

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081619\
 Data File : VW011933.D
 Acq On : 15 Aug 2019 17:26
 Operator : SY/VA
 Sample : VW0816SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:27:17 AM

Quant Time: Aug 16 04:42:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130373	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.88	113	105121	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
50) Toluene-d8	10.32	98	426001	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
62) 4-Bromofluorobenzene	12.62	95	149577	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27260	23.576	ug/l	92
3) Chloromethane	2.21	50	44008	21.950	ug/l	99
4) Vinyl Chloride	2.36	62	52707	21.836	ug/l	99
5) Bromomethane	2.76	94	27204	20.361	ug/l	92
6) Chloroethane	2.92	64	29205	21.181	ug/l	93
7) Trichlorofluoromethane	3.25	101	24103	22.343	ug/l	98
8) Diethyl Ether	3.68	74	25002	20.441	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44016	21.509	ug/l	100
10) Methyl Iodide	4.27	142	59802	20.679	ug/l	98
11) Tert butyl alcohol	5.16	59	16072	79.235	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	45329	20.979	ug/l	97
13) Acrolein	3.89	56	11947	69.891	ug/l	95
14) Allyl chloride	4.67	41	95750	20.835	ug/l	98
15) Acrylonitrile	5.36	53	62681	102.660	ug/l	98
16) Acetone	4.12	43	59964	79.129	ug/l	97
17) Carbon Disulfide	4.39	76	138508	20.481	ug/l	98
18) Methyl Acetate	4.67	43	35271	20.718	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	70625	20.598	ug/l	98
20) Methylene Chloride	4.91	84	53562	20.494	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49154	21.101	ug/l	95
22) Diisopropyl ether	6.31	45	183295	21.155	ug/l	95
23) Vinyl Acetate	6.25	43	548686	100.782	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98594	21.247	ug/l	99
25) 2-Butanone	7.17	43	87622	88.363	ug/l	100
26) 2,2-Dichloropropane	7.17	77	54473	19.088	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	53859	21.008	ug/l	99
28) Bromochloromethane	7.51	49	45914	22.292	ug/l #	99
29) Tetrahydrofuran	7.53	42	55885	98.595	ug/l	99
30) Chloroform	7.67	83	92014	21.493	ug/l	99
31) Cyclohexane	7.95	56	93298	20.946	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	71921	22.060	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74915	21.205	ug/l	99
37) Ethyl Acetate	7.25	43	40128	19.742	ug/l	100
38) Carbon Tetrachloride	8.07	117	65195	21.556	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80855	20.784	ug/l	97
40) Benzene	8.32	78	207953	21.014	ug/l	100
41) Methacrylonitrile	7.49	41	23745	19.543	ug/l	98
42) 1,2-Dichloroethane	8.40	62	65541	21.154	ug/l	99
43) Isopropyl Acetate	8.43	43	74133	19.832	ug/l	99
44) Trichloroethene	9.09	130	49478	20.803	ug/l	100
45) 1,2-Dichloropropane	9.37	63	56285	21.257	ug/l	99
46) Dibromomethane	9.46	93	24698	20.437	ug/l	99
47) Bromodichloromethane	9.65	83	66167	20.872	ug/l	100
48) Methyl methacrylate	9.43	41	35776	19.924	ug/l	98
49) 1,4-Dioxane	9.45	88	7525	430.036	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	191170	98.320	ug/l	100
52) Toluene	10.39	92	125167	20.945	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	65620	19.816	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	79316	20.144	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35396	20.643	ug/l	98
56) Ethyl methacrylate	10.65	69	49077	19.559	ug/l	98
57) 1,3-Dichloropropane	10.93	76	66326	20.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	126863	111.356	ug/l	100
59) 2-Hexanone	10.97	43	131718	95.945	ug/l	99
60) Dibromochloromethane	11.13	129	39267	20.630	ug/l	97
61) 1,2-Dibromoethane	11.24	107	31998	19.719	ug/l	98
64) Tetrachloroethene	10.86	164	40968	21.052	ug/l	95
65) Chlorobenzene	11.66	112	126901	21.119	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	43168	20.625	ug/l	97
67) Ethyl Benzene	11.73	91	239295	20.910	ug/l	100
68) m/p-Xylenes	11.84	106	175032	42.056	ug/l	100
69) o-Xylene	12.16	106	80308	20.765	ug/l	98
70) Styrene	12.18	104	139960	20.930	ug/l	100
71) Bromoform	12.35	173	21251	19.914	ug/l #	98
73) Isopropylbenzene	12.46	105	225302	20.906	ug/l	99
74) N-amyl acetate	12.27	43	68602	20.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41902	20.671	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	29997m	19.625	ug/l	
77) Bromobenzene	12.75	156	50260	21.100	ug/l	98
78) n-propylbenzene	12.80	91	274273	20.912	ug/l	99
79) 2-Chlorotoluene	12.89	91	156839	20.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	194011	21.477	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12783	19.274	ug/l	93
82) 4-Chlorotoluene	12.99	91	167768	21.163	ug/l	100
83) tert-Butylbenzene	13.21	119	159881	21.164	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	191865	21.084	ug/l	99
85) sec-Butylbenzene	13.38	105	227590	21.114	ug/l	100
86) p-Isopropyltoluene	13.50	119	206417	21.106	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	95941	20.542	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96613	20.795	ug/l	98
89) n-Butylbenzene	13.82	91	202858	20.785	ug/l	99
90) Hexachloroethane	14.09	117	35382	20.459	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	85604	20.723	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7006	20.268	ug/l	96

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ClientSampleId :
VW0816SBSD01

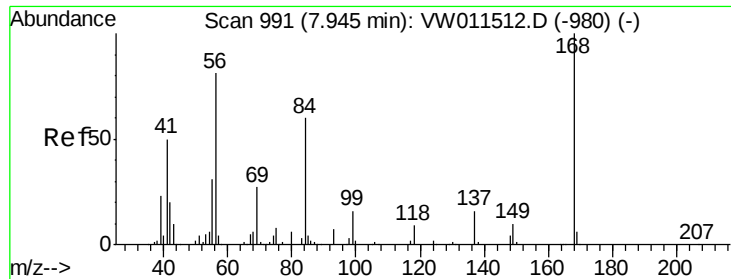
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57180	19.641	ug/l	99
94) Hexachlorobutadiene	15.24	225	38931	21.443	ug/l	100
95) Naphthalene	15.36	128	98606	18.642	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	50483	19.782	ug/l	100

(#) = 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: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion:168 Resp: 207467

Ion Ratio Lower Upper

168 100

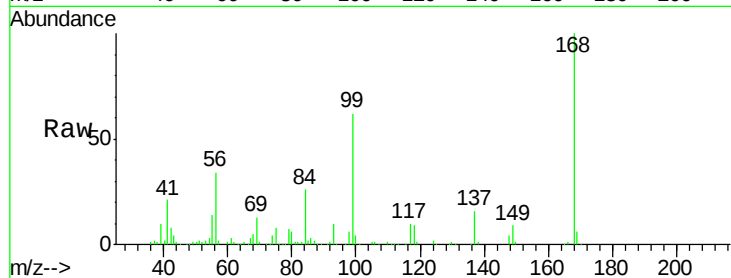
99 62.0 48.2 72.4

Manual Integrations

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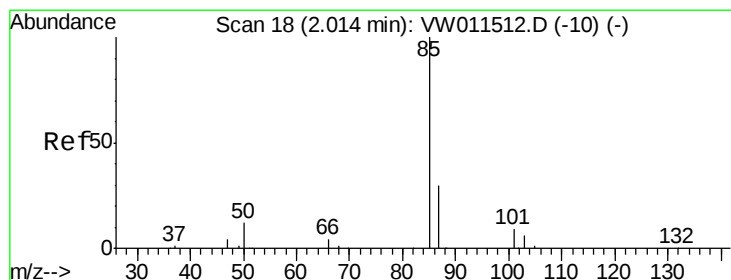
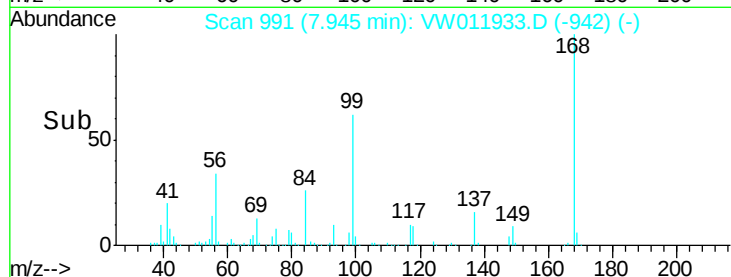
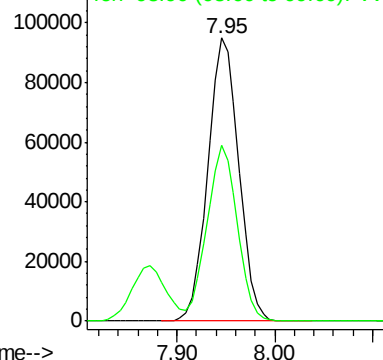
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.576 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011933.D

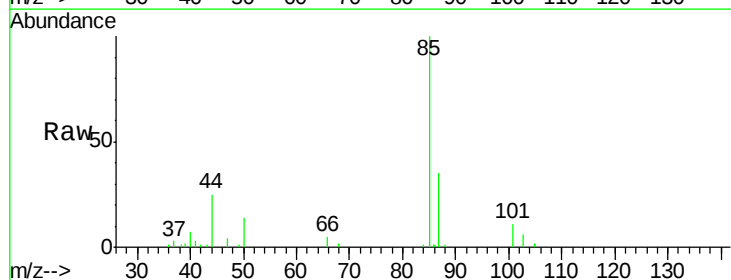
Acq: 15 Aug 2019 17:26

Tgt Ion: 85 Resp: 27260

Ion Ratio Lower Upper

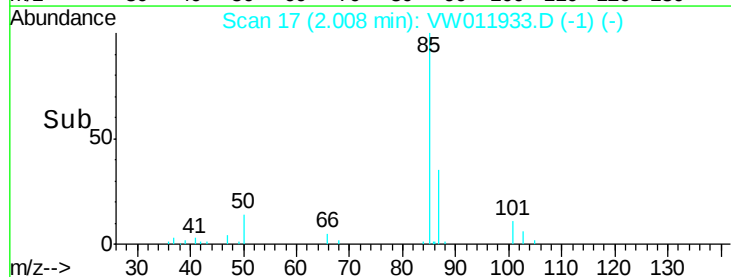
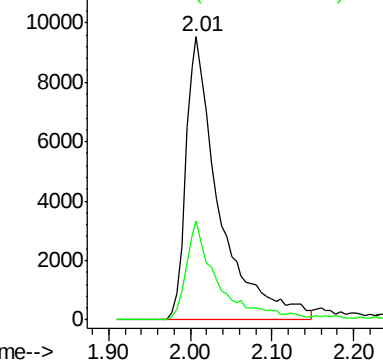
85 100

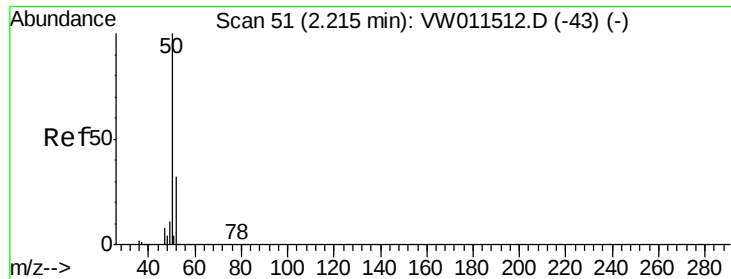
87 34.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.950 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

Tot Ion: 50 Resp: 44008

Ion Ratio Lower Upper

50 100

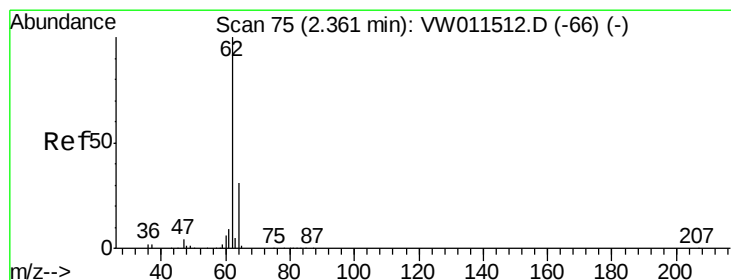
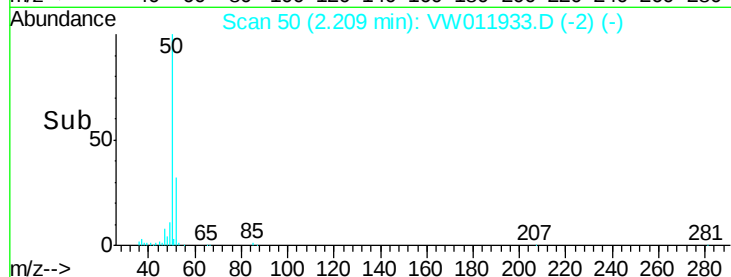
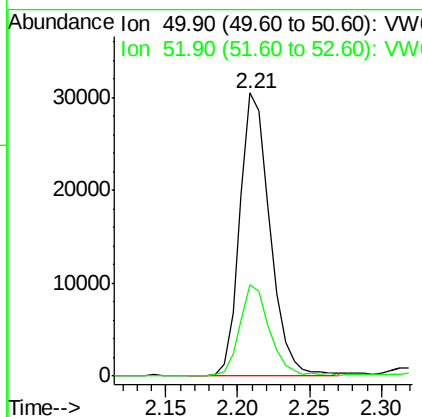
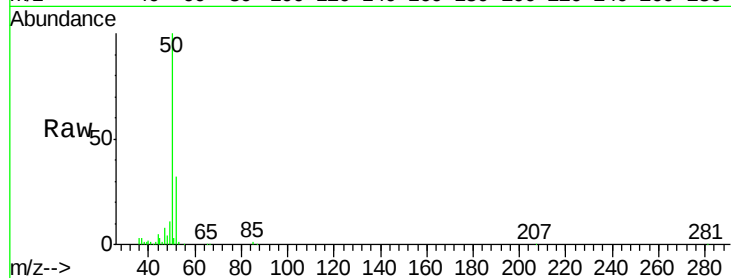
52 32.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.836 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011933.D

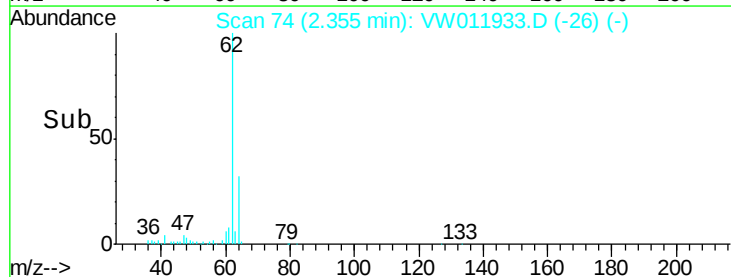
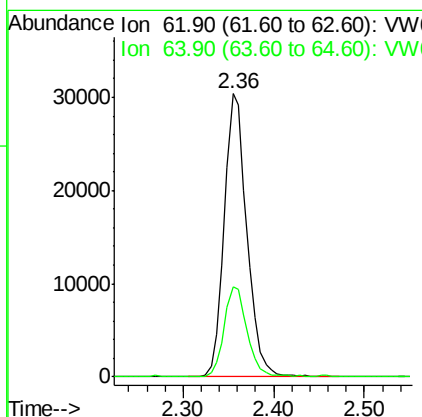
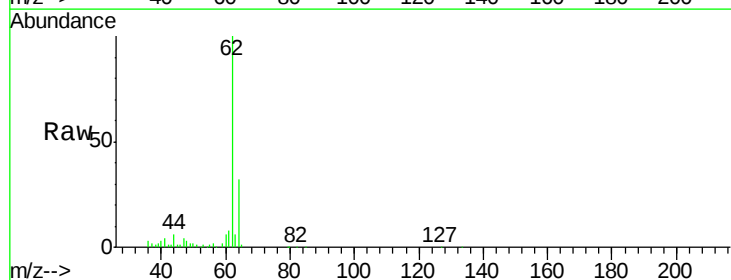
Acq: 15 Aug 2019 17:26

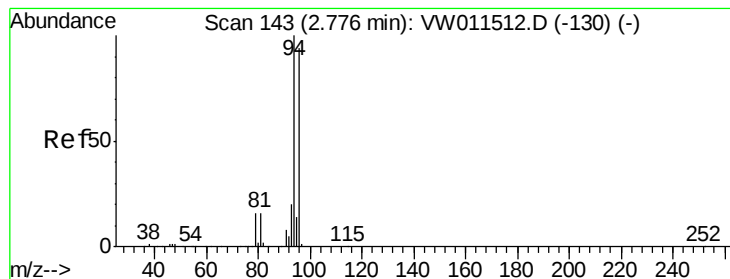
Tgt Ion: 62 Resp: 52707

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 20.361 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBSD01

Tot Ion: 94 Resp: 27204

Ion Ratio Lower Upper

94 100

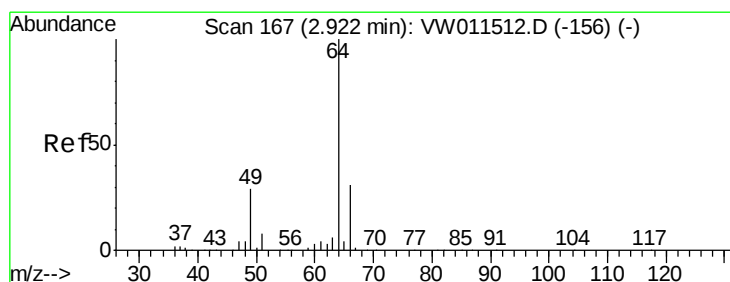
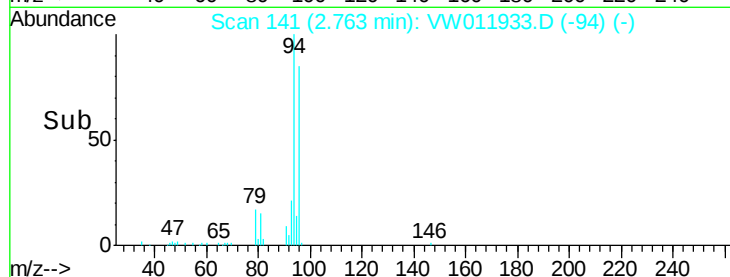
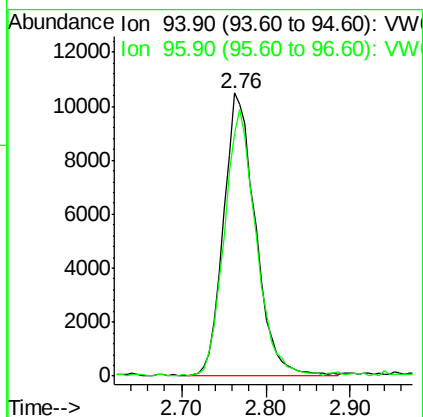
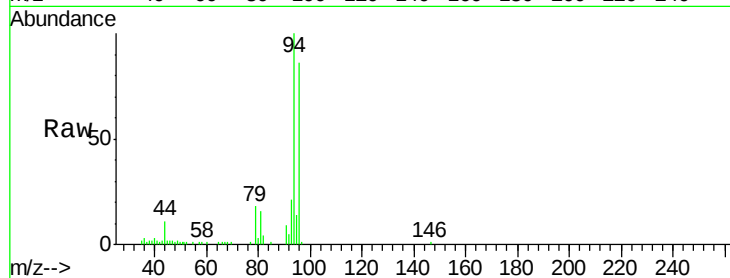
96 85.6 75.0 112.6

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#6

Chloroethane

Concen: 21.181 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011933.D

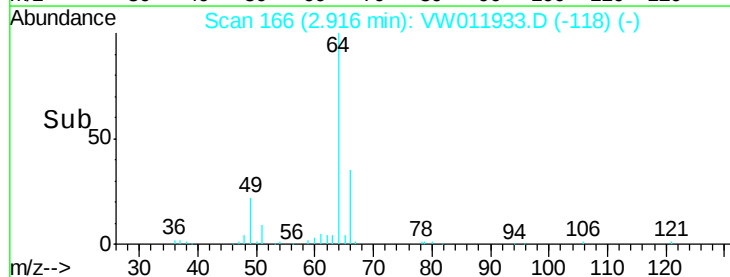
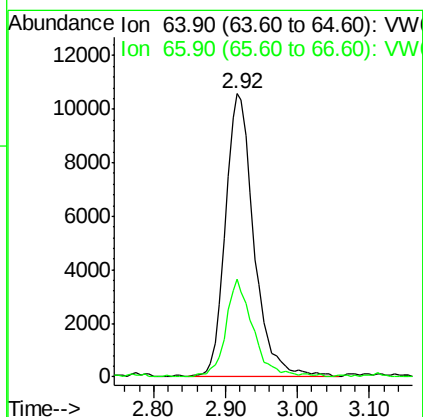
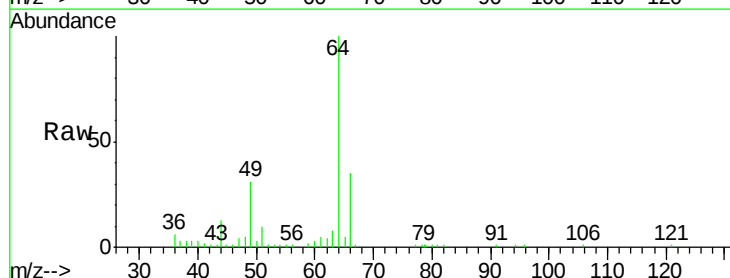
Acq: 15 Aug 2019 17:26

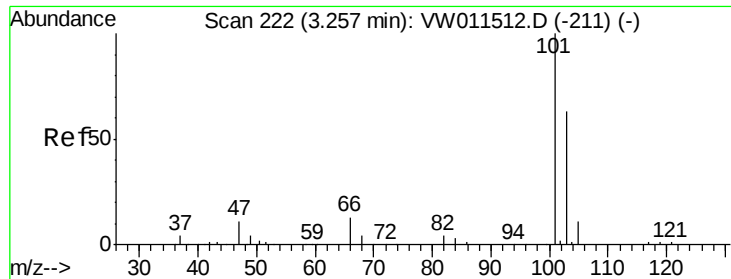
Tgt Ion: 64 Resp: 29205

Ion Ratio Lower Upper

64 100

66 34.7 24.6 36.8





#7

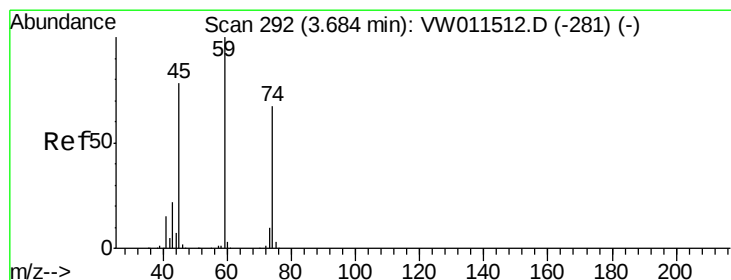
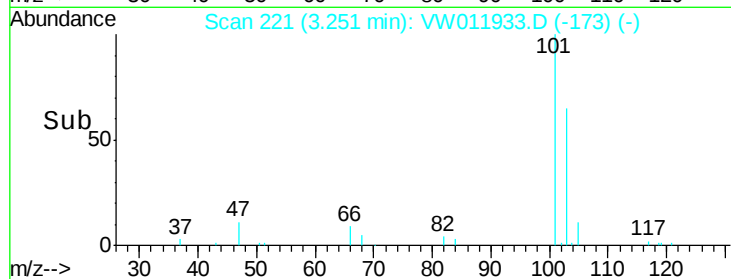
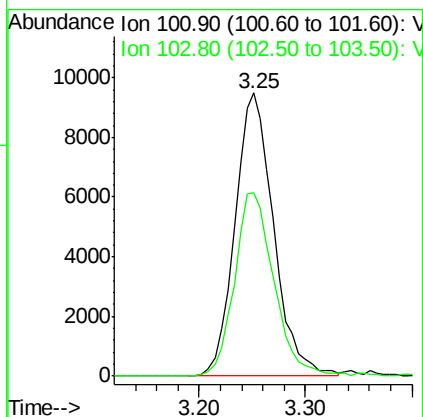
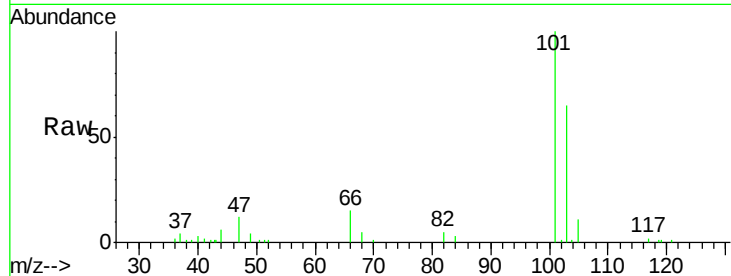
Trichlorofluoromethane
Concen: 22.343 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

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ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.2	75.4

Manual Integrations
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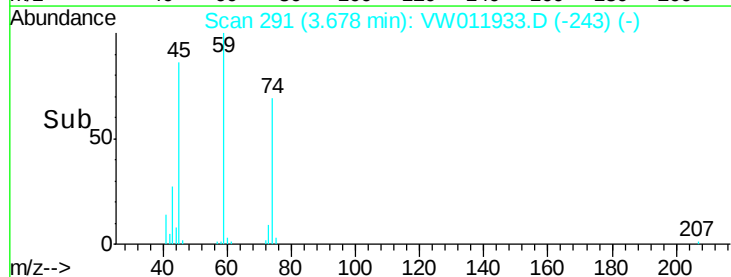
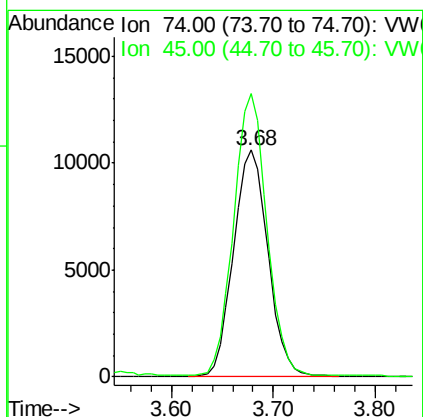
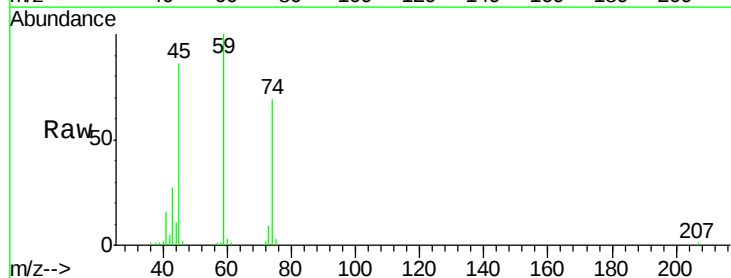
MMDadoda
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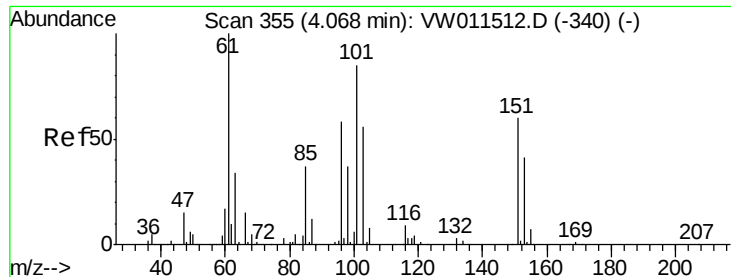


#8

Diethyl Ether
Concen: 20.441 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.2	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.509 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

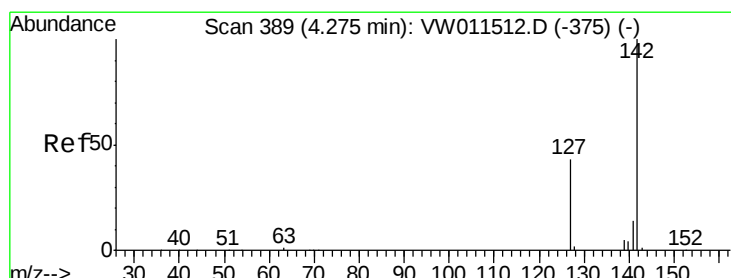
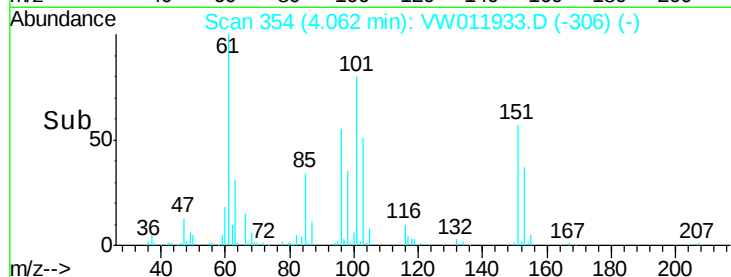
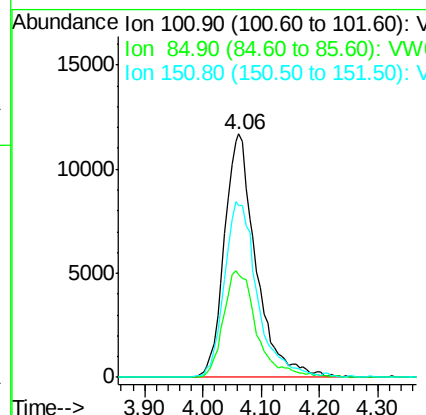
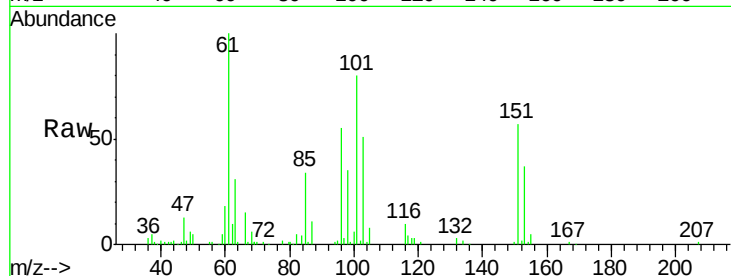
ClientSampleId :

VW0816SBS01

Tot Ion:	101	Resp:	44016
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.6	54.8
151	75.0	60.2	90.2

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#10

Methyl Iodide

Concen: 20.679 ug/l

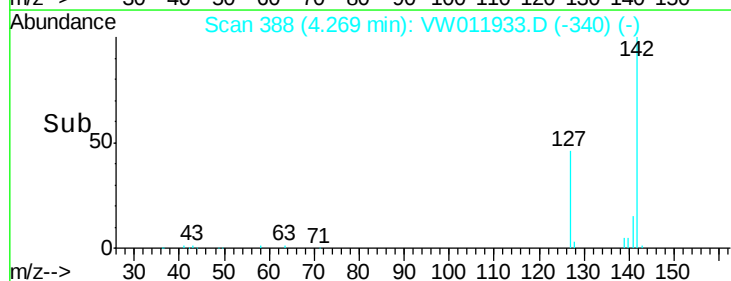
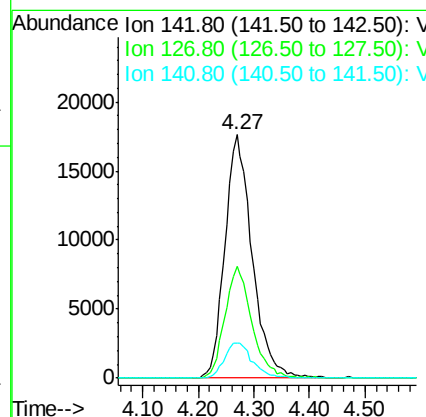
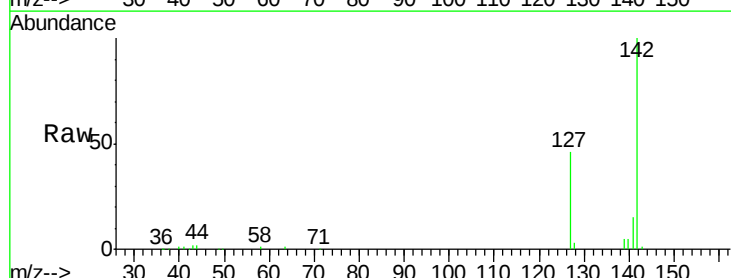
RT: 4.27 min Scan# 388

