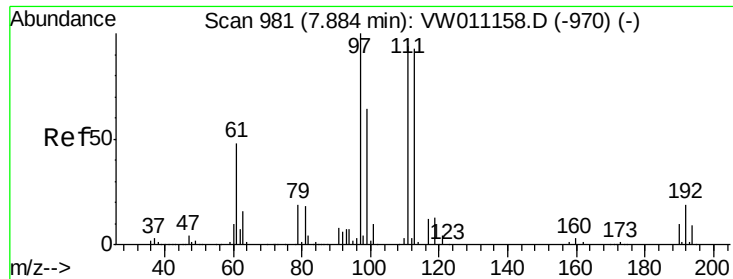
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 7/9/2019 4:12:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	50.8
88	16.5	0.0	34.2





#35

Dibromofluoromethane

Concen: 5.263 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

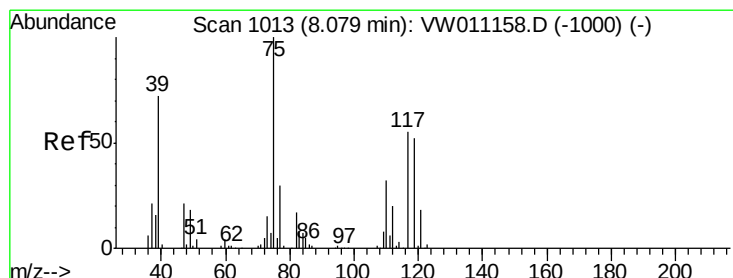
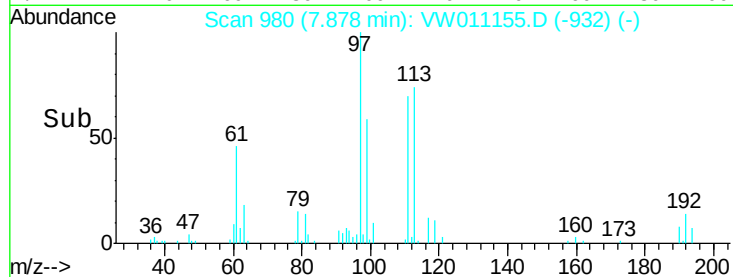
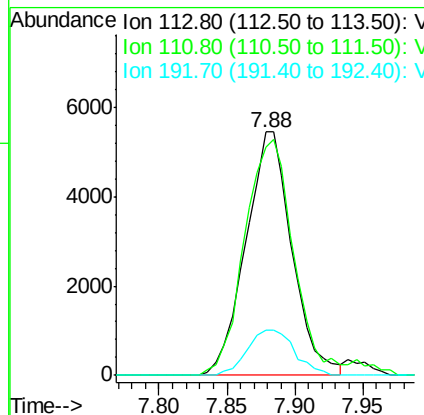
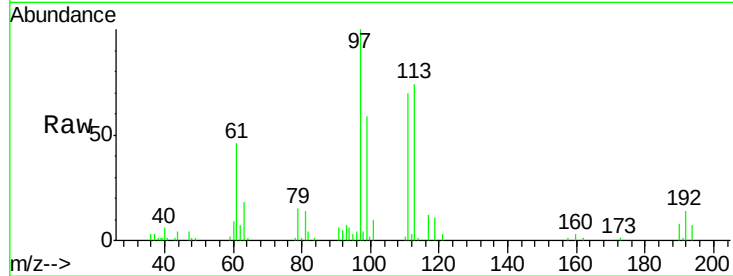
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	12952
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	19.1	15.8	23.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.195 ug/l

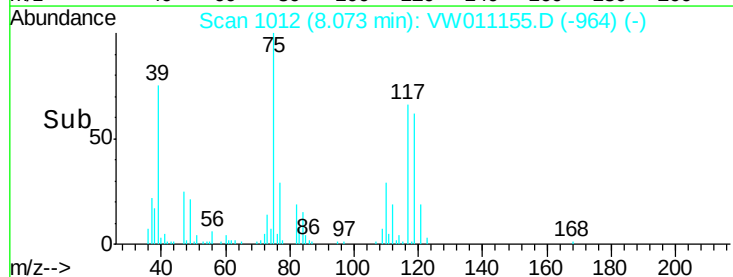
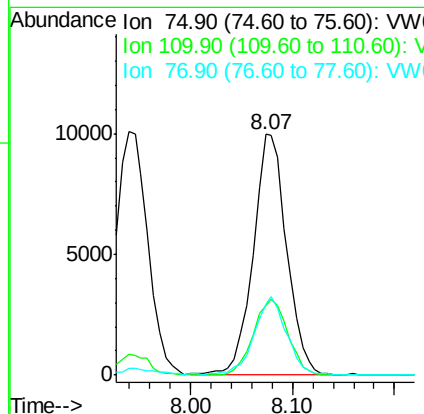
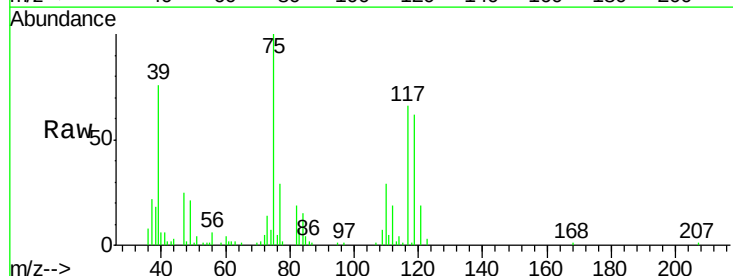
RT: 8.07 min Scan# 1012

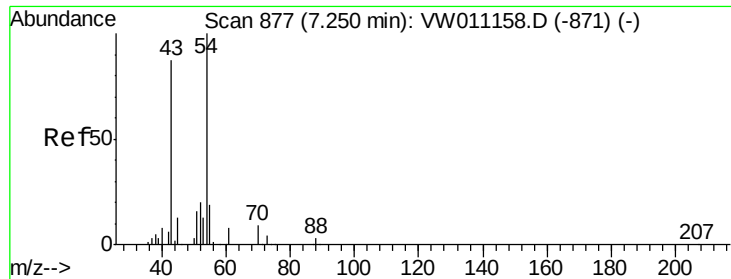
Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Tgt Ion:	75	Resp:	22840
Ion	Ratio	Lower	Upper
75	100		
110	32.0	15.9	47.6
77	31.5	24.6	36.8





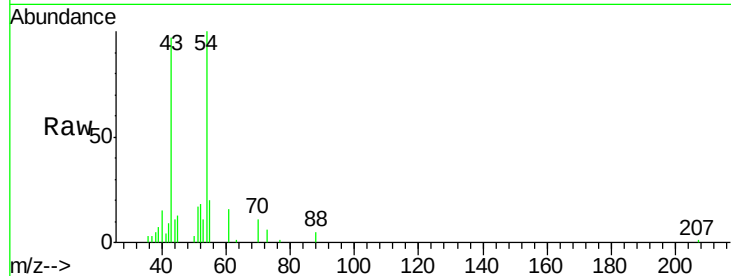
#37
Ethyl Acetate
Concen: 4.877 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

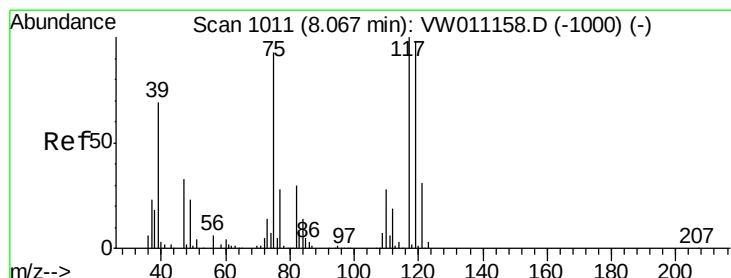
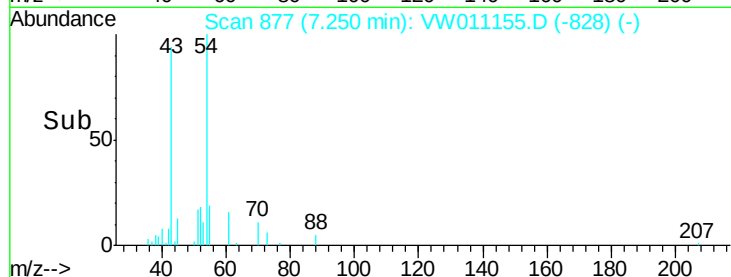
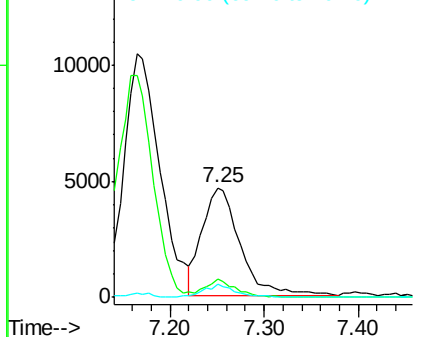
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.5	14.3
70	9.8	7.1	10.7

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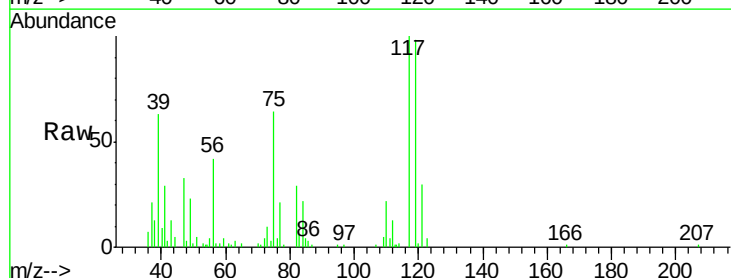


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

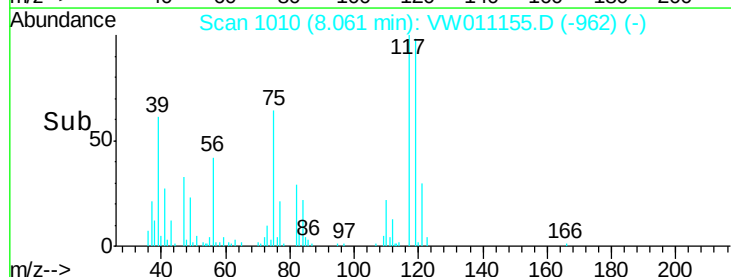
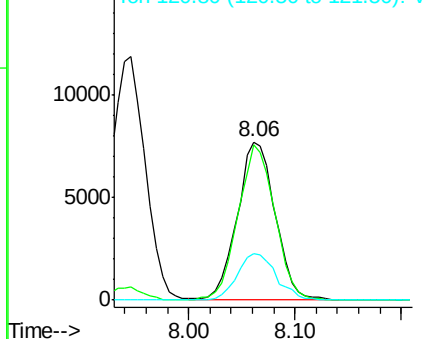


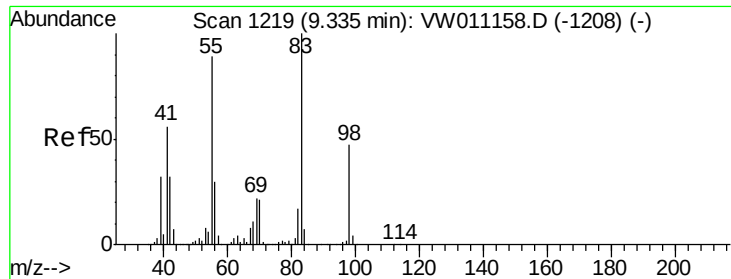
#38
Carbon Tetrachloride
Concen: 5.173 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	78.1	117.1
121	29.5	25.1	37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





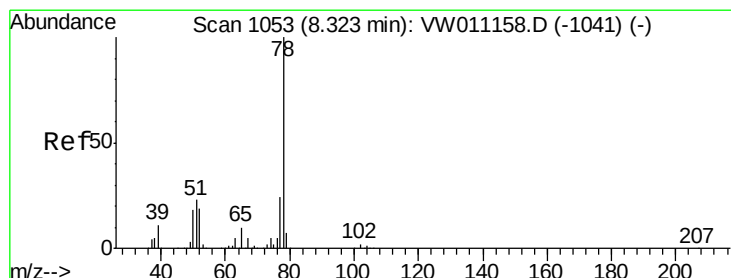
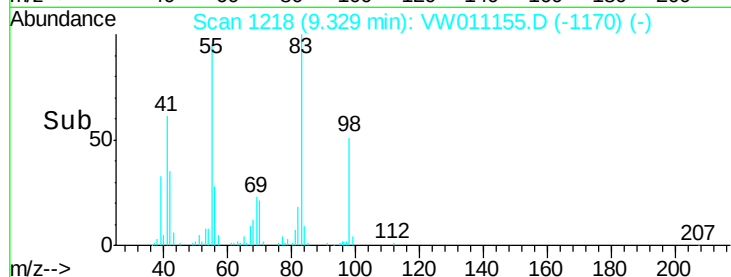
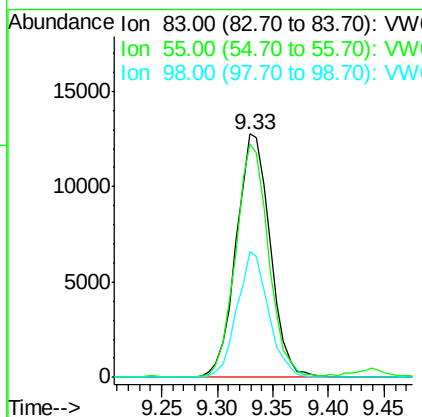
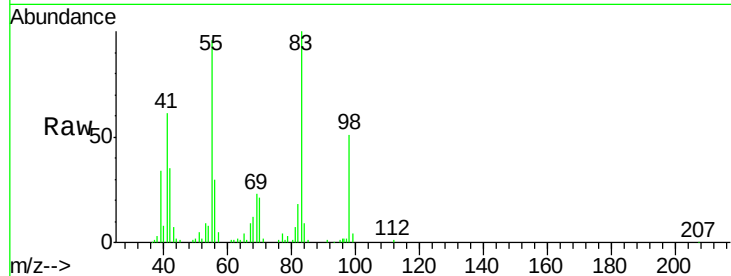
#39
Methylvlcyclohexane
Concen: 5.053 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	26931
Ion Ratio	Lower	Upper	
83	100		
55	95.7	71.2	106.8
98	51.4	37.5	56.3

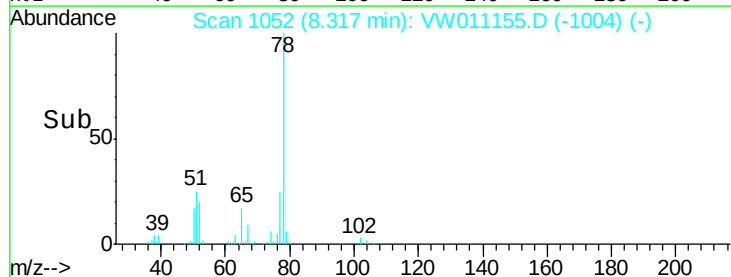
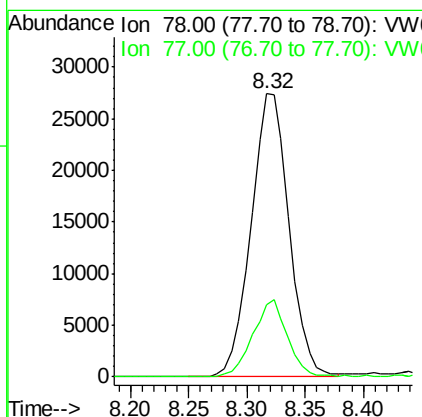
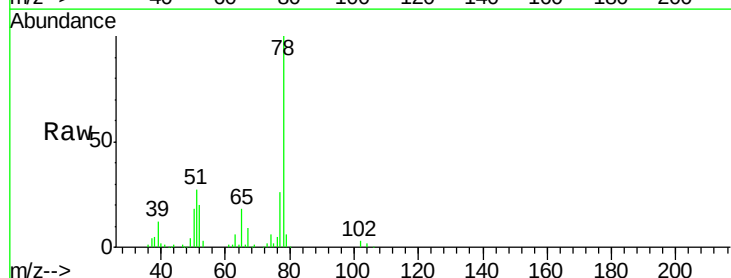
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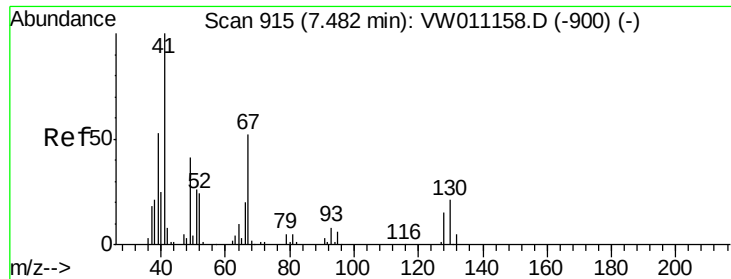
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#40
Benzene
Concen: 5.125 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	78	Resp	62276
Ion Ratio	Lower	Upper	
78	100		
77	25.6	19.0	28.6





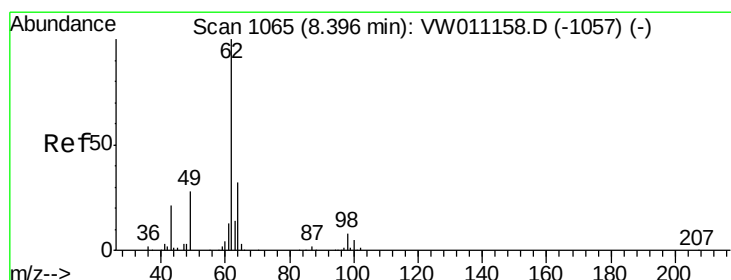
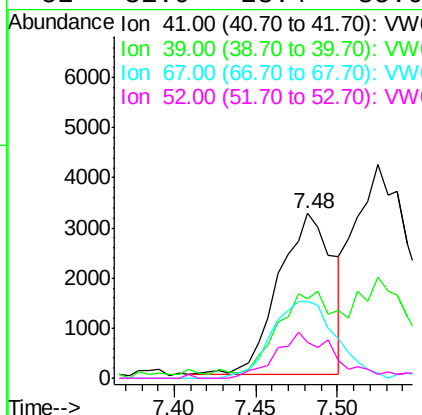
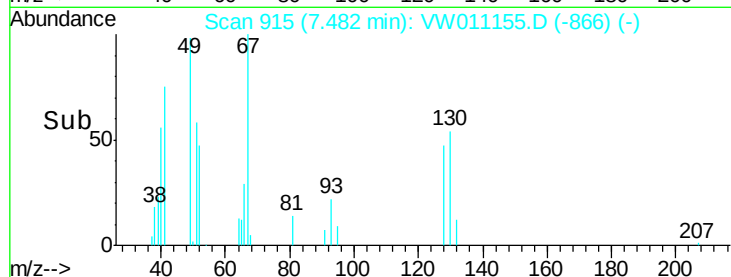
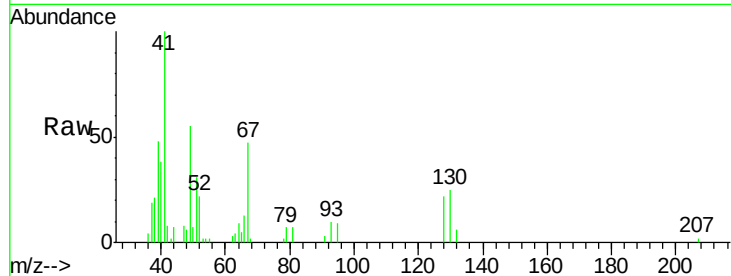
#41
Methacrylonitrile
Concen: 4.906 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	7413
Ion	Ratio	Lower	Upper
41	100		
39	56.2	48.0	72.0
67	56.8	49.7	74.5
52	31.9	23.4	35.0

