

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012515.D
 Acq On : 02 Sep 2019 23:21
 Operator : SY/VA
 Sample : VW0902SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:56:03 AM

Quant Time: Sep 03 08:06:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	189642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	308197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122918	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.88	113	99050	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	10.32	98	395167	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.62	95	142884	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	17644	15.110	ug/l	97
3) Chloromethane	2.21	50	32231	17.816	ug/l	97
4) Vinyl Chloride	2.36	62	37391	16.886	ug/l	98
5) Bromomethane	2.76	94	19795	17.652	ug/l	92
6) Chloroethane	2.92	64	22223	17.791	ug/l	96
7) Trichlorofluoromethane	3.25	101	19328	17.384	ug/l	93
8) Diethyl Ether	3.68	74	21130	20.022	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37548	19.868	ug/l	97
10) Methyl Iodide	4.27	142	49630	19.409	ug/l	98
11) Tert butyl alcohol	5.18	59	16927	124.768	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	36497	19.187	ug/l	93
13) Acrolein	3.89	56	7751	60.694	ug/l	90
14) Allyl chloride	4.67	41	77345	19.019	ug/l	100
15) Acrylonitrile	5.37	53	56225	107.485	ug/l	98
16) Acetone	4.12	43	49188	85.356	ug/l	96
17) Carbon Disulfide	4.38	76	87922	15.294	ug/l	97
18) Methyl Acetate	4.67	43	42169	29.544	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	72571	23.591	ug/l	95
20) Methylene Chloride	4.92	84	43270	19.862	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	38948	19.094	ug/l	90
22) Diisopropyl ether	6.31	45	157824	20.938	ug/l	97
23) Vinyl Acetate	6.25	43	444372	95.792	ug/l	99
24) 1,1-Dichloroethane	6.21	63	83749	20.405	ug/l	100
25) 2-Butanone	7.17	43	78438	100.166	ug/l	99
26) 2,2-Dichloropropane	7.16	77	44336	19.085	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	44994	20.645	ug/l	100
28) Bromochloromethane	7.51	49	37211	20.802	ug/l #	92
29) Tetrahydrofuran	7.53	42	52162	111.027	ug/l	98
30) Chloroform	7.67	83	80158	21.347	ug/l	100
31) Cyclohexane	7.95	56	72386	17.826	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	63020	21.216	ug/l	97
36) 1,1-Dichloropropene	8.08	75	60689	19.055	ug/l	99
37) Ethyl Acetate	7.25	43	36936	21.164	ug/l	100
38) Carbon Tetrachloride	8.07	117	55307	20.064	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	66966	18.716	ug/l	96
40) Benzene	8.32	78	173356	19.934	ug/l	97
41) Methacrylonitrile	7.48	41	24706	24.086	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	56860	20.862	ug/l	99
43) Isopropyl Acetate	8.42	43	67013	20.729	ug/l	98
44) Trichloroethene	9.09	130	43127	20.400	ug/l	91
45) 1,2-Dichloropropane	9.37	63	48096	20.550	ug/l	97
46) Dibromomethane	9.46	93	21616	20.758	ug/l	98
47) Bromodichloromethane	9.64	83	58595	21.142	ug/l	95
48) Methyl methacrylate	9.43	41	32412	21.065	ug/l	95
49) 1,4-Dioxane	9.46	88	7154	448.755	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	176161	107.136	ug/l	98
52) Toluene	10.38	92	106815	20.446	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	57501	20.368	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	68438	20.077	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	32497	22.056	ug/l	97
56) Ethyl methacrylate	10.65	69	46697	21.777	ug/l	98
57) 1,3-Dichloropropane	10.93	76	58830	21.129	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	117934	107.160	ug/l	100
59) 2-Hexanone	10.97	43	118530	101.879	ug/l	99
60) Dibromochloromethane	11.13	129	34923	21.280	ug/l	99
61) 1,2-Dibromoethane	11.23	107	29978	21.840	ug/l	98
64) Tetrachloroethene	10.86	164	37812	22.201	ug/l	97
65) Chlorobenzene	11.66	112	109067	21.085	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	39359	21.811	ug/l	99
67) Ethyl Benzene	11.73	91	209757	21.051	ug/l	100
68) m/p-Xylenes	11.84	106	150116	41.823	ug/l	100
69) o-Xylene	12.16	106	71966	21.663	ug/l	99
70) Styrene	12.18	104	124190	21.598	ug/l	99
71) Bromoform	12.35	173	20250	22.523	ug/l #	99
73) Isopropylbenzene	12.46	105	202730	20.688	ug/l	99
74) N-amyl acetate	12.27	43	58252	19.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	38562	21.465	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	25819m	20.271	ug/l	
77) Bromobenzene	12.74	156	45478	21.452	ug/l	94
78) n-propylbenzene	12.80	91	241259	20.167	ug/l	99
79) 2-Chlorotoluene	12.89	91	139385	20.522	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	169311	20.677	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11116	19.135	ug/l	94
82) 4-Chlorotoluene	12.99	91	144543	20.324	ug/l	99
83) tert-Butylbenzene	13.21	119	147190	21.220	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	169742	20.636	ug/l	99
85) sec-Butylbenzene	13.38	105	204788	20.608	ug/l	99
86) p-Isopropyltoluene	13.50	119	183124	20.634	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	85674	20.661	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	85889	20.860	ug/l	99
89) n-Butylbenzene	13.82	91	172473	19.543	ug/l	99
90) Hexachloroethane	14.09	117	31307	20.107	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	78061	21.459	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6654	21.970	ug/l	97

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ClientSampleId :
VW0902SBSD02

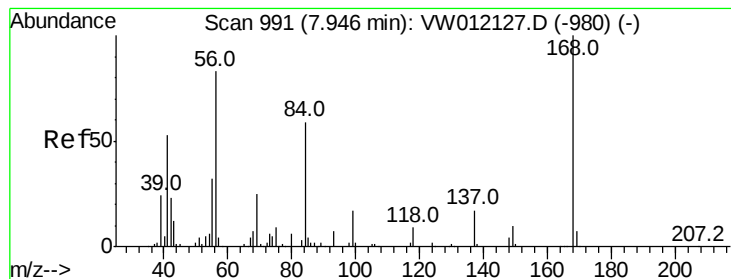
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	52974	21.072	ug/l	99
94) Hexachlorobutadiene	15.24	225	35843	21.593	ug/l	99
95) Naphthalene	15.36	128	98327	22.531	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	47950	21.862	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleID :

VW0902SBSD02

Tot Ion:168 Resp: 189642

Ion Ratio Lower Upper

168 100

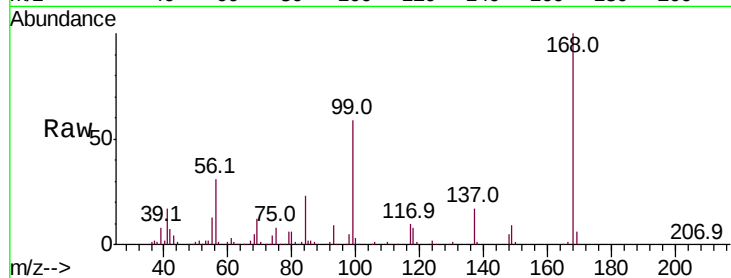
99 59.1 49.2 73.8

Manual Integrations

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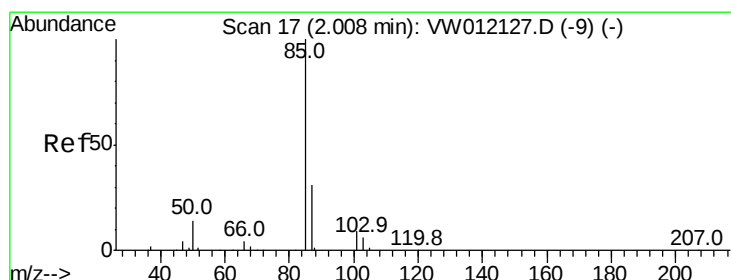
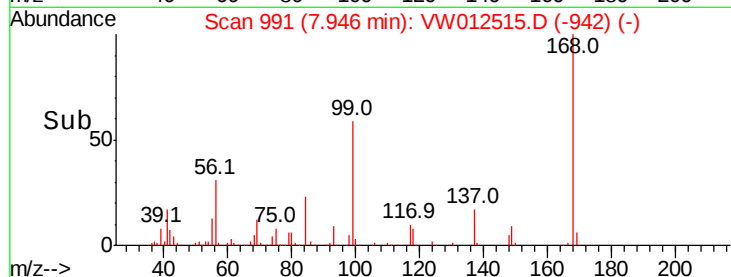
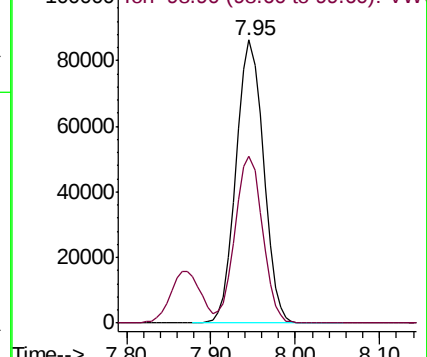
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 15.110 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012515.D

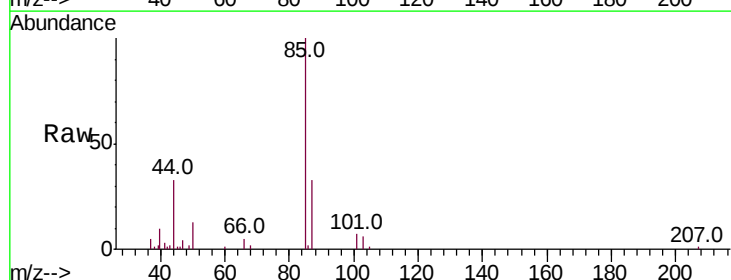
Acq: 02 Sep 2019 23:21

Tgt Ion: 85 Resp: 17644

Ion Ratio Lower Upper

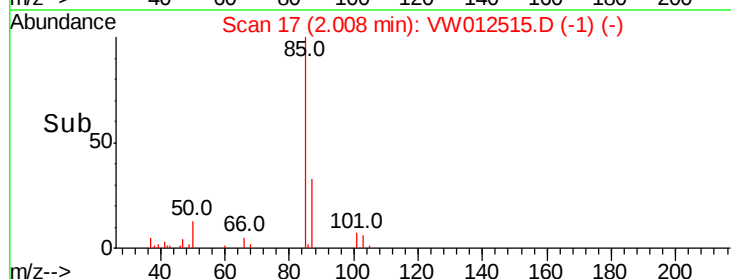
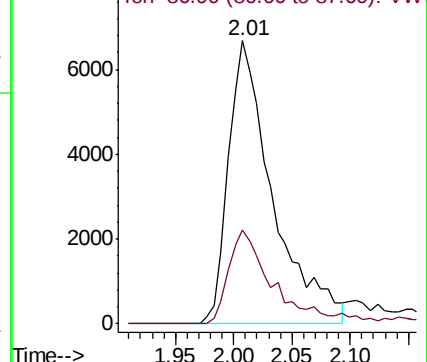
85 100

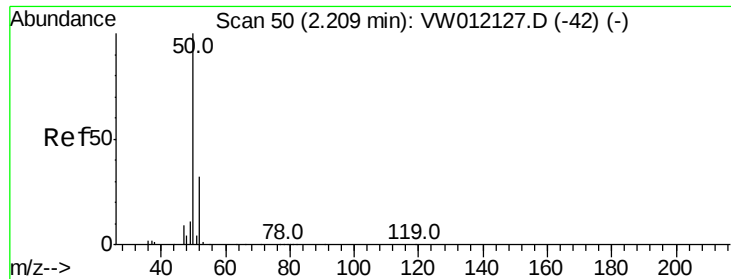
87 33.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.816 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD02

Tot Ion: 50 Resp: 32231

Ion Ratio Lower Upper

50 100

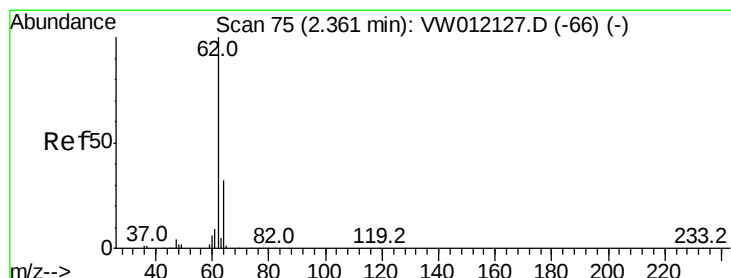
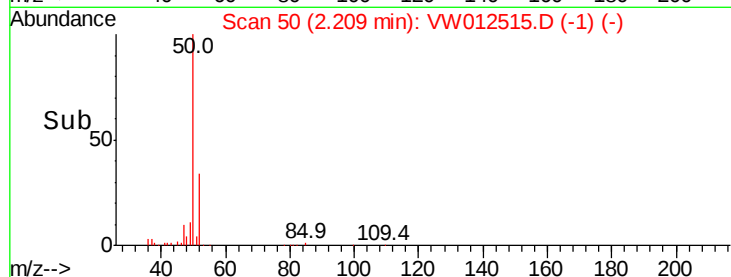
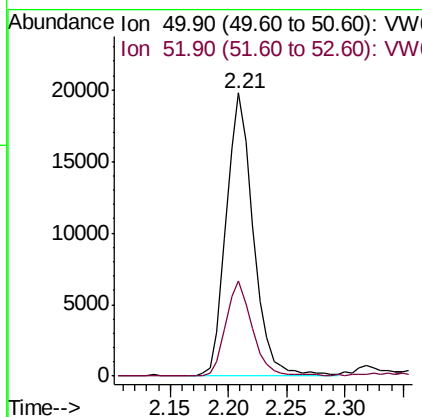
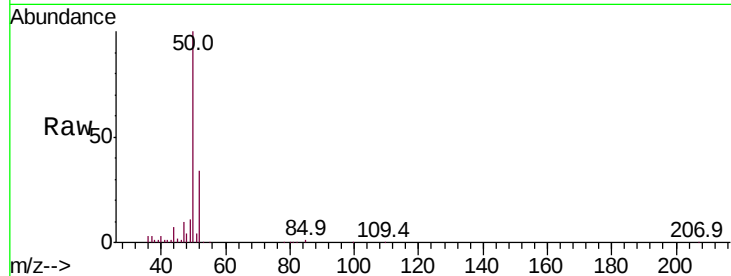
52 33.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.886 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012515.D

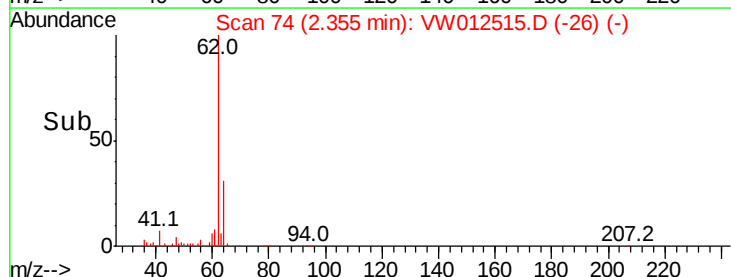
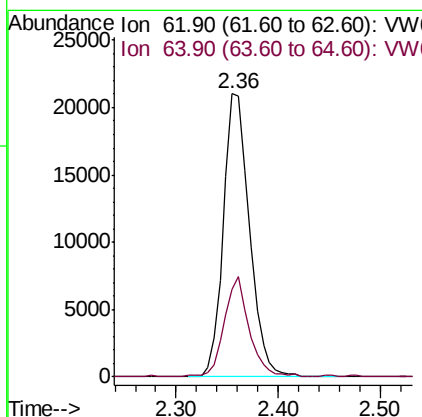
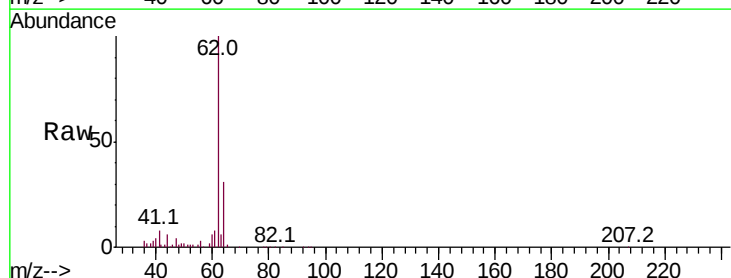
Acq: 02 Sep 2019 23:21

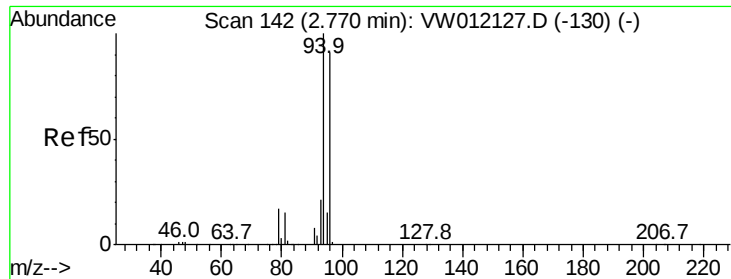
Tgt Ion: 62 Resp: 37391

Ion Ratio Lower Upper

62 100

64 30.4 25.3 37.9





#5

Bromomethane

Concen: 17.652 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

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ClientSampleId :

VW0902SBSD02

Tot Ion: 94 Resp: 19795

Ion Ratio Lower Upper

94 100

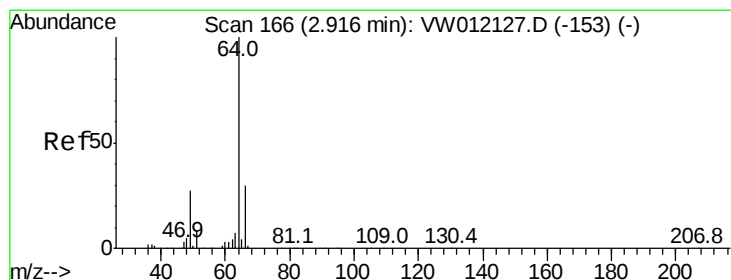
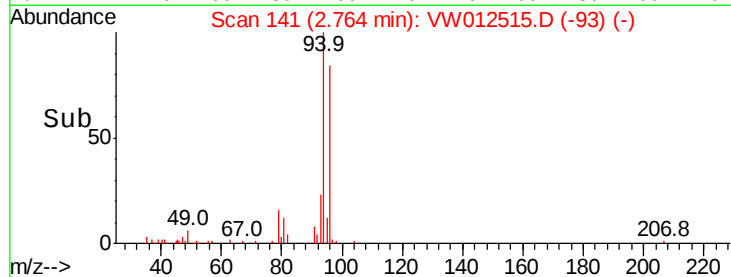
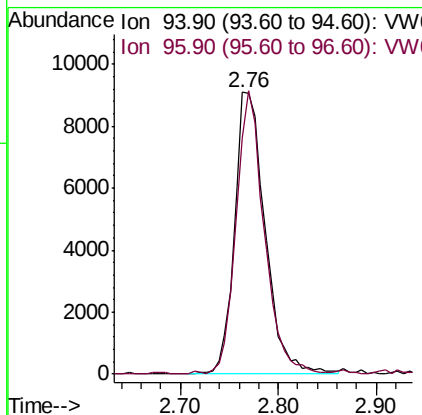
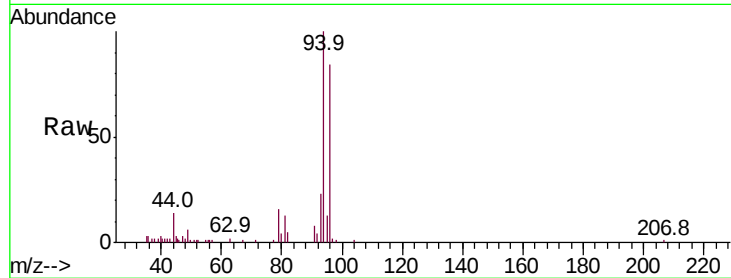
96 83.9 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.791 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012515.D

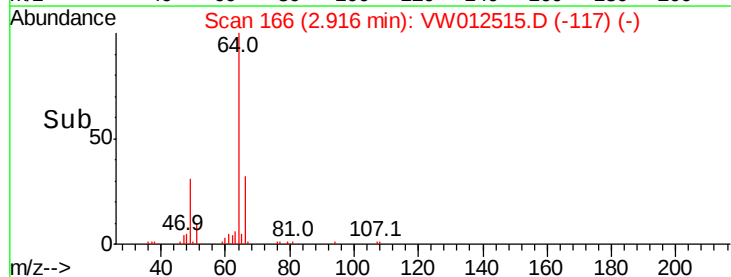
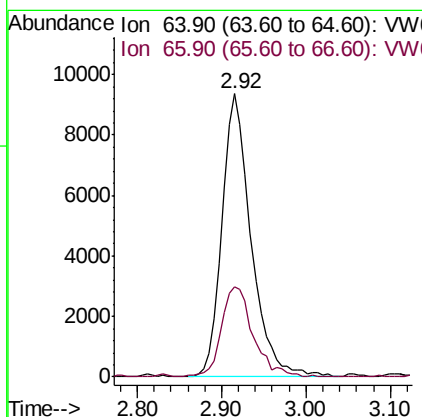
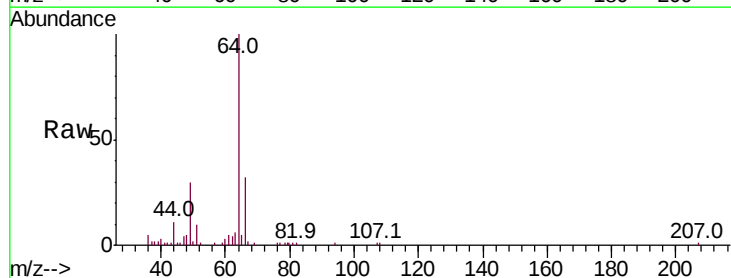
Acq: 02 Sep 2019 23:21