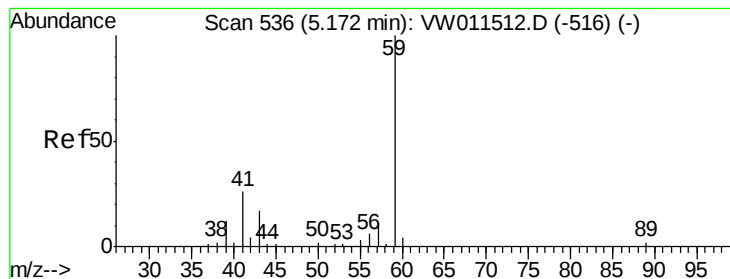
Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion:	142	Resp:	59802
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.0	52.6
141	14.8	11.9	17.9





#11

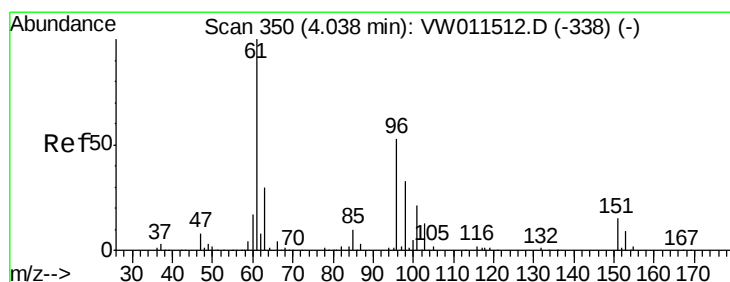
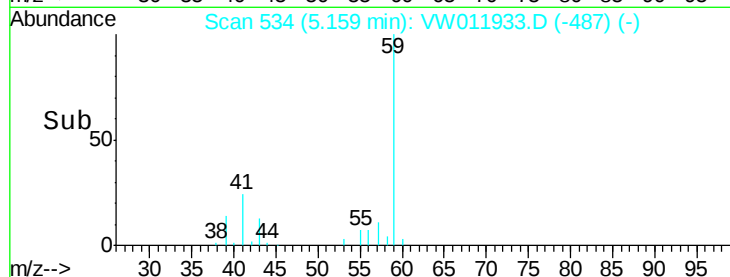
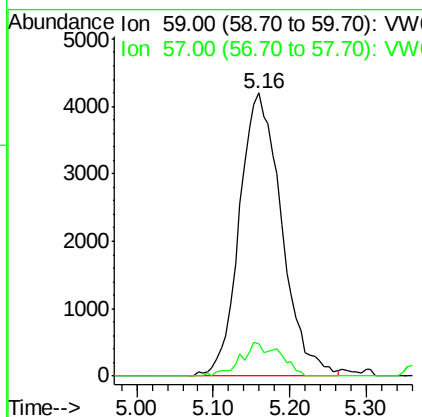
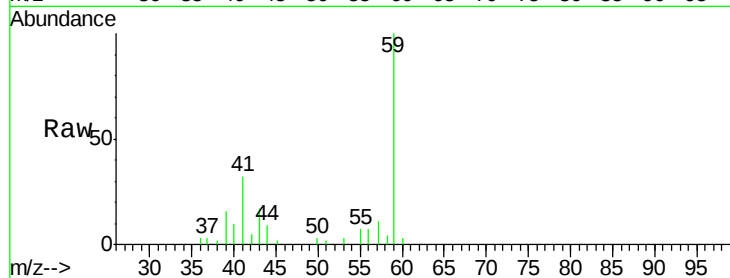
Tert butyl alcohol
Concen: 79.235 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	59	Resp	16072
Ion Ratio	100	Lower	Upper
57	7.1	8.5	12.7#

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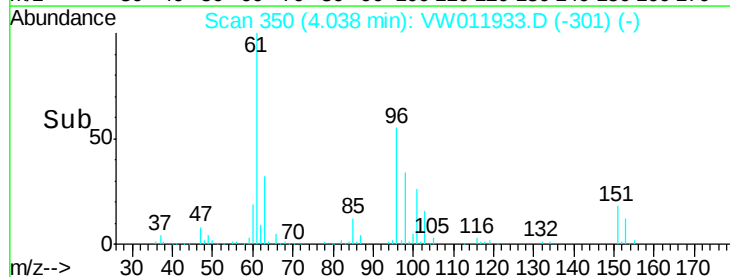
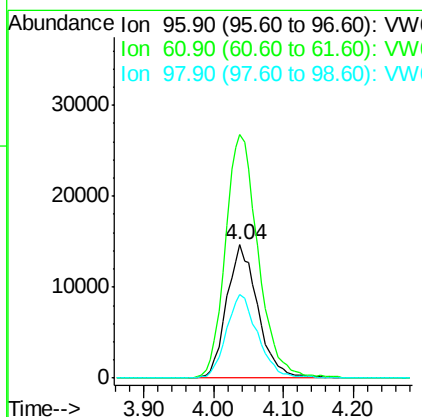
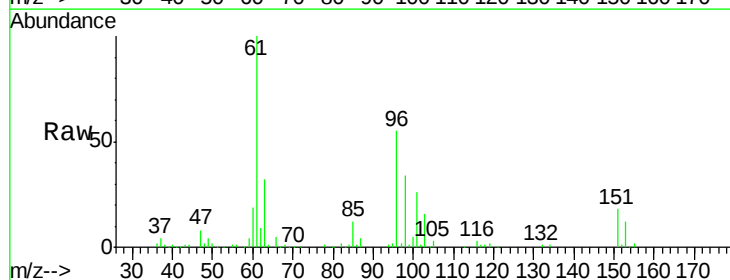
MMDadoda
8/16/2019 8:27:17 AM

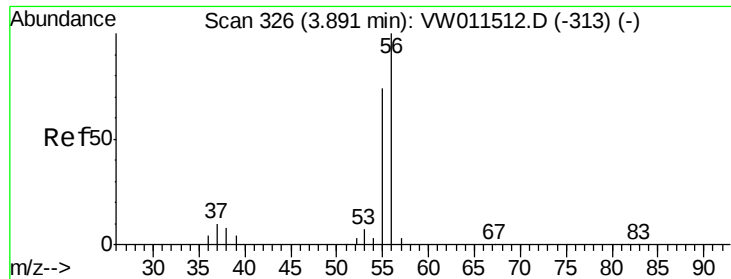


#12

1,1-Dichloroethene
Concen: 20.979 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	96	Resp	45329
Ion Ratio	100	Lower	Upper
61	182.8	149.9	224.9
98	62.6	49.1	73.7





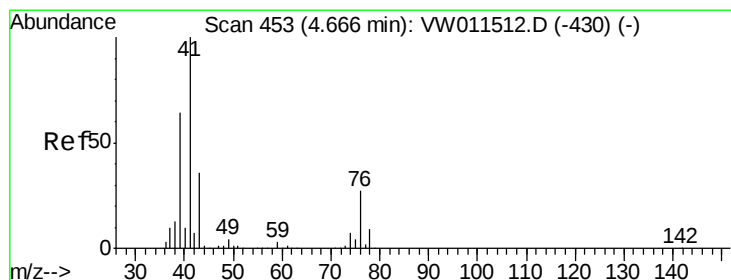
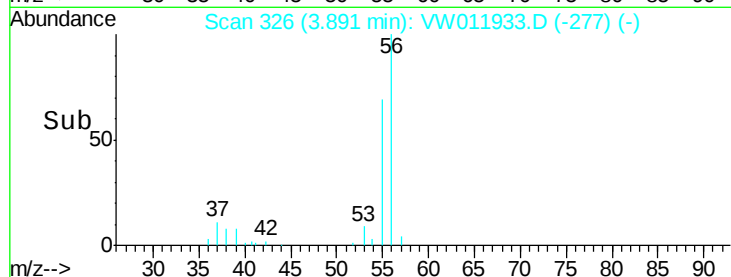
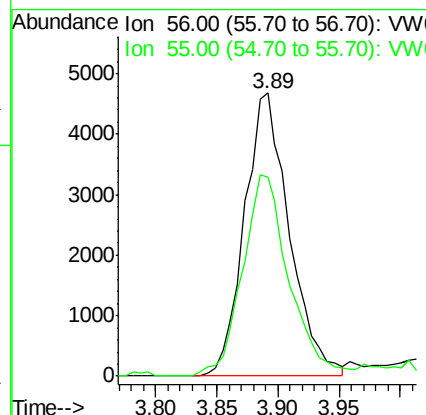
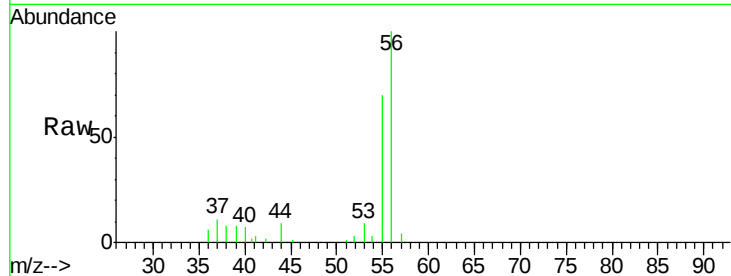
#13
 Acrolein
 Concen: 69.891 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0816SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.8	56.0	84.0

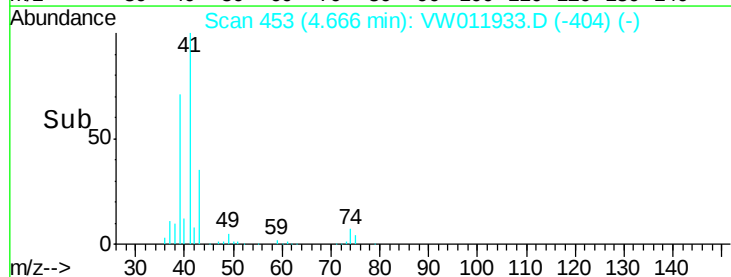
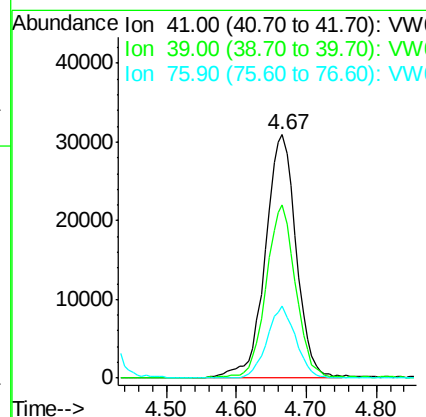
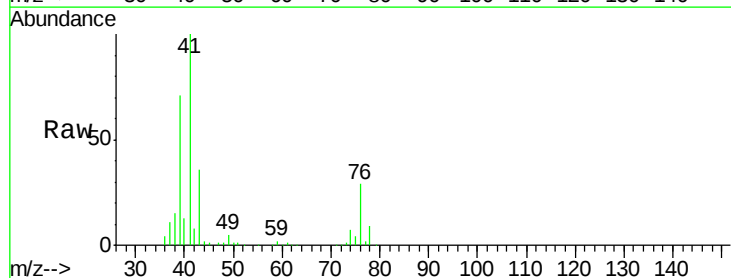
Manual Integrations
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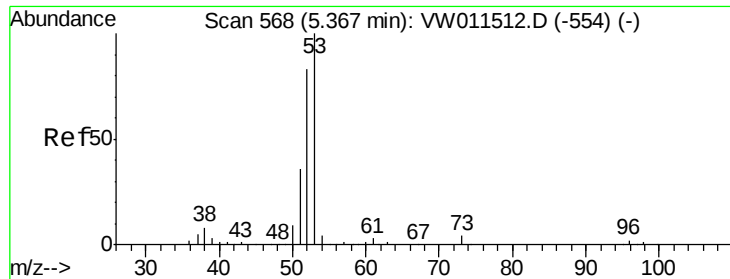
MMDadoda
 8/16/2019 8:27:17 AM



#14
 Allyl chloride
 Concen: 20.835 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	68.1	52.6	78.8
76	76	27.3	22.0	33.0





#15

Acrylonitrile

Concen: 102.660 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

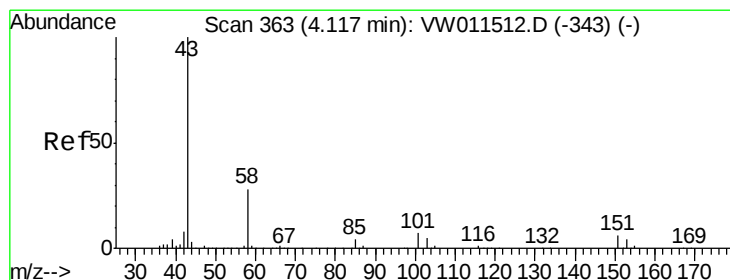
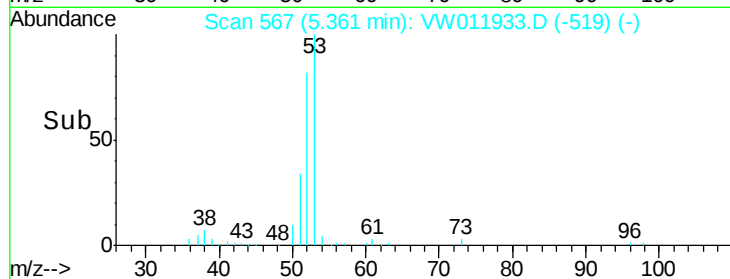
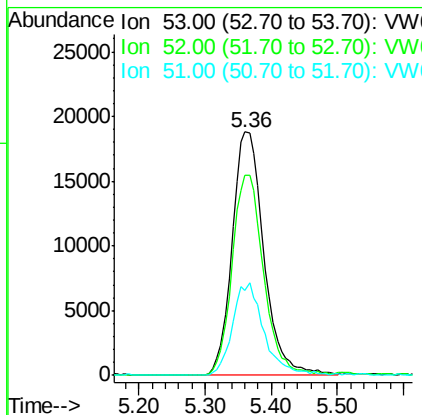
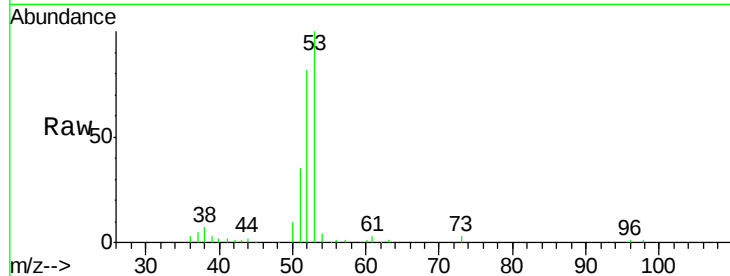
ClientSampleId :

VW0816SBS01

Tot Ion:	53	Resp:	62681
Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.2	100.8
51	37.6	30.0	45.0

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#16

Acetone

Concen: 79.129 ug/l

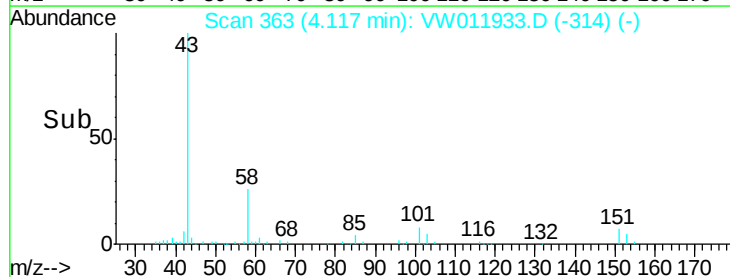
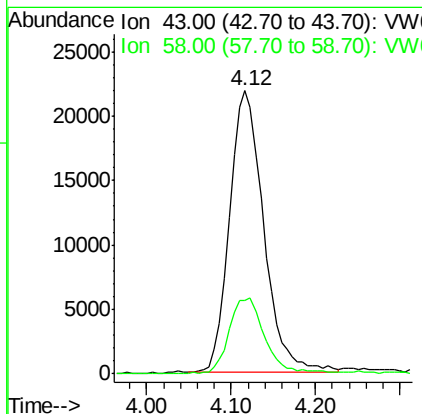
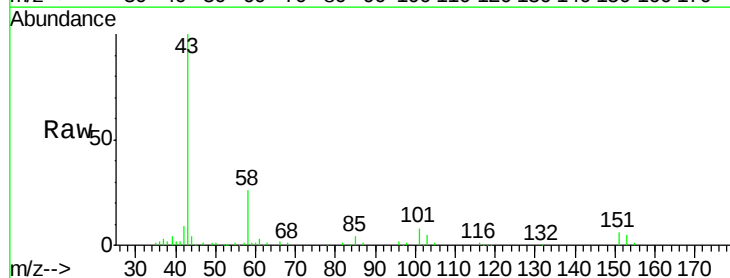
RT: 4.12 min Scan# 363

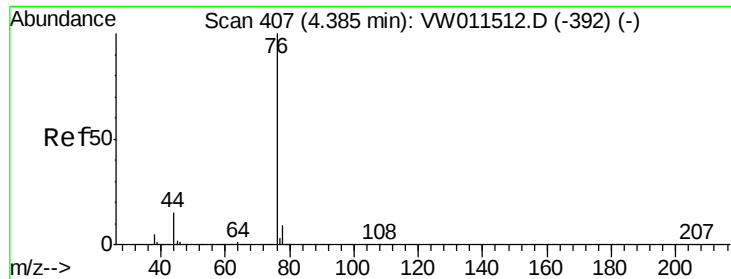
Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion:	43	Resp:	59964
Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.3	33.5





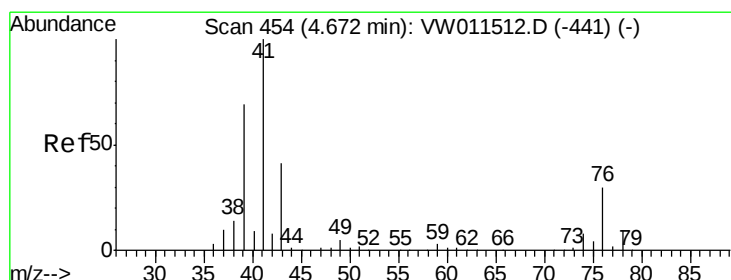
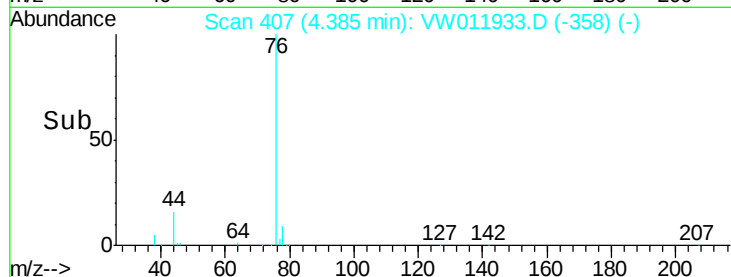
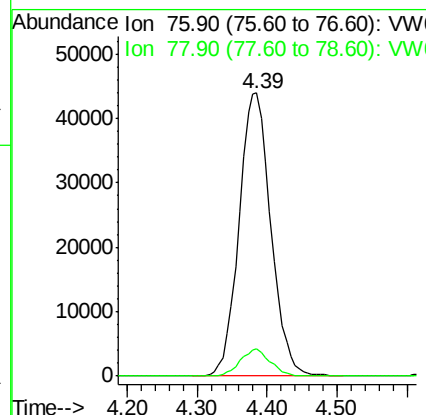
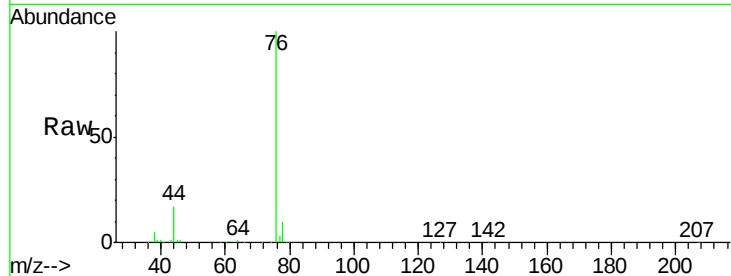
#17
Carbon Disulfide
Concen: 20.481 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7

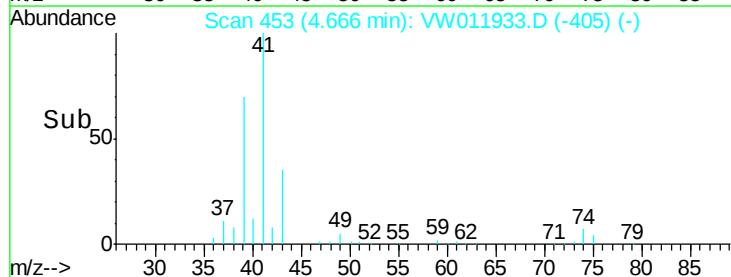
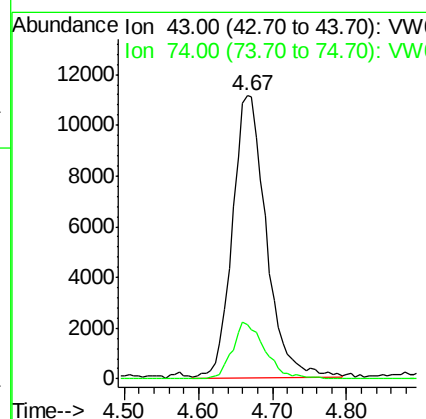
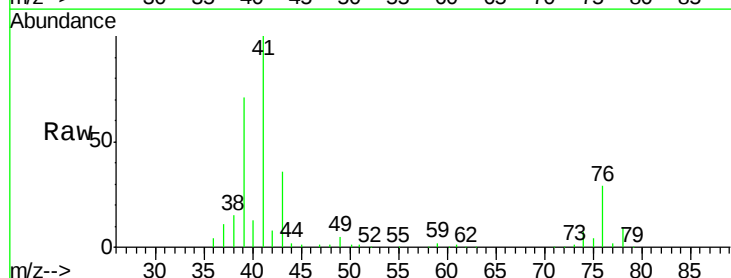
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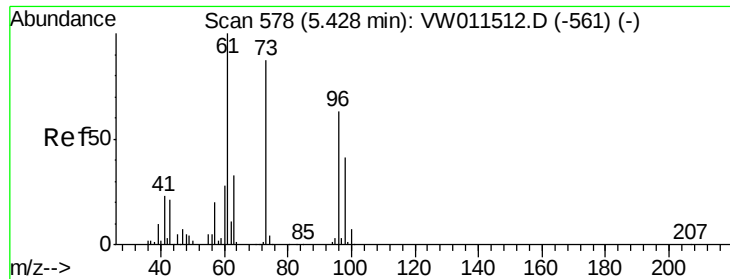
MMDadoda
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#18
Methyl Acetate
Concen: 20.718 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.9	23.9





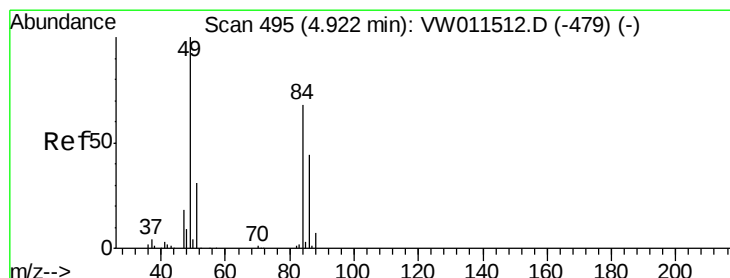
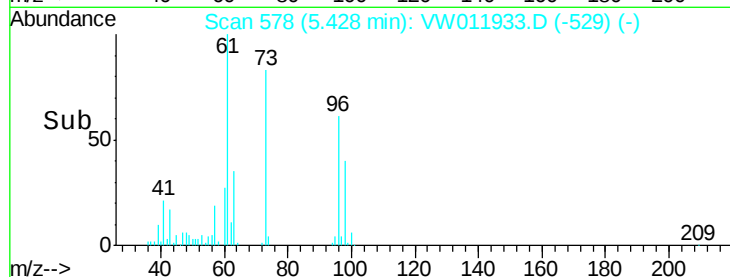
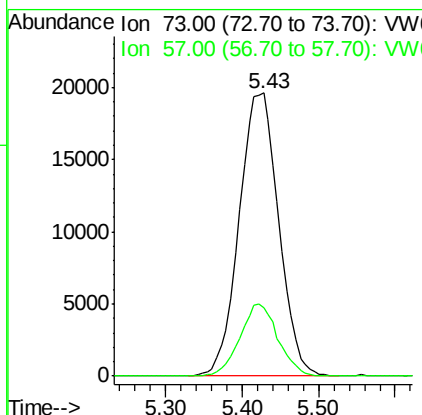
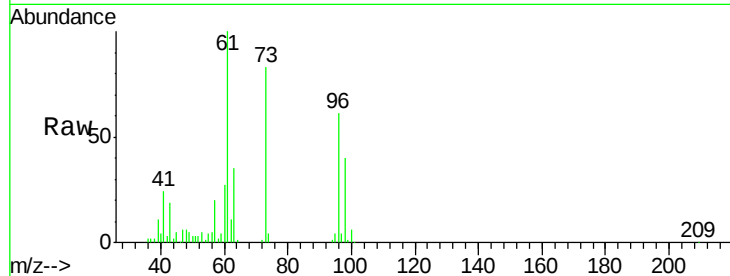
#19
Methvl tert-butvl Ether
Concen: 20.598 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion: 73 Resp: 70625
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6

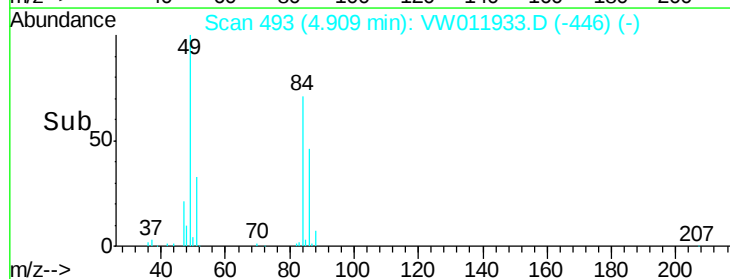
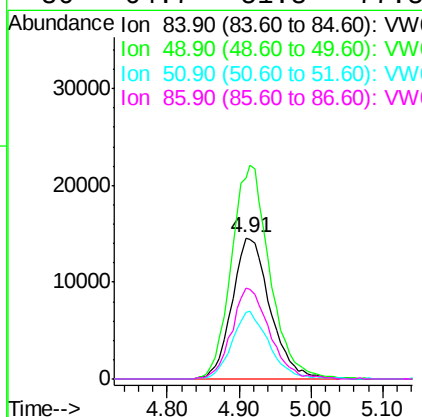
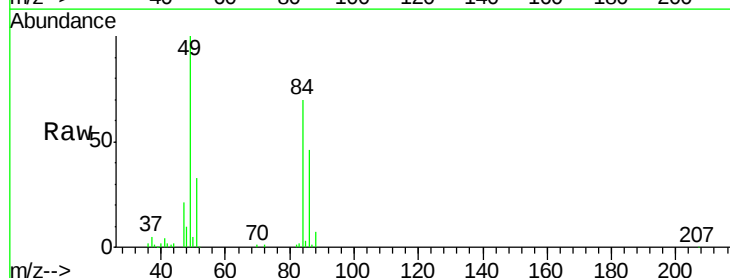
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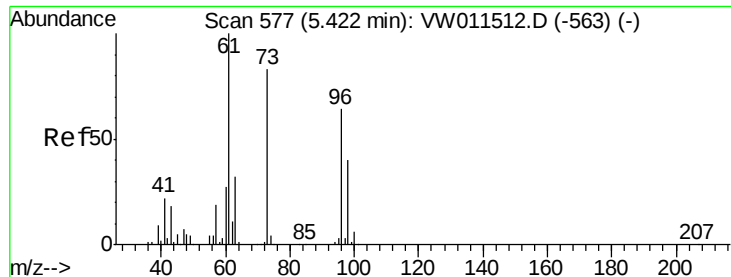
MMDadoda
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#20
Methylene Chloride
Concen: 20.494 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion: 84 Resp: 53562
Ion Ratio Lower Upper
84 100
49 142.1 117.8 176.6
51 47.5 37.0 55.4
86 64.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.101 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

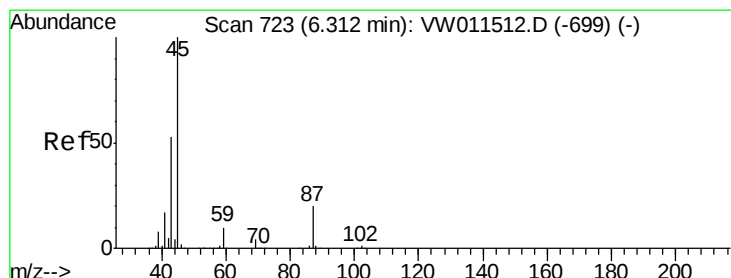
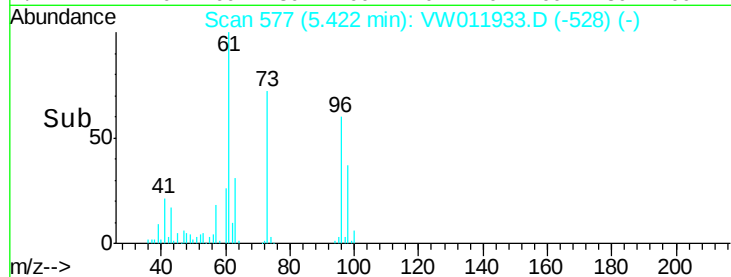
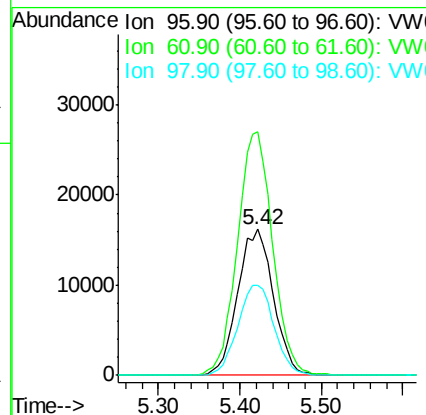
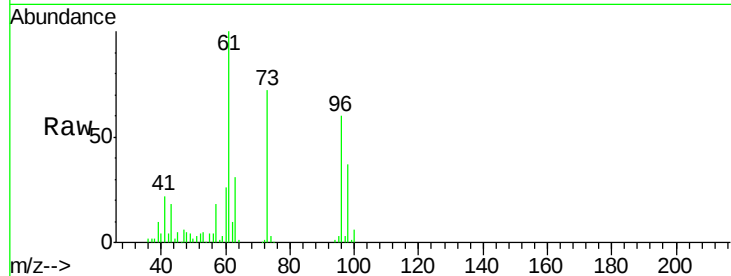
ClientSampleId :

VW0816SBSD01

Tot Ion:	96	Resp:	49154
Ion	Ratio	Lower	Upper
96	100		
61	166.1	125.7	188.5
98	61.5	50.3	75.5

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#22

Diisopropyl ether

Concen: 21.155 ug/l

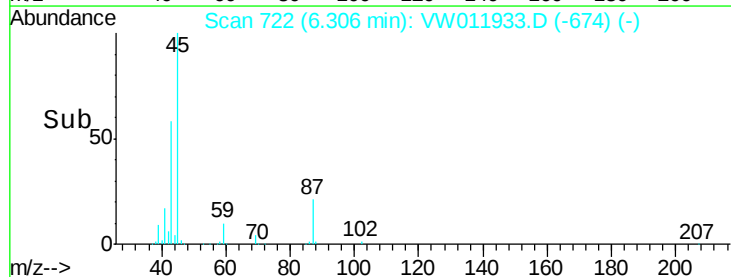
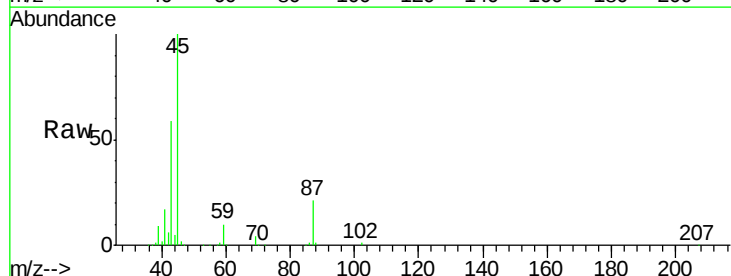
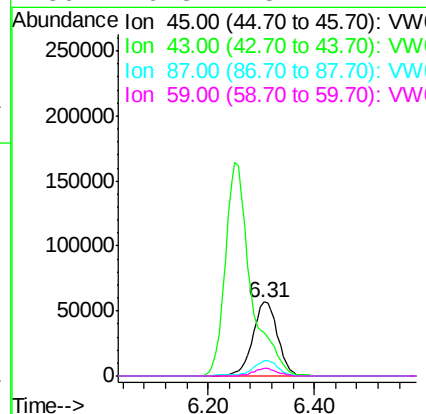
RT: 6.31 min Scan# 722

