

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111219\
 Data File : VW013975.D
 Acq On : 12 Nov 2019 15:11
 Operator : SY/VA
 Sample : VW1112SBS01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:33:21 AM

Quant Time: Nov 13 07:07:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	259902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	374030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	163886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	99813	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.88	113	100531	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	10.32	98	415651	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.62	95	140959	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32902	24.029	ug/l	94
3) Chloromethane	2.21	50	30446	20.690	ug/l	95
4) Vinyl Chloride	2.36	62	50571	22.756	ug/l	97
5) Bromomethane	2.77	94	32349	22.133	ug/l	100
6) Chloroethane	2.92	64	28988	21.557	ug/l	91
7) Trichlorofluoromethane	3.25	101	26215	18.886	ug/l	93
8) Diethyl Ether	3.67	74	24149	21.534	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50231	22.260	ug/l	97
10) Methyl Iodide	4.27	142	79882	21.724	ug/l	99
11) Tert butyl alcohol	5.16	59	17062	146.591	ug/l	96
12) 1,1-Dichloroethene	4.04	96	50267	21.565	ug/l	96
13) Acrolein	3.89	56	11095	83.204	ug/l	91
14) Allyl chloride	4.66	41	75757	21.136	ug/l	100
15) Acrylonitrile	5.35	53	49806	109.222	ug/l	97
16) Acetone	4.12	43	44510	107.669	ug/l	95
17) Carbon Disulfide	4.38	76	145312	21.707	ug/l	100
18) Methyl Acetate	4.67	43	28746	25.367	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	59373	21.226	ug/l	97
20) Methylene Chloride	4.92	84	56996	22.442	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	54559	21.747	ug/l	96
22) Diisopropyl ether	6.31	45	141326	21.616	ug/l	97
23) Vinyl Acetate	6.25	43	401473	105.830	ug/l	98
24) 1,1-Dichloroethane	6.21	63	87956	21.242	ug/l	99
25) 2-Butanone	7.16	43	68292	114.905	ug/l	94
26) 2,2-Dichloropropane	7.16	77	53141	22.195	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	57706	21.656	ug/l	97
28) Bromochloromethane	7.51	49	23560	16.883	ug/l #	95
29) Tetrahydrofuran	7.52	42	43153	117.278	ug/l	98
30) Chloroform	7.67	83	90416	22.089	ug/l	97
31) Cyclohexane	7.95	56	88244	20.365	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	70377	21.910	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74035	21.254	ug/l	98
37) Ethyl Acetate	7.25	43	28979	21.733	ug/l	98
38) Carbon Tetrachloride	8.07	117	66603	21.233	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90583	20.137	ug/l	97
40) Benzene	8.32	78	212456	21.552	ug/l	98
41) Methacrylonitrile	7.48	41	15717	18.902	ug/l	93
42) 1,2-Dichloroethane	8.40	62	53303	21.457	ug/l	99
43) Isopropyl Acetate	8.42	43	55808	21.865	ug/l	99
44) Trichloroethene	9.09	130	59974	21.239	ug/l	97
45) 1,2-Dichloropropane	9.37	63	50068	21.264	ug/l	93
46) Dibromomethane	9.46	93	24699	21.612	ug/l	99
47) Bromodichloromethane	9.64	83	63140	21.353	ug/l	94
48) Methyl methacrylate	9.43	41	27667	21.859	ug/l	99
49) 1,4-Dioxane	9.44	88	9306	551.049	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	139318	109.845	ug/l	100
52) Toluene	10.38	92	133497	20.994	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	62693	20.943	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	77389	20.954	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	36775	21.591	ug/l	97
56) Ethyl methacrylate	10.65	69	45665	21.429	ug/l	99
57) 1,3-Dichloropropane	10.93	76	61441	21.021	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	98027	99.952	ug/l	98
59) 2-Hexanone	10.96	43	94006	107.513	ug/l	99
60) Dibromochloromethane	11.13	129	42733	21.131	ug/l	99
61) 1,2-Dibromoethane	11.23	107	34370	21.330	ug/l	99
64) Tetrachloroethene	10.86	164	51262	20.844	ug/l	97
65) Chlorobenzene	11.66	112	137982	20.861	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47838	20.723	ug/l	99
67) Ethyl Benzene	11.73	91	251663	21.100	ug/l	98
68) m/p-Xylenes	11.84	106	196767	42.701	ug/l	99
69) o-Xylene	12.16	106	89689	21.175	ug/l	100
70) Styrene	12.18	104	152512	20.957	ug/l	99
71) Bromoform	12.35	173	24534	20.252	ug/l #	99
73) Isopropylbenzene	12.46	105	250963	21.324	ug/l	100
74) N-amyl acetate	12.27	43	49318	21.662	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	40070	21.575	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	30279m	25.727	ug/l	
77) Bromobenzene	12.74	156	59055	21.005	ug/l	98
78) n-propylbenzene	12.80	91	290855	21.352	ug/l	99
79) 2-Chlorotoluene	12.89	91	164187	21.448	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	211824	21.321	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12959	20.809	ug/l	96
82) 4-Chlorotoluene	12.99	91	173179	21.548	ug/l	100
83) tert-Butylbenzene	13.21	119	184674	20.941	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	208321	21.256	ug/l	99
85) sec-Butylbenzene	13.38	105	254635	21.115	ug/l	99
86) p-Isopropyltoluene	13.50	119	238095	21.195	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	115583	21.218	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	114149	21.093	ug/l	98
89) n-Butylbenzene	13.82	91	208170	20.530	ug/l	99
90) Hexachloroethane	14.09	117	39916	20.443	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	100530	21.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5824	20.738	ug/l	96

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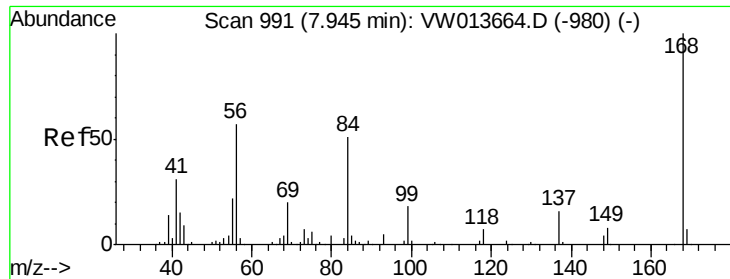
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65562	19.073	ug/l	99
94) Hexachlorobutadiene	15.24	225	47024	20.264	ug/l	98
95) Naphthalene	15.36	128	99481	18.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	55328	18.680	ug/l	98

(#) = 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: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampled :

VW1112SBS01

Tot Ion:168 Resp: 259902

Ion Ratio Lower Upper

168 100

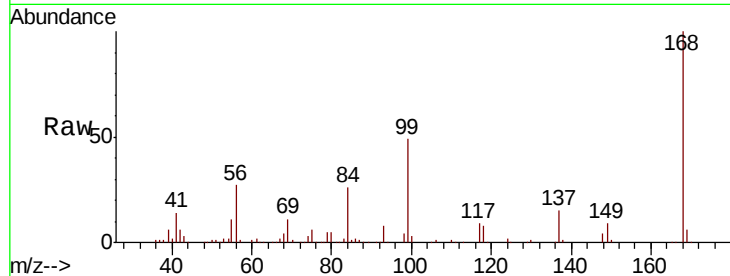
99 49.2 39.0 58.6

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

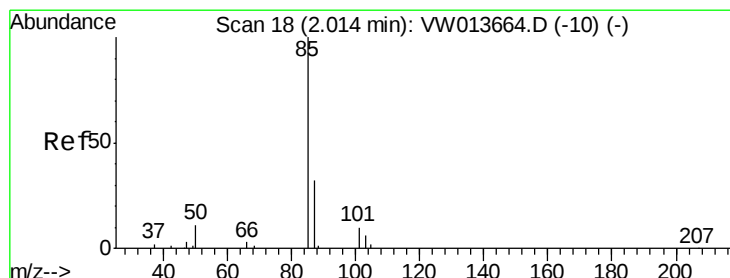
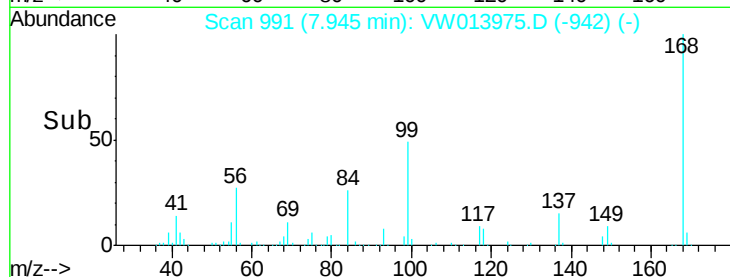
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.029 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013975.D

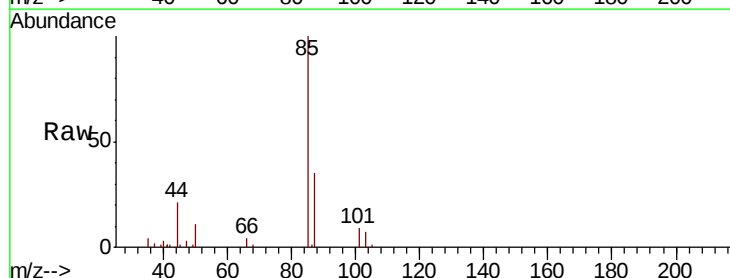
Acq: 12 Nov 2019 15:11

Tgt Ion: 85 Resp: 32902

Ion Ratio Lower Upper

85 100

87 35.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

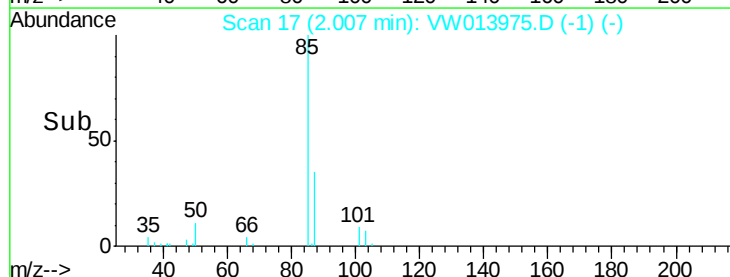
2.01

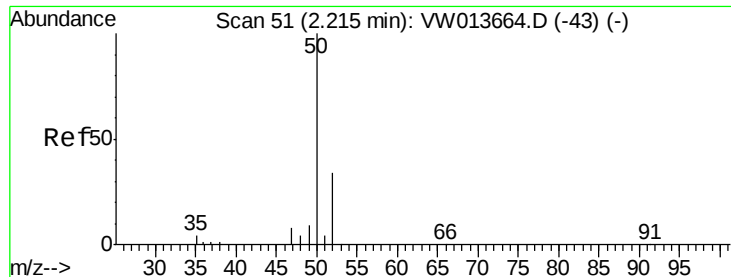
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 20.690 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 50 Resp: 30446

Ion Ratio Lower Upper

50 100

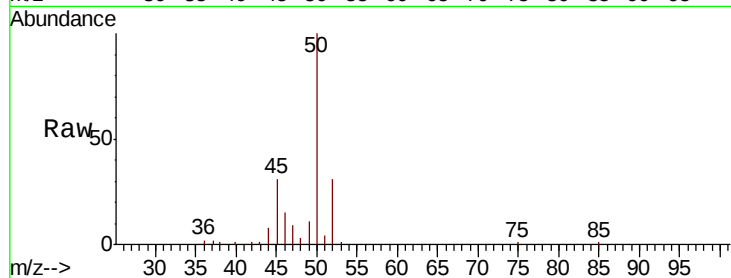
52 30.6 26.9 40.3

Manual Integrations

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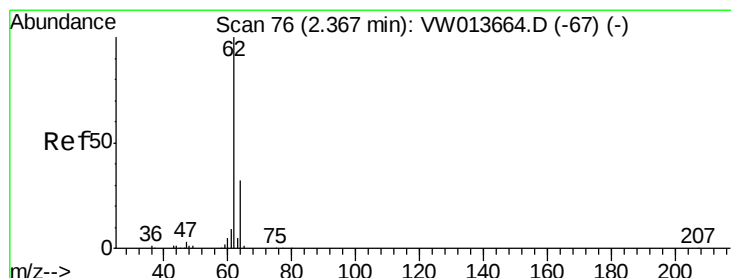
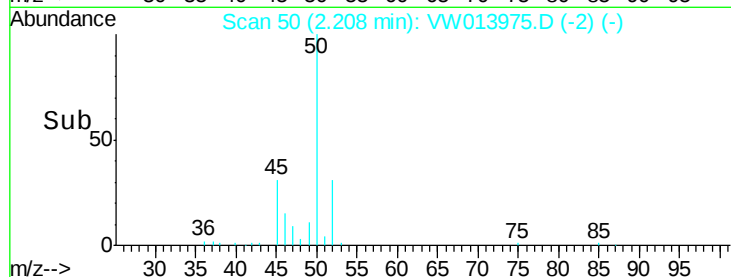
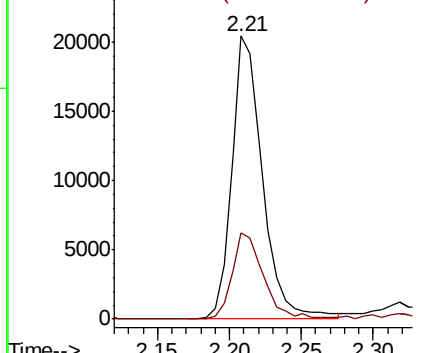
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 22.756 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013975.D

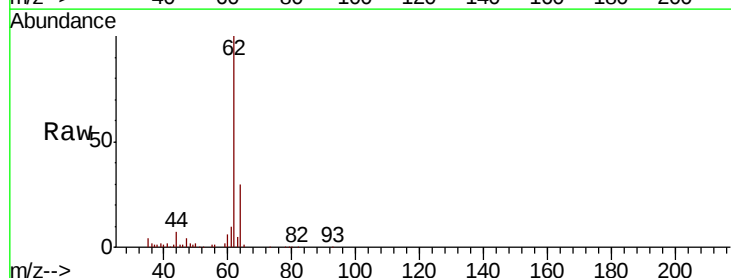
Acq: 12 Nov 2019 15:11

Tgt Ion: 62 Resp: 50571

Ion Ratio Lower Upper

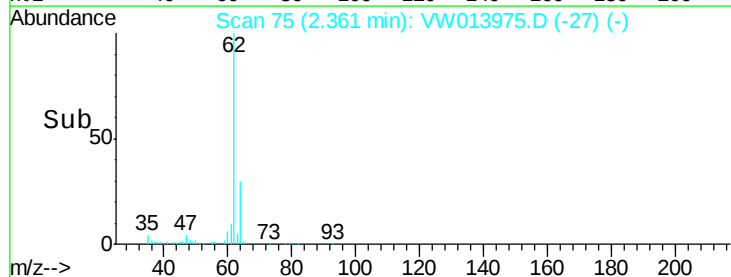
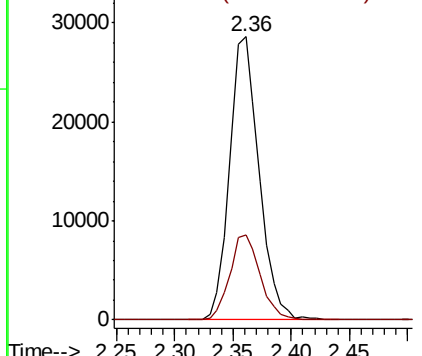
62 100

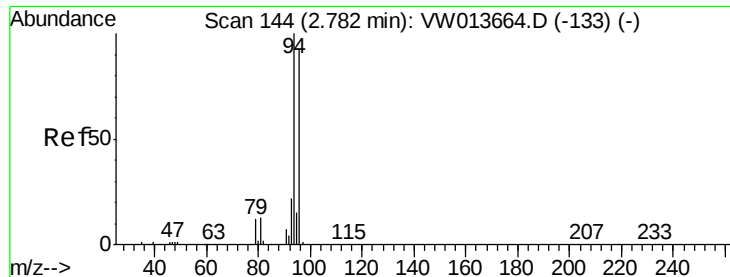
64 30.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 22.133 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 94 Resp: 32349

Ion Ratio Lower Upper

94 100

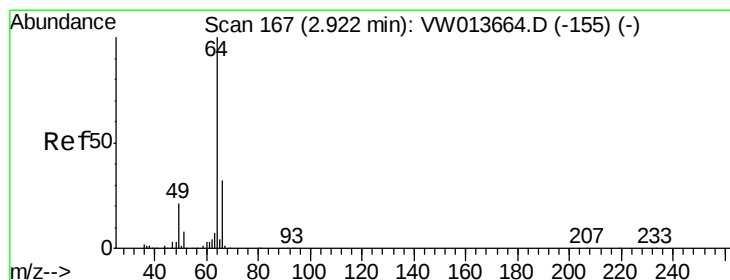
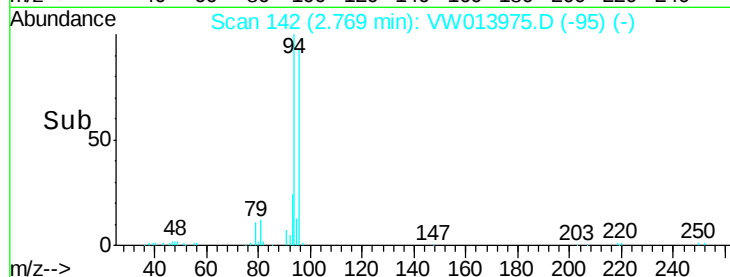
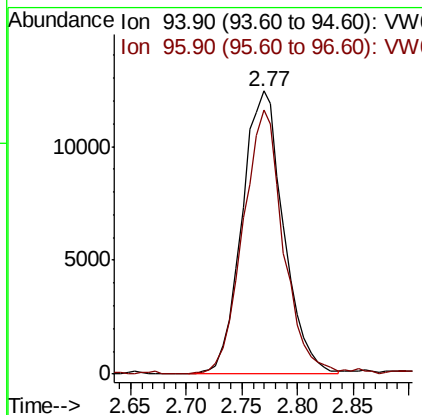
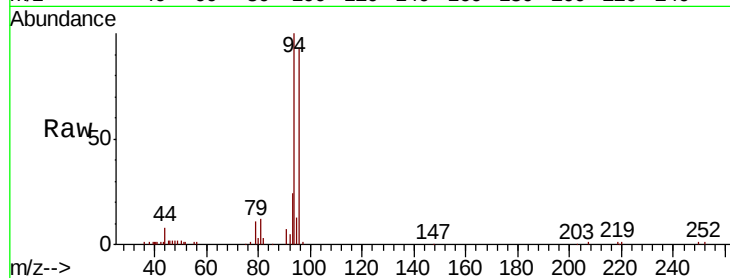
96 93.4 74.6 112.0

Manual Integrations

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11/13/2019 9:33:21 AM



#6

Chloroethane

Concen: 21.557 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013975.D

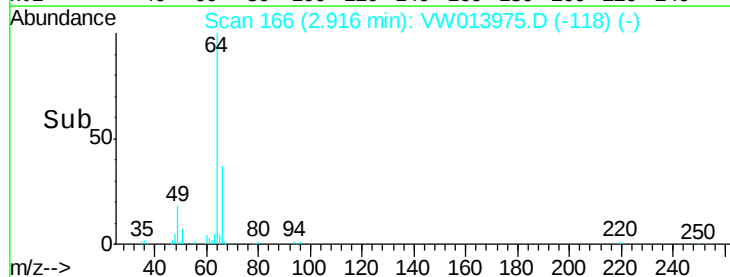
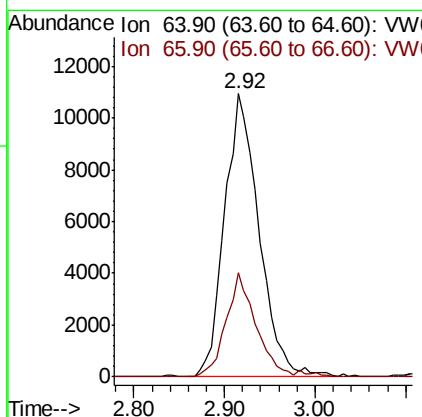
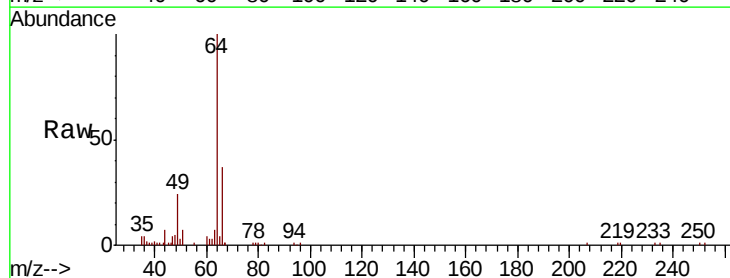
Acq: 12 Nov 2019 15:11

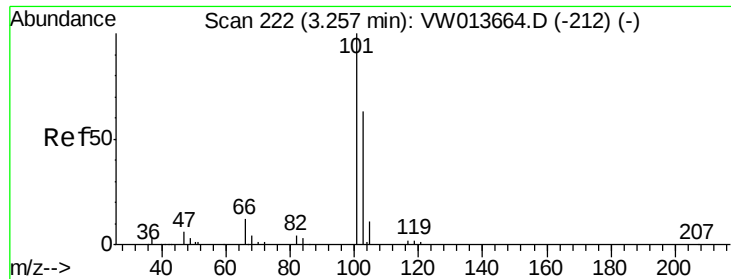
Tgt Ion: 64 Resp: 28988

Ion Ratio Lower Upper

64 100

66 36.8 25.4 38.0





#7

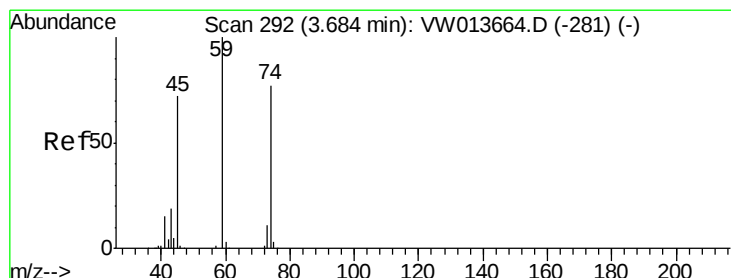
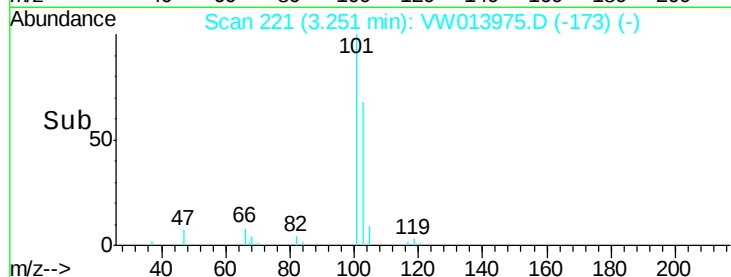
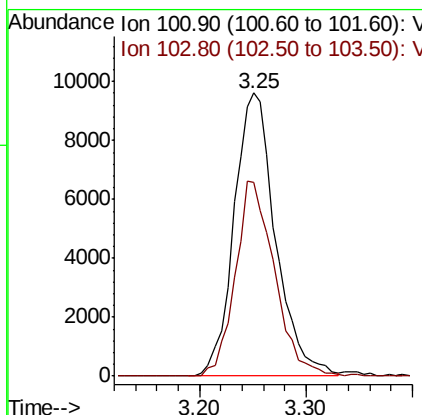
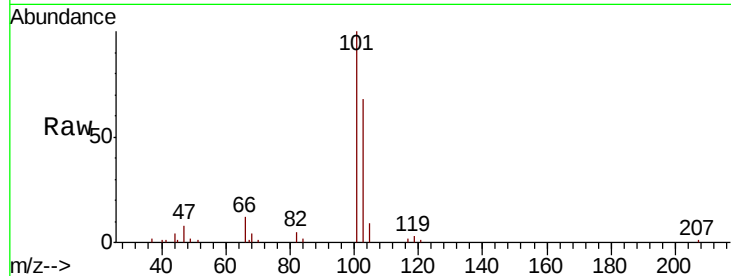
Trichlorofluoromethane
Concen: 18.886 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
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ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.4	50.6	76.0

Manual Integrations
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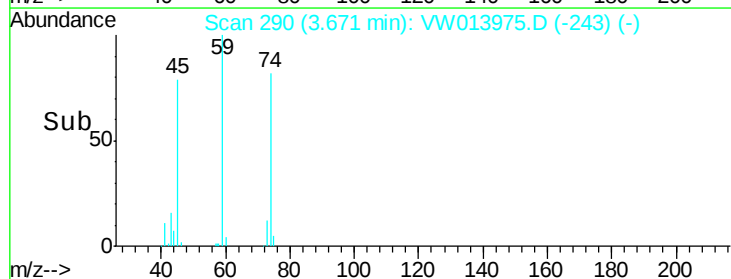
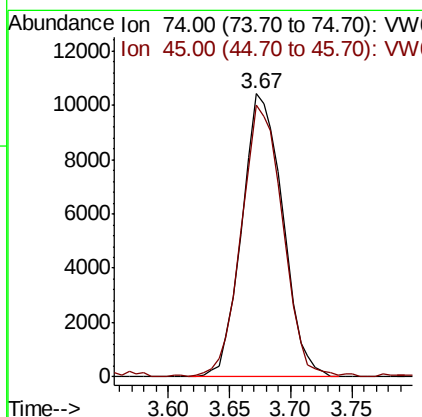
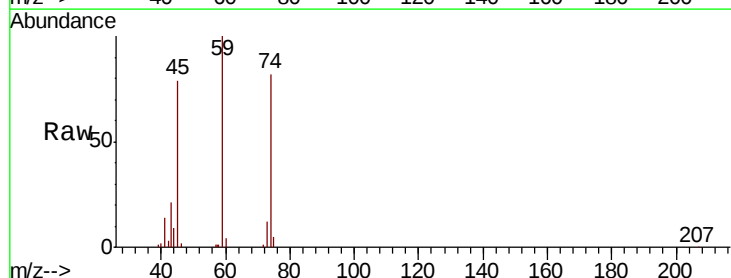
MMDadoda
11/13/2019 9:33:21 AM

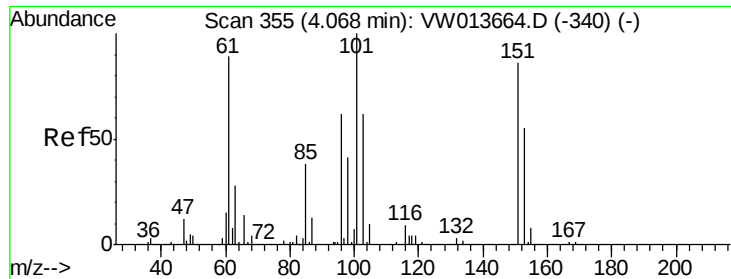


#8

Diethyl Ether
Concen: 21.534 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.260 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013975.D

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Instrument :

MSVOA_W

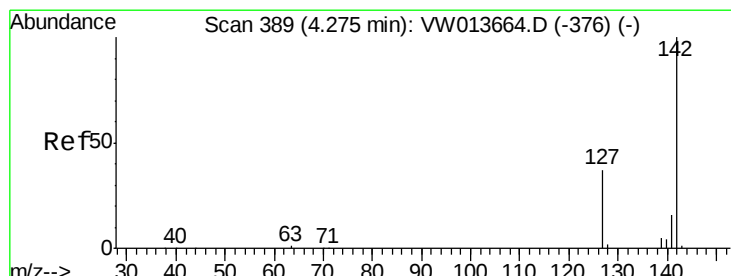
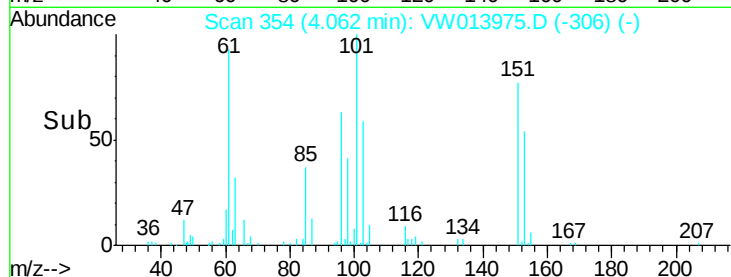
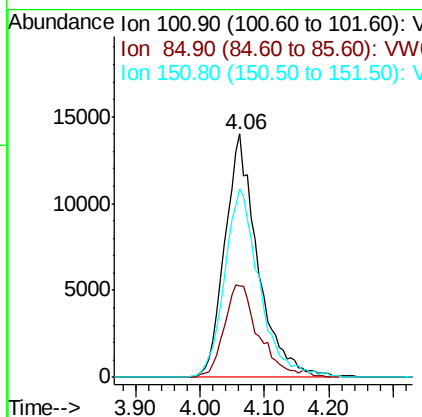
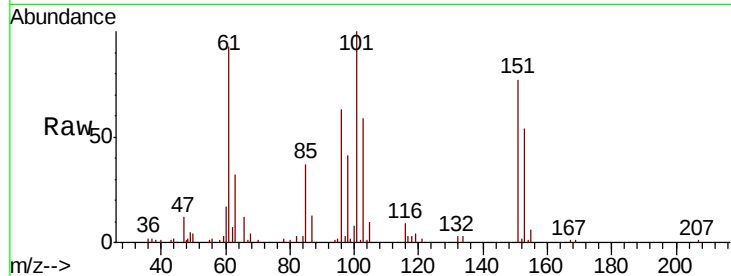
ClientSampleId :

VW1112SBS01

Tot Ion:	101	Resp:	50231
Ion Ratio	Lower	Upper	
101	100		
85	39.3	31.0	46.6
151	81.8	68.2	102.4

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#10

Methyl Iodide

Concen: 21.724 ug/l

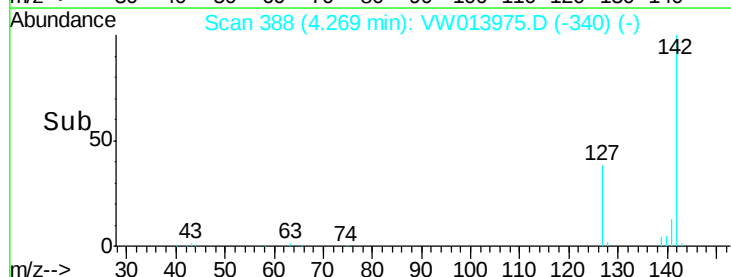
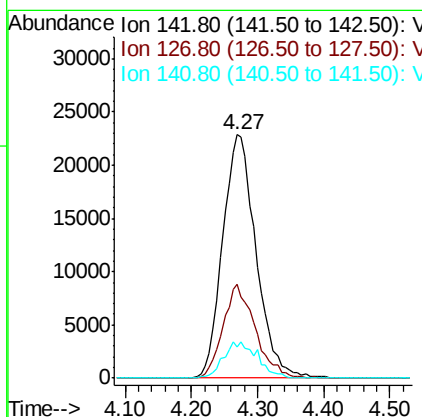
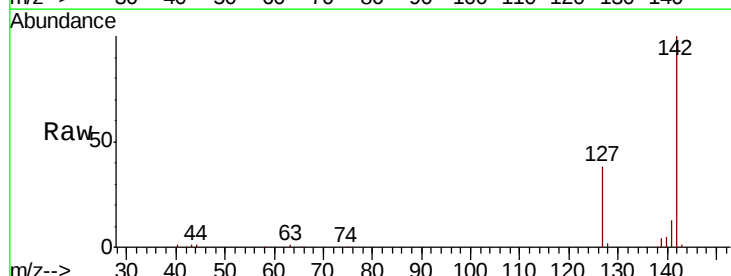
RT: 4.27 min Scan# 388

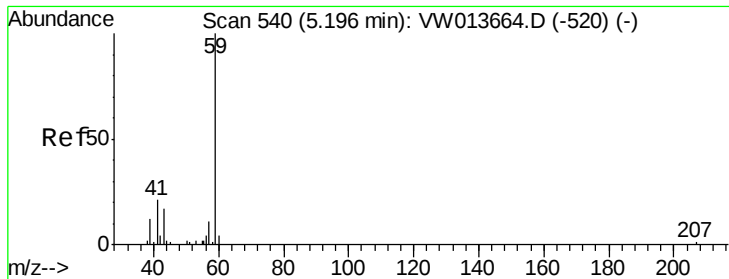
Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Tgt Ion:	142	Resp:	79882
Ion Ratio	Lower	Upper	
142	100		
127	37.2	30.3	45.5
141	15.2	11.8	17.8