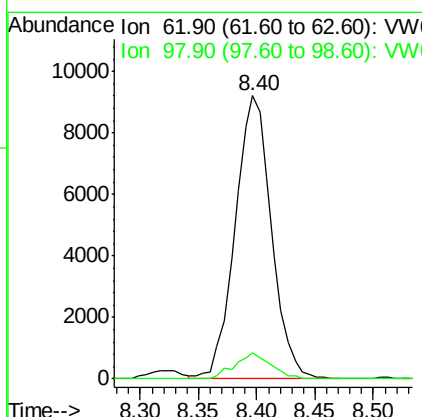
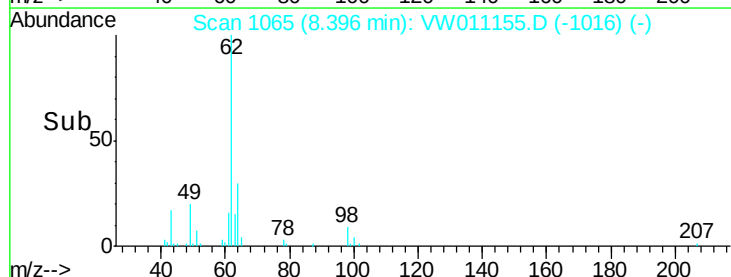
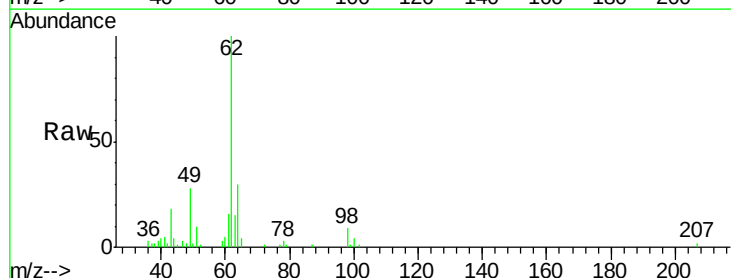
Manual Integrations
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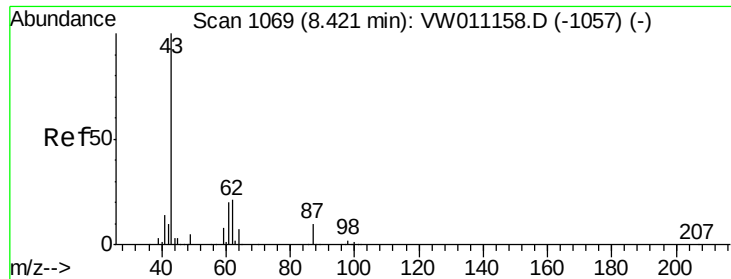
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#42
1,2-Dichloroethane
Concen: 5.072 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion:	62	Resp:	19992
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.8





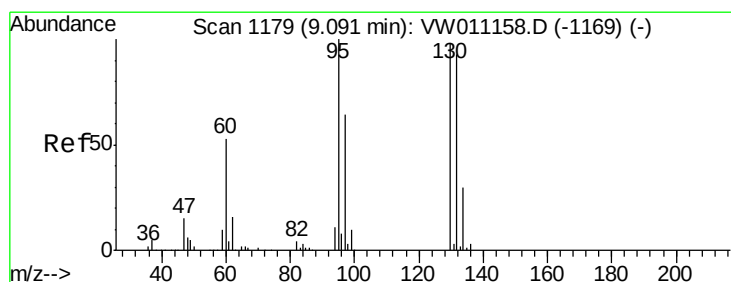
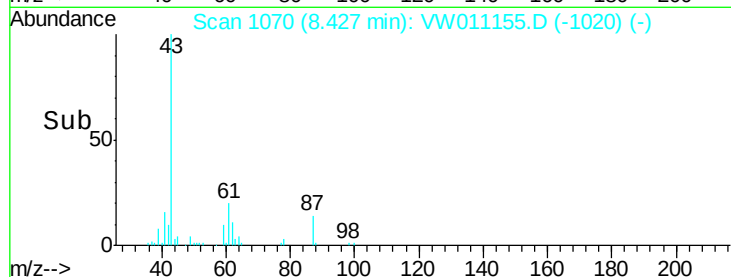
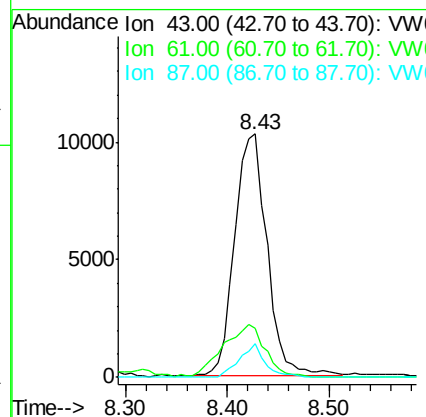
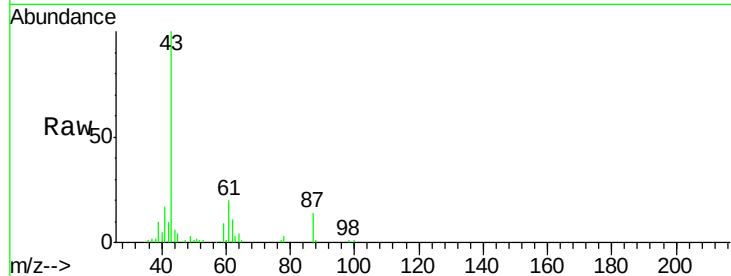
#43
Isopropyl Acetate
Concen: 4.553 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	20.7	31.1
87	10.8	8.1	12.1

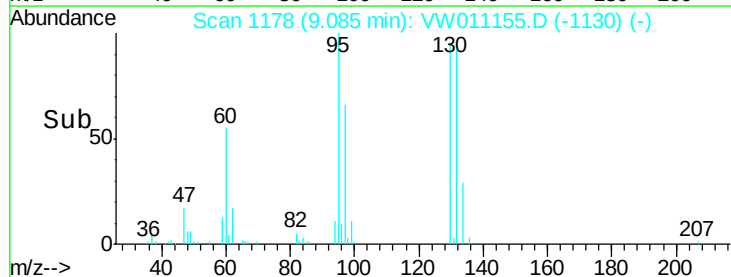
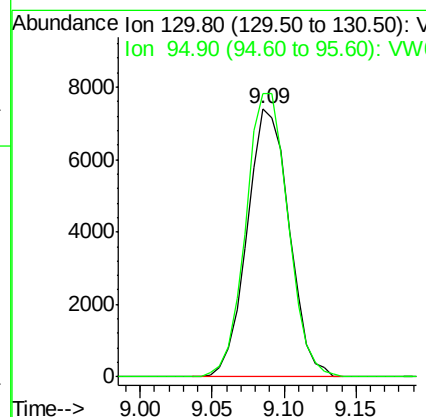
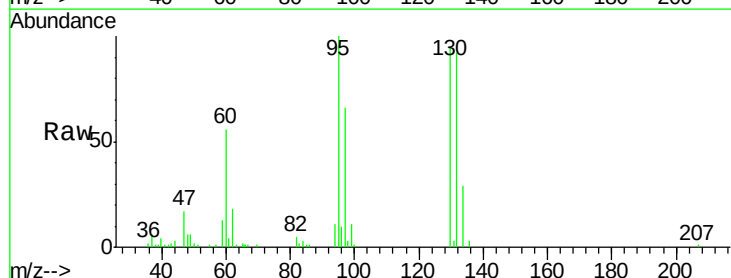
Manual Integrations
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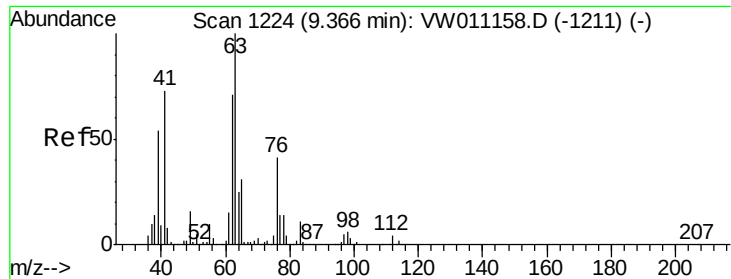
MMDadoda
7/9/2019 4:12:37 PM



#44
Trichloroethene
Concen: 5.107 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	203.6





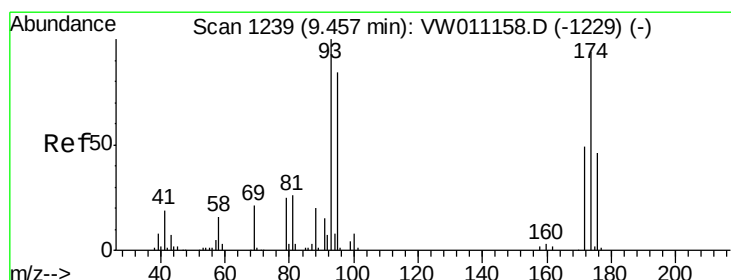
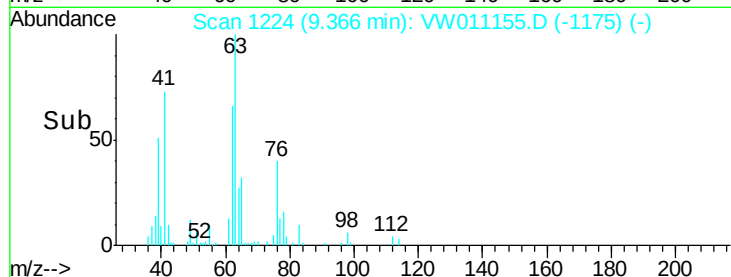
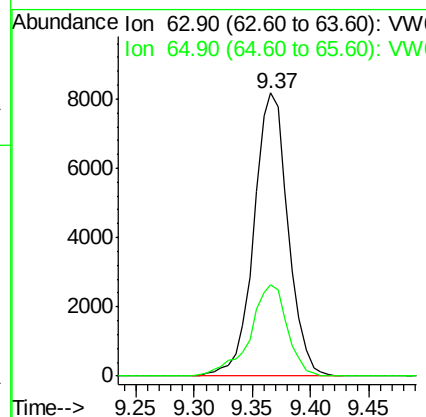
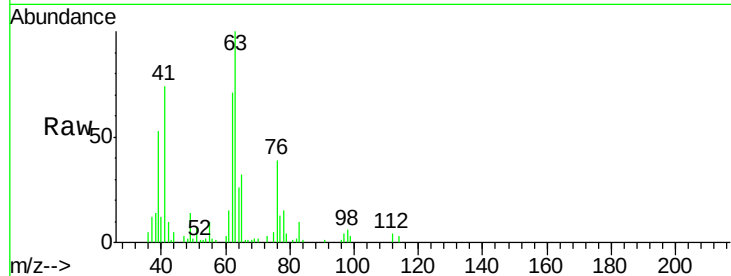
#45
 1,2-Dichloropropane
 Concen: 5.085 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 16733
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.4 36.6

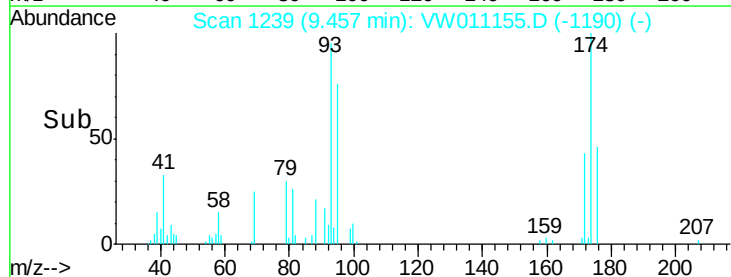
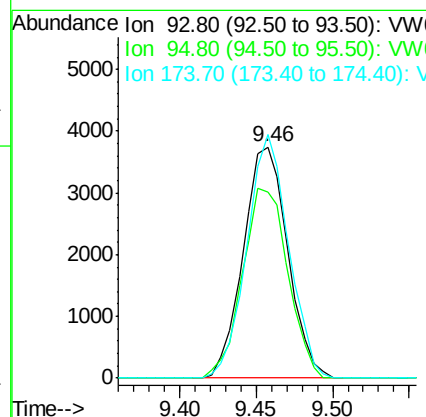
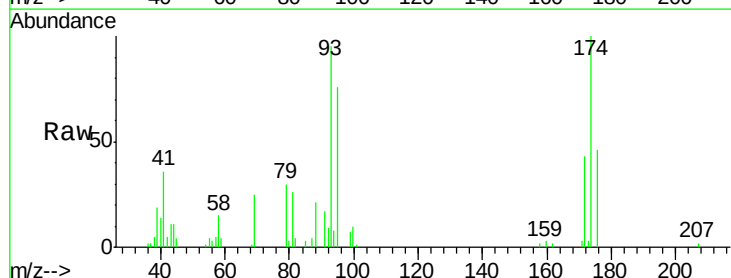
Manual Integrations
 APPROVED

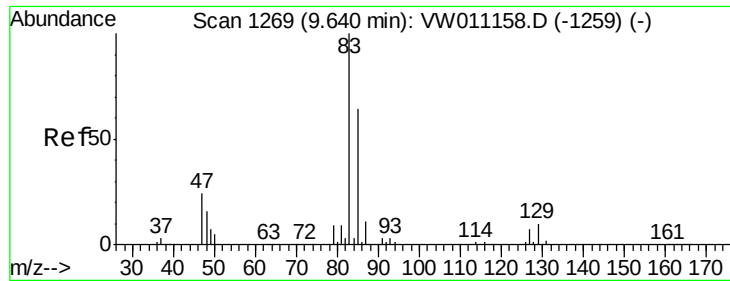
MMDadoda
 7/9/2019 4:12:37 PM



#46
 Dibromomethane
 Concen: 4.890 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 93 Resp: 7558
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.2 100.8
 174 98.9 76.3 114.5





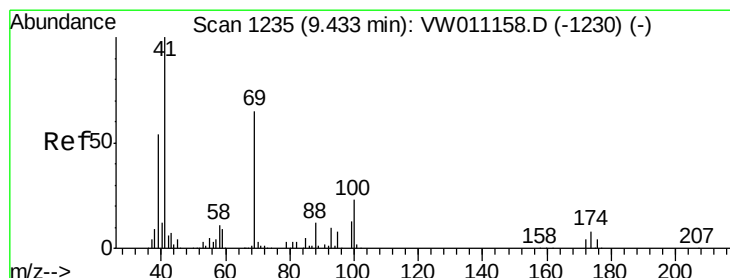
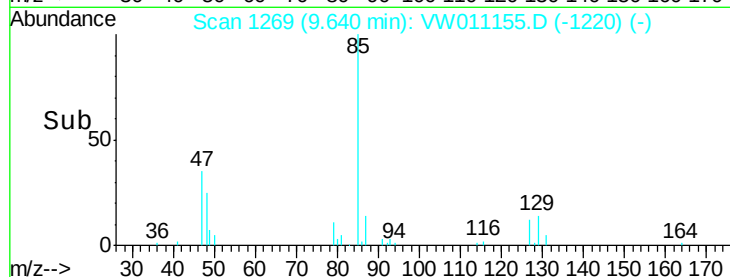
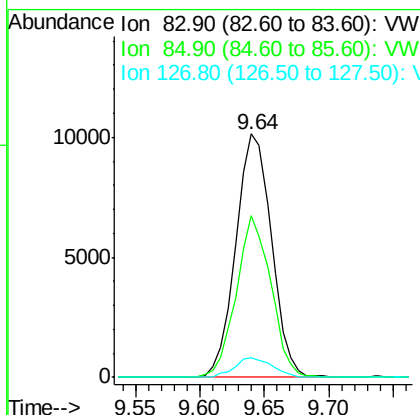
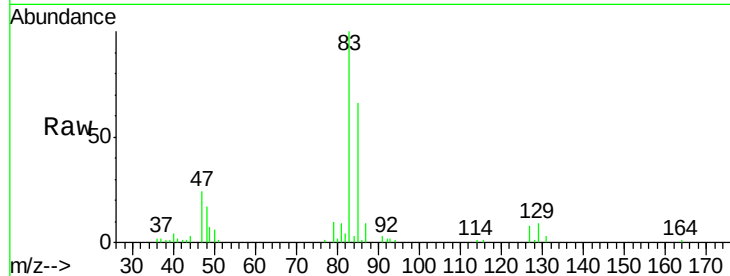
#47
 Bromodichloromethane
 Concen: 4.923 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	83	Resp	19472
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	51.0	76.4
127	8.2	6.0	9.0

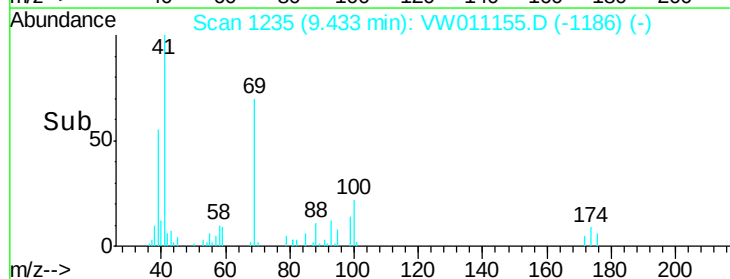
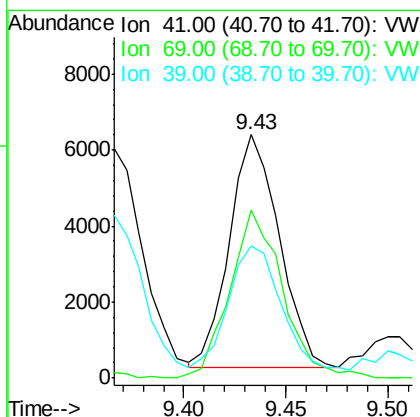
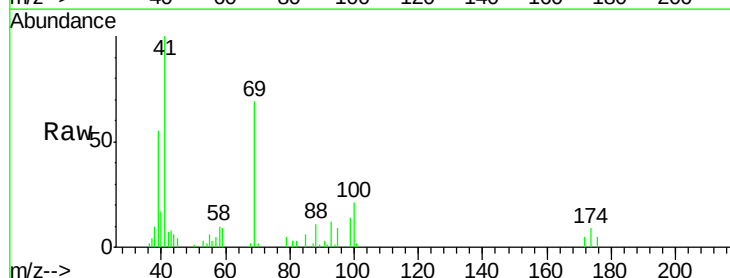
Manual Integrations
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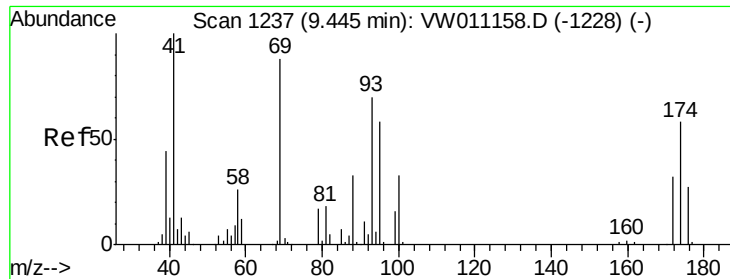
MMDadoda
 7/9/2019 4:12:37 PM



#48
 Methyl methacrylate
 Concen: 4.327 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion	41	Resp	10382
Ion Ratio	100	Lower	Upper
41	100		
69	76.7	56.0	84.0
39	56.7	43.5	65.3





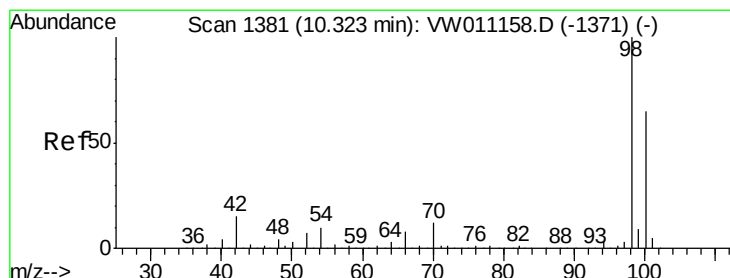
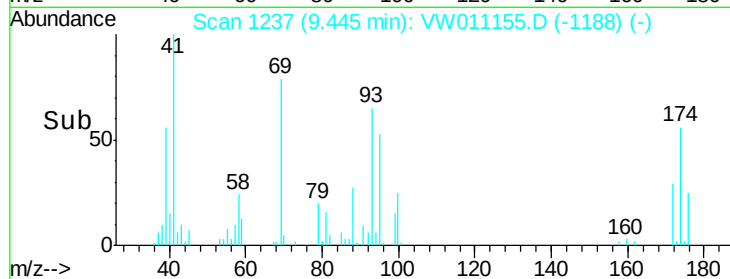
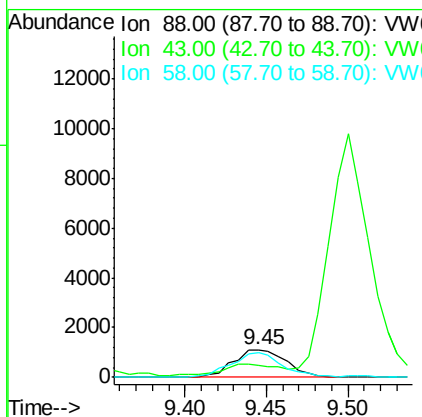
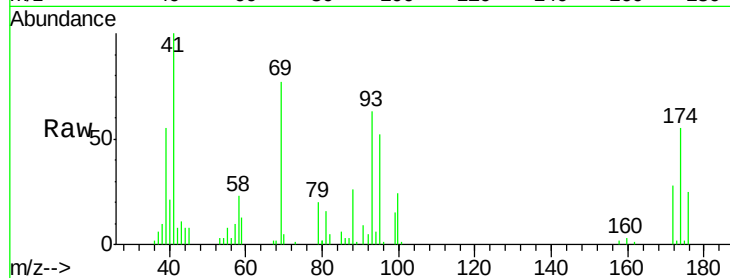
#49
1,4-Dioxane
Concen: 96.391 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	33.4	50.0
58	87.7	64.5	96.7