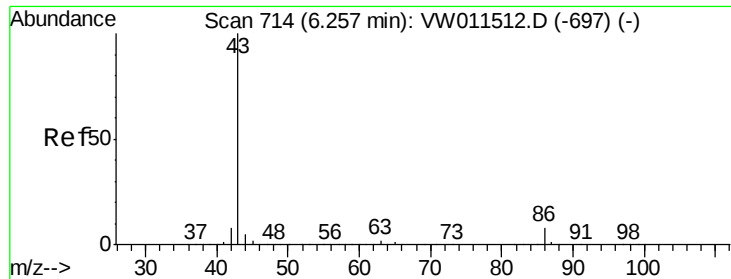
Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion:	45	Resp:	183295
Ion	Ratio	Lower	Upper
45	100		
43	58.5	42.6	63.8
87	20.8	16.4	24.6
59	10.3	8.2	12.2





#23

Vinyl Acetate

Concen: 100.782 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 43 Resp: 548686

Ion Ratio Lower Upper

43 100

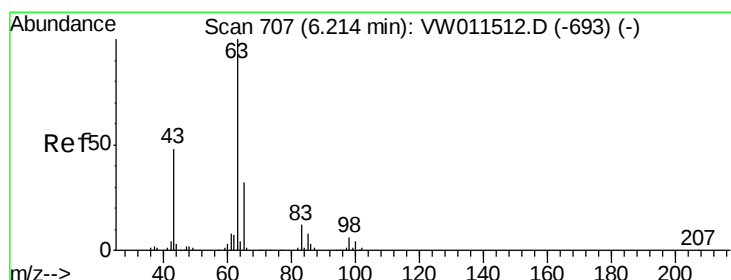
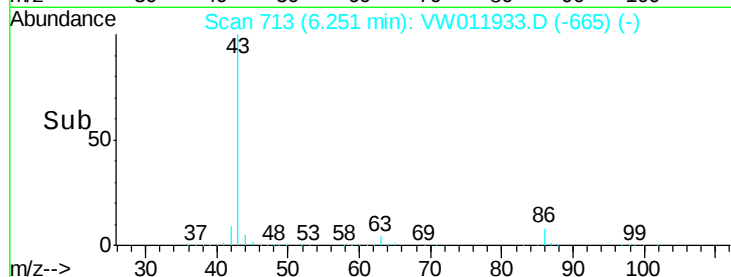
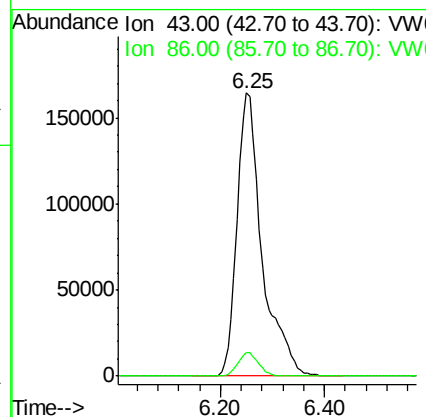
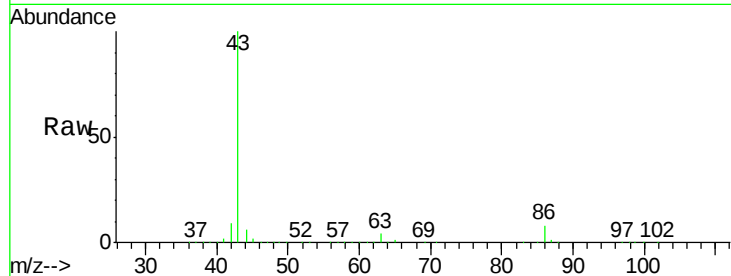
86 8.4 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.247 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

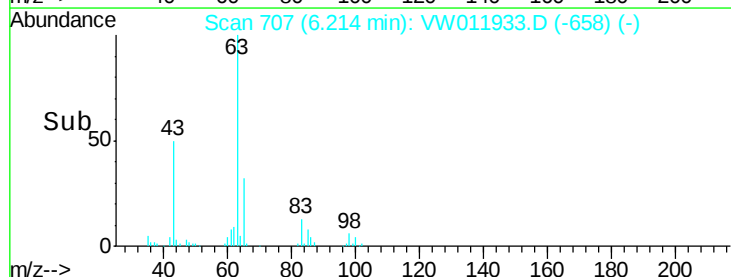
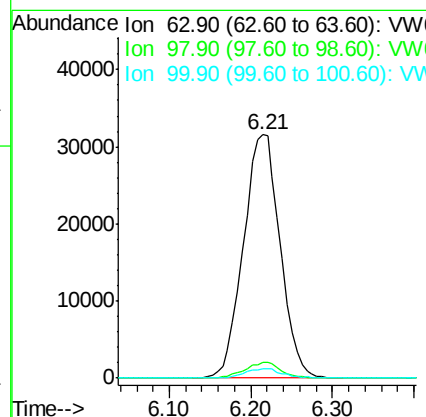
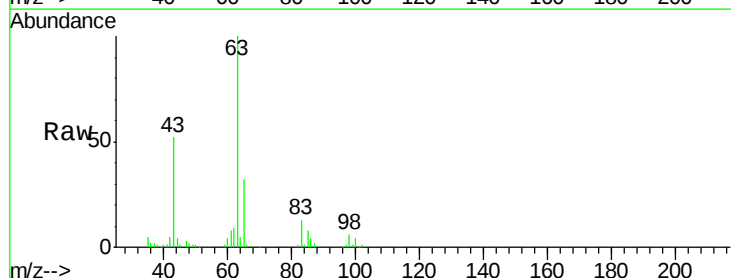
Tgt Ion: 63 Resp: 98594

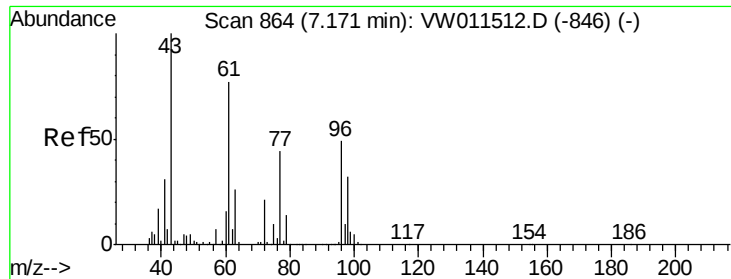
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 88.363 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 43 Resp: 87622

Ion Ratio Lower Upper

43 100

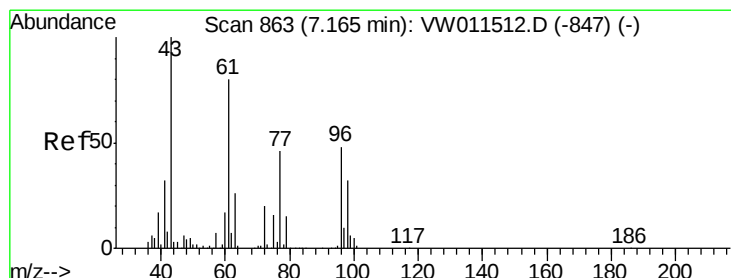
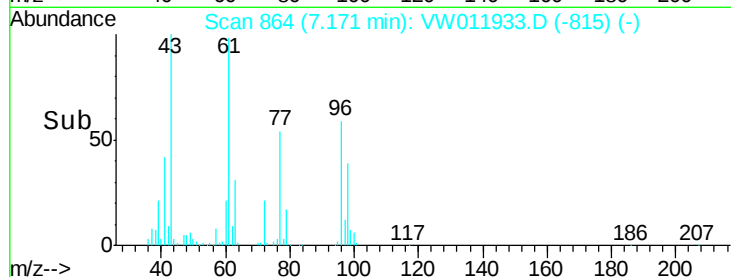
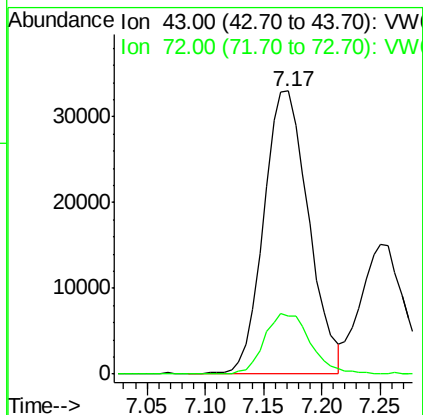
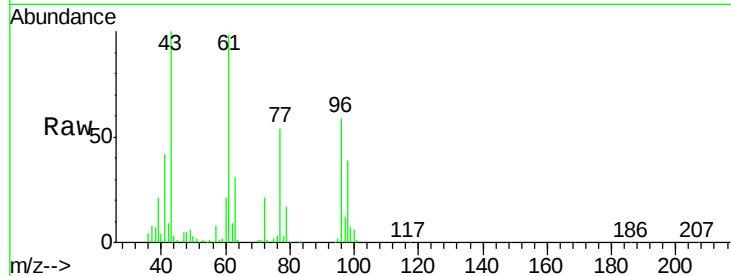
72 20.7 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.088 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011933.D

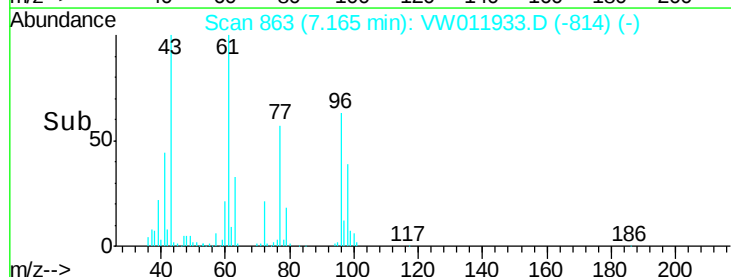
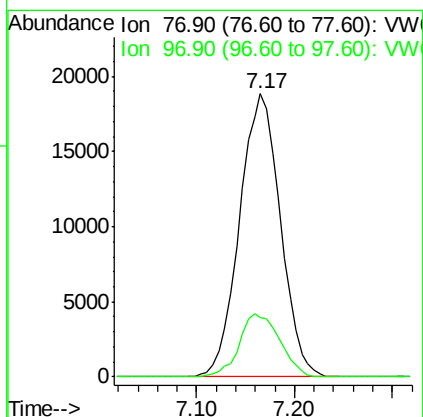
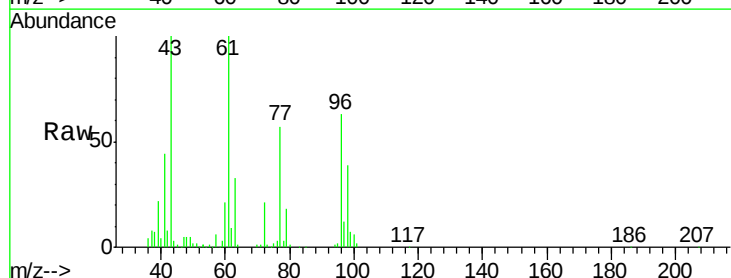
Acq: 15 Aug 2019 17:26

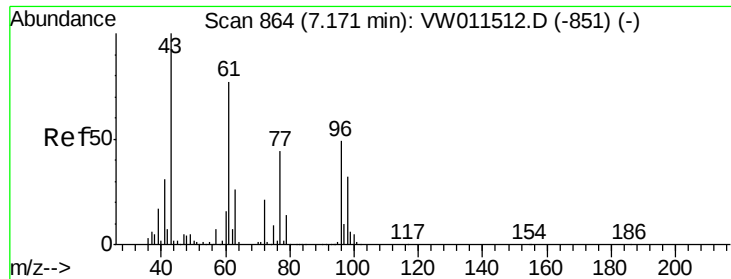
Tgt Ion: 77 Resp: 54473

Ion Ratio Lower Upper

77 100

97 22.2 10.8 32.4





#27

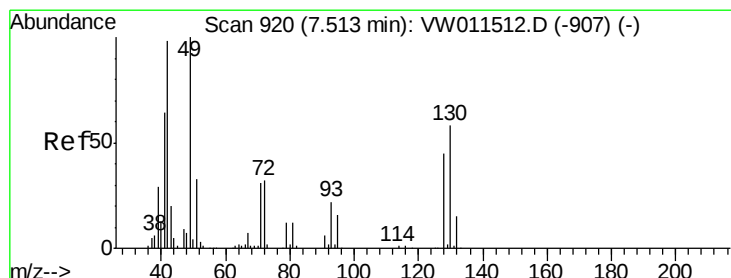
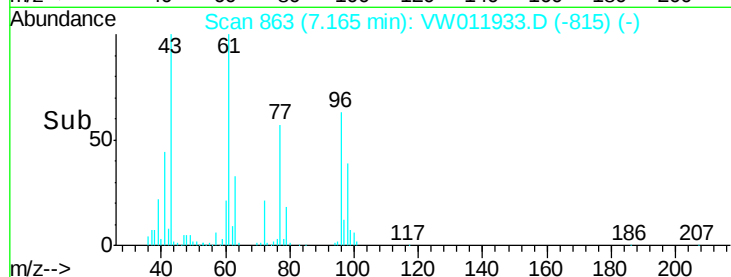
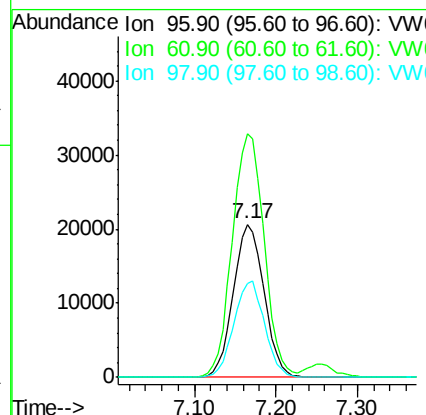
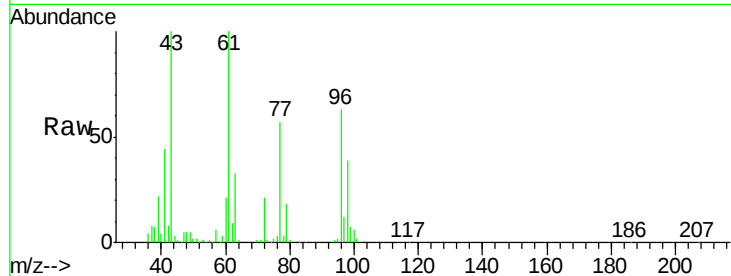
cis-1,2-Dichloroethene
Concen: 21.008 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	328.4
98	62.4	0.0	128.8

Manual Integrations
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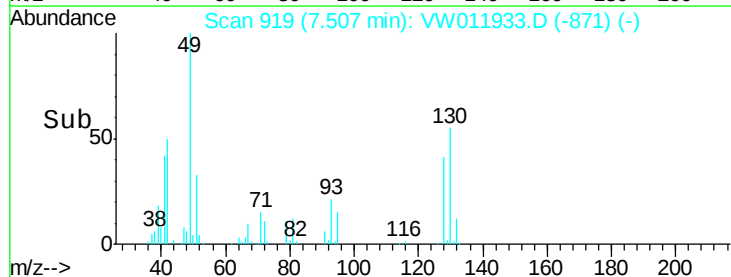
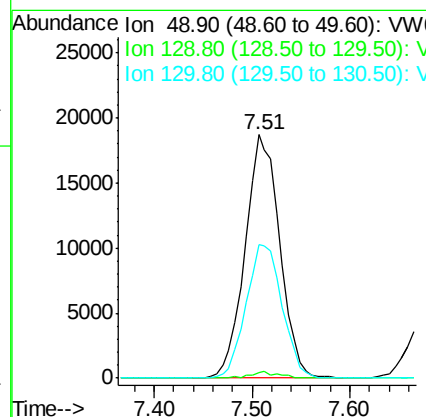
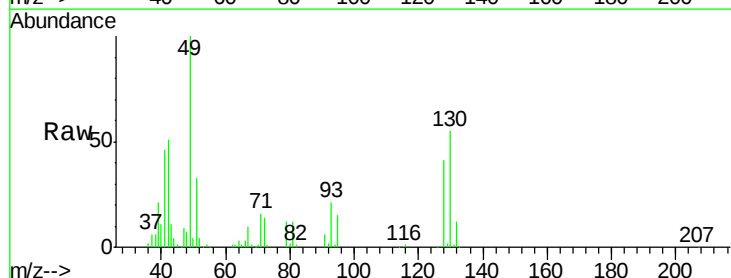
MMDadoda
8/16/2019 8:27:17 AM

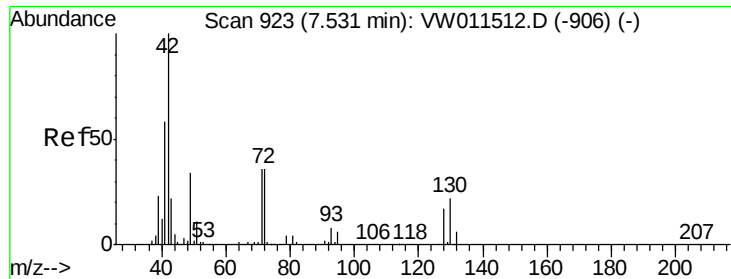


#28

Bromochloromethane
Concen: 22.292 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	1.0#
130	57.2	46.3	69.5





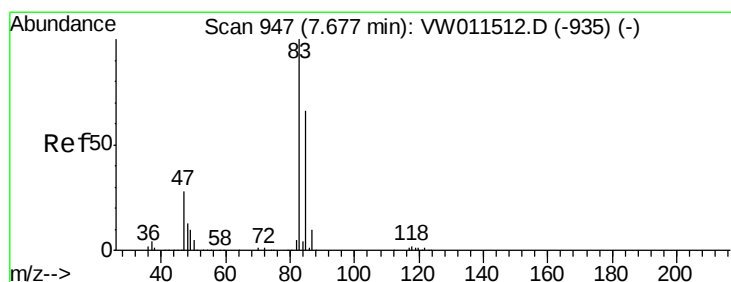
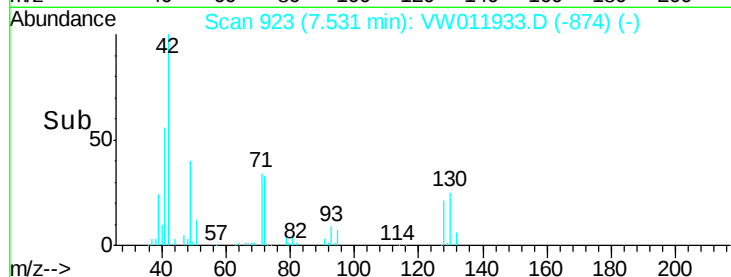
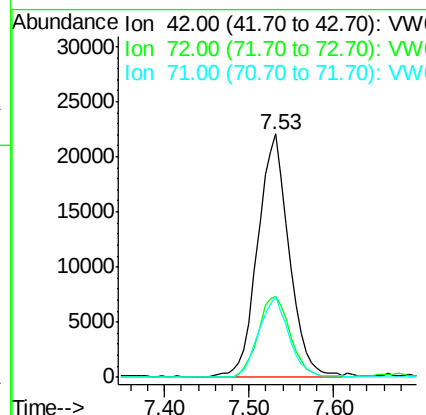
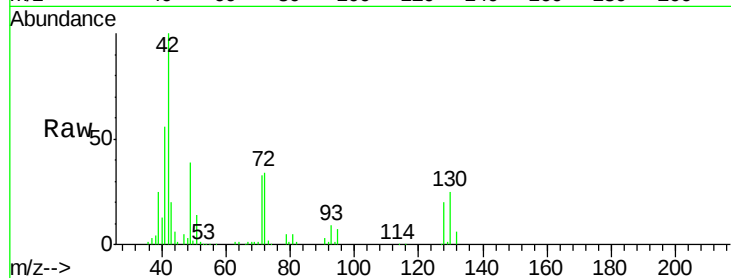
#29
Tetrahydrofuran
Concen: 98.595 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.1	40.7
71	32.4	26.2	39.4

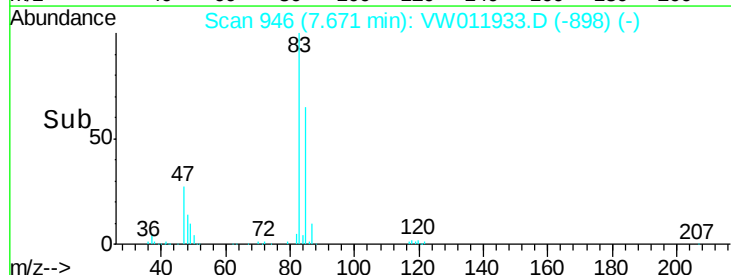
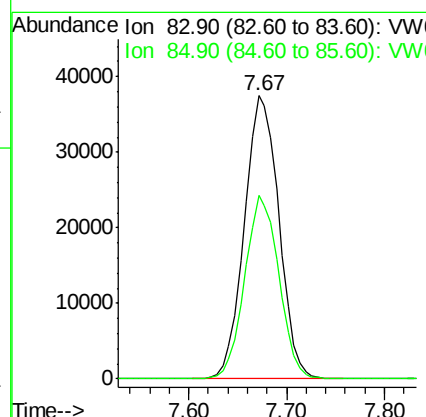
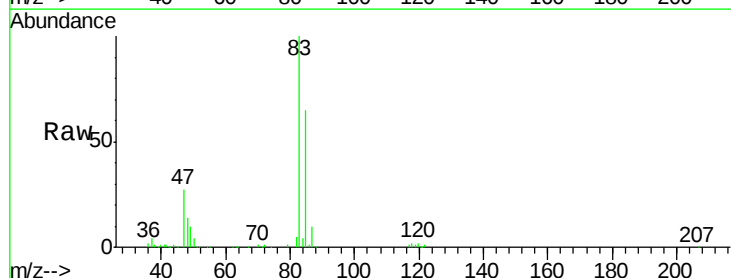
Manual Integrations
APPROVED

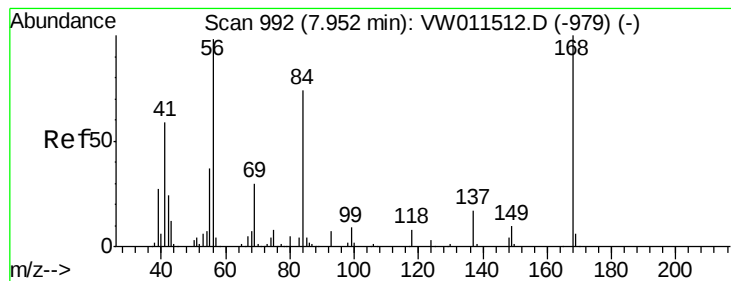
MMDadoda
8/16/2019 8:27:17 AM



#30
Chloroform
Concen: 21.493 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





#31

Cyclohexane

Concen: 20.946 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

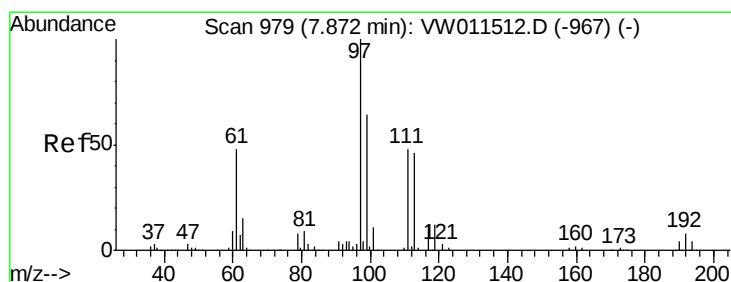
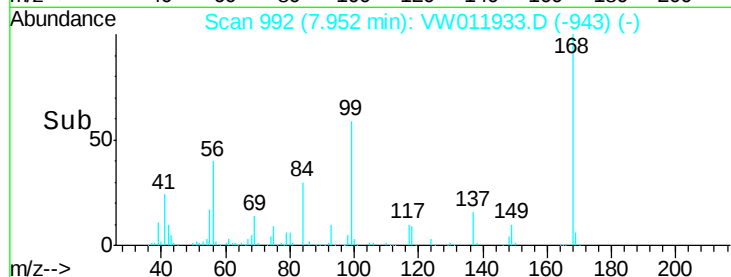
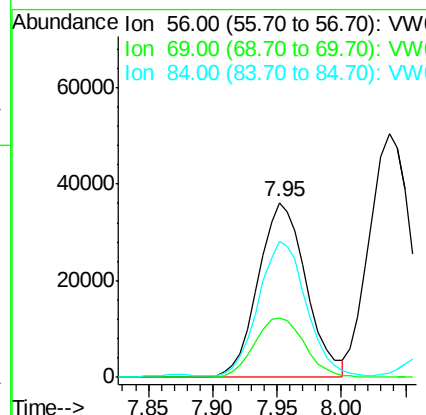
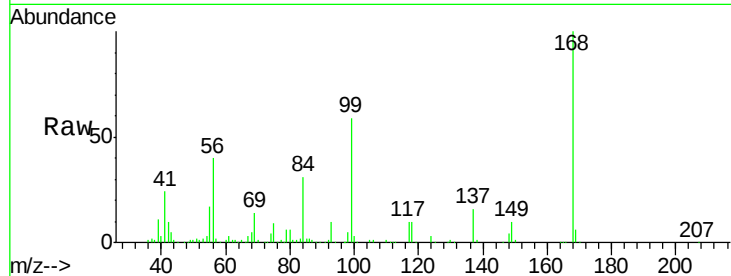
ClientSampleId :

VW0816SBSD01

Tot Ion:	56	Resp:	93298
Ion Ratio	Lower	Upper	
56	100		
69	33.9	24.3	36.5
84	77.0	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.060 ug/l

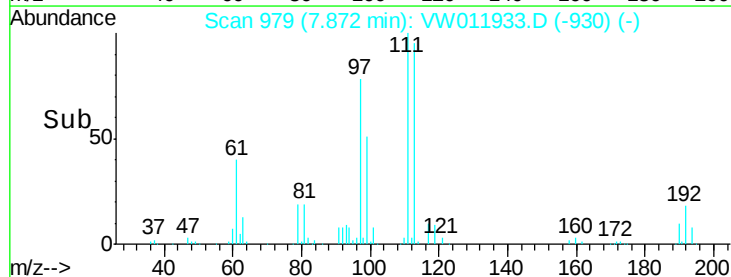
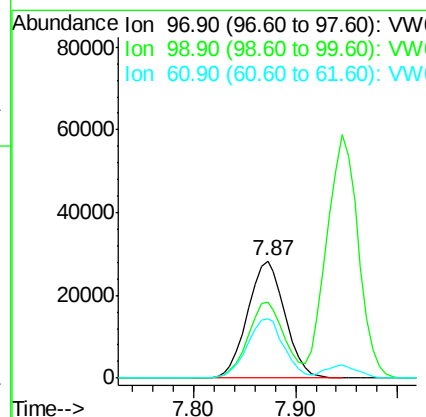
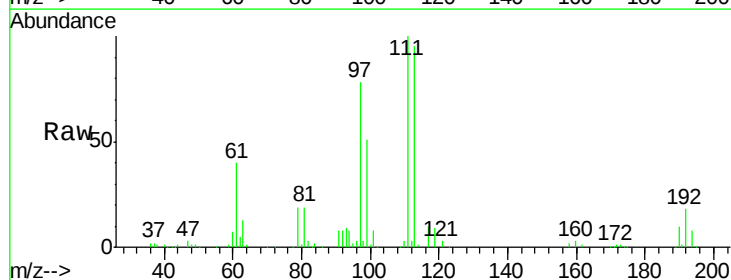
RT: 7.87 min Scan# 979

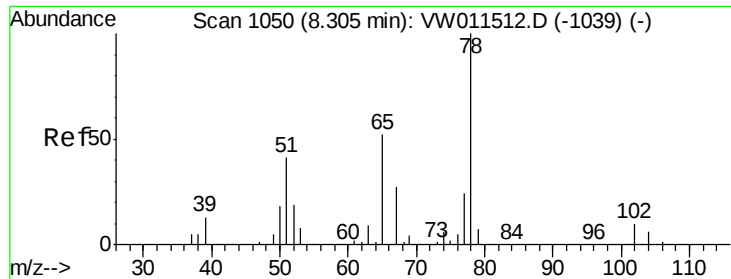
Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion:	97	Resp:	71921
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.6
61	50.2	39.8	59.6





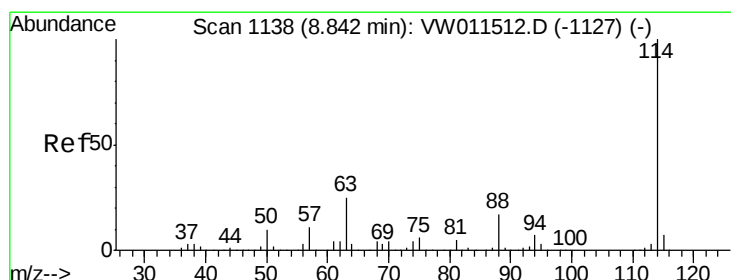
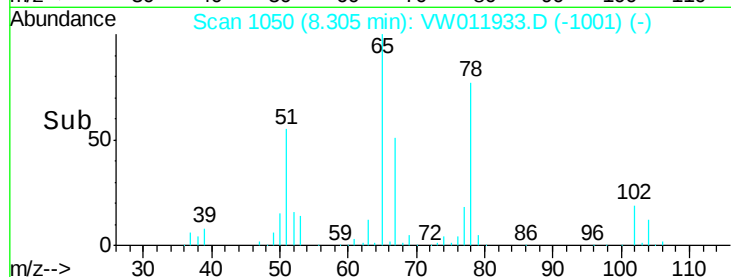
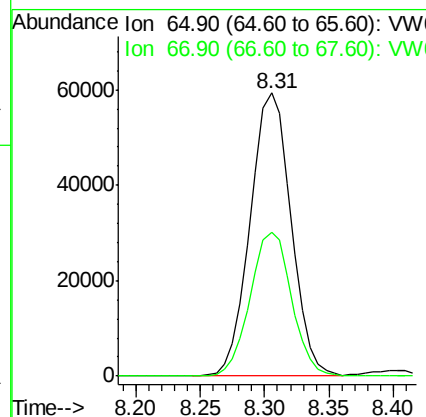
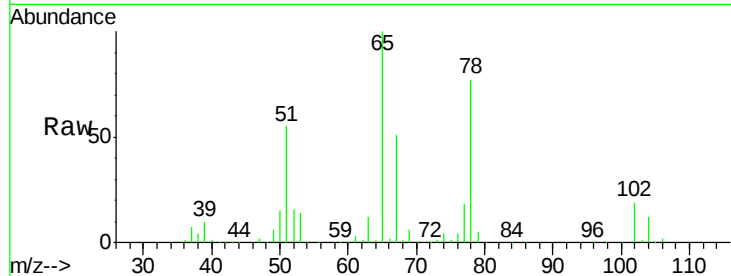
#33
 1,2-Dichloroethane-d4
 Concen: 54.726 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	130373		
67	51.5	0.0	105.2	

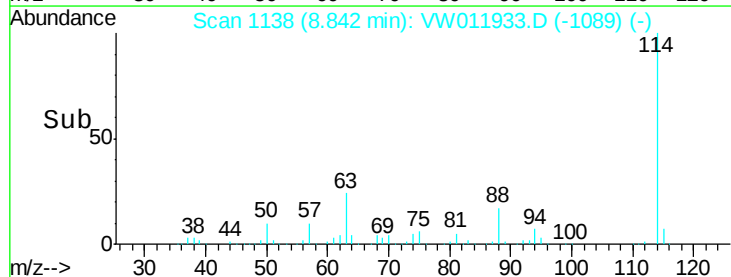
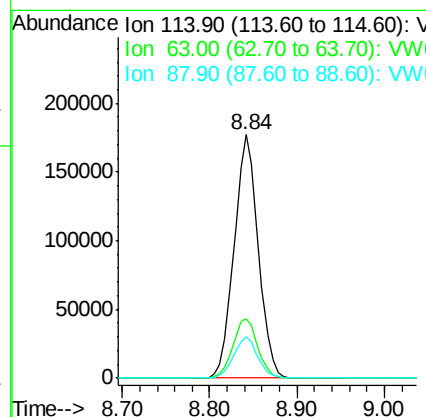
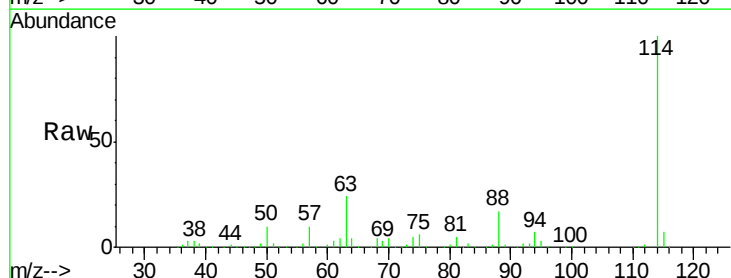
Manual Integrations
 APPROVED

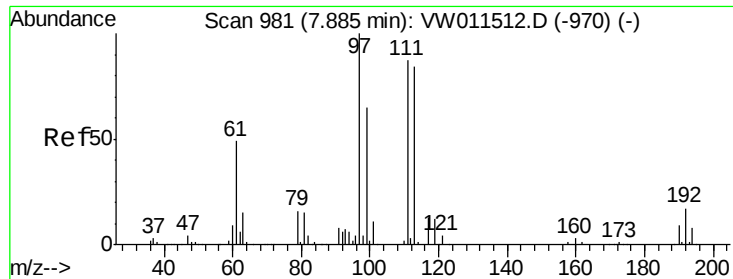
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339764		
63	24.2	0.0	49.2	
88	16.9	0.0	33.8	