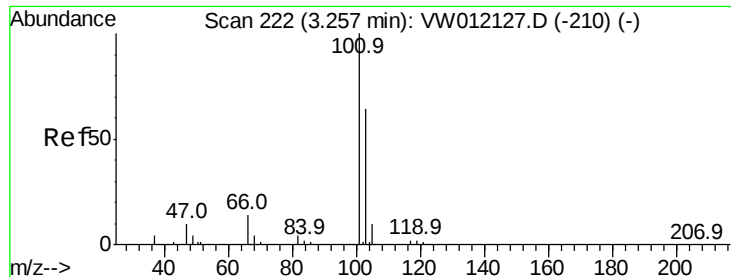
Tgt Ion: 64 Resp: 22223

Ion Ratio Lower Upper

64 100

66 31.8 23.8 35.8





#7

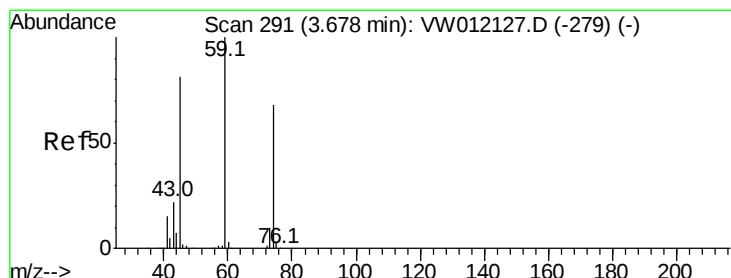
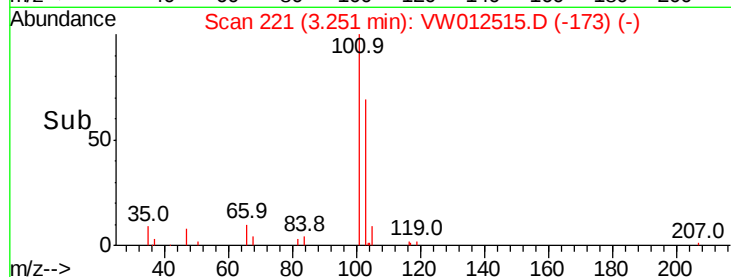
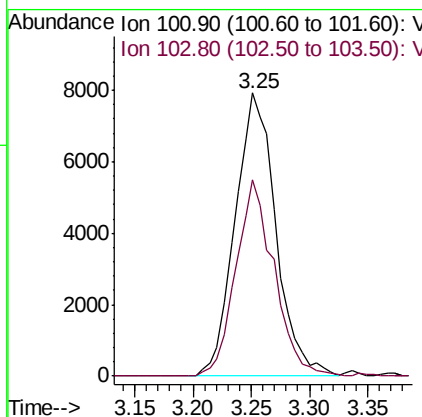
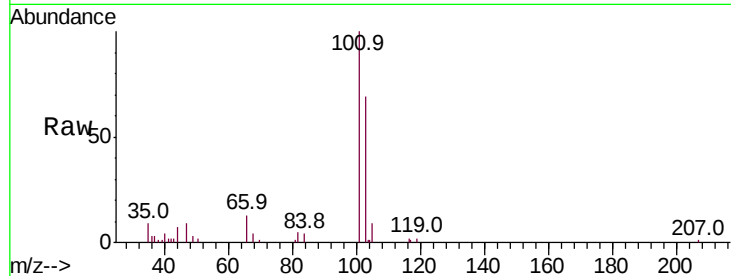
Trichlorofluoromethane
 Concen: 17.384 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

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 VW0902SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	19328		
103	69.2	51.2	76.8		

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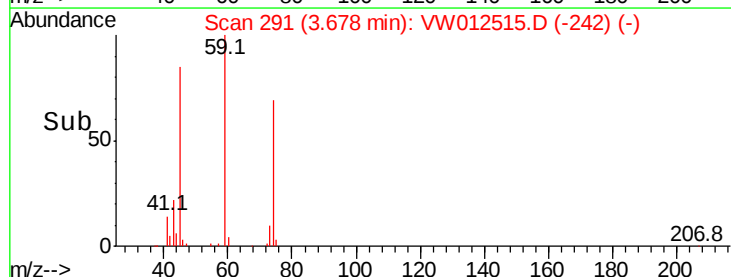
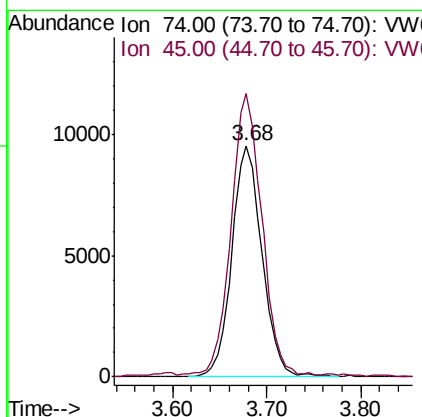
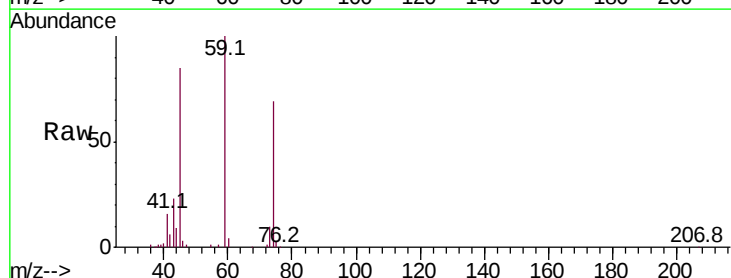
MMDadoda
 9/3/2019 10:56:03 AM

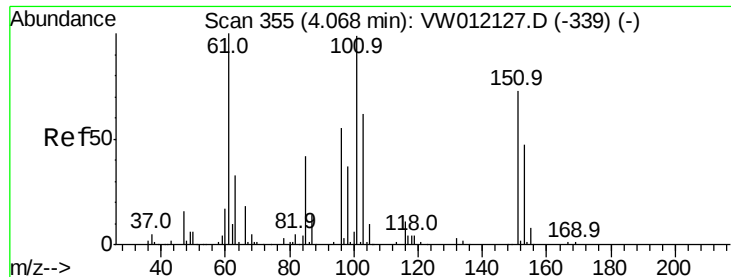


#8

Diethyl Ether
 Concen: 20.022 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	21130		
45	125.2	59.2	177.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.868 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

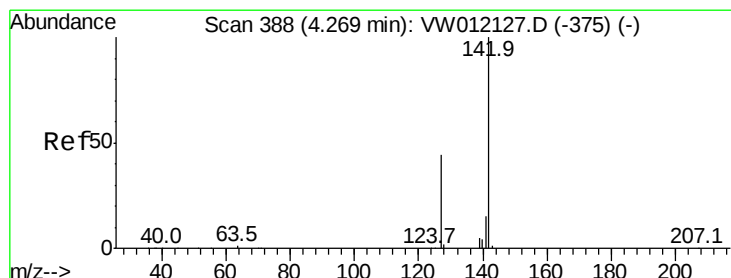
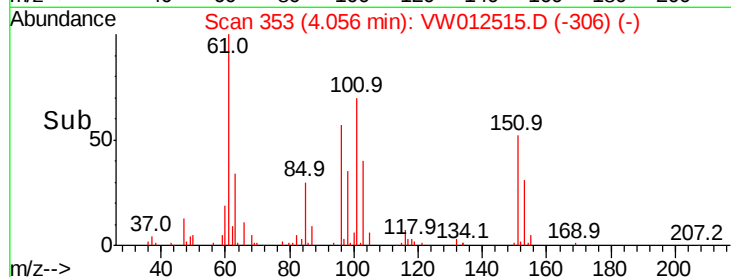
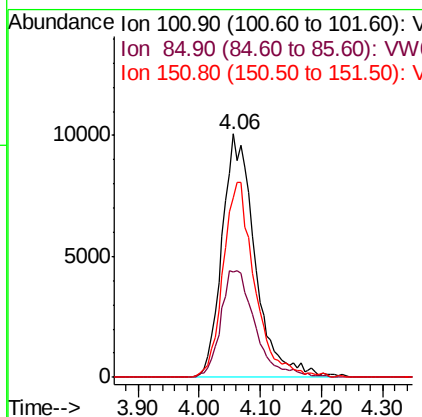
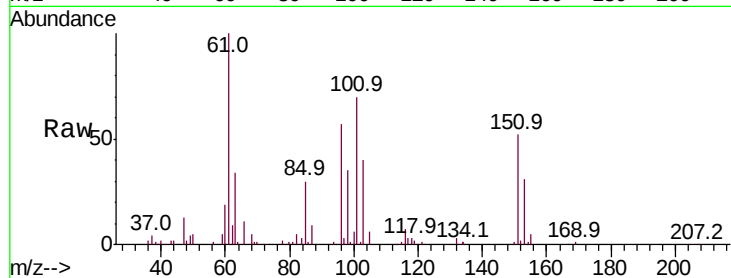
ClientSampleId :

VW0902SBSD02

Tot Ion:	101	Resp:	37548
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.8	53.6
151	76.2	58.6	87.8

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#10

Methyl Iodide

Concen: 19.409 ug/l

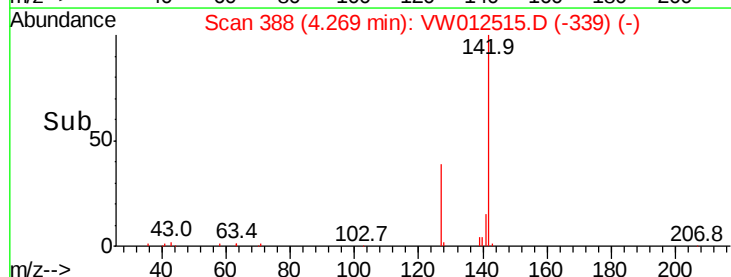
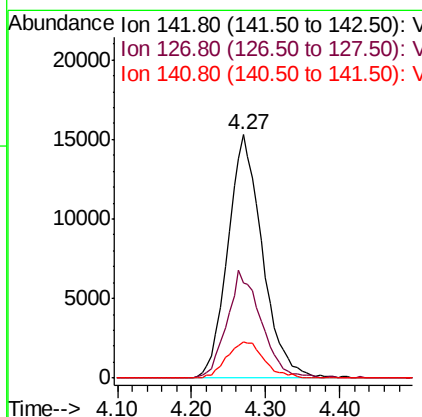
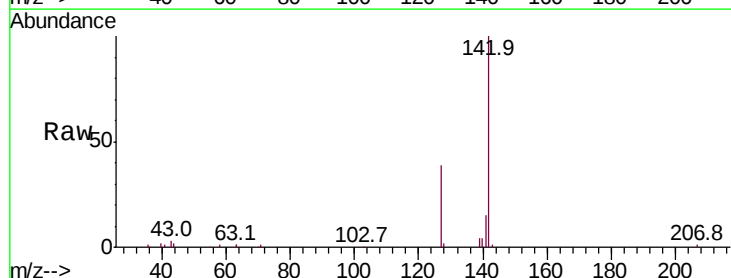
RT: 4.27 min Scan# 388

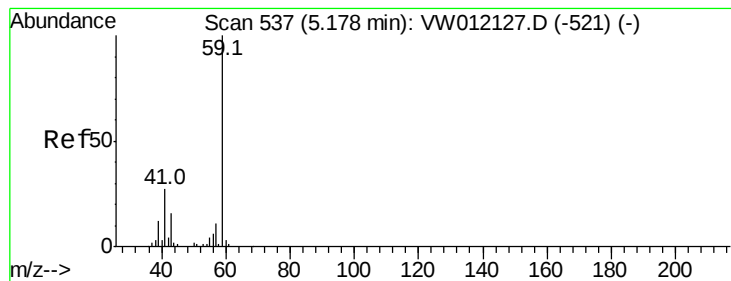
Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Tgt Ion:	142	Resp:	49630
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.5	53.3
141	16.1	11.8	17.8





#11

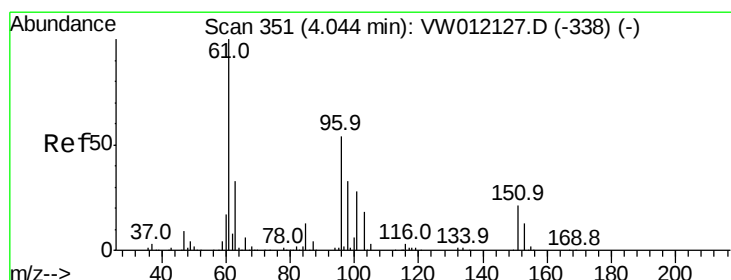
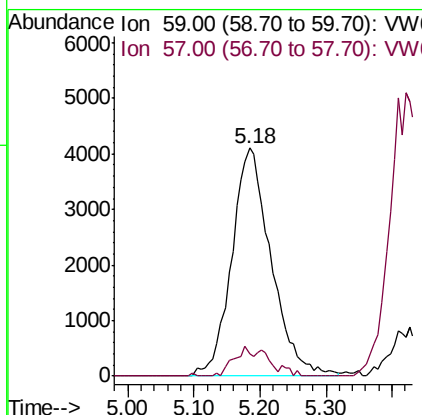
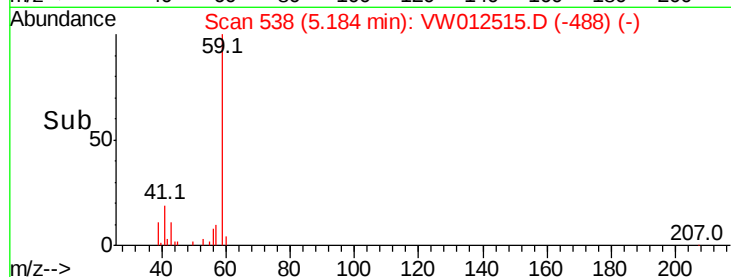
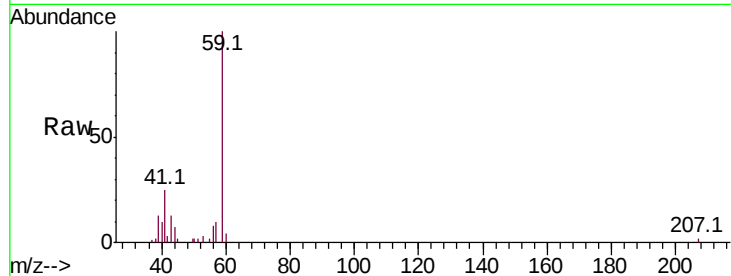
Tert butyl alcohol
Concen: 124.768 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	59	57	Ratio	100	6.0	Resp:	16927	Lower	9.0	Upper	13.4#
Ion	59	57	Ratio	100	6.0	Resp:	16927	Lower	9.0	Upper	13.4#

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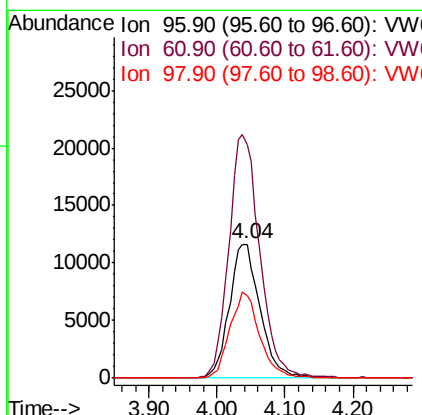
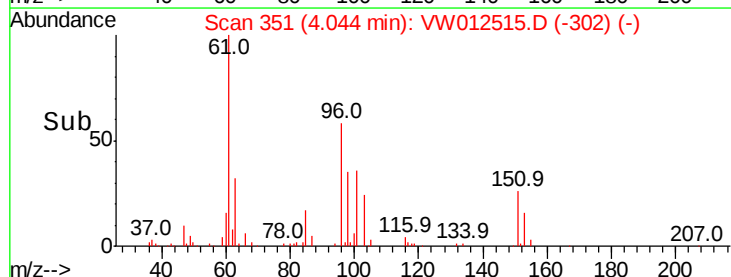
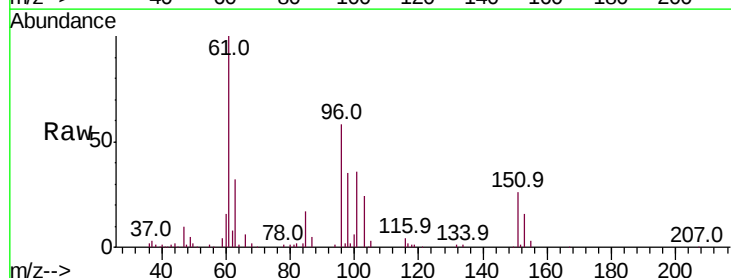
MMDadoda
9/3/2019 10:56:03 AM

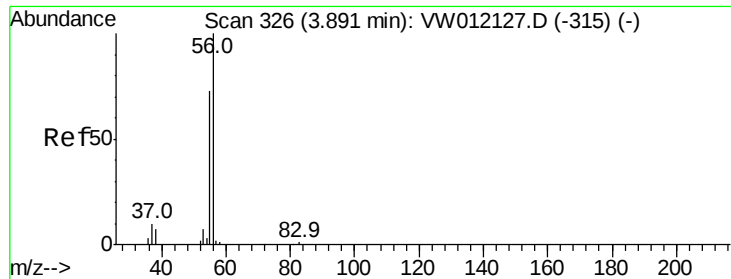


#12

1,1-Dichloroethene
Concen: 19.187 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	96	61	98	Ratio	100	173.9	61.2	Resp:	36497	Lower	149.1	49.4	Upper	223.7	74.2
Ion	96	61	98	Ratio	100	173.9	61.2	Resp:	36497	Lower	149.1	49.4	Upper	223.7	74.2





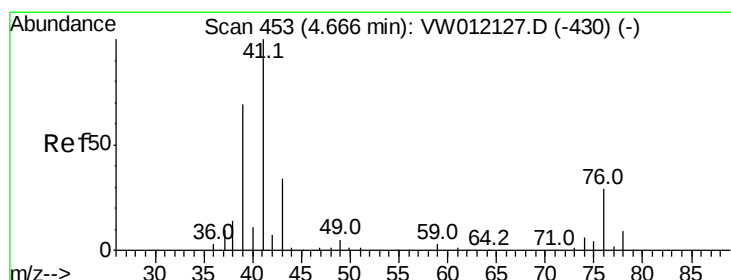
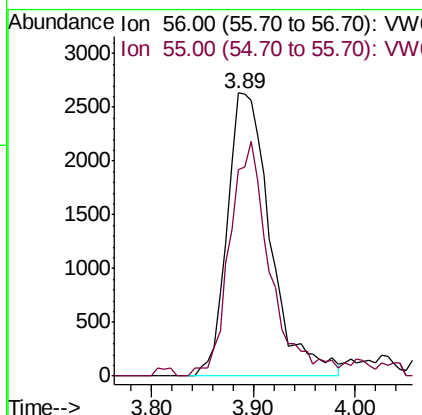
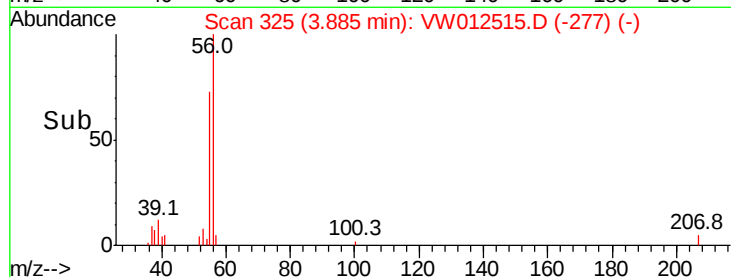
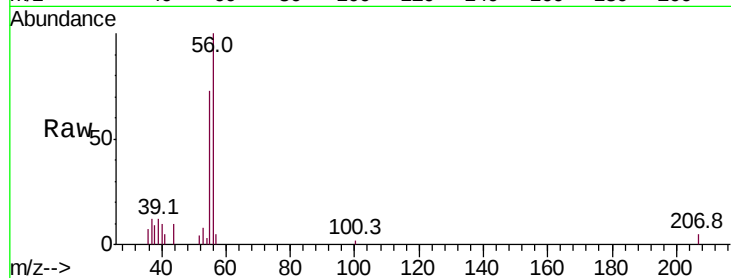
#13
Acrolein
Concen: 60.694 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.6	55.8	83.8

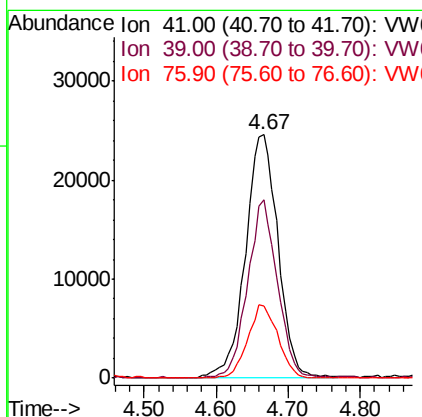
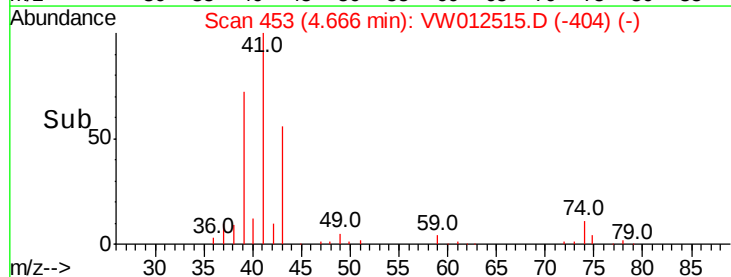
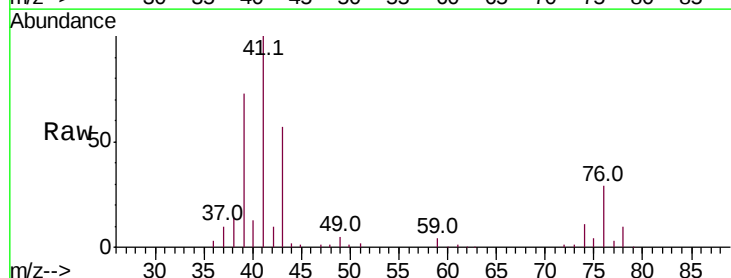
Manual Integrations
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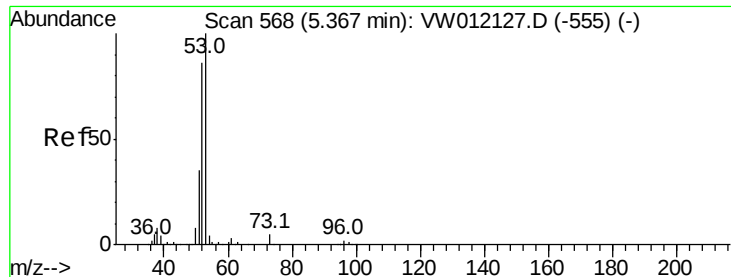
MMDadoda
9/3/2019 10:56:03 AM



#14
Allyl chloride
Concen: 19.019 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.1	53.4	80.2
76	27.8	22.1	33.1