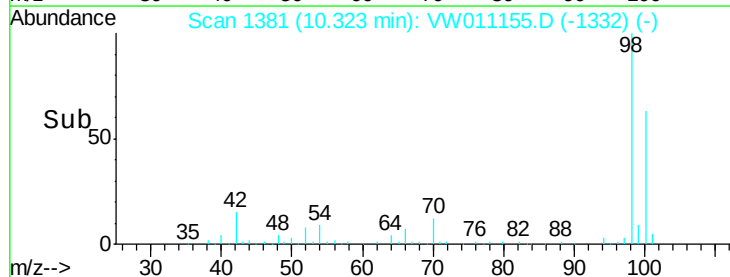
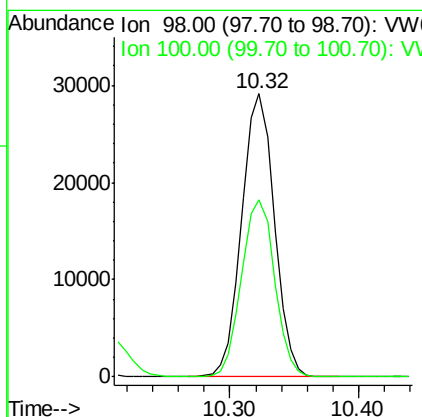
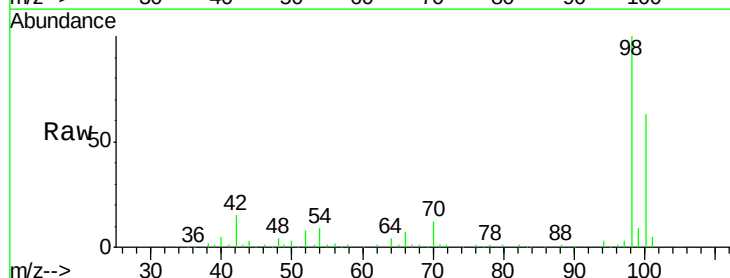
Manual Integrations
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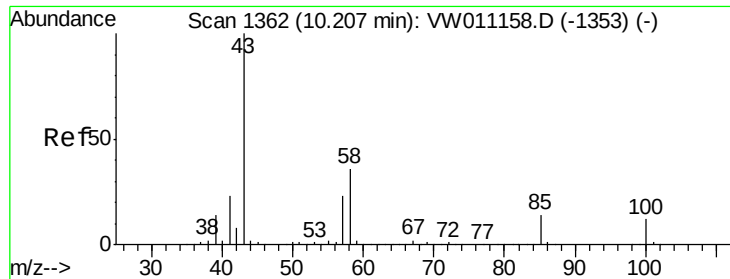
MMDadoda
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#50
Toluene-d8
Concen: 5.148 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 22.524 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 58684

Ion Ratio Lower Upper

43 100

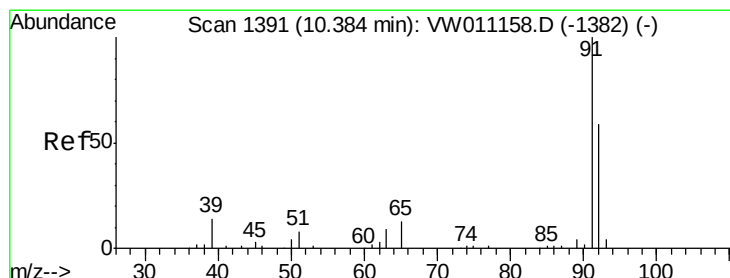
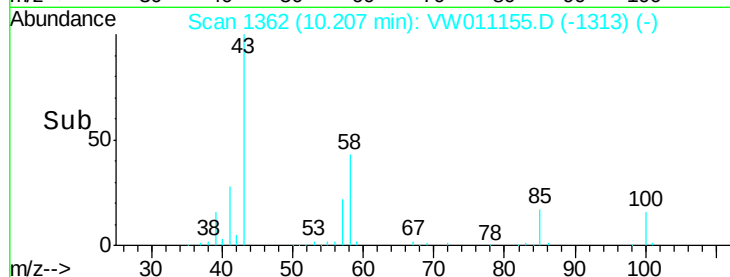
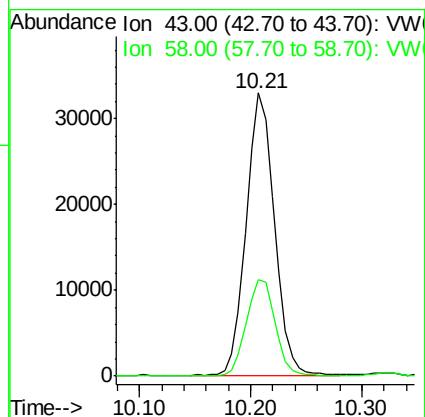
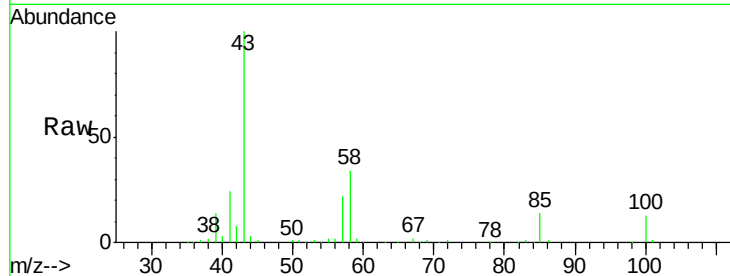
58 35.2 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 4.925 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011155.D

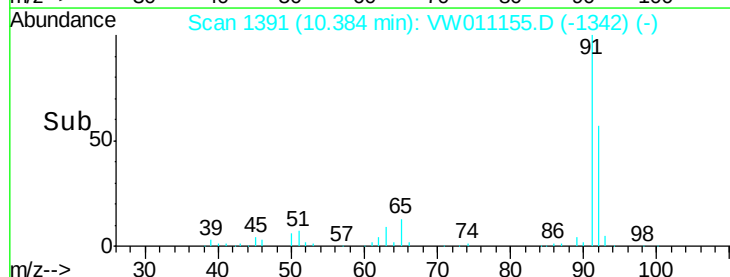
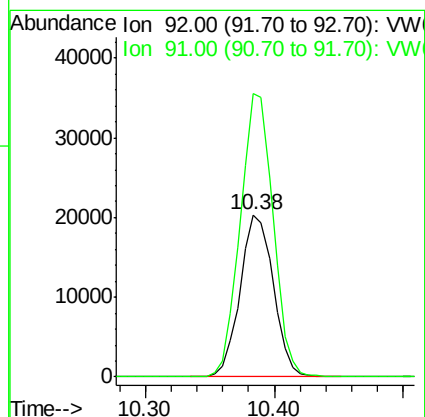
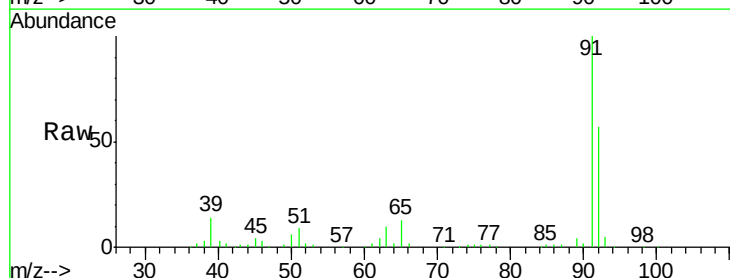
Acq: 08 Jul 2019 10:13

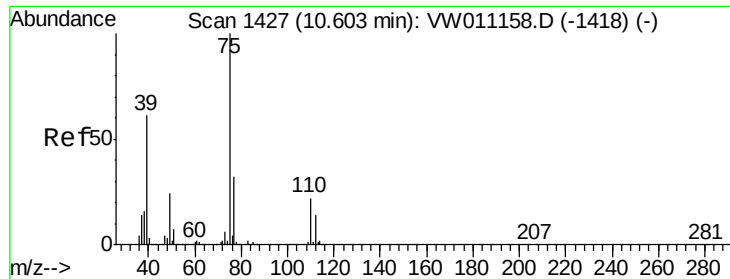
Tgt Ion: 92 Resp: 36301

Ion Ratio Lower Upper

92 100

91 172.5 136.6 205.0





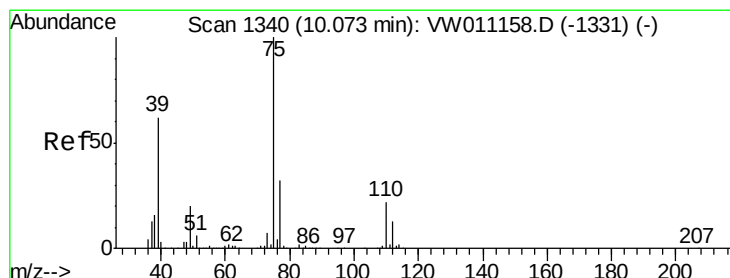
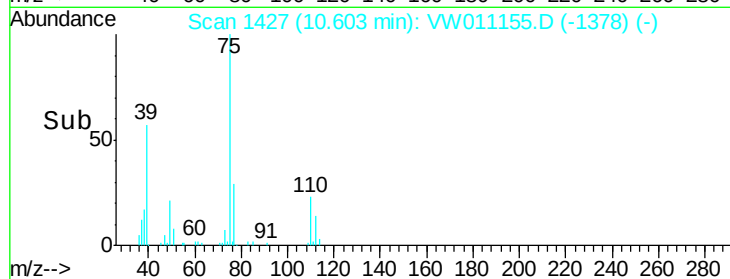
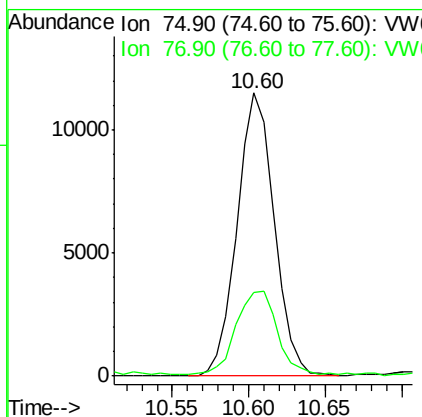
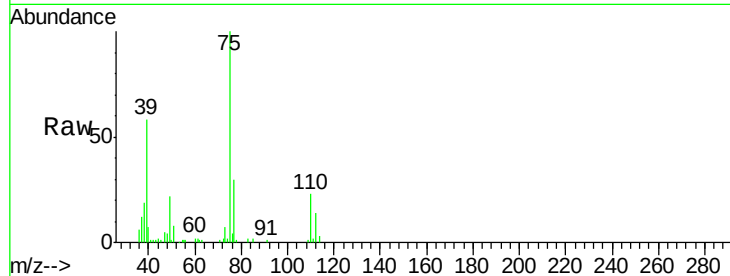
#53
t-1,3-Dichloropropene
Concen: 4.611 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.9	25.4	38.0

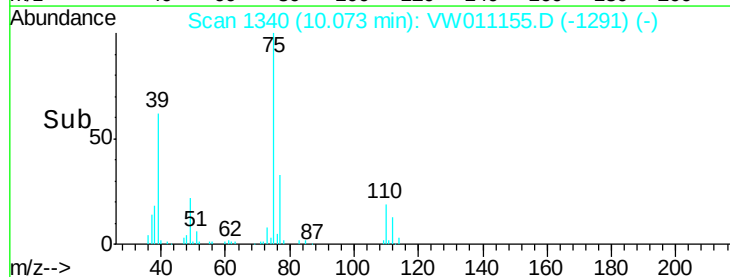
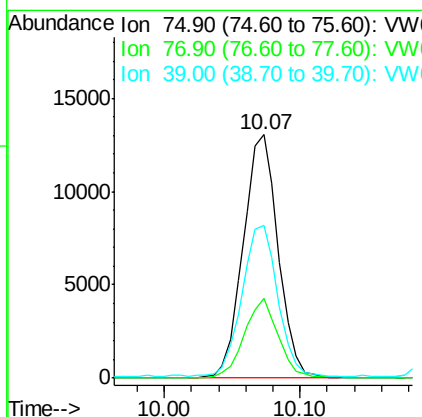
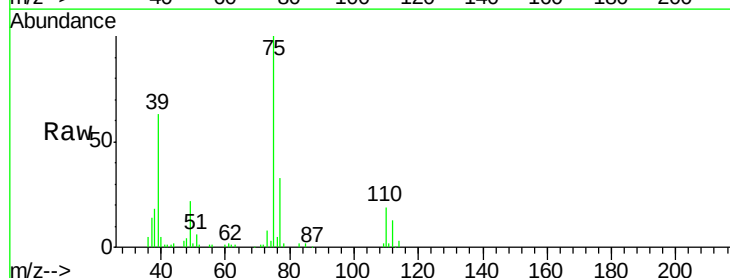
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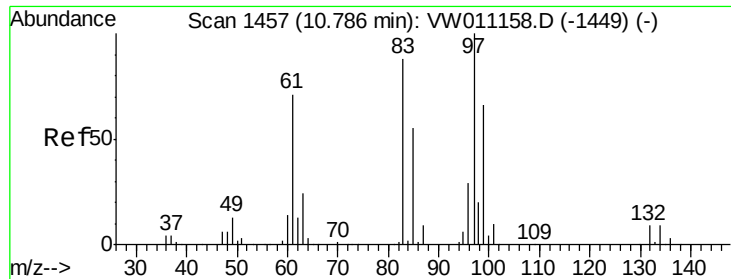
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.733 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.7	38.5
39	62.3	49.8	74.8





#55

1,1,2-Trichloroethane

Concen: 4.912 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 10772

Ion Ratio Lower Upper

97 100

83 91.0 70.2 105.4

85 56.2 44.2 66.2

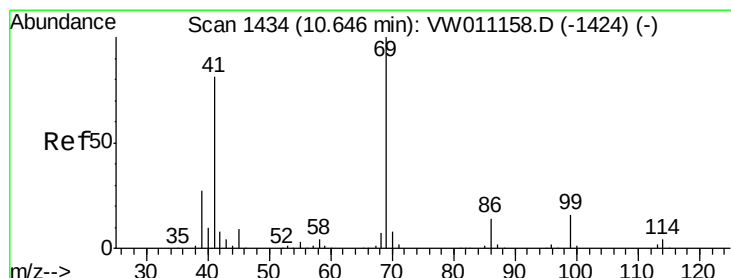
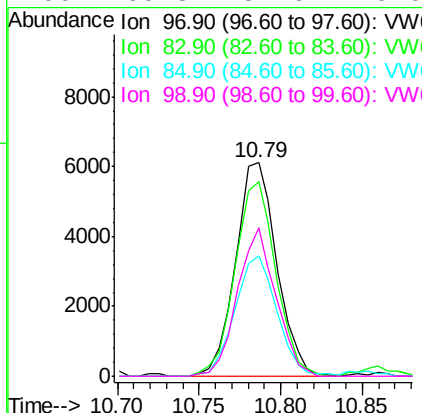
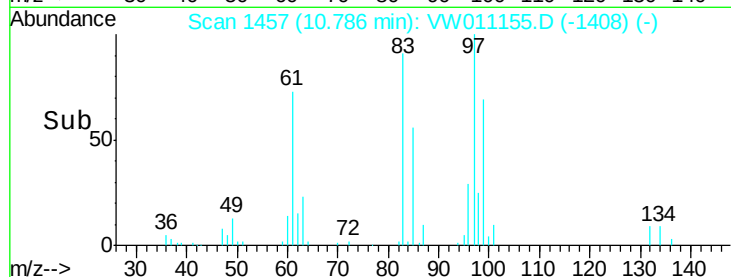
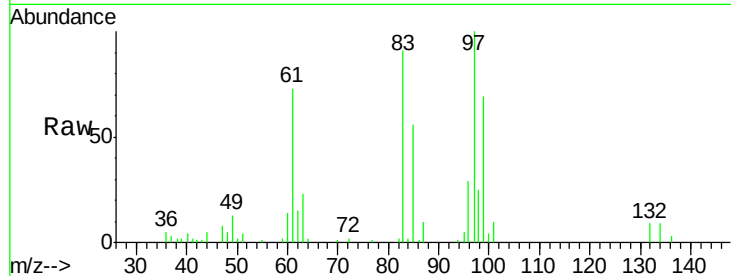
99 69.3 52.6 79.0

Manual Integrations

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#56

Ethyl methacrylate

Concen: 4.367 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

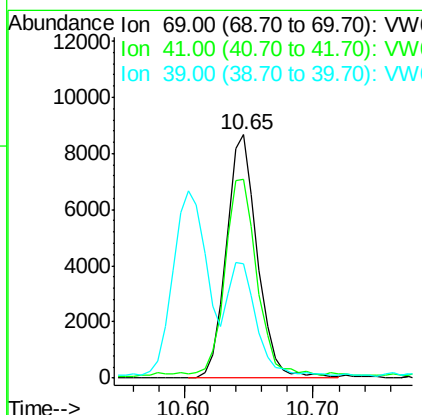
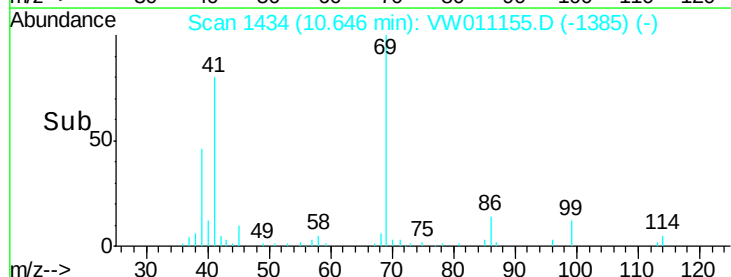
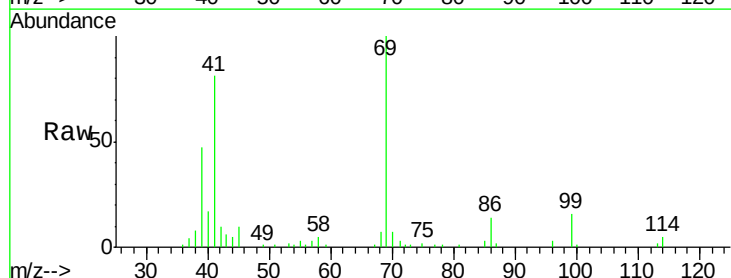
Tgt Ion: 69 Resp: 14581

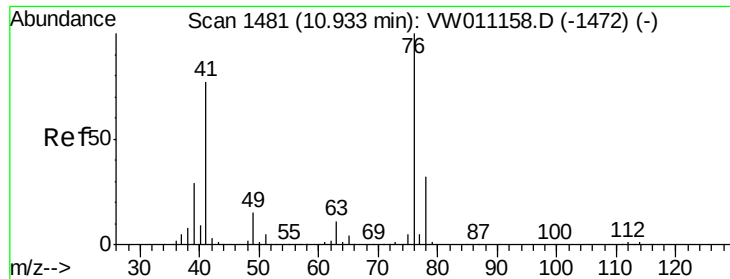
Ion Ratio Lower Upper

69 100

41 82.2 66.5 99.7

39 40.6 32.5 48.7





#57

1,3-Dichloropropane

Concen: 4.843 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 20082

Ion Ratio Lower Upper

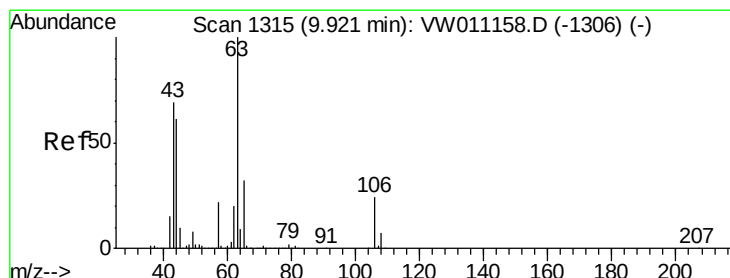
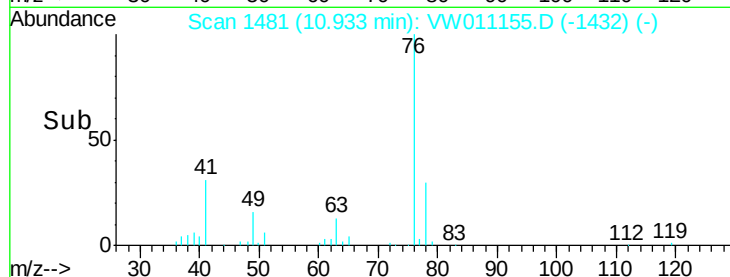
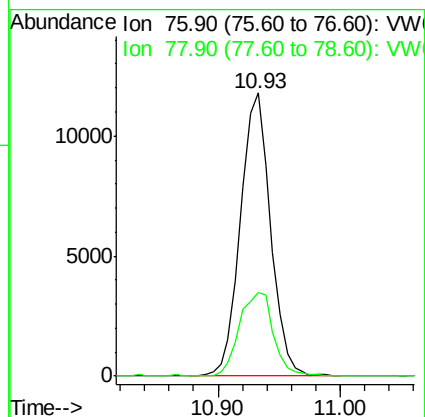
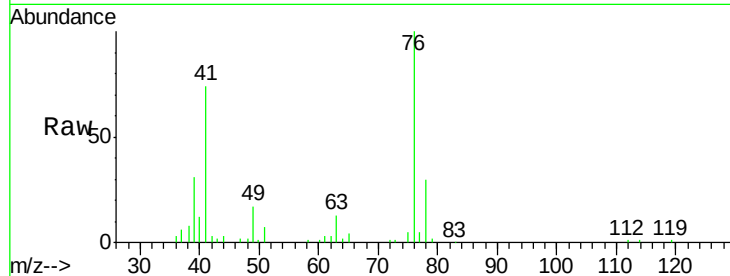
76 100