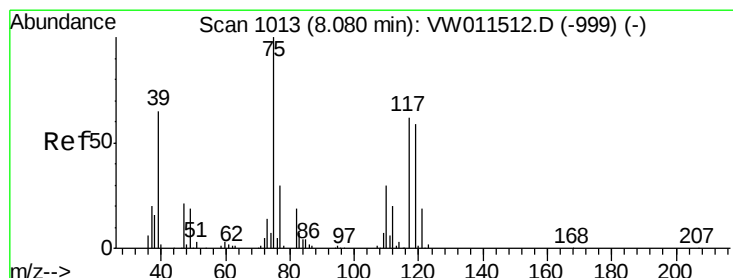
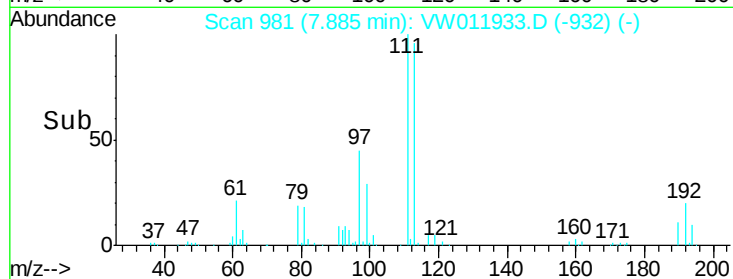
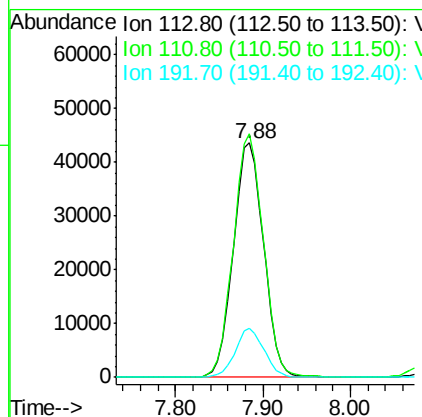
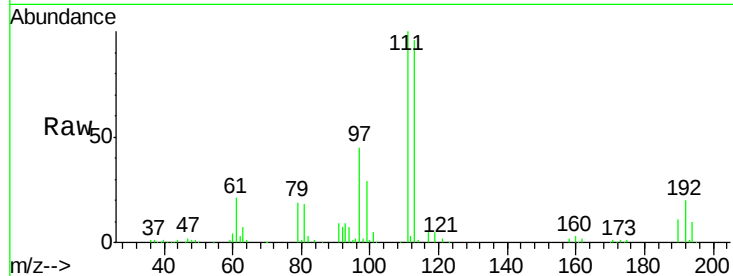
#35
 Dibromofluoromethane
 Concen: 55.149 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	82.7	124.1	
192	19.9	16.1	24.1	

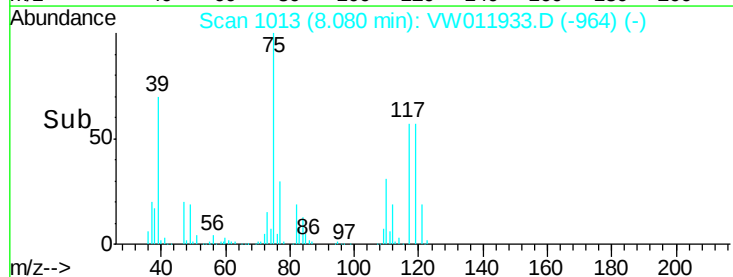
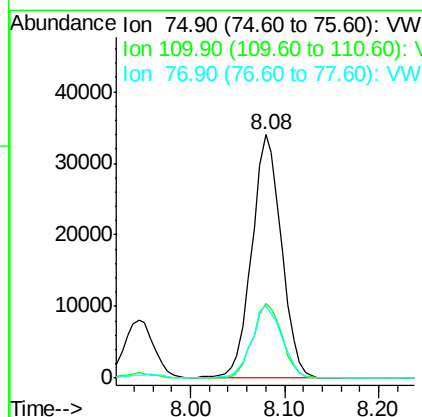
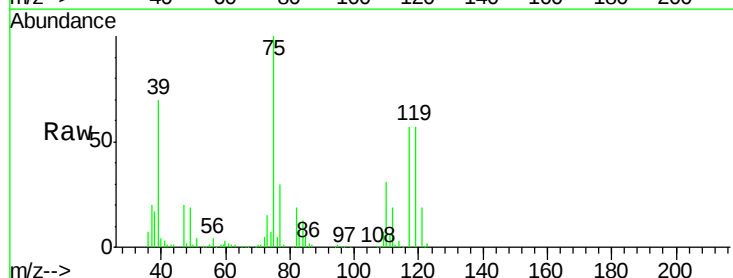
Manual Integrations
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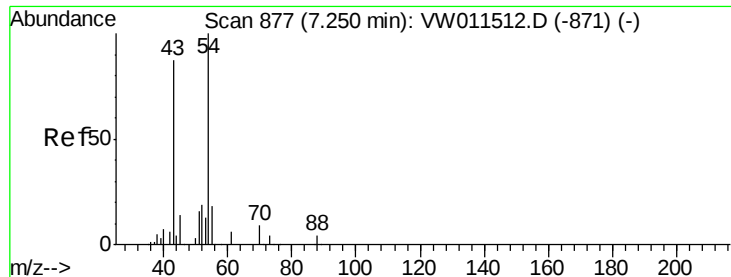
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#36
 1,1-Dichloropropene
 Concen: 21.205 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.6	15.6	46.8	
77	30.8	24.3	36.5	





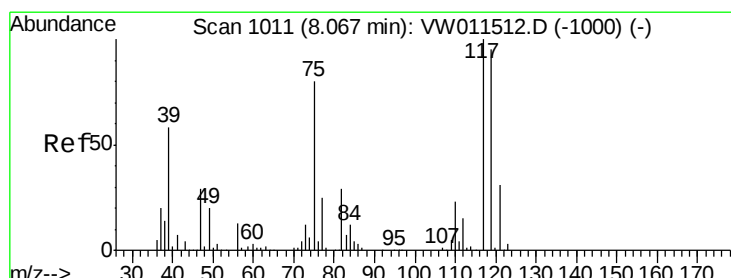
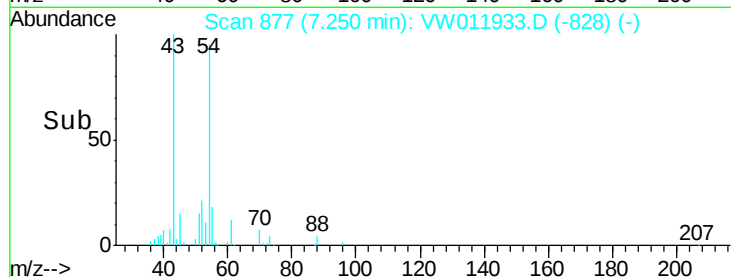
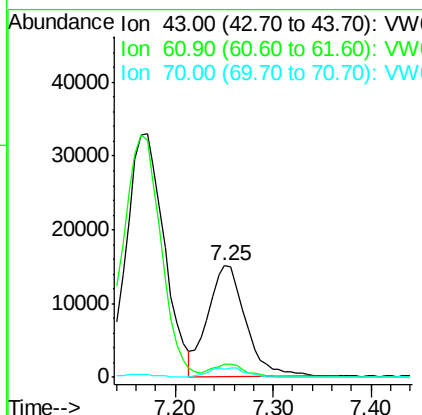
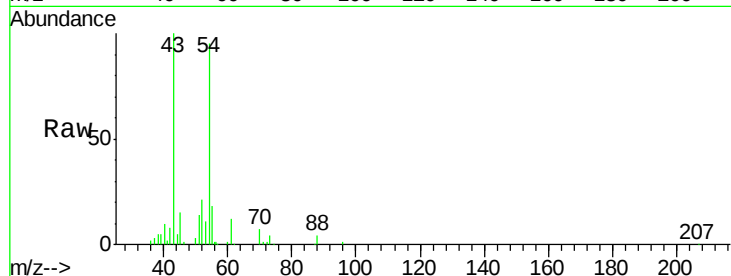
#37
Ethyl Acetate
Concen: 19.742 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.1	8.8	13.2
70	8.7	7.1	10.7

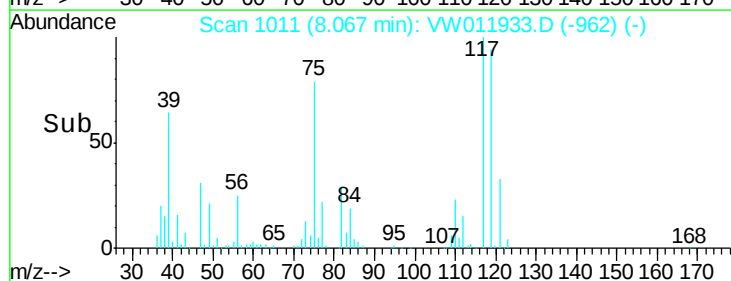
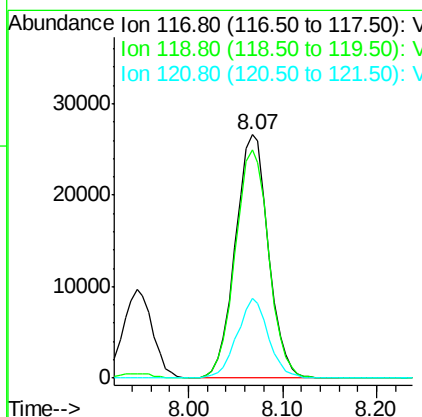
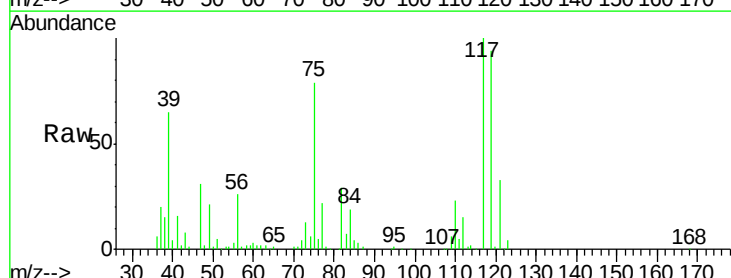
Manual Integrations
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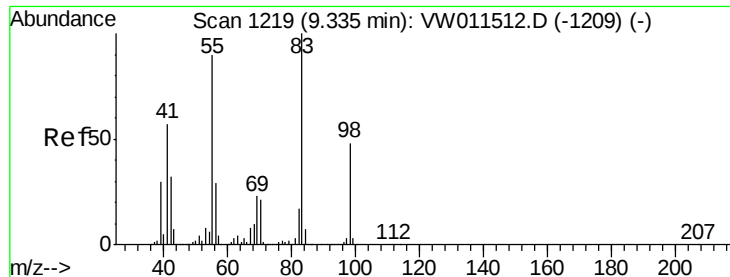
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.556 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.8	113.6
121	32.7	24.7	37.1





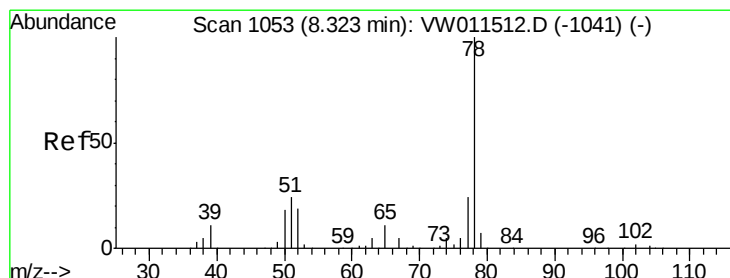
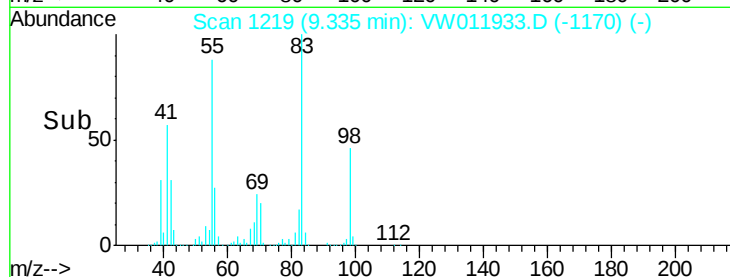
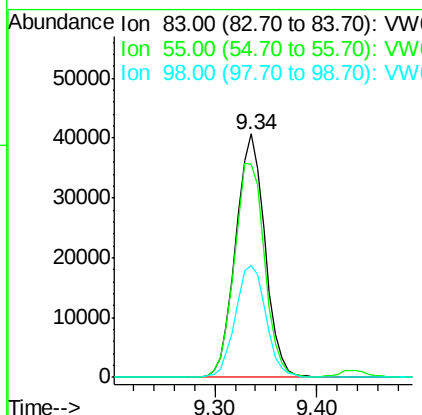
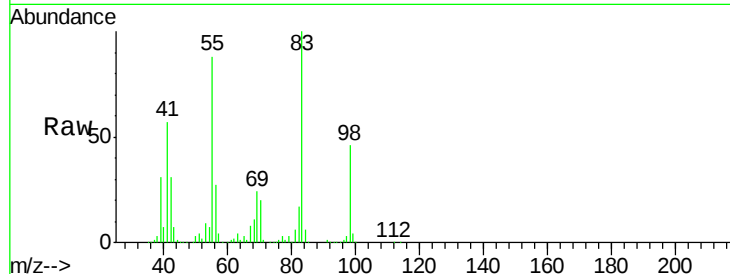
#39
Methvlcvclohexane
Concen: 20.784 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	72.1	108.1
98	46.1	38.6	57.8

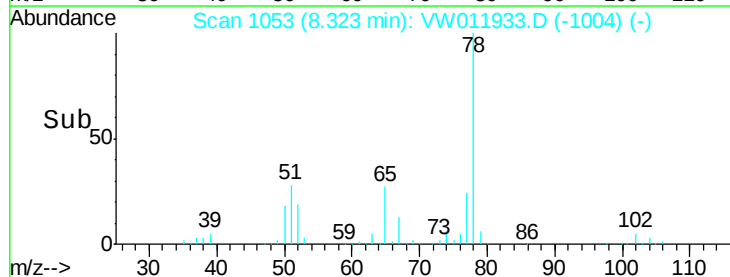
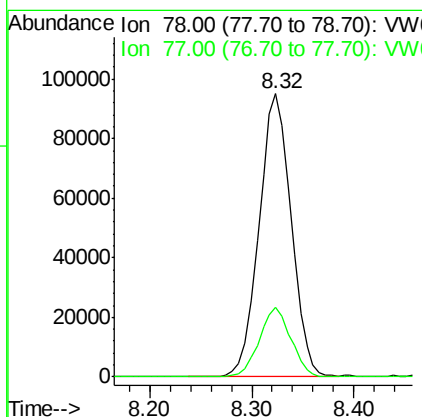
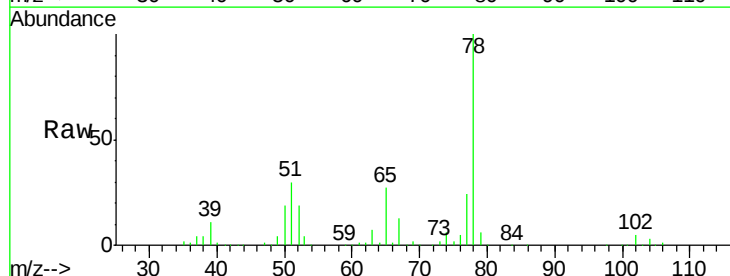
Manual Integrations
APPROVED

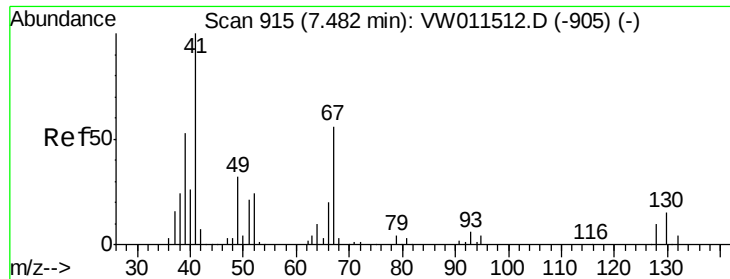
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#40
Benzene
Concen: 21.014 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





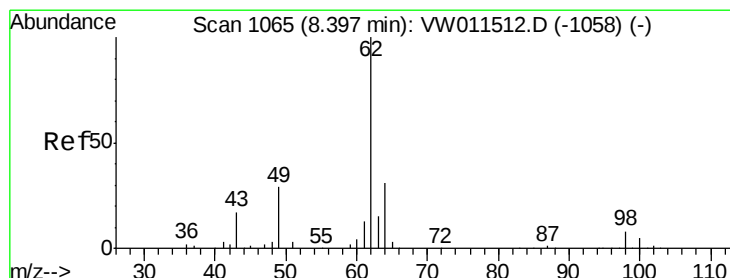
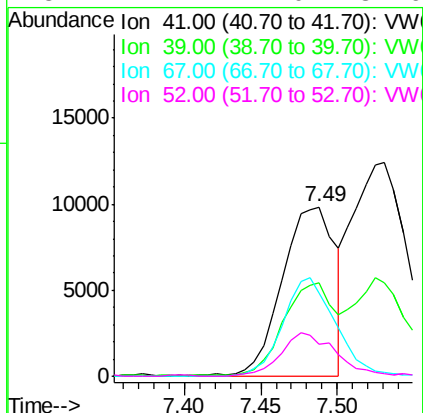
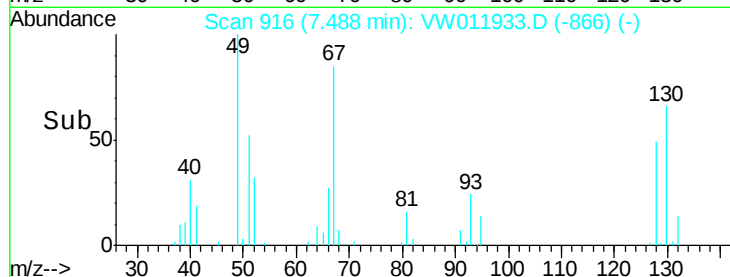
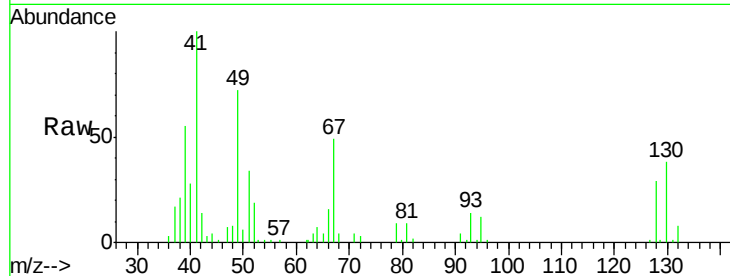
#41
Methacrylonitrile
Concen: 19.543 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampled :
VW0816SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	43.0	64.4
67	57.8	47.5	71.3
52	27.1	21.0	31.6

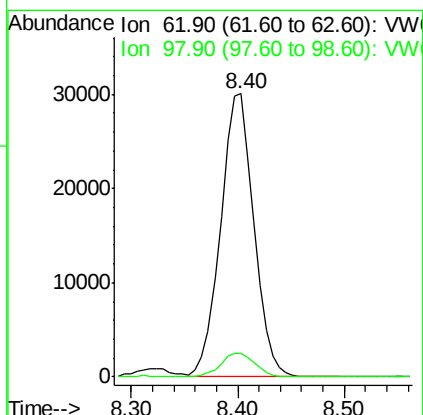
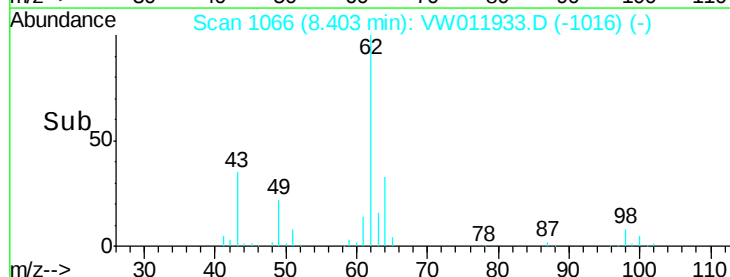
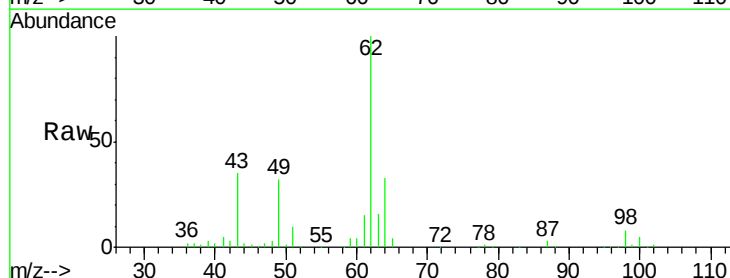
Manual Integrations
APPROVED

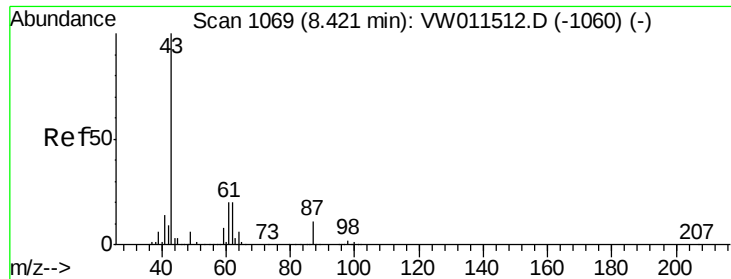
MMDadoda
8/16/2019 8:27:17 AM



#42
1,2-Dichloroethane
Concen: 21.154 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





#43

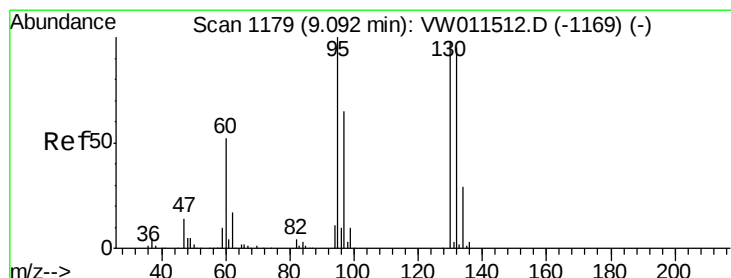
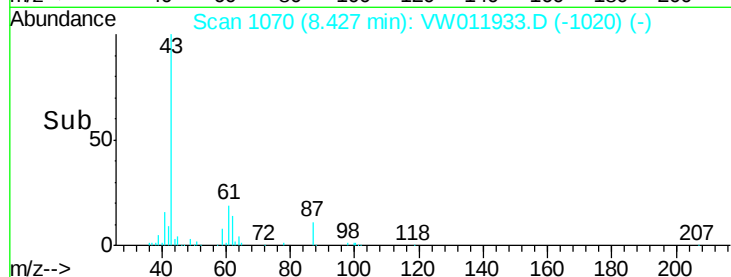
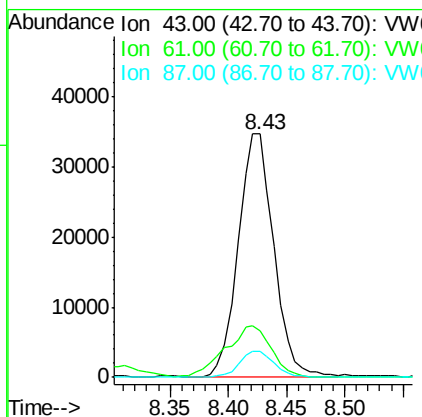
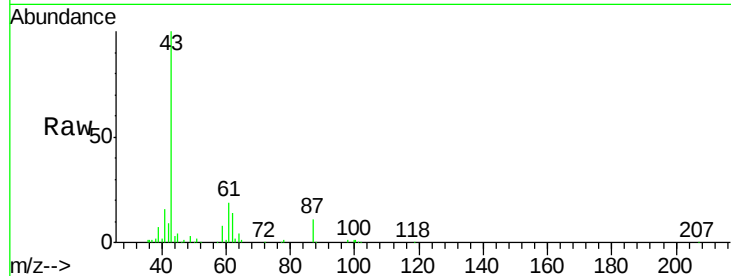
Isopropyl Acetate
 Concen: 19.832 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.5	32.3
87	10.6	8.4	12.6

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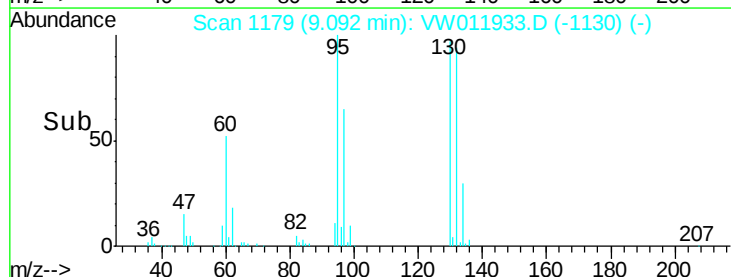
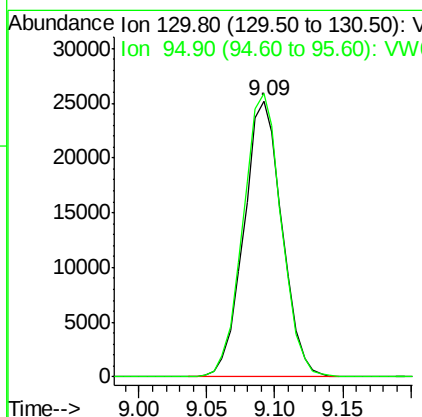
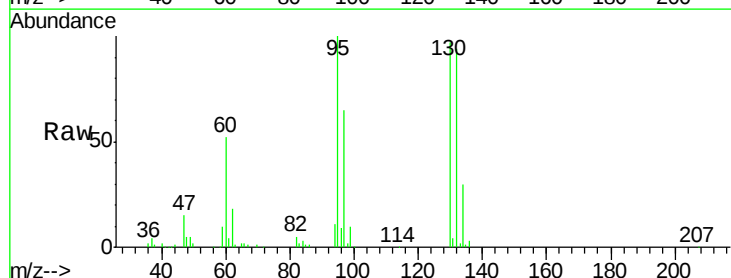
MMDadoda
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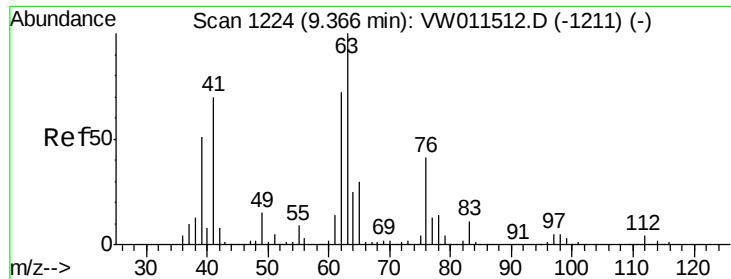


#44

Trichloroethene
 Concen: 20.803 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	204.8





#45

1,2-Dichloropropane

Concen: 21.257 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 63 Resp: 56285

Ion Ratio Lower Upper

63 100

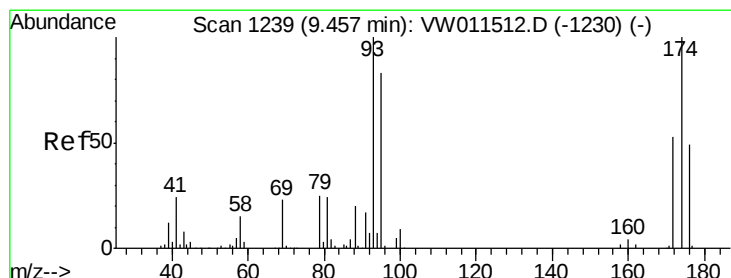
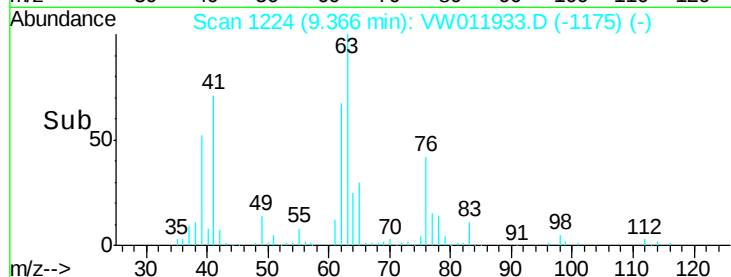
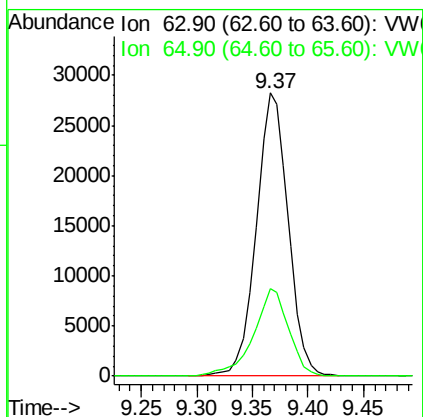
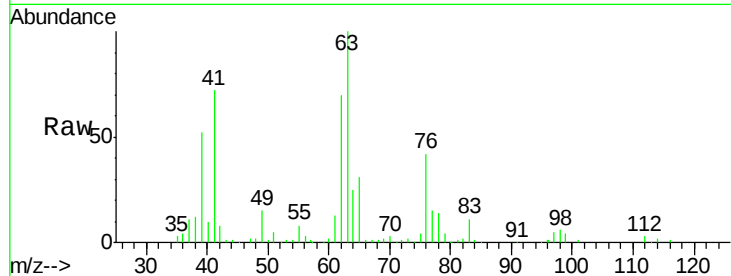
65 30.8 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 20.437 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

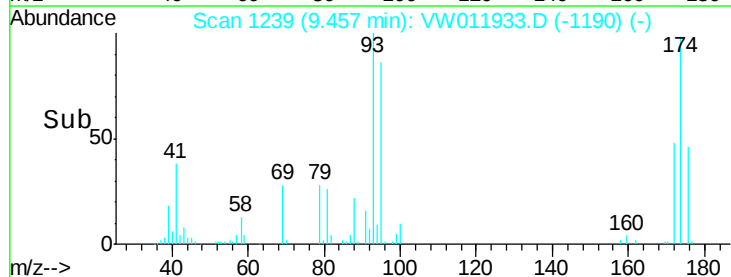
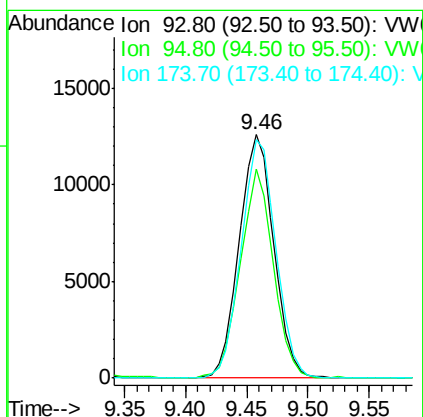
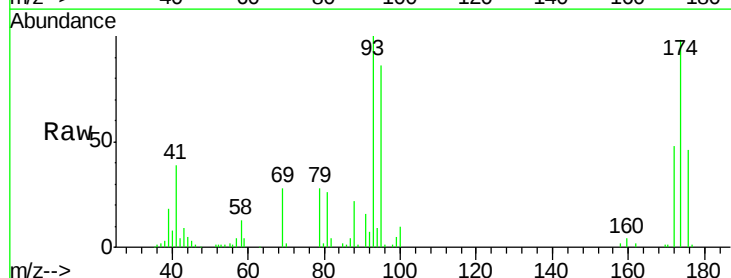
Tgt Ion: 93 Resp: 24698