#15

Acrylonitrile

Concen: 107.485 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

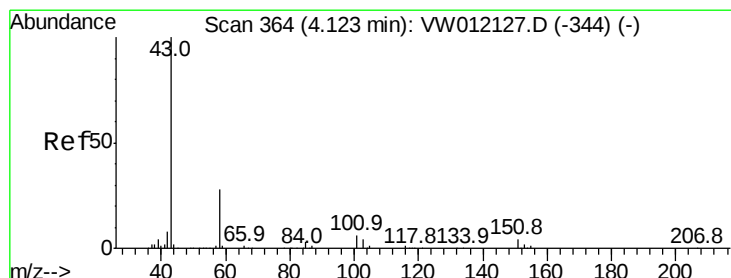
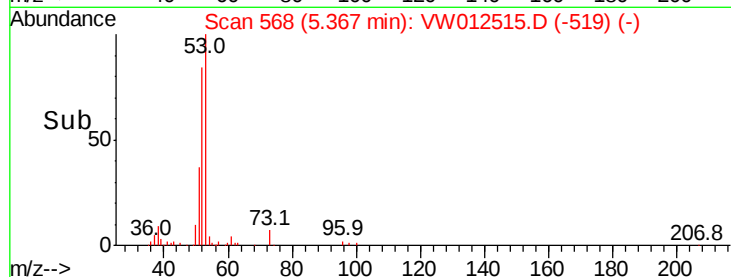
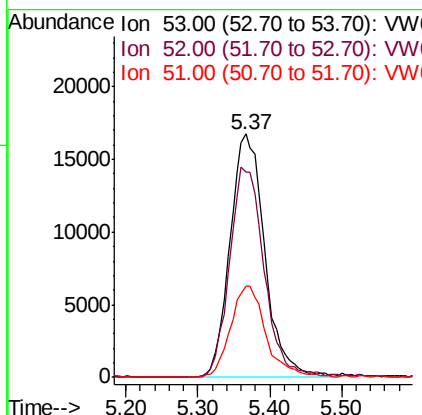
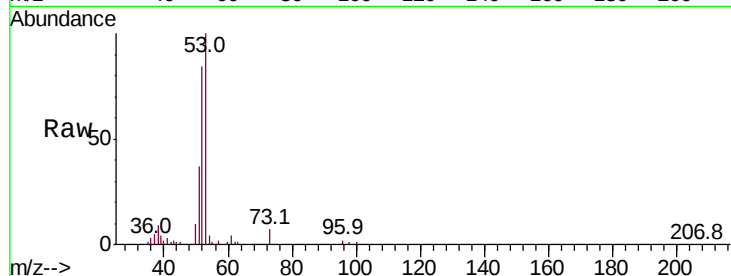
ClientSampleId :

VW0902SBSD02

Tot Ion:	53	Resp:	56225
Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.7	100.1
51	38.2	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 85.356 ug/l

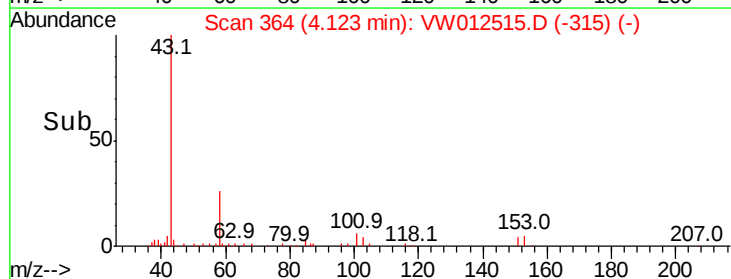
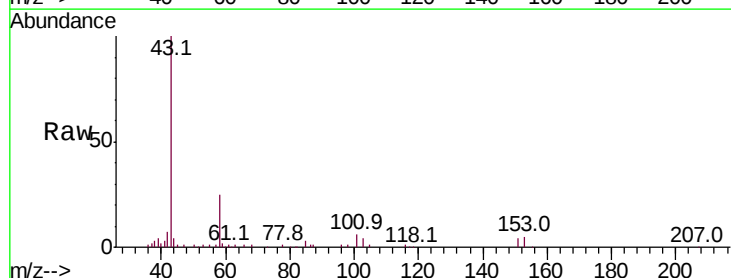
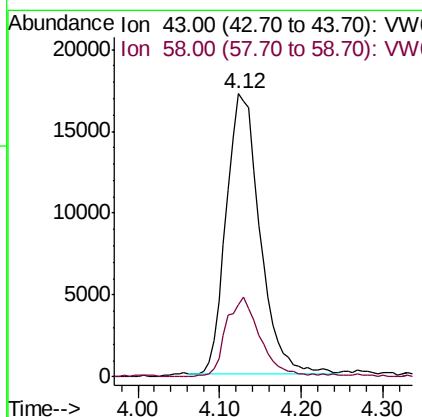
RT: 4.12 min Scan# 364

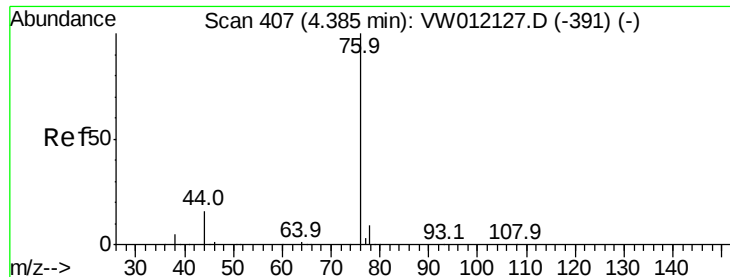
Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Tgt Ion:	43	Resp:	49188
Ion	Ratio	Lower	Upper
43	100		
58	25.7	22.4	33.6





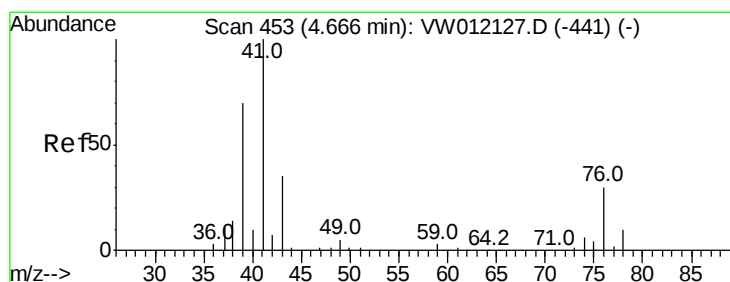
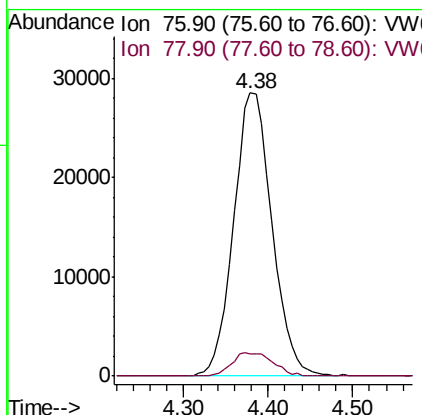
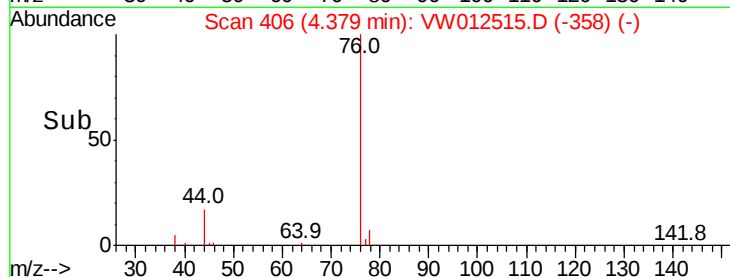
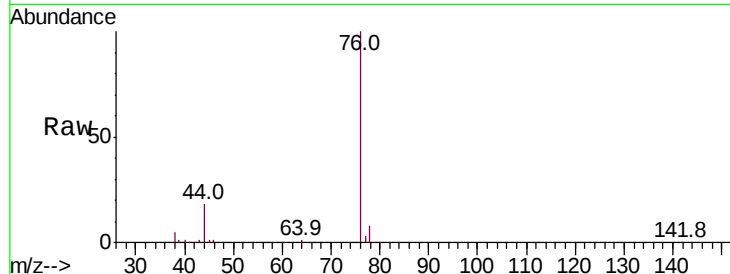
#17
Carbon Disulfide
Concen: 15.294 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9

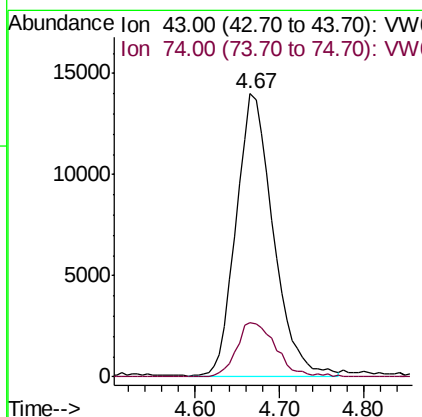
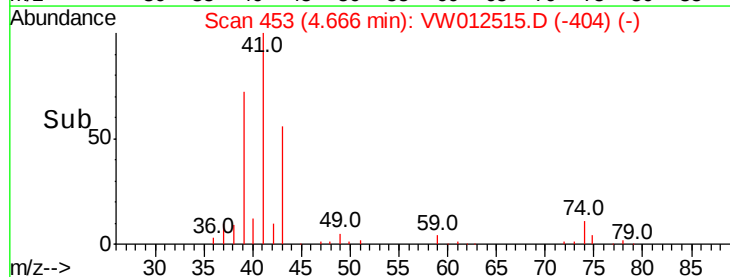
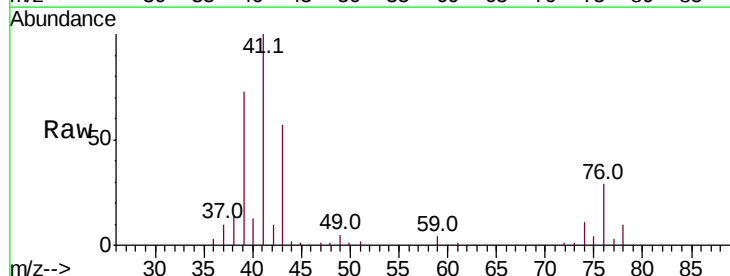
Manual Integrations
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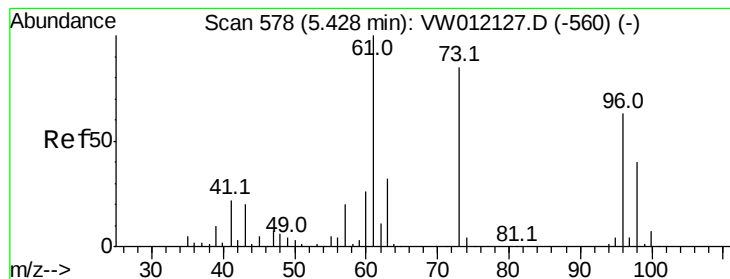
MMDadoda
9/3/2019 10:56:03 AM



#18
Methyl Acetate
Concen: 29.544 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.7	23.5





#19

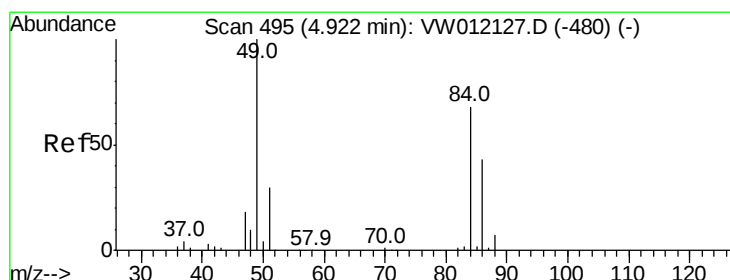
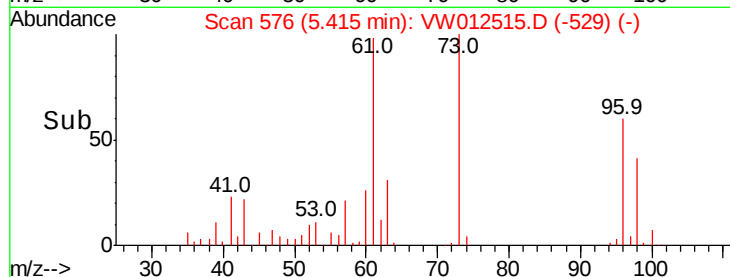
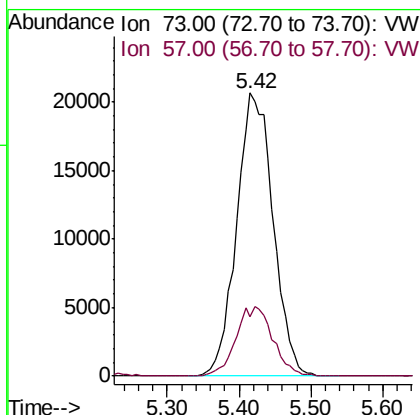
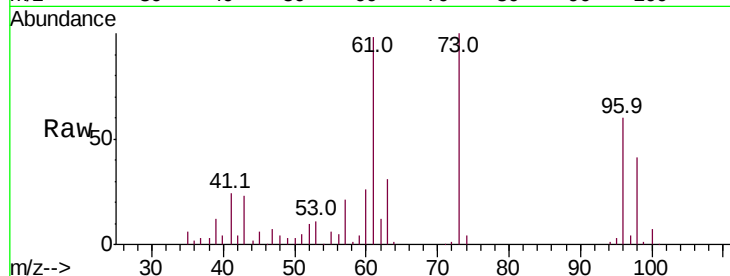
Methyl tert-butyl Ether
 Concen: 23.591 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	18.9	28.3

Manual Integrations
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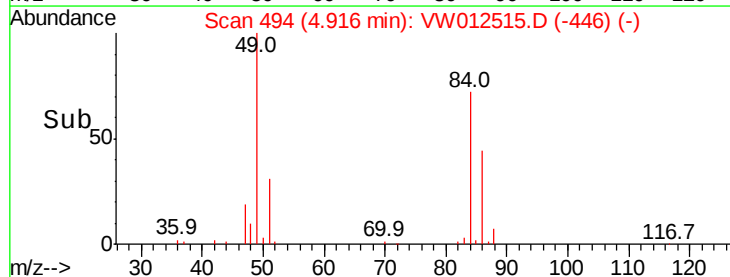
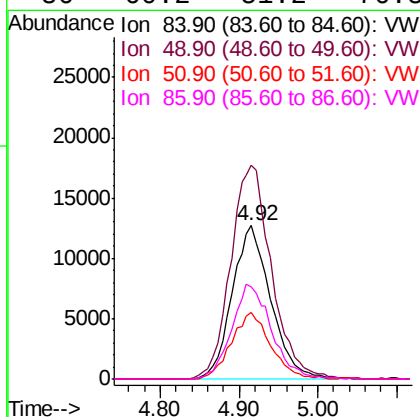
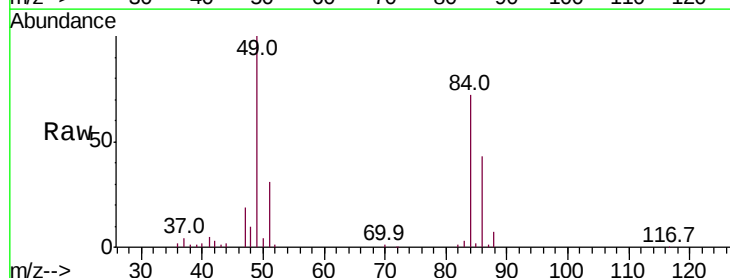
MMDadoda
 9/3/2019 10:56:03 AM

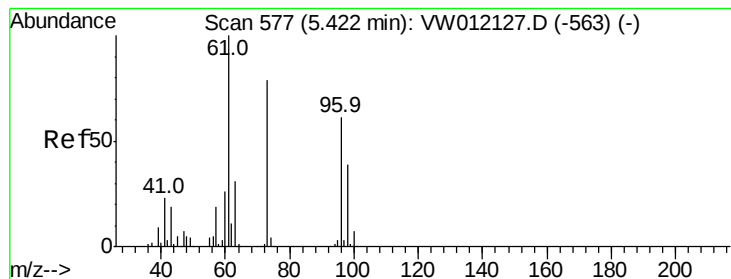


#20

Methylene Chloride
 Concen: 19.862 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.3	117.8	176.8
51	43.3	35.6	53.4
86	60.2	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 19.094 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD02

Tot Ion: 96 Resp: 38948

Ion Ratio Lower Upper

96 100

61 147.8 131.4 197.0

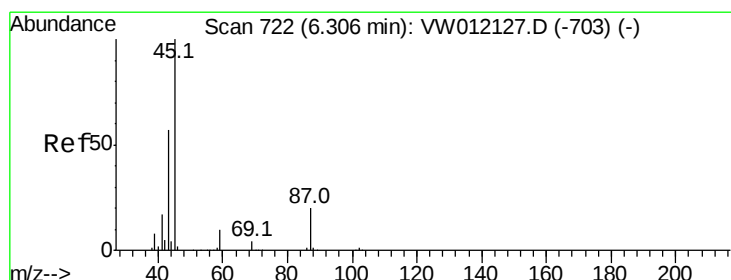
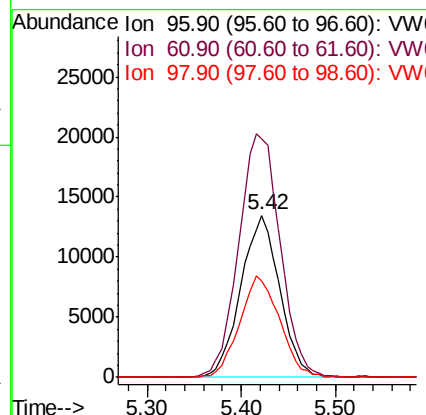
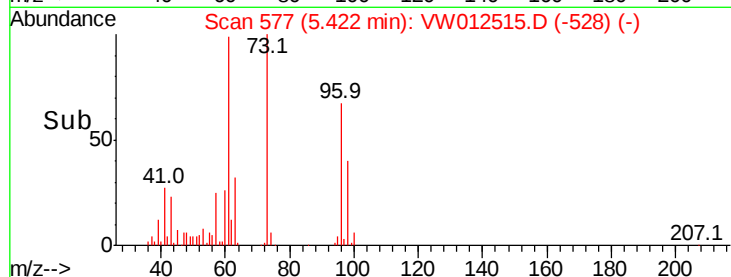
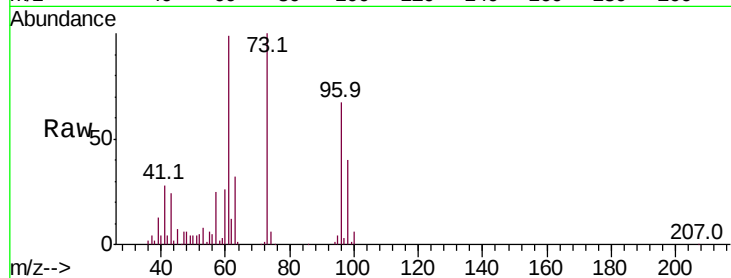
98 59.9 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.938 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Tgt Ion: 45 Resp: 157824

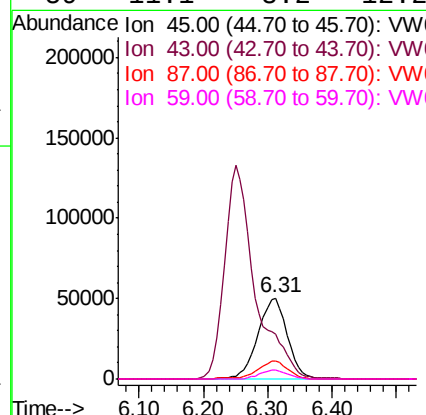
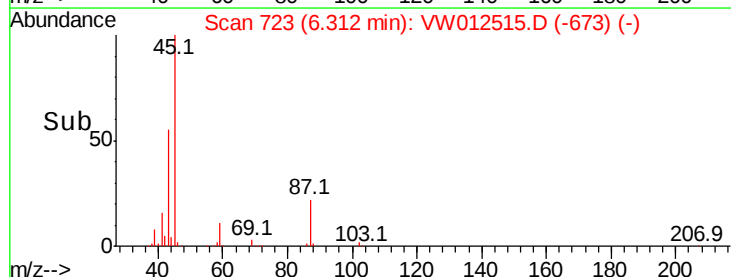
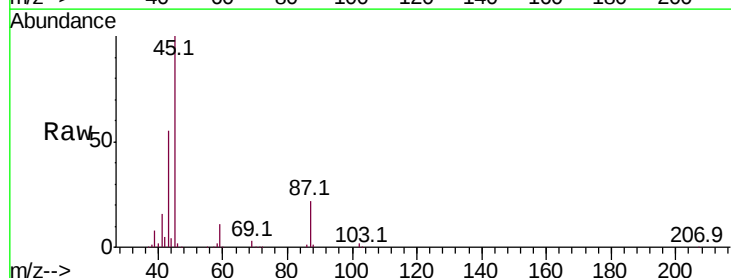
Ion Ratio Lower Upper