78 33.4 26.2 39.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 20.424 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011155.D

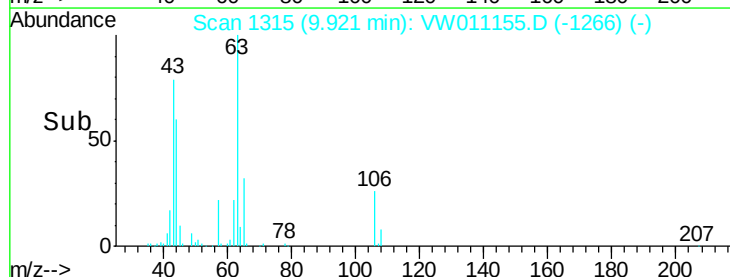
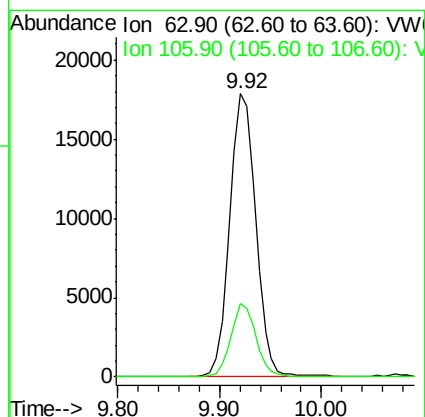
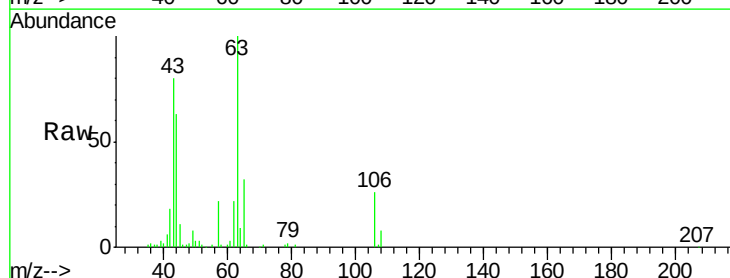
Acq: 08 Jul 2019 10:13

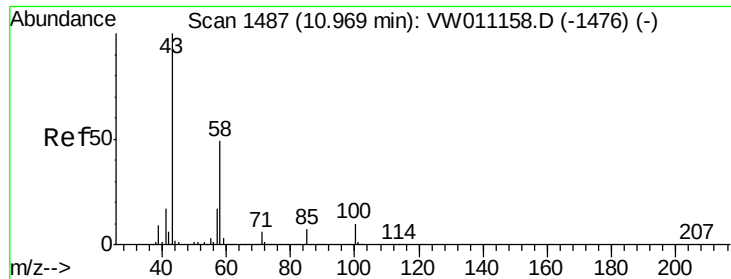
Tgt Ion: 63 Resp: 31612

Ion Ratio Lower Upper

63 100

106 24.6 19.4 29.0





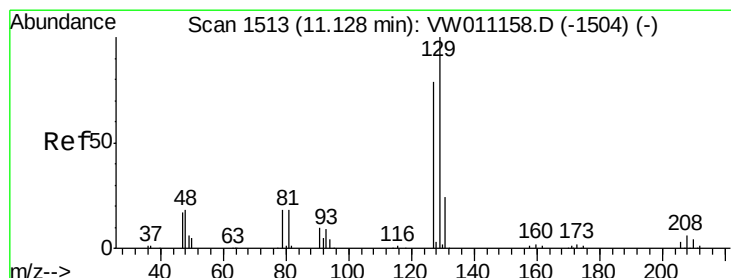
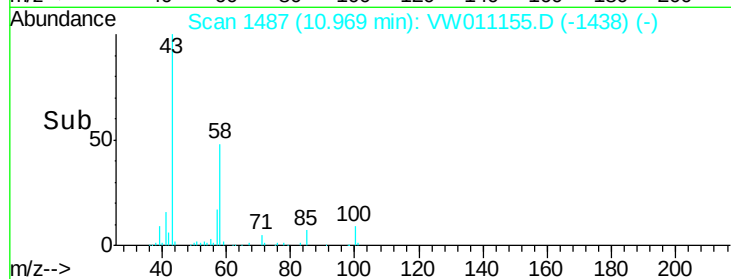
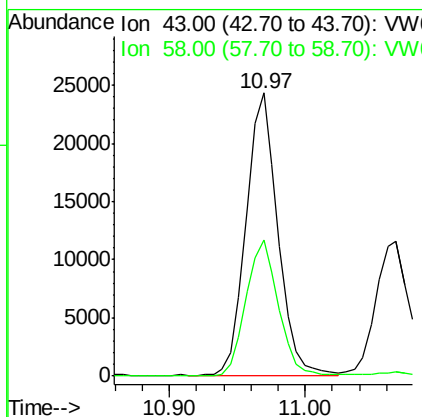
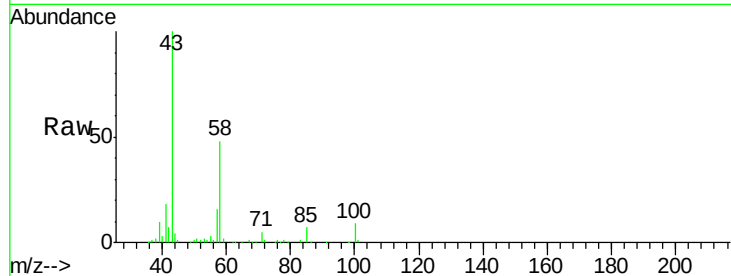
#59
2-Hexanone
Concen: 21.973 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 39703
Ion Ratio Lower Upper
43 100
58 49.1 24.4 73.4

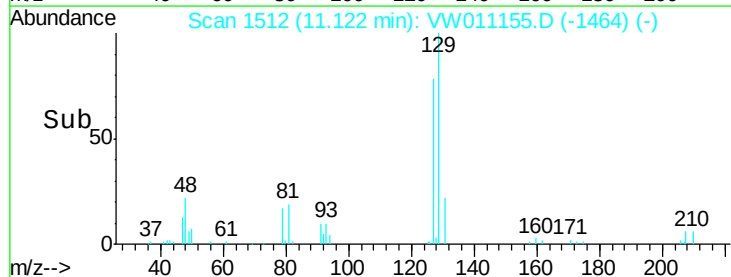
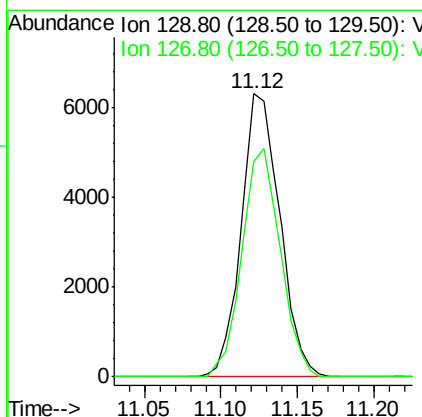
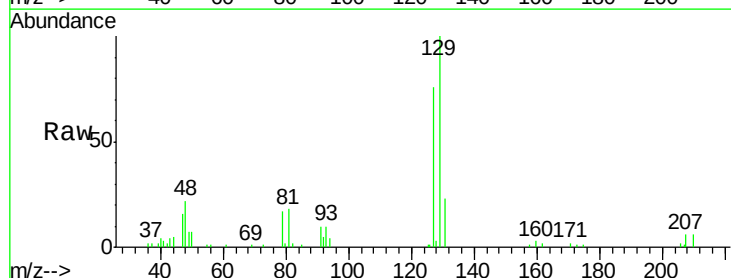
Manual Integrations
APPROVED

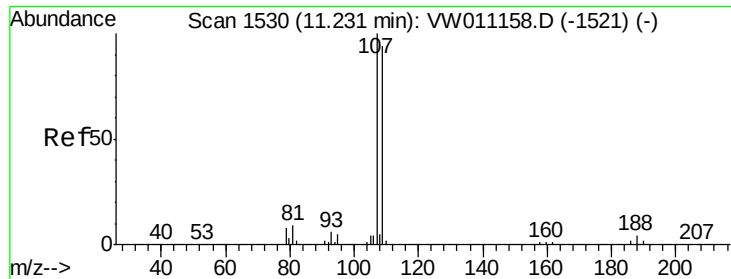
MMDadoda
7/9/2019 4:12:37 PM



#60
Dibromochloromethane
Concen: 4.610 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion: 129 Resp: 11086
Ion Ratio Lower Upper
129 100
127 80.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 4.752 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 9870

Ion Ratio Lower Upper

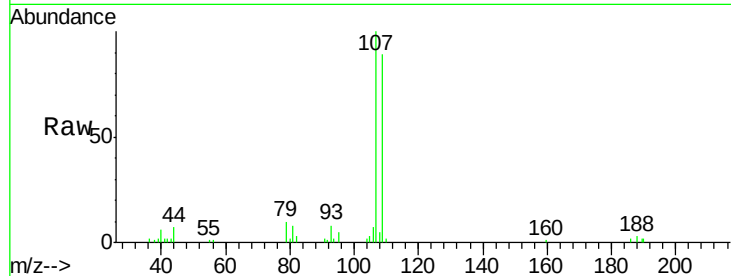
107 100

109 95.4 75.2 112.8

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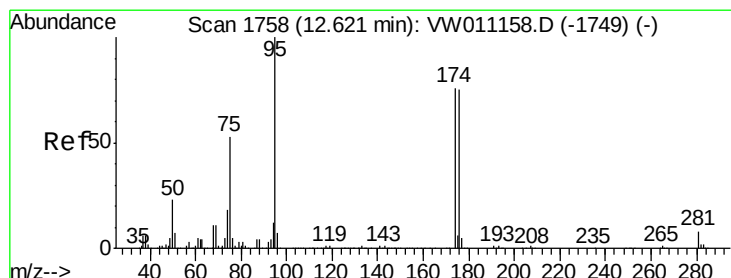
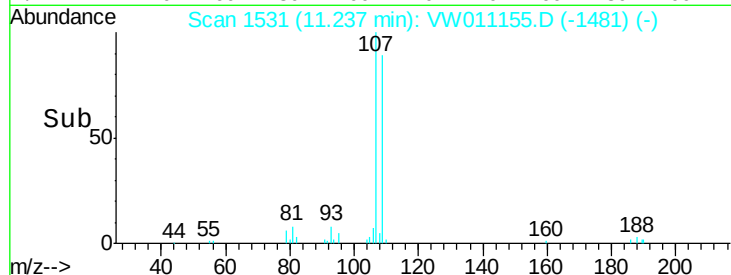
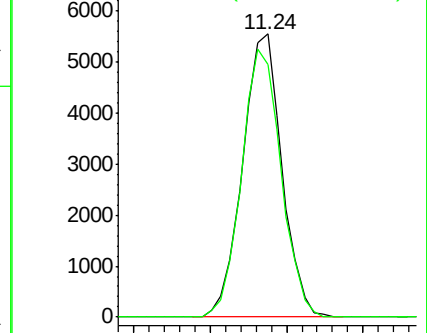
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.333 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

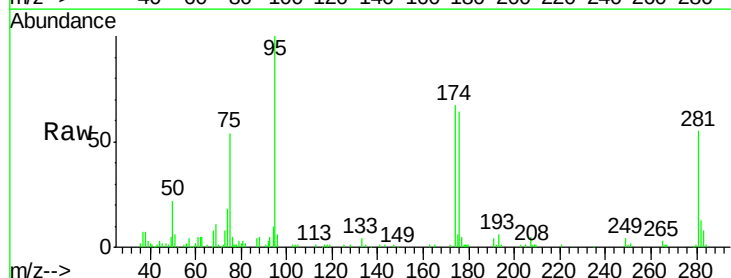
Tgt Ion: 95 Resp: 19446

Ion Ratio Lower Upper

95 100

174 73.8 0.0 147.6

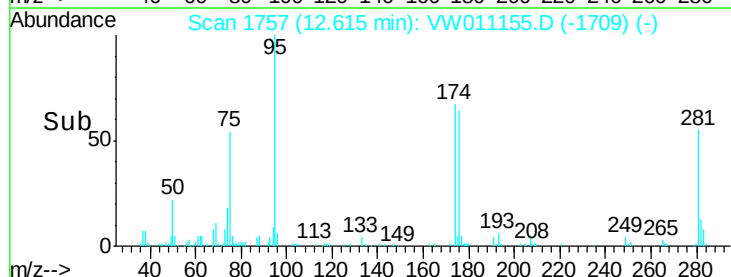
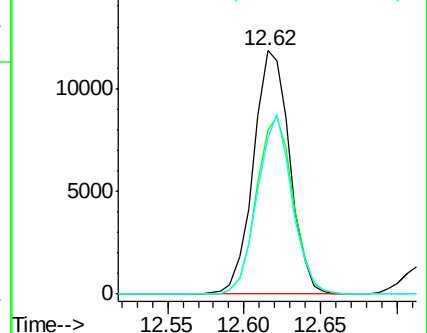
176 70.7 0.0 144.6

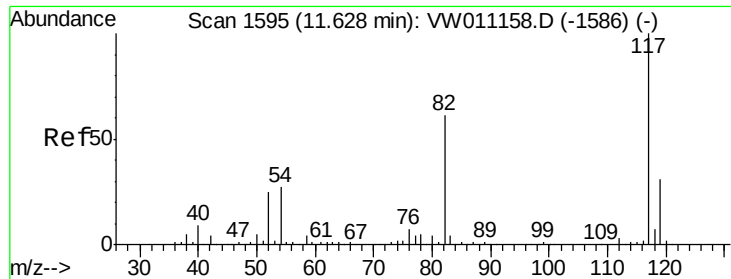


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





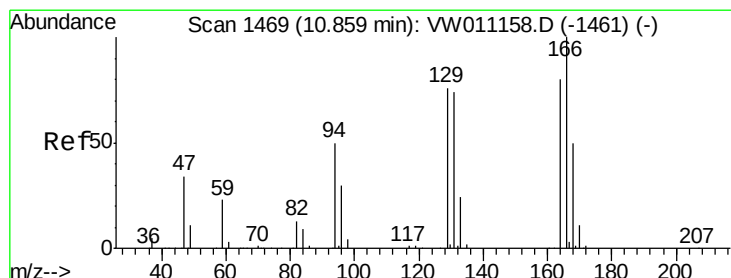
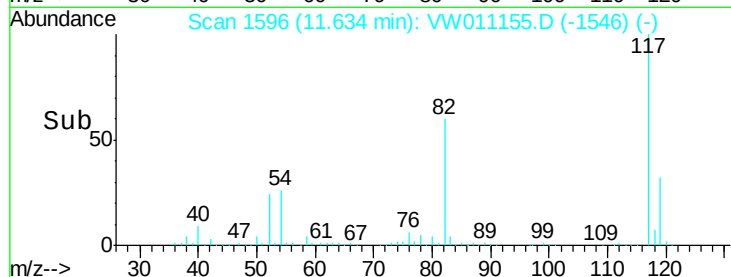
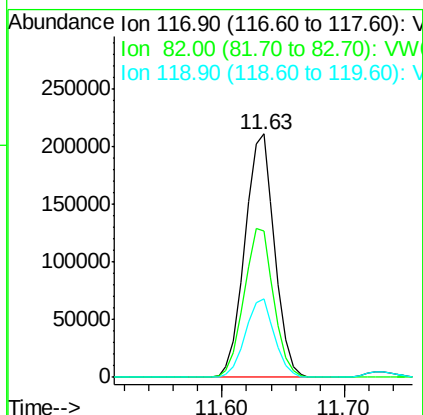
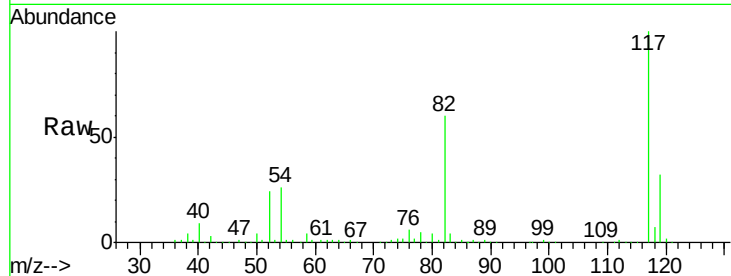
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.9	73.3
119	32.3	25.0	37.6

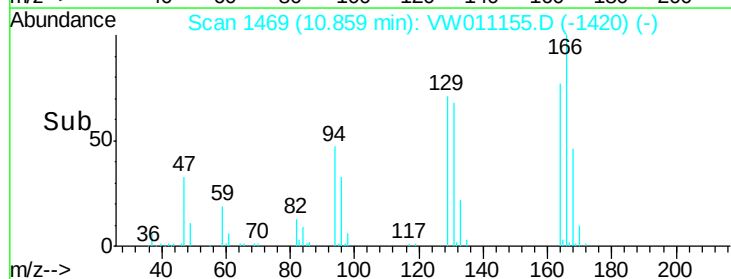
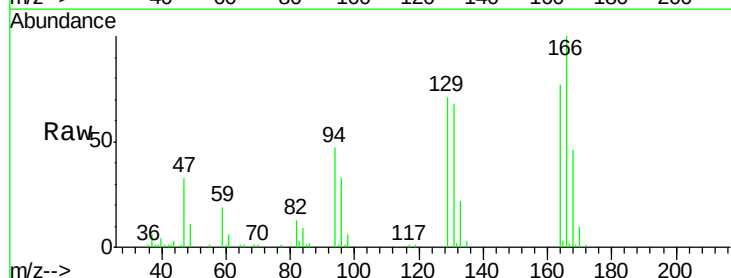
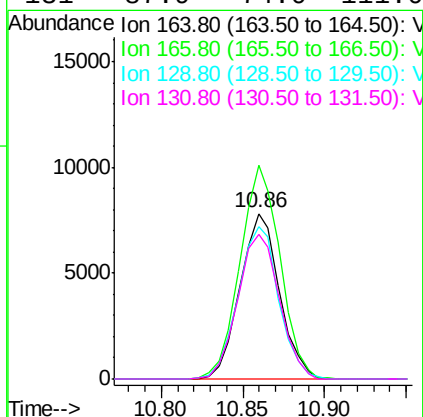
Manual Integrations
APPROVED

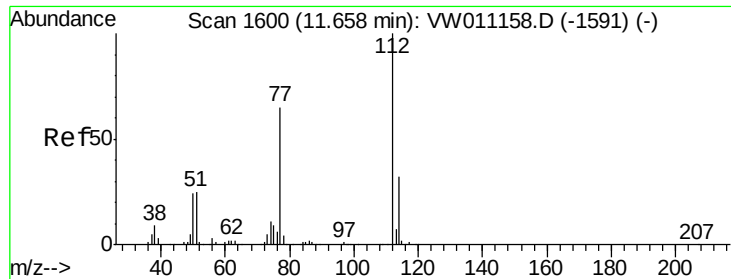
MMDadoda
7/9/2019 4:12:37 PM



#64
Tetrachloroethene
Concen: 5.479 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	99.7	149.5
129	92.3	76.2	114.2
131	87.9	74.0	111.0