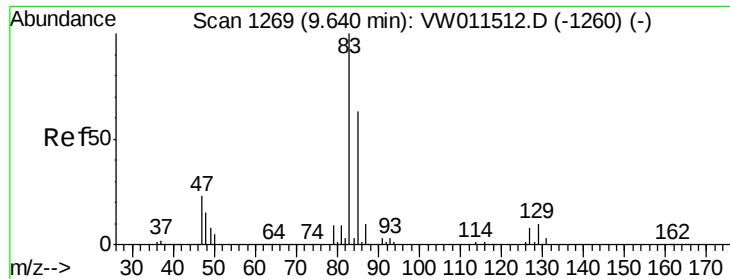
Ion Ratio Lower Upper

93 100

95 82.1 66.2 99.2

174 98.2 78.2 117.4





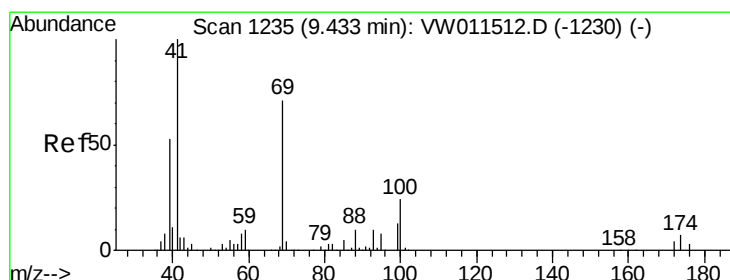
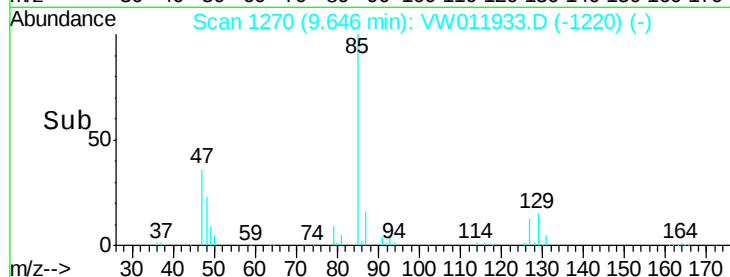
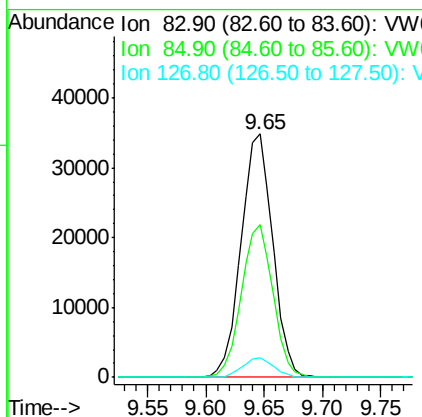
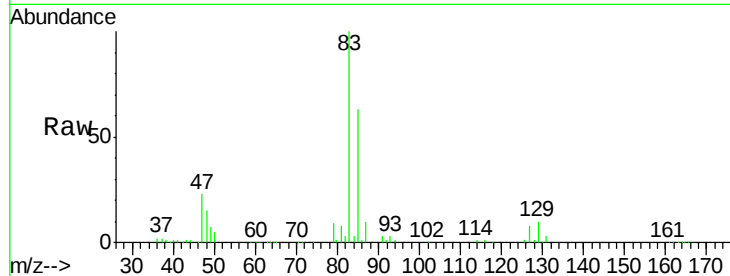
#47
Bromodichloromethane
Concen: 20.872 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	66167		
85	63.0		50.5	75.7
127	8.0		6.4	9.6

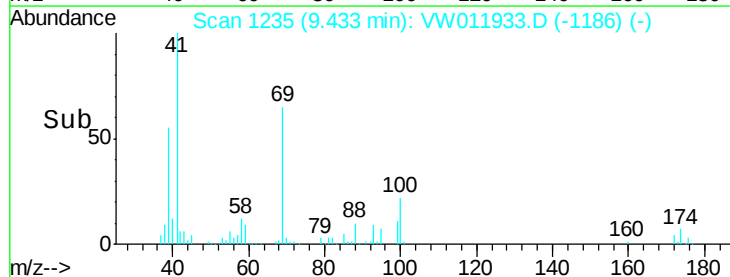
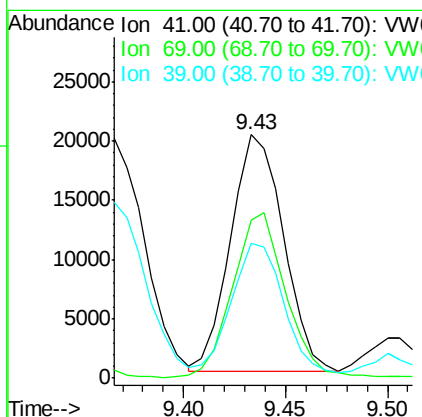
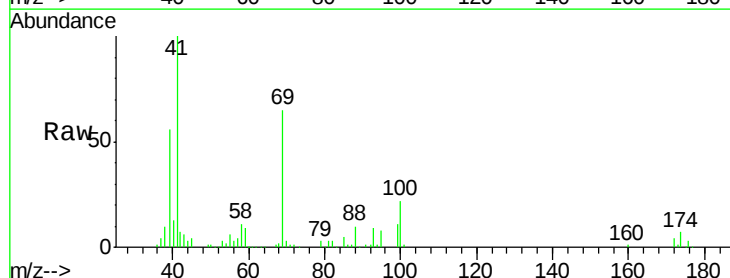
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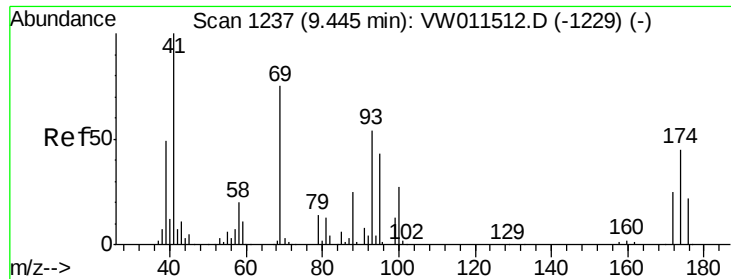
MMDadoda
8/16/2019 8:27:17 AM



#48
Methyl methacrylate
Concen: 19.924 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	35776		
69	70.5		57.1	85.7
39	58.7		45.4	68.2





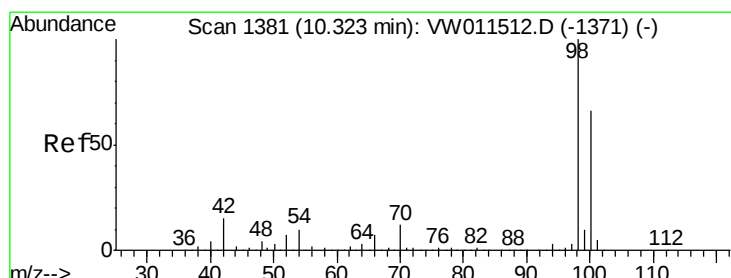
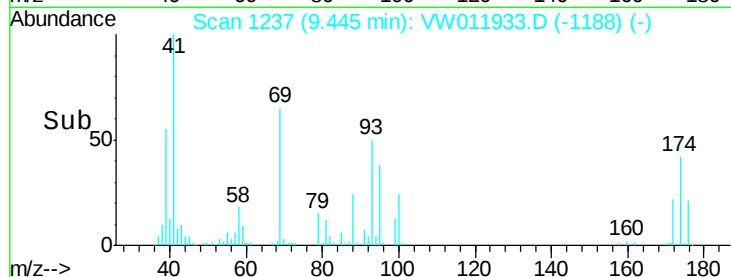
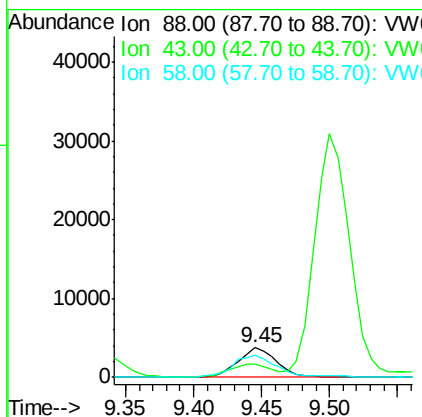
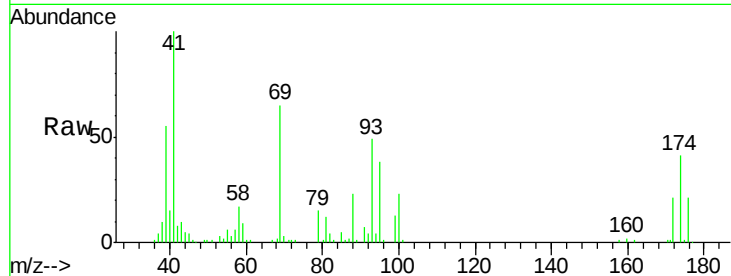
#49
1,4-Dioxane
Concen: 430.036 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion: 88 Resp: 7525
Ion Ratio Lower Upper
88 100
43 44.3 34.0 51.0
58 80.4 69.7 104.5

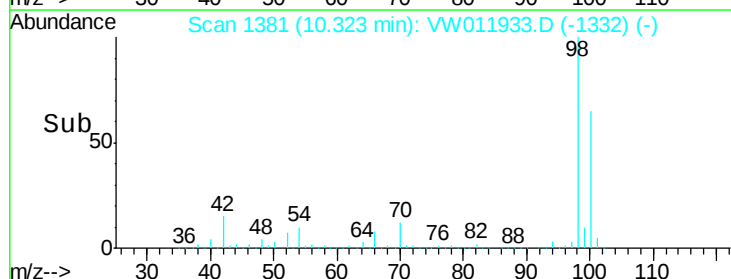
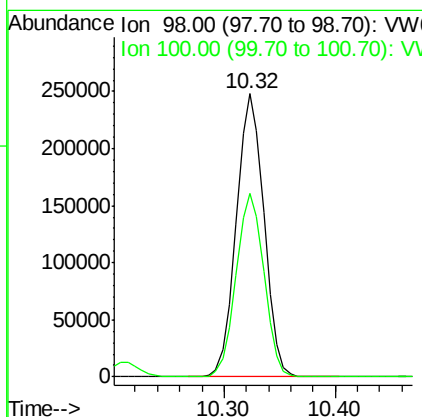
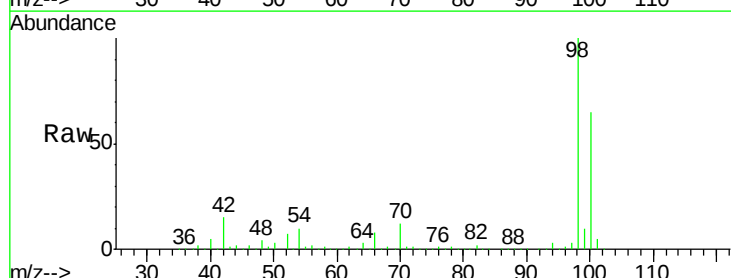
Manual Integrations
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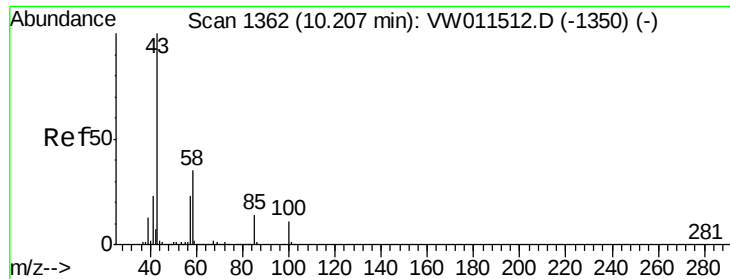
MMDadoda
8/16/2019 8:27:17 AM



#50
Toluene-d8
Concen: 54.586 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion: 98 Resp: 426001
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 98.320 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 43 Resp: 191170

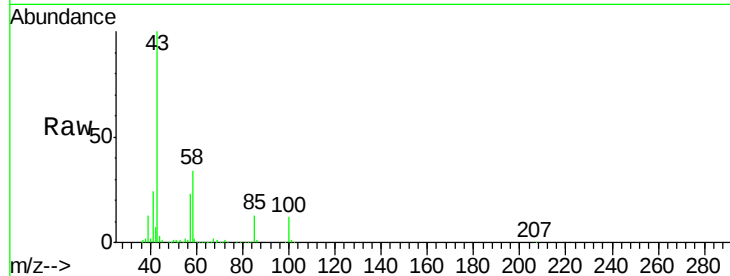
Ion Ratio Lower Upper

43 100

58 35.0 28.2 42.2

Manual Integrations
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MMDadoda
8/16/2019 8:27:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

120000

100000

80000

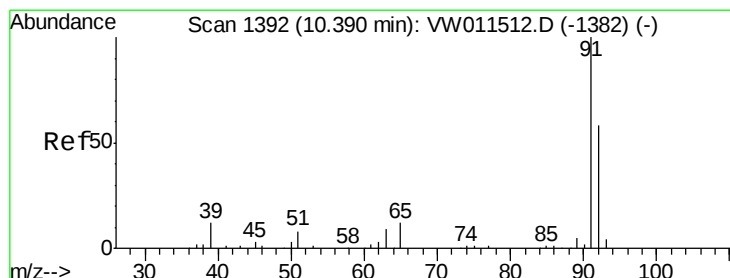
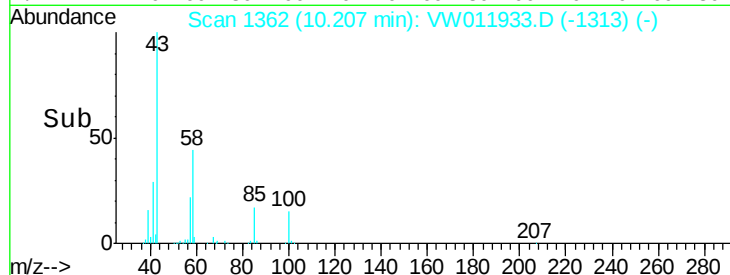
60000

40000

20000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 20.945 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011933.D

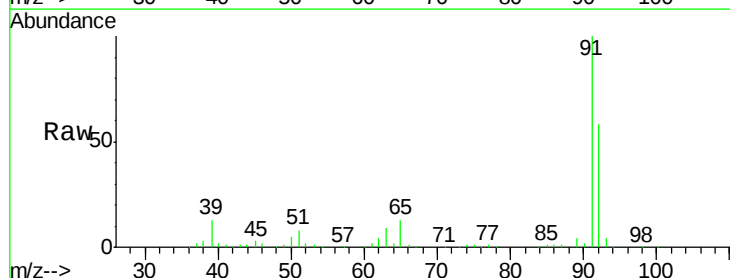
Acq: 15 Aug 2019 17:26

Tgt Ion: 92 Resp: 125167

Ion Ratio Lower Upper

92 100

91 170.9 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

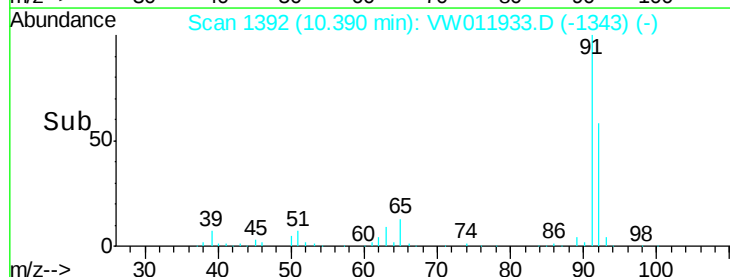
10.39

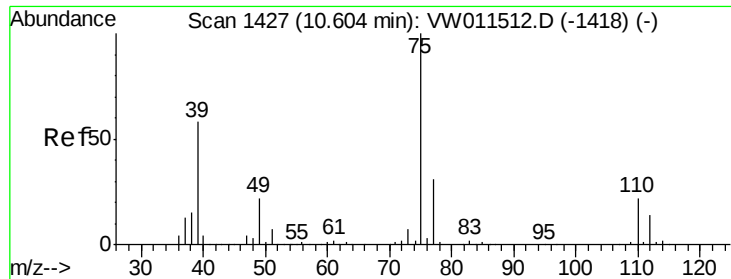
100000

50000

0

Time--> 10.30 10.40





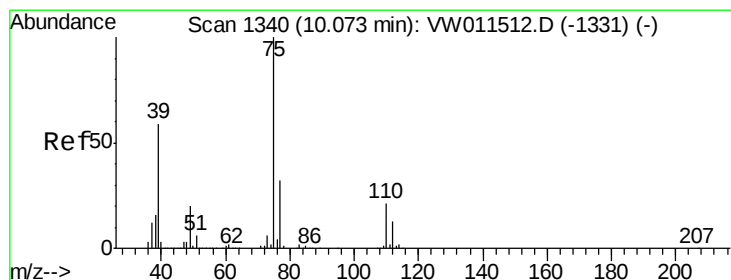
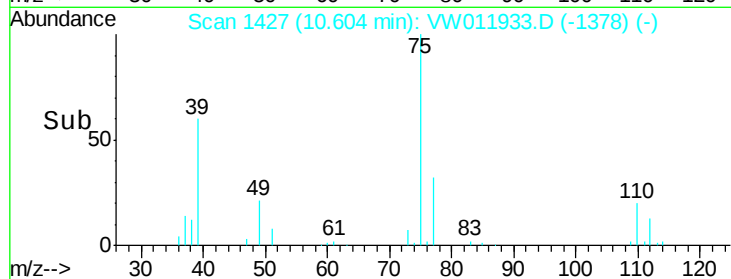
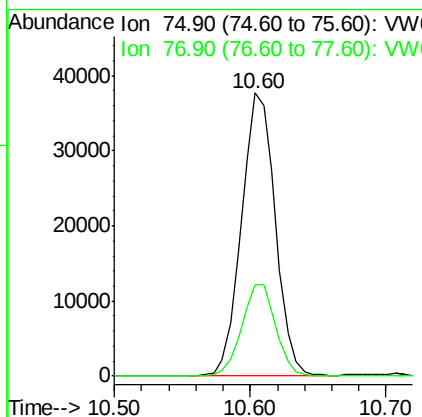
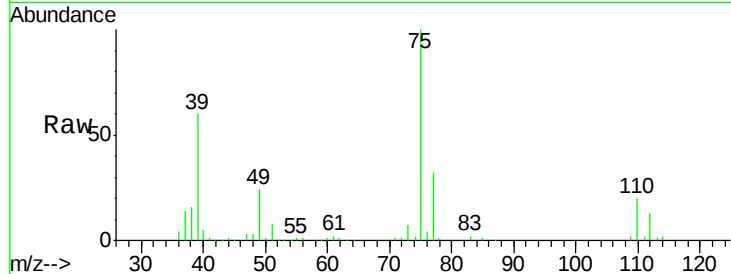
#53
 t-1,3-Dichloropropene
 Concen: 19.816 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

Tot Ion: 75 Resp: 65620
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.4

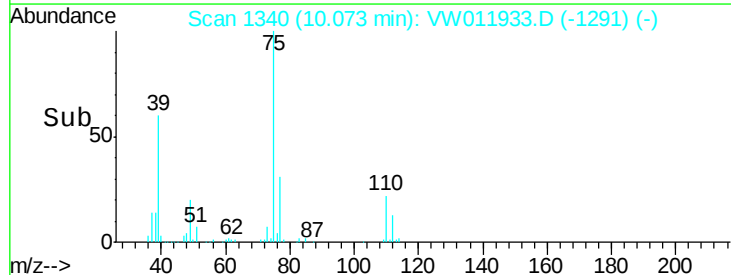
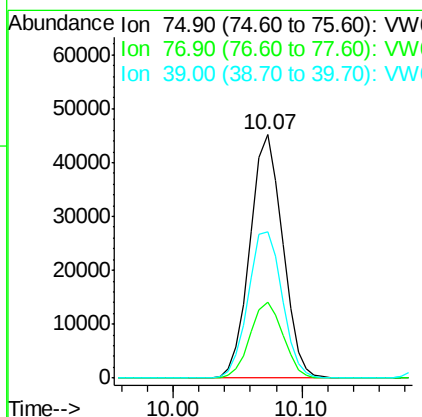
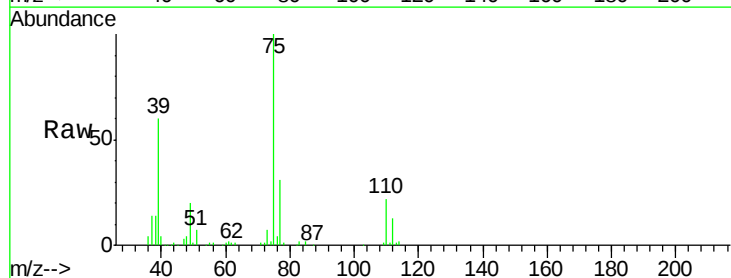
Manual Integrations
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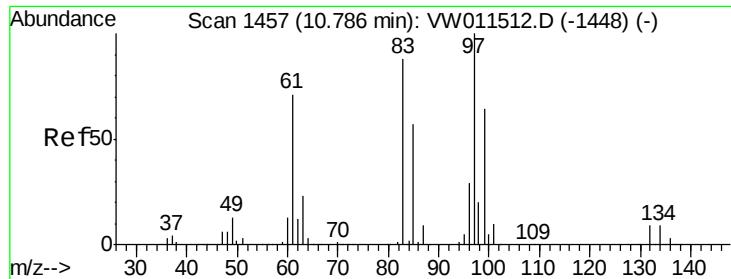
MMDadoda
 8/16/2019 8:27:17 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.144 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 75 Resp: 79316
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.6 38.4
 39 60.0 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 20.643 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 97 Resp: 35396

Ion Ratio Lower Upper

97 100

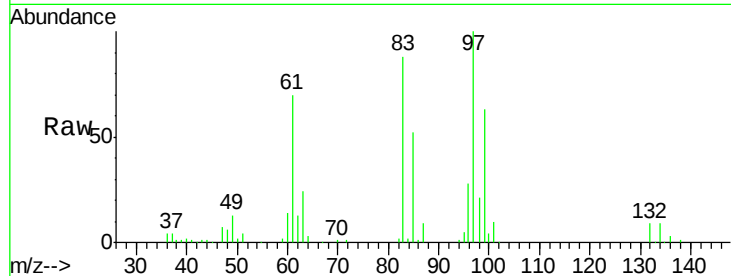
83 87.8 70.5 105.7

85 52.1 45.8 68.6

99 63.1 51.0 76.4

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MMDadoda
8/16/2019 8:27:17 AM

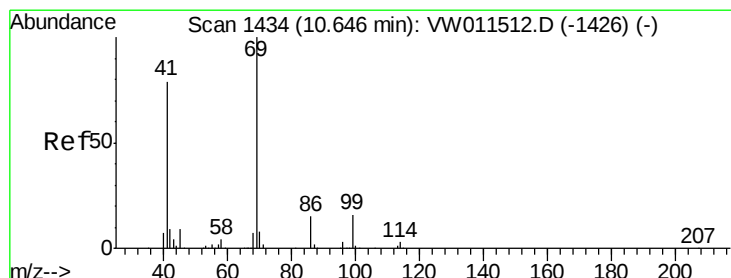
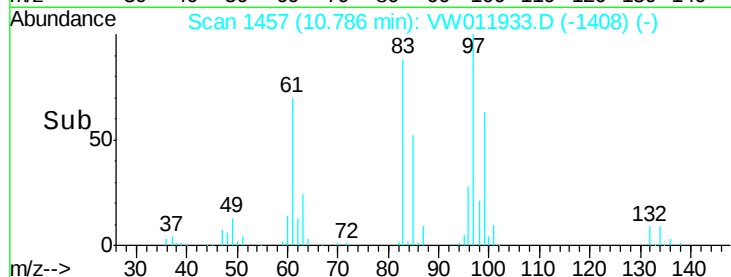
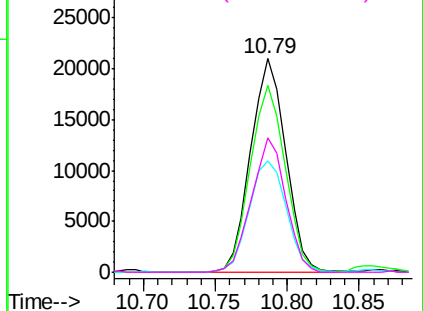


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.559 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

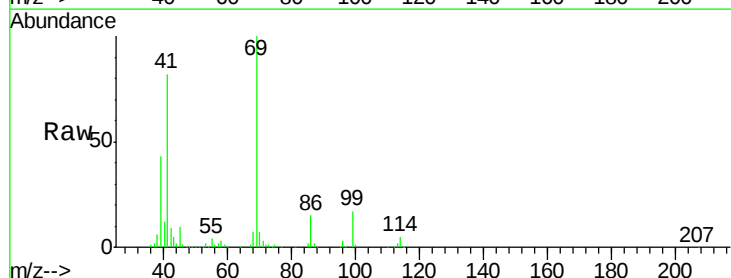
Tgt Ion: 69 Resp: 49077

Ion Ratio Lower Upper

69 100

41 83.5 66.6 99.8

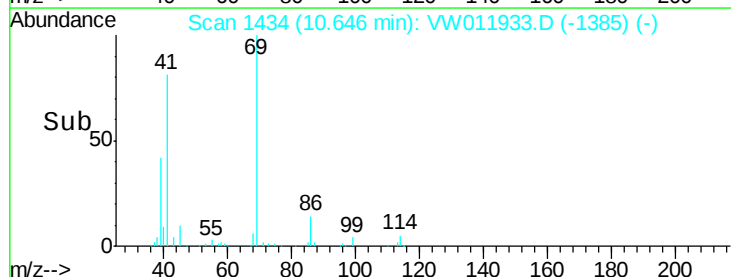
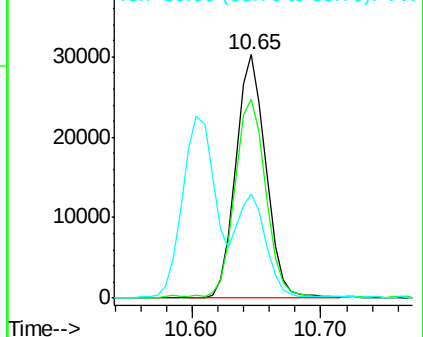
39 40.3 30.3 45.5

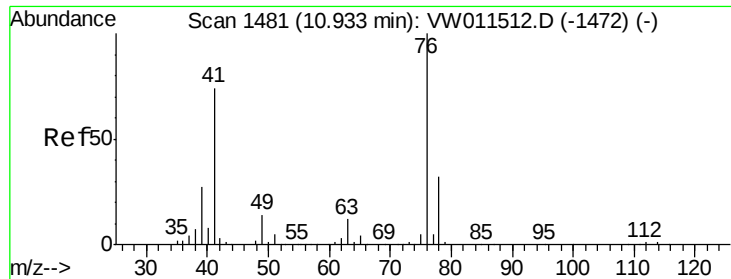


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





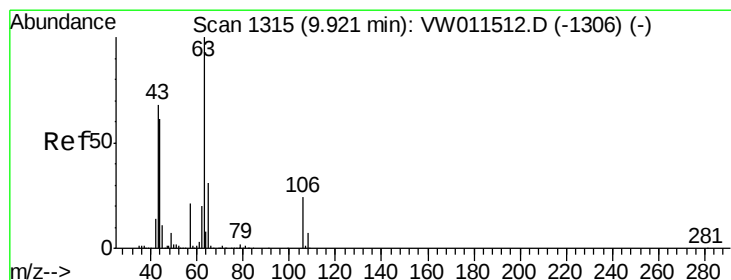
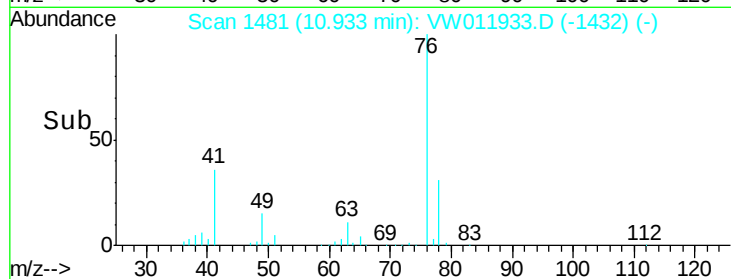
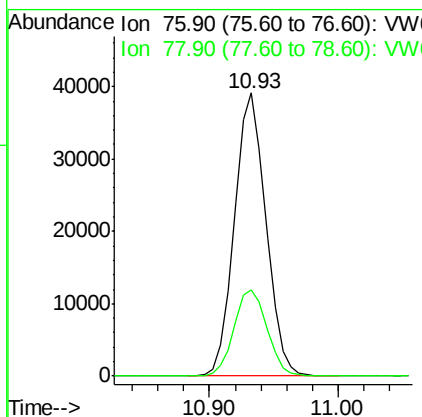
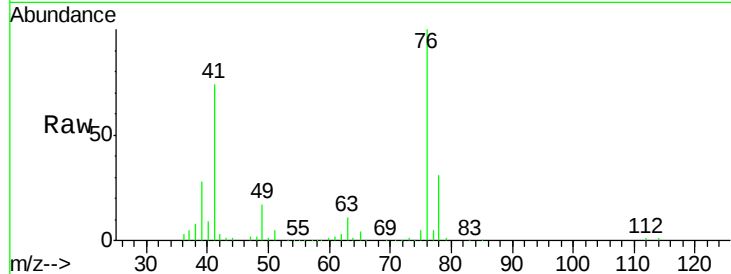
#57
 1,3-Dichloropropane
 Concen: 20.445 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion: 76 Resp: 66326
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

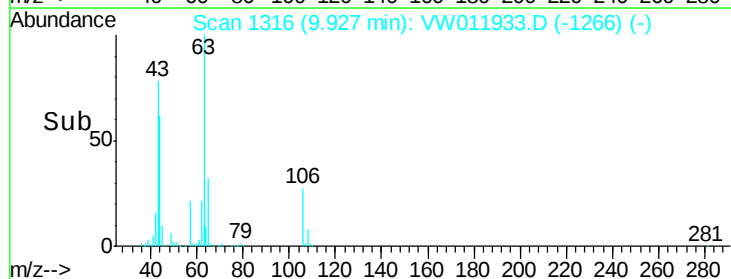
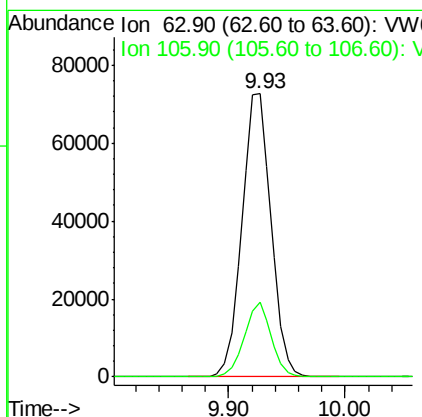
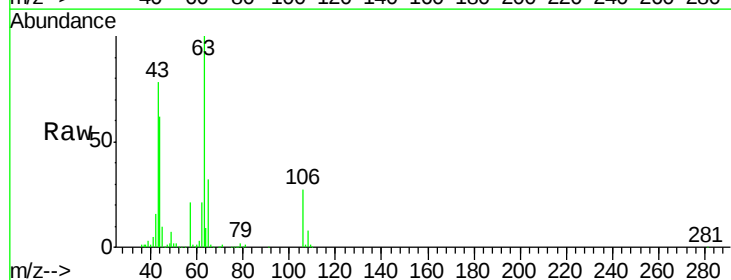
Manual Integrations
 APPROVED

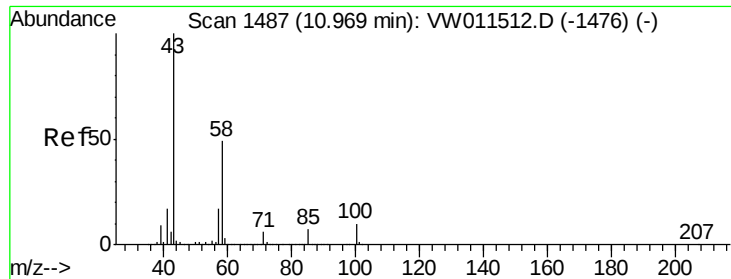
MMDadoda
 8/16/2019 8:27:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.356 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 63 Resp: 126863
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5





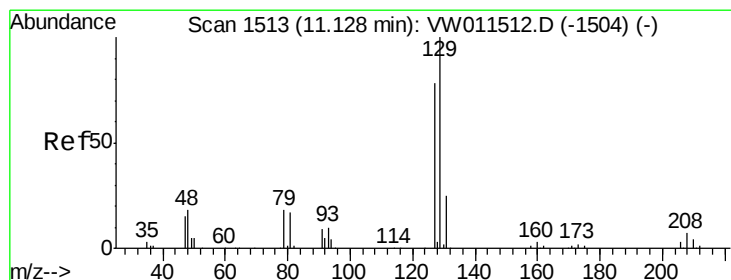
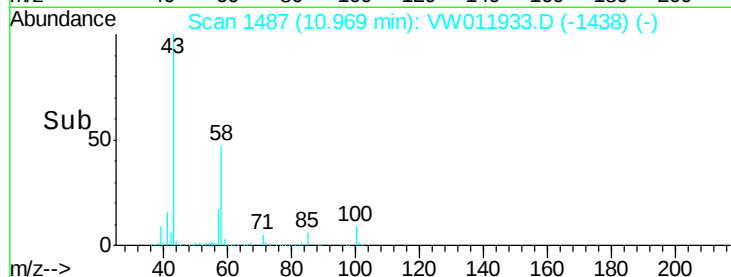
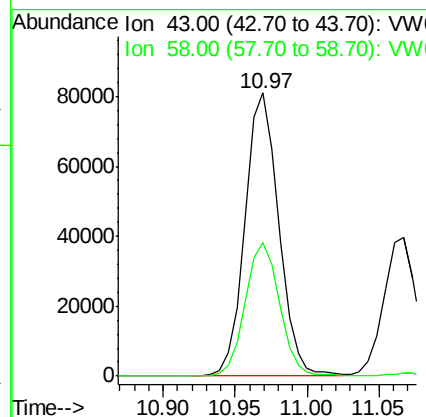
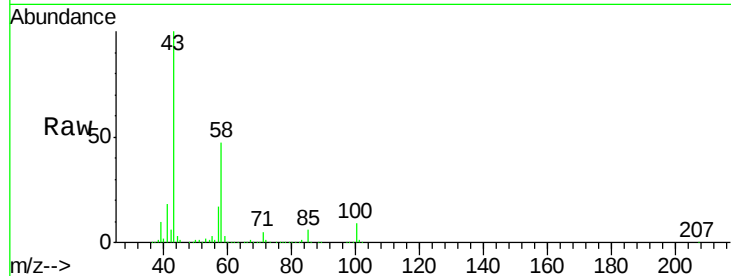
#59
2-Hexanone
Concen: 95.945 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	43	Resp	131718
Ion Ratio	100	Lower	Upper
43	100		
58	48.0	24.3	72.9