#11

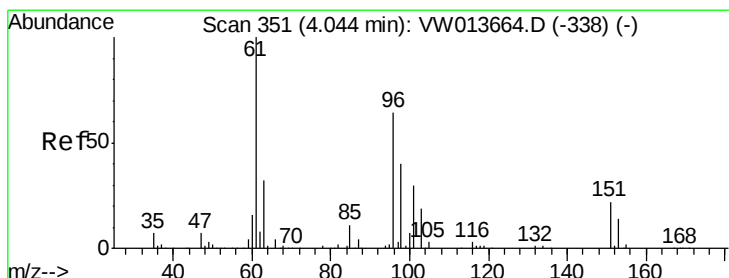
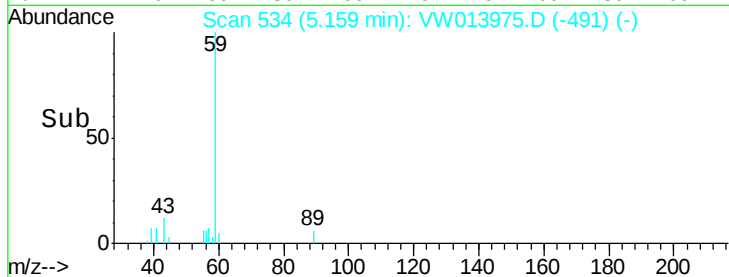
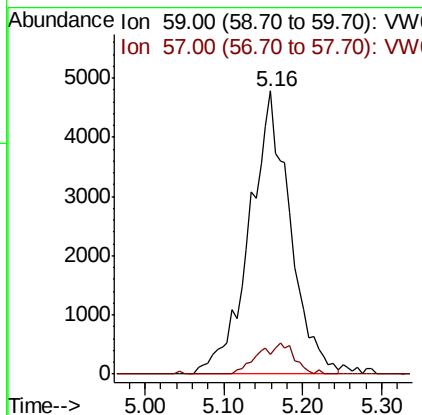
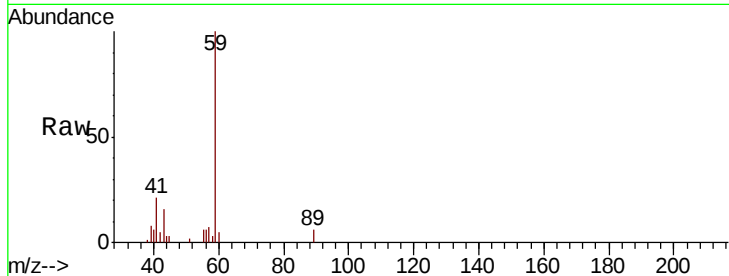
Tert butyl alcohol
Concen: 146.591 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.8	13.2

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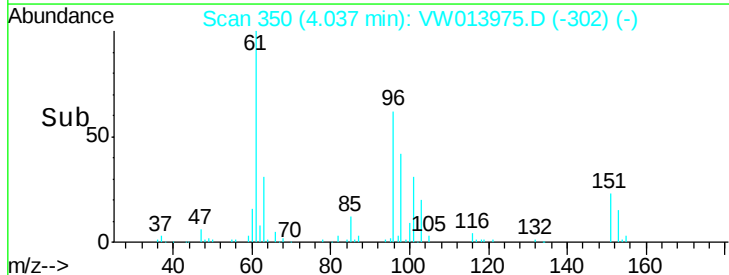
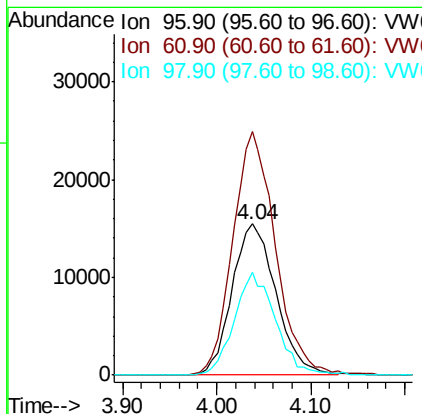
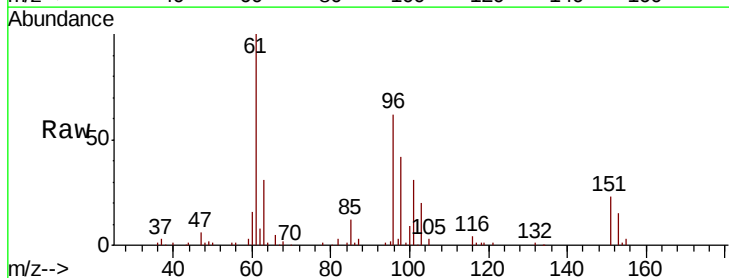
MMDadoda
11/13/2019 9:33:21 AM

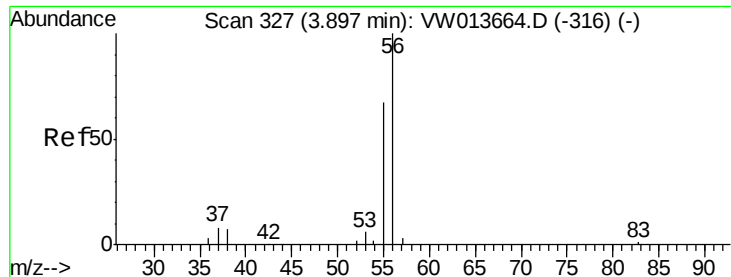


#12

1,1-Dichloroethene
Concen: 21.565 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	125.0	187.6
98	68.2	50.3	75.5





#13

Acrolein

Concen: 83.204 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 56 Resp: 11095

Ion Ratio Lower Upper

56 100

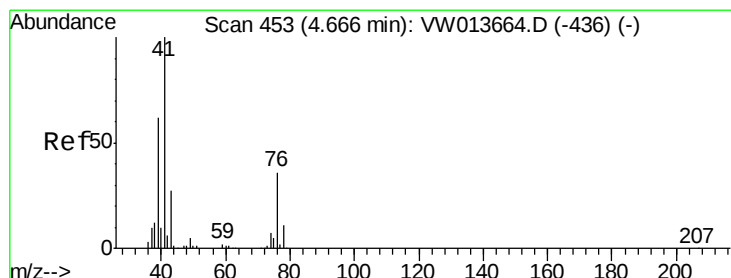
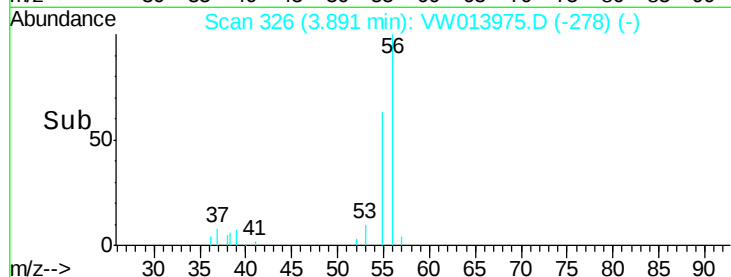
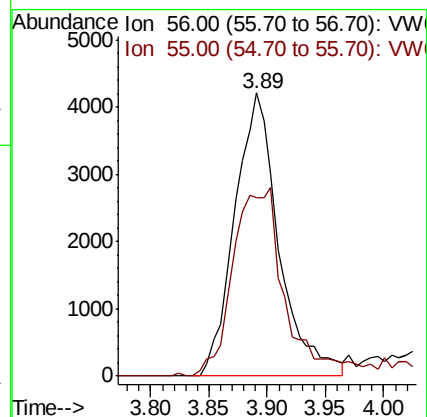
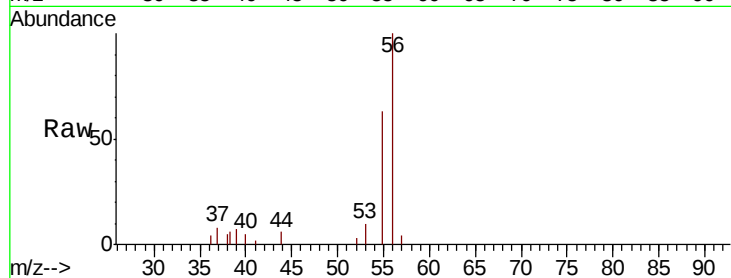
55 77.8 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.136 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

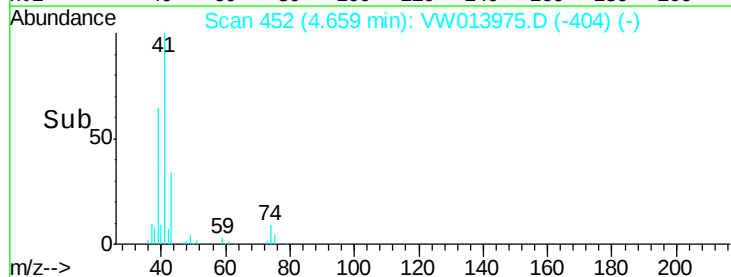
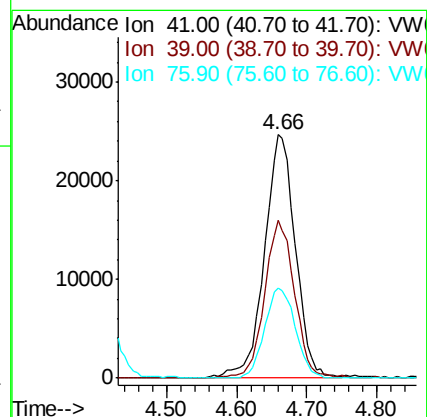
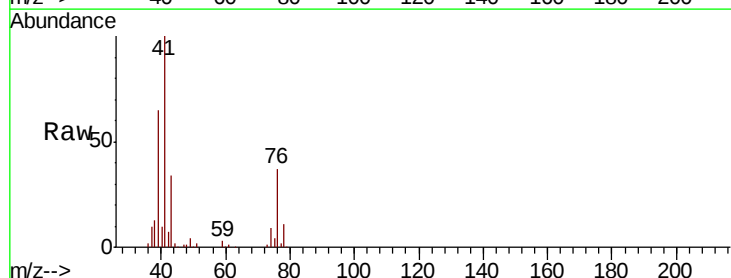
Tgt Ion: 41 Resp: 75757

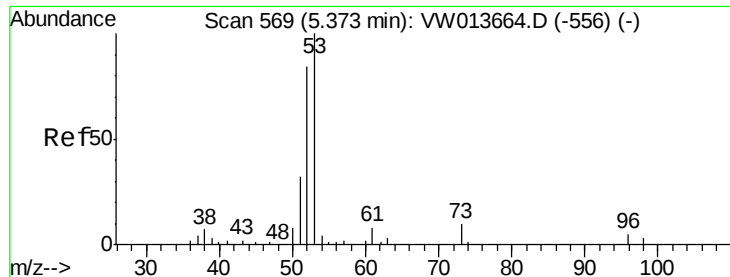
Ion Ratio Lower Upper

41 100

39 62.8 50.0 75.0

76 36.7 29.6 44.4





#15

Acrylonitrile

Concen: 109.222 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.02 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

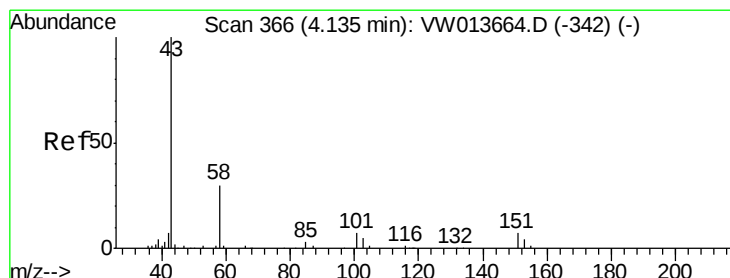
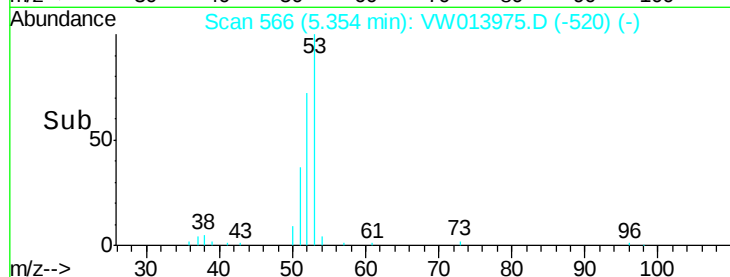
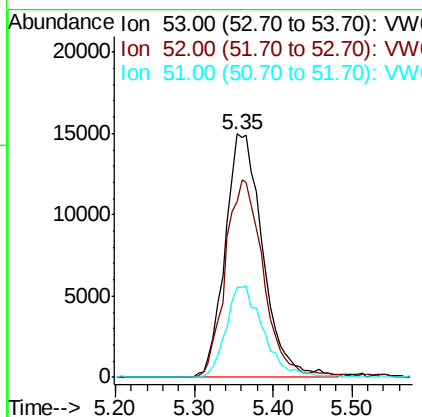
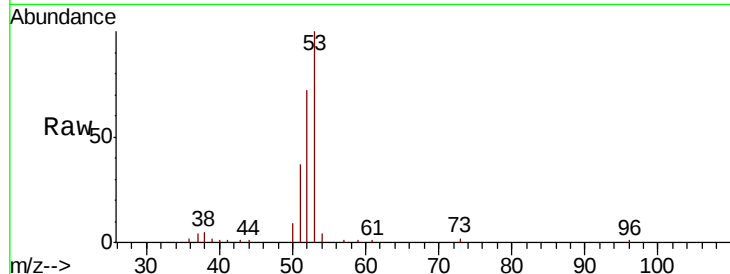
ClientSampleId :

VW1112SBS01

Tot Ion:	53	Resp:	49806
Ion	Ratio	Lower	Upper
53	100		
52	80.6	67.4	101.0
51	36.9	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 107.669 ug/l

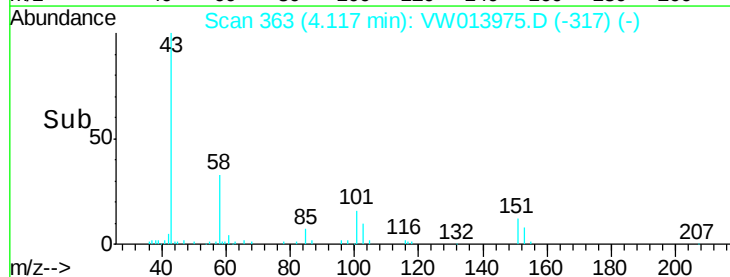
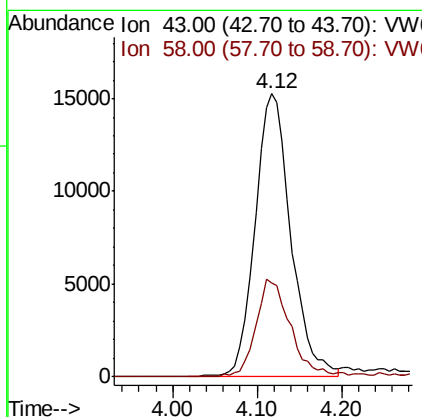
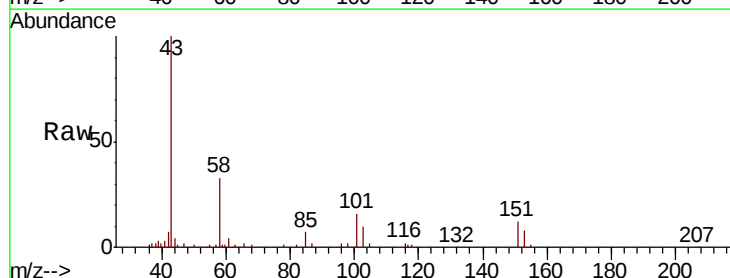
RT: 4.12 min Scan# 363

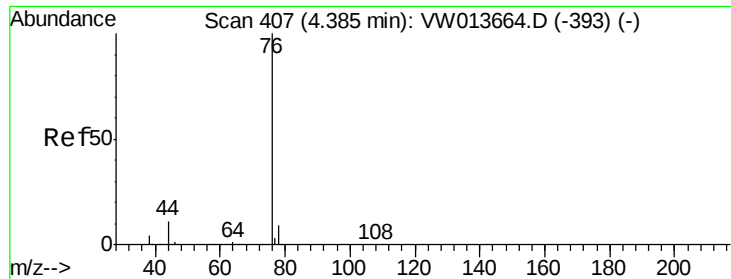
Delta R.T. -0.02 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Tgt Ion:	43	Resp:	44510
Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.1	36.1





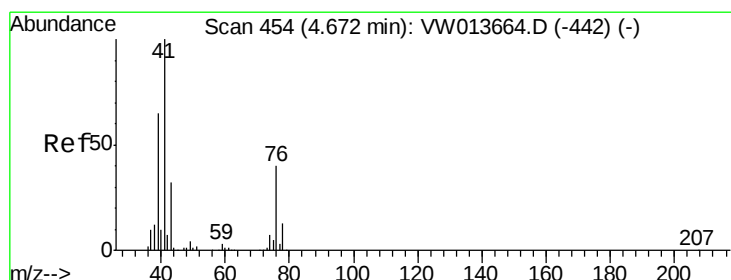
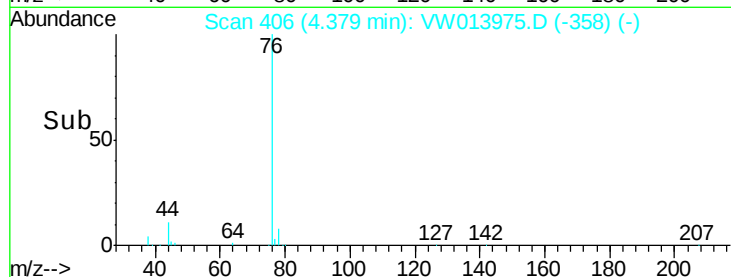
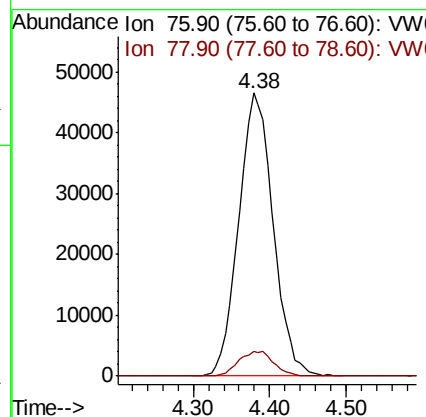
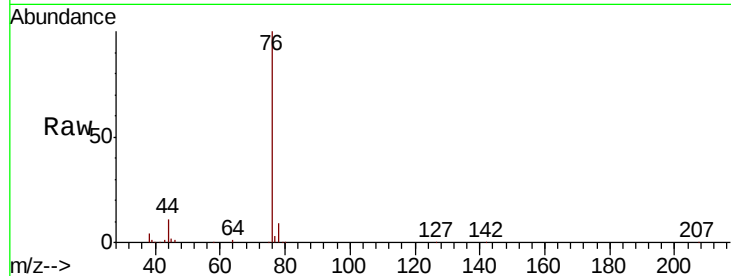
#17
Carbon Disulfide
Concen: 21.707 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

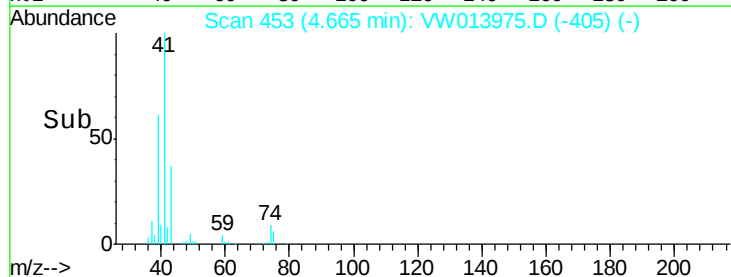
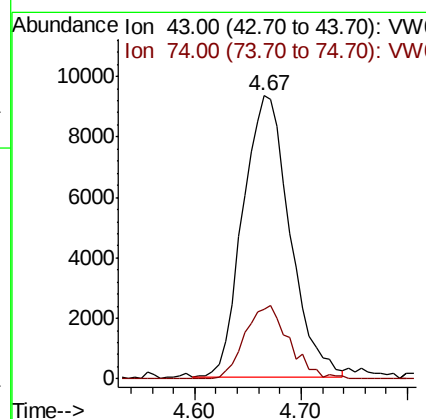
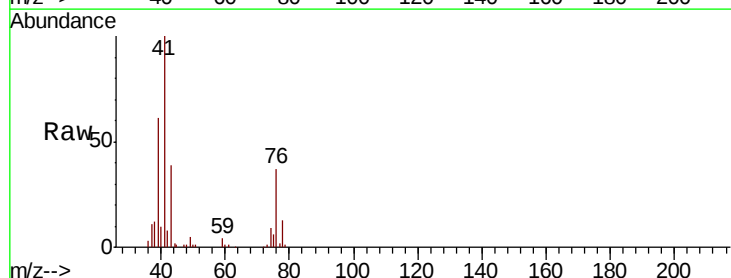
Manual Integrations
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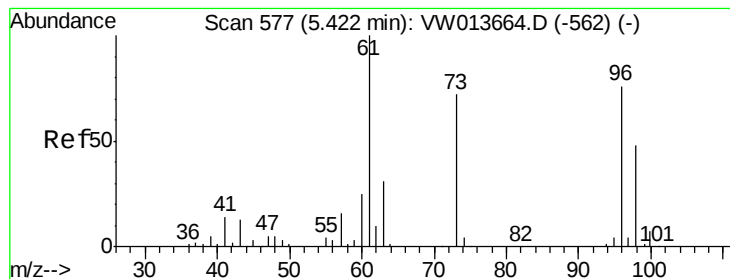
MMDadoda
11/13/2019 9:33:21 AM



#18
Methyl Acetate
Concen: 25.367 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





#19

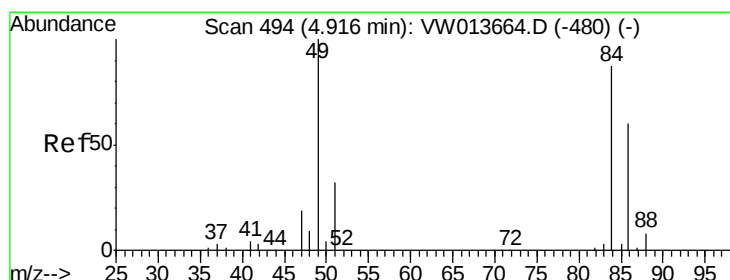
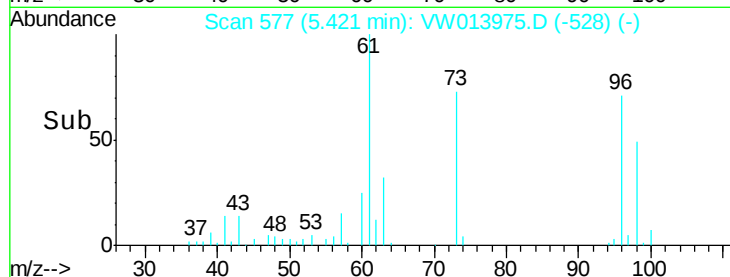
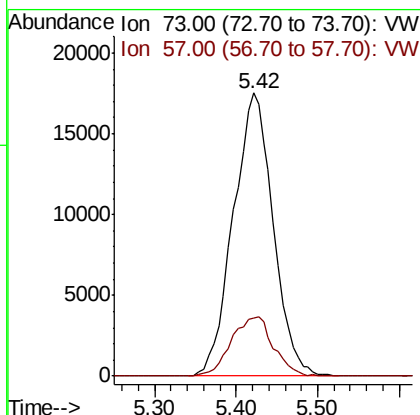
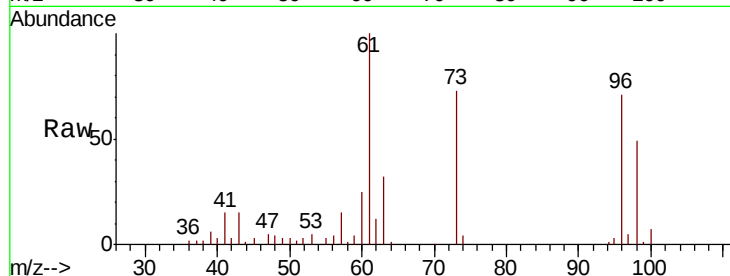
Methyl tert-butyl Ether
 Concen: 21.226 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.6	26.4

Manual Integrations
 APPROVED

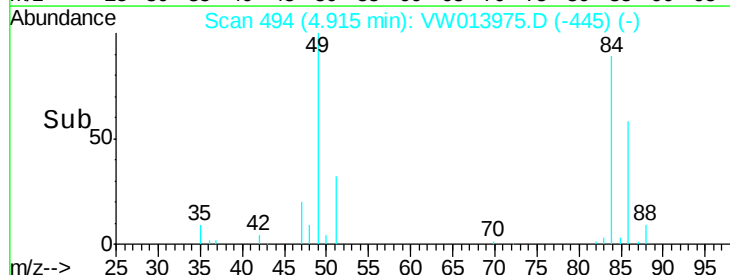
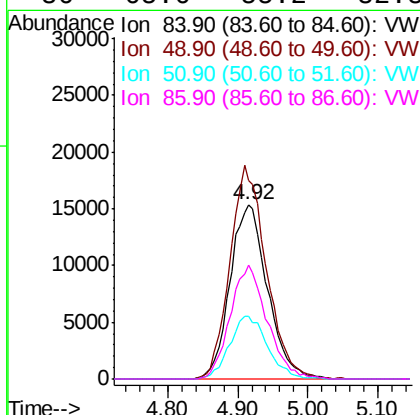
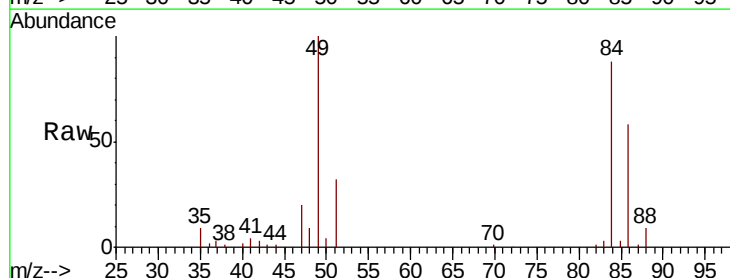
MMDadoda
 11/13/2019 9:33:21 AM

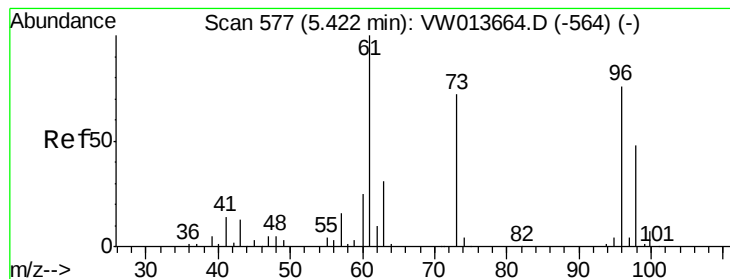


#20

Methylene Chloride
 Concen: 22.442 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.5	91.8	137.6
51	35.8	29.8	44.6
86	65.6	55.2	82.8





#21

trans-1,2-Dichloroethene

Concen: 21.747 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 96 Resp: 54559

Ion Ratio Lower Upper

96 100

61 137.0 104.8 157.2

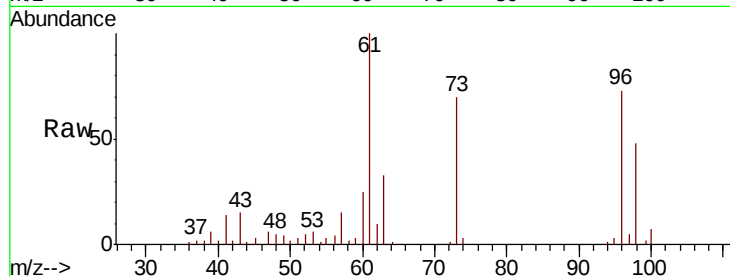
98 65.2 50.6 76.0

Manual Integrations

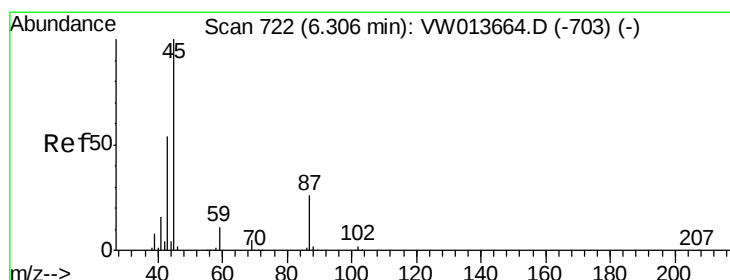
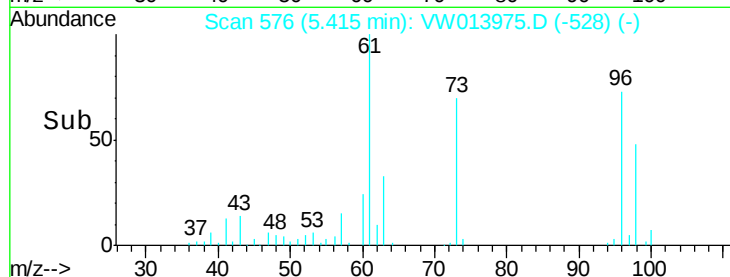
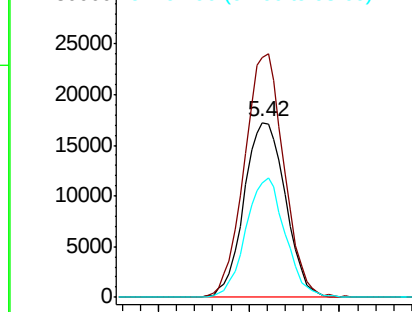
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.616 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Tgt Ion: 45 Resp: 141326

Ion Ratio Lower Upper

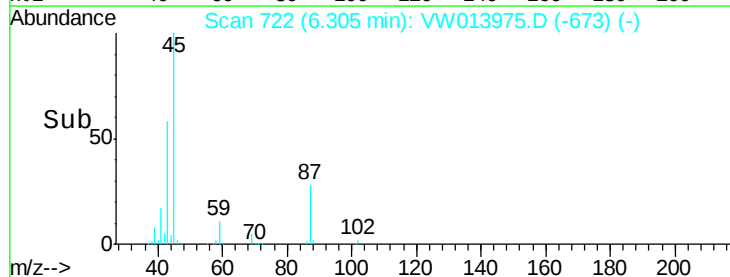
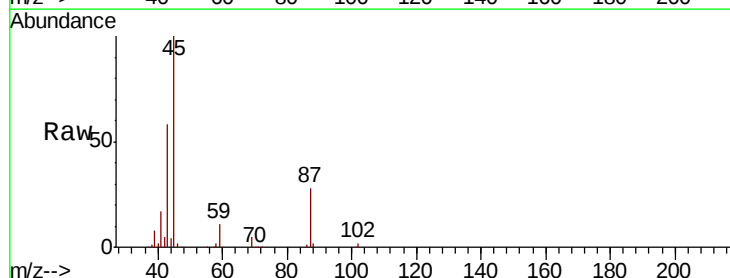
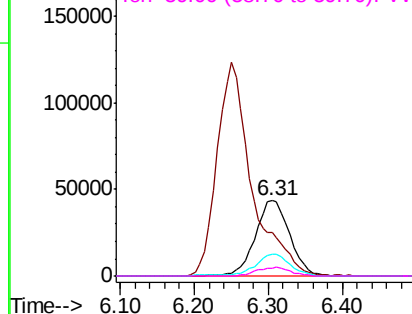
45 100

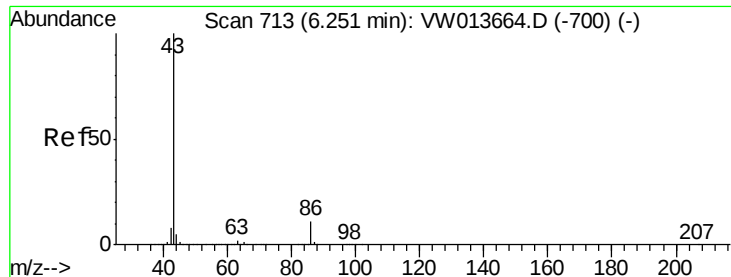
43 57.0 43.4 65.2

87 28.3 21.5 32.3

59 10.5 9.2 13.8

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 105.830 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 43 Resp: 401473