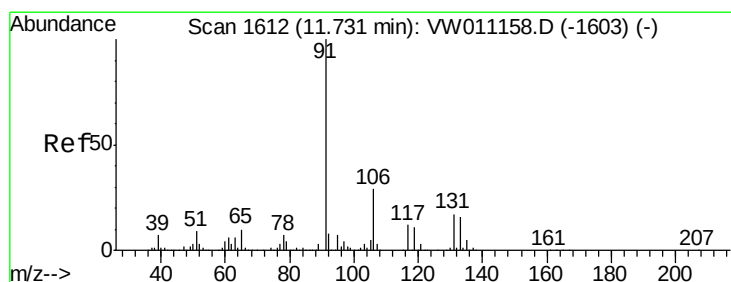
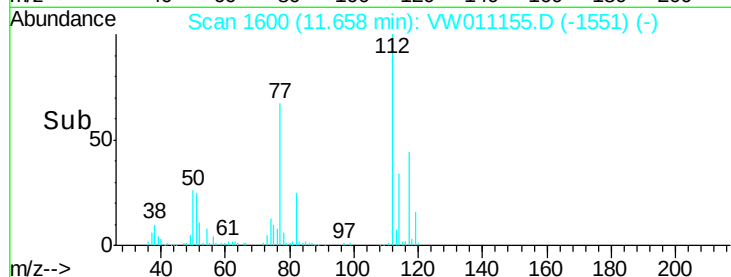
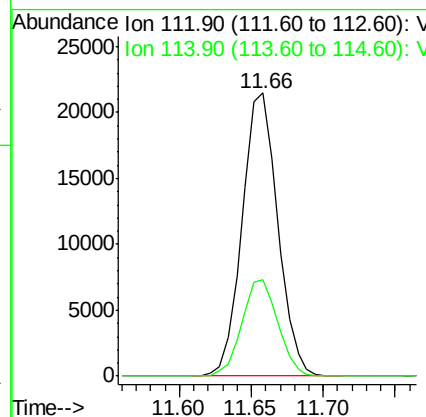
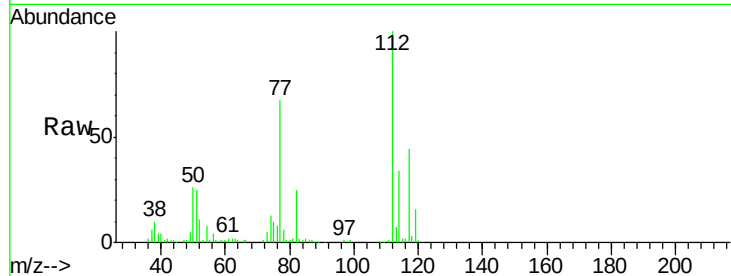
#65
Chlorobenzene
Concen: 5.098 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	25.5	38.3

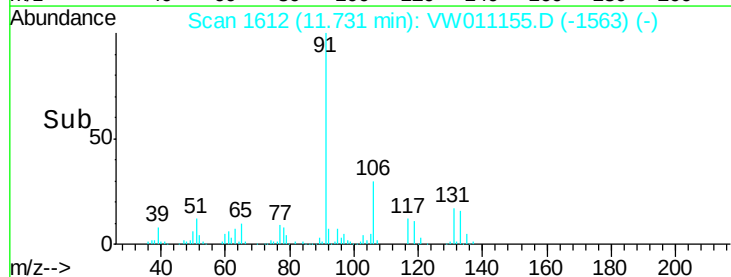
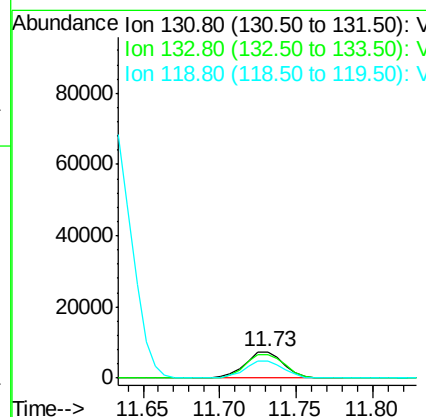
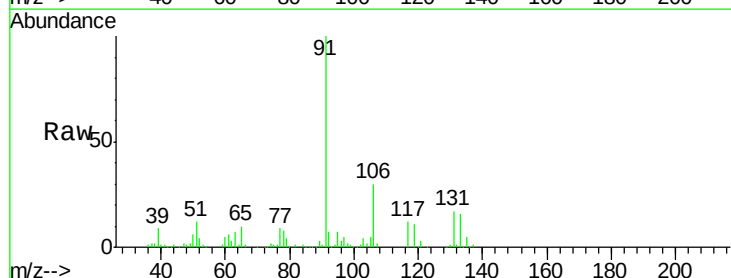
Manual Integrations
APPROVED

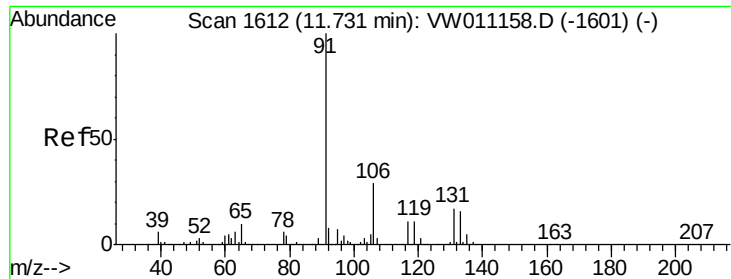
MMDadoda
7/9/2019 4:12:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.020 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.9	143.8
119	66.3	33.1	99.2





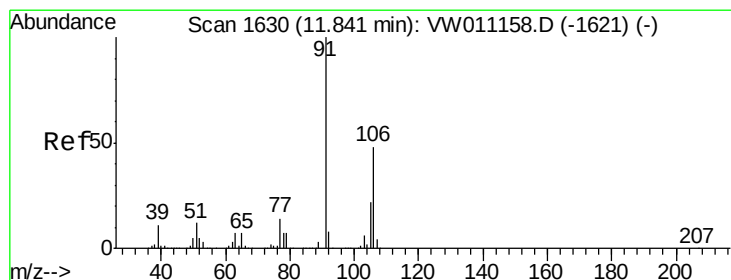
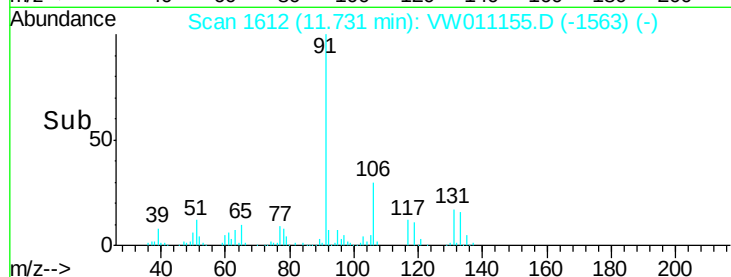
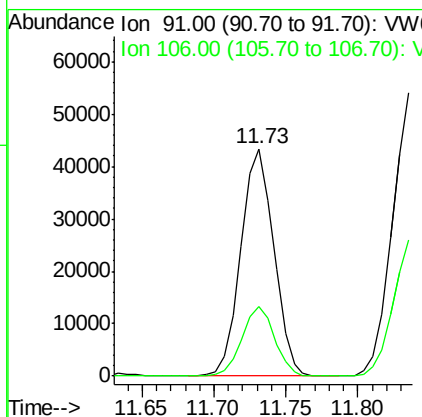
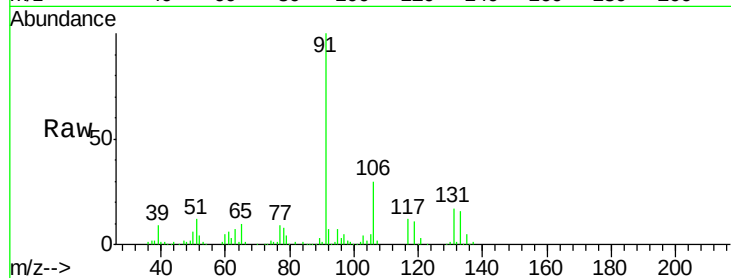
#67
Ethyl Benzene
Concen: 5.015 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		69311		
106	30.4		23.5	35.3	

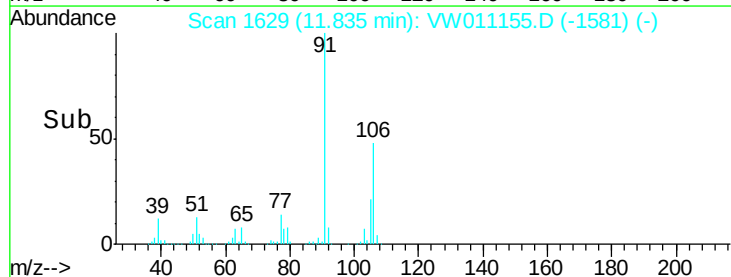
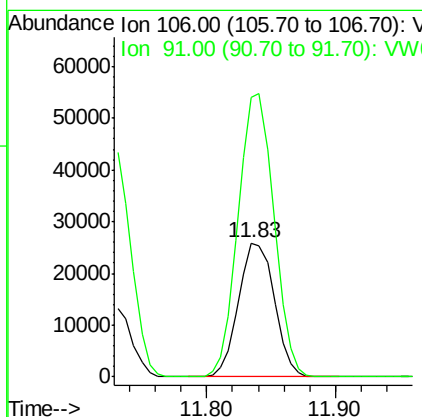
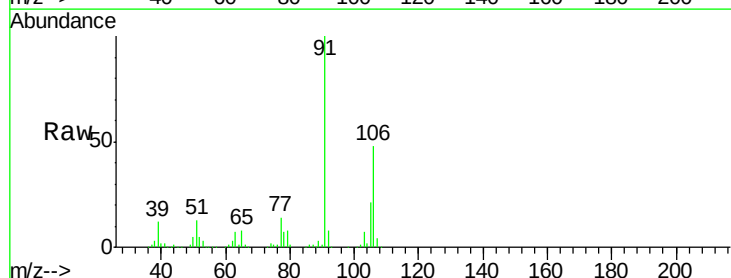
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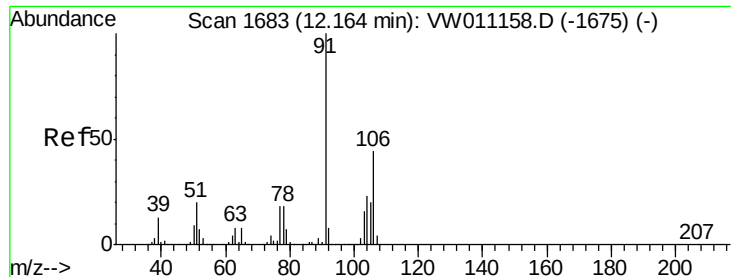
MMDadoda
7/9/2019 4:12:37 PM



#68
m/p-Xylenes
Concen: 10.035 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		50186		
91	210.2		167.7	251.5	





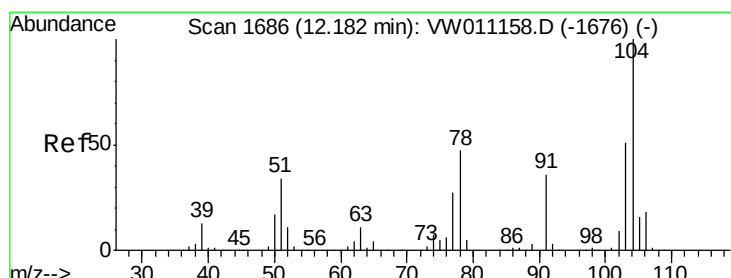
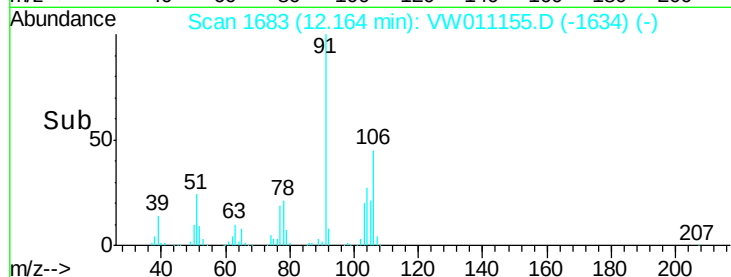
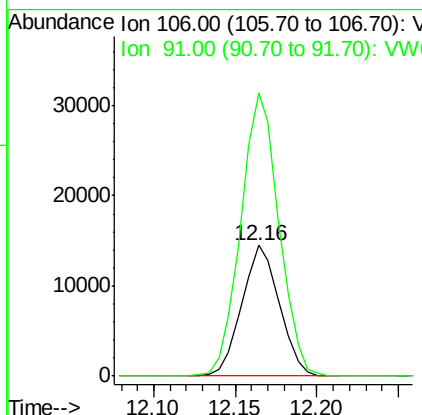
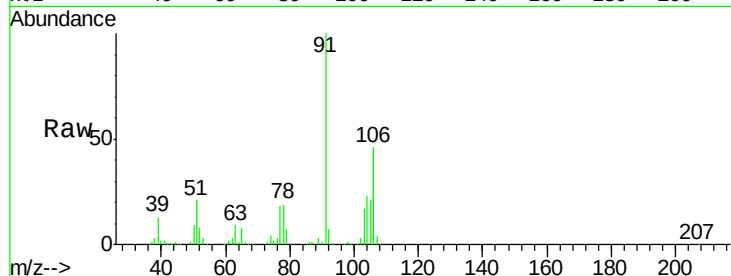
#69
o-Xylene
Concen: 4.956 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.3	110.7	332.1

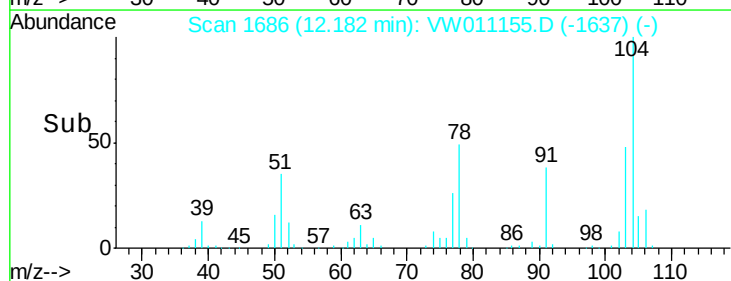
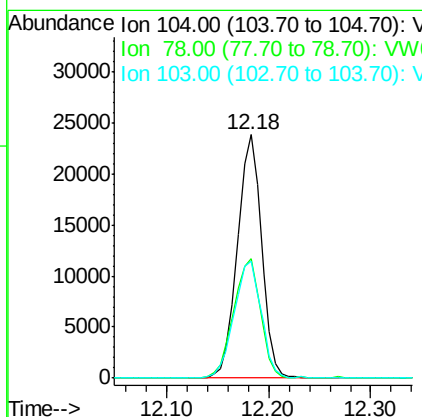
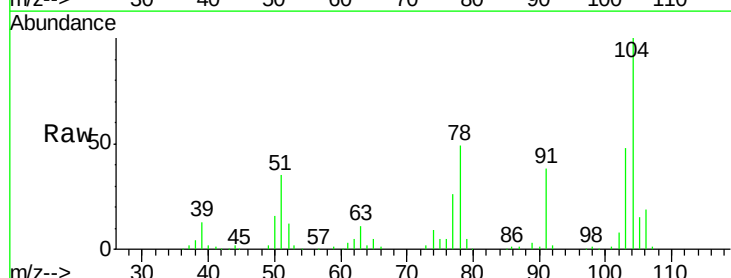
Manual Integrations
APPROVED

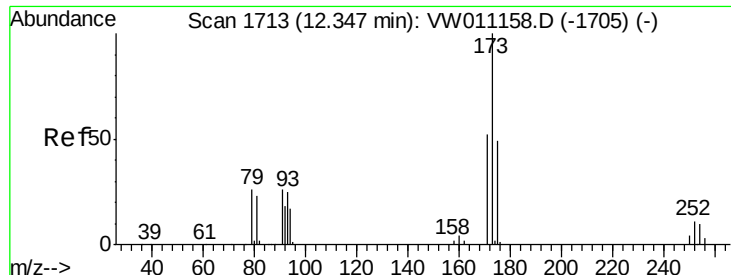
MMDadoda
7/9/2019 4:12:37 PM



#70
Styrene
Concen: 4.794 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	53.8	44.1	66.1





#71

Bromoform

Concen: 4.851 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 6556

Ion Ratio Lower Upper

173 100

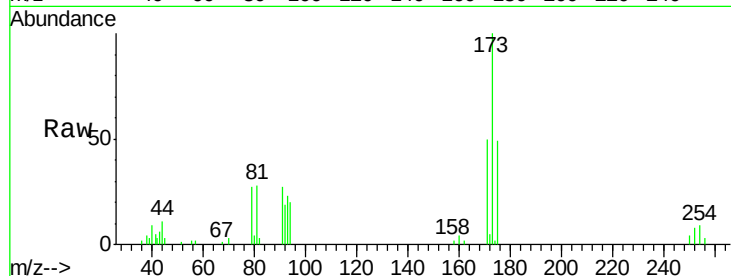
175 46.0 24.8 74.3

254 0.0 0.0 0.0

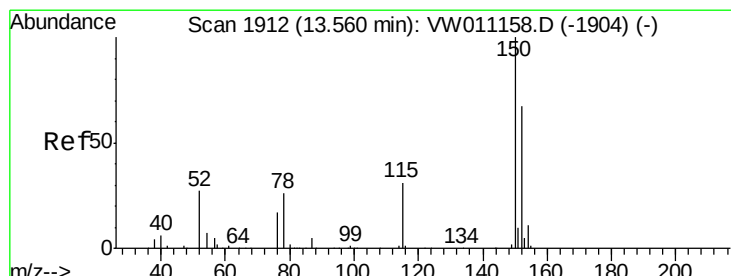
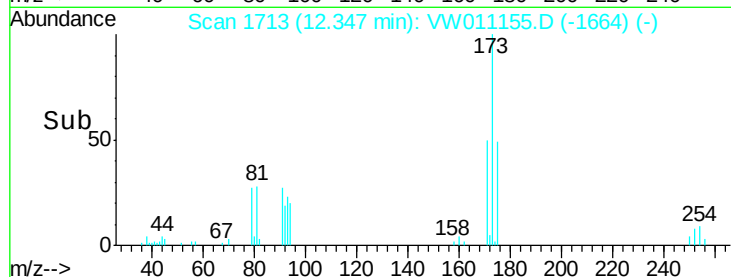
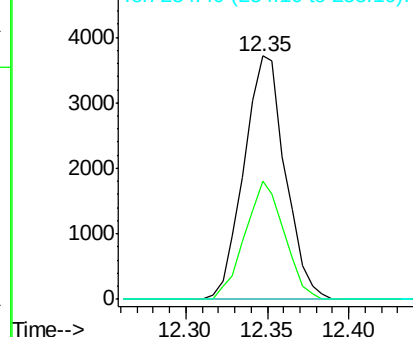
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

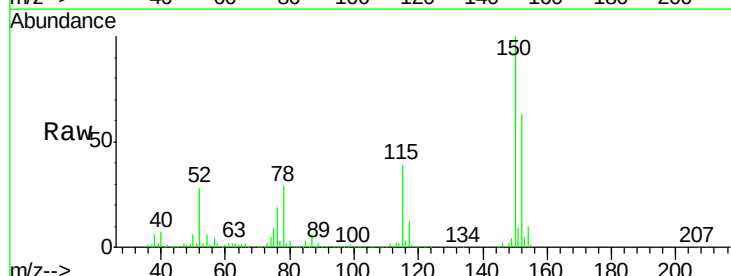
Tgt Ion:152 Resp: 167493

Ion Ratio Lower Upper

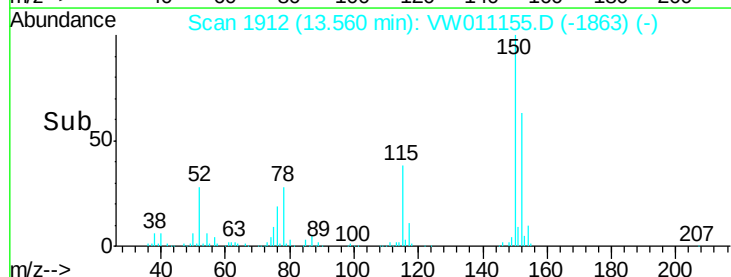
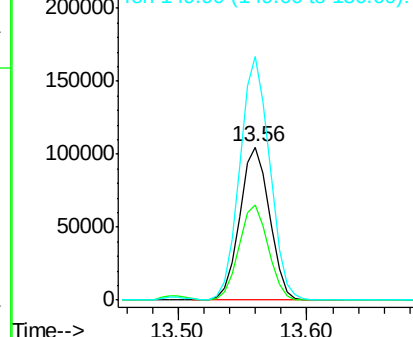
152 100