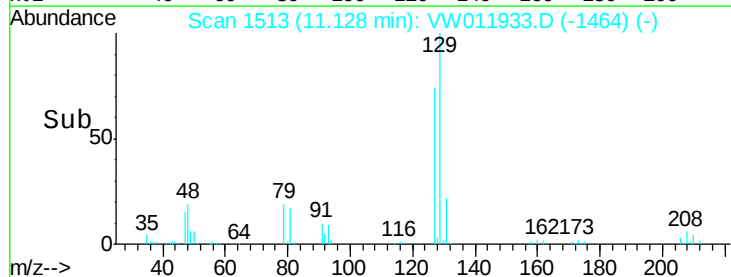
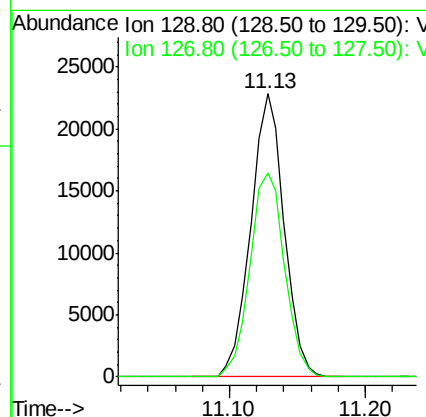
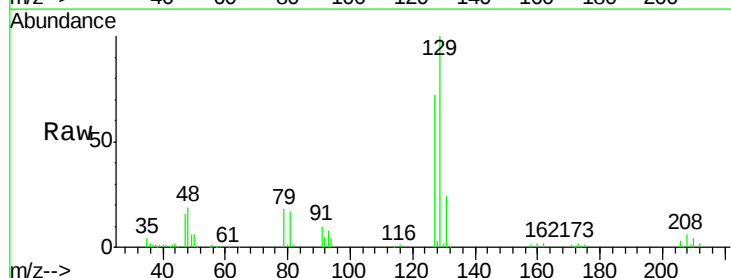
Manual Integrations
APPROVED

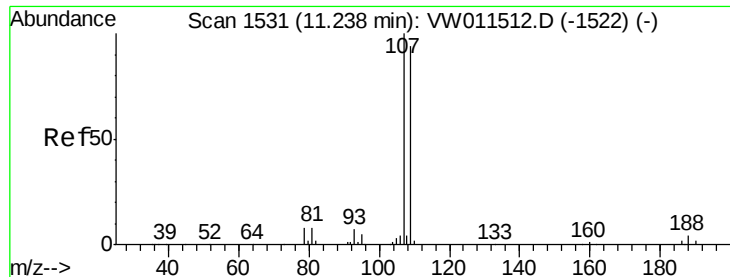
MMDadoda
8/16/2019 8:27:17 AM



#60
Dibromochloromethane
Concen: 20.630 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	129	Resp	39267
Ion Ratio	100	Lower	Upper
129	100		
127	74.8	38.9	116.7





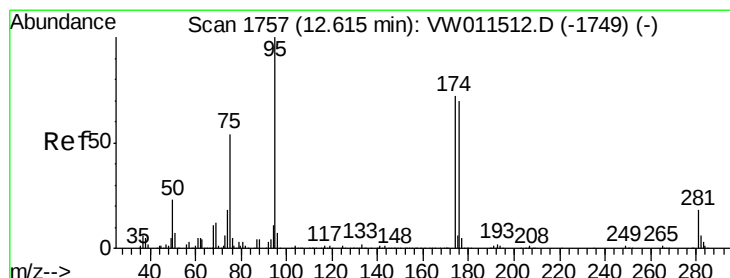
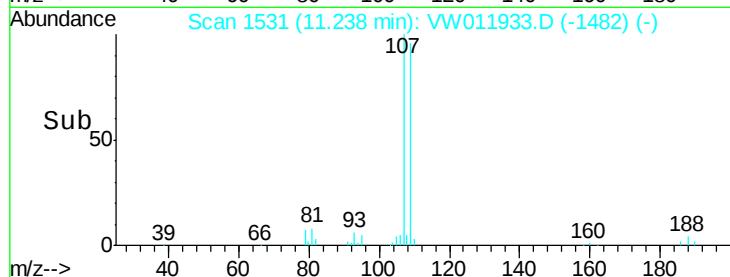
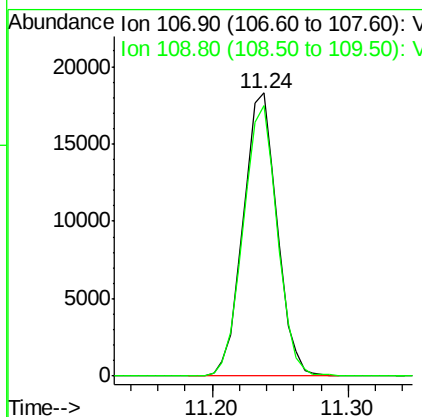
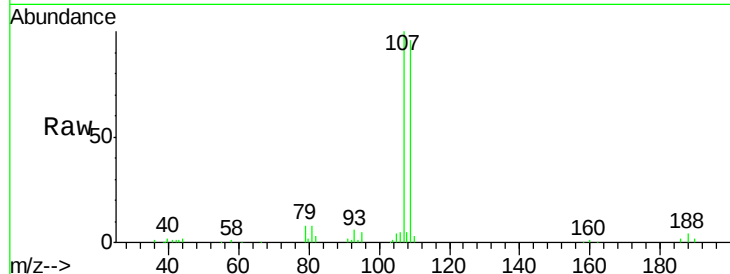
#61
 1,2-Dibromoethane
 Concen: 19.719 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.6

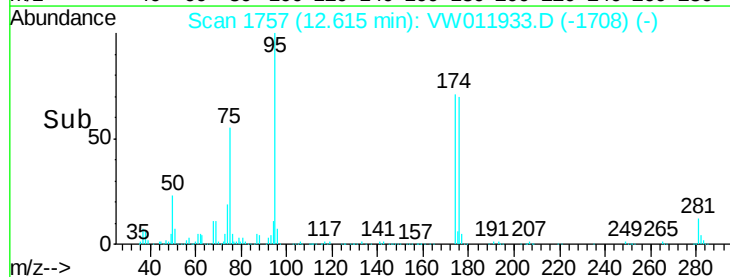
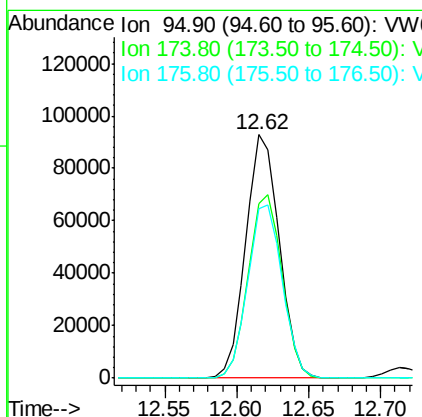
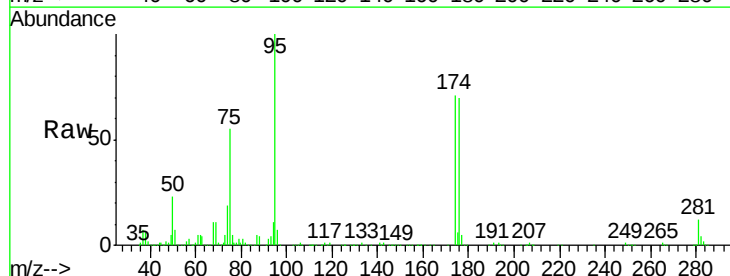
Manual Integrations
 APPROVED

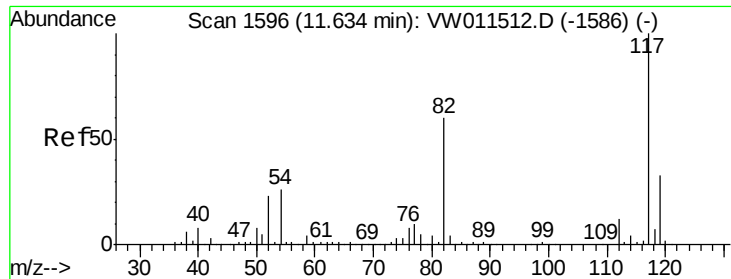
MMDadoda
 8/16/2019 8:27:17 AM



#62
 4-Bromofluorobenzene
 Concen: 53.759 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	150.2
176	73.2	0.0	144.4





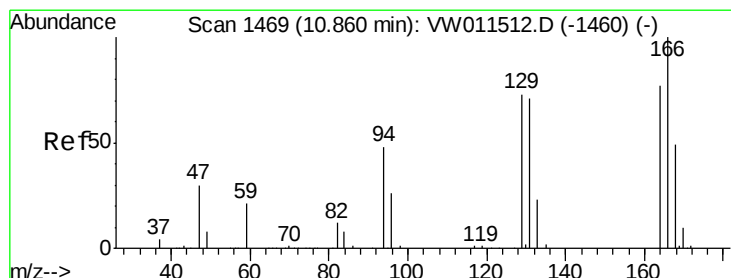
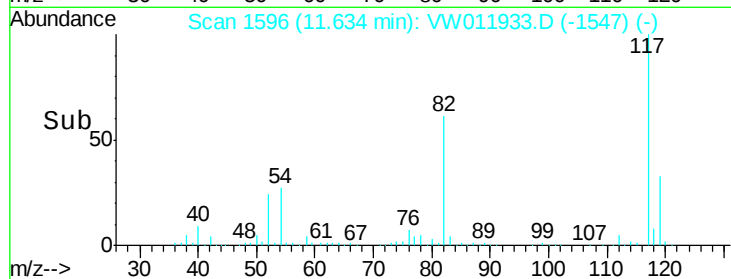
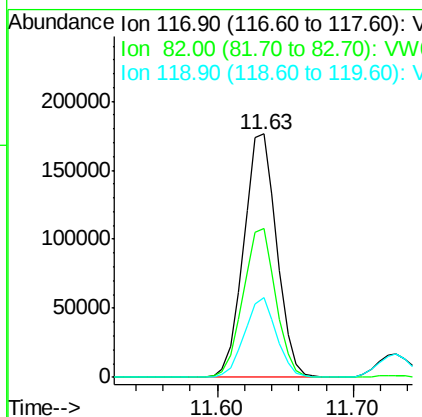
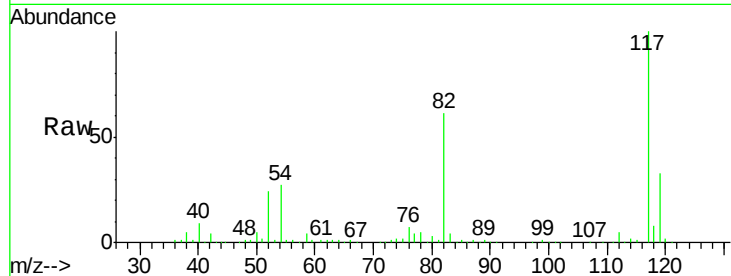
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298880		
82	61.0	47.9	71.9	
119	32.5	26.2	39.2	

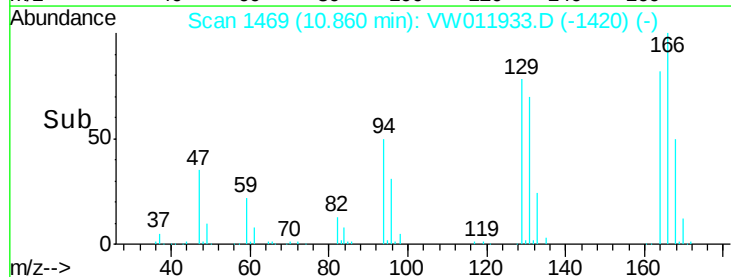
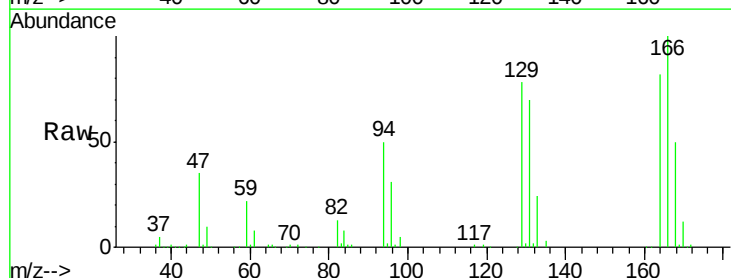
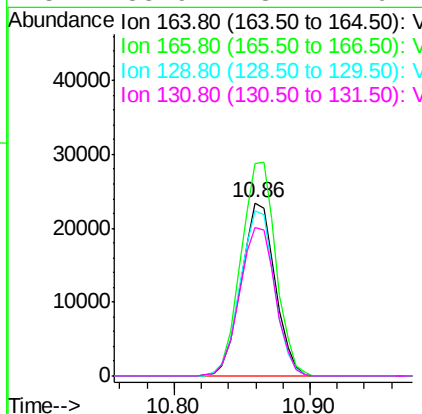
Manual Integrations
APPROVED

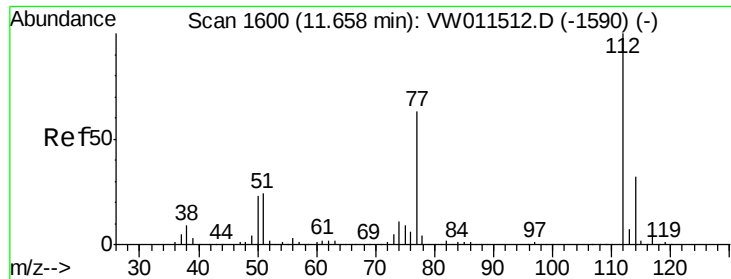
MMDadoda
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#64
Tetrachloroethene
Concen: 21.052 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40968		
166	122.6	103.5	155.3	
129	95.1	75.2	112.8	
131	85.9	73.4	110.2	





#65

Chlorobenzene

Concen: 21.119 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion:112 Resp: 126901

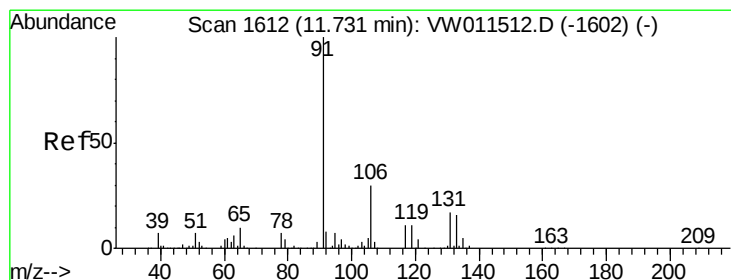
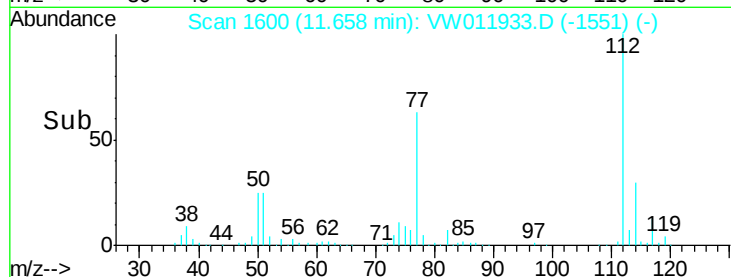
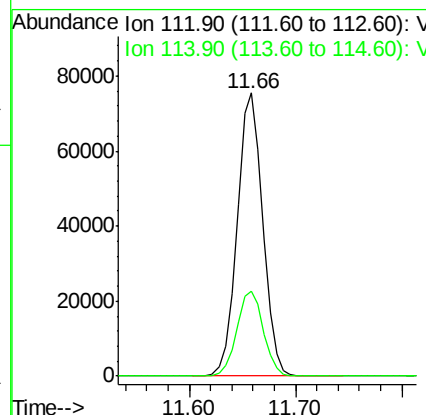
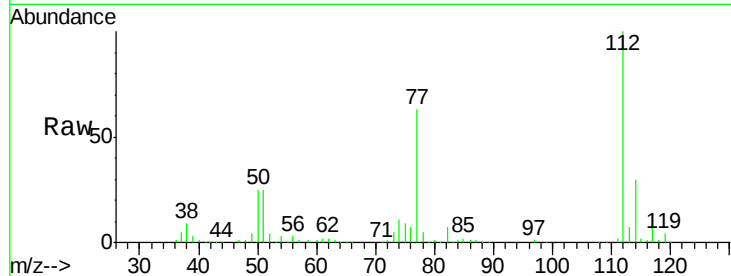
Ion Ratio Lower Upper

112 100

114 30.0 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.625 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

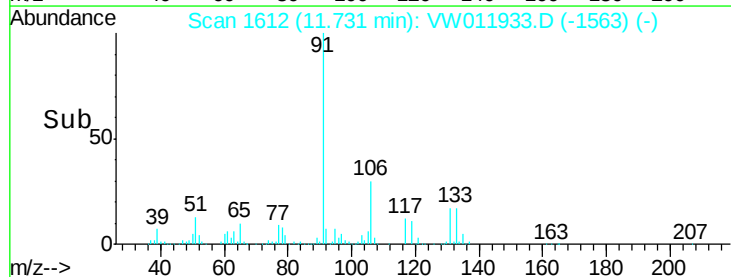
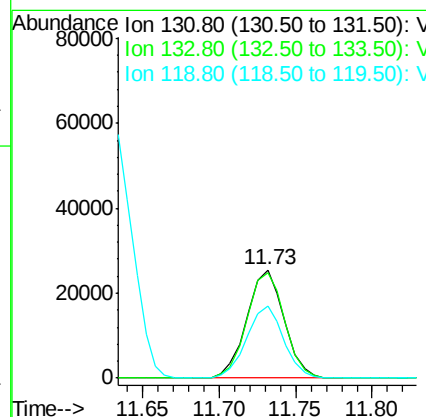
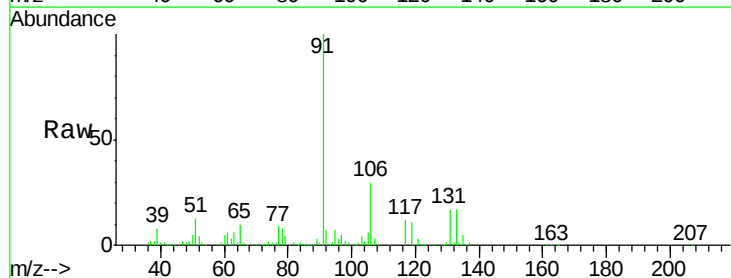
Tgt Ion:131 Resp: 43168

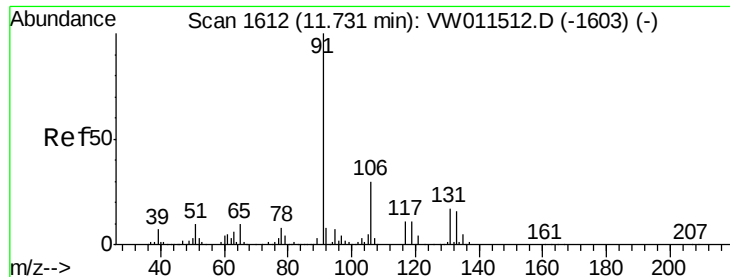
Ion Ratio Lower Upper

131 100

133 98.1 47.4 142.2

119 65.6 32.3 96.9





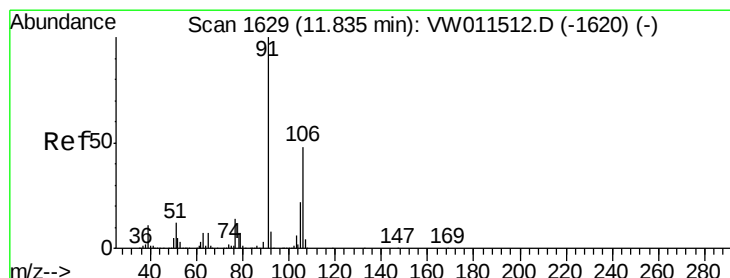
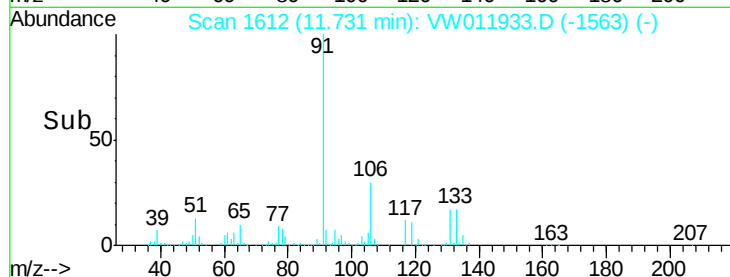
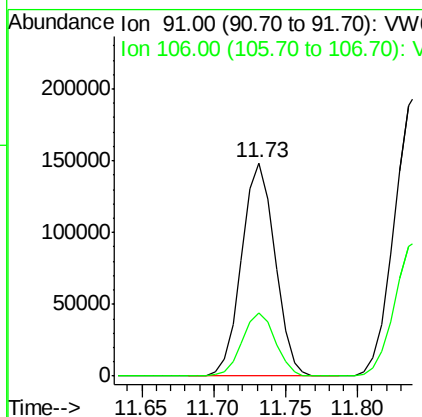
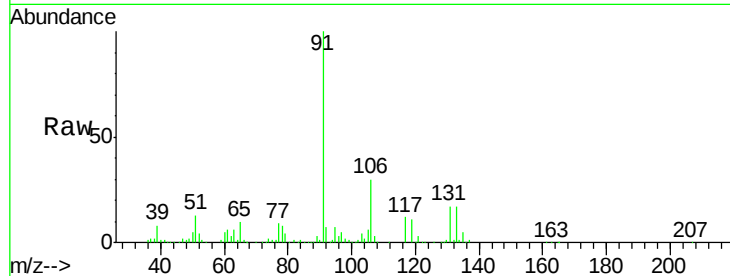
#67
Ethyl Benzene
Concen: 20.910 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6

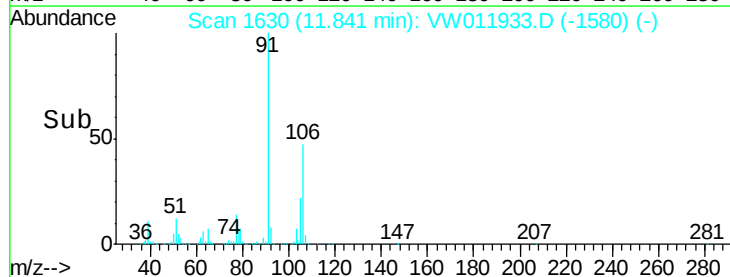
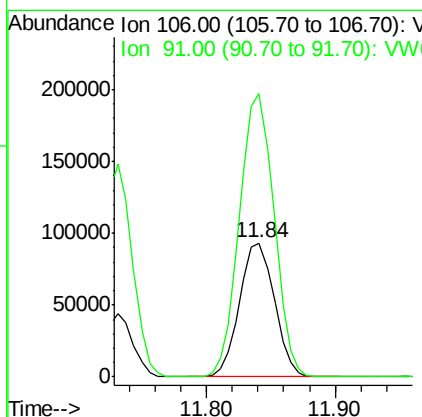
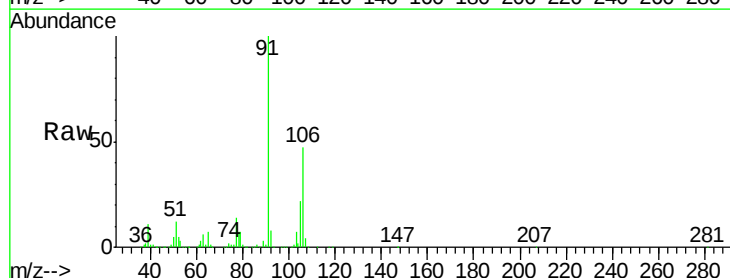
Manual Integrations
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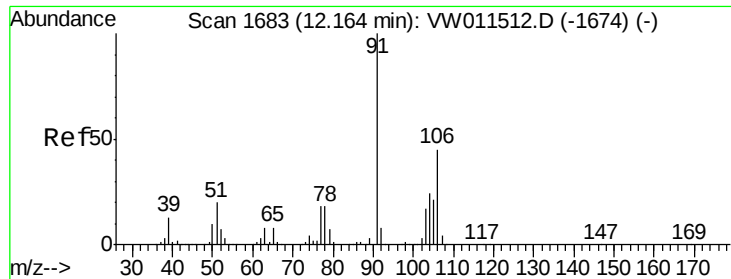
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#68
m/p-Xylenes
Concen: 42.056 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.3	168.2	252.2





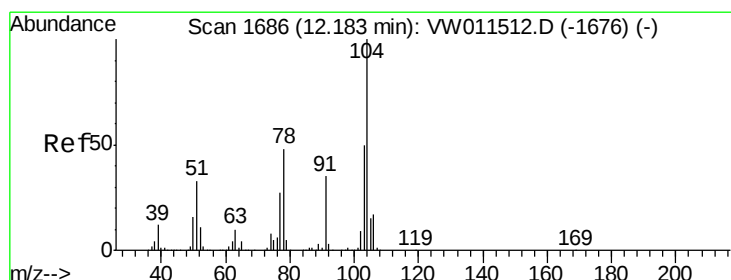
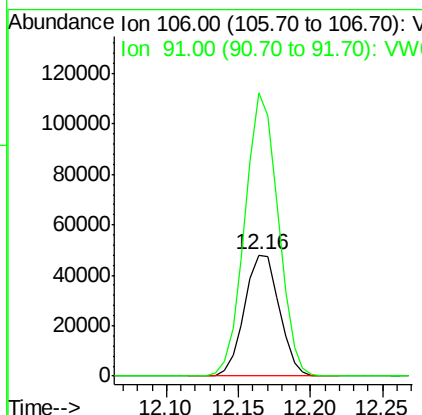
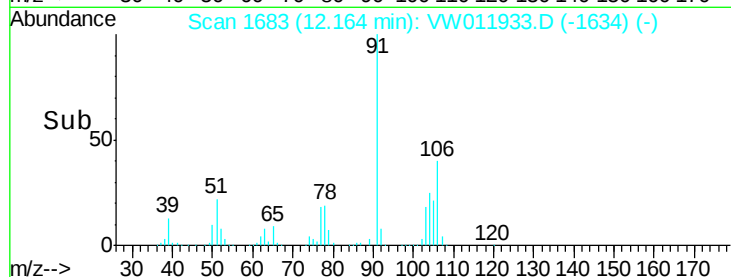
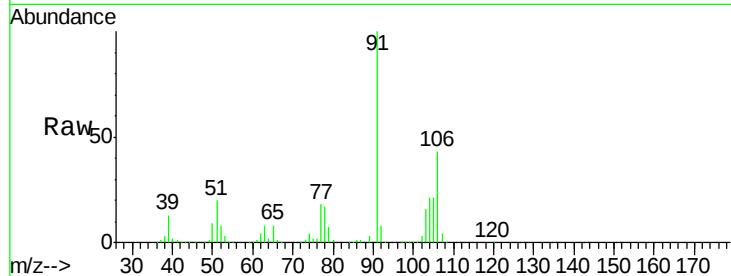
#69
o-Xylene
Concen: 20.765 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion:106 Resp: 80308
Ion Ratio Lower Upper
106 100
91 223.8 110.5 331.5

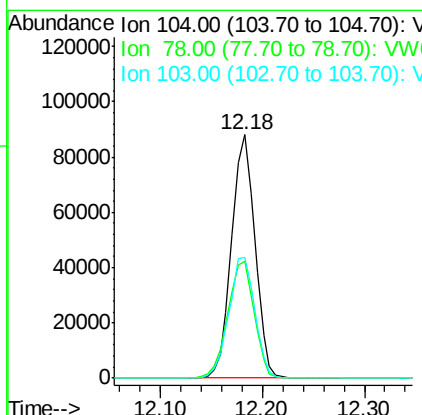
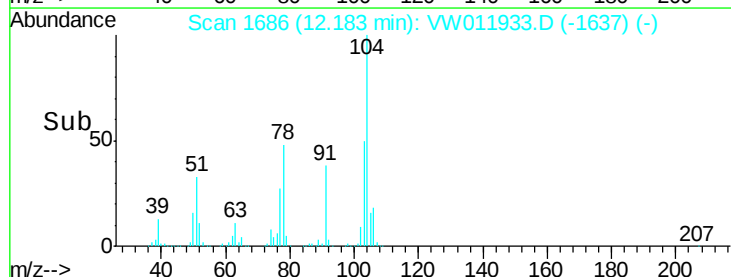
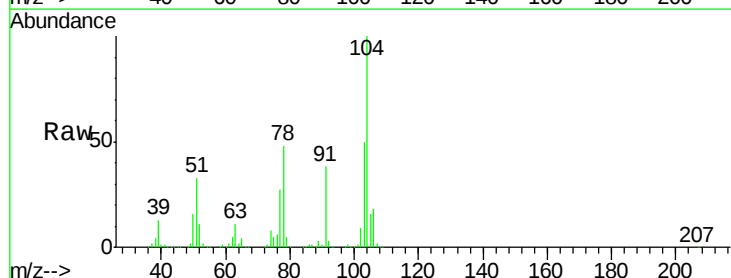
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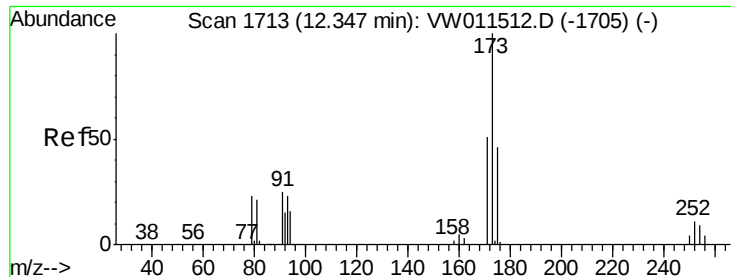
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#70
Styrene
Concen: 20.930 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion:104 Resp: 139960
Ion Ratio Lower Upper
104 100
78 54.0 43.4 65.0
103 55.1 43.9 65.9





#71

Bromoform

Concen: 19.914 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion:173 Resp: 21251

Ion Ratio Lower Upper

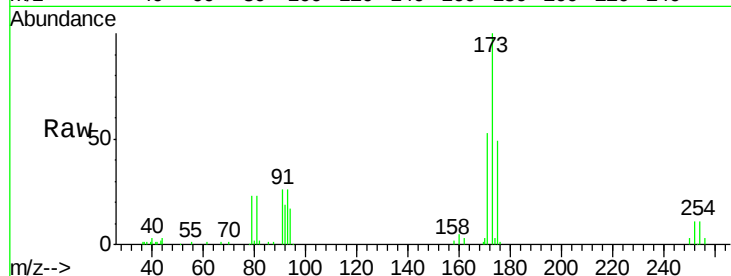
173 100

175 48.9 23.6 71.0

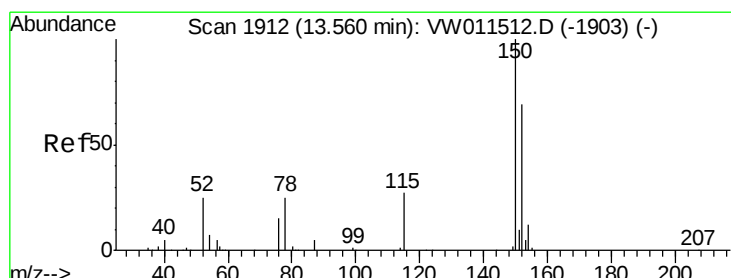
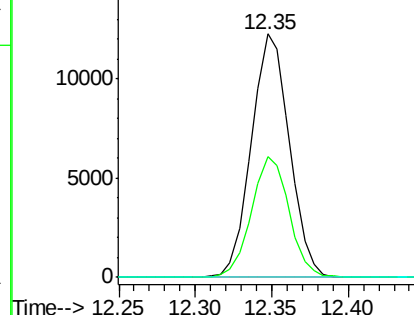
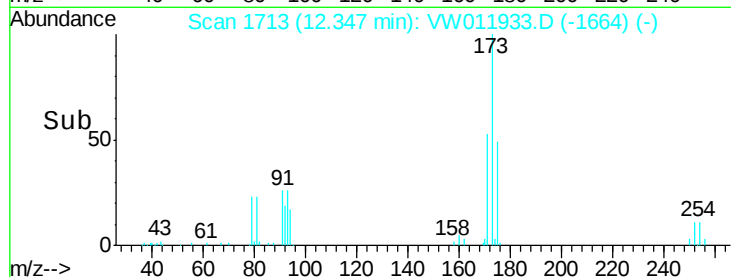
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