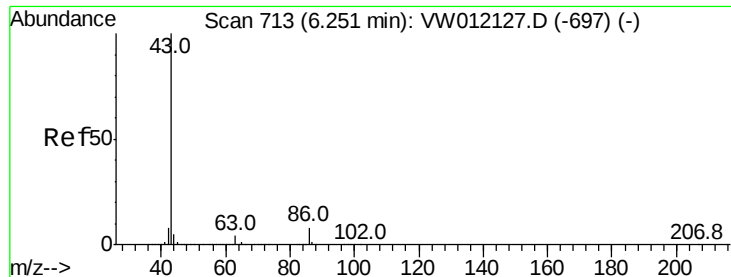
45 100

43 54.8 45.5 68.3

87 21.8 16.1 24.1

59 11.1 8.2 12.2





#23

Vinyl Acetate

Concen: 95.792 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD02

Tot Ion: 43 Resp: 444372

Ion Ratio Lower Upper

43 100

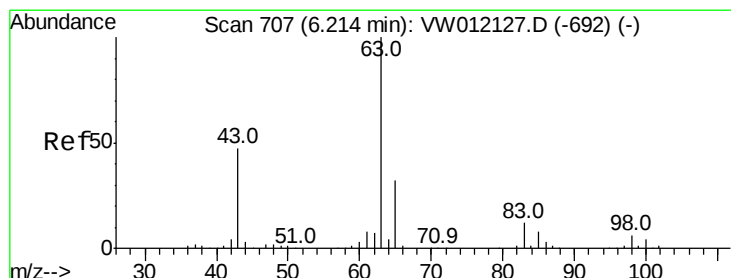
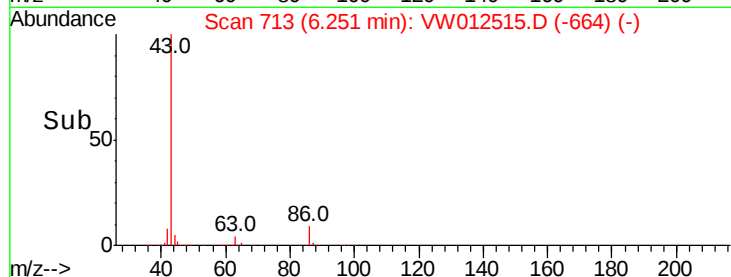
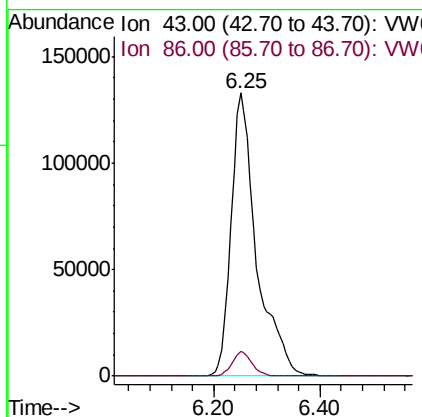
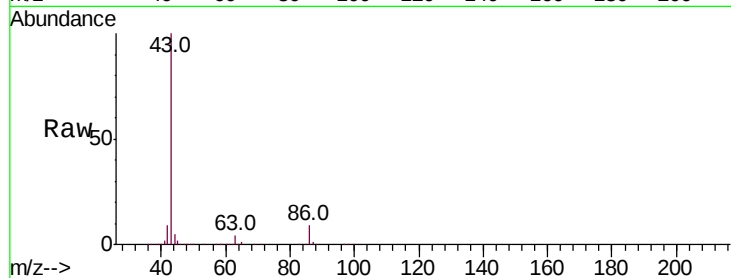
86 8.6 6.5 9.7

Manual Integrations

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MMDadoda

9/3/2019 10:56:03 AM



#24

1,1-Dichloroethane

Concen: 20.405 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

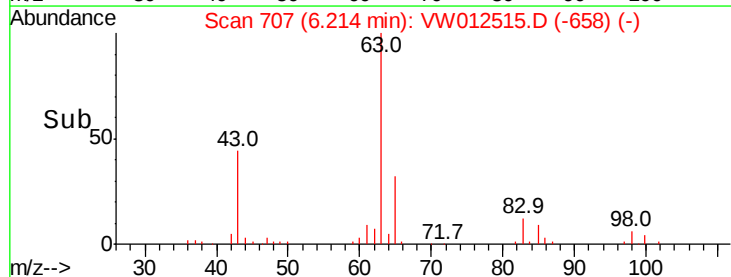
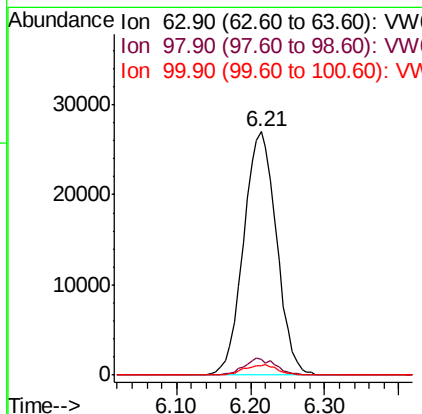
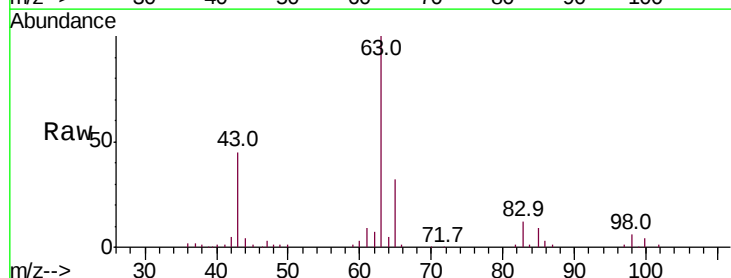
Tgt Ion: 63 Resp: 83749

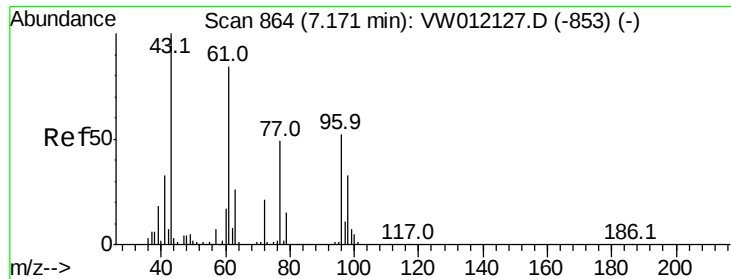
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 100.166 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD02

Tot Ion: 43 Resp: 78438

Ion Ratio Lower Upper

43 100

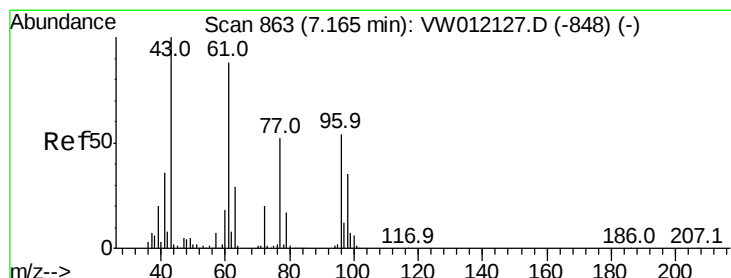
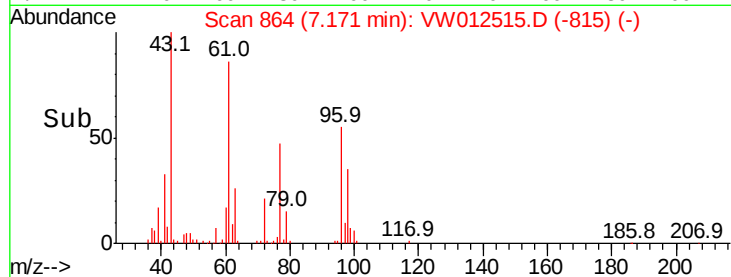
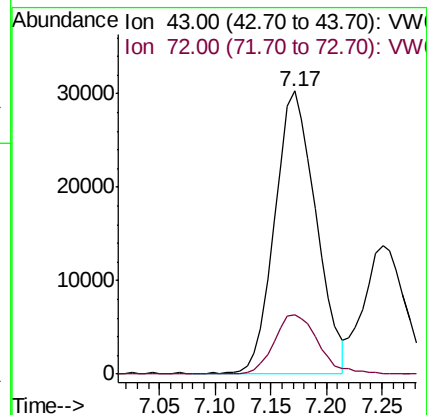
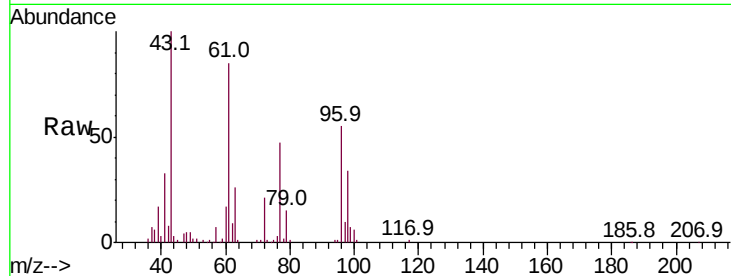
72 21.1 16.6 24.8

Manual Integrations

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MMDadoda

9/3/2019 10:56:03 AM



#26

2,2-Dichloropropane

Concen: 19.085 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012515.D

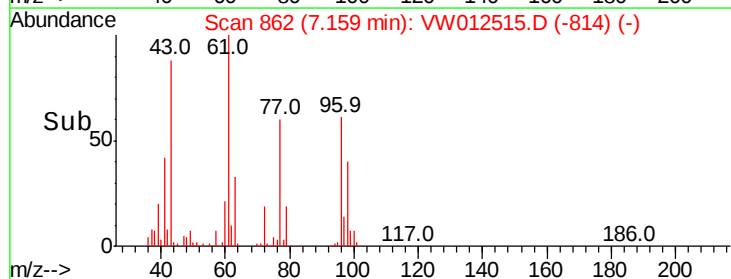
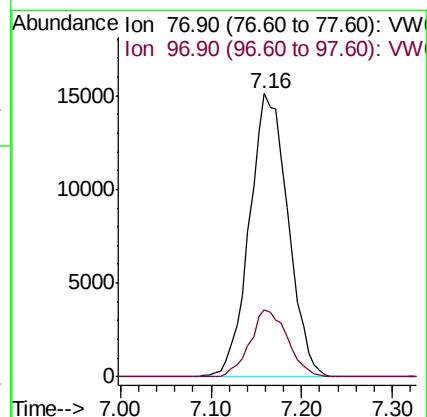
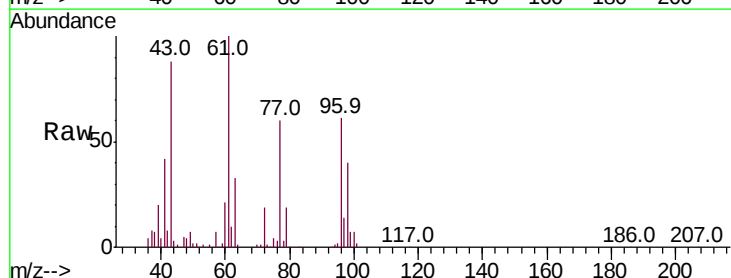
Acq: 02 Sep 2019 23:21

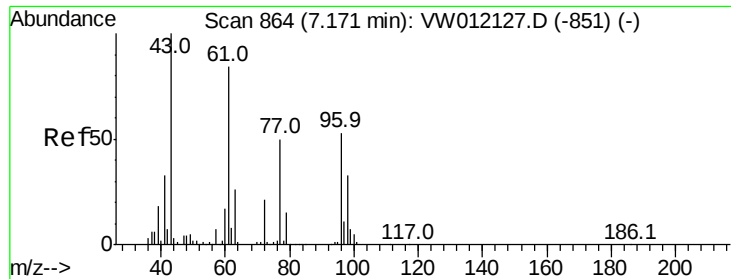
Tgt Ion: 77 Resp: 44336

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.1





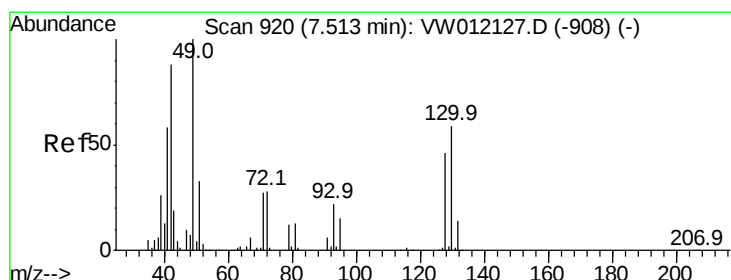
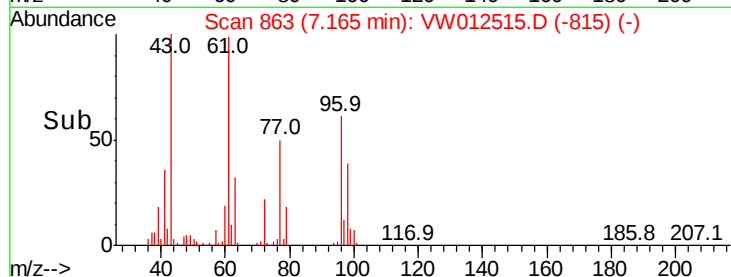
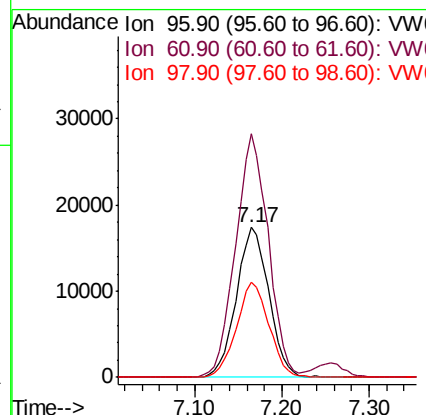
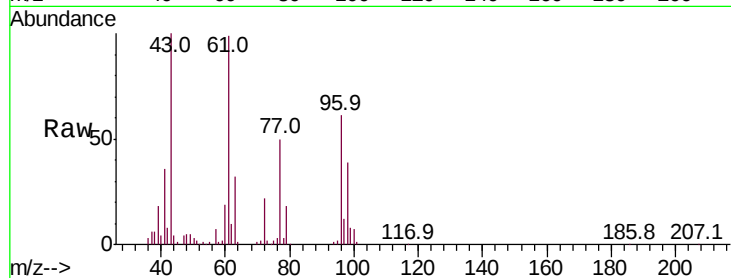
#27
 cis-1,2-Dichloroethene
 Concen: 20.645 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	44994		
61	163.1	0.0	326.6	
98	63.6	0.0	127.4	

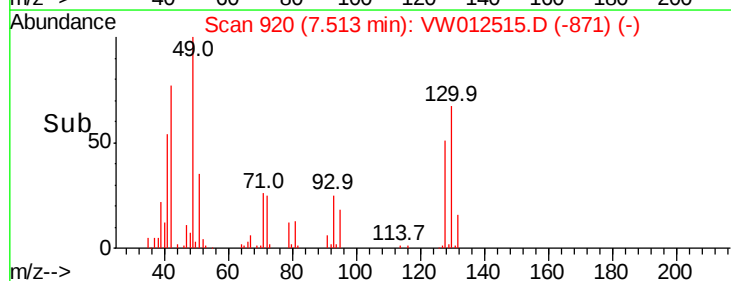
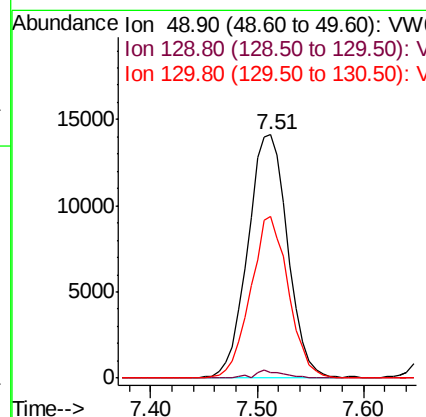
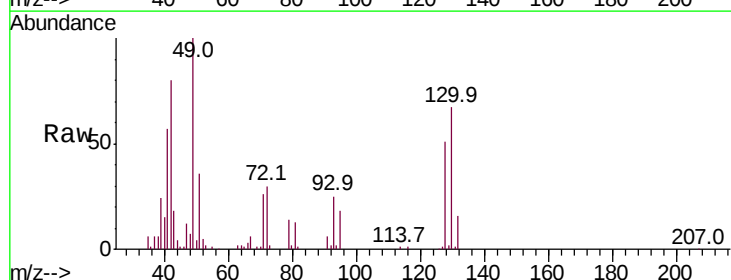
Manual Integrations
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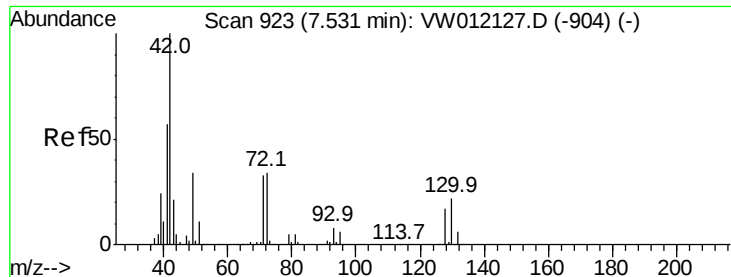
MMDadoda
 9/3/2019 10:56:03 AM



#28
 Bromochloromethane
 Concen: 20.802 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37211		
129	2.3	0.0	1.4#	
130	63.0	45.5	68.3	





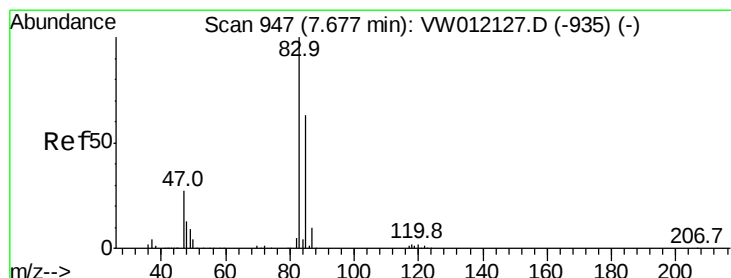
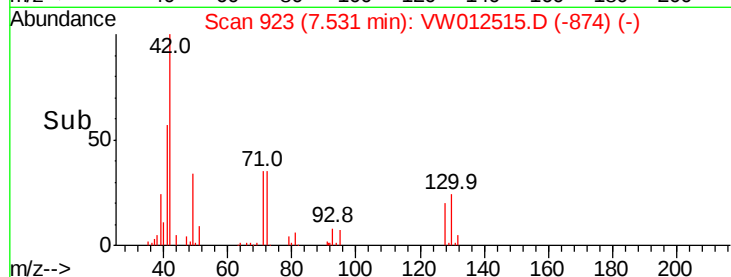
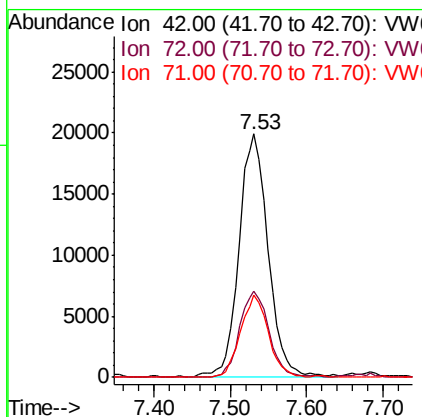
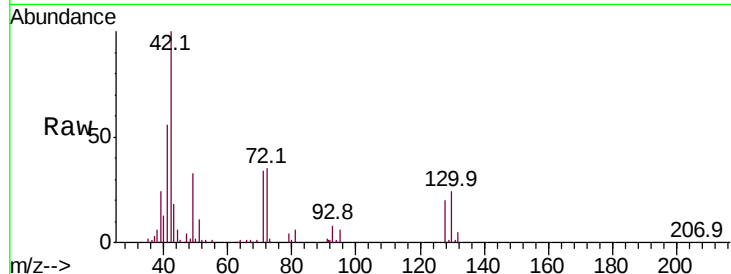
#29
Tetrahydrofuran
Concen: 111.027 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion:	42	Resp:	52162
Ion	Ratio	Lower	Upper
42	100		
72	36.2	27.3	40.9
71	32.6	25.5	38.3

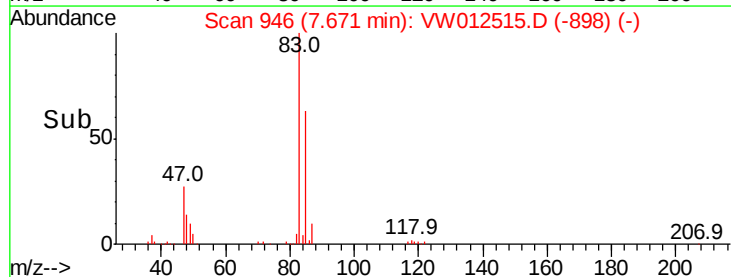
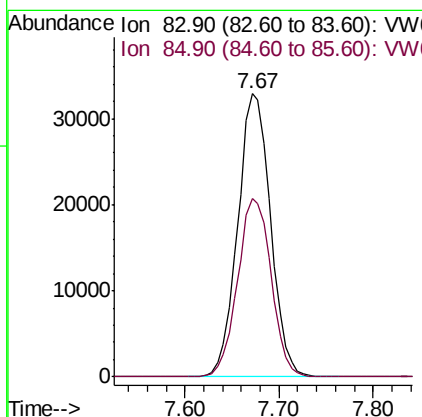
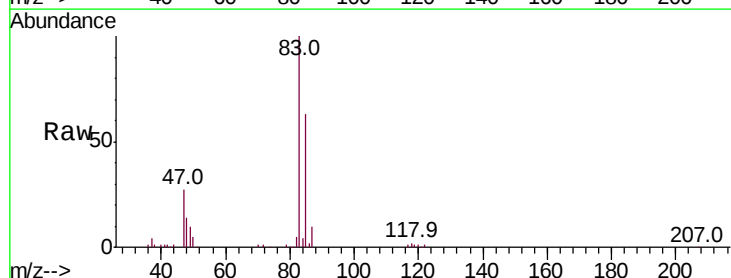
Manual Integrations
APPROVED

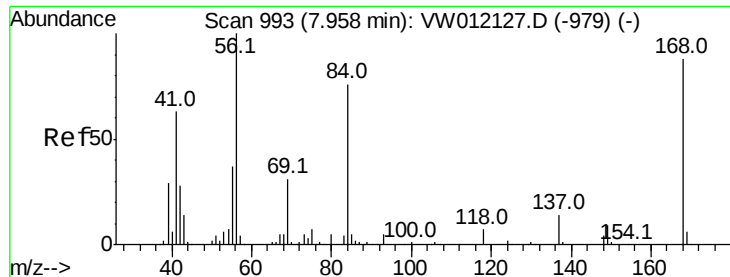
MMDadoda
9/3/2019 10:56:03 AM



#30
Chloroform
Concen: 21.347 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion:	83	Resp:	80158
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.6	76.0