Ion Ratio Lower Upper

43 100

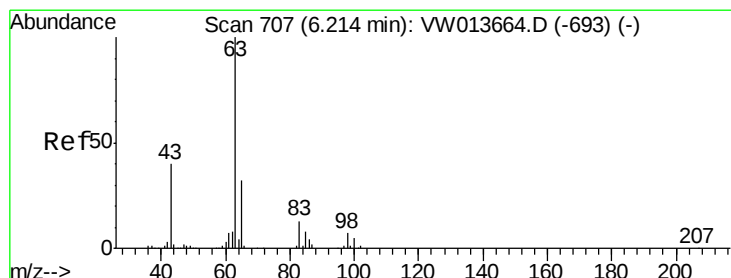
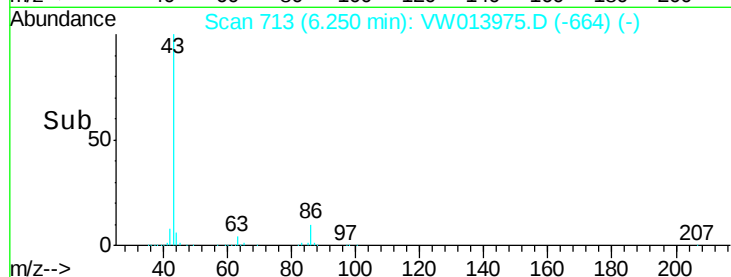
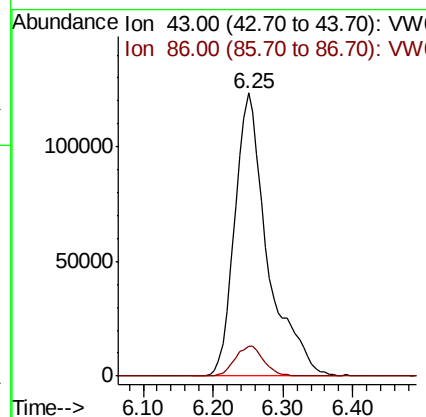
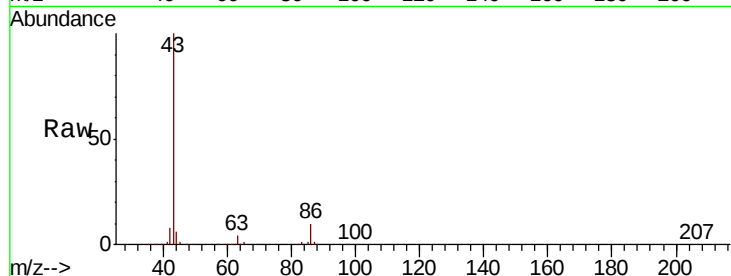
86 10.5 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.242 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

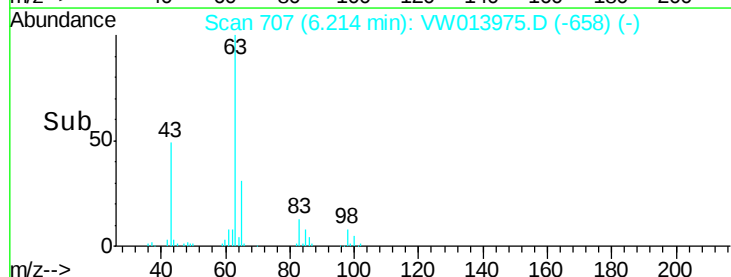
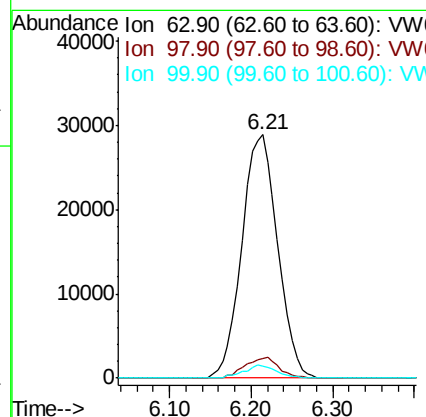
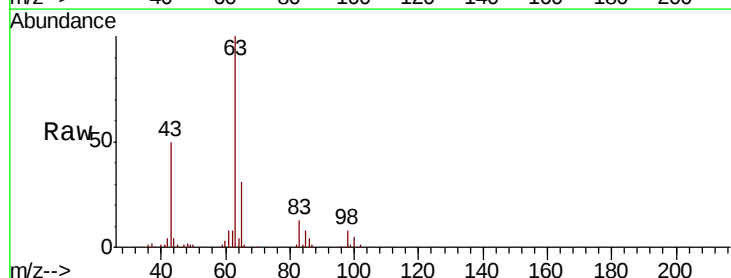
Tgt Ion: 63 Resp: 87956

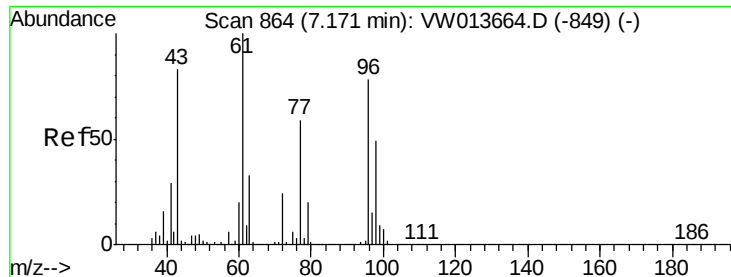
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 114.905 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 43 Resp: 68292

Ion Ratio Lower Upper

43 100

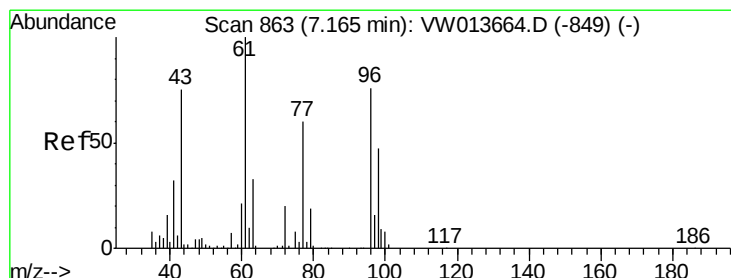
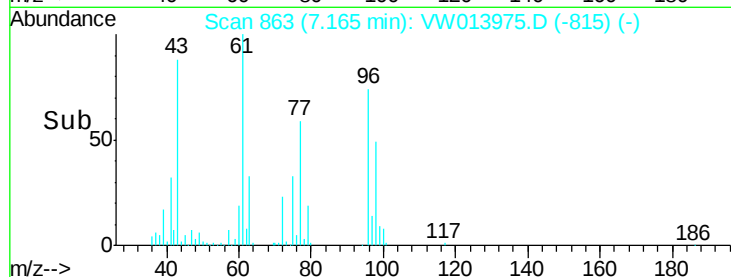
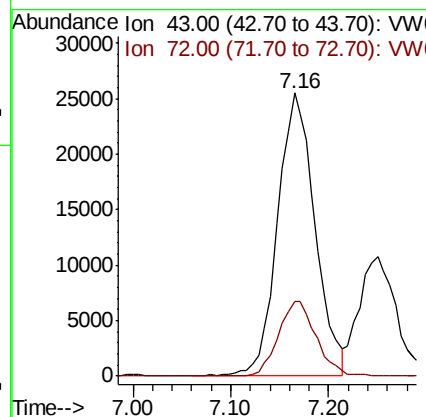
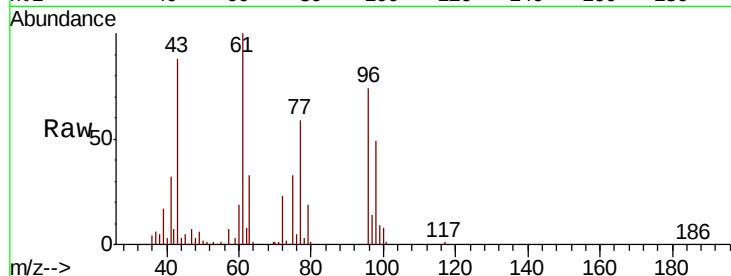
72 26.4 23.6 35.4

Manual Integrations

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MMDadoda

11/13/2019 9:33:21 AM



#26

2,2-Dichloropropane

Concen: 22.195 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013975.D

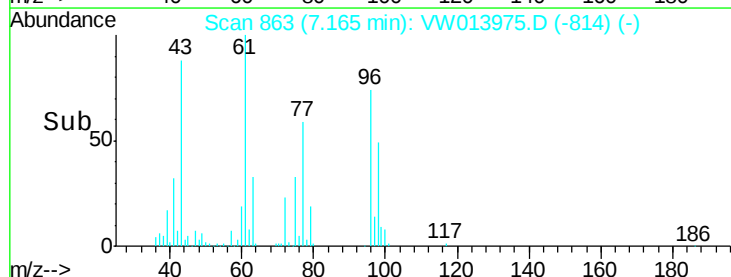
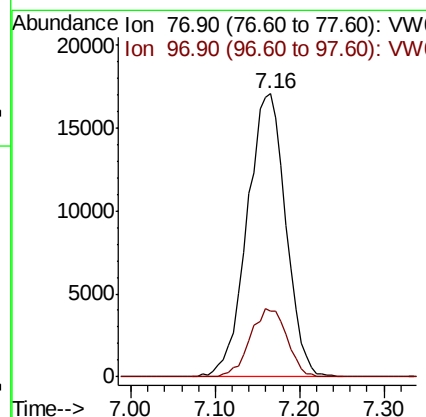
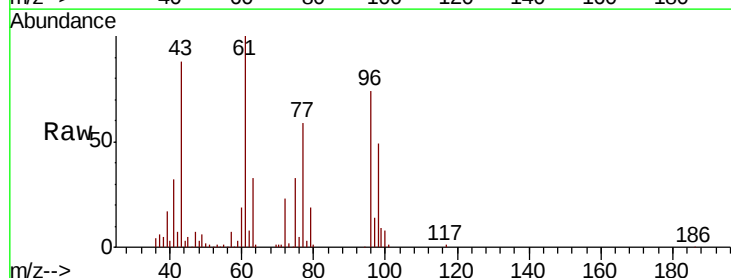
Acq: 12 Nov 2019 15:11

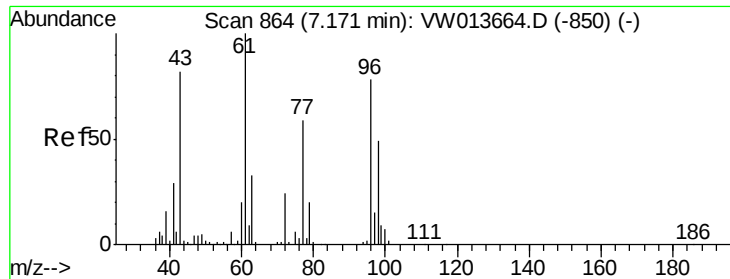
Tgt Ion: 77 Resp: 53141

Ion Ratio Lower Upper

77 100

97 22.9 12.8 38.4





#27

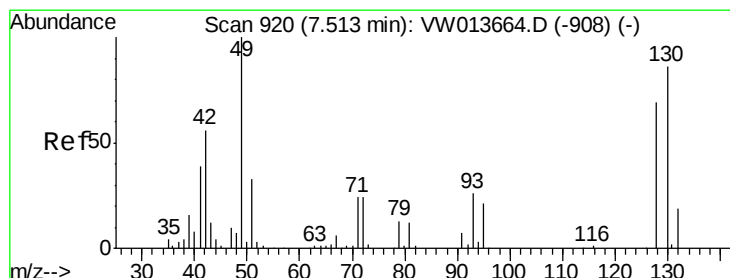
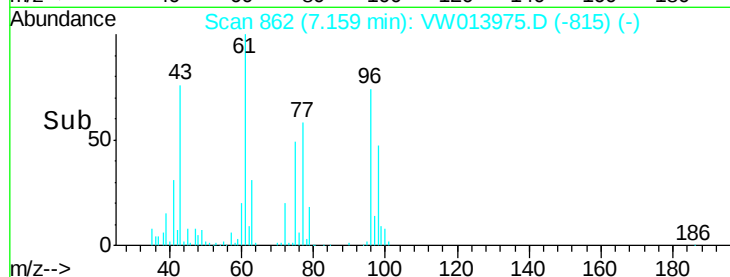
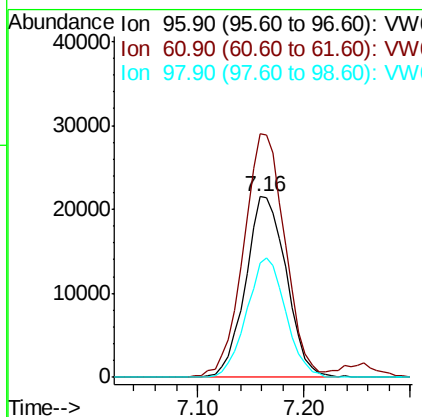
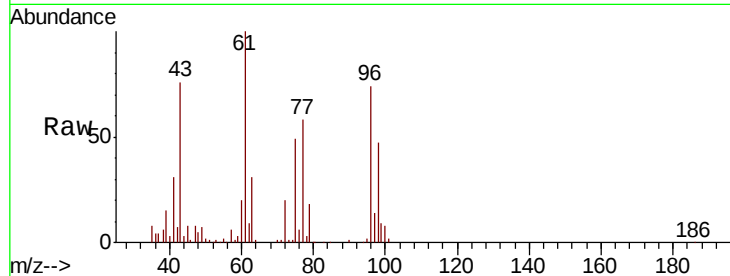
cis-1,2-Dichloroethene
Concen: 21.656 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	57706		
61	137.5		0.0	266.0
98	63.4		0.0	126.8

Manual Integrations
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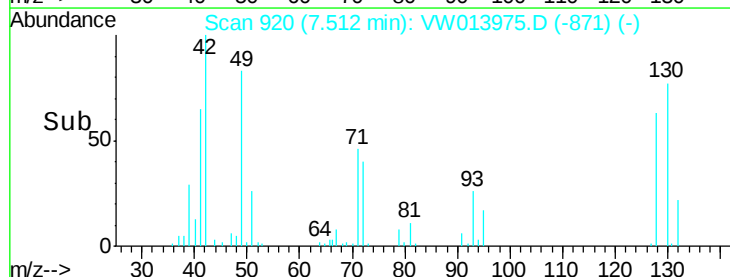
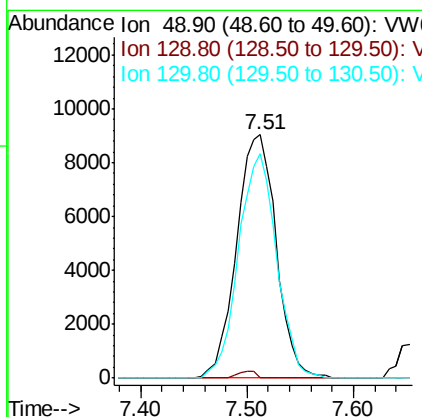
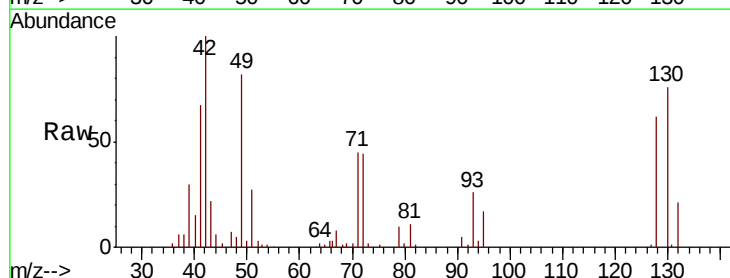
MMDadoda
11/13/2019 9:33:21 AM

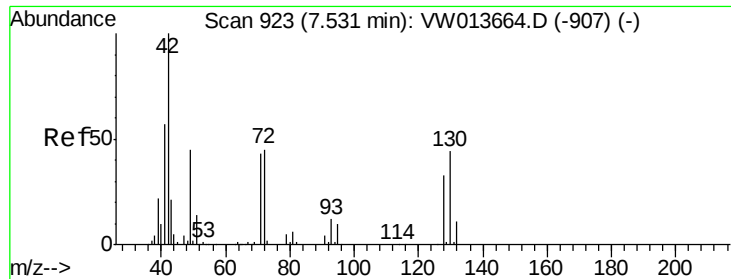


#28

Bromochloromethane
Concen: 16.883 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23560		
129	1.3		0.0	0.6#
130	88.8		67.5	101.3





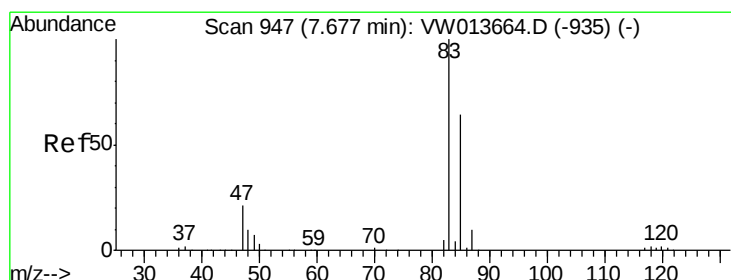
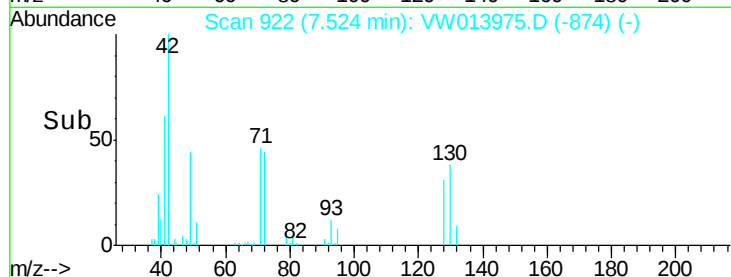
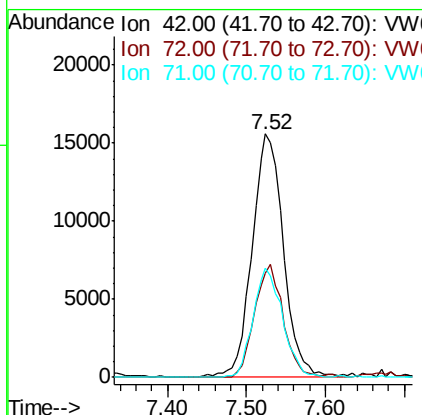
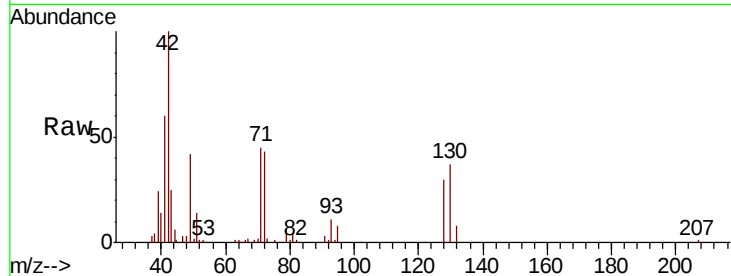
#29
Tetrahydrofuran
Concen: 117.278 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	35.3	52.9
71	42.1	33.3	49.9

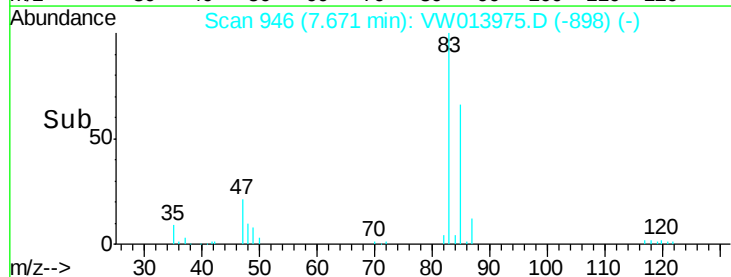
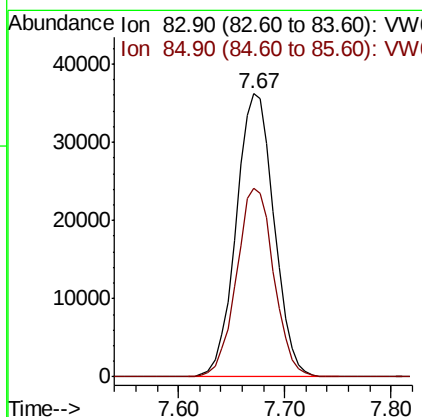
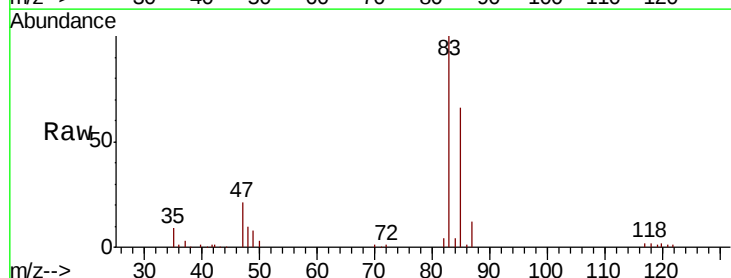
Manual Integrations
APPROVED

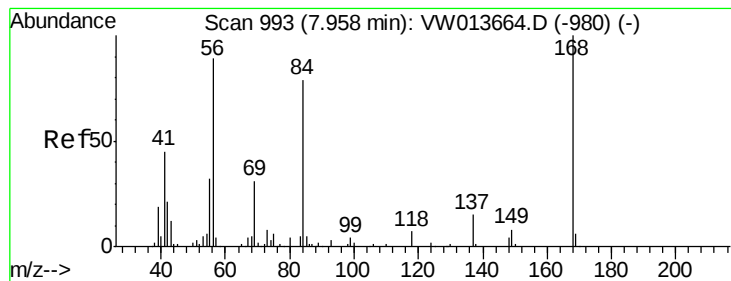
MMDadoda
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#30
Chloroform
Concen: 22.089 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.2





#31

Cyclohexane

Concen: 20.365 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

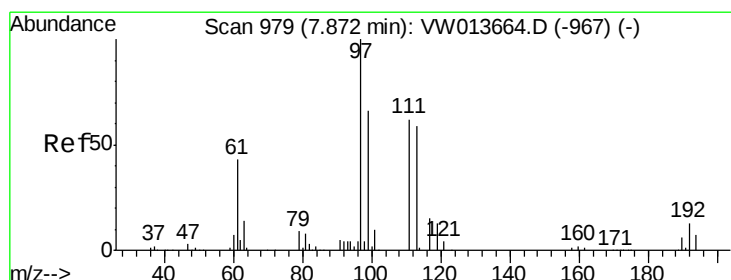
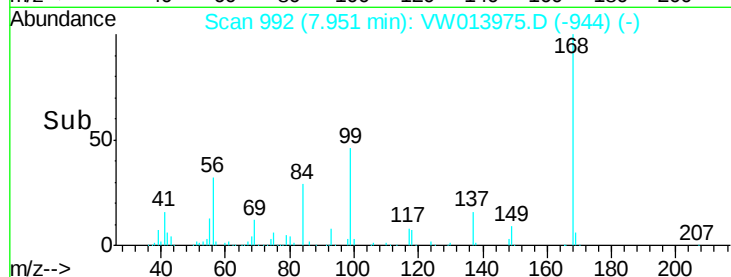
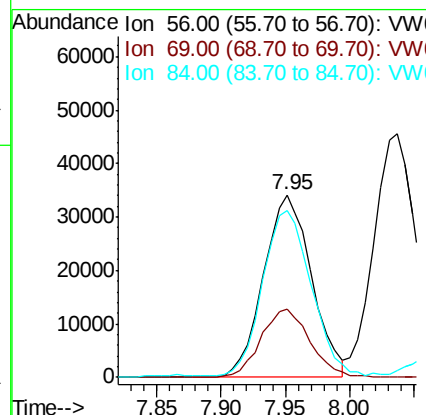
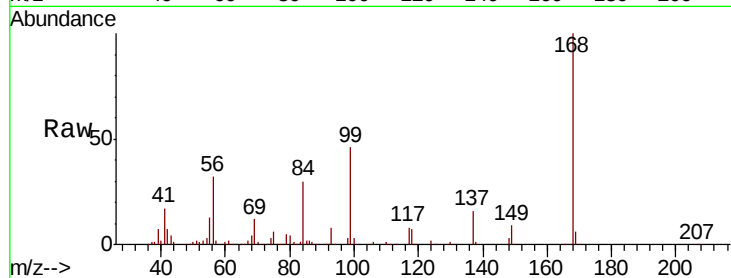
ClientSampleId :

VW1112SBS01

Tot Ion:	56	Resp:	88244
Ion Ratio	Lower	Upper	
56	100		
69	37.5	27.5	41.3
84	90.8	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.910 ug/l

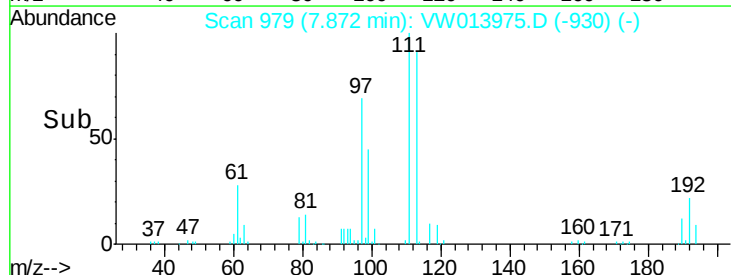
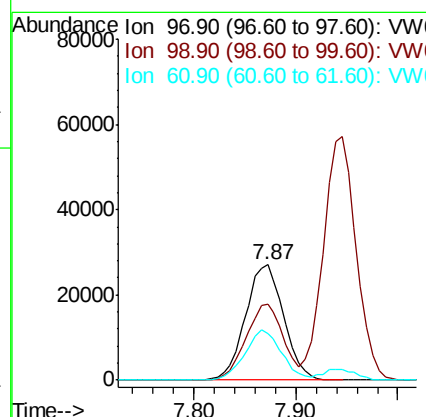
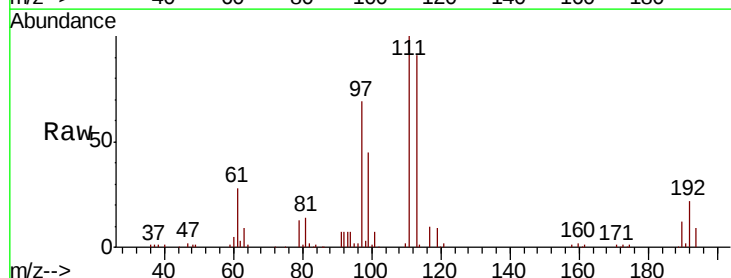
RT: 7.87 min Scan# 979

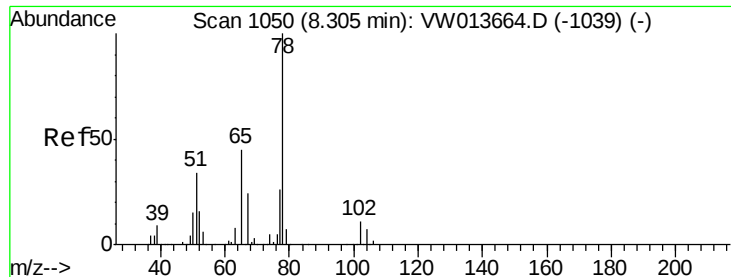
Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Tgt Ion:	97	Resp:	70377
Ion Ratio	Lower	Upper	
97	100		
99	64.3	52.0	78.0
61	42.0	33.8	50.6





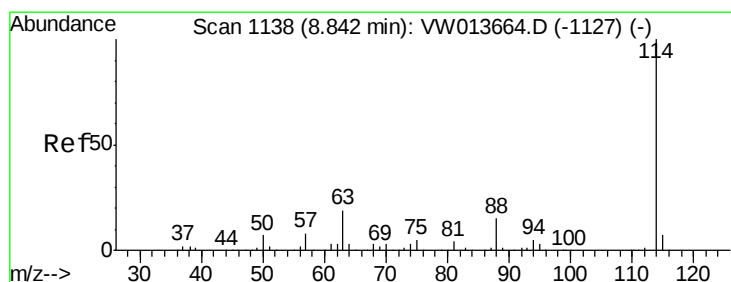
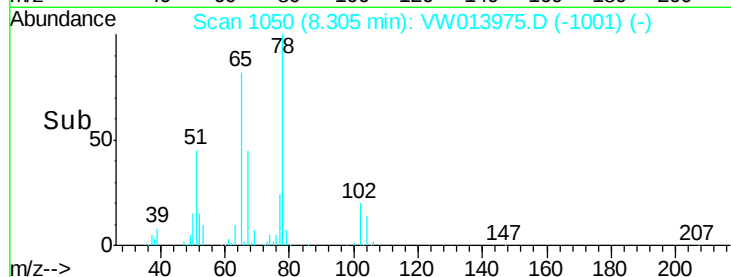
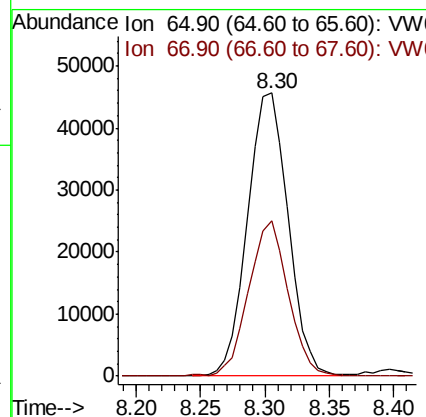
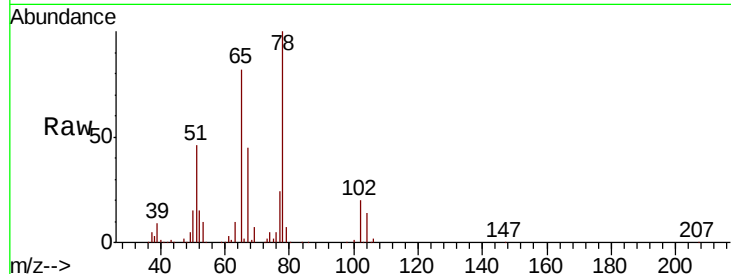
#33
 1,2-Dichloroethane-d4
 Concen: 51.194 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	109.4

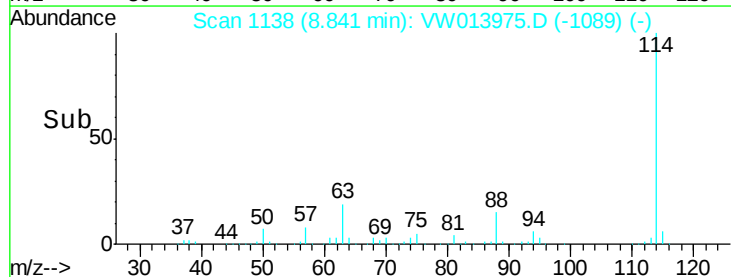
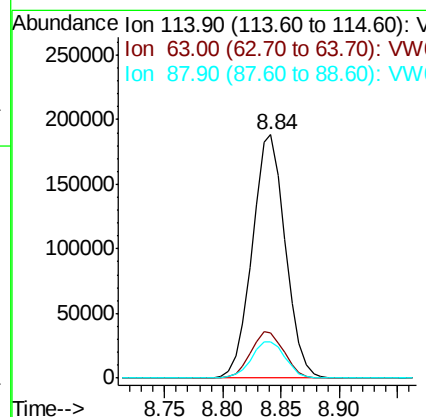
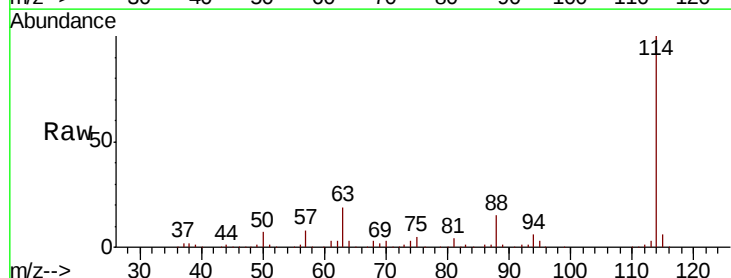
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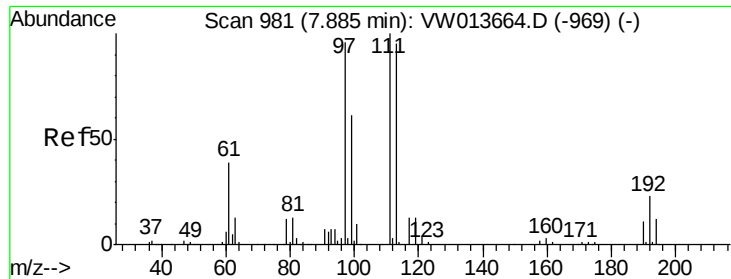
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.6
88	14.7	0.0	30.2