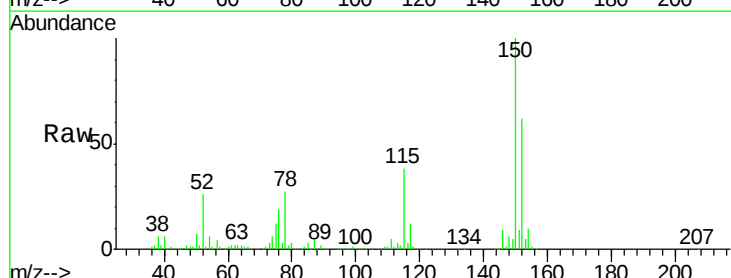
Tgt Ion:152 Resp: 144455

Ion Ratio Lower Upper

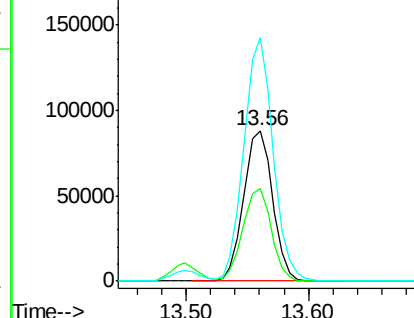
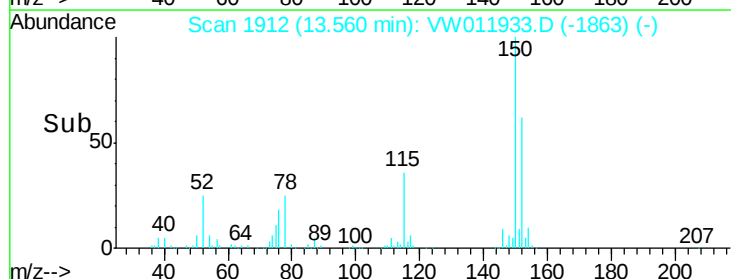
152 100

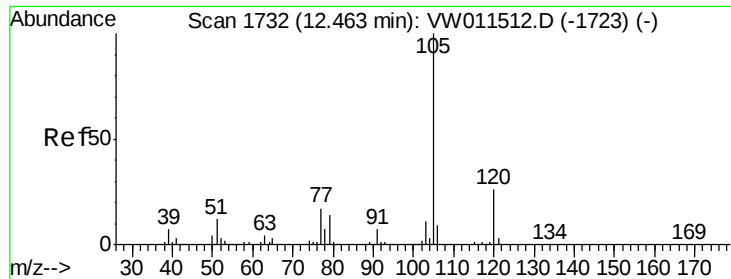
115 60.9 30.5 91.5

150 163.2 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.906 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 105 Resp: 225302

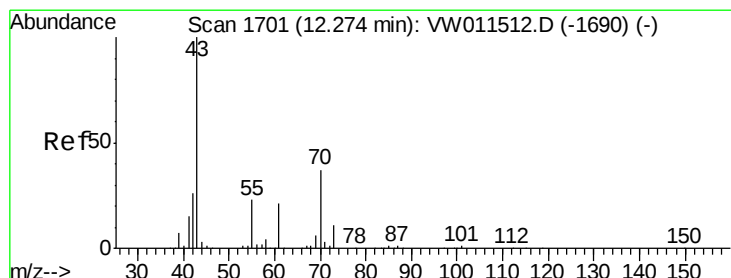
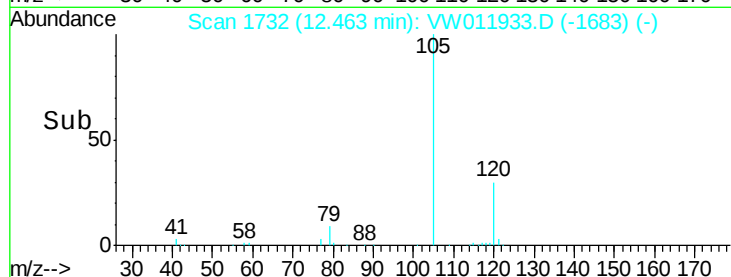
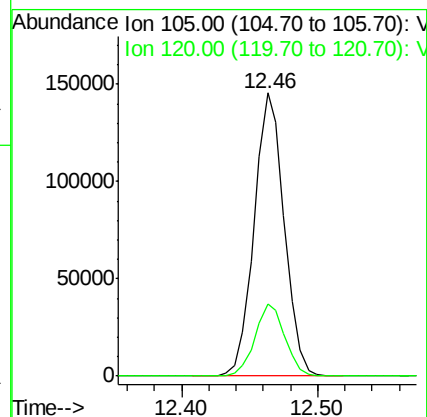
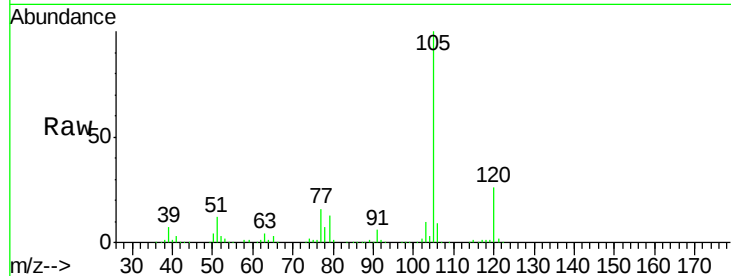
Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.333 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion: 43 Resp: 68602

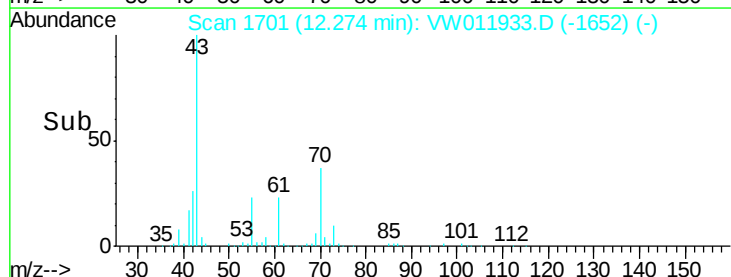
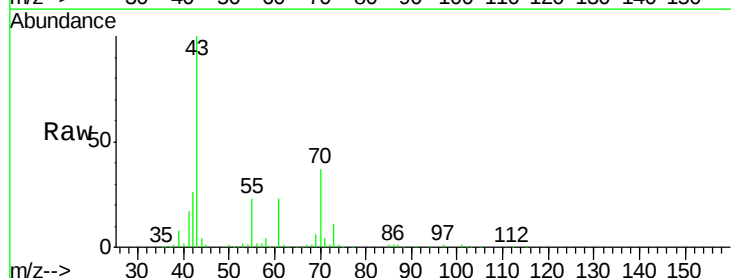
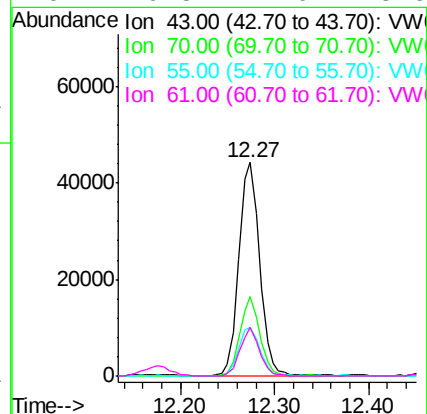
Ion Ratio Lower Upper

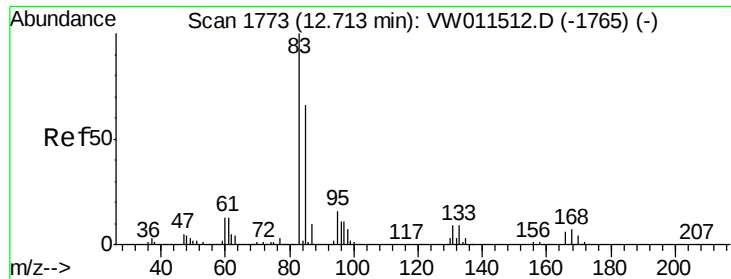
43 100

70 35.1 28.6 43.0

55 23.6 17.8 26.8

61 20.8 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.671 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

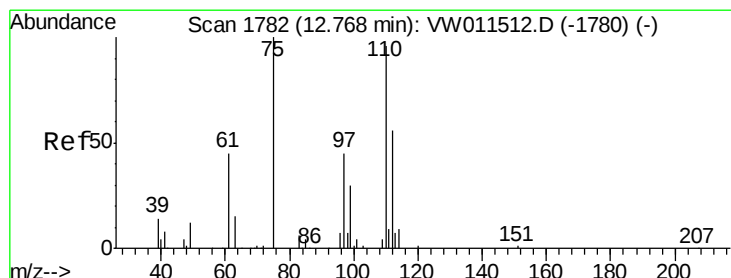
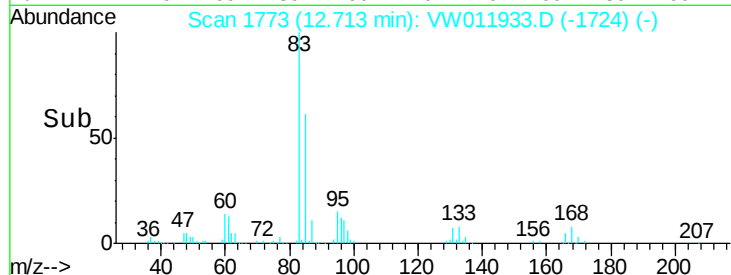
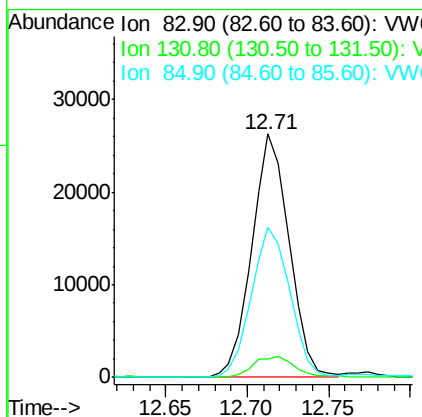
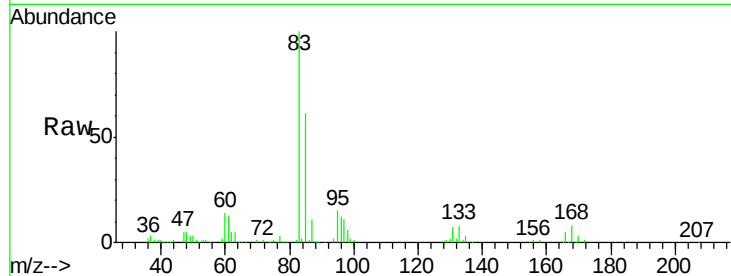
ClientSampleId :

VW0816SBS01

Tot Ion:	83	Resp:	41902
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	63.7	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.625 ug/l m

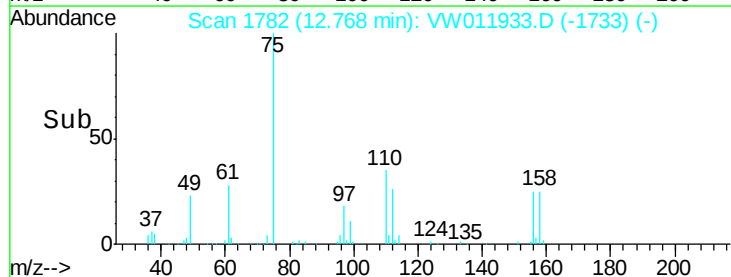
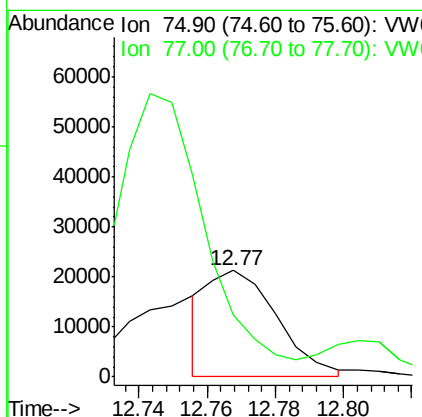
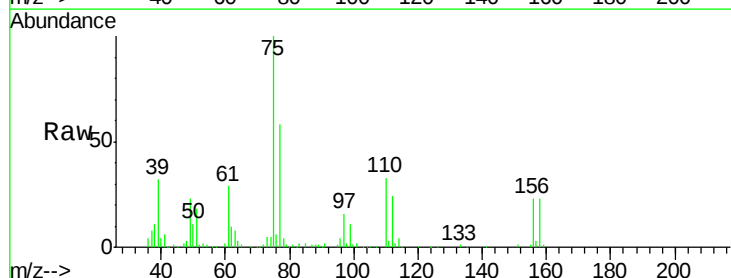
RT: 12.77 min Scan# 1782

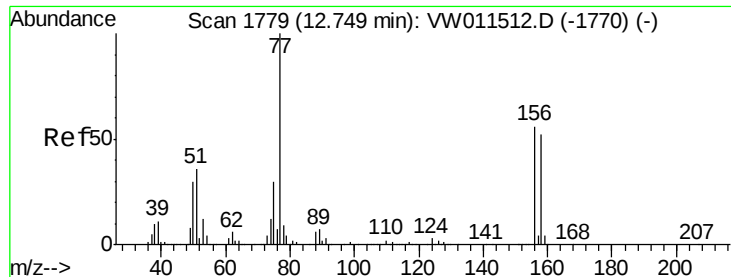
Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion:	75	Resp:	29997
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.100 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

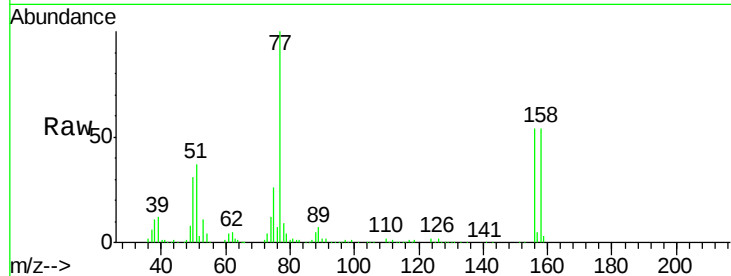
ClientSampleId :

VW0816SBSD01

Tot Ion:	156	Resp:	50260
Ion Ratio	Lower	Upper	
156	100		
77	209.8	106.5	319.4
158	94.9	48.0	144.2

Manual Integrations
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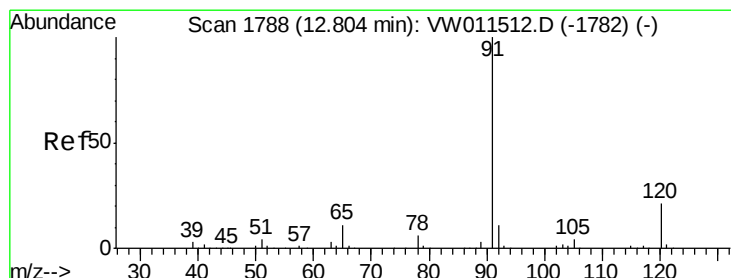
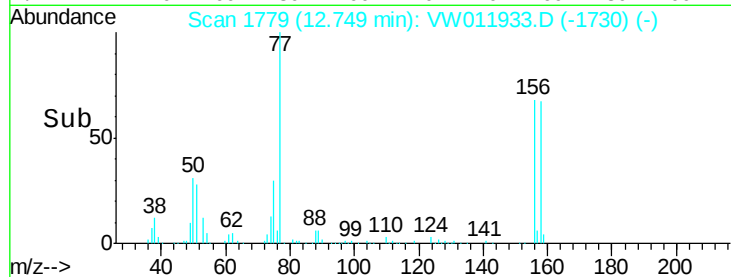
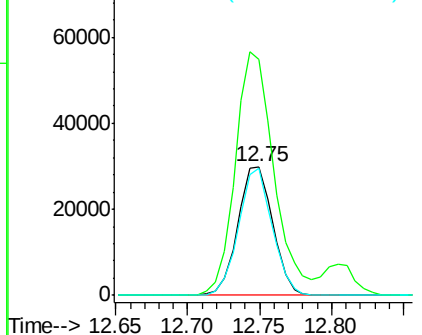
MMDadoda
8/16/2019 8:27:17 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.912 ug/l

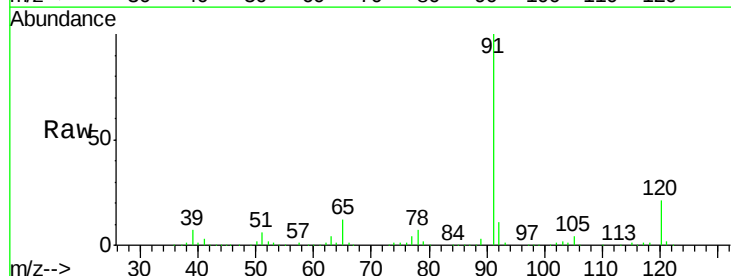
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011933.D

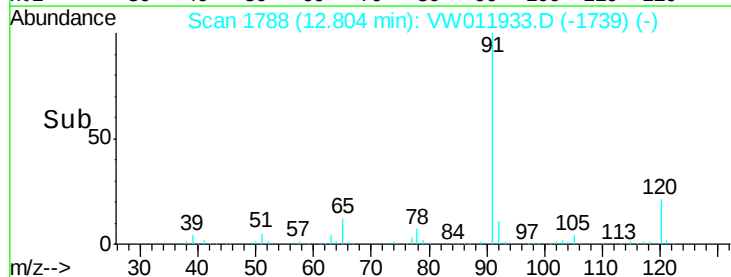
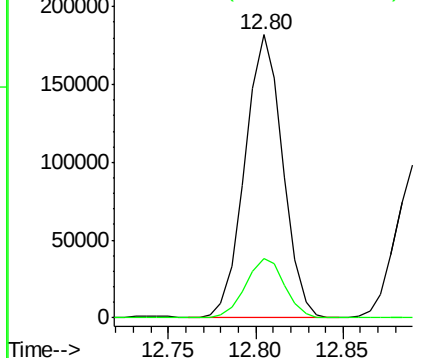
Acq: 15 Aug 2019 17:26

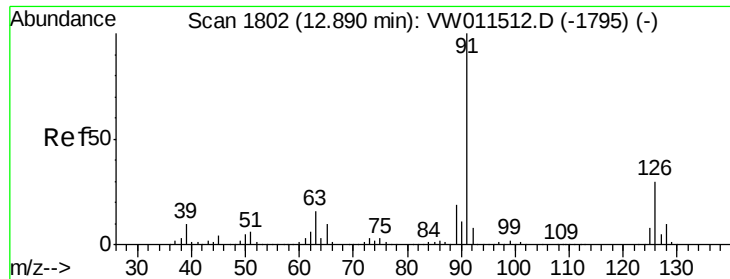
Tgt Ion:	91	Resp:	274273
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





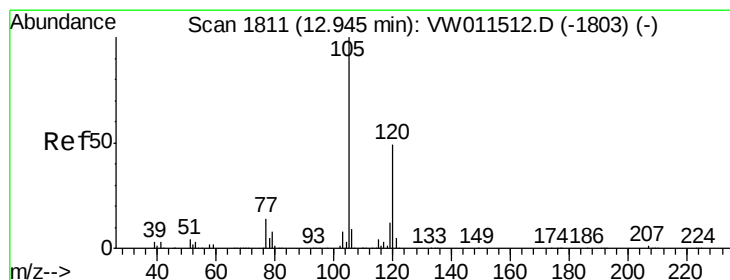
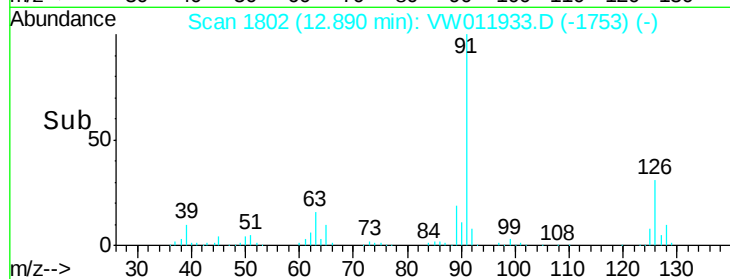
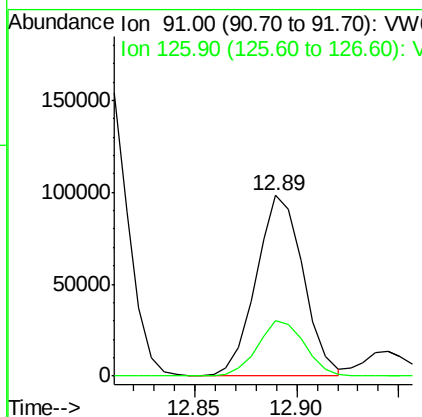
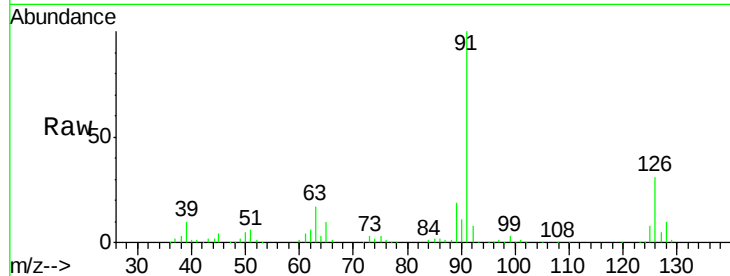
#79
 2-Chlorotoluene
 Concen: 20.758 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

Tot Ion: 91 Resp: 156839
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.7 47.1

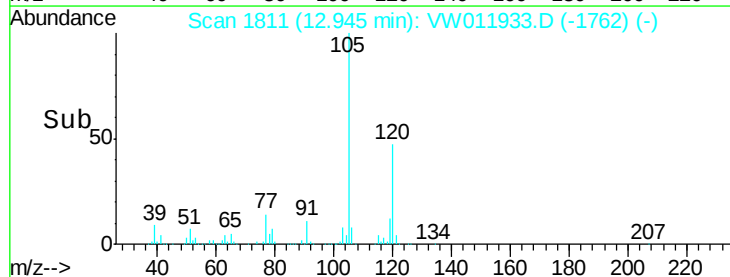
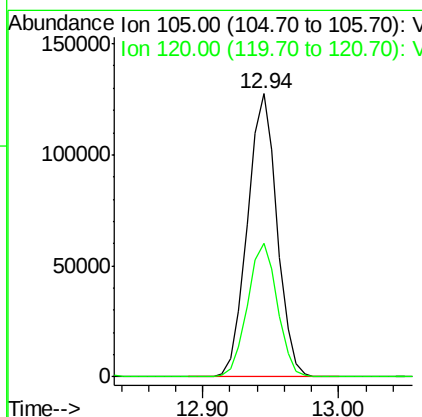
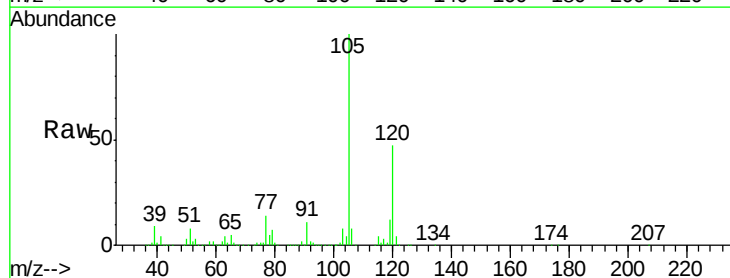
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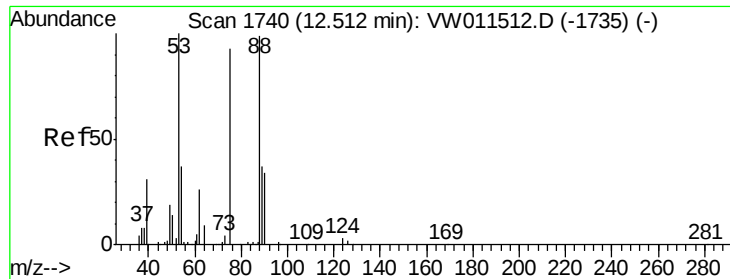
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.477 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion: 105 Resp: 194011
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.3





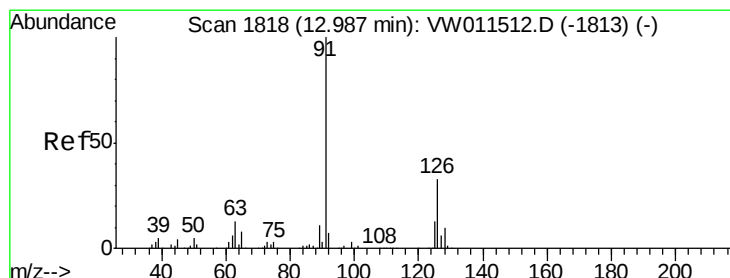
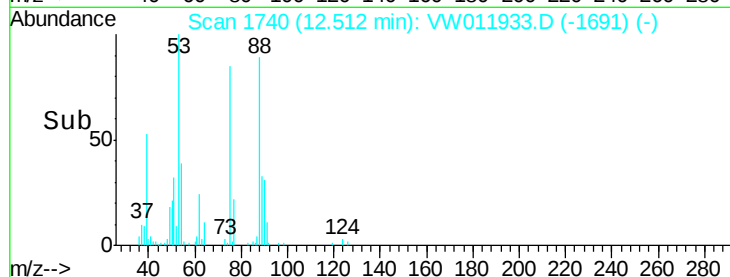
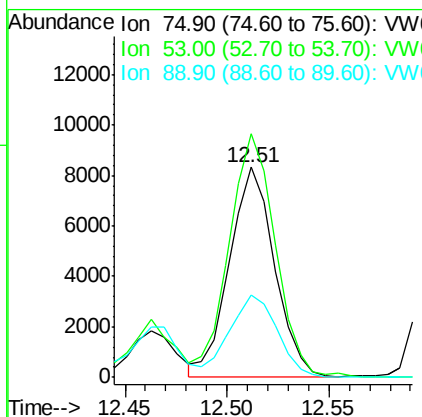
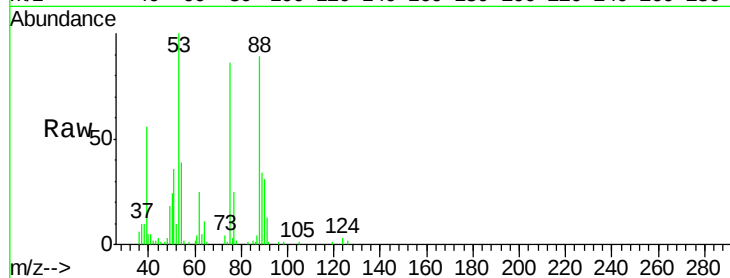
#81
trans-1,4-Dichloro-2-butene
Concen: 19.274 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.1	88.0	132.0
89	41.1	35.3	52.9

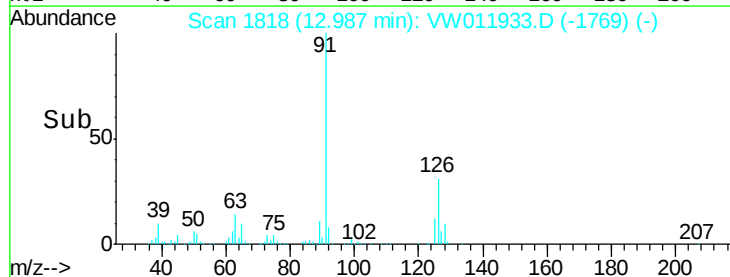
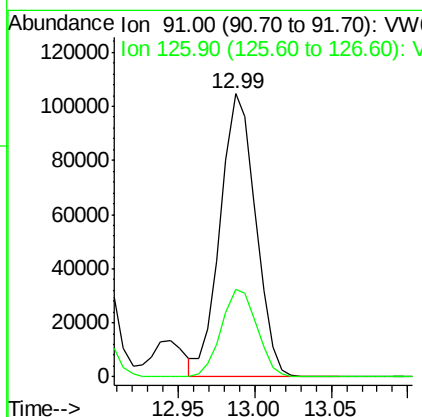
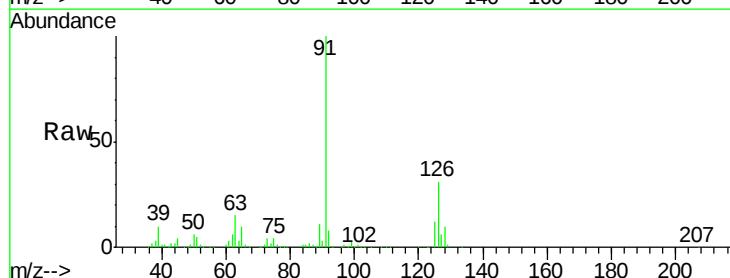
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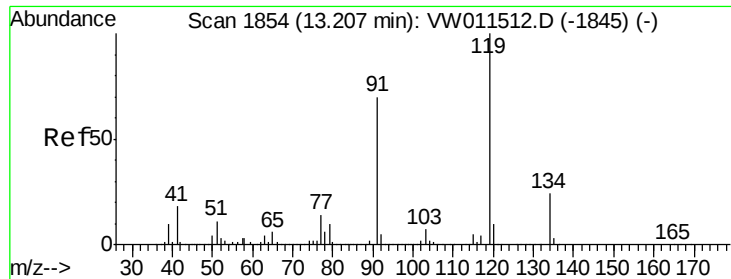
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#82
4-Chlorotoluene
Concen: 21.163 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





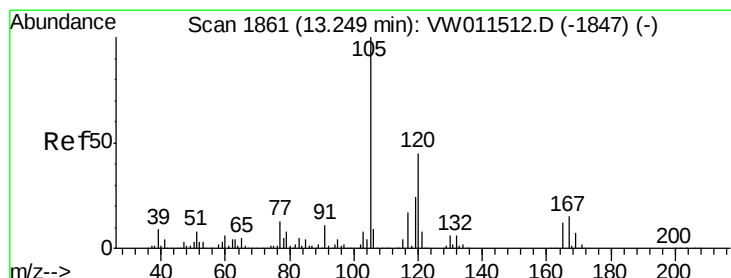
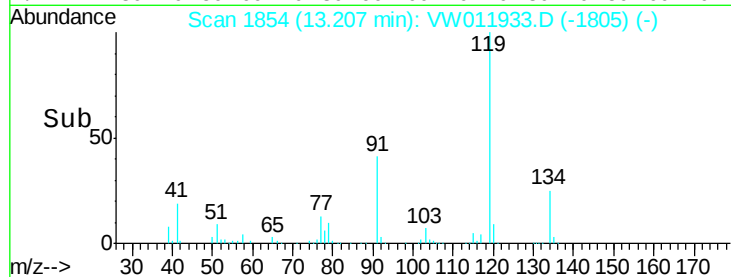
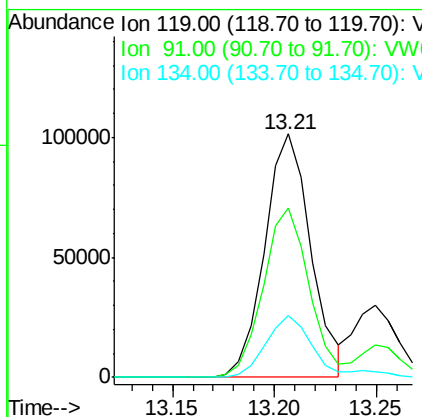
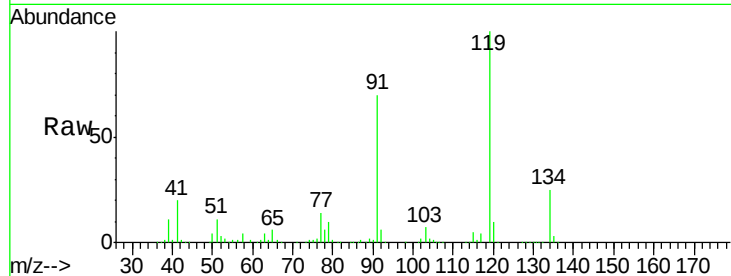
#83
tert-Butylbenzene
Concen: 21.164 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	159881		
91	68.9	34.5	103.6	
134	24.9	12.4	37.4	