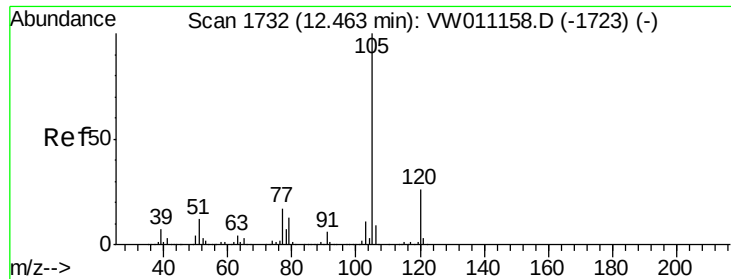
115 61.7 30.1 90.3

150 159.8 0.0 346.0



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





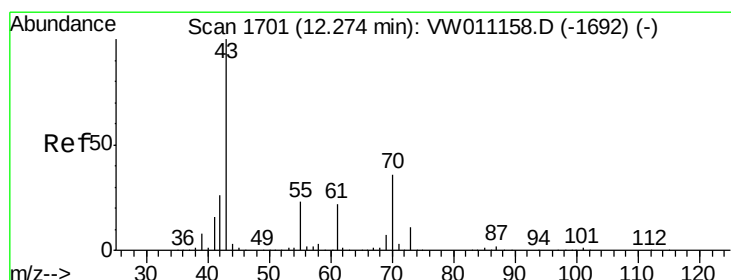
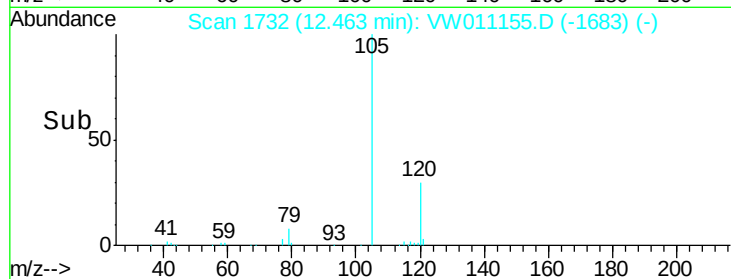
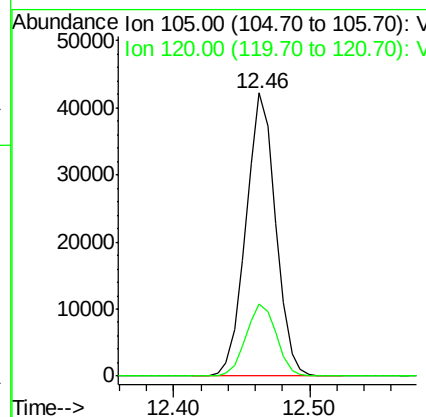
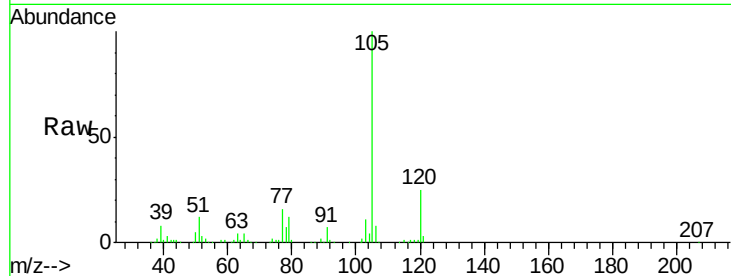
#73
Isopropylbenzene
Concen: 5.151 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.3

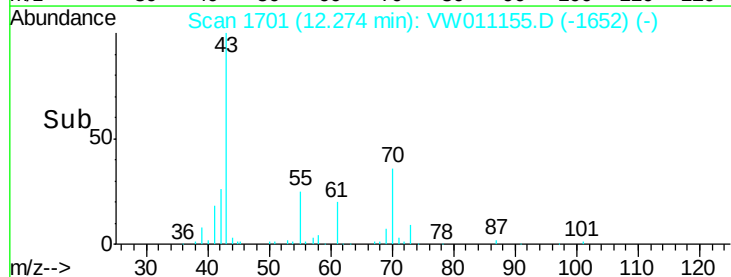
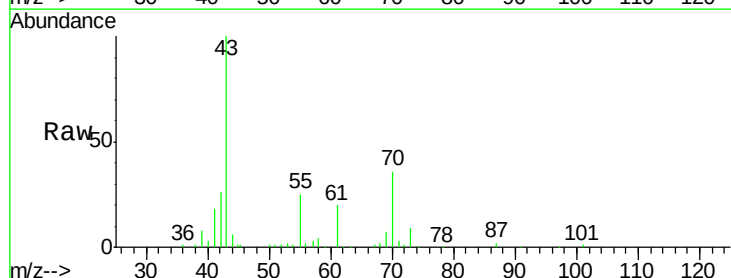
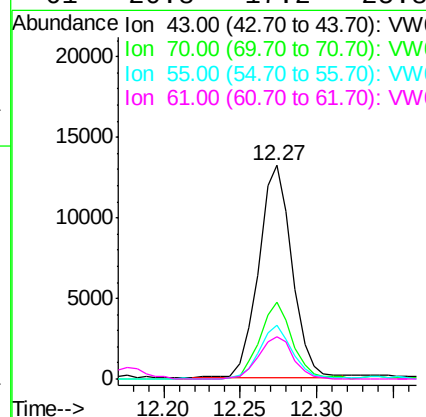
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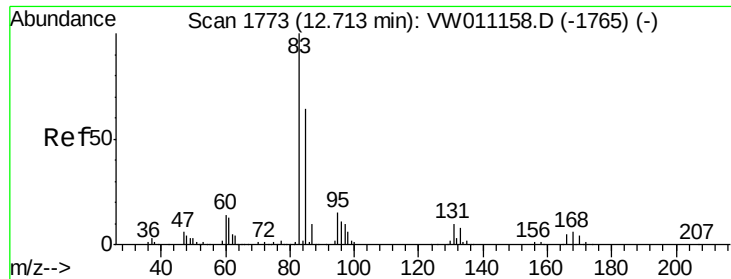
MMDadoda
7/9/2019 4:12:37 PM



#74
N-ethyl acetate
Concen: 4.612 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.5	28.5	42.7
55	25.6	18.1	27.1
61	20.8	17.2	25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.036 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

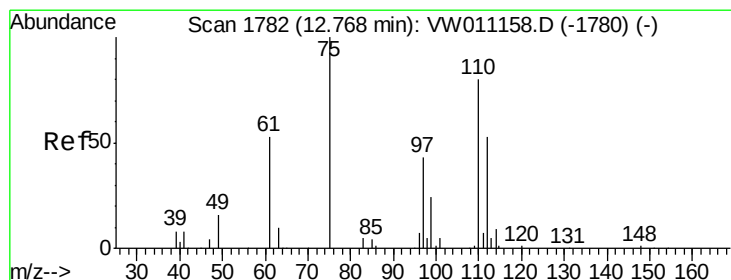
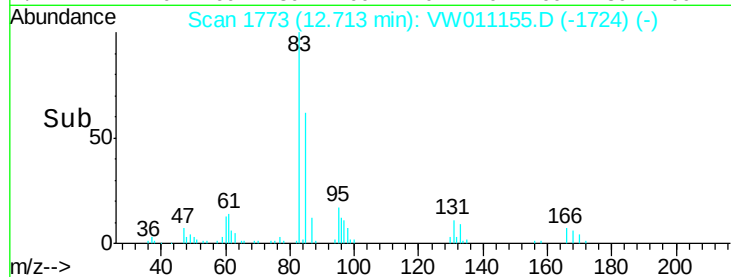
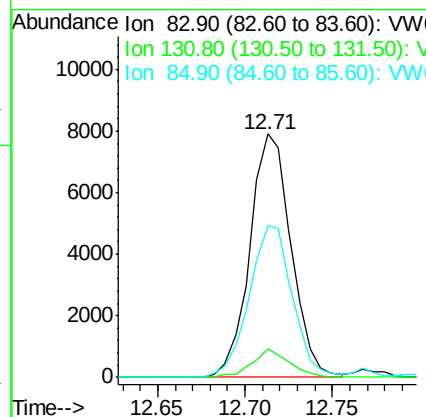
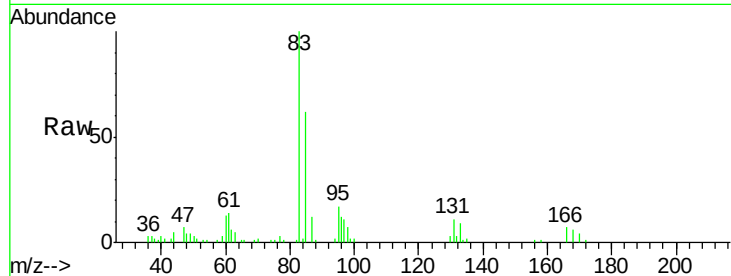
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12924
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	65.4	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.598 ug/l m

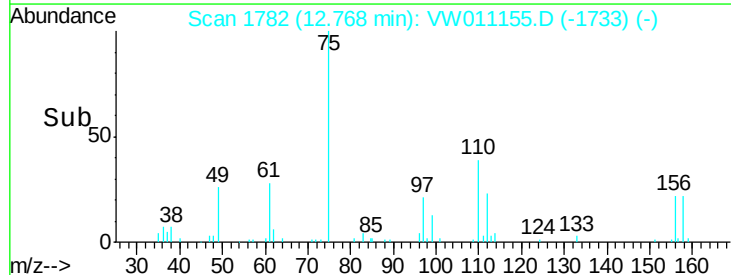
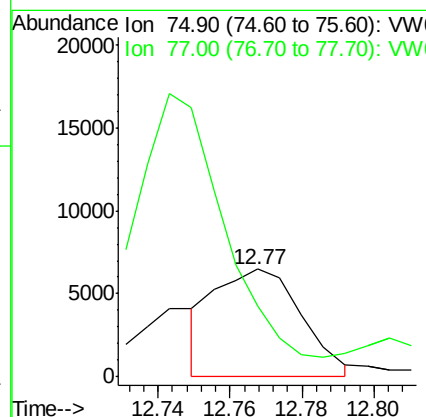
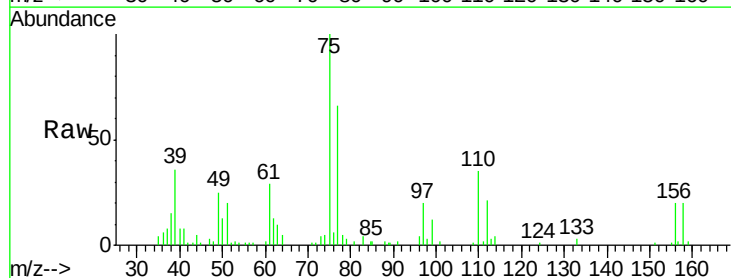
RT: 12.77 min Scan# 1782

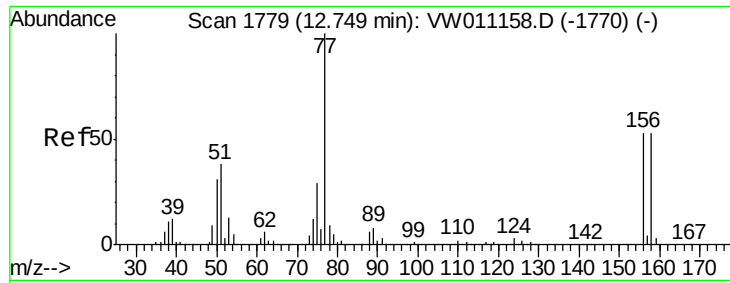
Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Tgt Ion:	75	Resp:	10864
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.155 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 14486

Ion Ratio Lower Upper

156 100

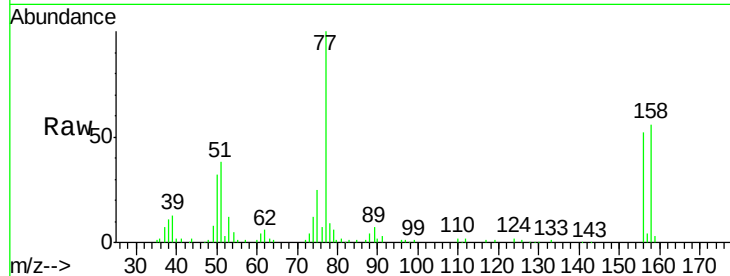
77 214.2 109.0 327.0

158 97.2 48.8 146.3

Manual Integrations
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MMDadoda

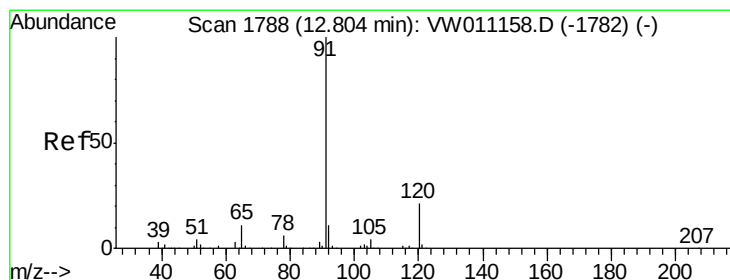
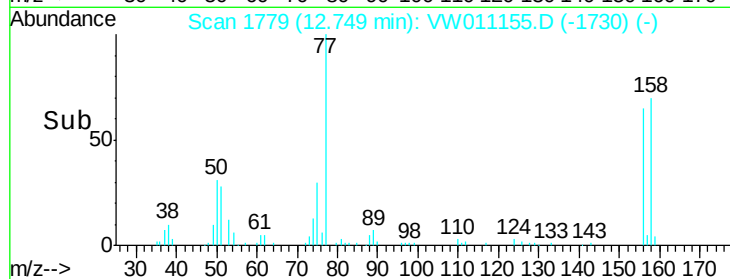
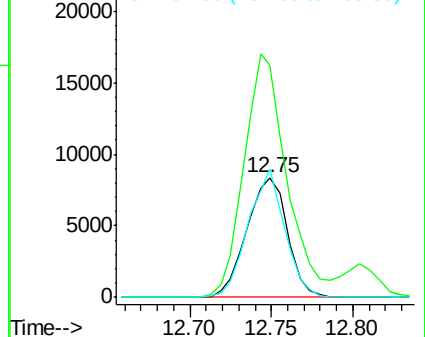
7/9/2019 4:12:37 PM



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: 5.167 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011155.D

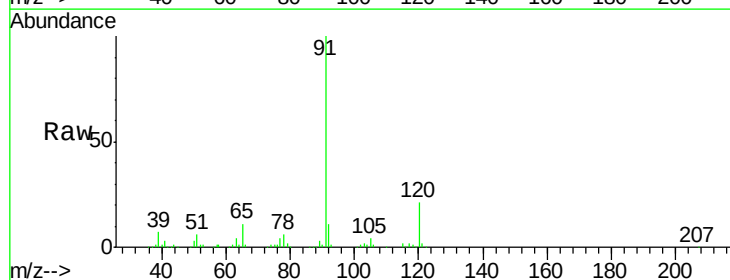
Acq: 08 Jul 2019 10:13

Tgt Ion: 91 Resp: 79699

Ion Ratio Lower Upper

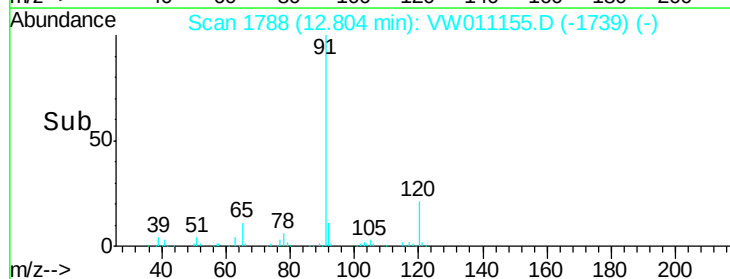
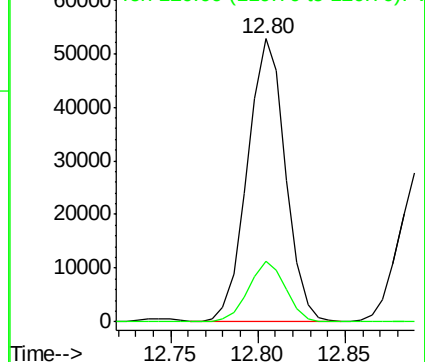
91 100

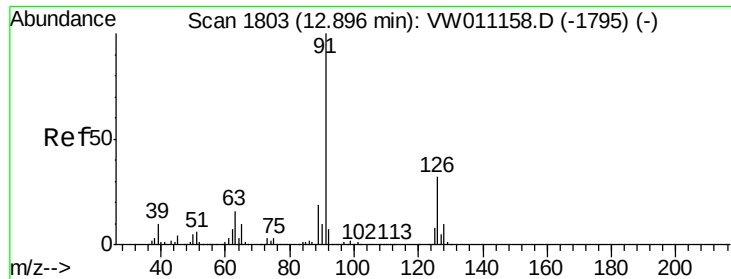
120 21.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





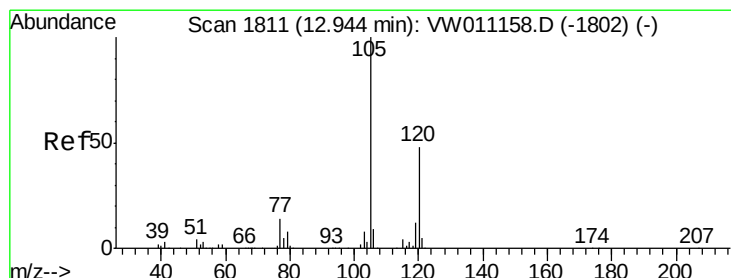
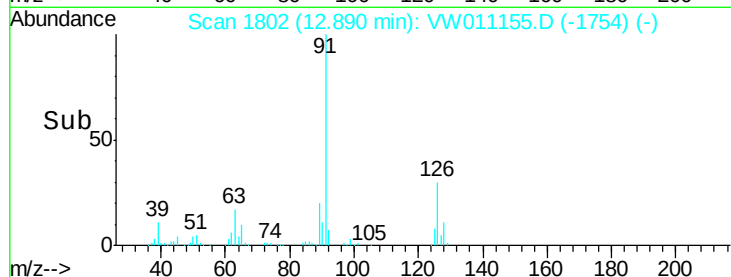
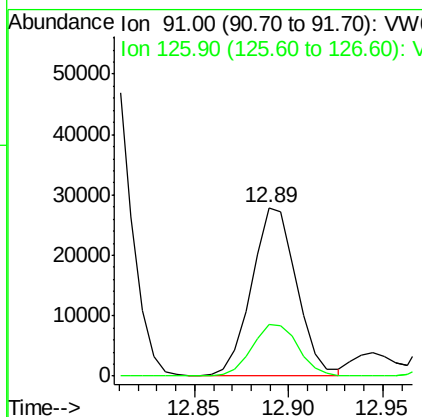
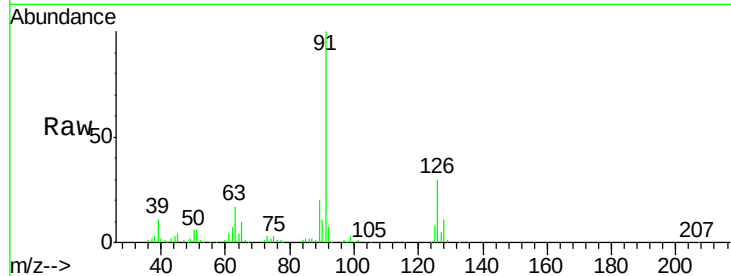
#79
 2-Chlorotoluene
 Concen: 5.187 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 91 Resp: 46037
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.8 47.3

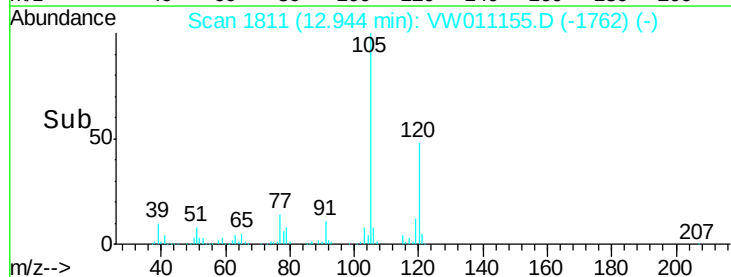
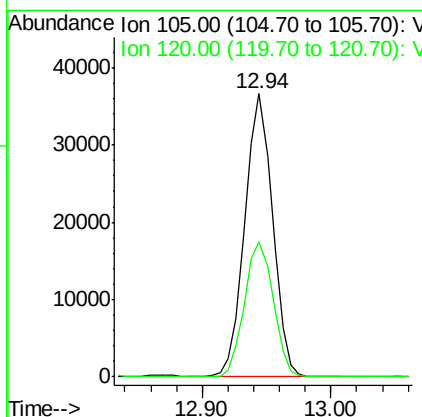
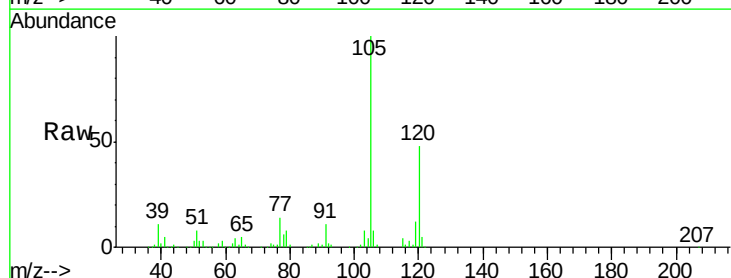
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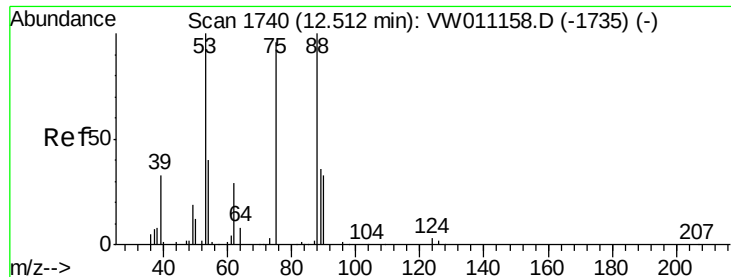
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.136 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion: 105 Resp: 54635
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.620 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Instrument :