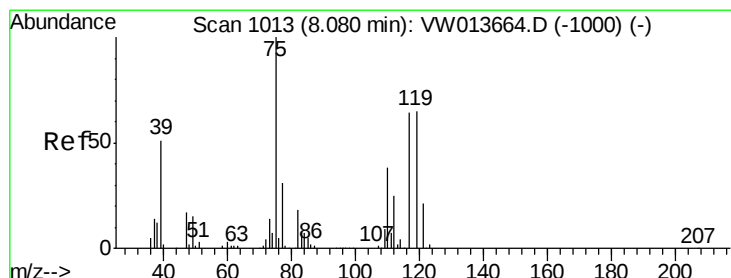
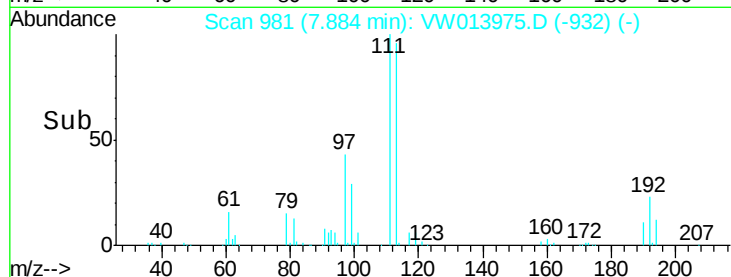
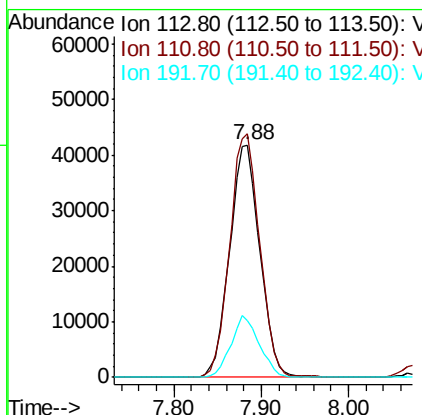
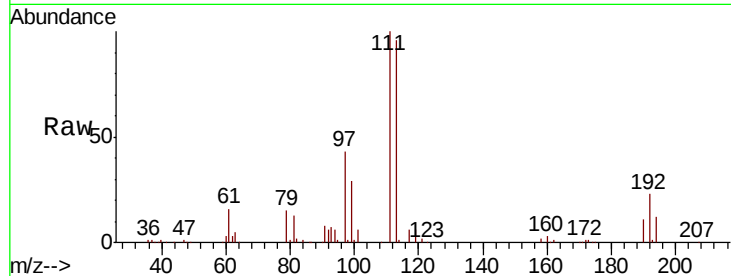
#35
 Dibromofluoromethane
 Concen: 48.371 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100531		
111	104.0	83.0	124.6	
192	24.9	19.4	29.2	

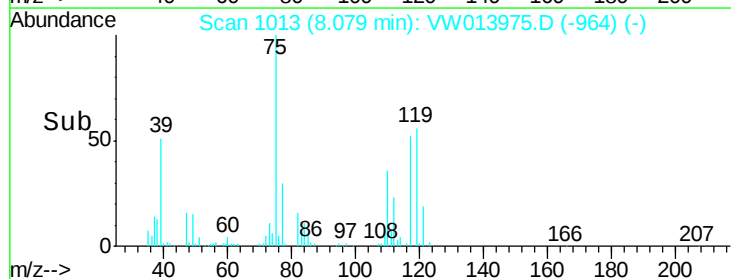
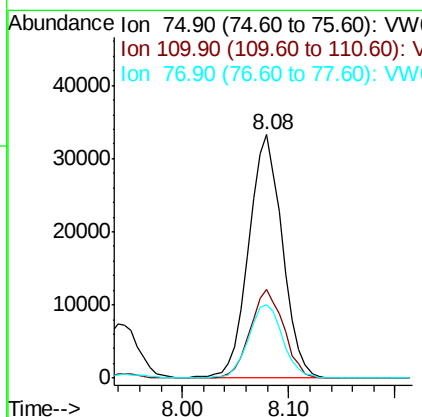
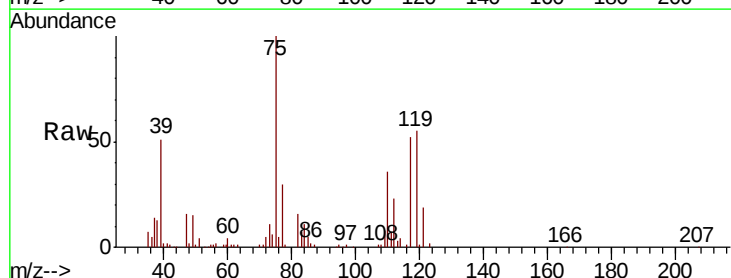
Manual Integrations
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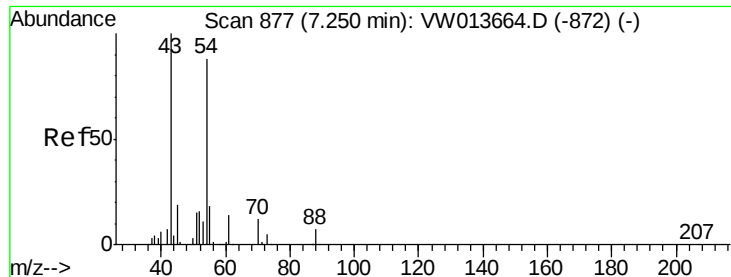
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#36
 1,1-Dichloropropene
 Concen: 21.254 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74035		
110	36.1	18.7	56.1	
77	31.0	25.4	38.0	





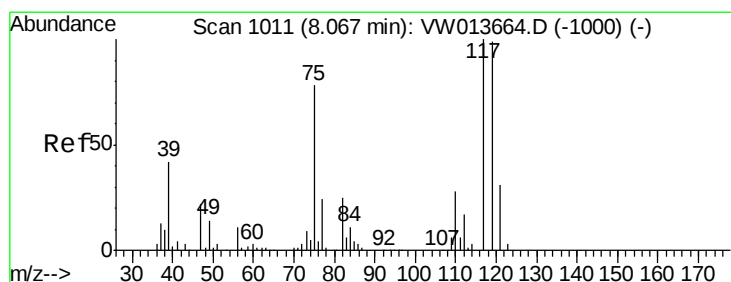
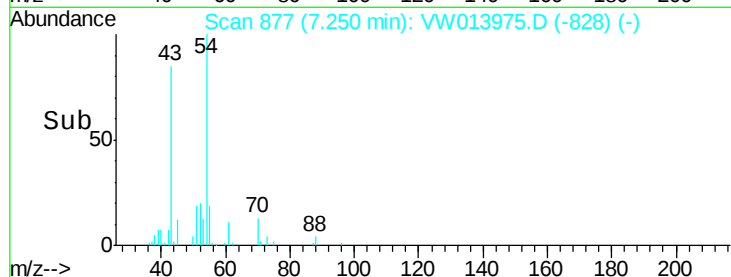
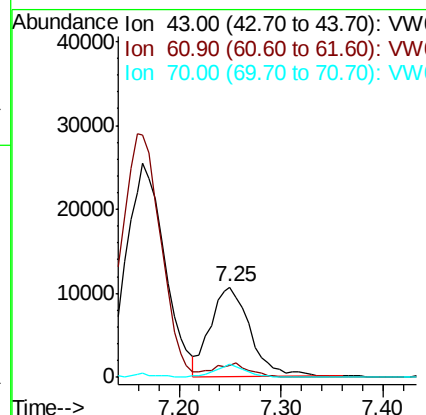
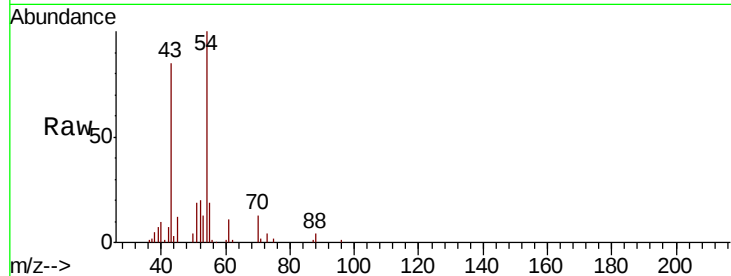
#37
Ethyl Acetate
Concen: 21.733 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.7	17.5
70	11.4	8.8	13.2

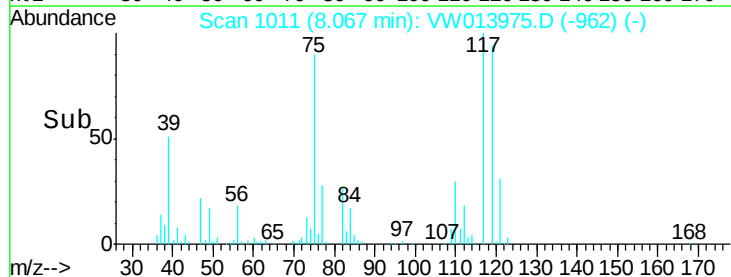
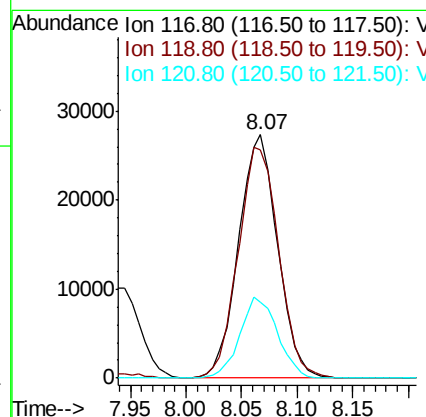
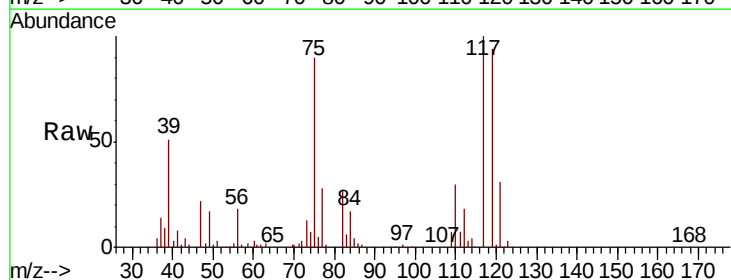
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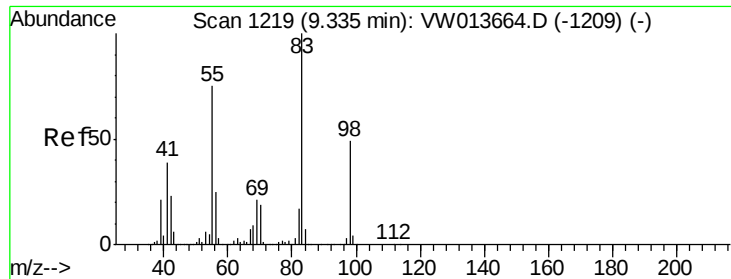
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#38
Carbon Tetrachloride
Concen: 21.233 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	79.0	118.4
121	31.1	24.5	36.7





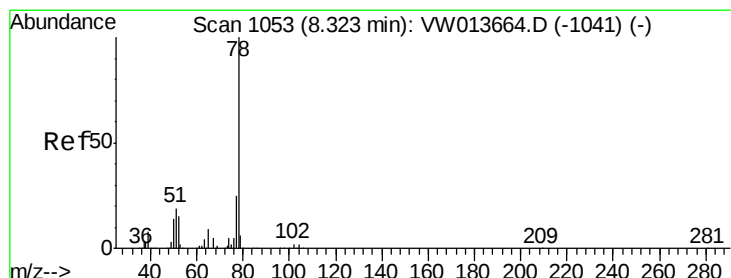
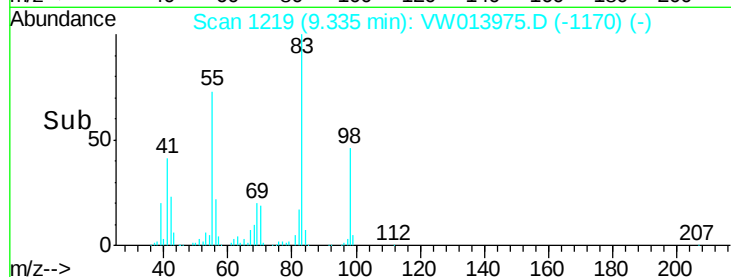
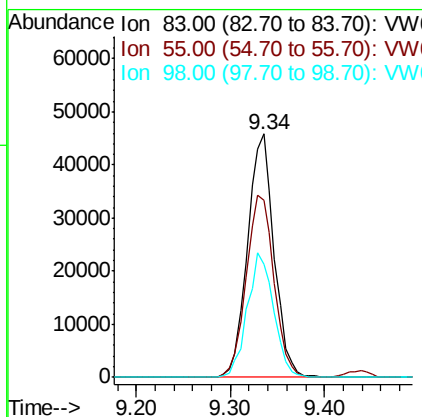
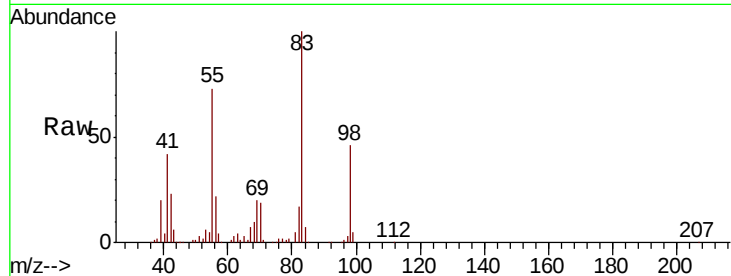
#39
Methvlcvclohexane
Concen: 20.137 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	59.9	89.9
98	46.5	39.4	59.2

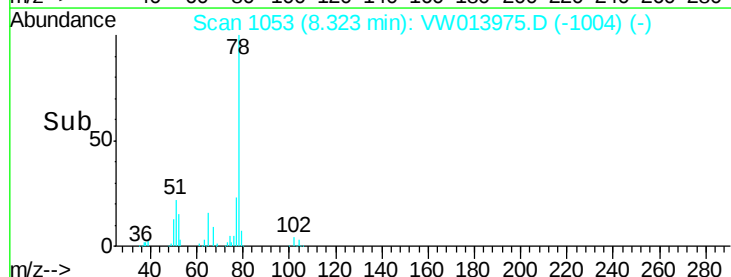
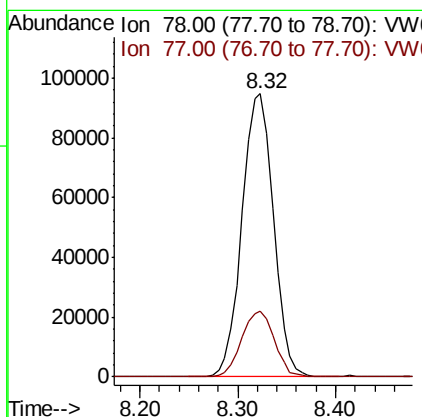
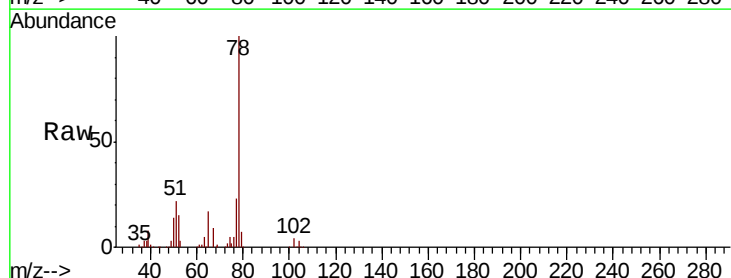
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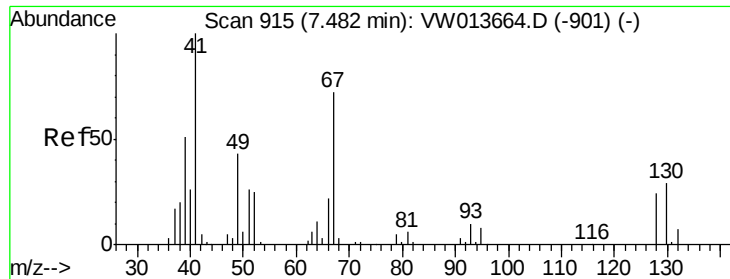
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#40
Benzene
Concen: 21.552 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.6	29.4





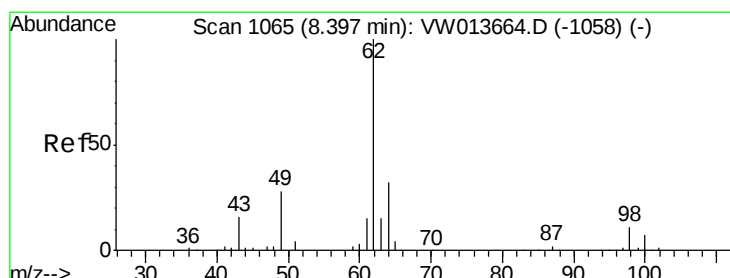
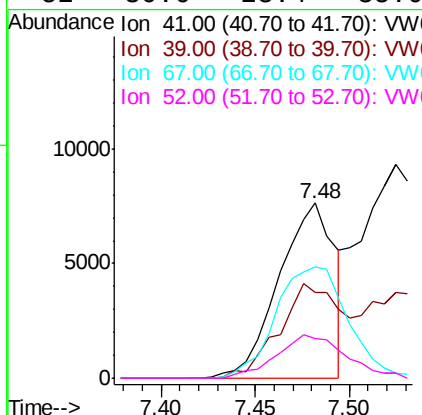
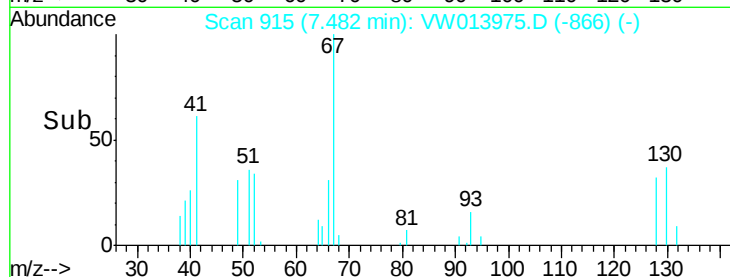
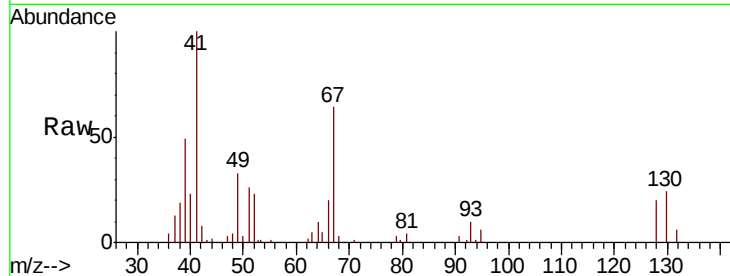
#41
Methacrylonitrile
Concen: 18.902 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	41	Resp	15717
Ion Ratio	Lower	Upper	
41	100		
39	59.6	44.8	67.2
67	82.3	59.3	88.9
52	30.6	23.4	35.0

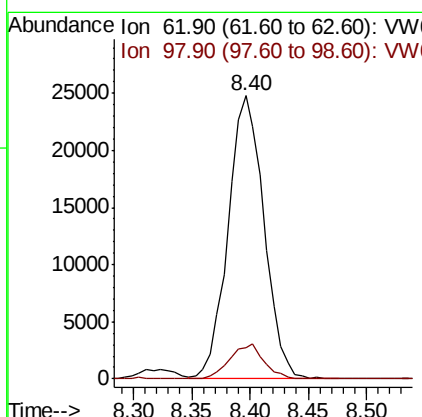
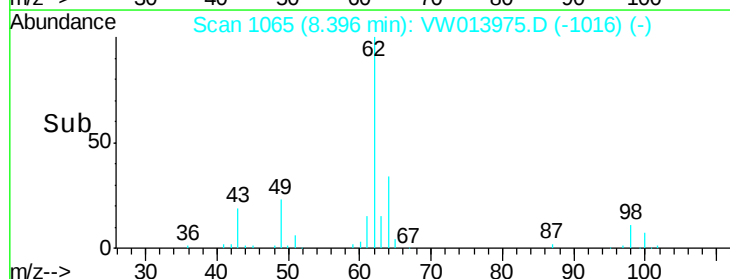
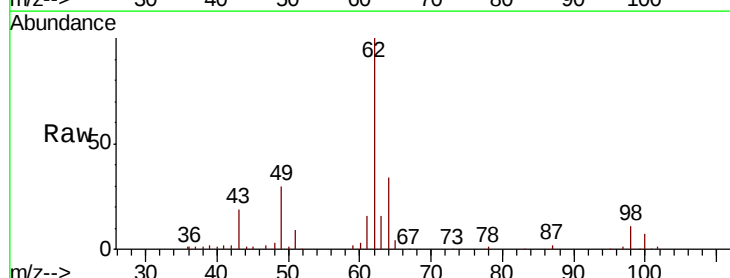
Manual Integrations
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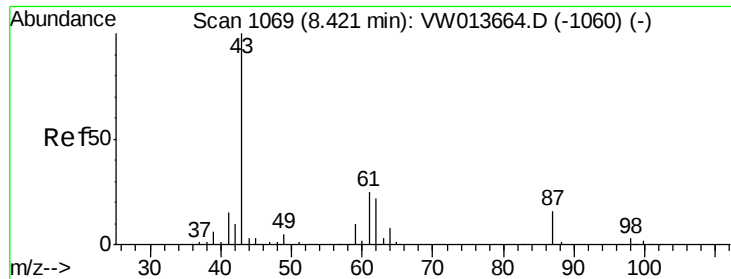
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.457 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	62	Resp	53303
Ion Ratio	Lower	Upper	
62	100		
98	11.7	0.0	22.4





#43

Isopropyl Acetate

Concen: 21.865 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

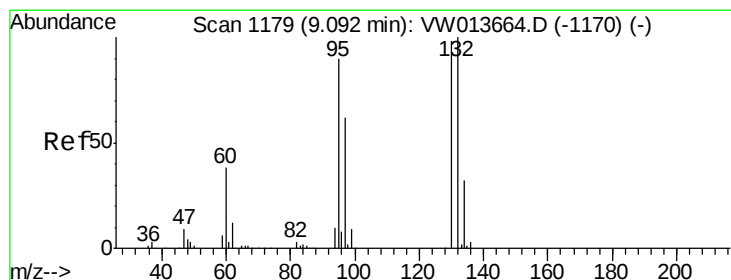
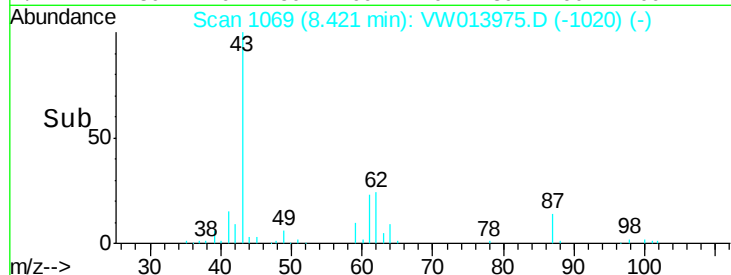
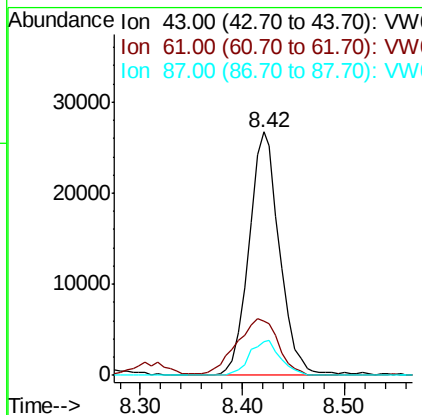
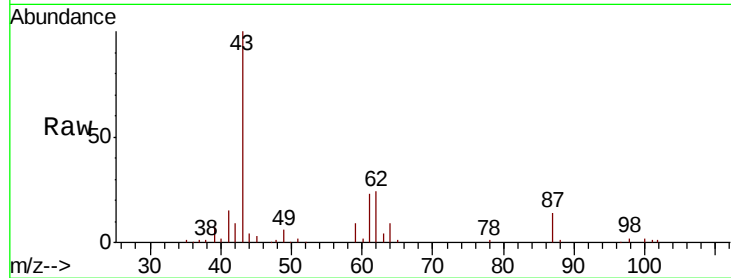
ClientSampleId :

VW1112SBS01

Tot Ion:	43	Resp:	55808
Ion	Ratio	Lower	Upper
43	100		
61	31.6	26.1	39.1
87	14.4	11.4	17.0

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#44

Trichloroethene

Concen: 21.239 ug/l

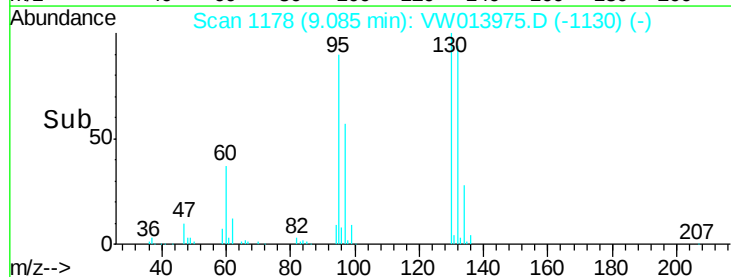
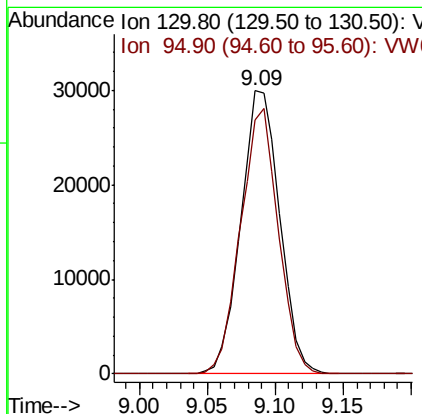
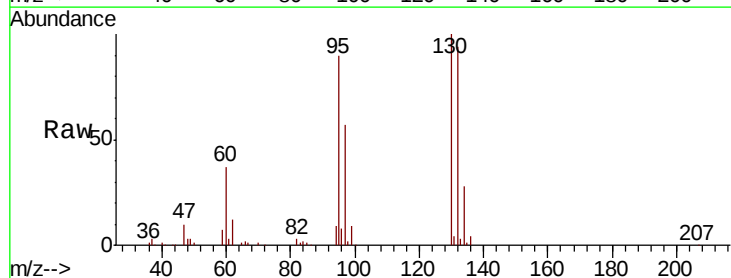
RT: 9.09 min Scan# 1178

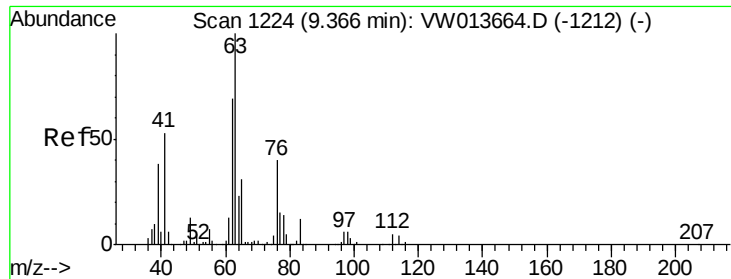
Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Tgt Ion:	130	Resp:	59974
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	184.6





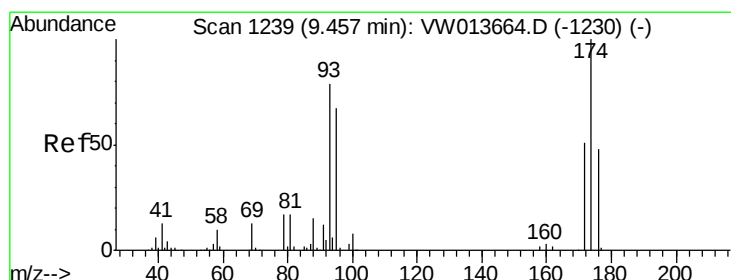
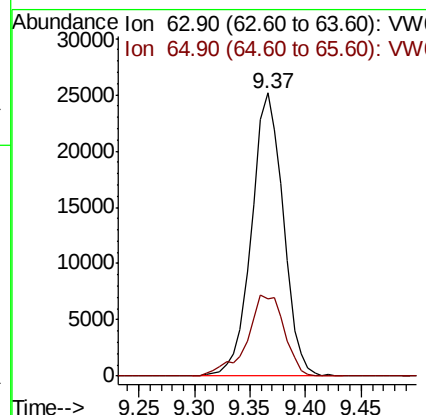
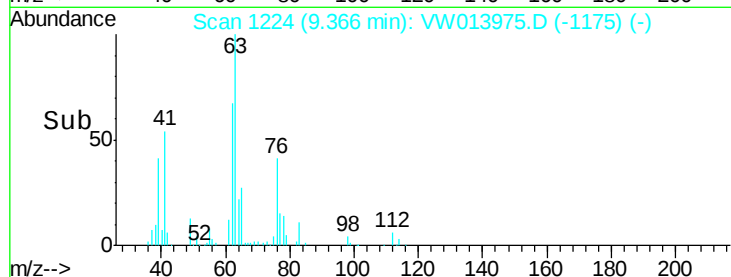
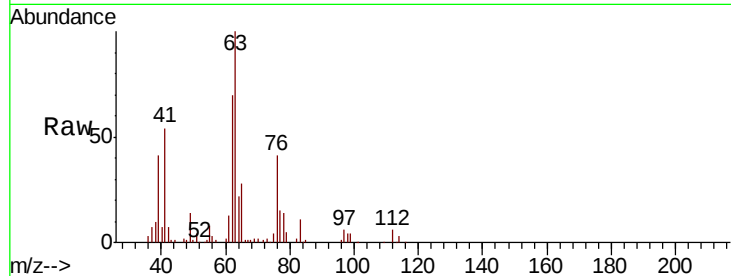
#45
 1,2-Dichloropropane
 Concen: 21.264 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.5	25.2	37.8

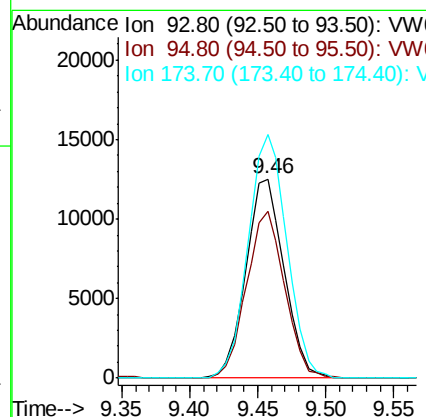
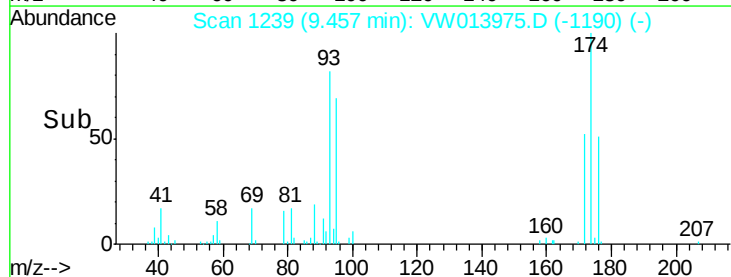
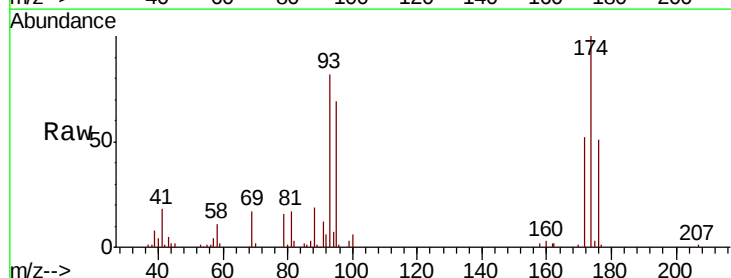
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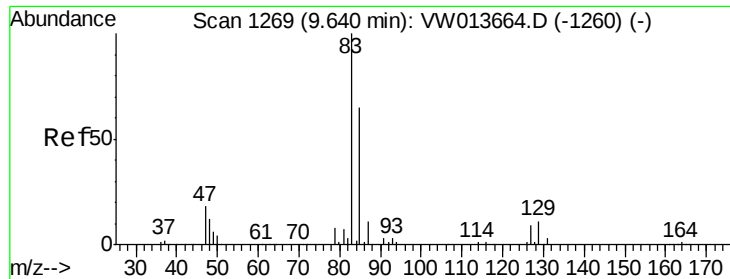
MMDadoda
 11/13/2019 9:33:21 AM



#46
 Dibromomethane
 Concen: 21.612 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.5	99.7
174	124.0	99.6	149.4