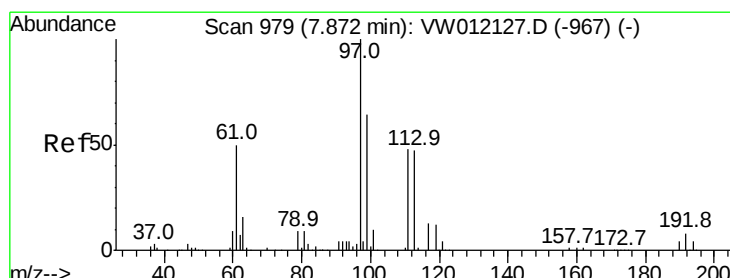
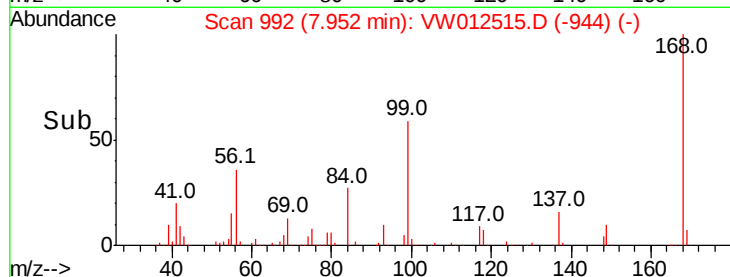
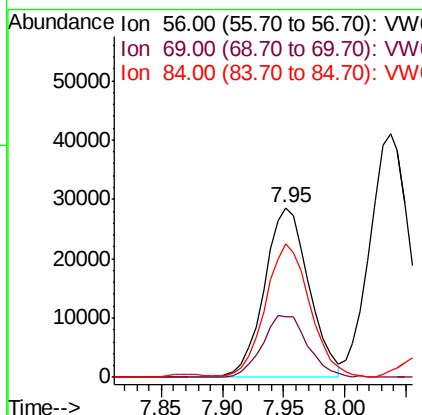
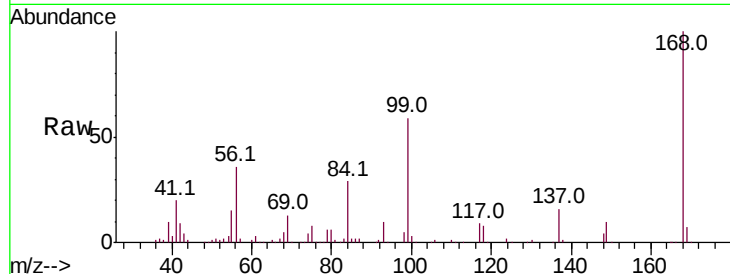
#31
Cyclohexane
Concen: 17.826 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	56	Resp	72386
Ion	Ratio	Lower	Upper
56	100		
69	36.1	24.9	37.3
84	77.2	60.6	90.8

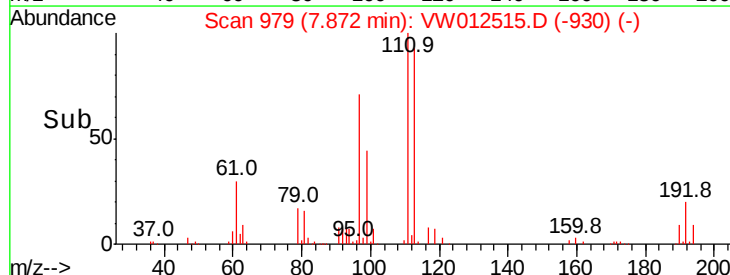
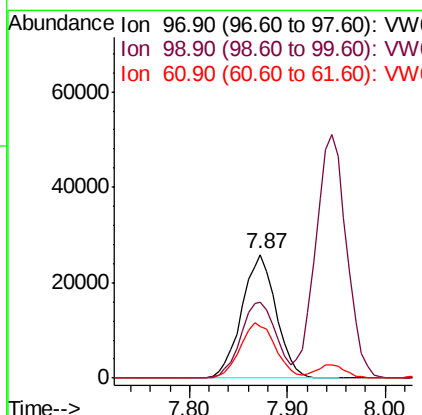
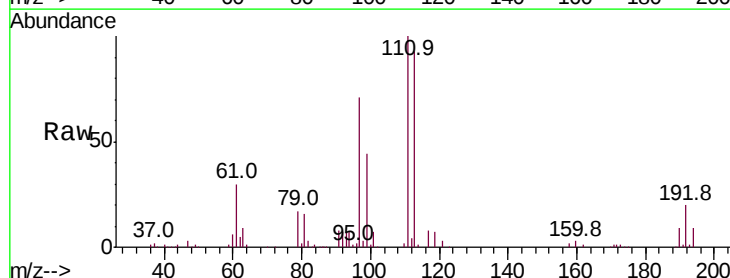
Manual Integrations
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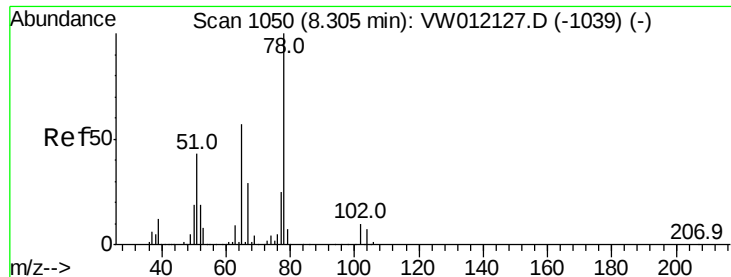
MMDadoda
9/3/2019 10:56:03 AM



#32
1,1,1-Trichloroethane
Concen: 21.216 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	97	Resp	63020
Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.4	77.0
61	46.0	39.5	59.3





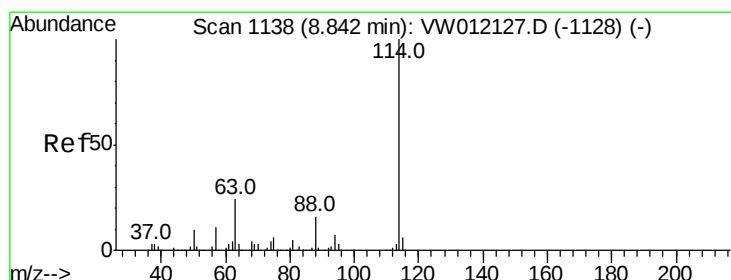
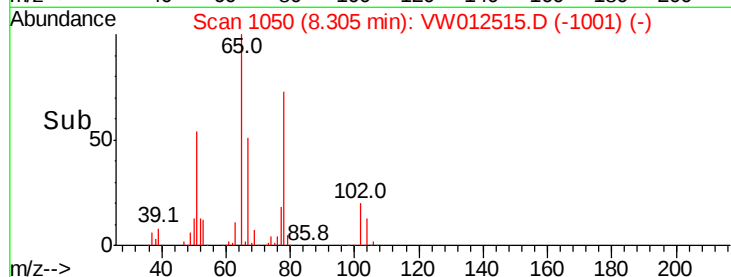
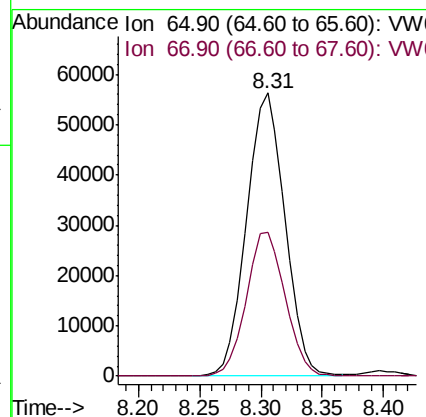
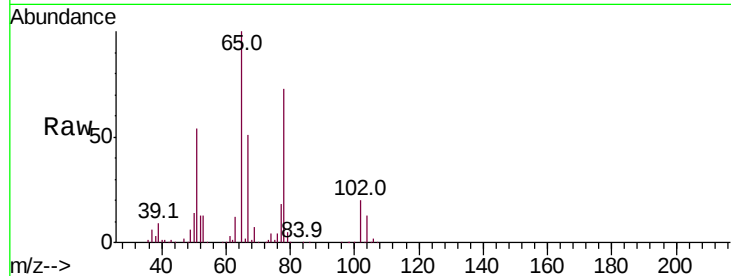
#33
 1,2-Dichloroethane-d4
 Concen: 54.524 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122918		
67	51.8	0.0	102.6	

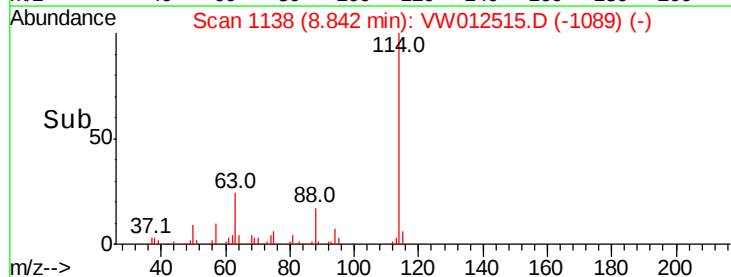
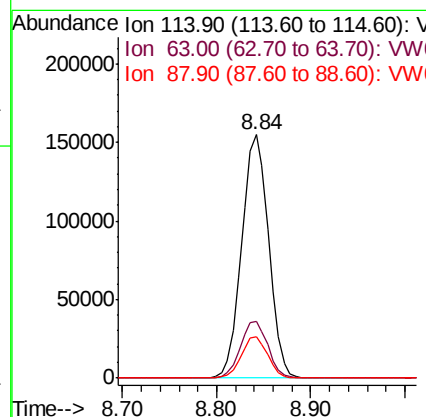
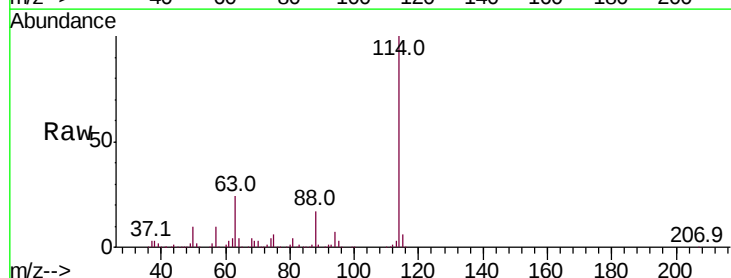
Manual Integrations
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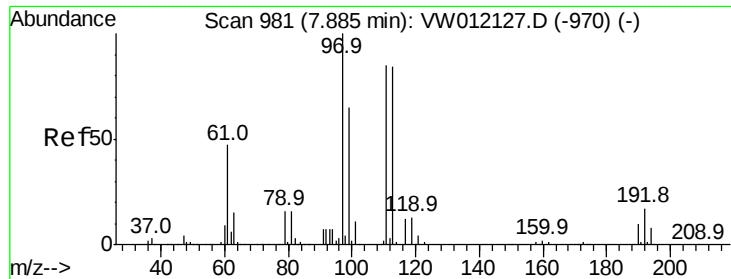
MMDadoda
 9/3/2019 10:56:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	308197		
63	23.5	0.0	48.6	
88	17.0	0.0	32.2	





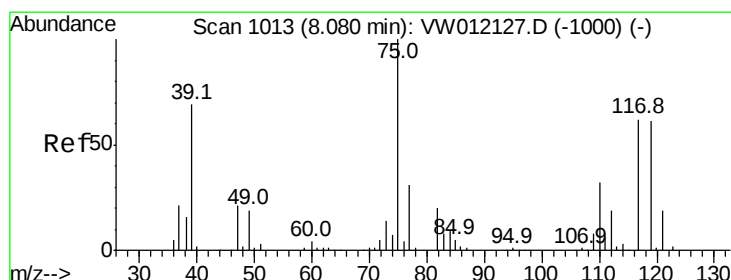
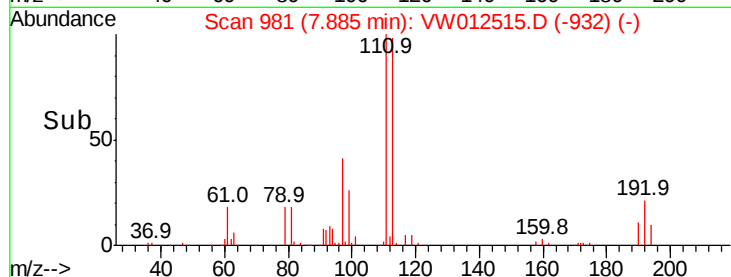
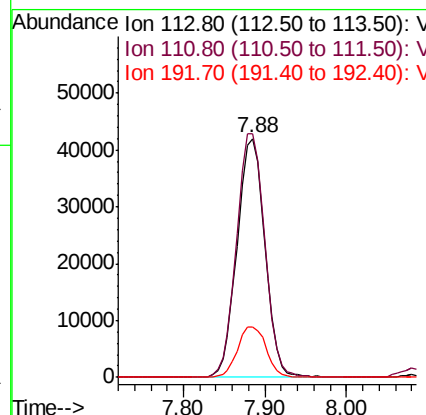
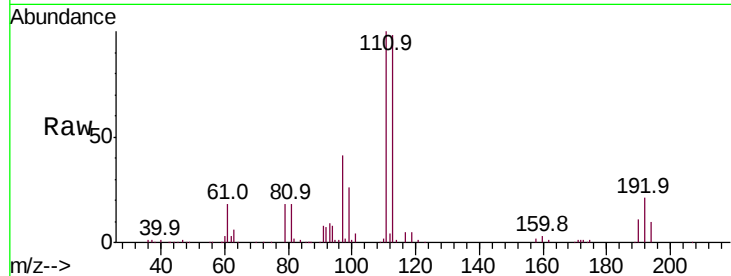
#35
 Dibromofluoromethane
 Concen: 53.842 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	99050		
111	103.5	82.7	124.1	
192	21.8	16.2	24.2	

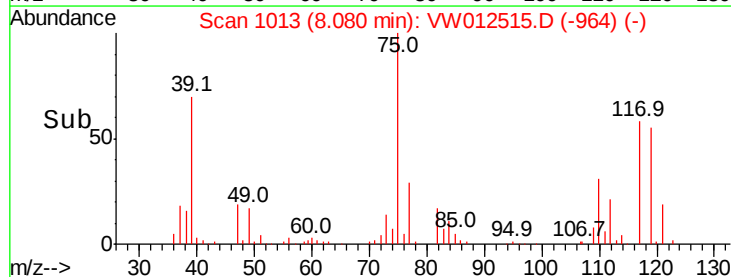
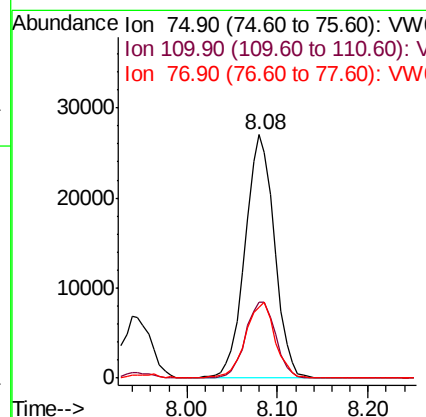
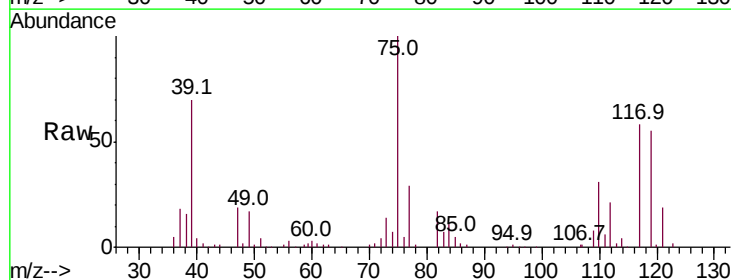
Manual Integrations
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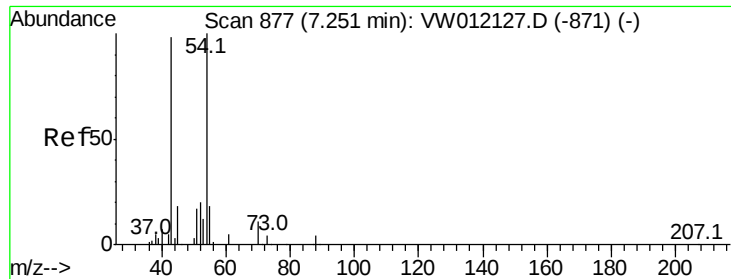
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.055 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60689		
110	31.9	15.6	46.8	
77	31.5	24.6	36.8	





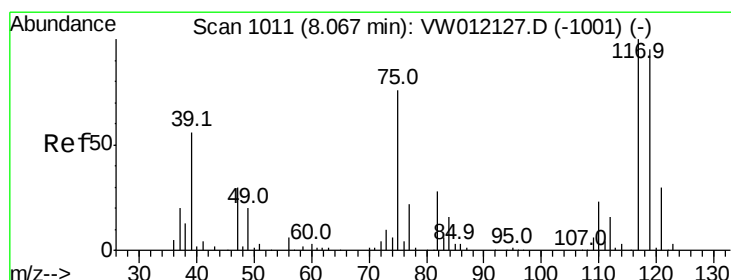
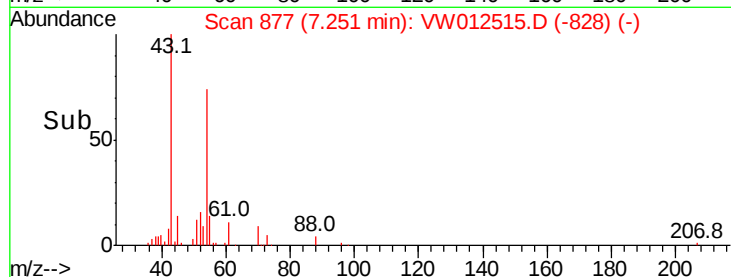
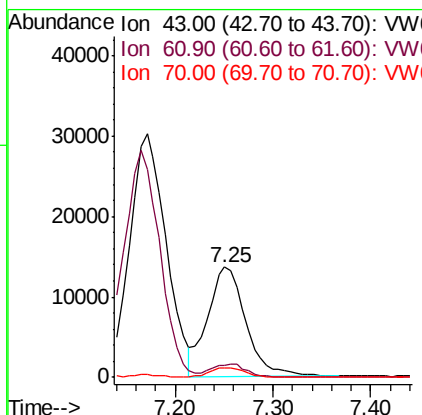
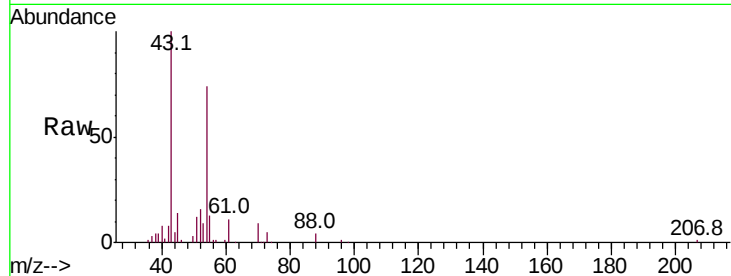
#37
Ethyl Acetate
Concen: 21.164 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.5	9.2	13.8	
70	8.5	6.9	10.3	

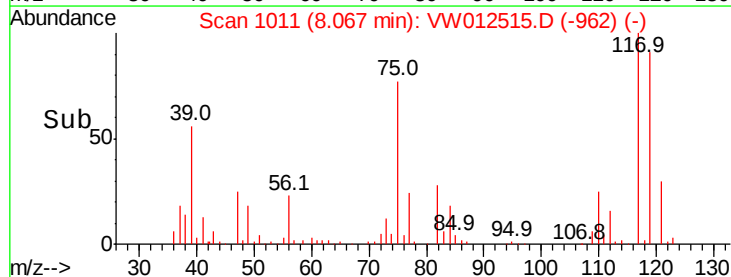
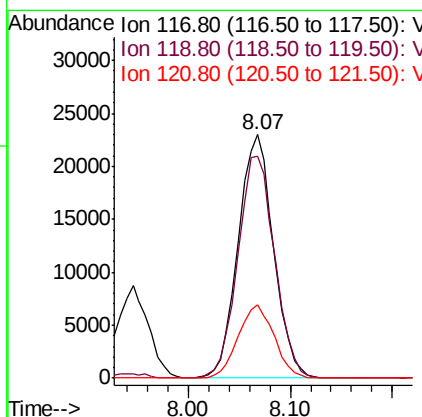
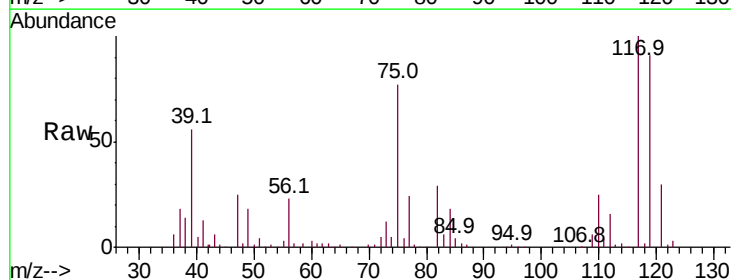
Manual Integrations
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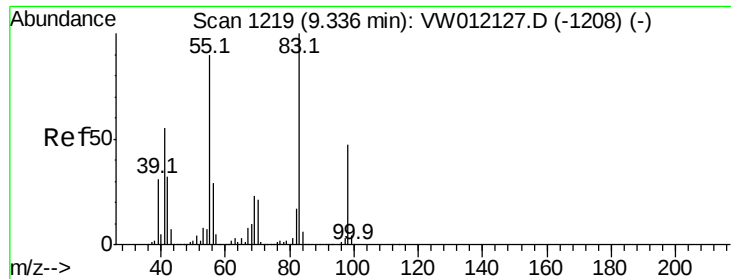
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.064 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	91.2	76.2	114.2	
121	30.1	23.8	35.8	





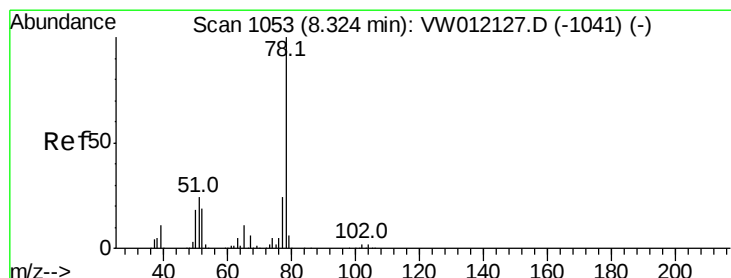
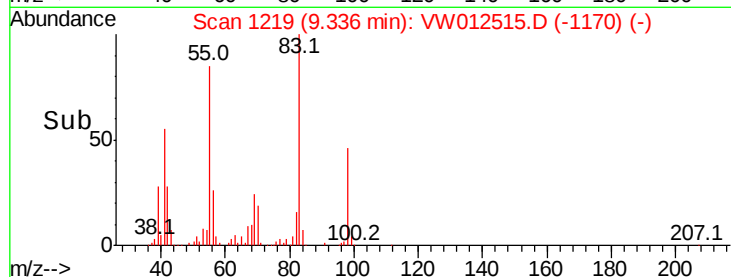
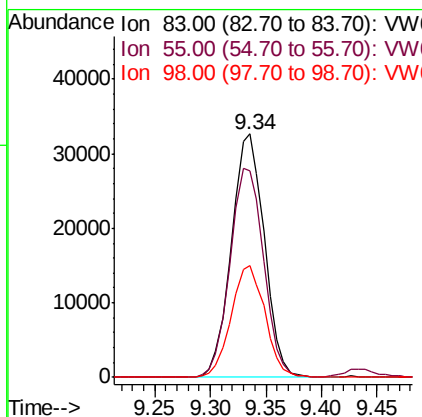
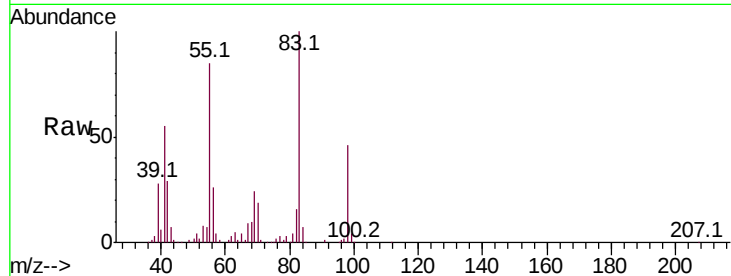
#39
Methvlcvclohexane
Concen: 18.716 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	83	Resp	66966
Ion Ratio	100	Lower	Upper
83	100		
55	84.7	71.8	107.8
98	45.8	37.8	56.8