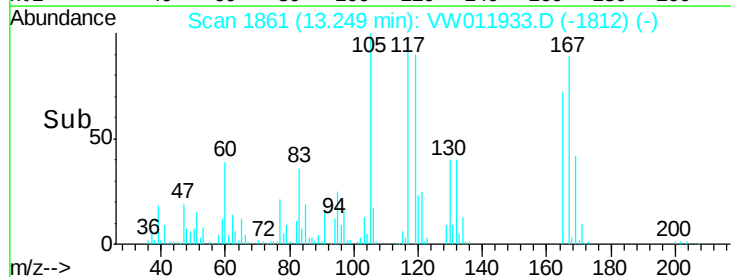
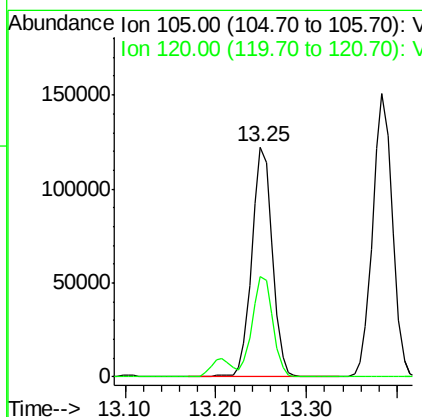
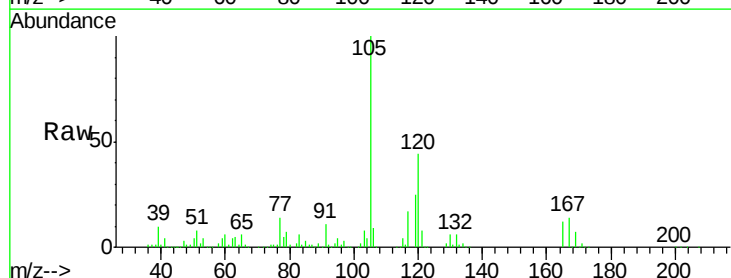
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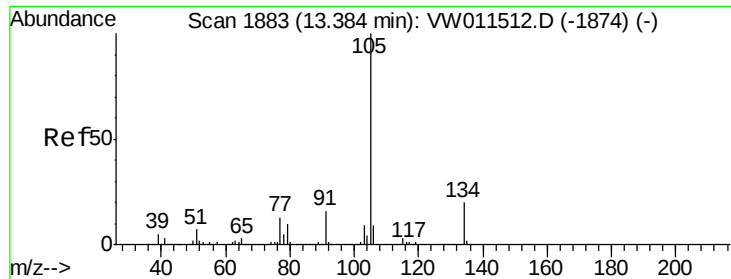
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.084 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	191865		
120	43.8	22.1	66.5	





#85

sec-Butylbenzene

Concen: 21.114 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion:105 Resp: 227590

Ion Ratio Lower Upper

105 100

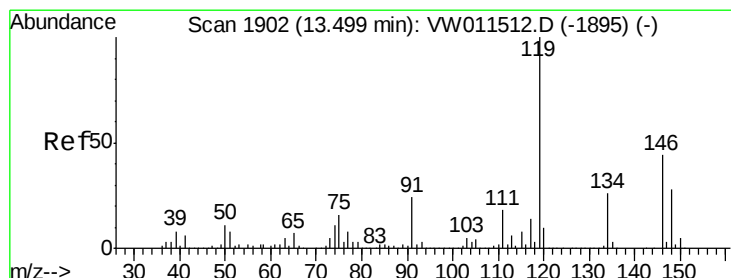
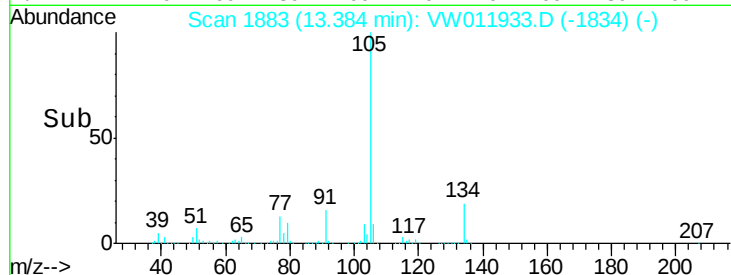
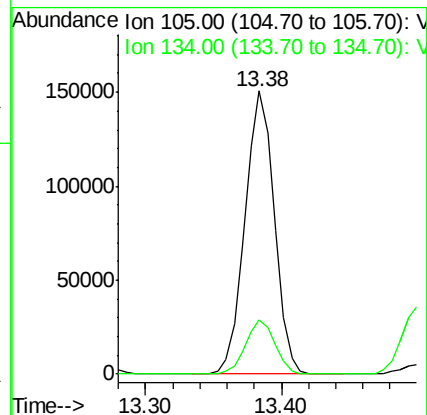
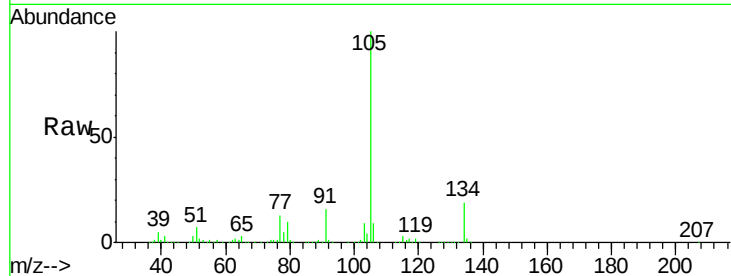
134 19.3 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.106 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

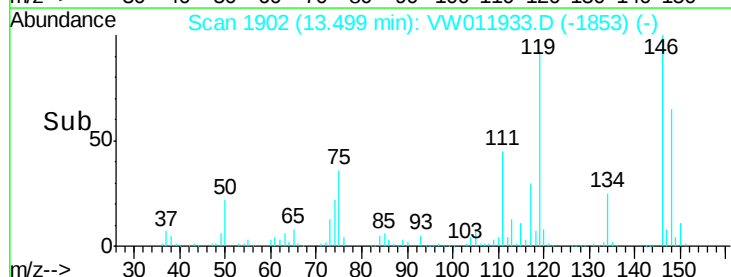
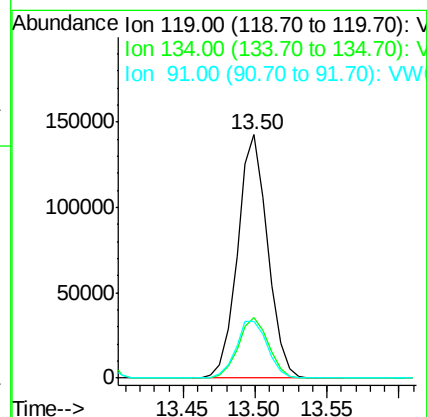
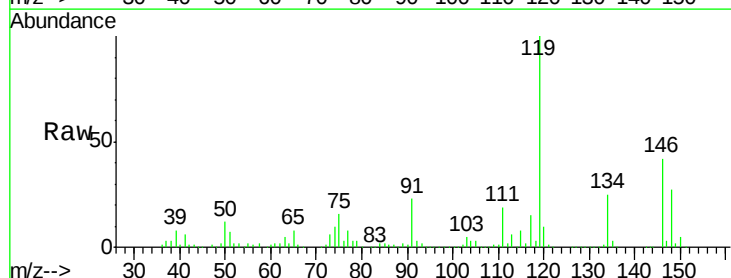
Tgt Ion:119 Resp: 206417

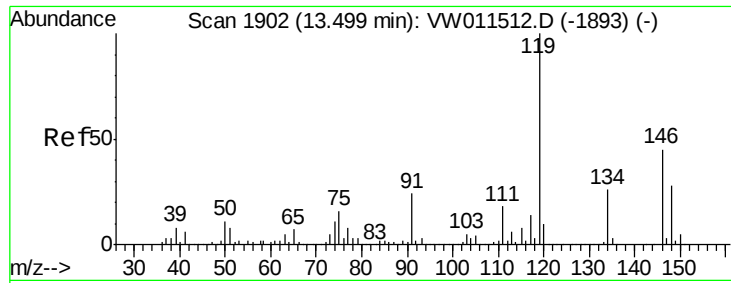
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 24.5 12.1 36.3





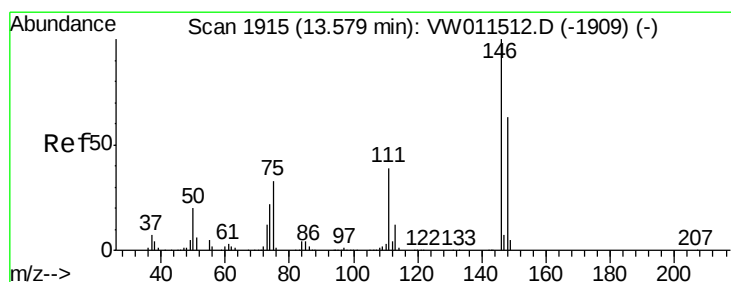
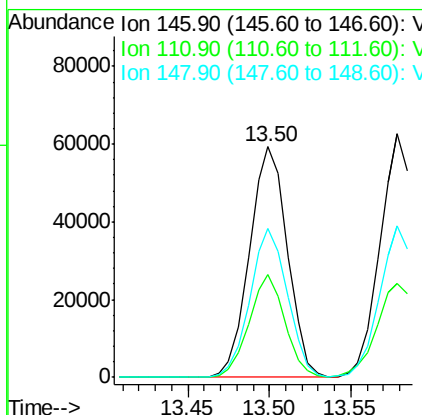
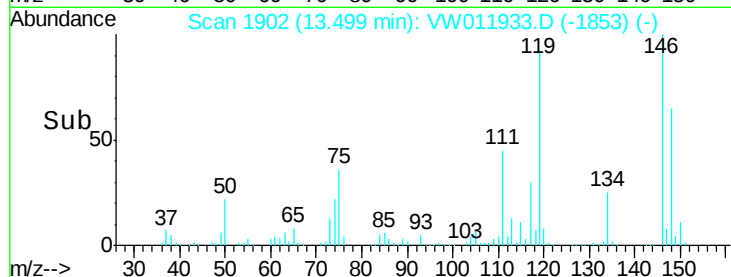
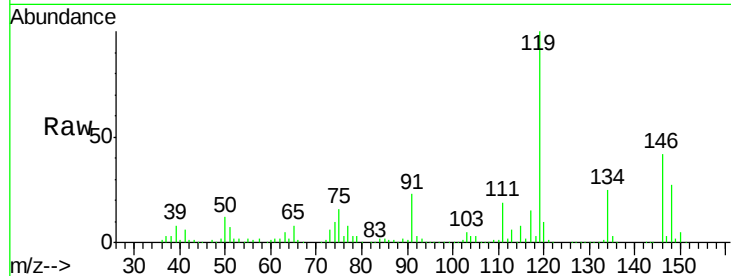
#87
 1,3-Dichlorobenzene
 Concen: 20.542 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.5	61.6
148	63.9	31.8	95.3

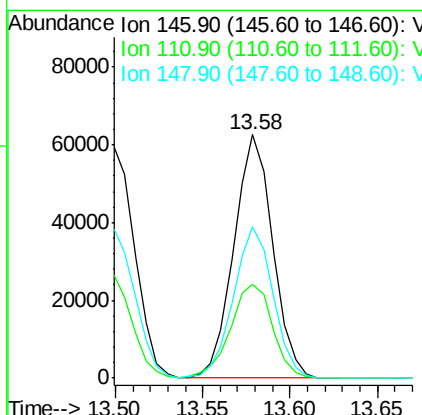
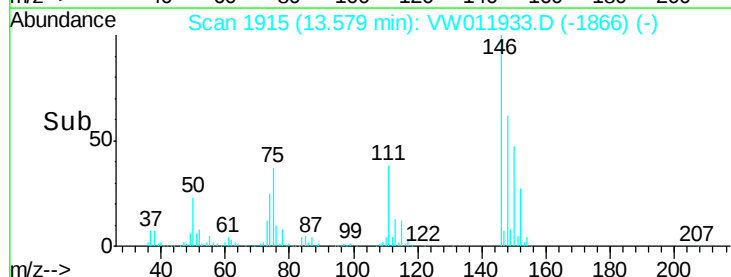
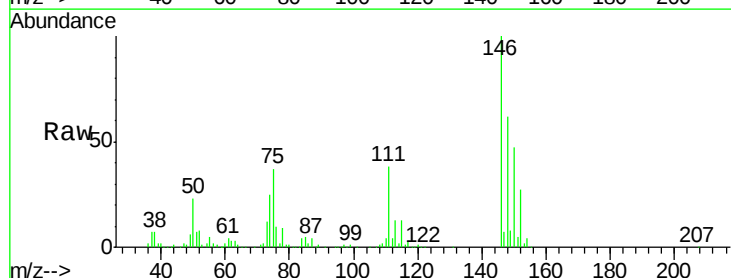
Manual Integrations
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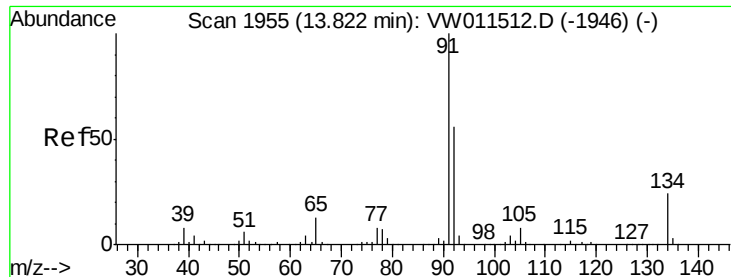
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#88
 1,4-Dichlorobenzene
 Concen: 20.795 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.1	60.2
148	63.2	31.9	95.9





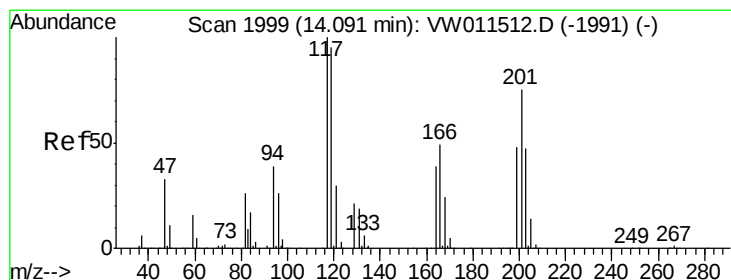
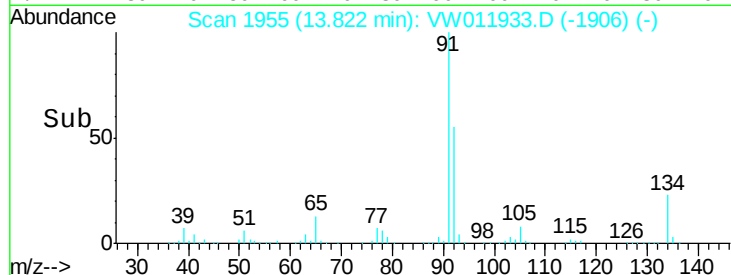
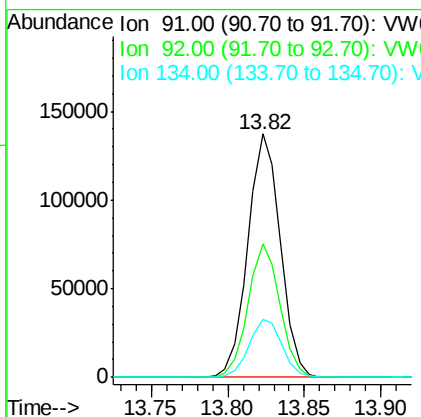
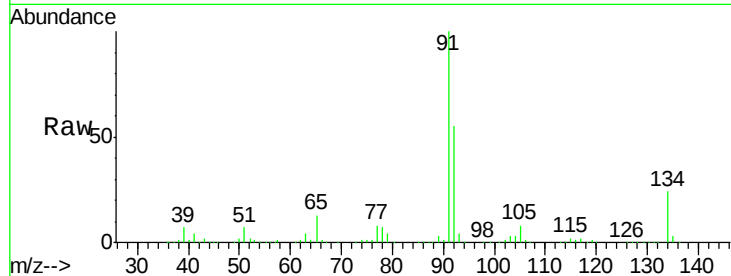
#89
n-Butylbenzene
Concen: 20.785 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	202858		
92	53.8		27.5	82.4
134	24.1		12.2	36.6

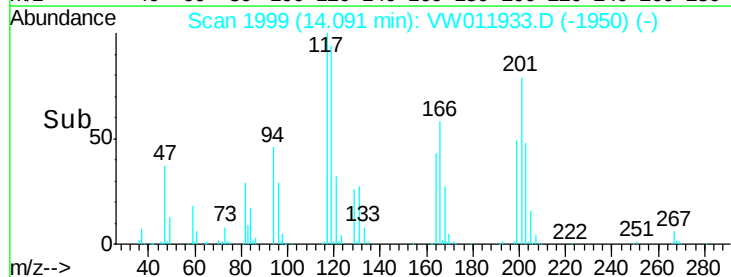
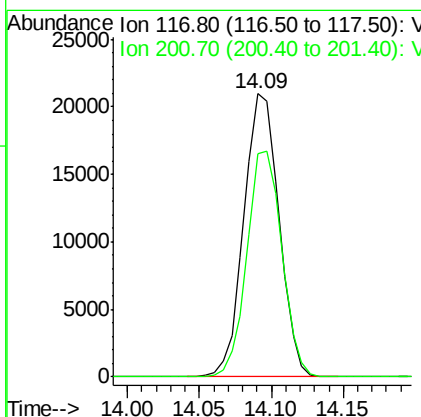
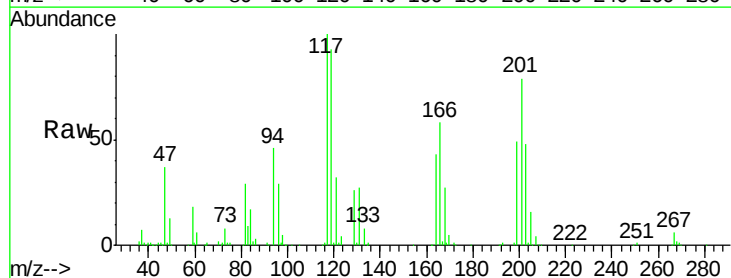
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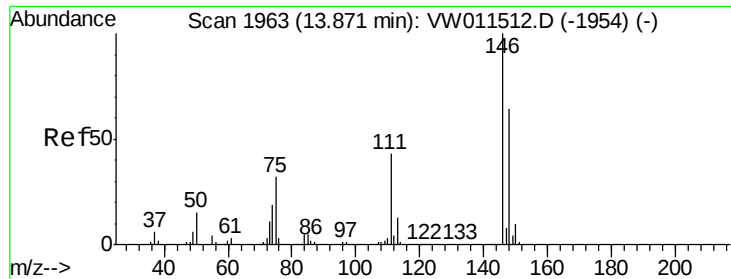
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#90
Hexachloroethane
Concen: 20.459 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011933.D
Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35382		
201	79.1		39.4	118.2





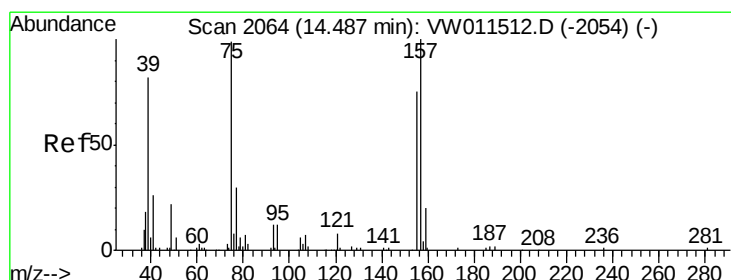
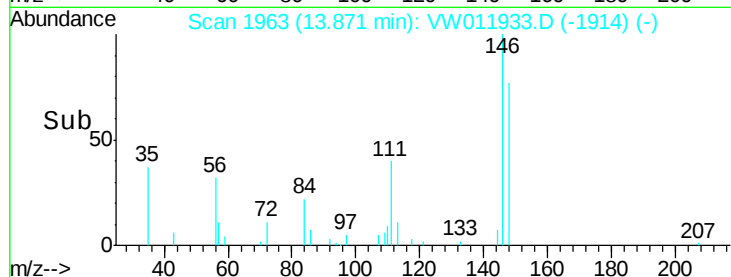
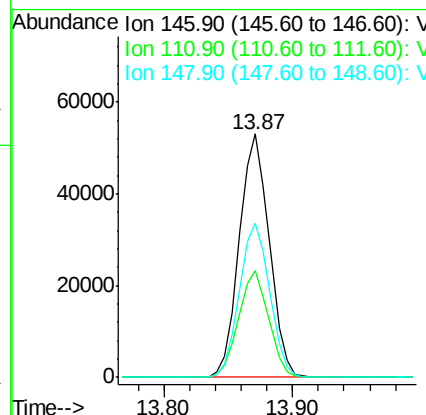
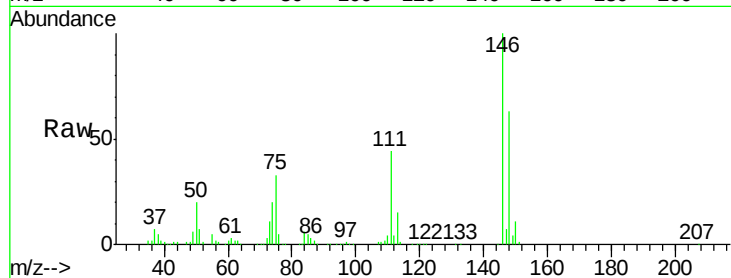
#91
 1,2-Dichlorobenzene
 Concen: 20.723 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	65.0
148	64.1	32.0	96.2

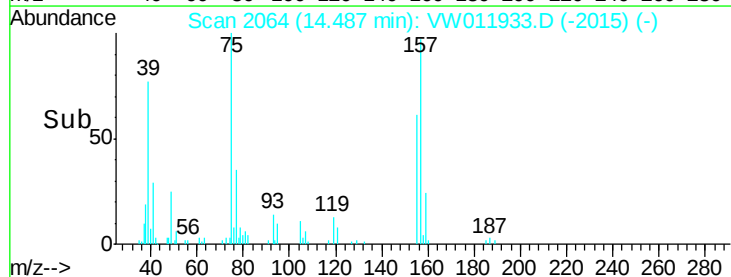
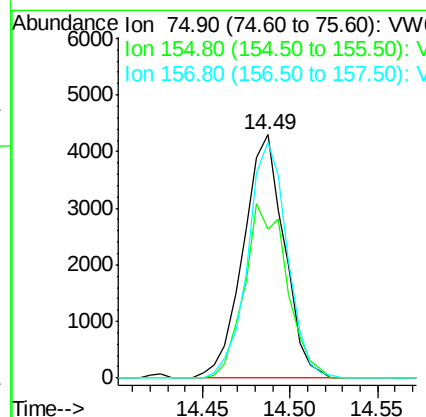
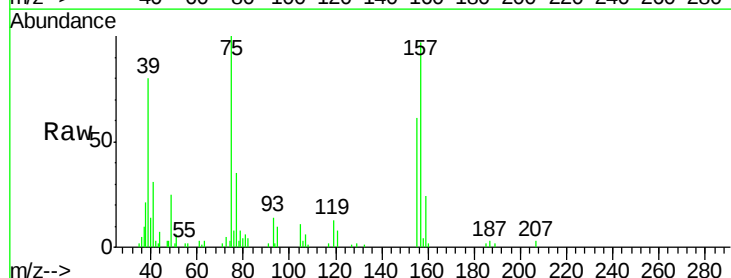
Manual Integrations
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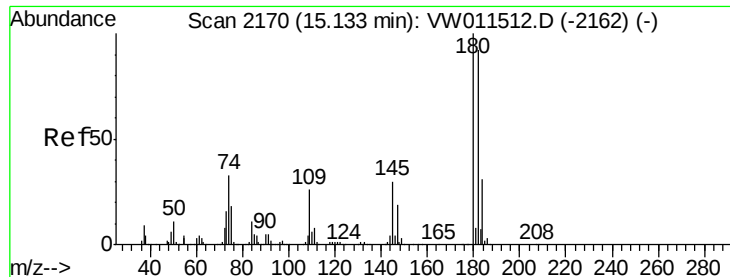
MMDadoda
 8/16/2019 8:27:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.268 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	38.2	114.6
157	92.7	48.9	146.7





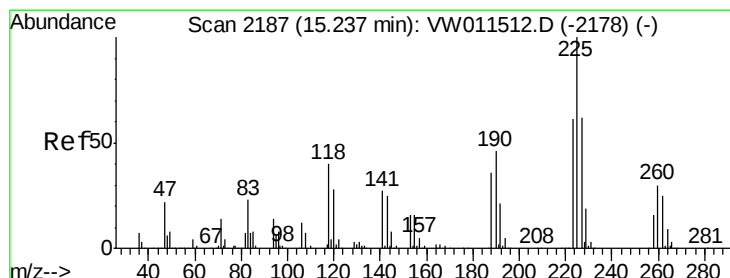
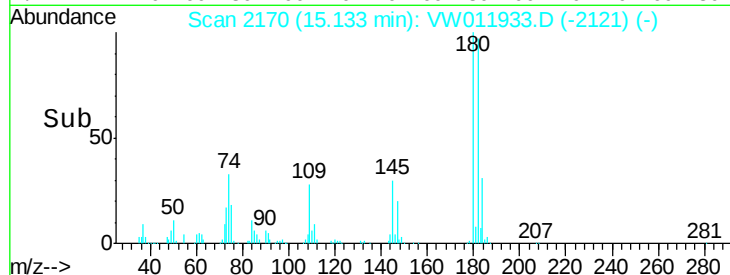
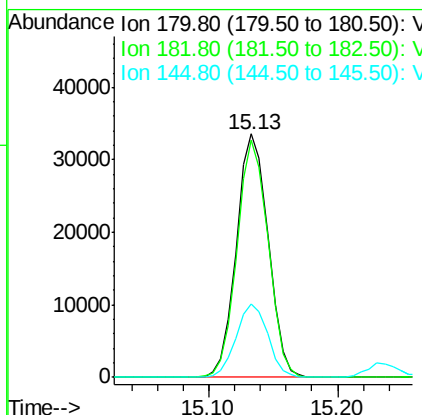
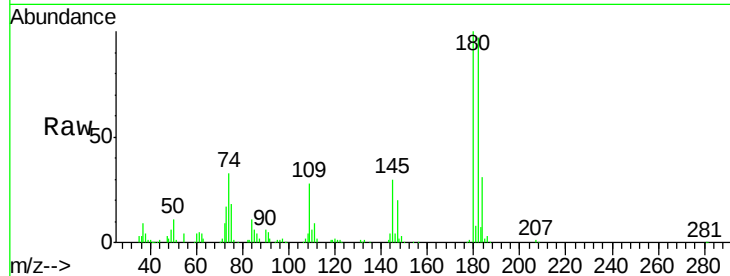
#93
 1,2,4-Trichlorobenzene
 Concen: 19.641 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	57180		
182	95.6	47.4	142.2	
145	30.2	15.4	46.1	

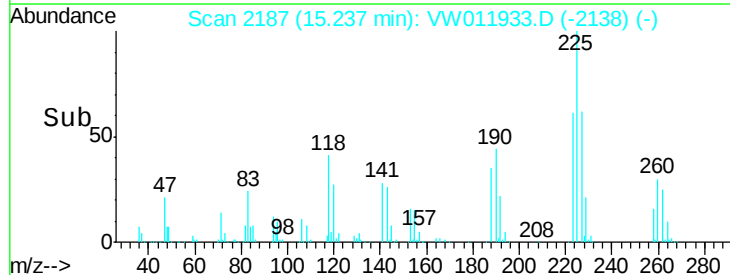
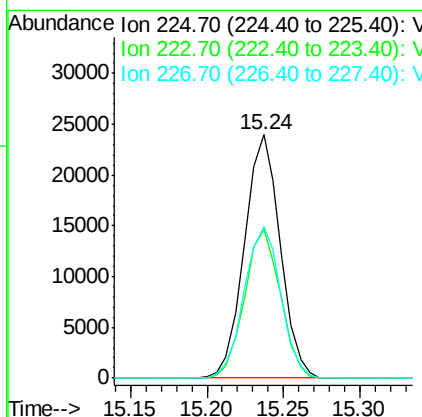
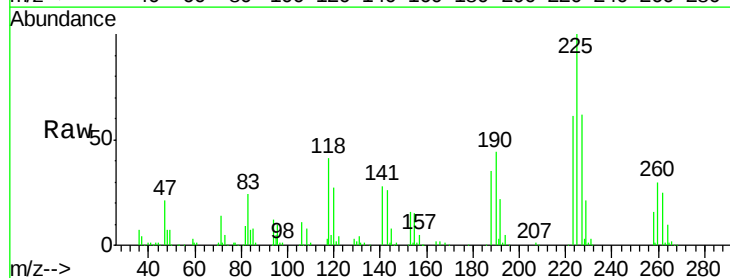
Manual Integrations
 APPROVED

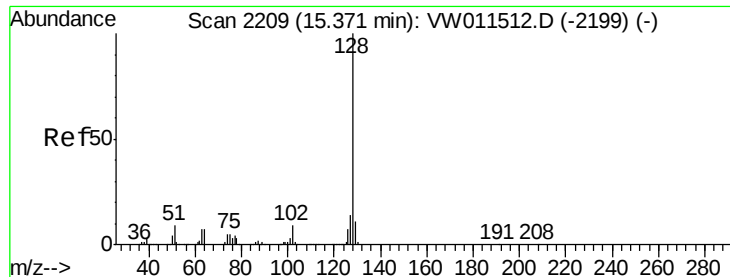
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 8/16/2019 8:27:17 AM



#94
 Hexachlorobutadiene
 Concen: 21.443 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011933.D
 Acq: 15 Aug 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38931		
223	61.4	30.8	92.3	
227	63.7	31.6	94.7	





#95

Naphthalene

Concen: 18.642 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Instrument :

MSVOA_W

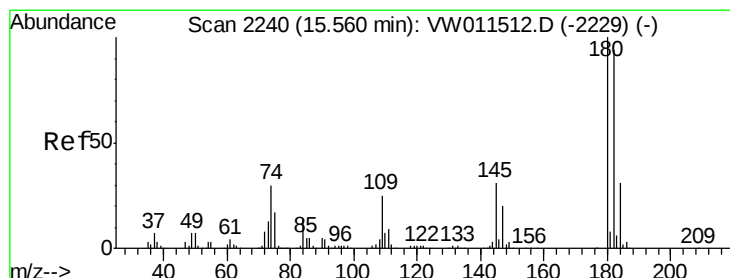
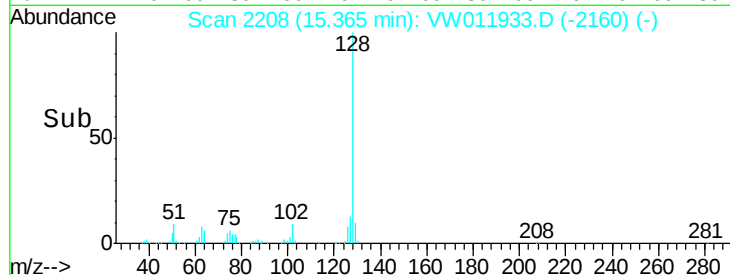
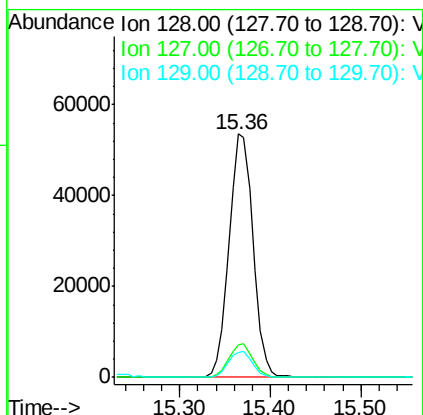
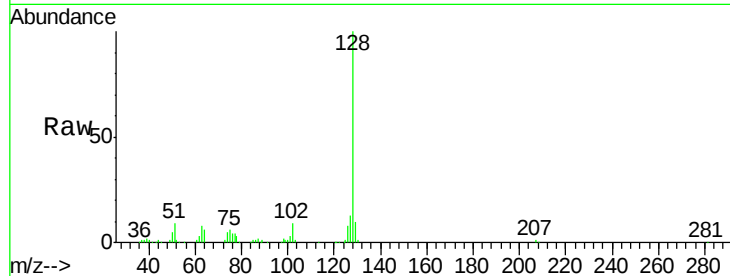
ClientSampleId :

VW0816SBSD01

Tot Ion:	128	Resp:	98606
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	16.0
129	10.7	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.782 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011933.D

Acq: 15 Aug 2019 17:26

Tgt Ion:	180	Resp:	50483
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.2
145	32.3	15.9	47.7