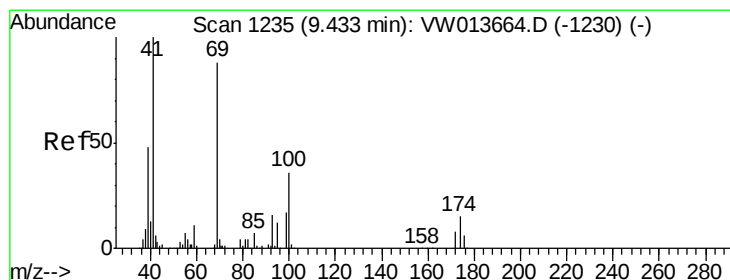
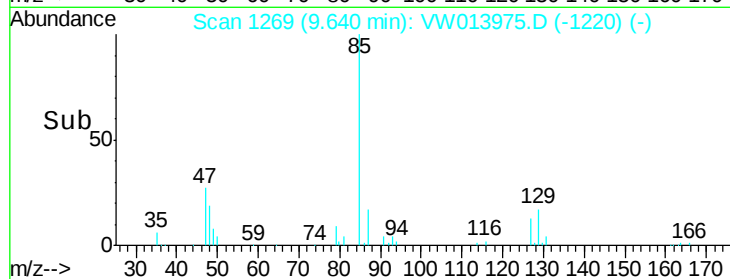
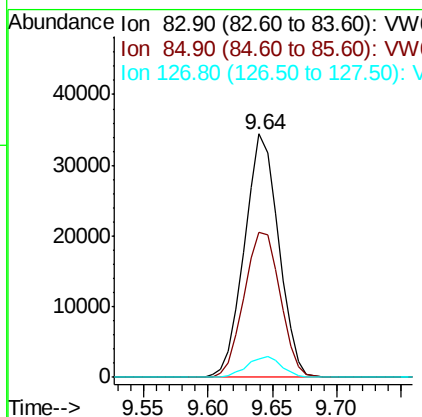
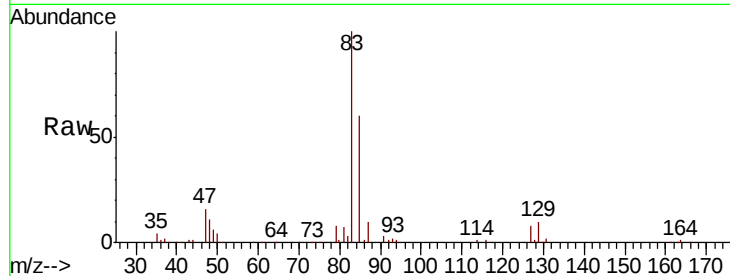
#47
Bromodichloromethane
Concen: 21.353 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	83	Resp	63140
Ion Ratio	100	Lower	Upper
83	100		
85	59.8	51.8	77.6
127	7.8	7.3	10.9

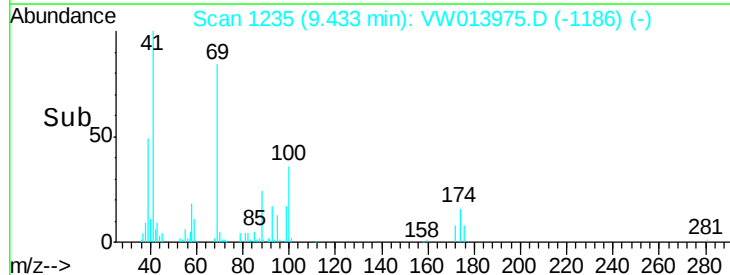
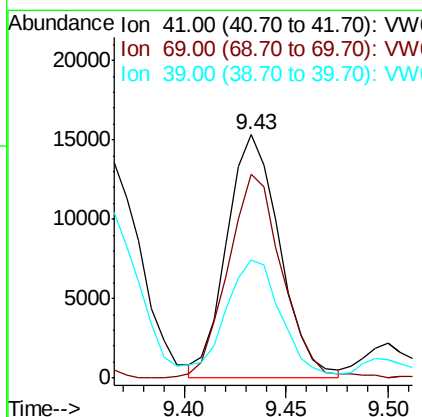
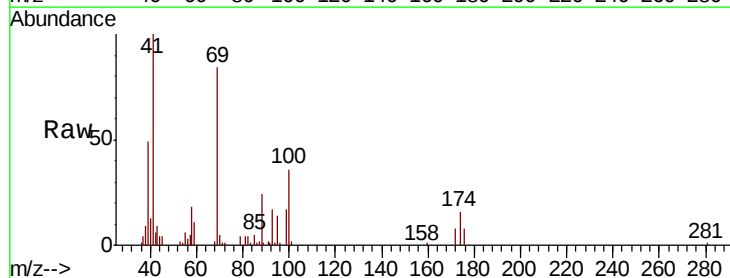
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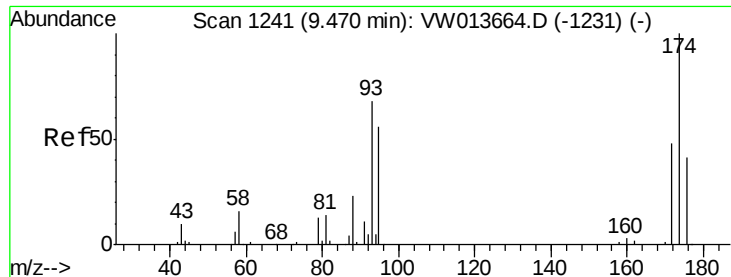
MMDadoda
11/13/2019 9:33:21 AM



#48
Methyl methacrylate
Concen: 21.859 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	41	Resp	27667
Ion Ratio	100	Lower	Upper
41	100		
69	86.0	67.6	101.4
39	47.6	38.6	58.0





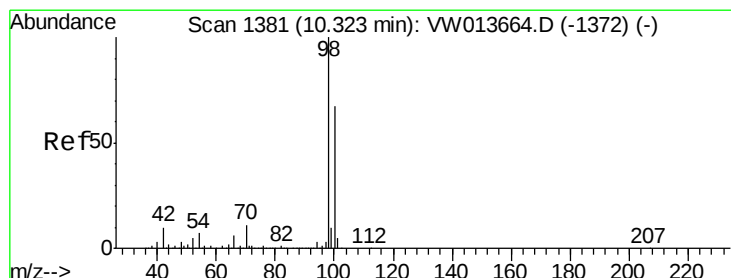
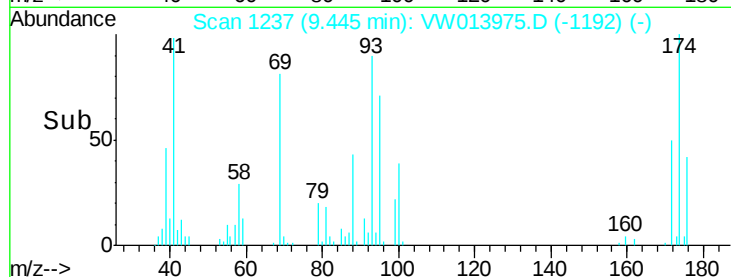
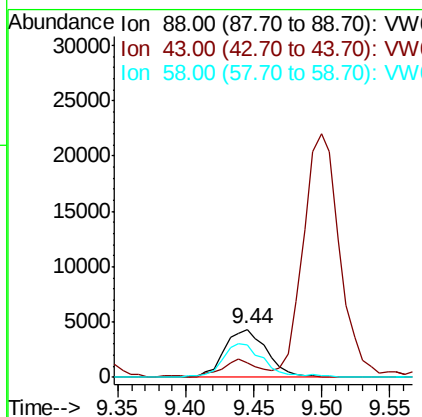
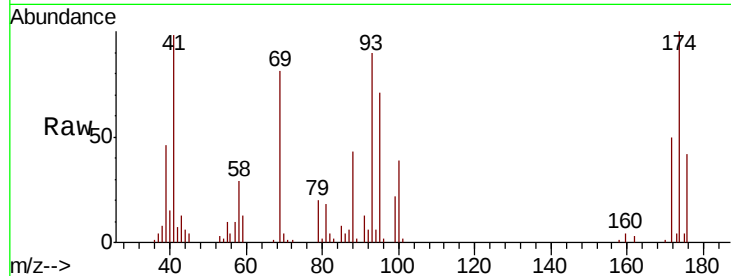
#49
1,4-Dioxane
Concen: 551.049 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	0.0	0.0#
58	70.7	58.9	88.3

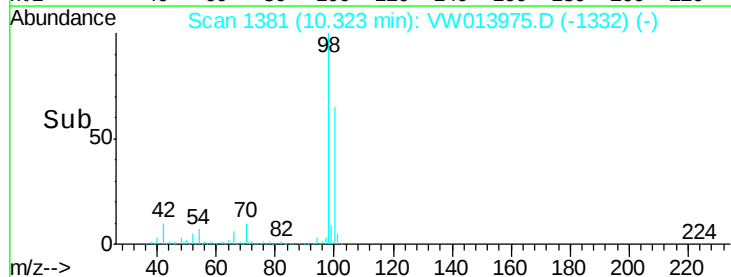
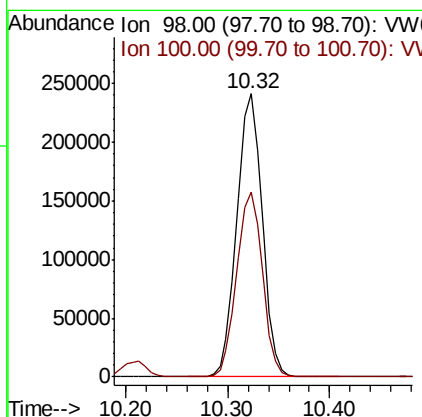
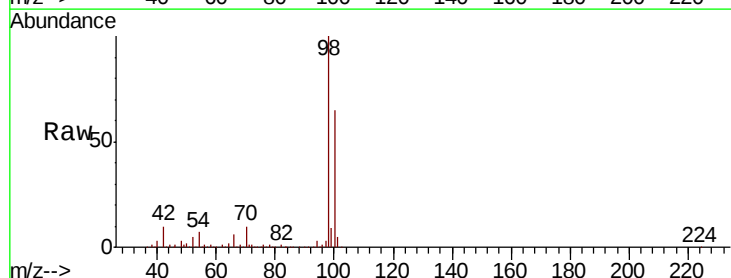
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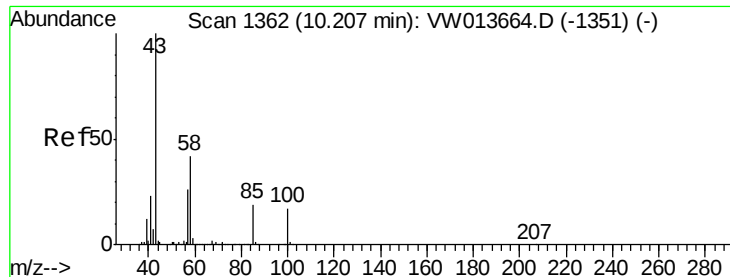
MMDadoda
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#50
Toluene-d8
Concen: 49.081 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 109.845 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 43 Resp: 139318

Ion Ratio Lower Upper

43 100

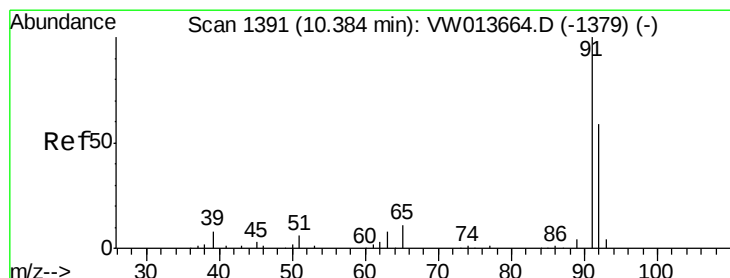
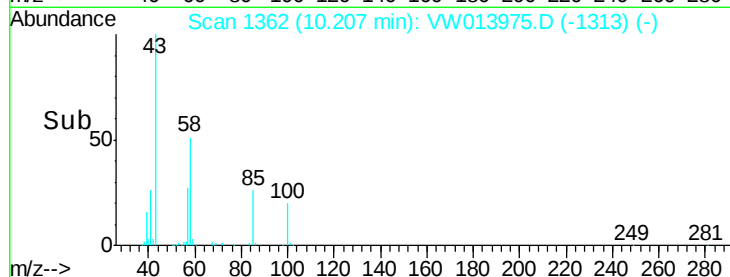
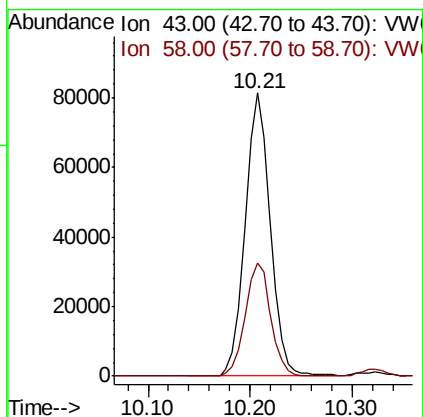
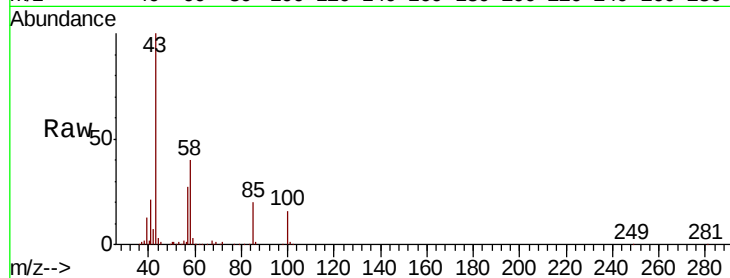
58 40.8 32.6 49.0

Manual Integrations

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MMDadoda

11/13/2019 9:33:21 AM



#52

Toluene

Concen: 20.994 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013975.D

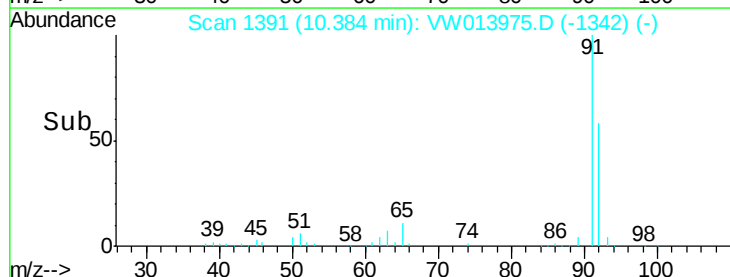
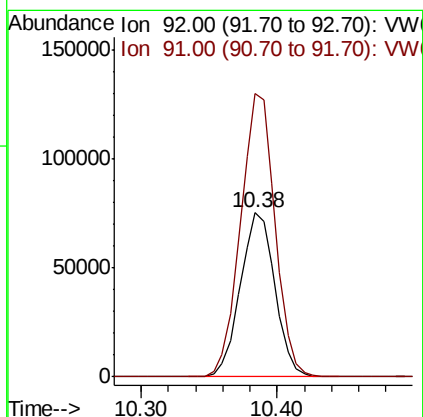
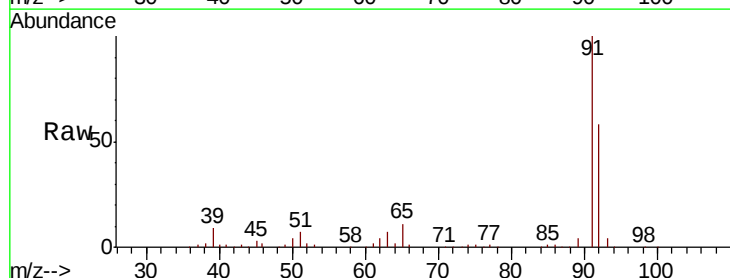
Acq: 12 Nov 2019 15:11

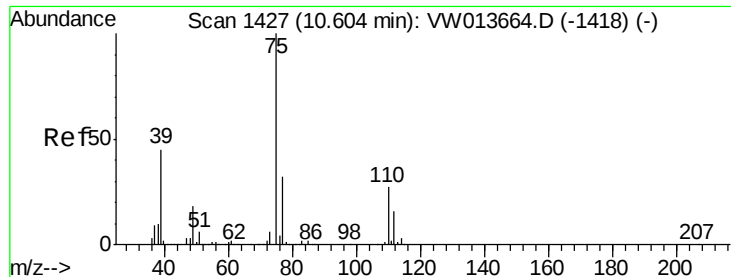
Tgt Ion: 92 Resp: 133497

Ion Ratio Lower Upper

92 100

91 172.1 134.5 201.7





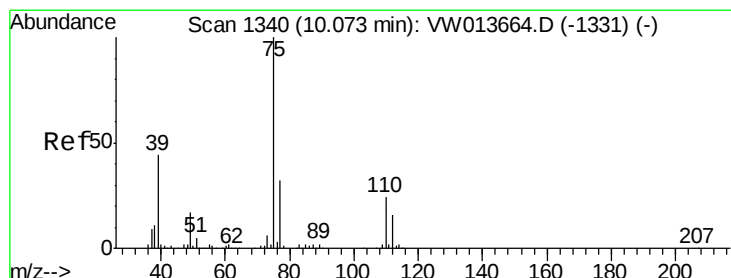
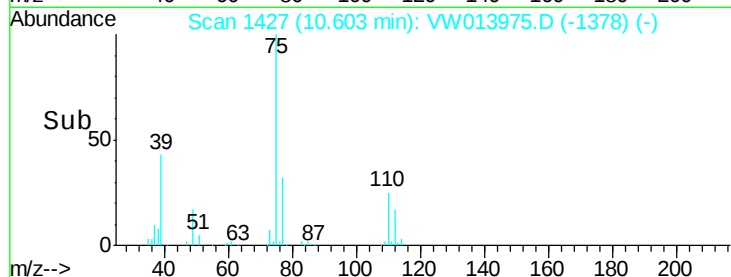
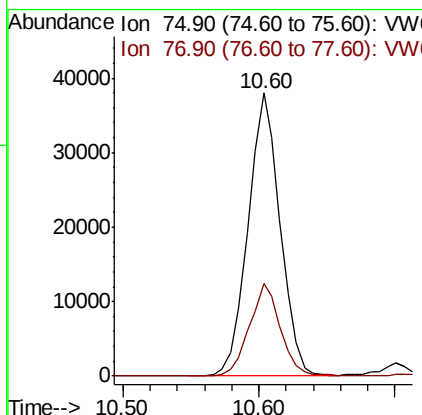
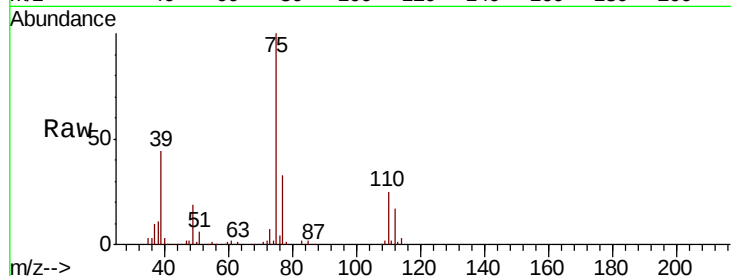
#53
 t-1,3-Dichloropropene
 Concen: 20.943 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.5	38.3

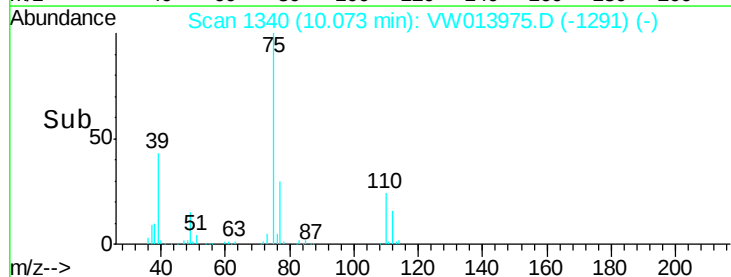
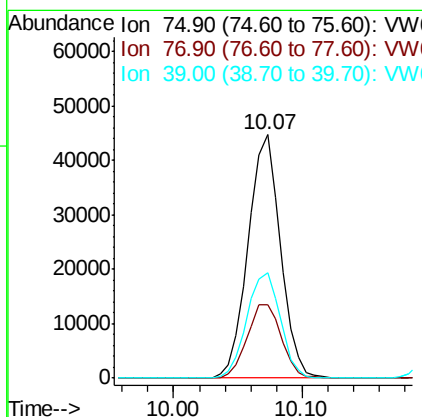
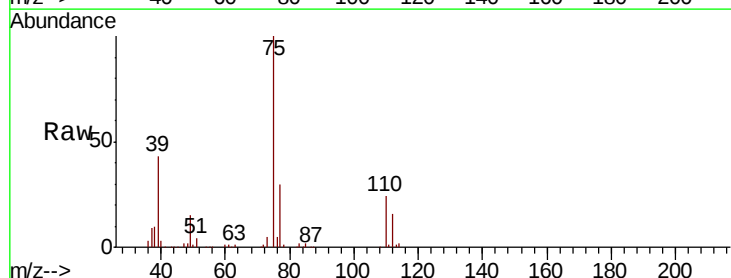
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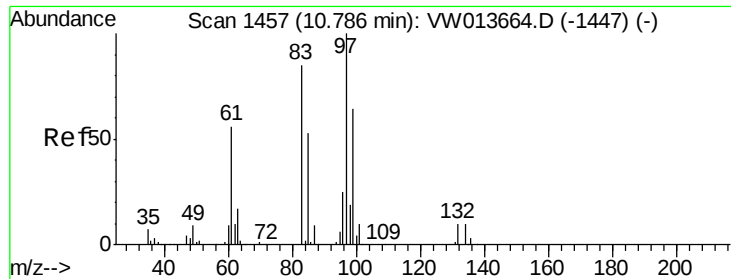
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#54
 cis-1,3-Dichloropropene
 Concen: 20.954 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.8	38.6
39	42.9	35.3	52.9





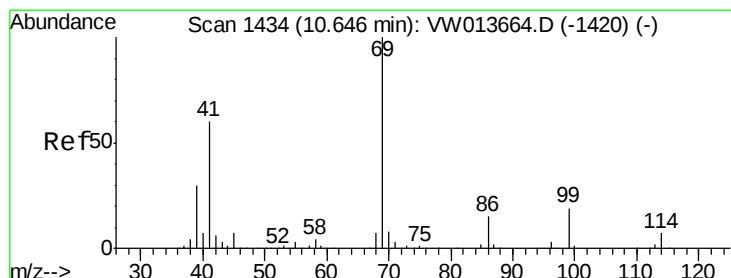
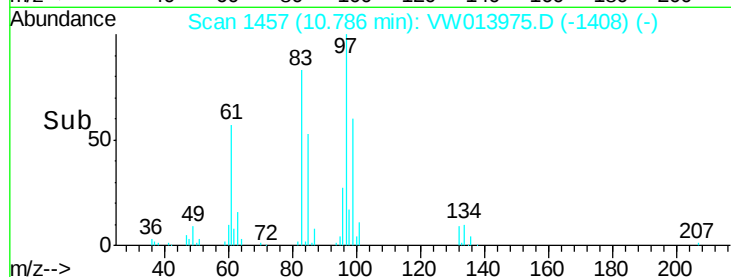
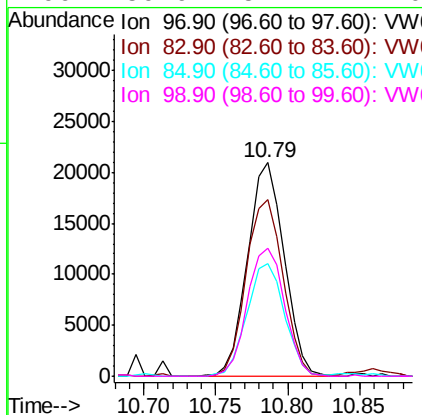
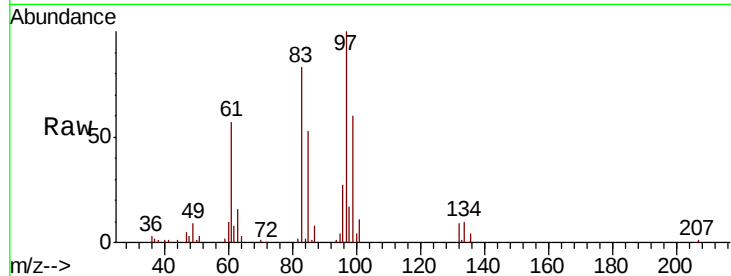
#55
 1,1,2-Trichloroethane
 Concen: 21.591 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.8	101.8
85	52.9	42.1	63.1
99	59.9	51.4	77.0

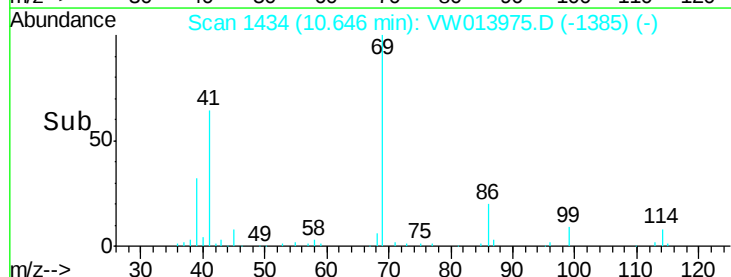
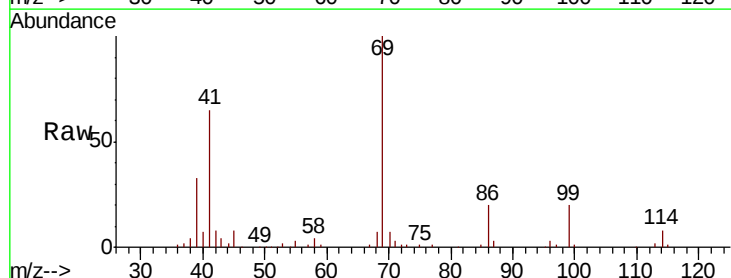
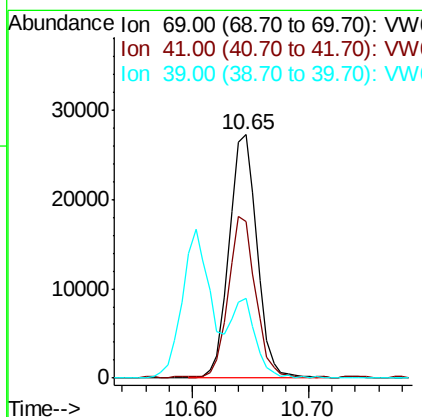
Manual Integrations
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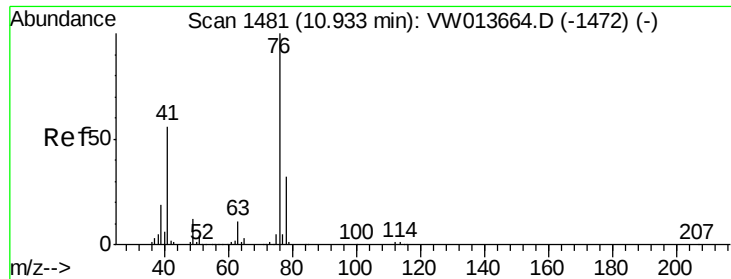
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 11/13/2019 9:33:21 AM



#56
 Ethyl methacrylate
 Concen: 21.429 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.6	77.4
39	28.6	22.4	33.6





#57

1,3-Dichloropropane

Concen: 21.021 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 76 Resp: 61441

Ion Ratio Lower Upper

76 100

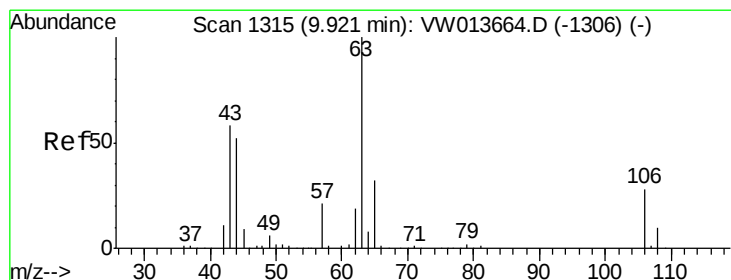
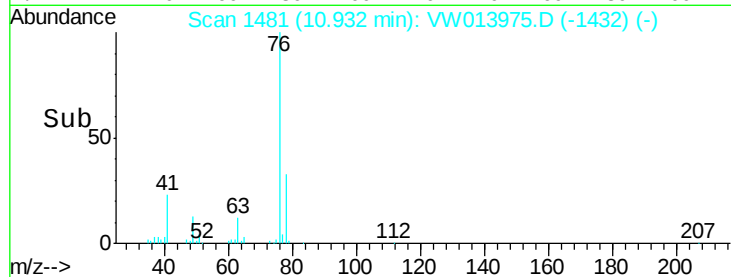
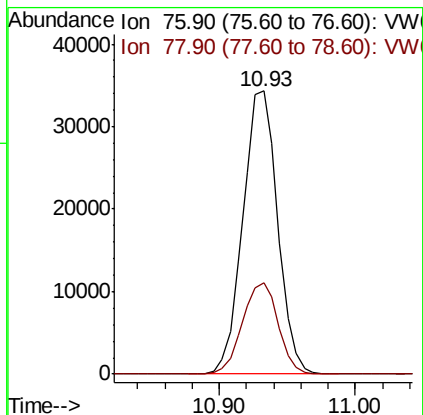
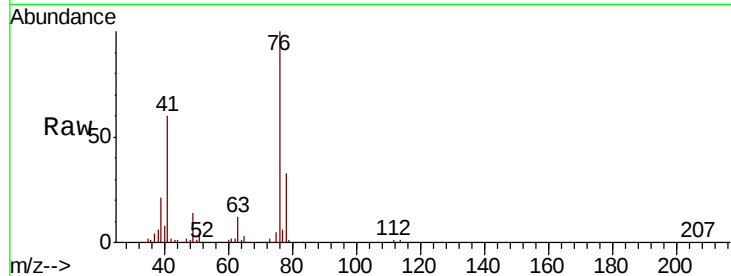
78 33.1 26.0 39.0

Manual Integrations

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MMDadoda

11/13/2019 9:33:21 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.952 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013975.D

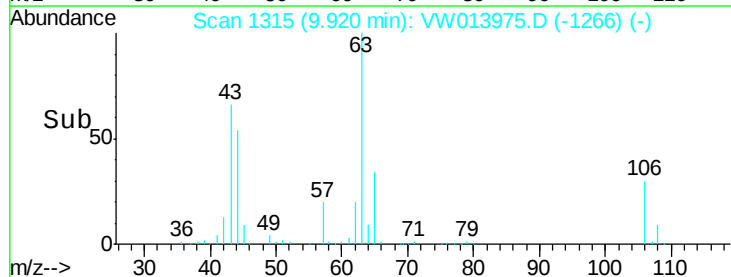
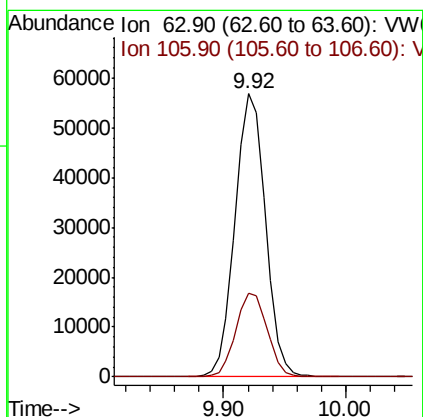
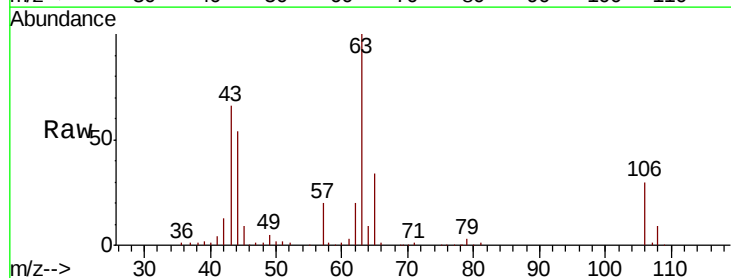
Acq: 12 Nov 2019 15:11

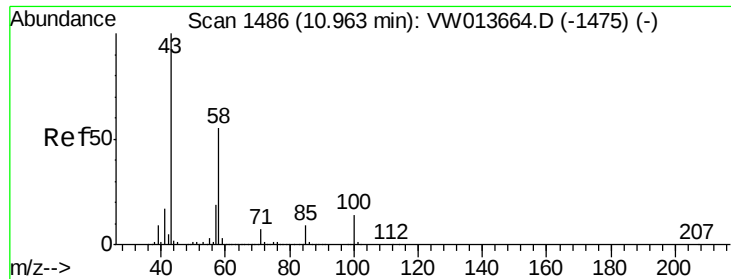
Tgt Ion: 63 Resp: 98027

Ion Ratio Lower Upper

63 100

106 30.7 23.8 35.8





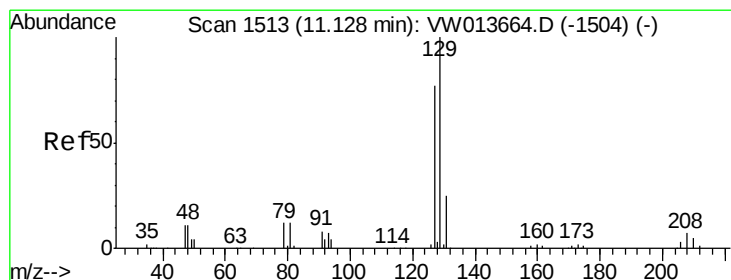
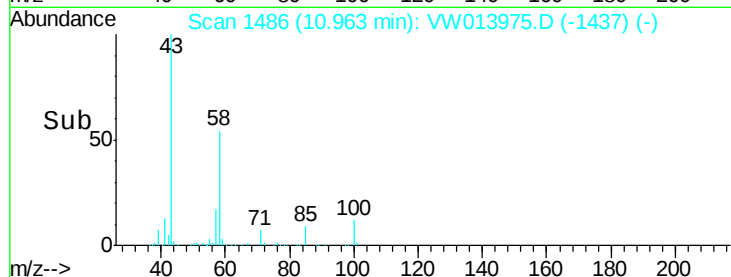
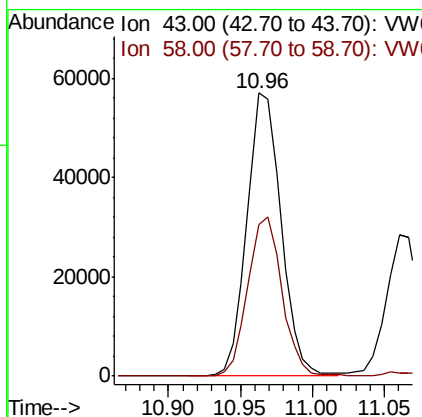
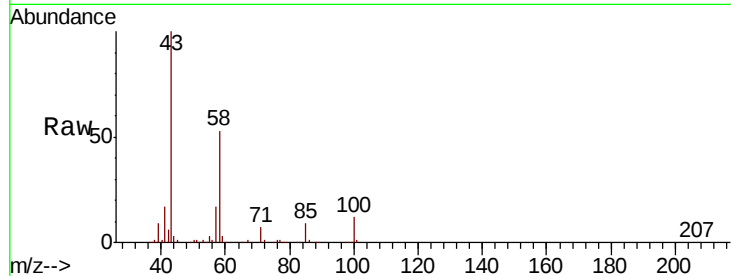
#59
2-Hexanone
Concen: 107.513 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion: 43 Resp: 94006
Ion Ratio Lower Upper
43 100
58 56.4 27.9 83.7