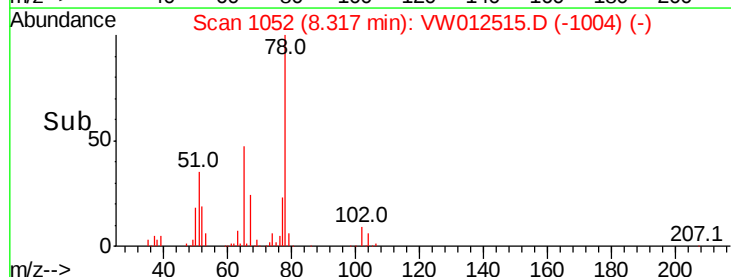
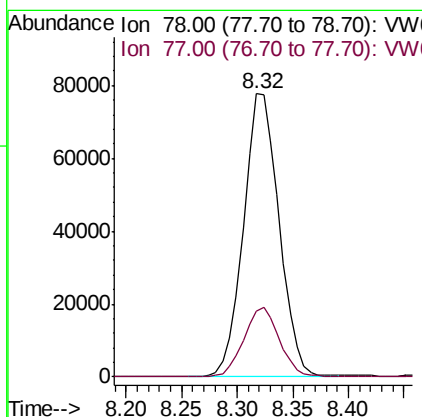
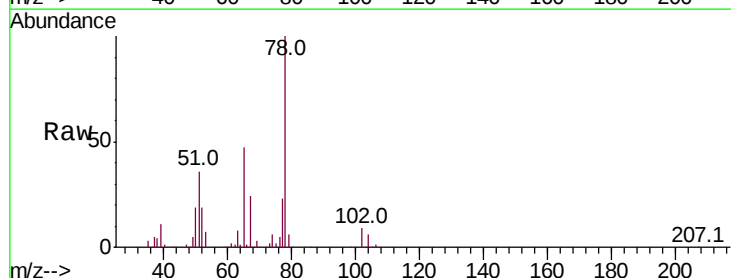
Manual Integrations
APPROVED

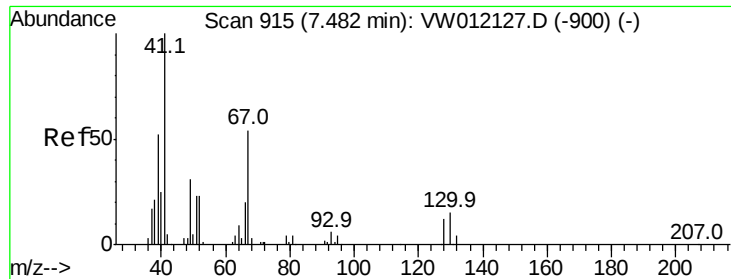
MMDadoda
9/3/2019 10:56:03 AM



#40
Benzene
Concen: 19.934 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	78	Resp	173356
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	19.5	29.3





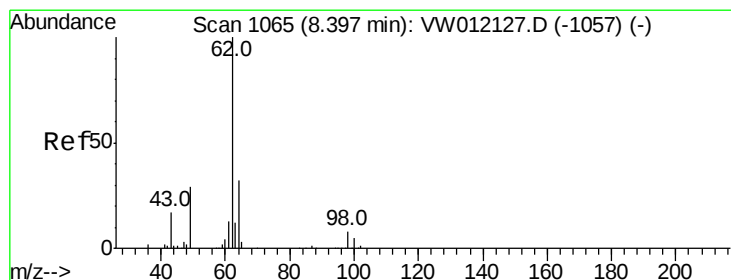
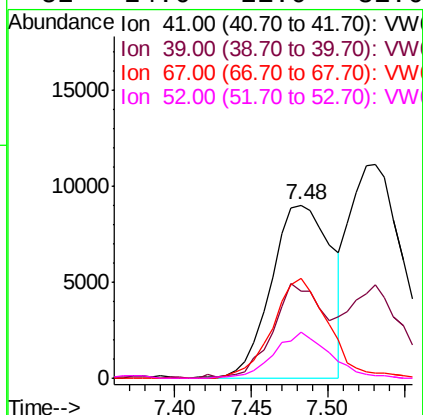
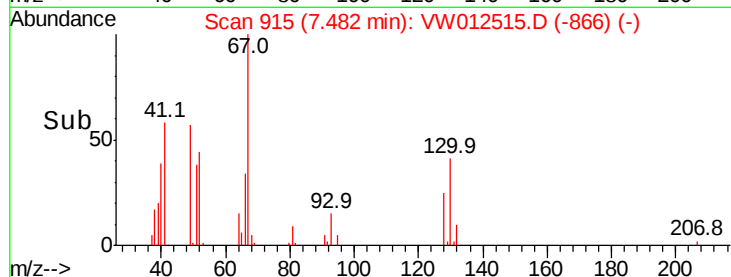
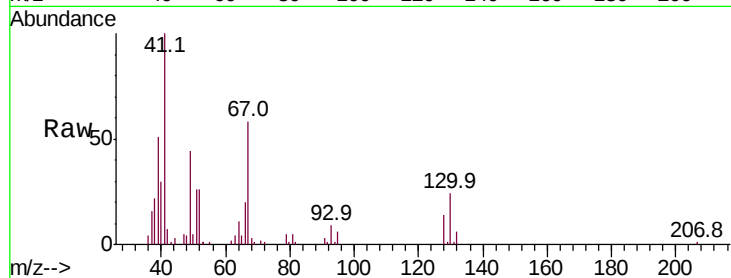
#41
Methacrylonitrile
Concen: 24.086 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampled :
VW0902SBSD02

Tot Ion	41	Resp	24706
Ion Ratio	100	Lower	Upper
39	44.8	45.8	68.8#
67	53.4	46.2	69.4
52	24.6	21.0	31.6

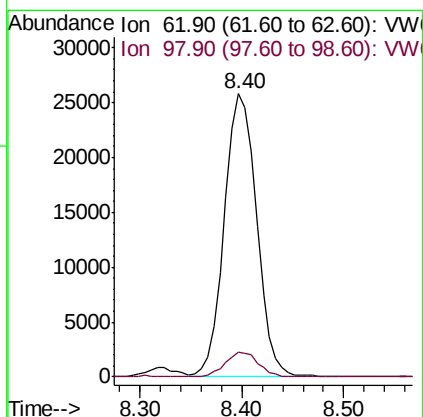
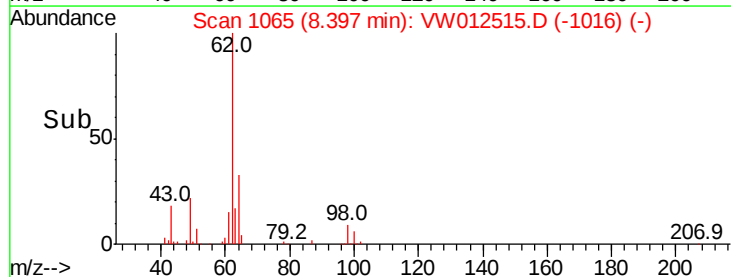
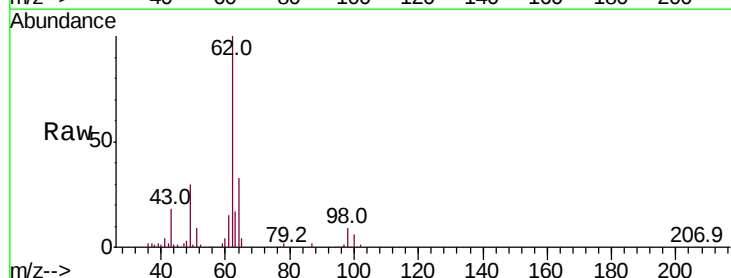
Manual Integrations
APPROVED

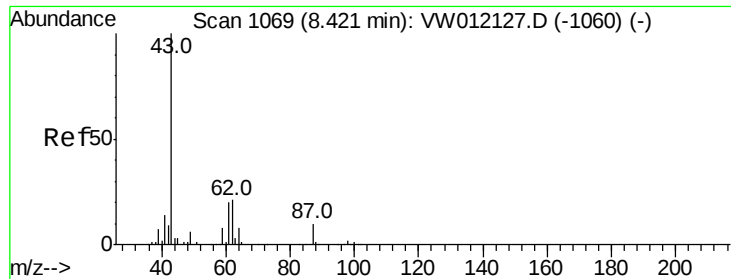
MMDadoda
9/3/2019 10:56:03 AM



#42
1,2-Dichloroethane
Concen: 20.862 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	62	Resp	56860
Ion Ratio	100	Lower	Upper
98	8.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.729 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

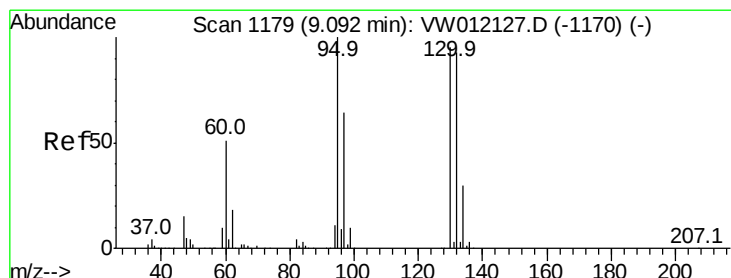
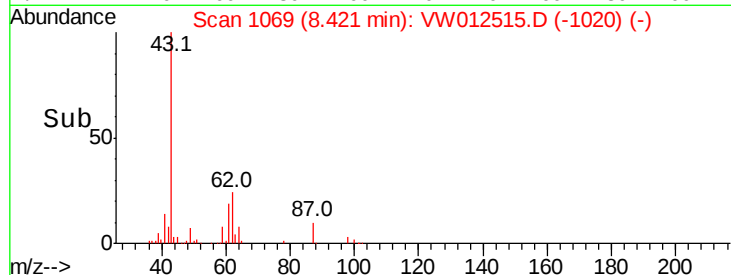
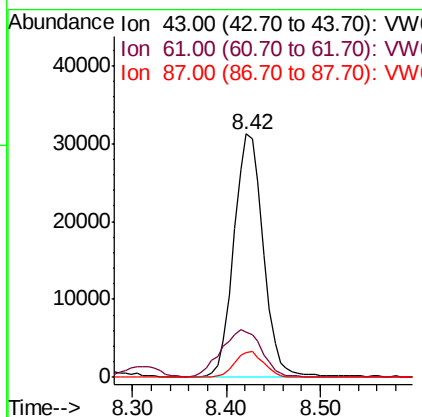
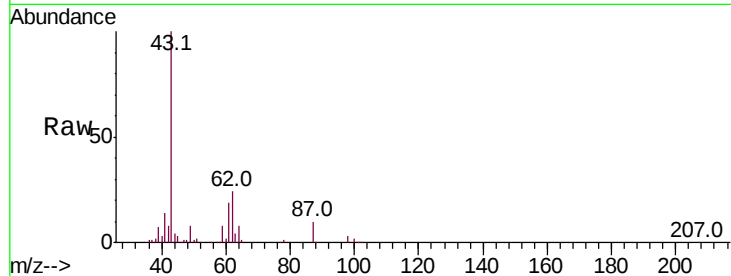
ClientSampleId :

VW0902SBS02

Tot Ion:	43	Resp:	67013
Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.1	31.7
87	10.6	8.2	12.2

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#44

Trichloroethene

Concen: 20.400 ug/l

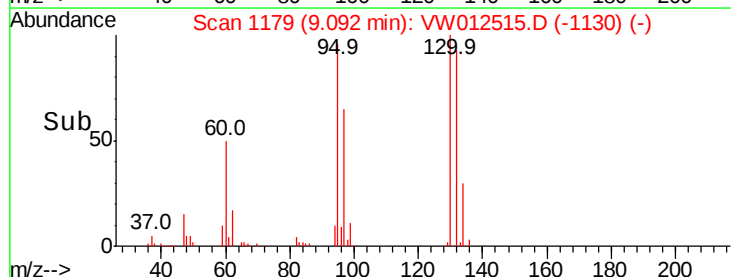
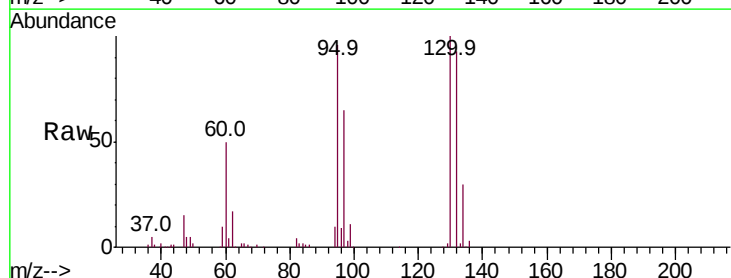
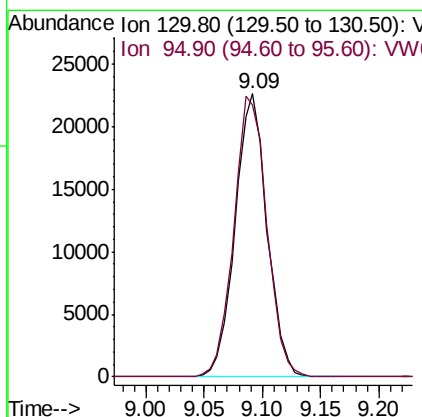
RT: 9.09 min Scan# 1179

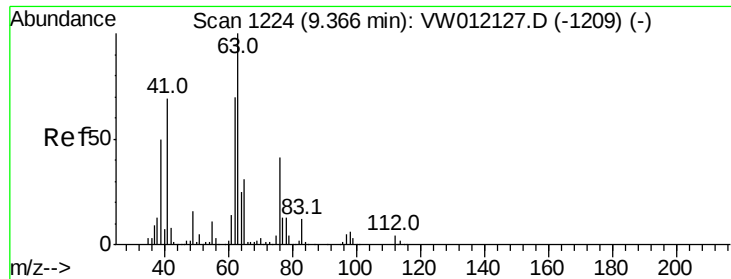
Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Tgt Ion:	130	Resp:	43127
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	210.6





#45

1,2-Dichloropropane

Concen: 20.550 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBS02

Tot Ion: 63 Resp: 48096

Ion Ratio Lower Upper

63 100

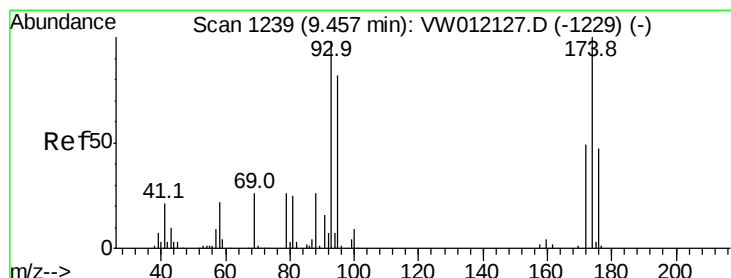
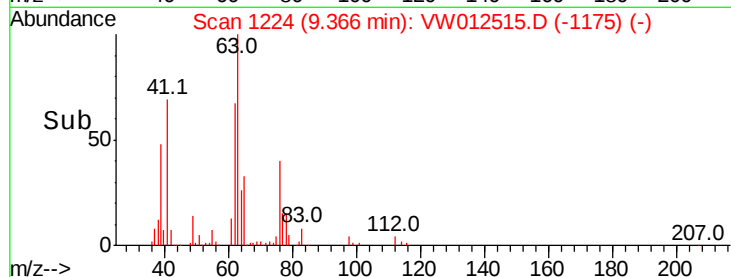
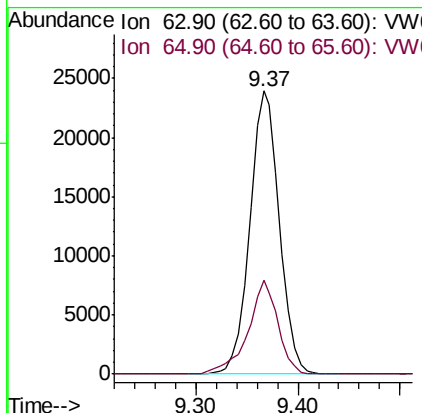
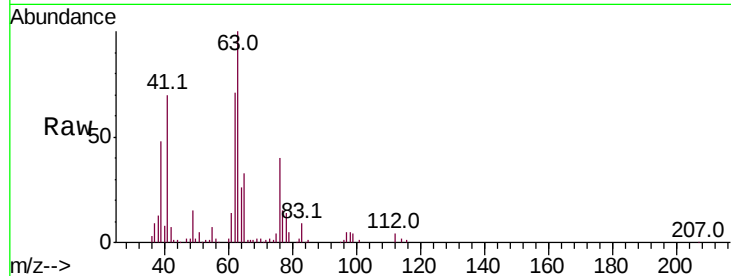
65 33.1 25.0 37.4

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#46

Dibromomethane

Concen: 20.758 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

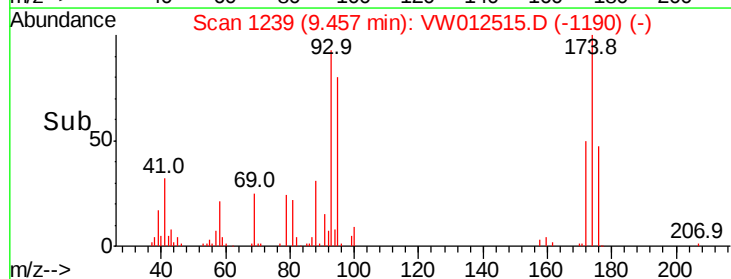
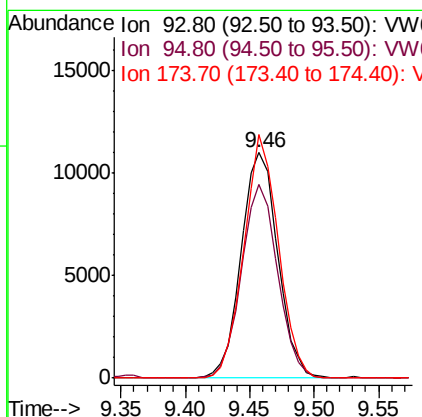
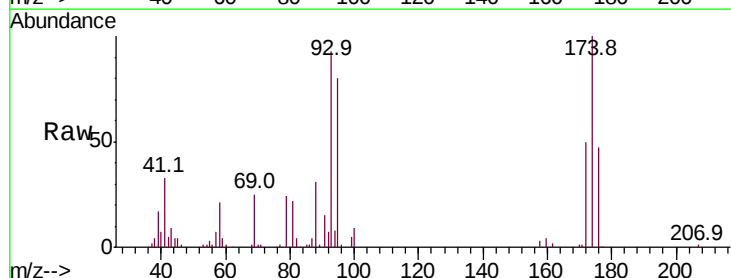
Tgt Ion: 93 Resp: 21616

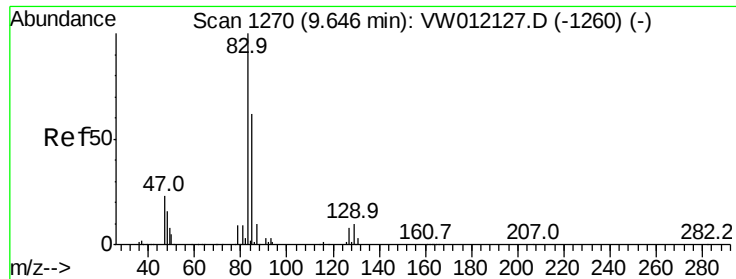
Ion Ratio Lower Upper

93 100

95 84.9 67.2 100.8

174 101.3 79.0 118.6





#47

Bromodichloromethane

Concen: 21.142 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

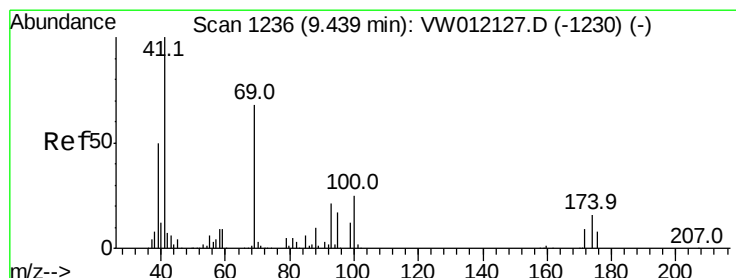
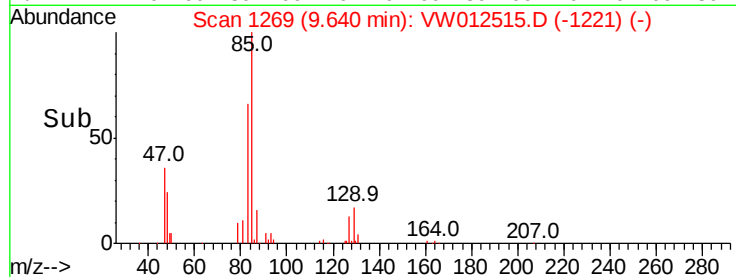
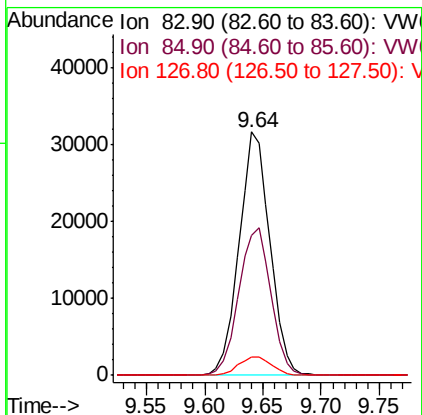
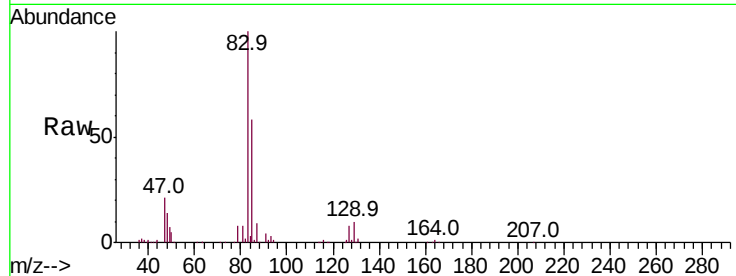
ClientSampleId :