MSVOA_W

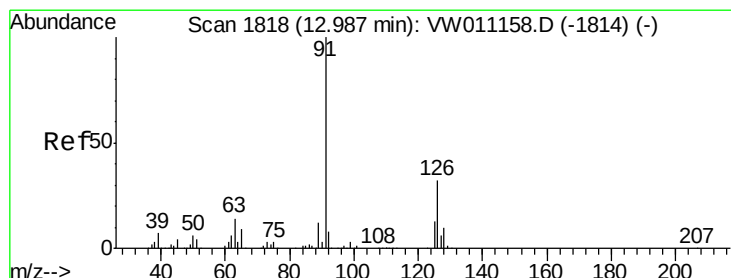
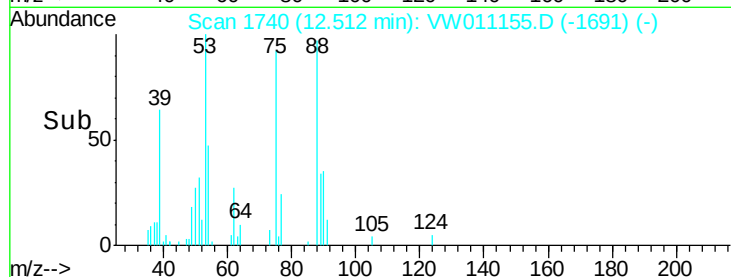
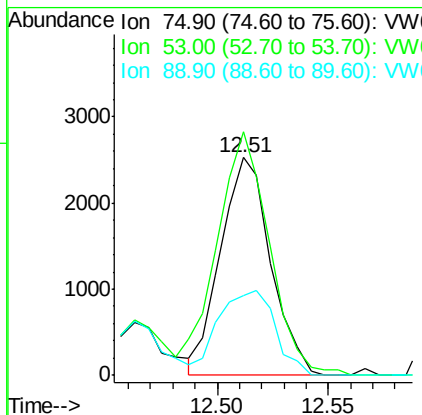
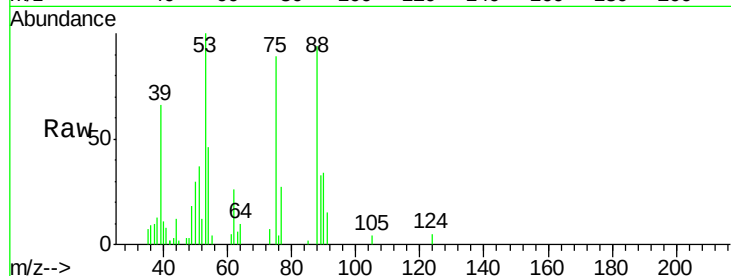
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3954
Ion	Ratio	Lower	Upper
75	100		
53	117.8	89.8	134.6
89	44.1	34.3	51.5

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#82

4-Chlorotoluene

Concen: 5.201 ug/l

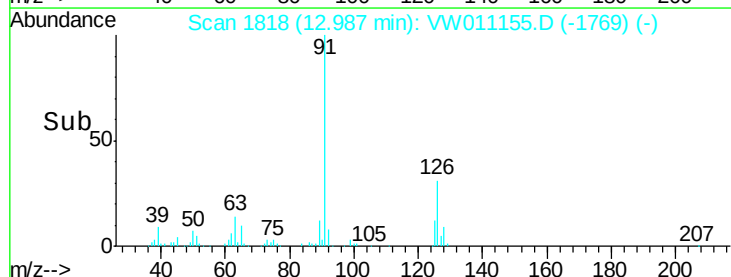
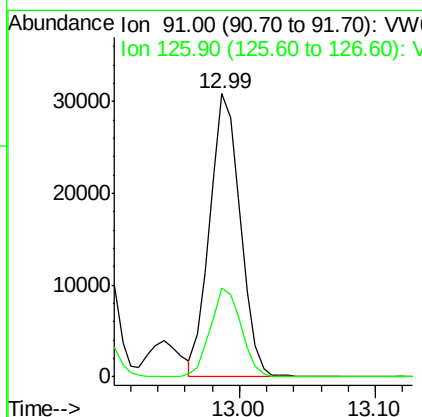
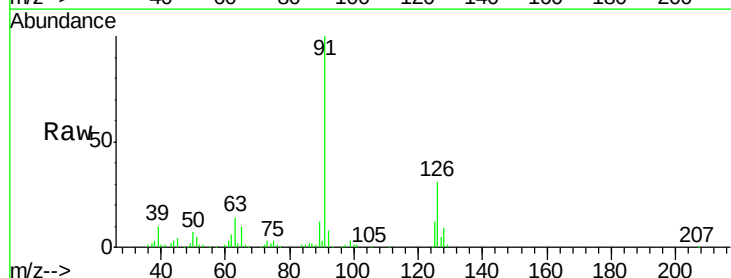
RT: 12.99 min Scan# 1818

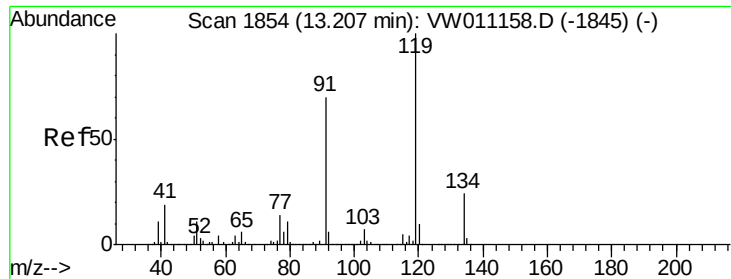
Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Tgt Ion:	91	Resp:	48083
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1





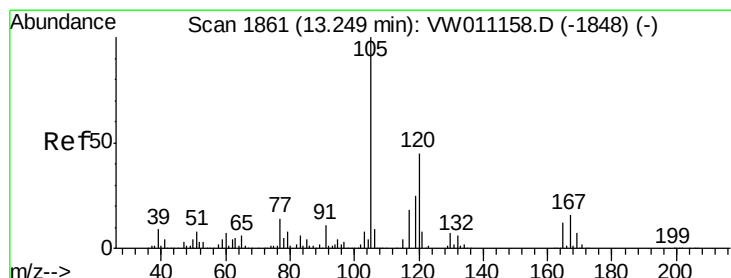
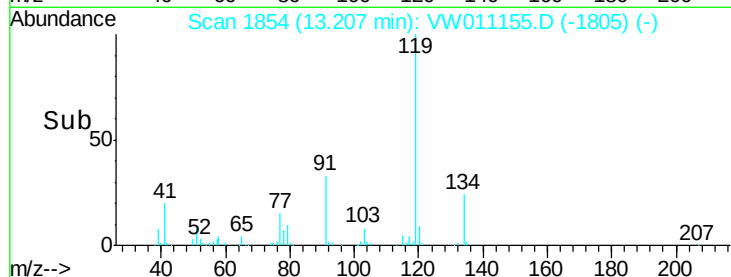
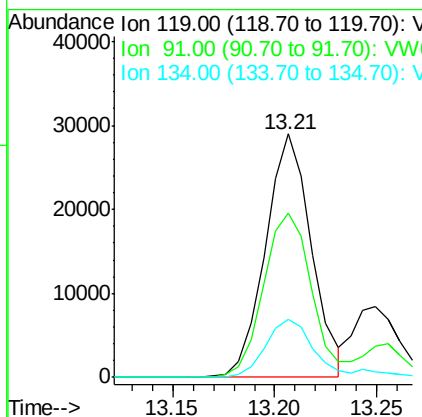
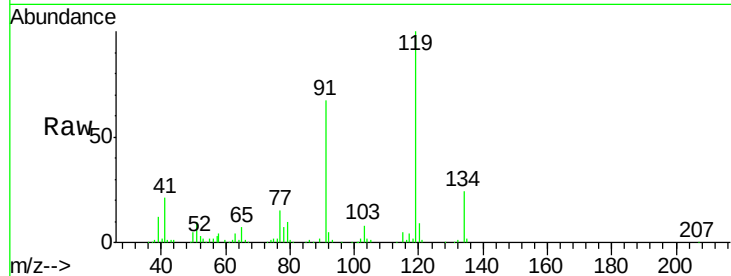
#83
tert-Butylbenzene
Concen: 5.127 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.4	35.4	106.3
134	24.6	13.4	40.2

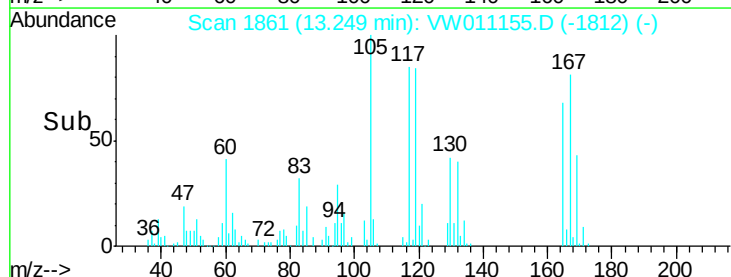
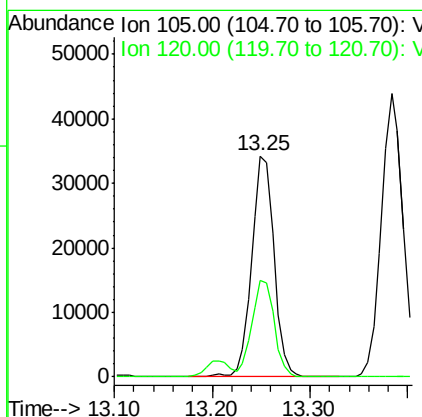
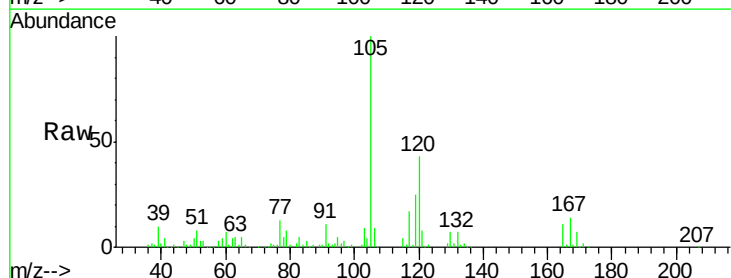
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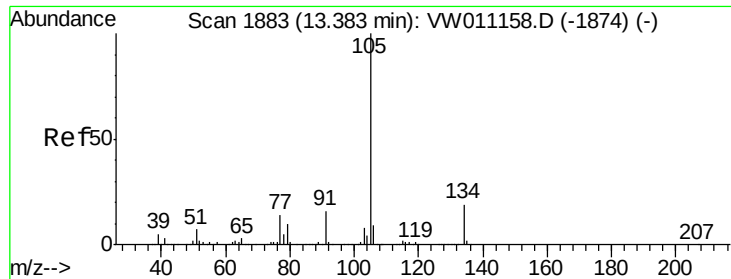
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#84
1,2,4-Trimethylbenzene
Concen: 5.102 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.3	66.9





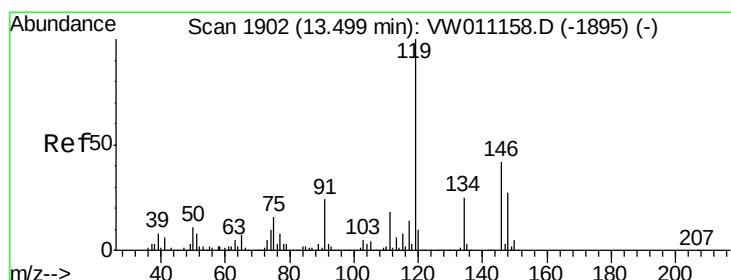
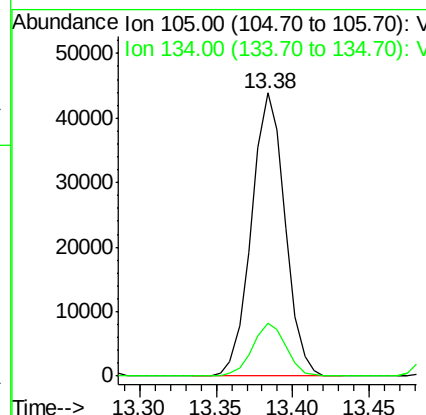
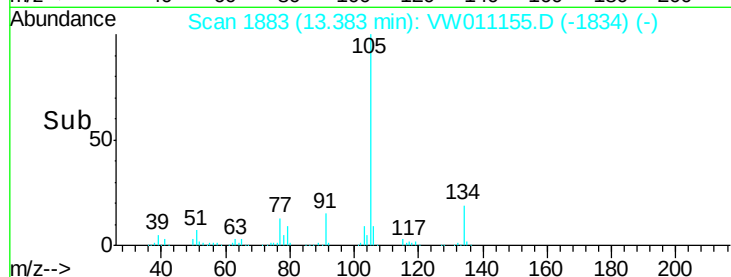
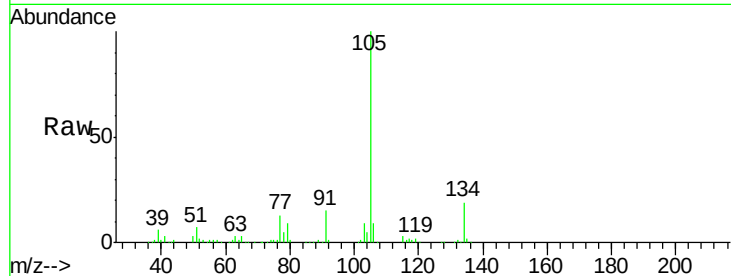
#85
 sec-Butylbenzene
 Concen: 5.246 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.7	28.9

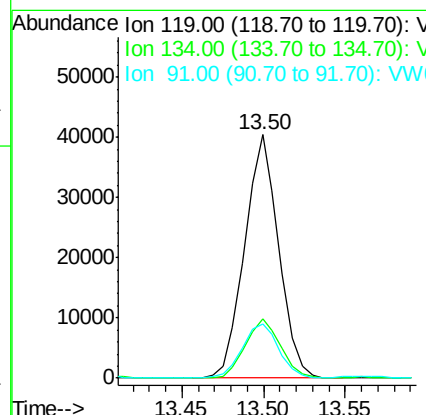
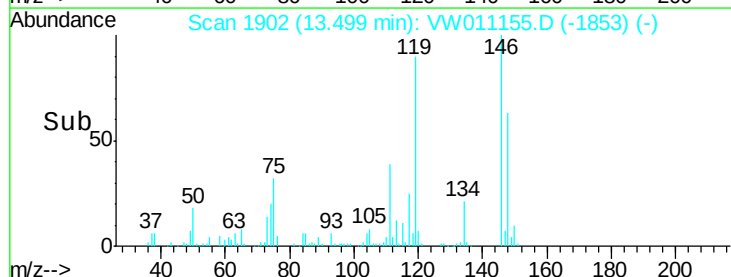
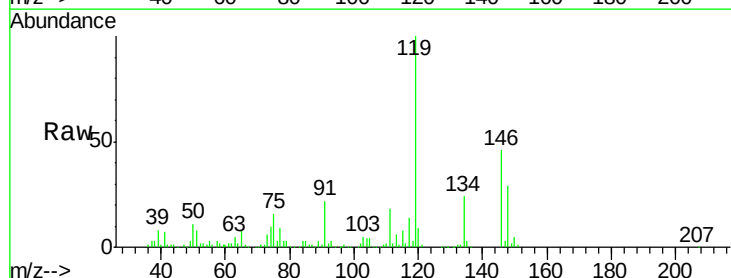
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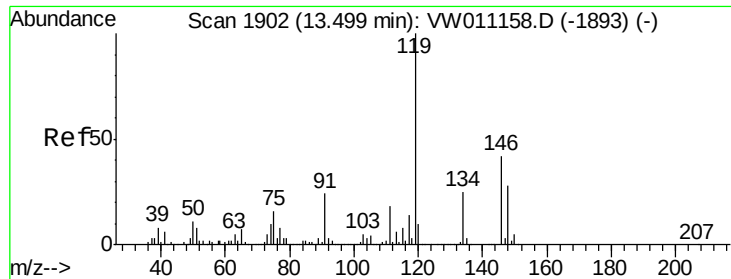
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#86
 p-Isopropyltoluene
 Concen: 5.116 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.9	38.6
91	24.2	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 5.303 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

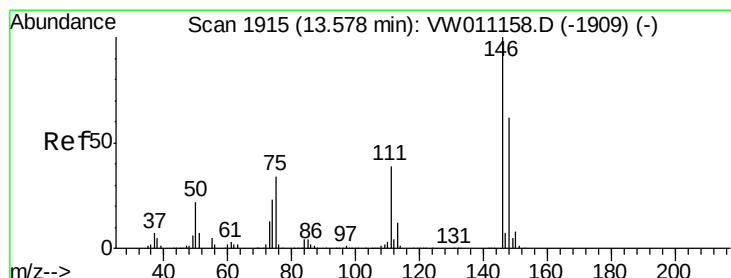
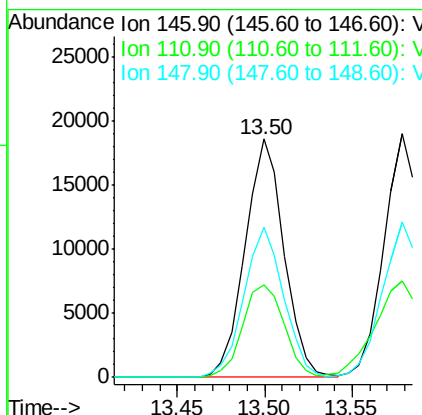
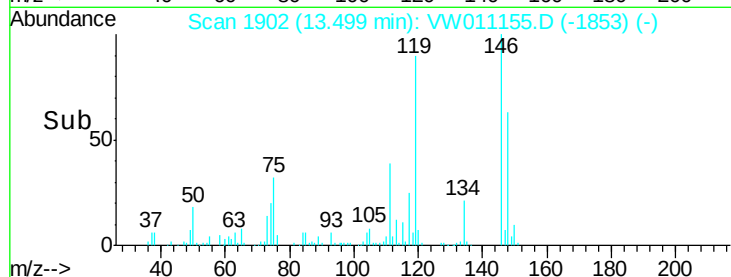
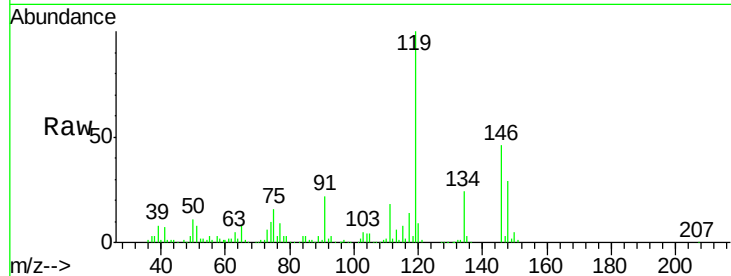
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	64.4	32.6	97.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.321 ug/l