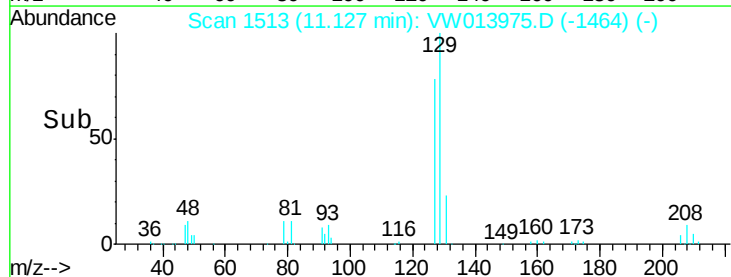
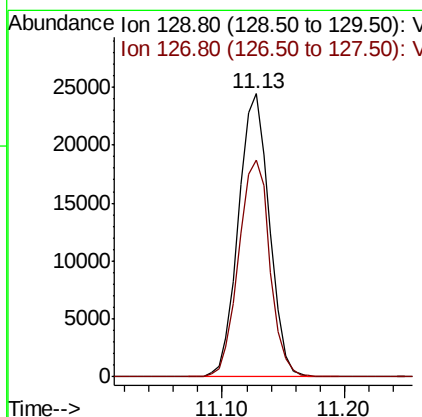
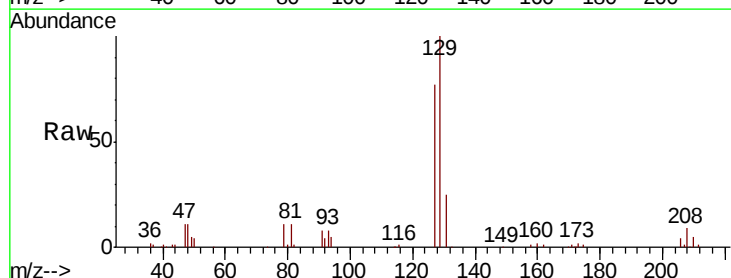
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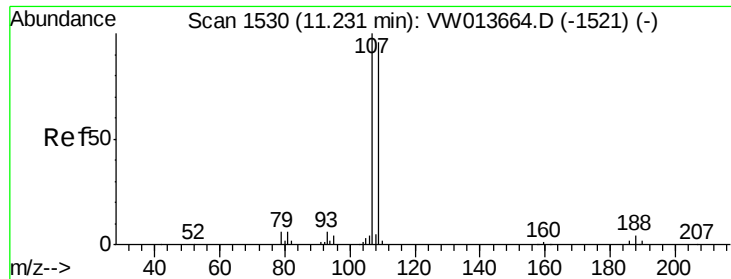
MMDadoda
11/13/2019 9:33:21 AM



#60
Dibromochloromethane
Concen: 21.131 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion: 129 Resp: 42733
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





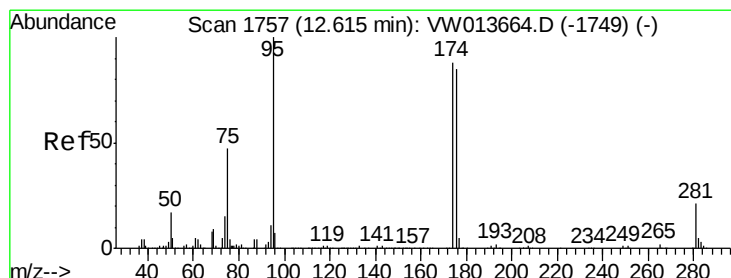
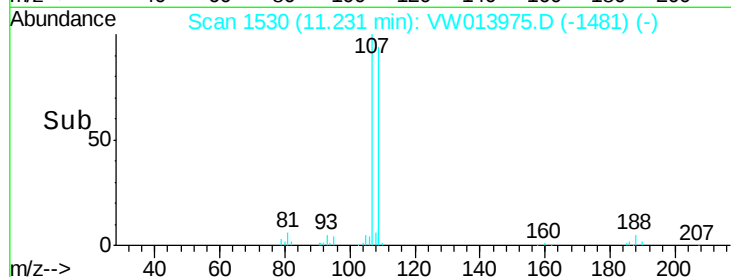
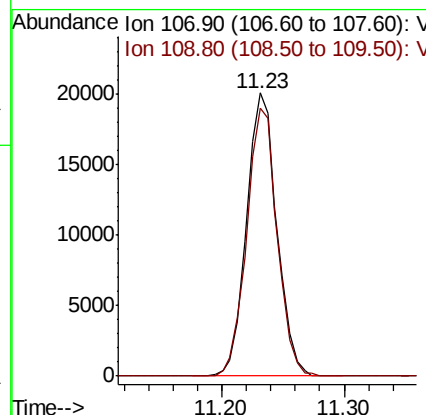
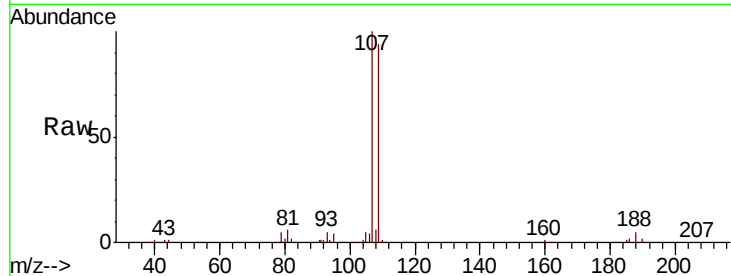
#61
1,2-Dibromoethane
Concen: 21.330 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion: 107 Resp: 34370
Ion Ratio Lower Upper
107 100
109 95.1 75.7 113.5

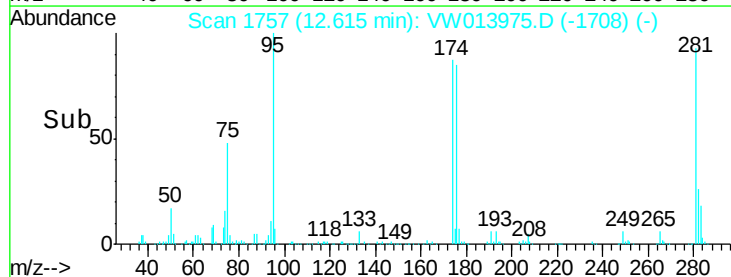
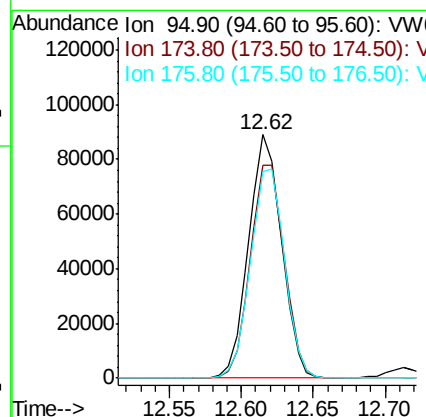
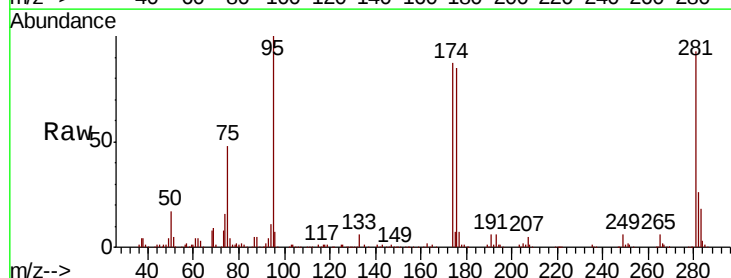
Manual Integrations
APPROVED

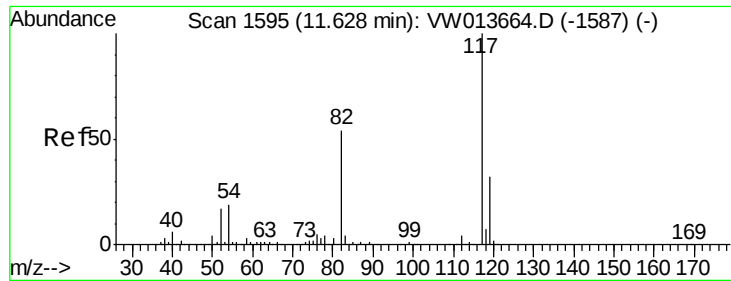
MMDadoda
11/13/2019 9:33:21 AM



#62
4-Bromofluorobenzene
Concen: 49.157 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion: 95 Resp: 140959
Ion Ratio Lower Upper
95 100
174 90.6 0.0 183.6
176 88.7 0.0 178.0





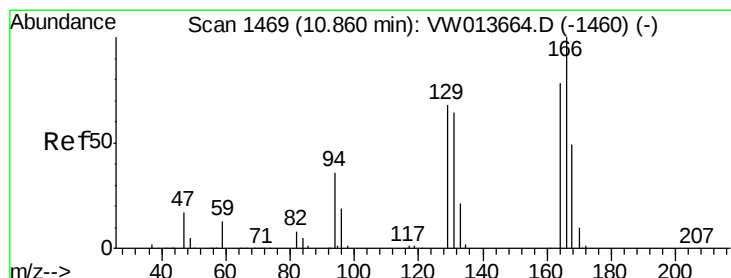
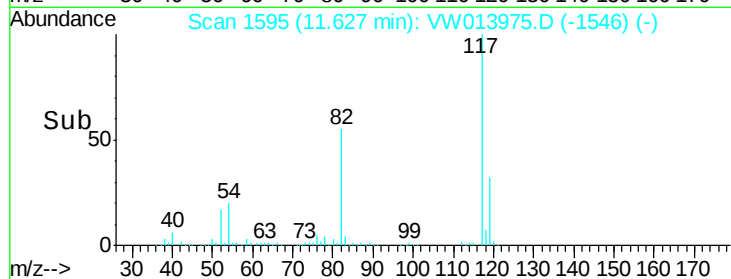
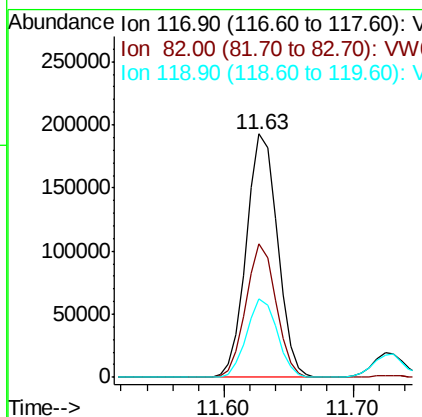
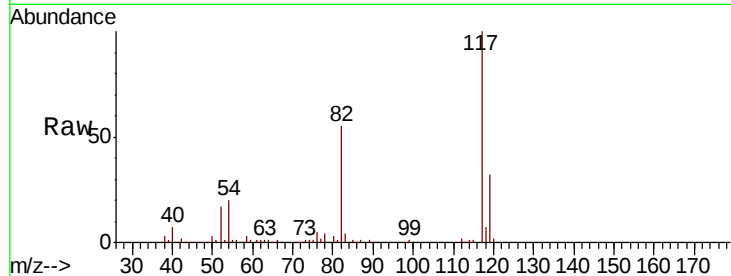
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.6	65.4
119	32.0	25.4	38.2

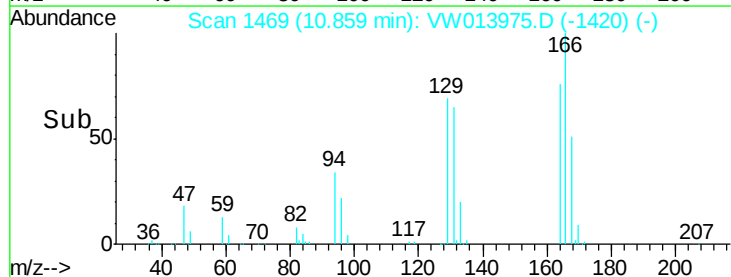
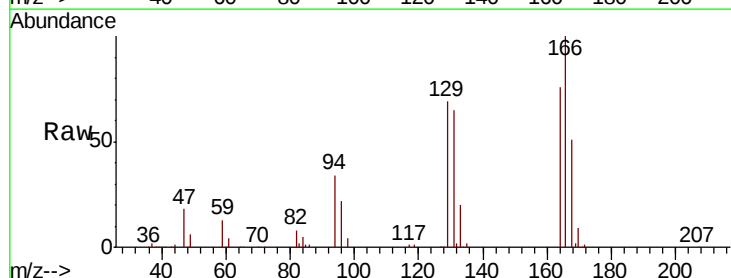
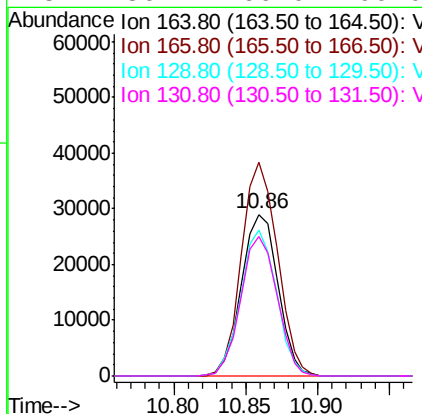
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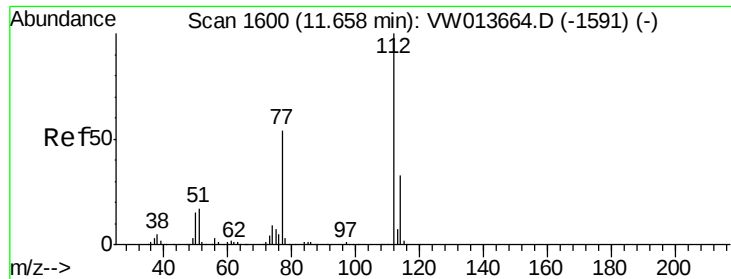
MMDadoda
11/13/2019 9:33:21 AM



#64
Tetrachloroethene
Concen: 20.844 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	103.2	154.8
129	90.7	70.6	105.8
131	86.4	66.0	99.0





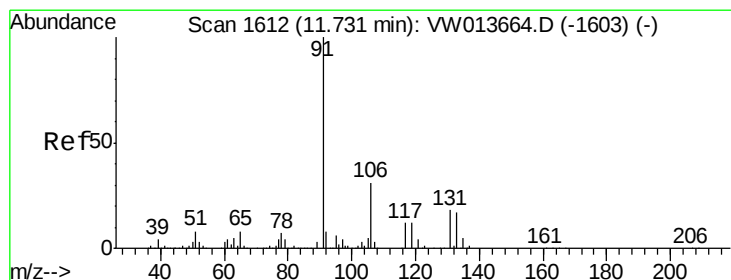
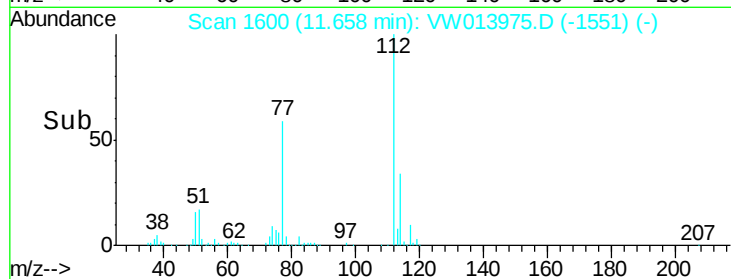
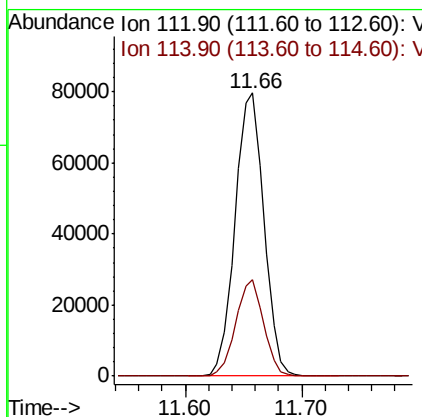
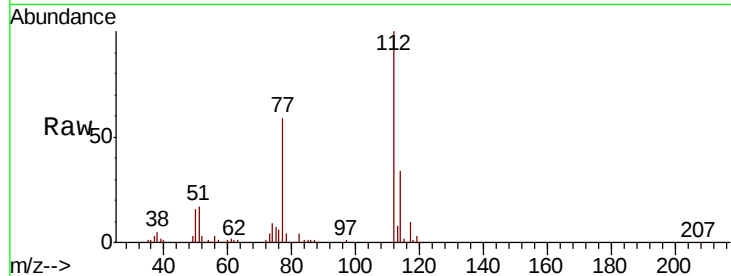
#65
Chlorobenzene
Concen: 20.861 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.2	26.2	39.4

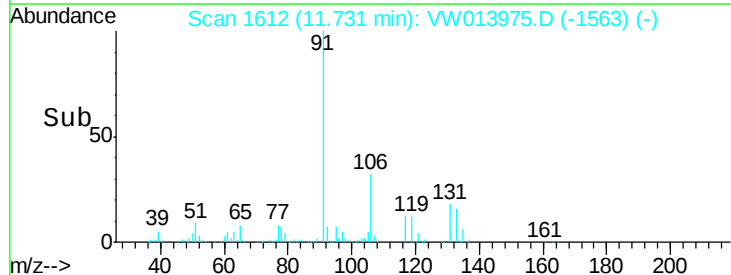
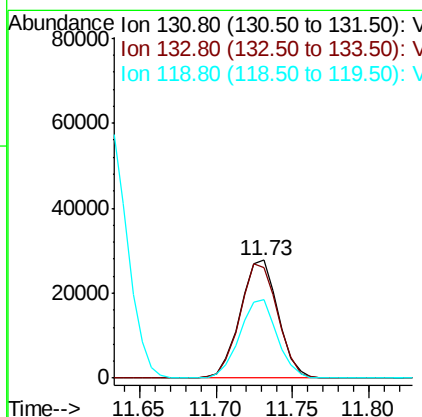
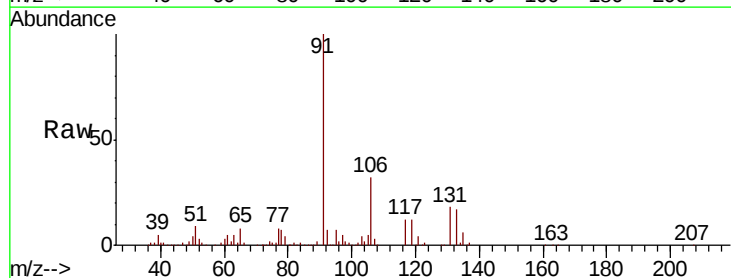
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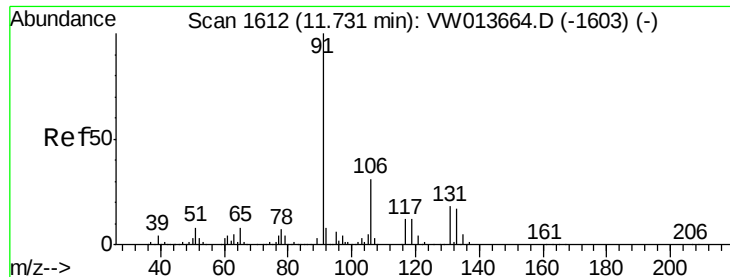
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.723 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.4	142.3
119	65.4	33.1	99.2





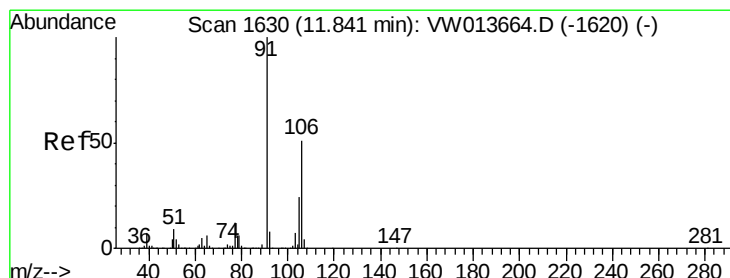
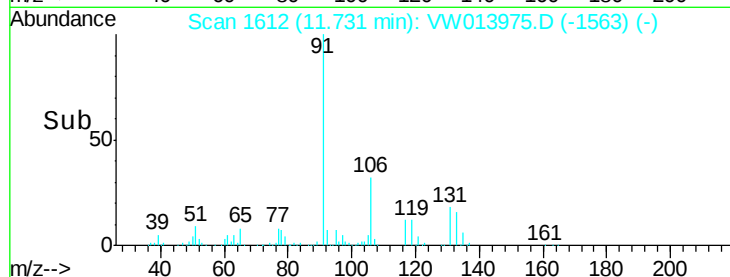
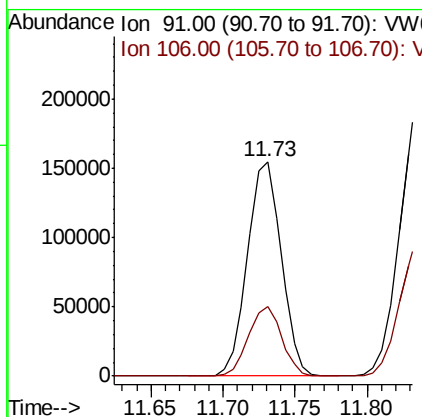
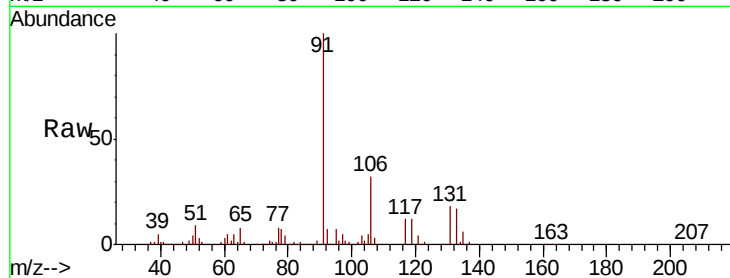
#67
Ethyl Benzene
Concen: 21.100 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion: 91 Resp: 251663
Ion Ratio Lower Upper
91 100
106 32.5 25.0 37.6

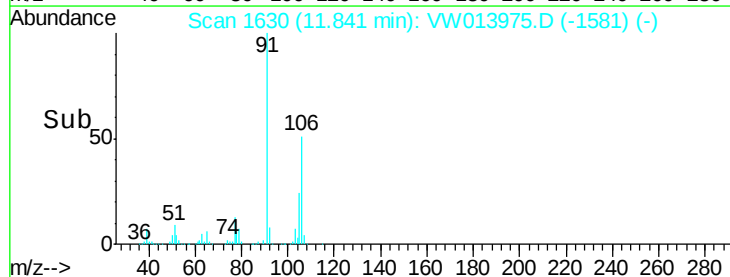
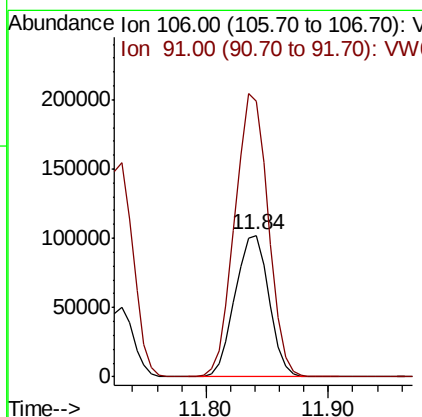
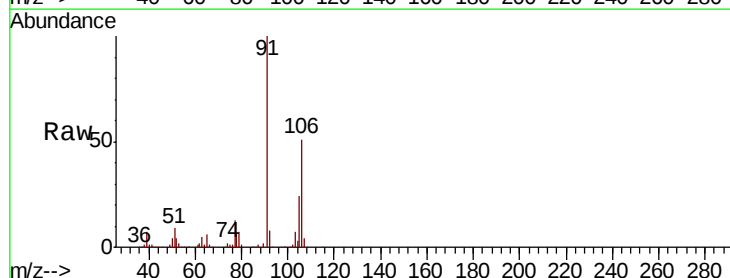
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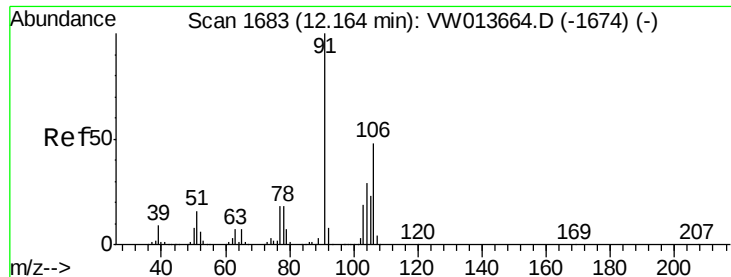
MMDadoda
11/13/2019 9:33:21 AM



#68
m/p-Xylenes
Concen: 42.701 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion: 106 Resp: 196767
Ion Ratio Lower Upper
106 100
91 197.1 159.2 238.8





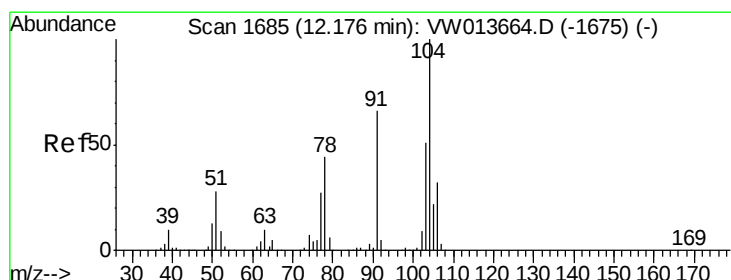
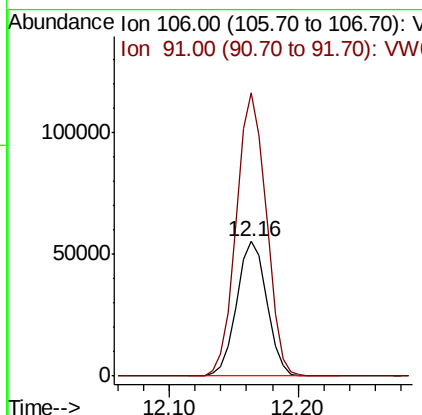
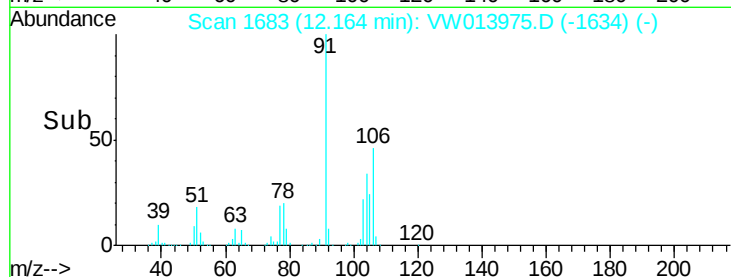
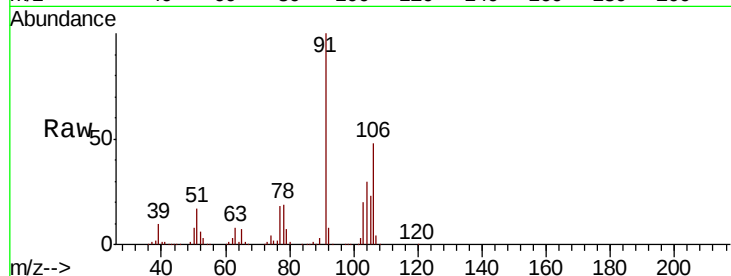
#69
o-Xylene
Concen: 21.175 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.2	104.9	314.7	

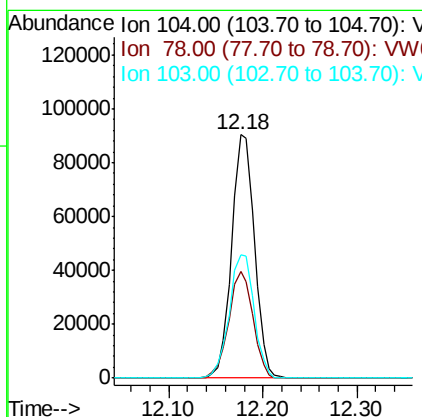
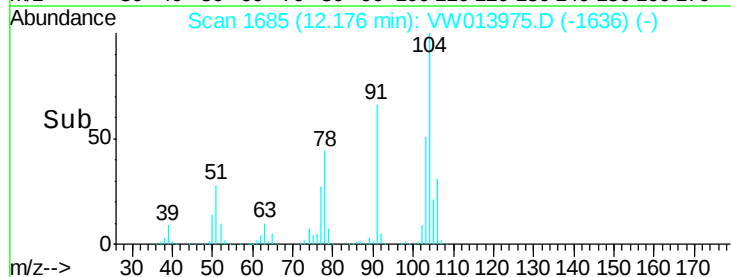
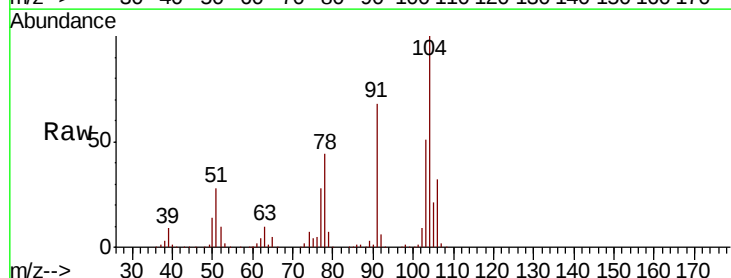
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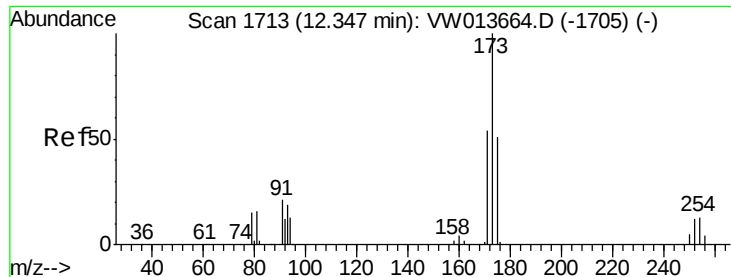
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#70
Styrene
Concen: 20.957 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.5	37.1	55.7	
103	55.2	43.6	65.4	





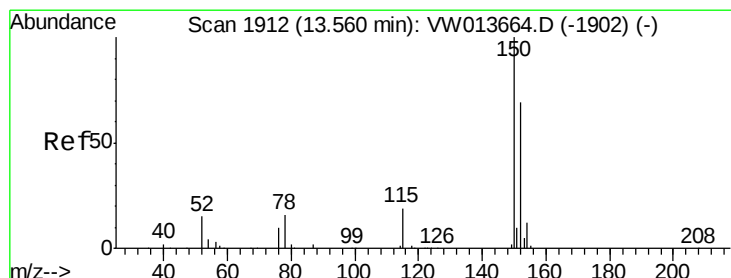
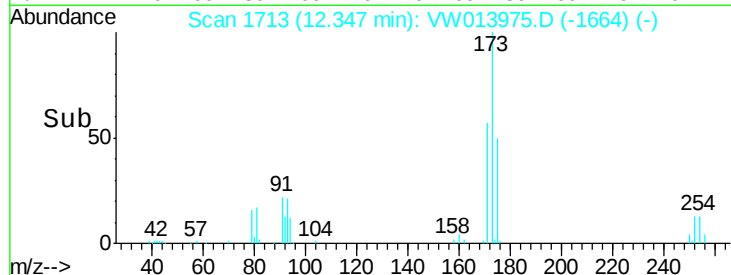
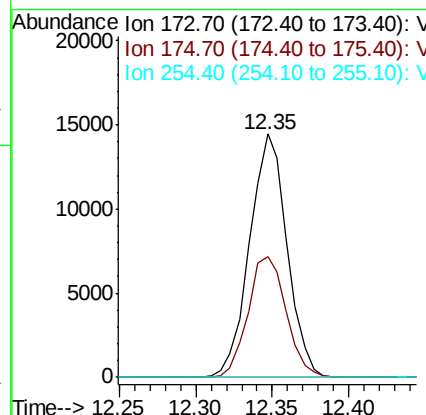
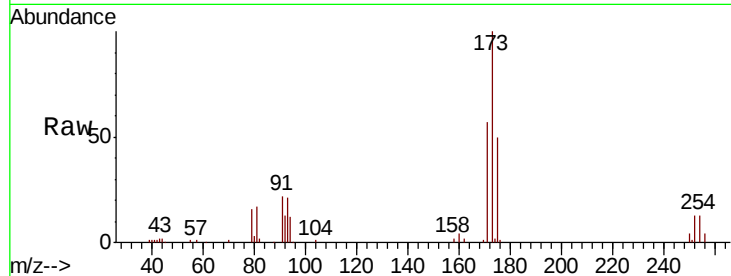
#71
Bromoform
Concen: 20.252 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	25.2	75.6
254	0.0	0.1	0.1