VW0902SBSD02

Tot Ion:	83	Resp:	58595
Ion Ratio	Lower	Upper	
83	100		
85	57.4	49.4	74.2
127	7.5	6.1	9.1

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#48

Methyl methacrylate

Concen: 21.065 ug/l

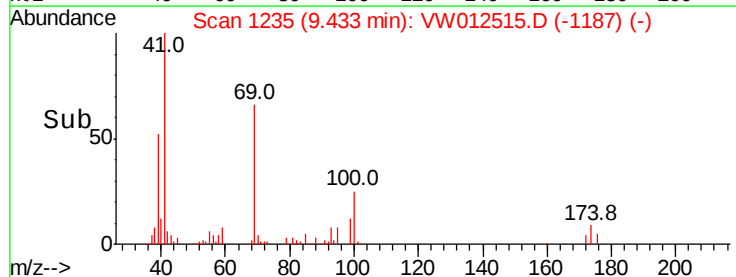
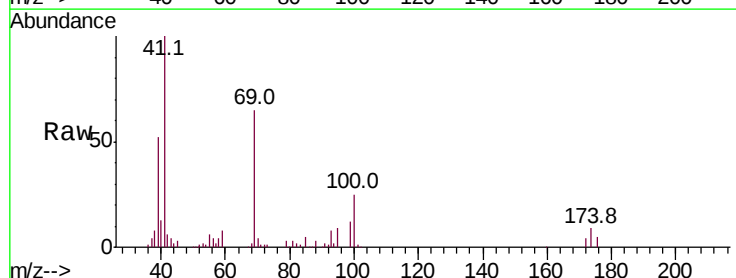
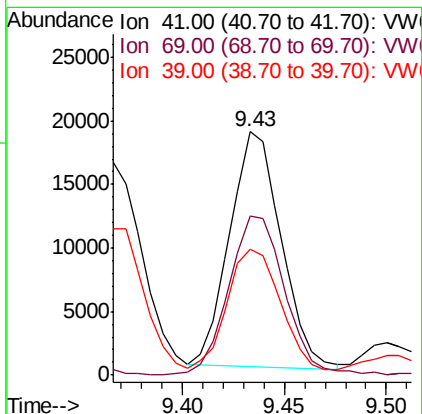
RT: 9.43 min Scan# 1235

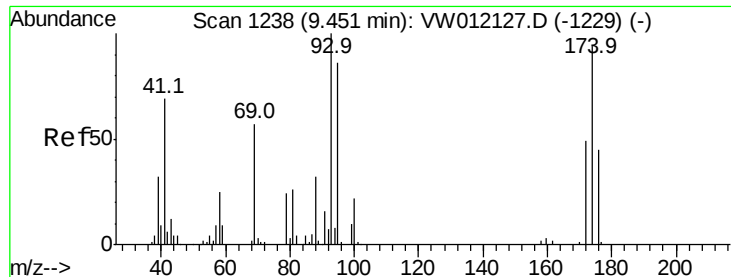
Delta R.T. -0.01 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Tgt Ion:	41	Resp:	32412
Ion Ratio	Lower	Upper	
41	100		
69	74.4	56.7	85.1
39	57.0	42.0	63.0





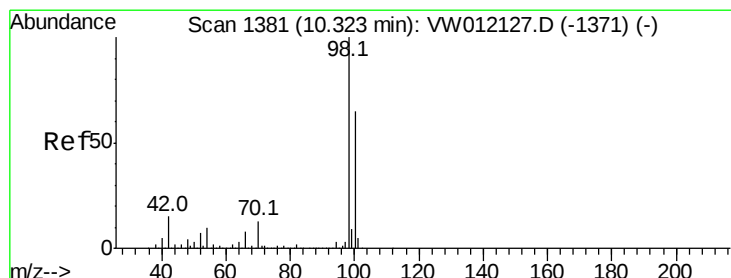
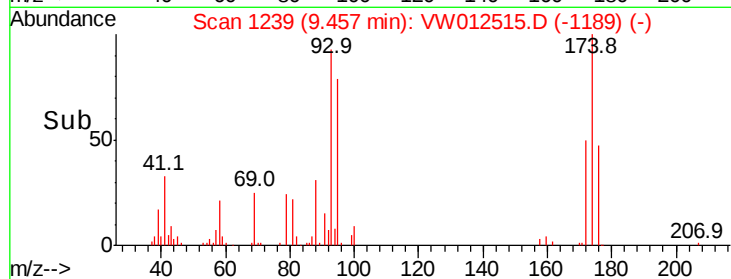
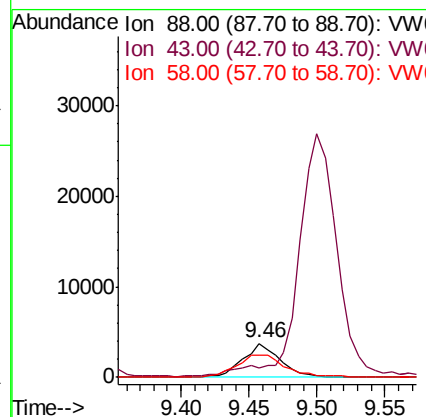
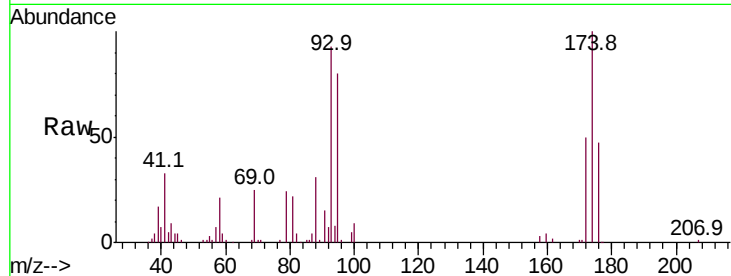
#49
1,4-Dioxane
Concen: 448.755 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	89.0	71.0	106.4

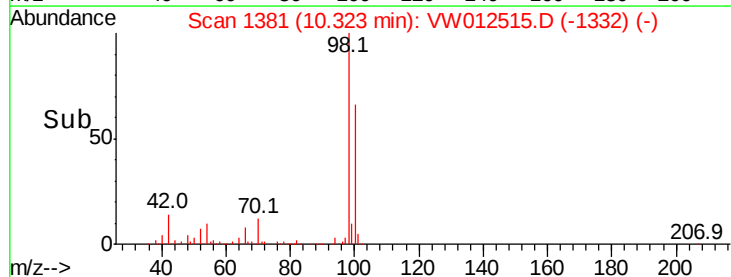
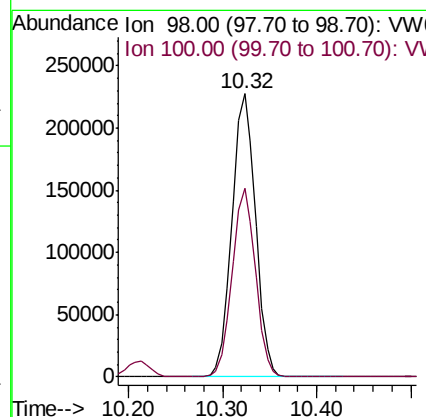
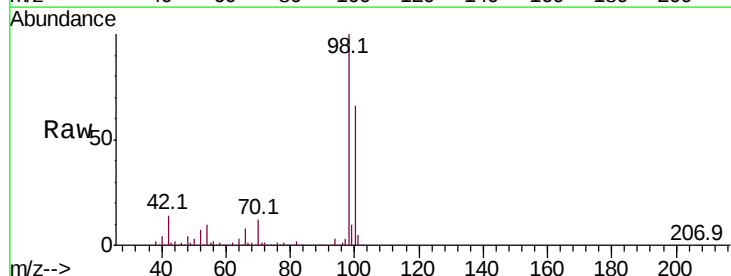
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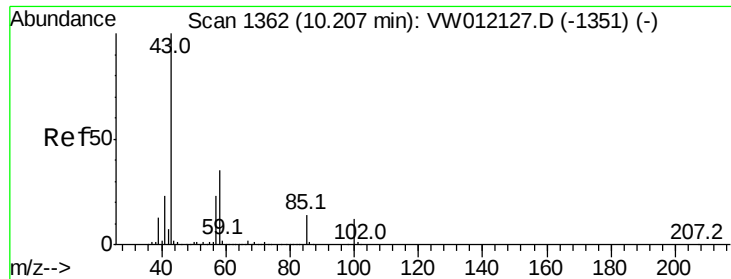
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#50
Toluene-d8
Concen: 52.977 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 107.136 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD02

Tot Ion: 43 Resp: 176161

Ion Ratio Lower Upper

43 100

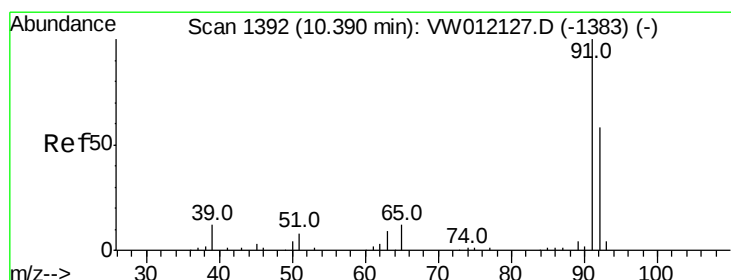
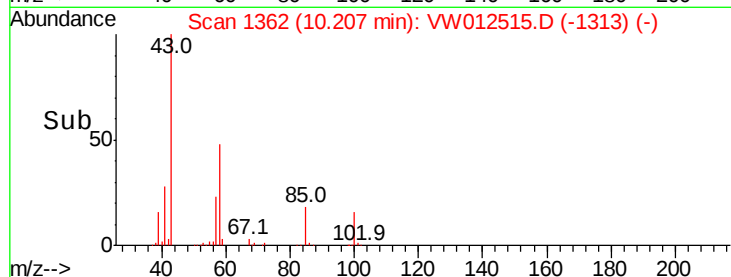
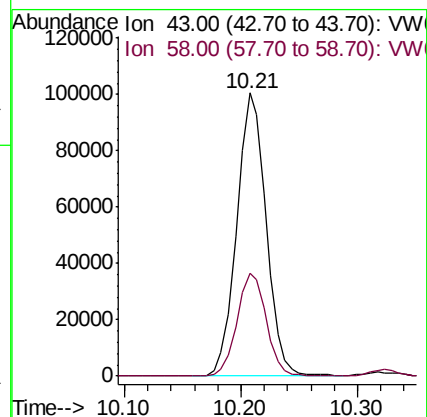
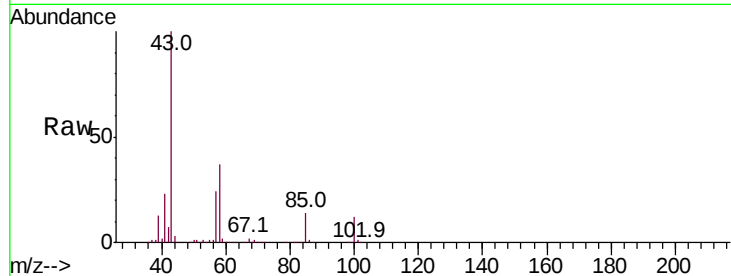
58 36.3 28.2 42.2

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#52

Toluene

Concen: 20.446 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012515.D

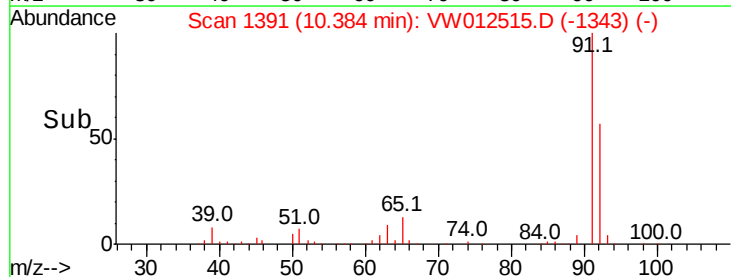
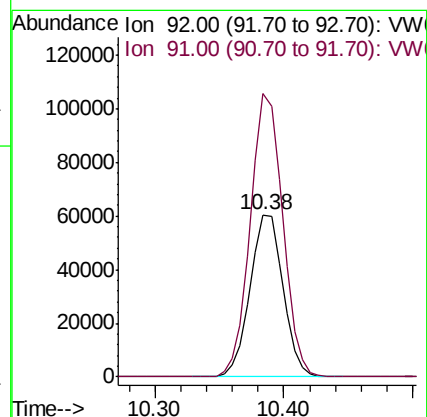
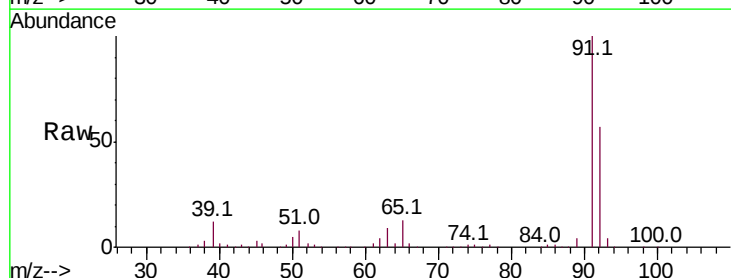
Acq: 02 Sep 2019 23:21

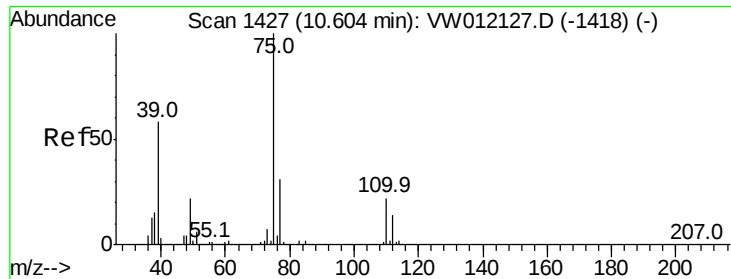
Tgt Ion: 92 Resp: 106815

Ion Ratio Lower Upper

92 100

91 171.8 136.6 204.8





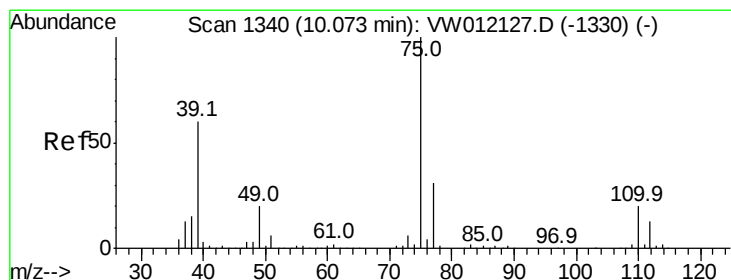
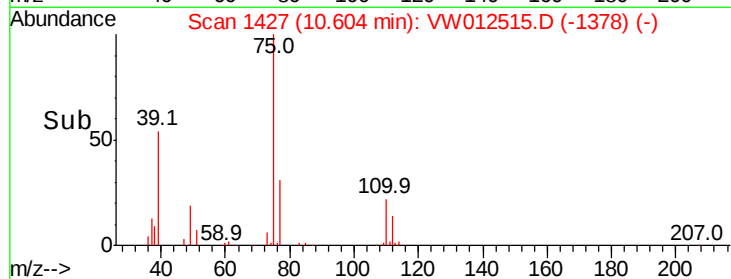
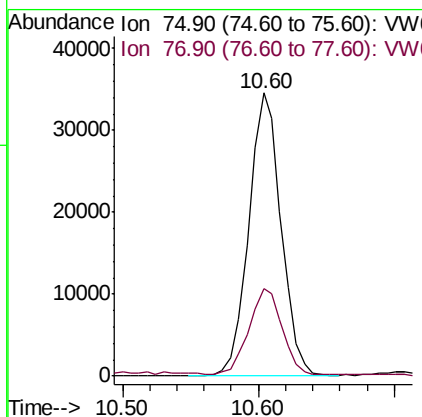
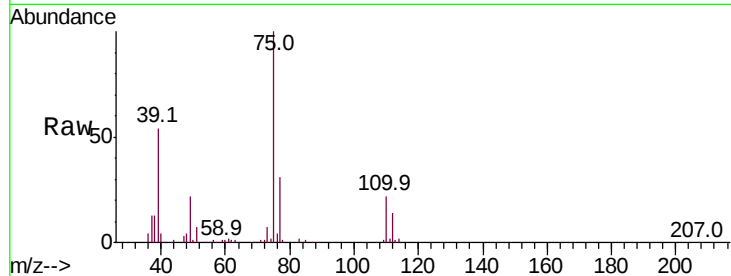
#53
 t-1,3-Dichloropropene
 Concen: 20.368 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.4

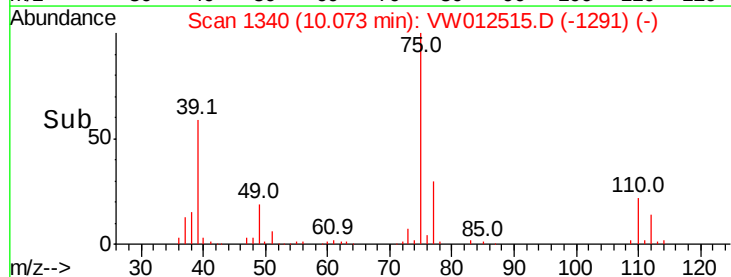
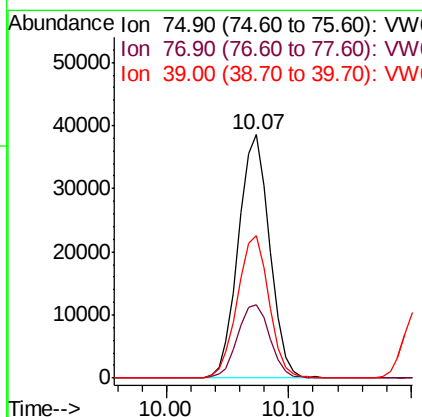
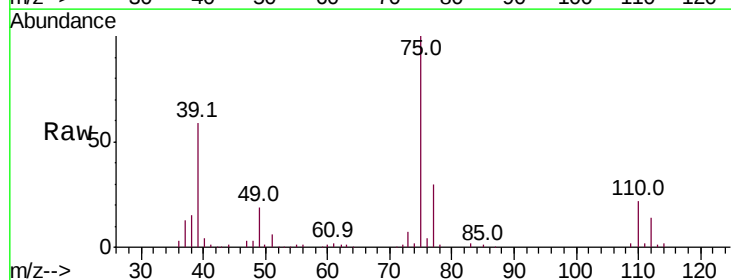
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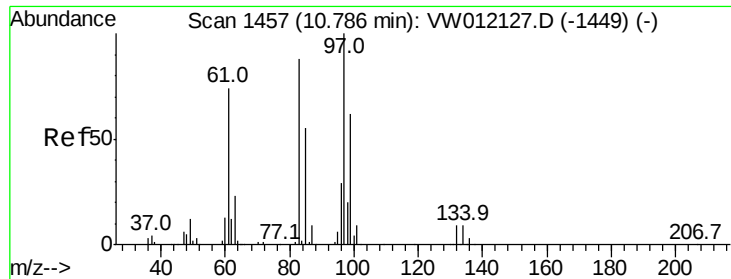
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#54
 cis-1,3-Dichloropropene
 Concen: 20.077 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.1	37.7
39	58.6	48.3	72.5





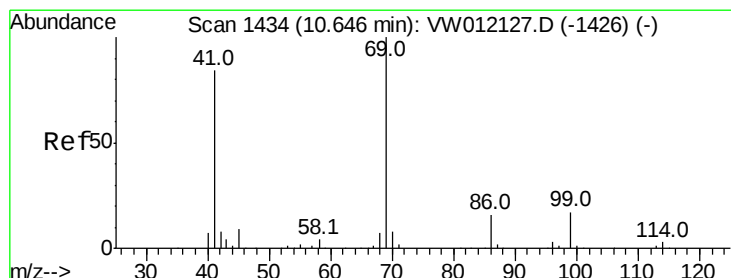
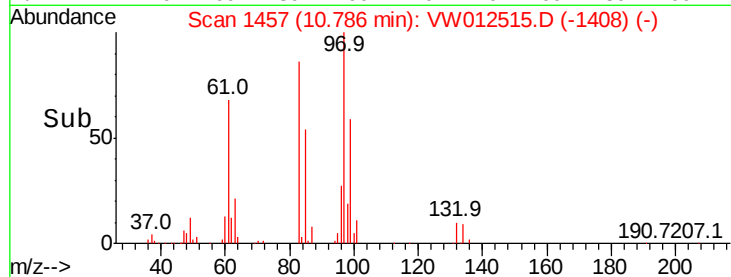
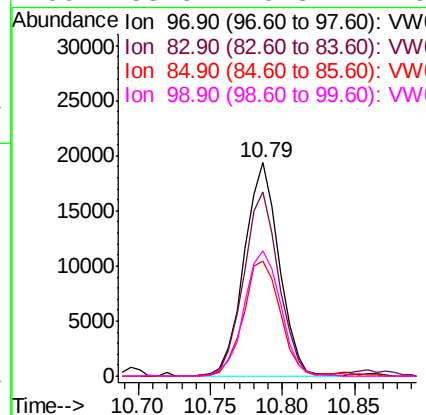
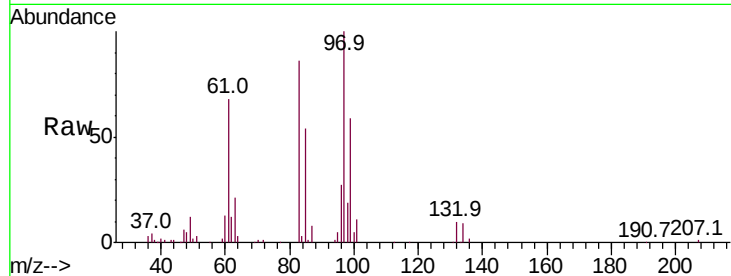
#55
 1,1,2-Trichloroethane
 Concen: 22.056 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD02

Tot Ion:	97	Resp:	32497
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.8	106.2
85	54.2	43.8	65.8
99	58.6	49.8	74.6