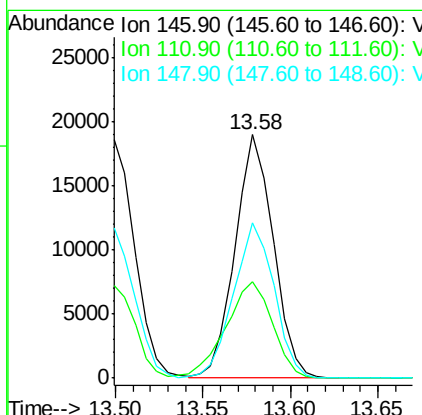
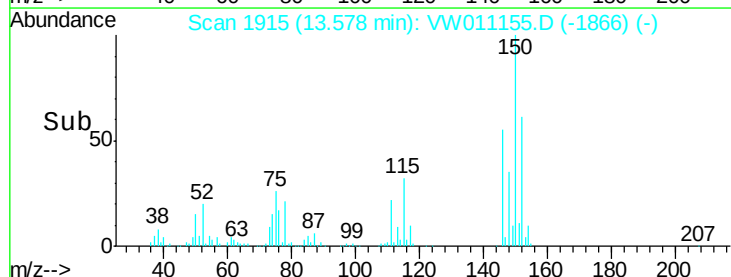
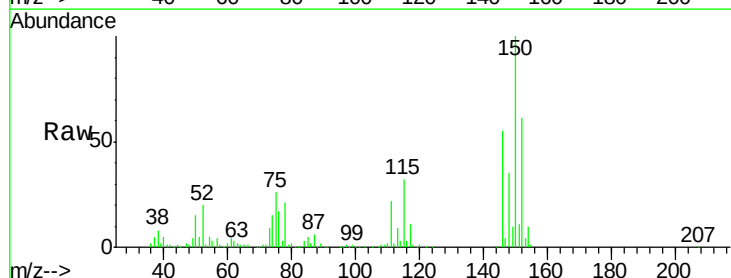
RT: 13.58 min Scan# 1915

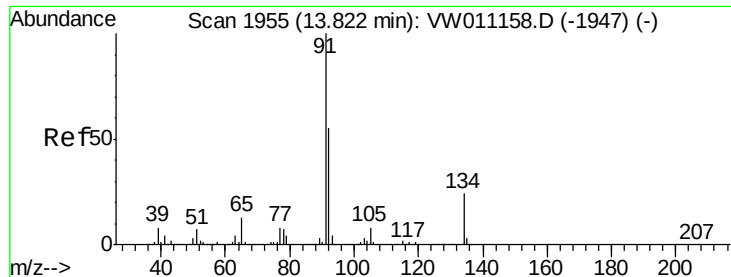
Delta R.T. 0.00 min

Lab File: VW011155.D

Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	19.9	59.7
148	67.8	31.5	94.5





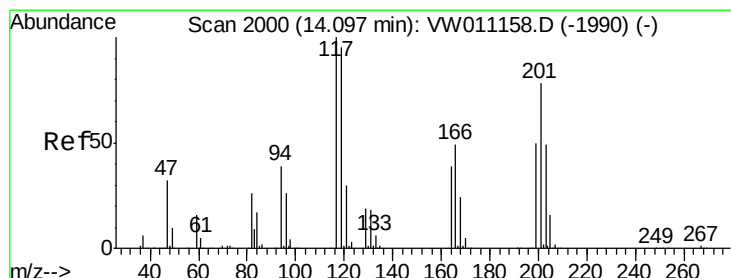
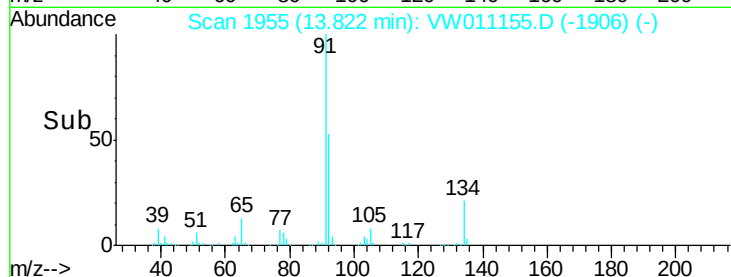
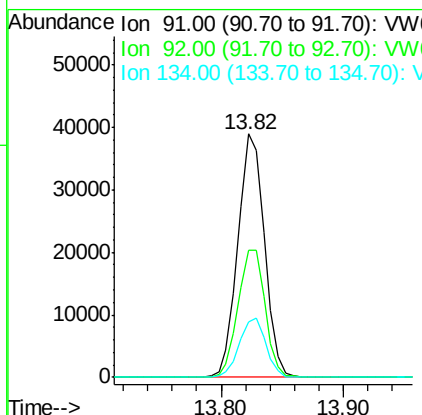
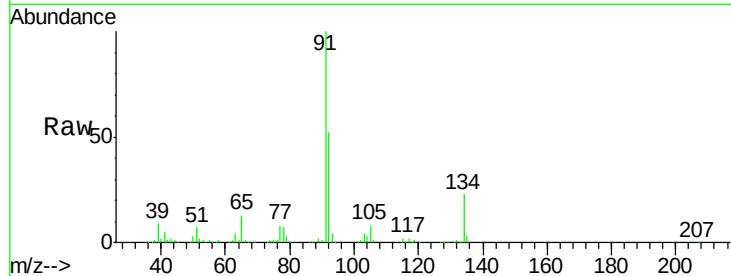
#89
n-Butylbenzene
Concen: 5.117 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.7
134	24.4	12.2	36.4

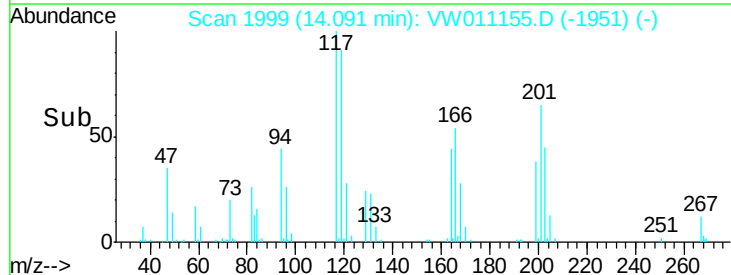
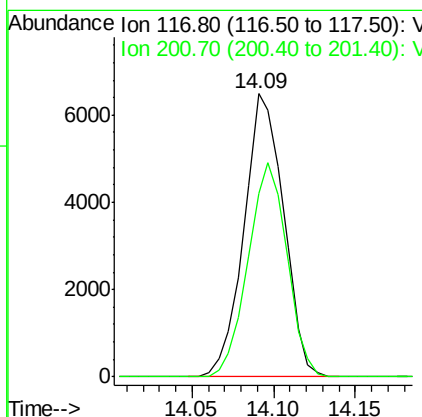
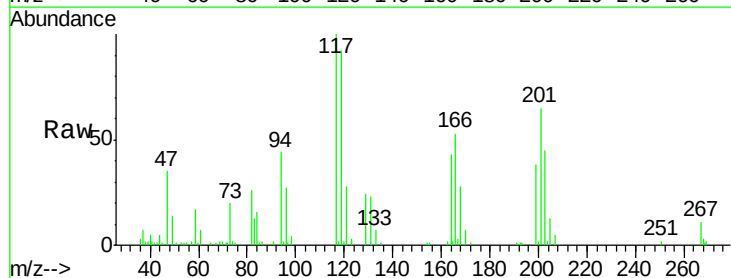
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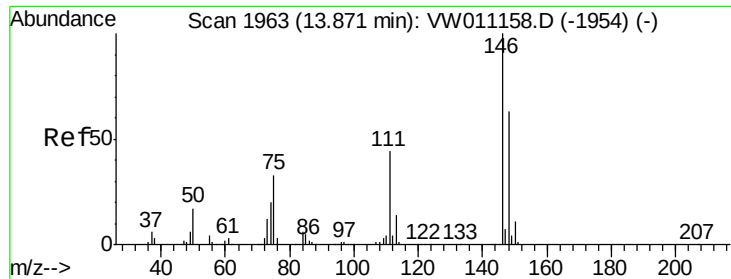
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#90
Hexachloroethane
Concen: 5.238 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	38.3	114.8





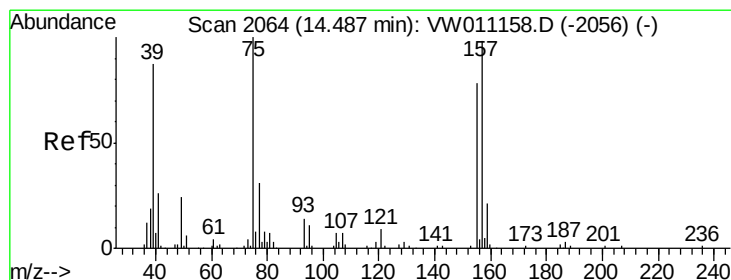
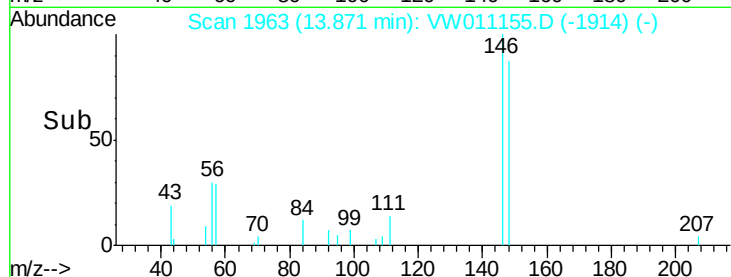
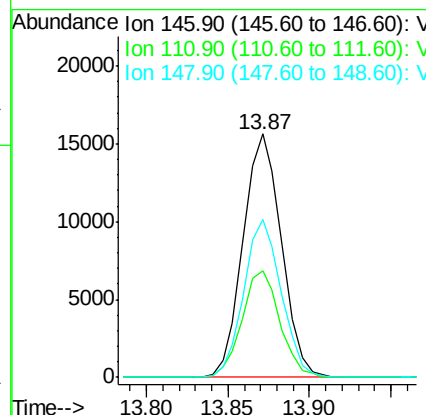
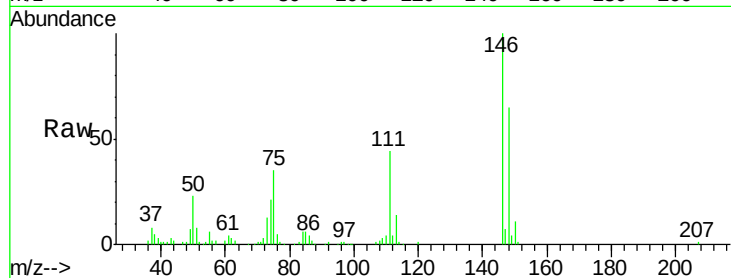
#91
 1,2-Dichlorobenzene
 Concen: 5.213 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.2	31.9	95.5

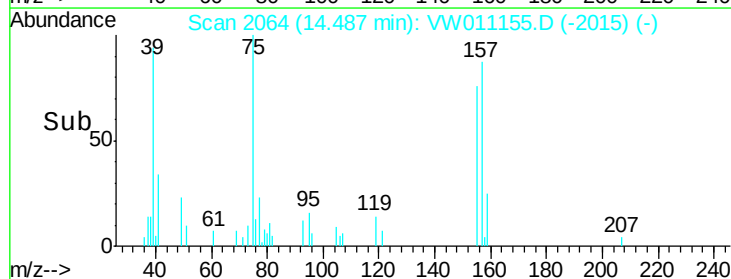
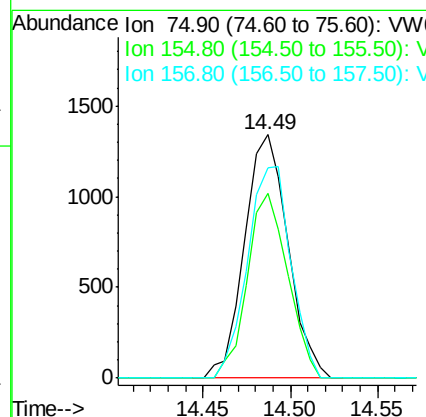
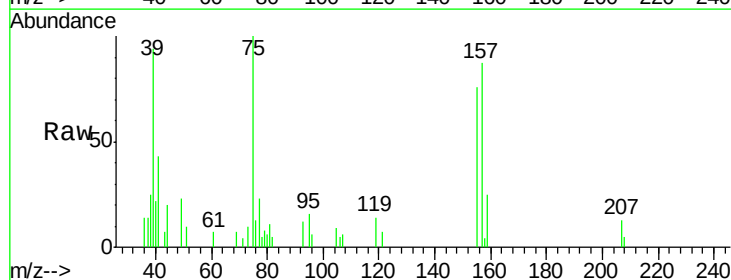
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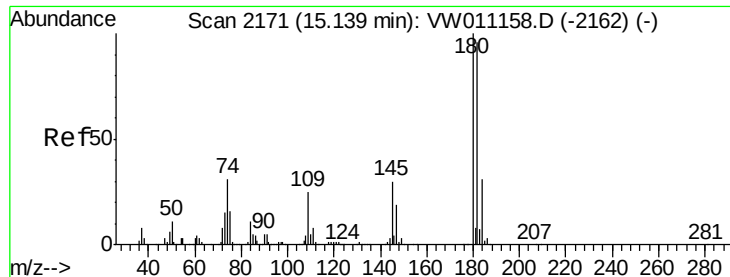
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.103 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011155.D
 Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.3	37.1	111.3
157	86.6	48.5	145.6





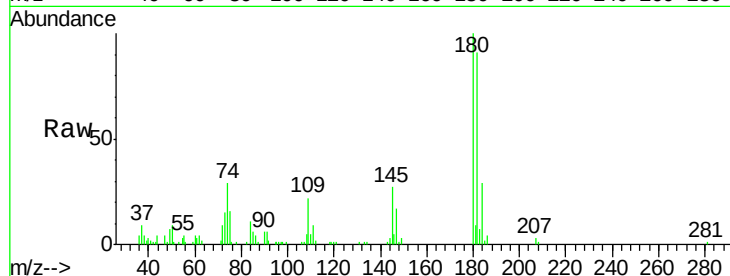
#93
1,2,4-Trichlorobenzene
Concen: 4.869 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

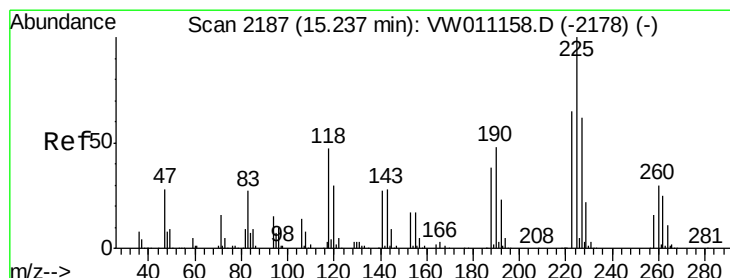
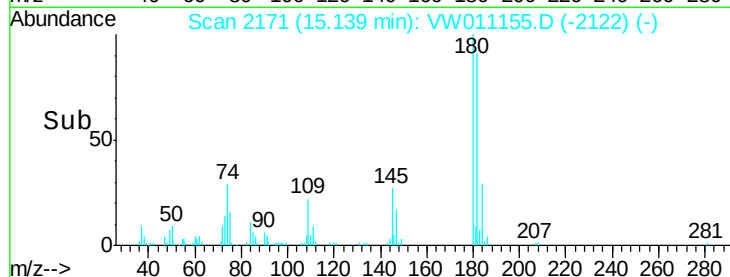
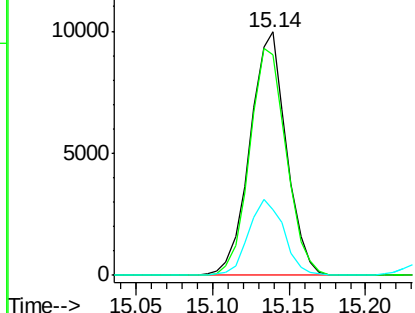
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.3	144.9
145	30.4	15.5	46.5

Manual Integrations
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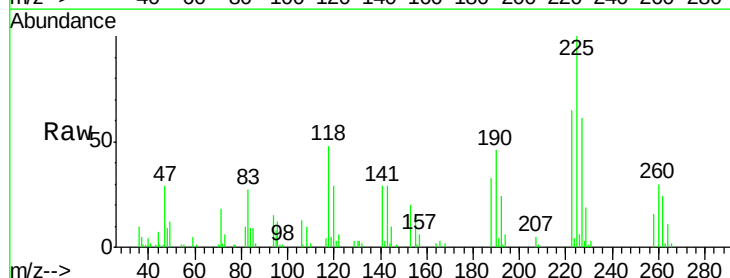


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

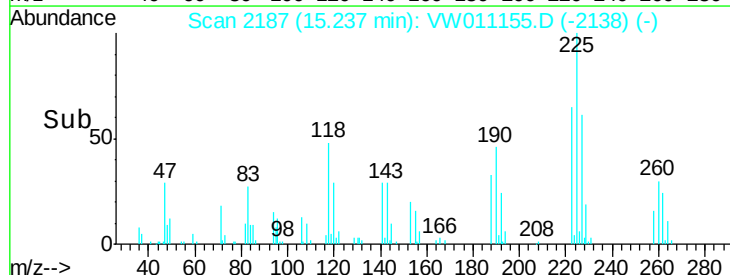
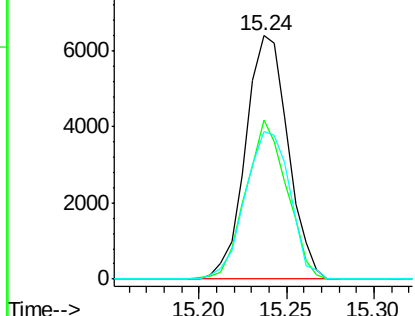


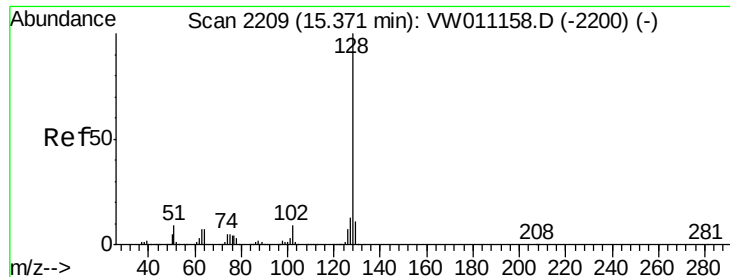
#94
Hexachlorobutadiene
Concen: 5.212 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	95.0
227	64.3	32.0	96.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





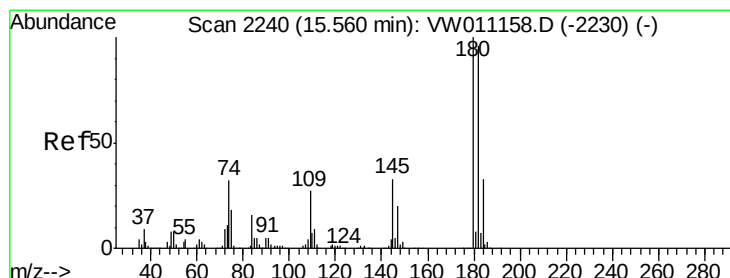
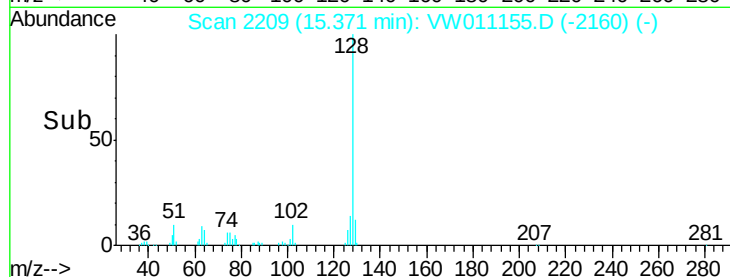
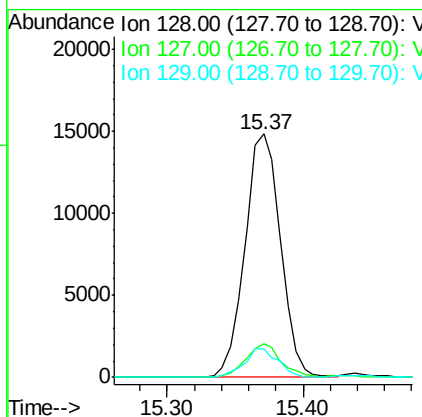
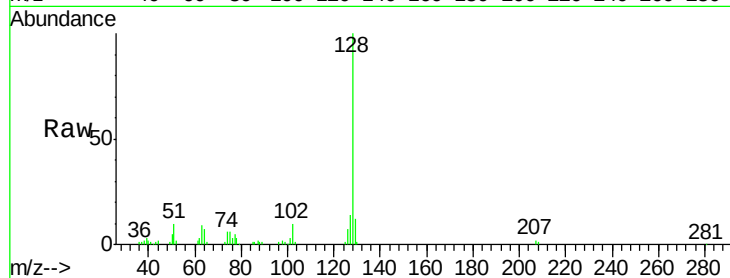
#95
Naphthalene
Concen: 4.208 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/9/2019 4:12:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.668 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011155.D
Acq: 08 Jul 2019 10:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	47.6	142.8
145	32.3	16.5	49.5