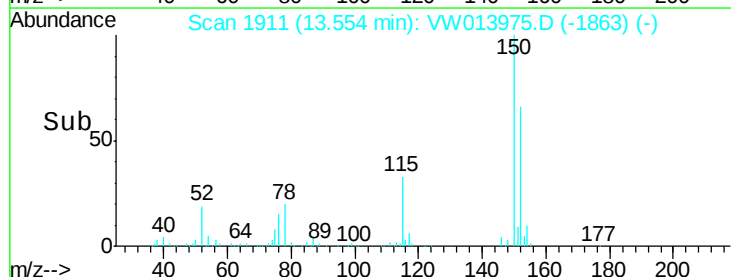
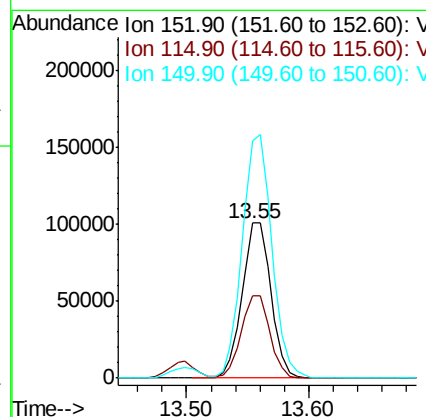
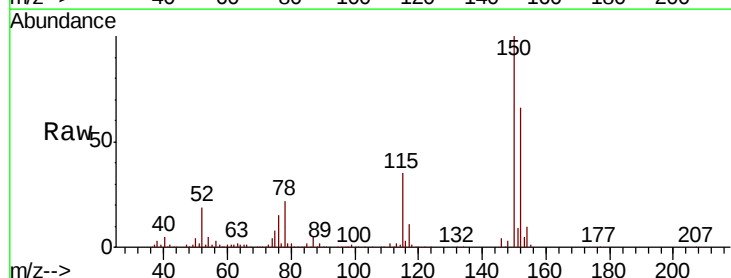
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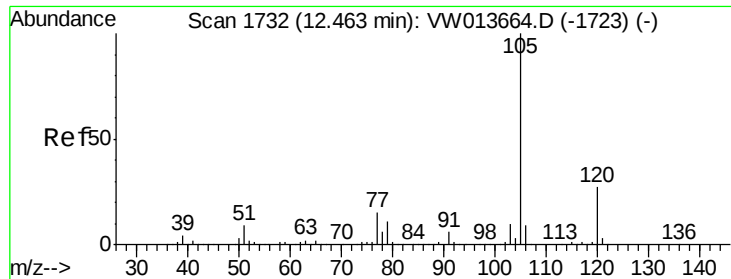
MMDadoda
11/13/2019 9:33:21 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.4	82.2
150	162.1	0.0	345.4





#73

Isopropylbenzene

Concen: 21.324 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 105 Resp: 250963

Ion Ratio Lower Upper

105 100

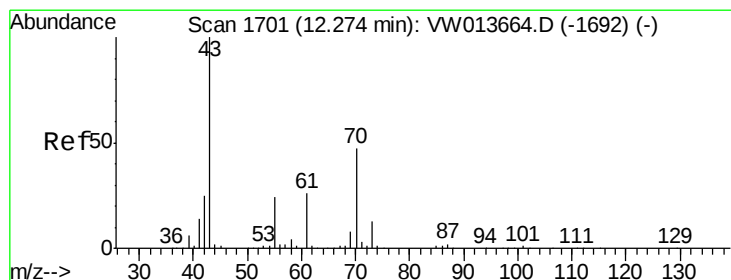
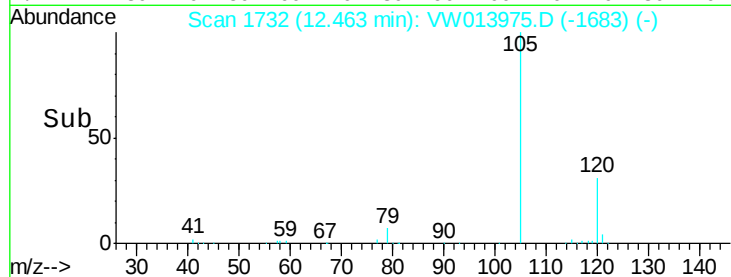
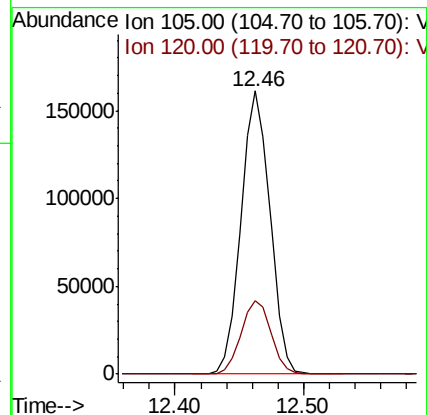
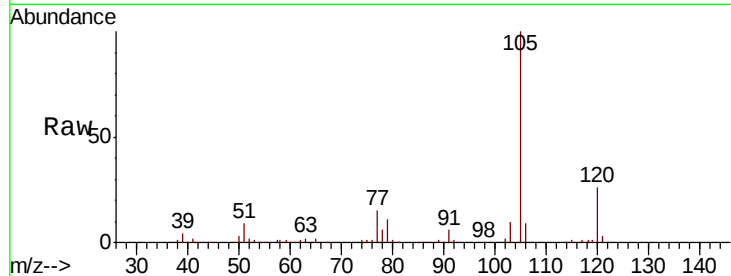
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.662 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Tgt Ion: 43 Resp: 49318

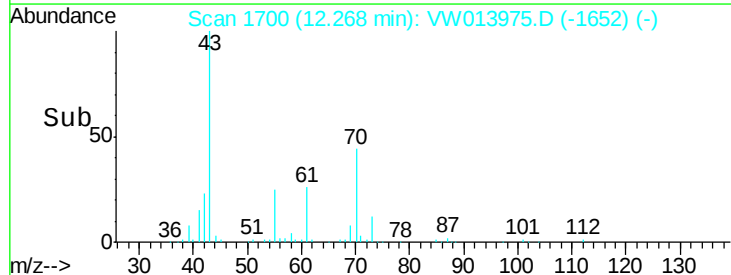
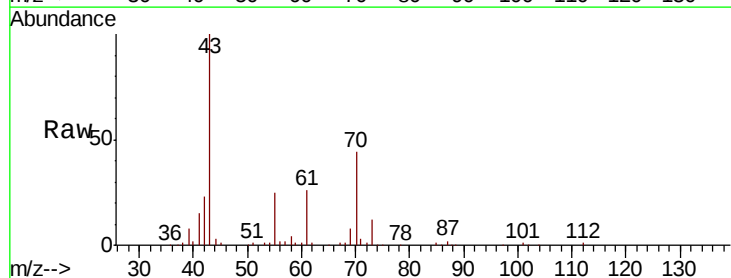
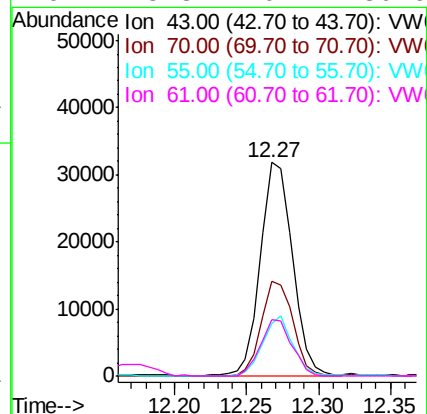
Ion Ratio Lower Upper

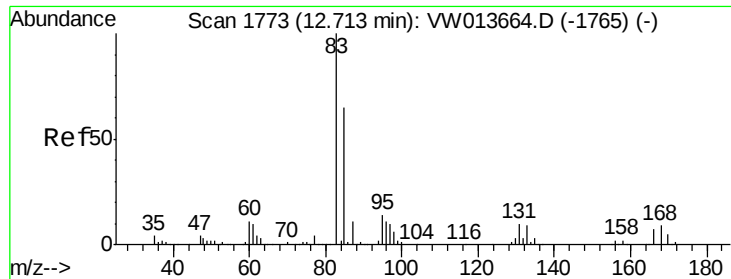
43 100

70 43.8 36.6 55.0

55 26.3 20.3 30.5

61 25.3 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.575 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 83 Resp: 40070

Ion Ratio Lower Upper

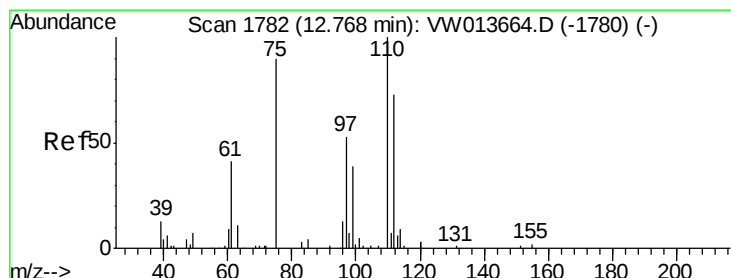
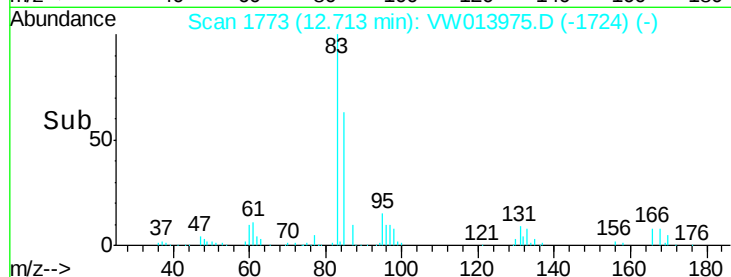
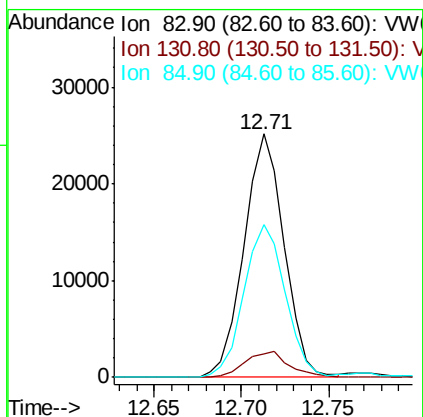
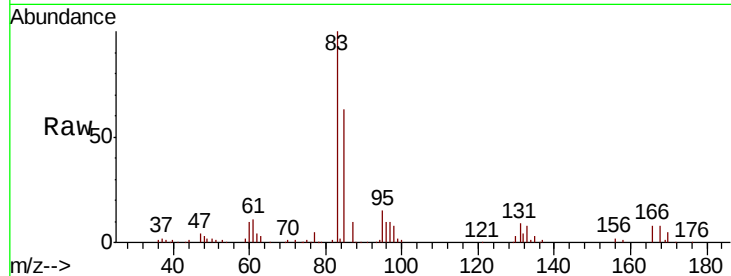
83 100

131 11.7 5.7 17.1

85 64.8 32.5 97.4

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#76

1,2,3-Trichloropropane

Concen: 25.727 ug/l m

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW013975.D

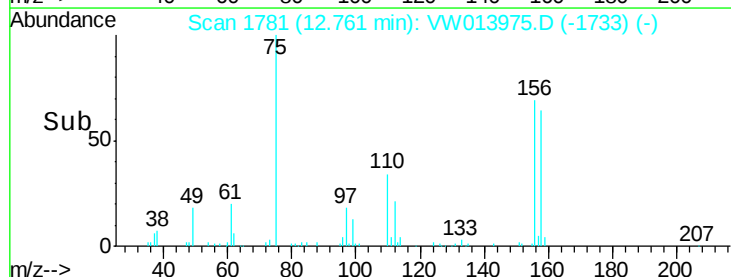
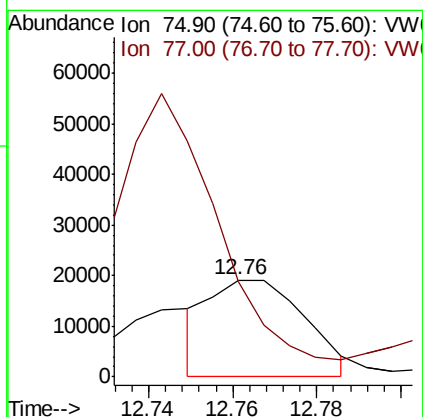
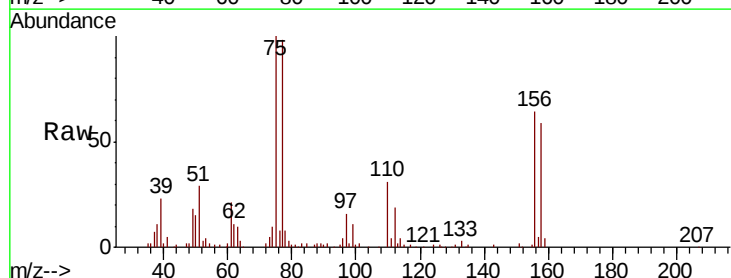
Acq: 12 Nov 2019 15:11

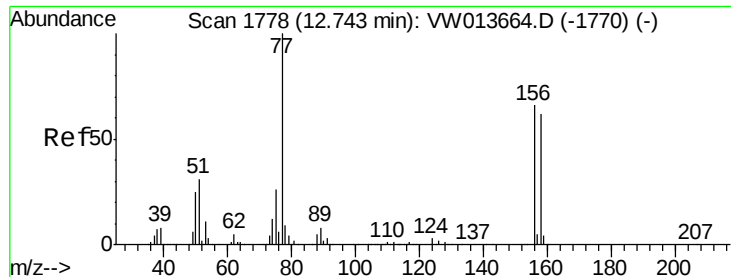
Tgt Ion: 75 Resp: 30279

Ion Ratio Lower Upper

75 100

77 329.5 0.0 0.0#





#77

Bromobenzene

Concen: 21.005 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

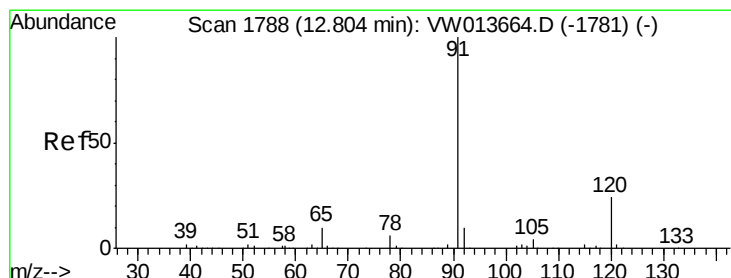
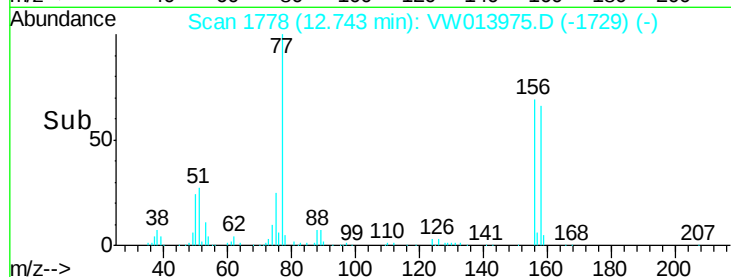
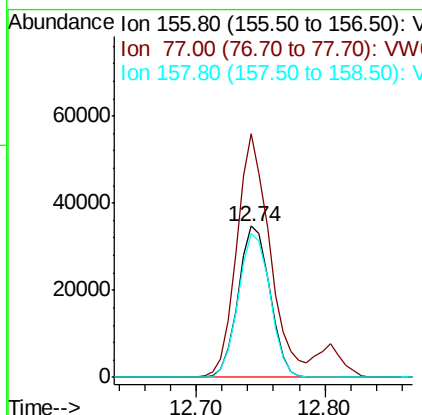
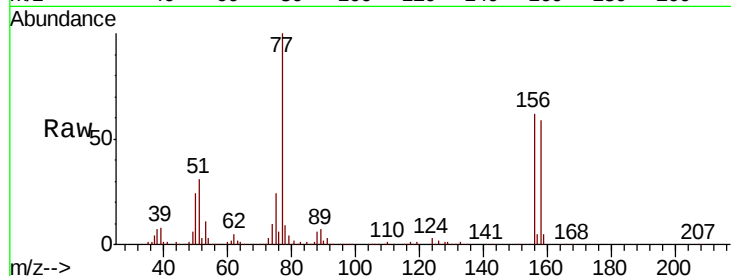
ClientSampleId :

VW1112SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.0	82.9	248.7
158	95.5	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 21.352 ug/l

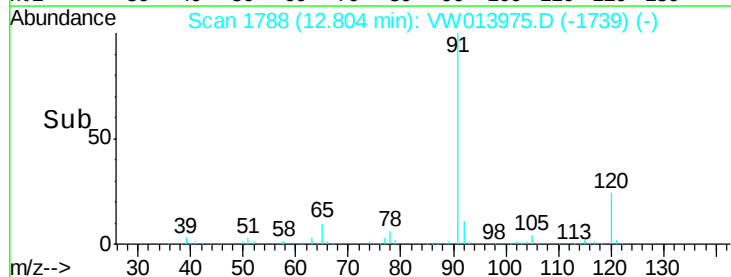
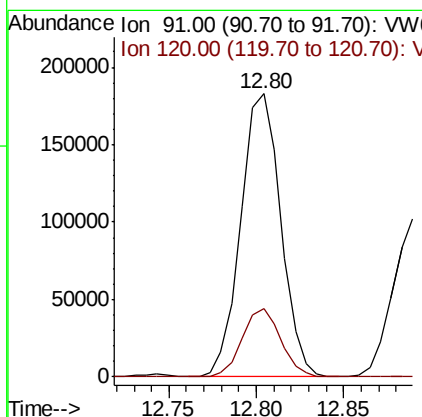
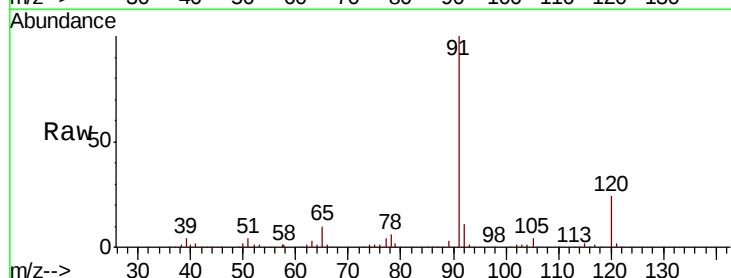
RT: 12.80 min Scan# 1788

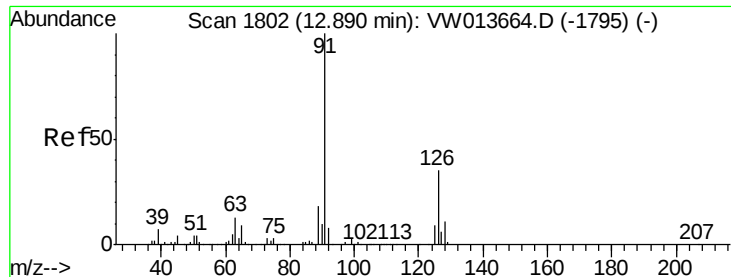
Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	12.0	36.0





#79

2-Chlorotoluene

Concen: 21.448 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 91 Resp: 164187

Ion Ratio Lower Upper

91 100

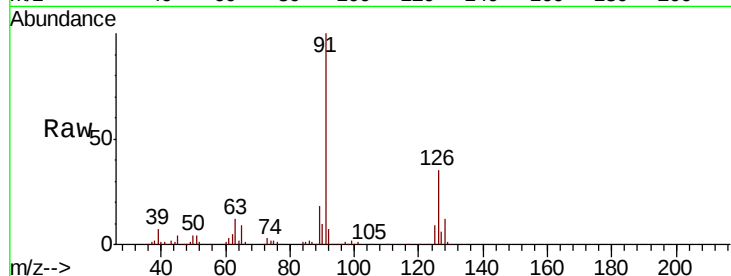
126 34.9 17.4 52.2

Manual Integrations

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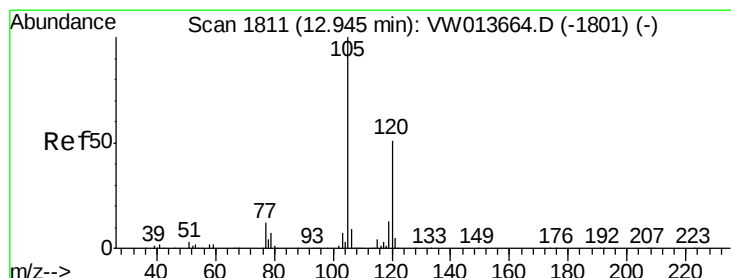
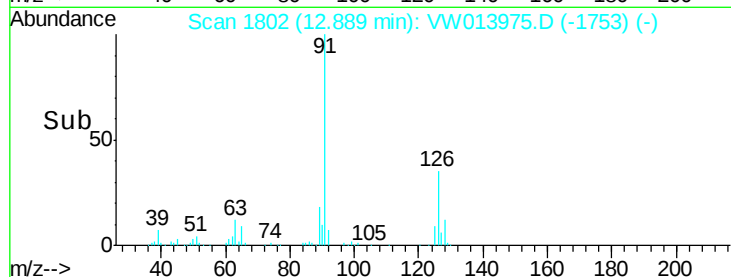
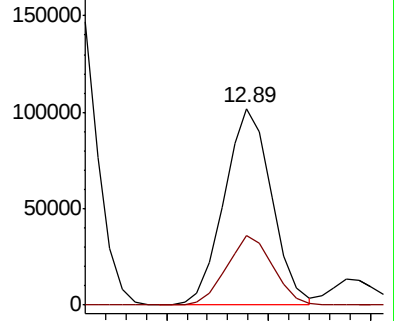
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.321 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013975.D

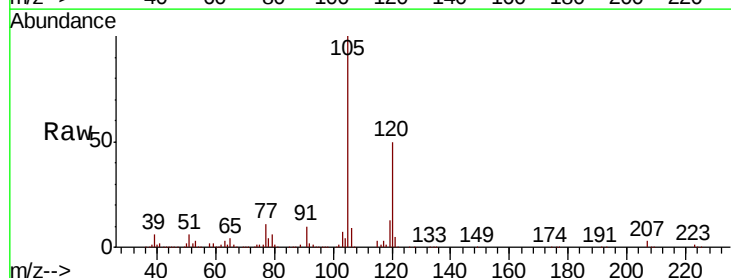
Acq: 12 Nov 2019 15:11

Tgt Ion:105 Resp: 211824

Ion Ratio Lower Upper

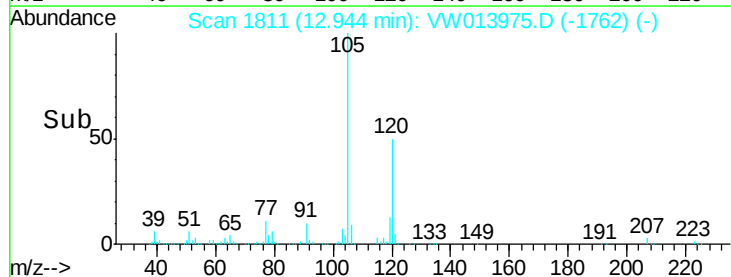
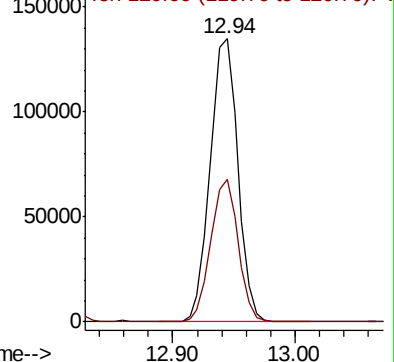
105 100

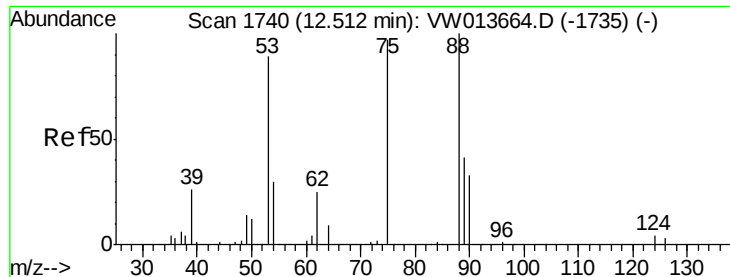
120 49.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





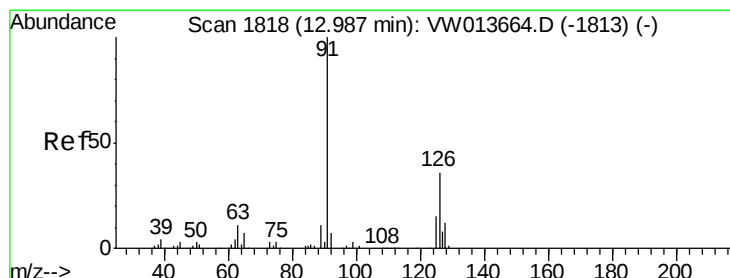
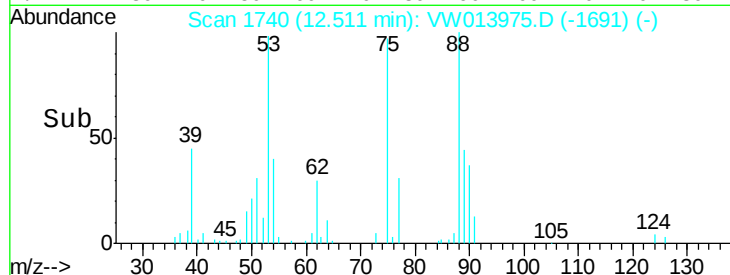
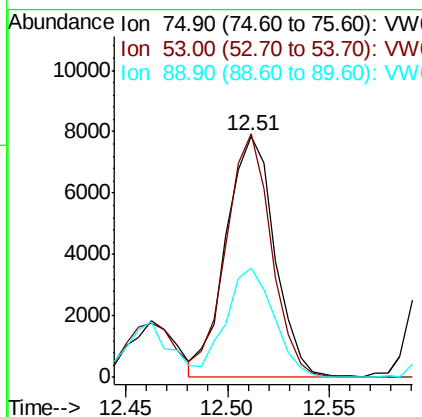
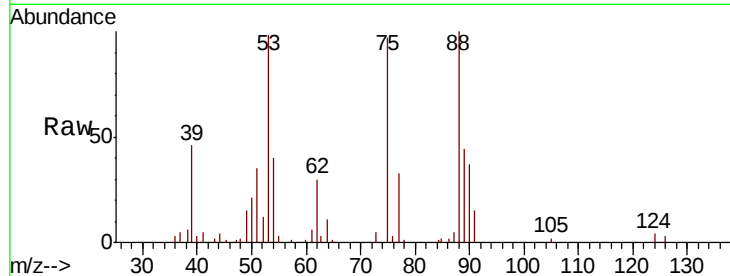
#81
trans-1,4-Dichloro-2-butene
Concen: 20.809 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	71.7	107.5
89	44.0	35.8	53.8

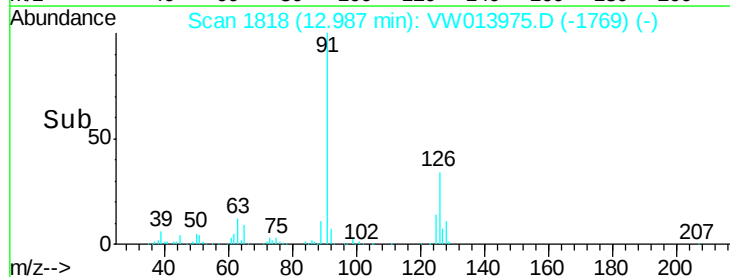
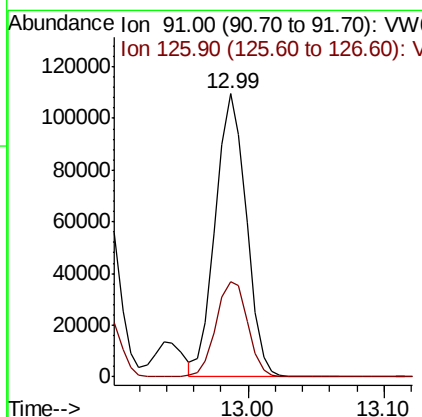
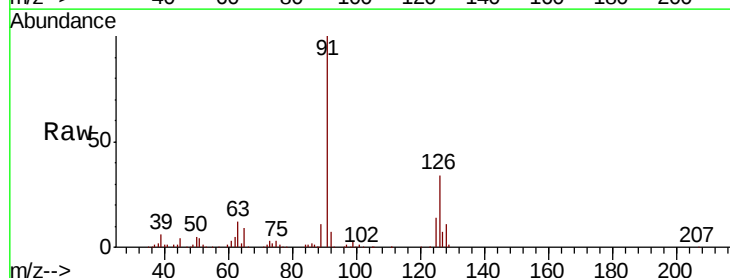
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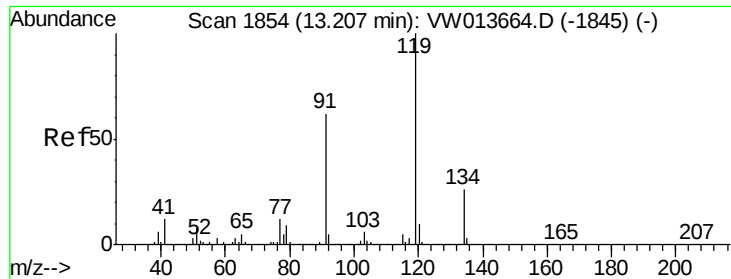
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#82
4-Chlorotoluene
Concen: 21.548 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.5





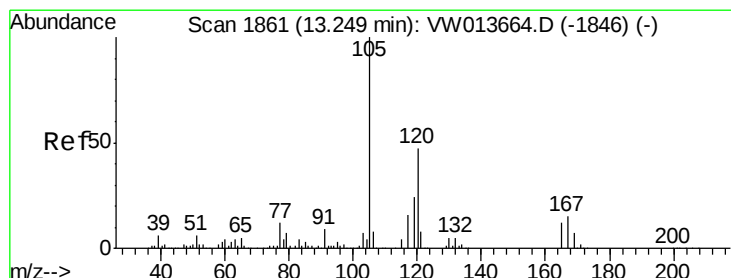
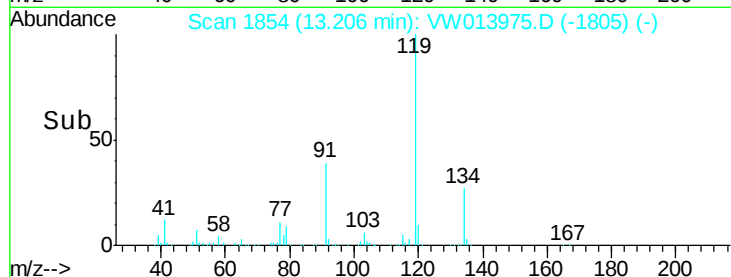
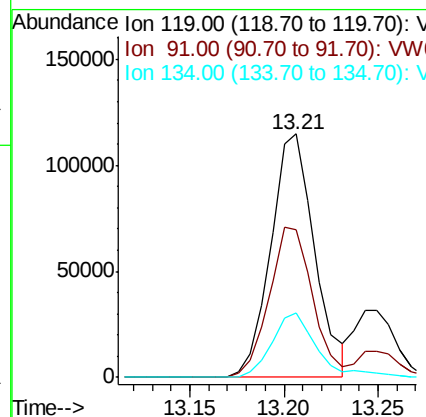
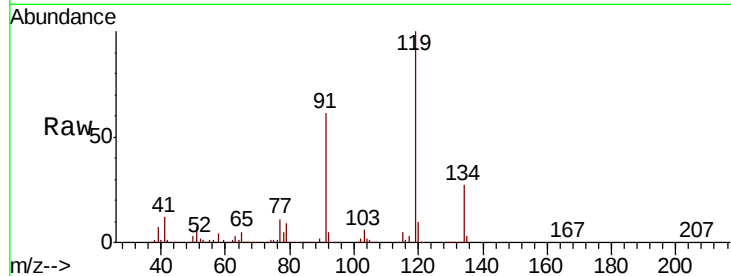
#83
tert-Butylbenzene
Concen: 20.941 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.4	91.3
134	27.7	13.6	40.8

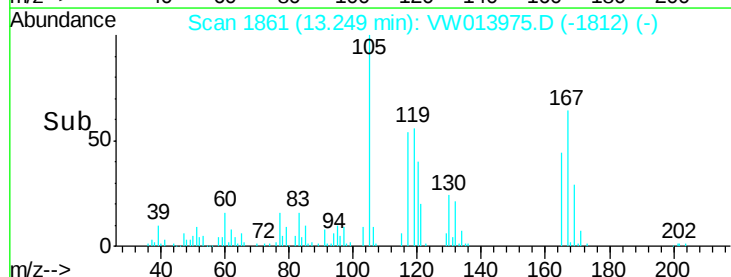
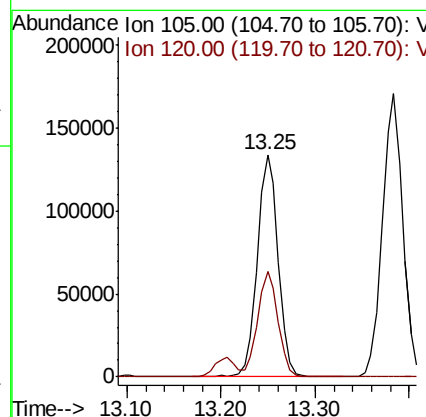
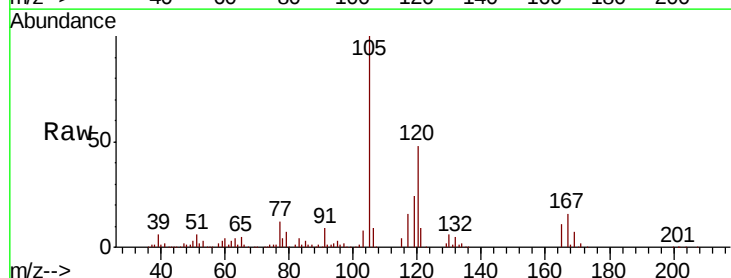
Manual Integrations
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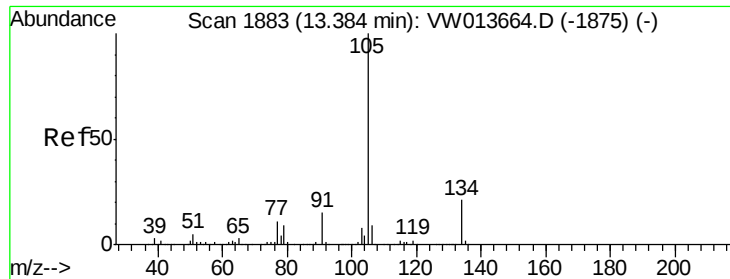
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#84
1,2,4-Trimethylbenzene
Concen: 21.256 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.5	70.5





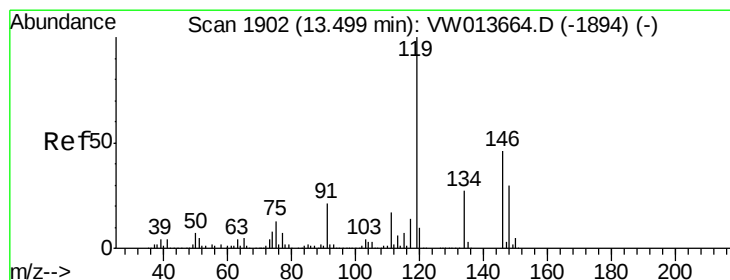
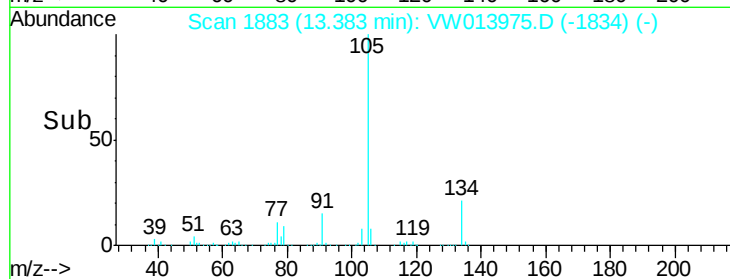
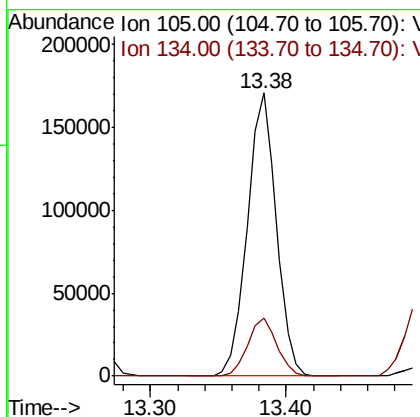
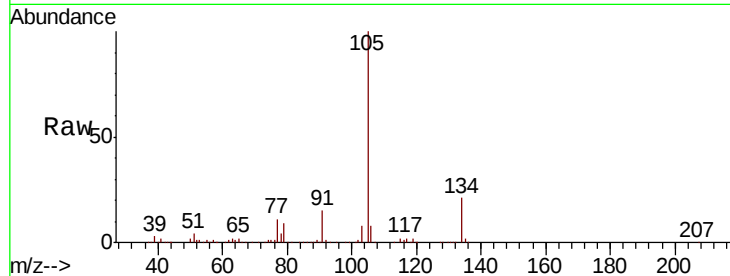
#85
 sec-Butylbenzene
 Concen: 21.115 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.5	31.5

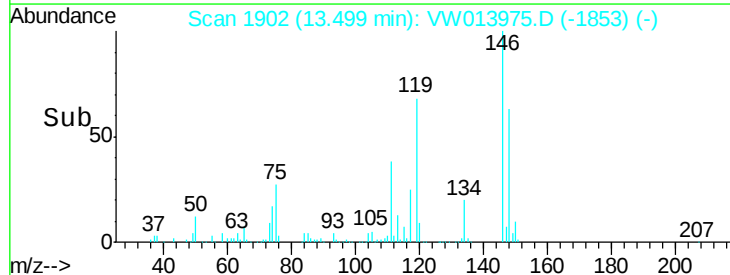
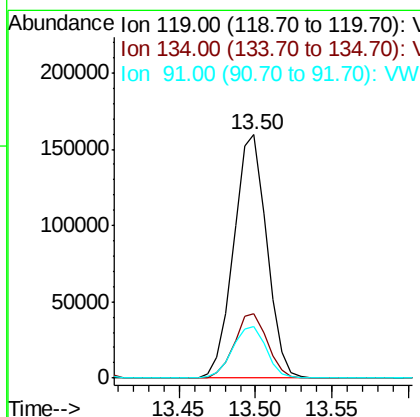
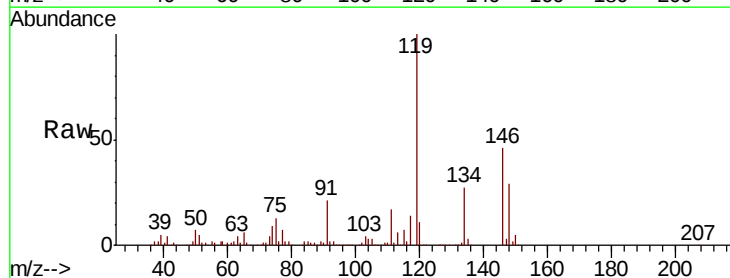
Manual Integrations
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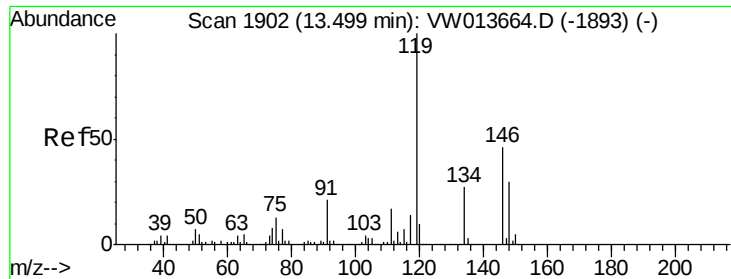
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#86
 p-Isopropyltoluene
 Concen: 21.195 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.1
91	21.8	10.8	32.3





#87

1,3-Dichlorobenzene

Concen: 21.218 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

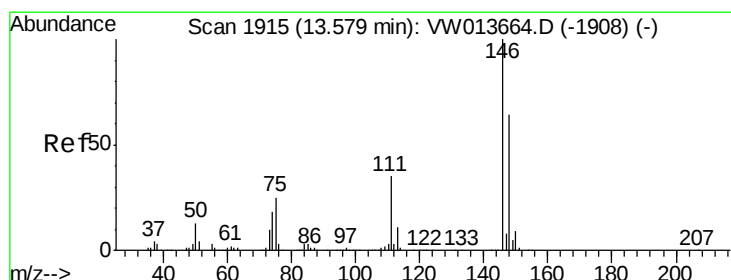
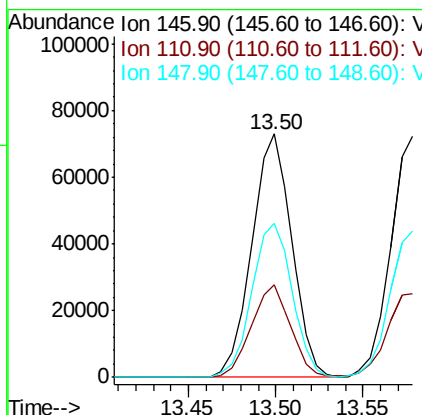
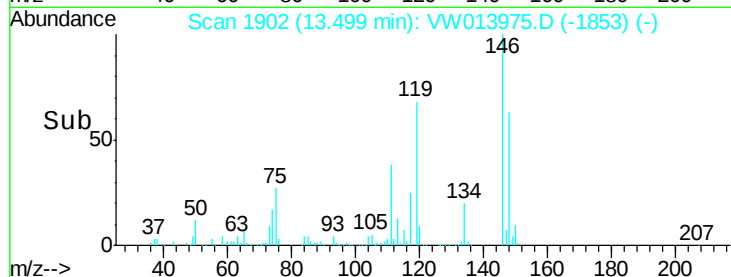
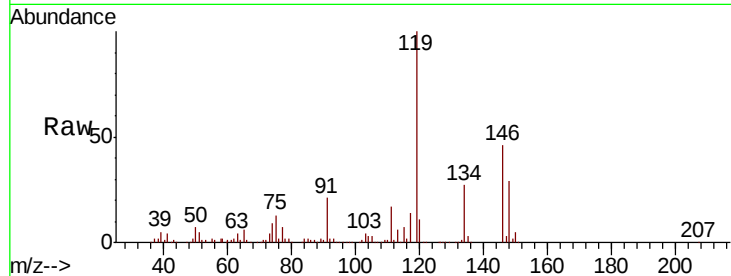
Instrument :
MSVOA_W

ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	115583		
111	37.4	18.6	56.0	
148	63.8	31.7	95.1	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.093 ug/l

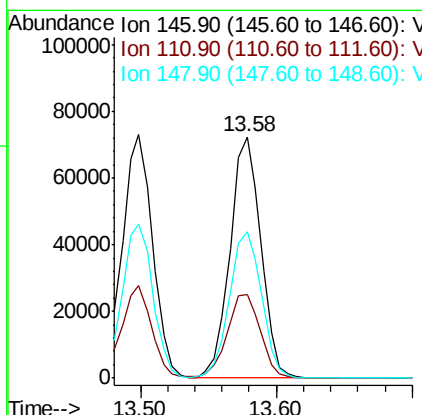
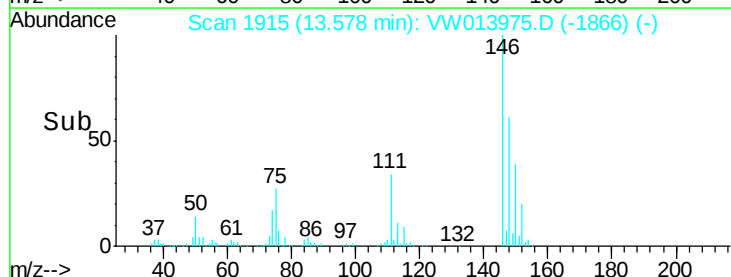
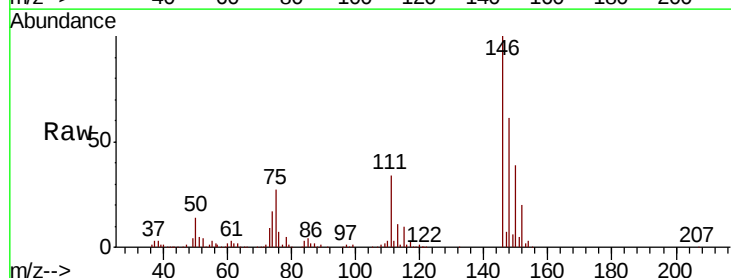
RT: 13.58 min Scan# 1915

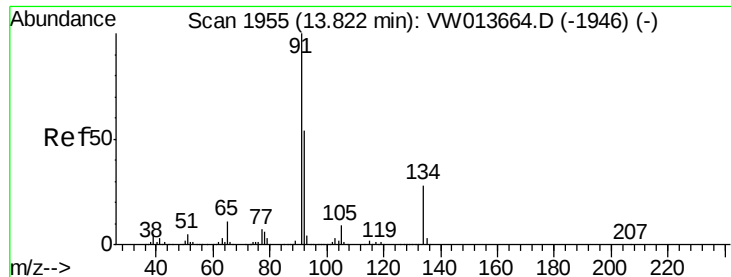
Delta R.T. -0.00 min

Lab File: VW013975.D

Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114149		
111	37.4	18.1	54.3	
148	63.2	32.0	96.2	





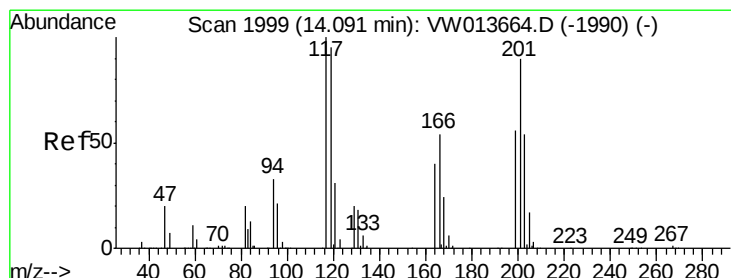
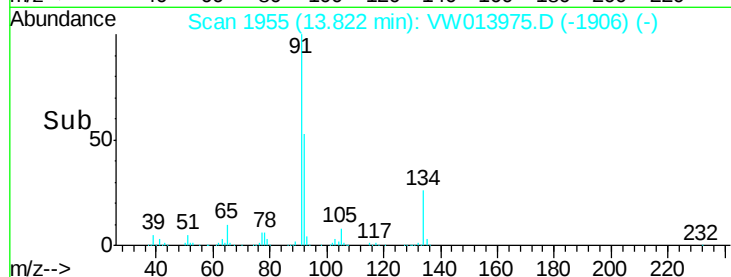
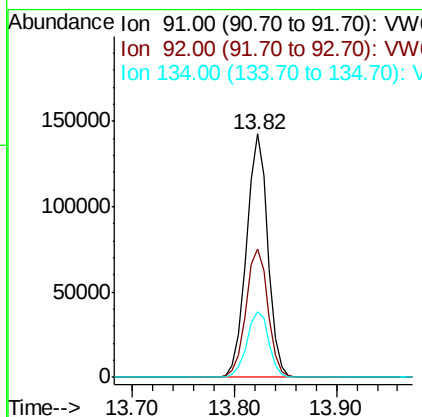
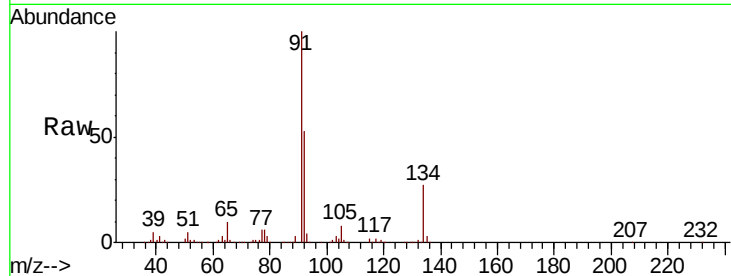
#89
n-Butylbenzene
Concen: 20.530 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.5	82.4
134	27.7	14.0	41.9

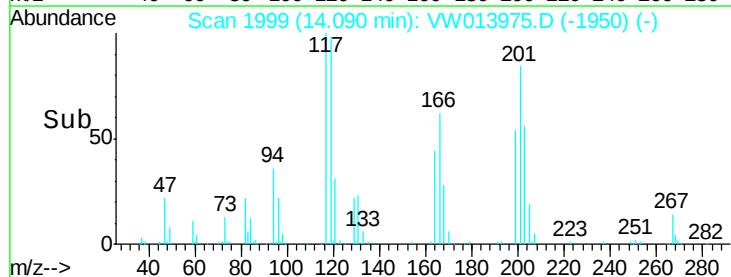
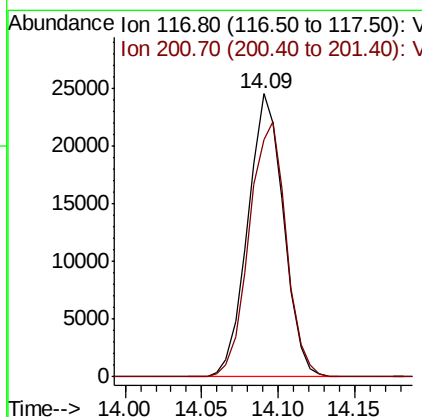
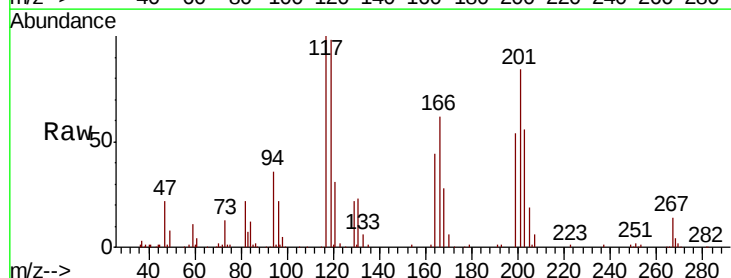
Manual Integrations
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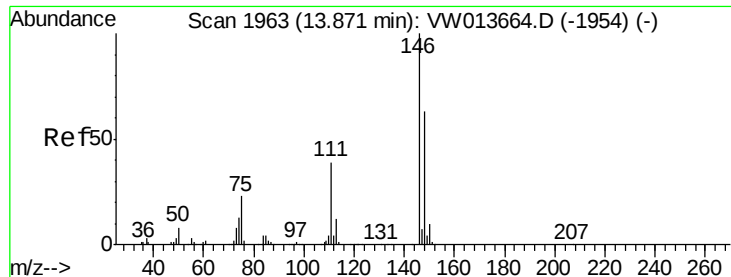
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#90
Hexachloroethane
Concen: 20.443 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.7	46.1	138.2





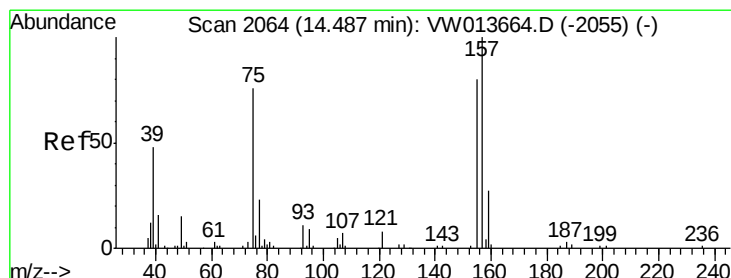
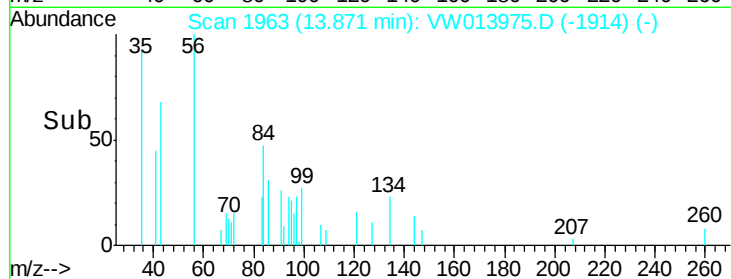
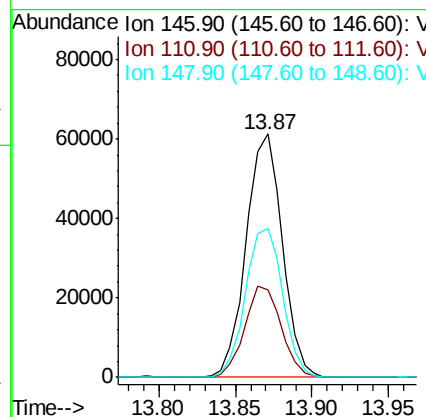
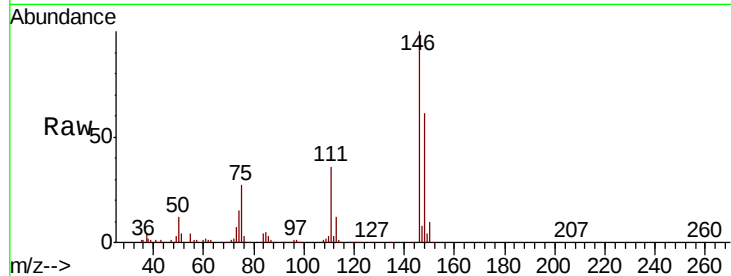
#91
 1,2-Dichlorobenzene
 Concen: 21.284 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.9	59.6
148	63.3	31.9	95.9

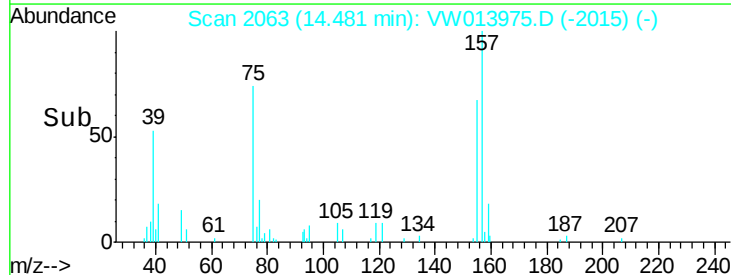
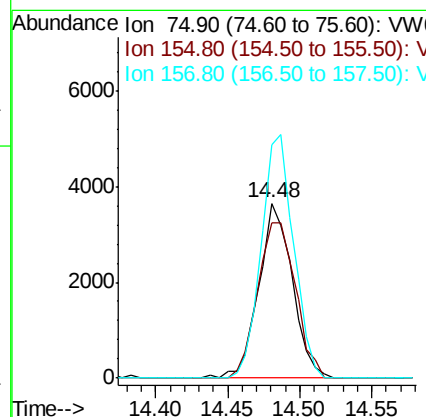
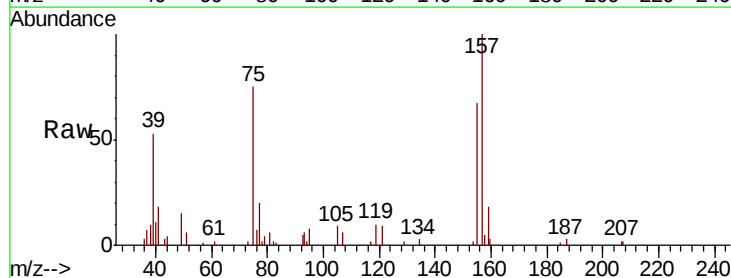
Manual Integrations
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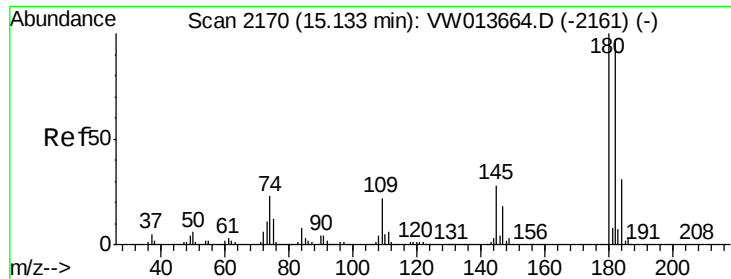
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 11/13/2019 9:33:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.738 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	51.9	155.7
157	135.2	64.8	194.3





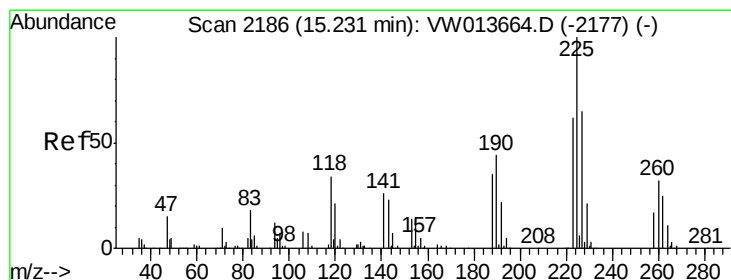
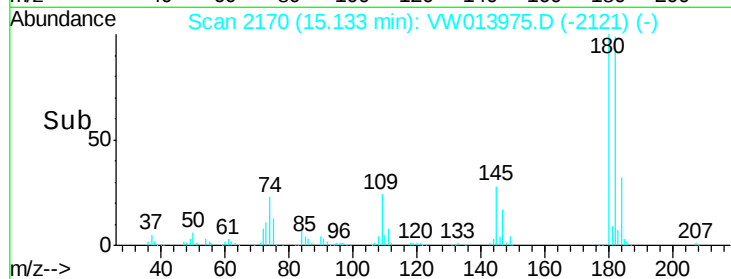
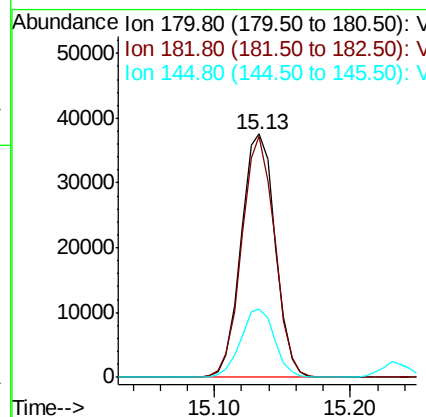
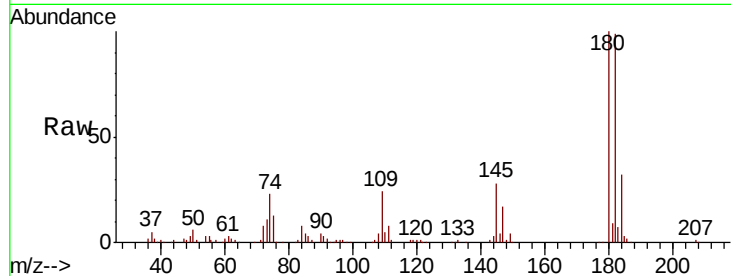
#93
 1,2,4-Trichlorobenzene
 Concen: 19.073 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	28.0	14.1	42.3

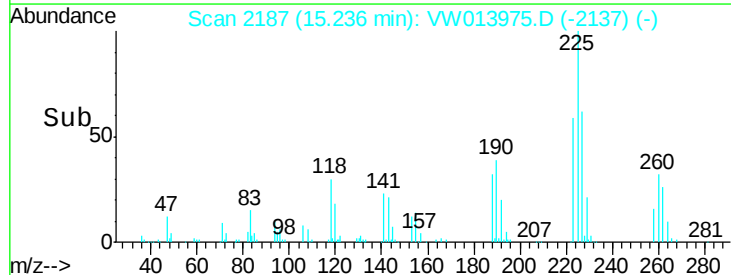
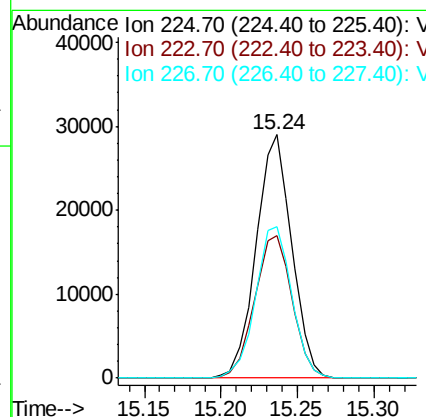
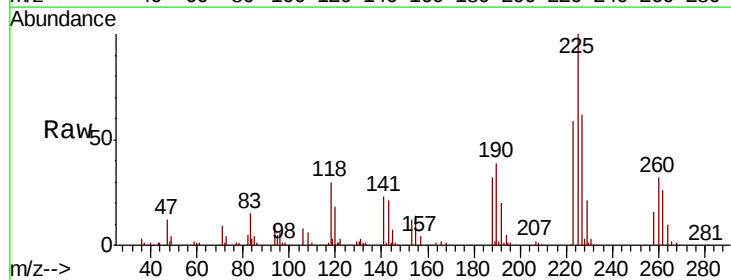
Manual Integrations
 APPROVED

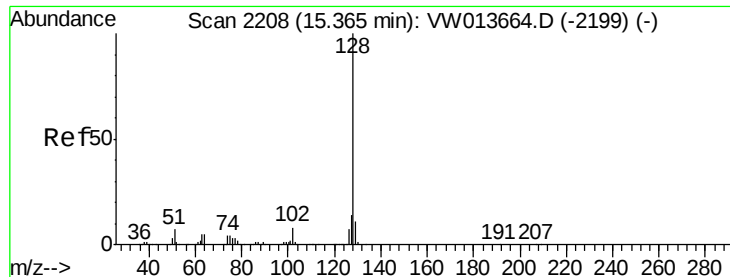
MMDadoda
 11/13/2019 9:33:21 AM



#94
 Hexachlorobutadiene
 Concen: 20.264 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013975.D
 Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.9	95.9
227	63.2	32.5	97.4





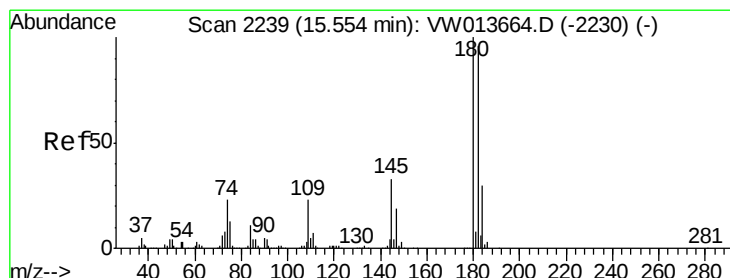
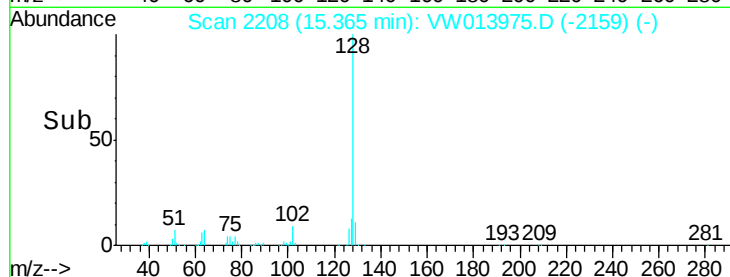
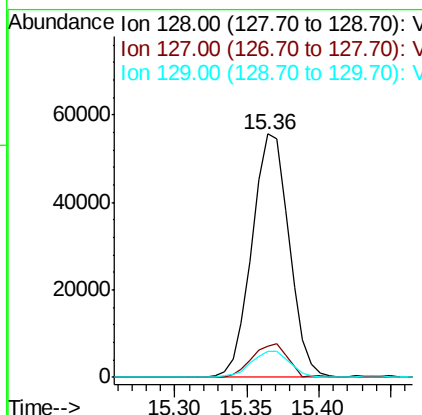
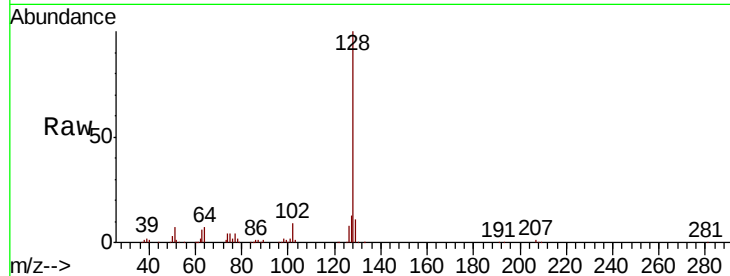
#95
Naphthalene
Concen: 18.459 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/13/2019 9:33:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.680 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013975.D
Acq: 12 Nov 2019 15:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.3
145	30.7	14.9	44.9