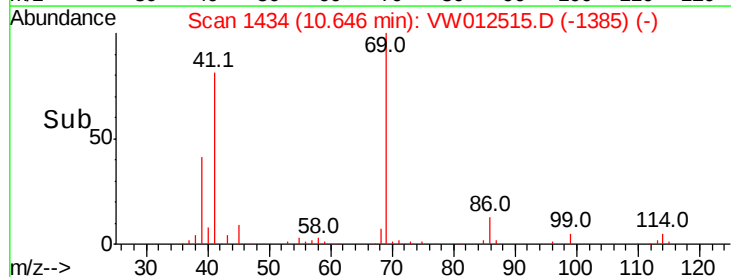
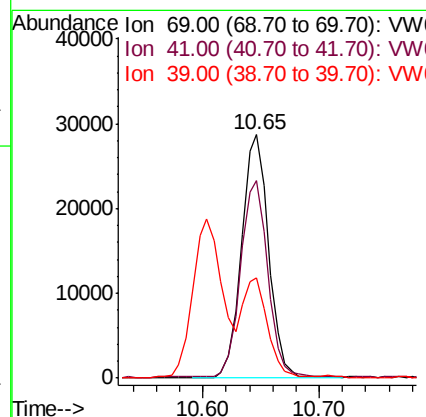
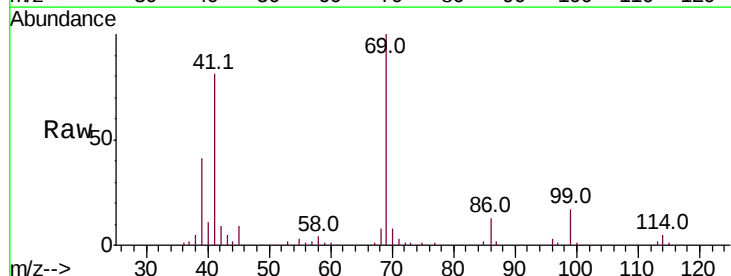
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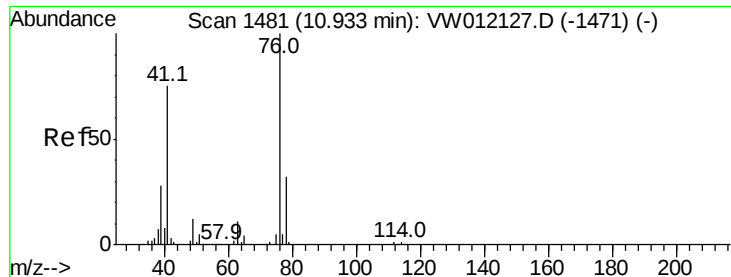
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#56
 Ethyl methacrylate
 Concen: 21.777 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion:	69	Resp:	46697
Ion	Ratio	Lower	Upper
69	100		
41	81.4	66.5	99.7
39	36.9	31.0	46.4





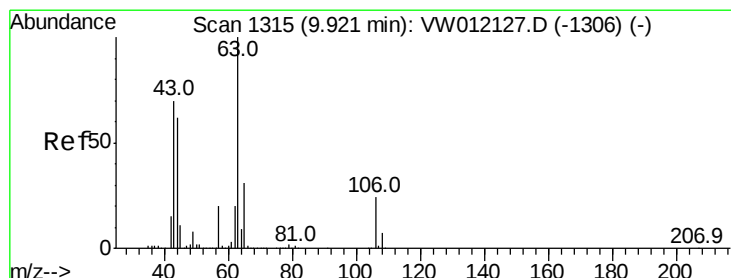
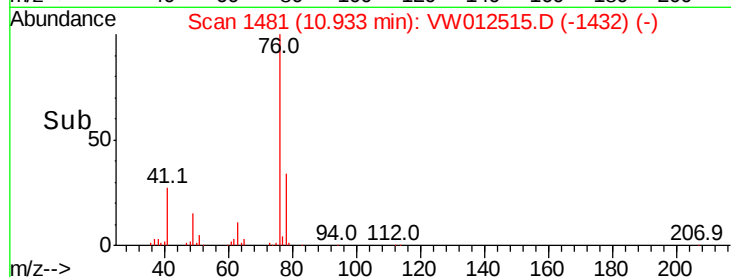
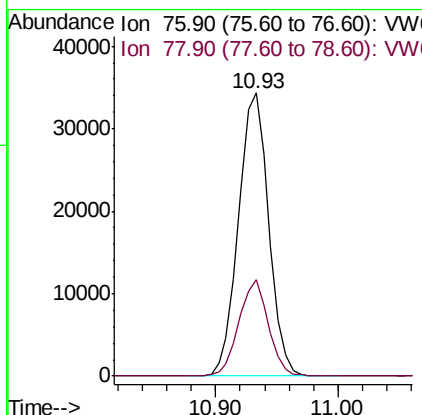
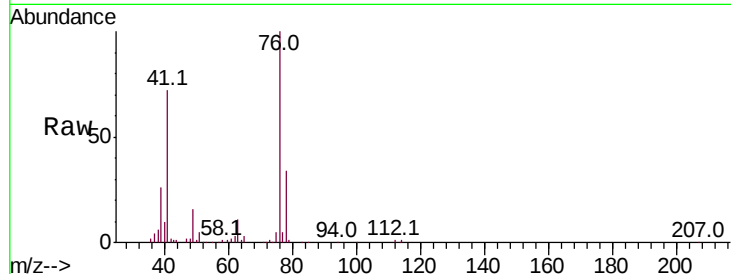
#57
 1,3-Dichloropropane
 Concen: 21.129 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Tot Ion: 76 Resp: 58830
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.8 38.8

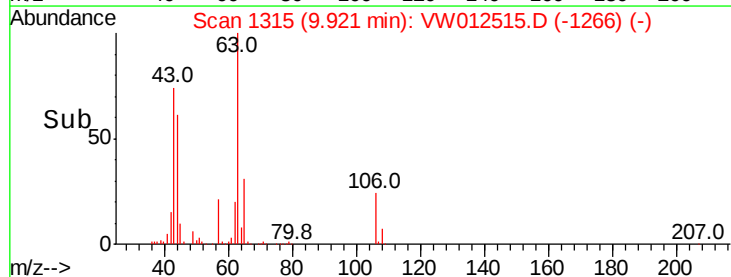
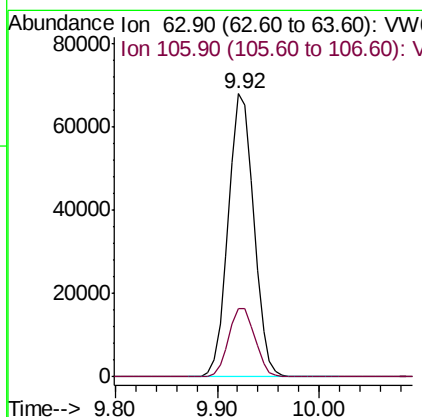
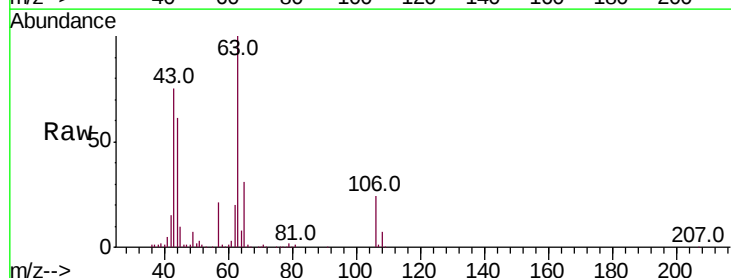
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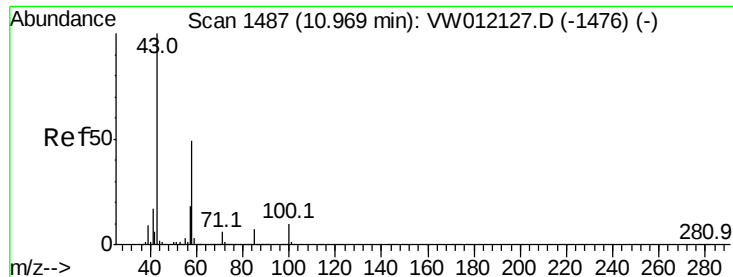
MMDadoda
 9/3/2019 10:56:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.160 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion: 63 Resp: 117934
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8





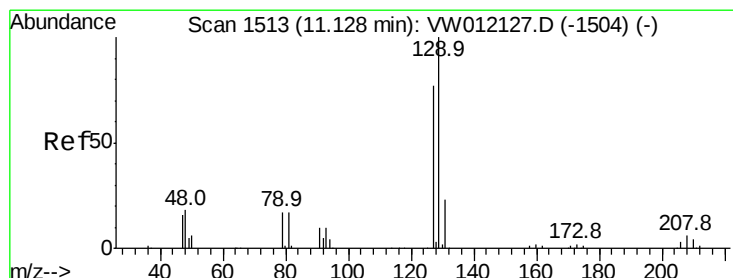
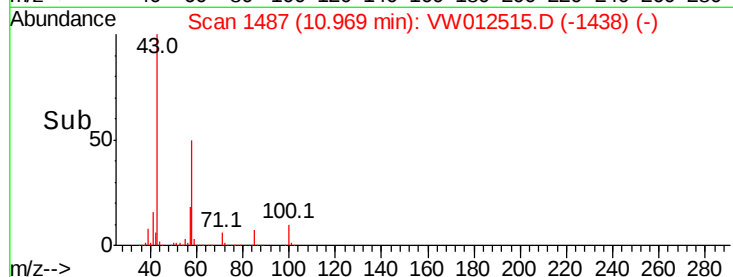
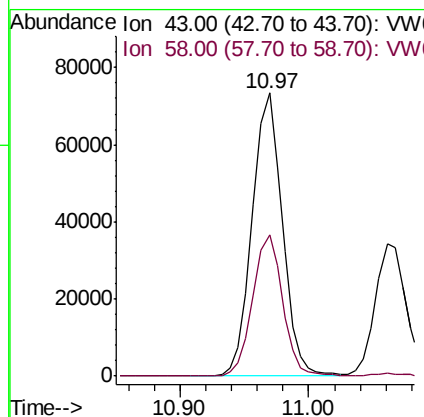
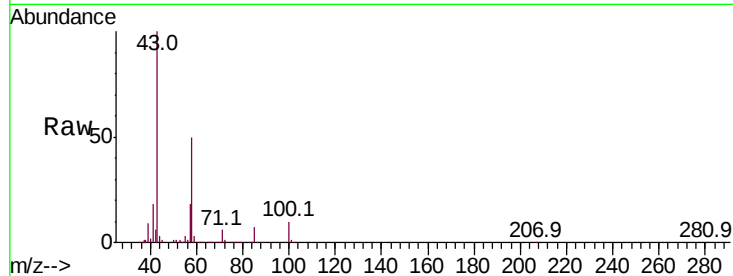
#59
2-Hexanone
Concen: 101.879 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.3	72.9

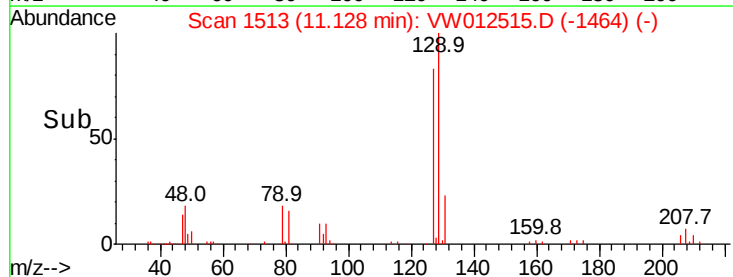
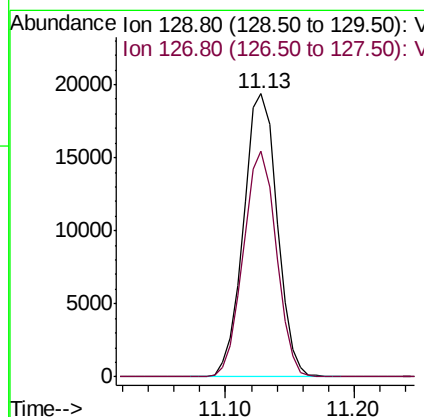
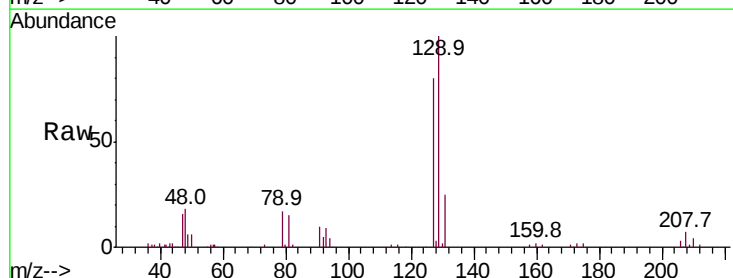
Manual Integrations
APPROVED

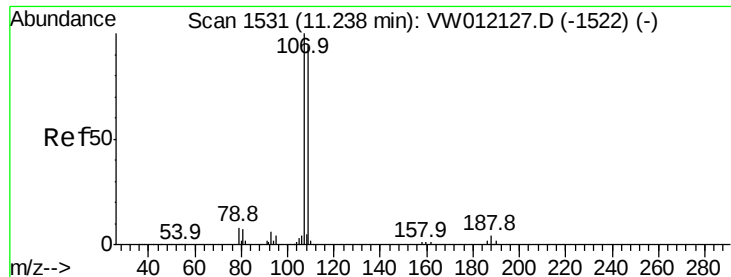
MMDadoda
9/3/2019 10:56:03 AM



#60
Dibromochloromethane
Concen: 21.280 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.6	115.8





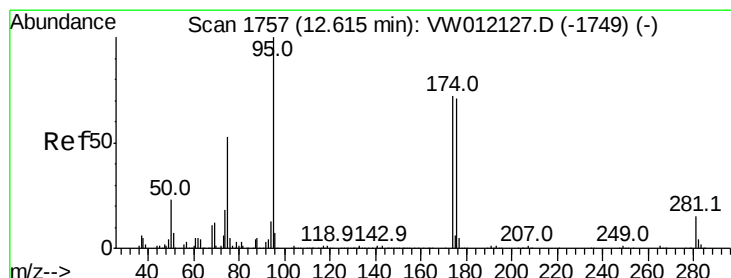
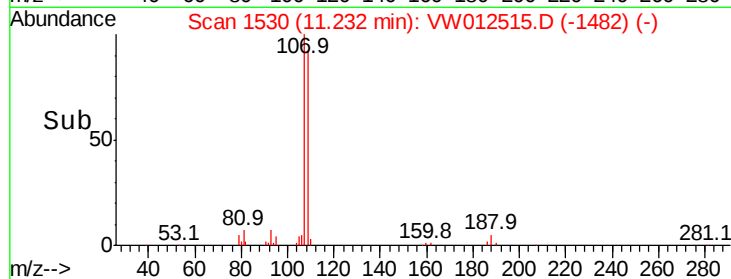
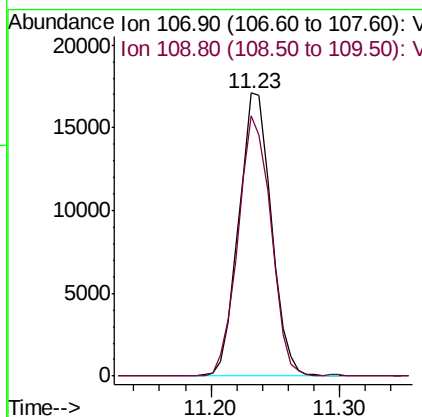
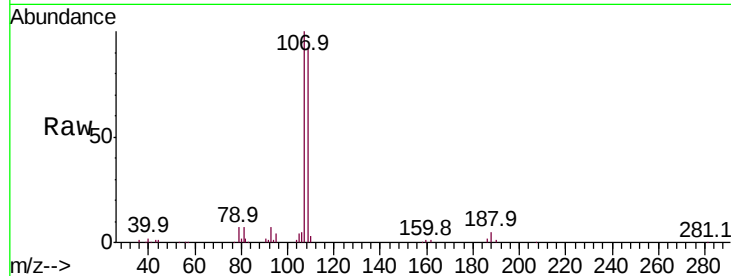
#61
 1,2-Dibromoethane
 Concen: 21.840 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.4	113.2

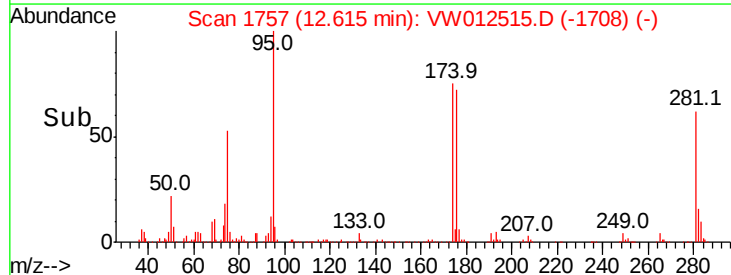
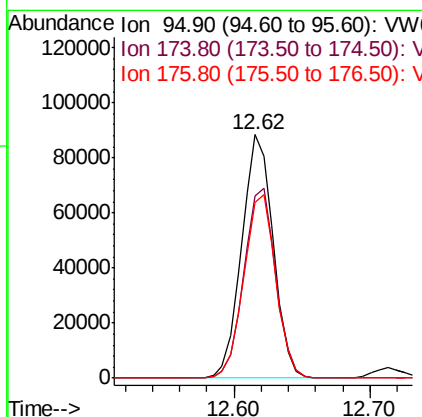
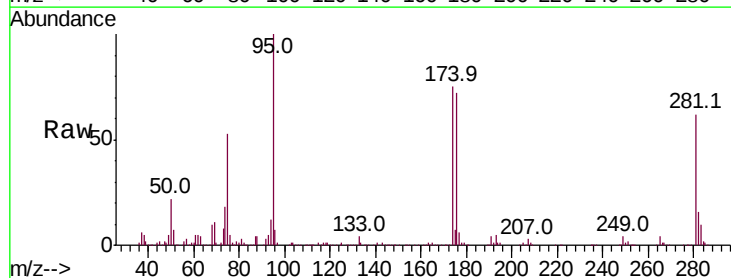
Manual Integrations
 APPROVED

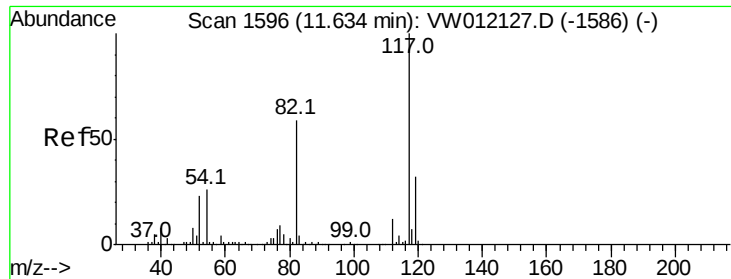
MMDadoda
 9/3/2019 10:56:03 AM



#62
 4-Bromofluorobenzene
 Concen: 54.342 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	150.8
176	76.7	0.0	148.6





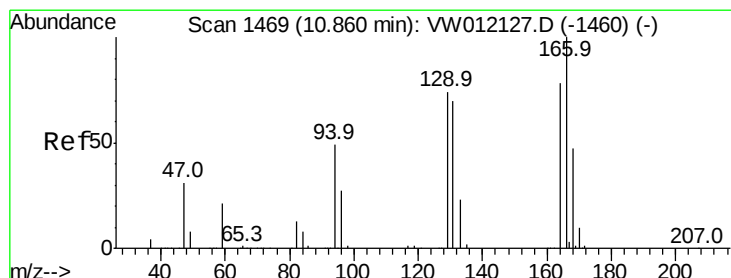
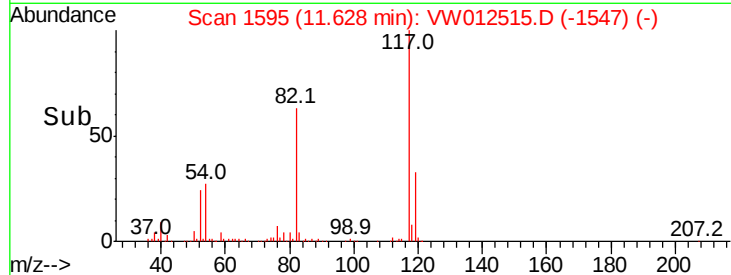
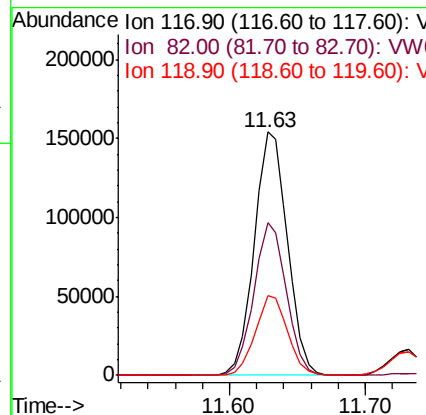
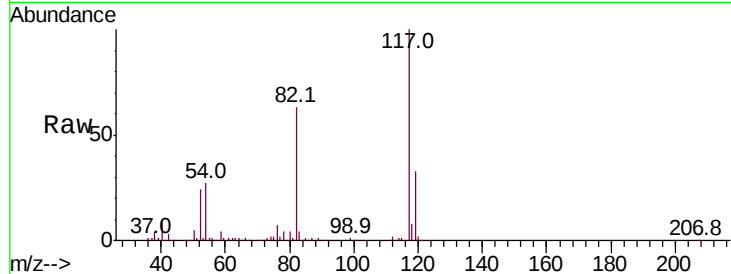
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262698		
82	62.9		47.4	71.2
119	32.6		25.4	38.2

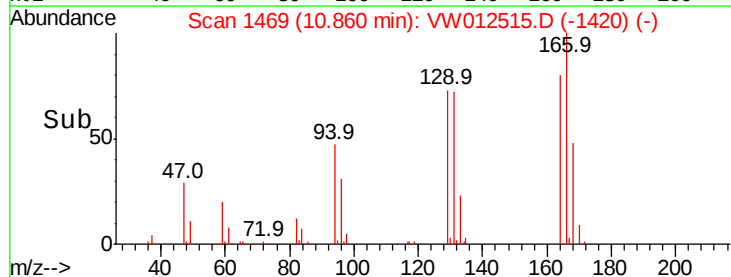
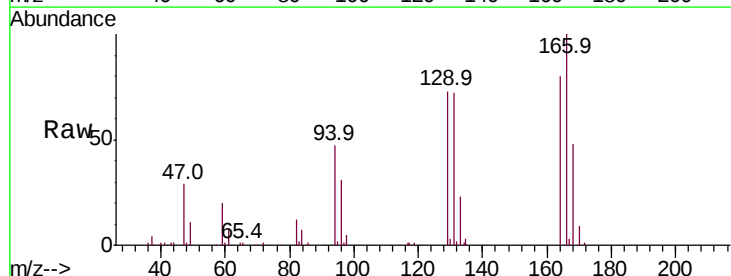
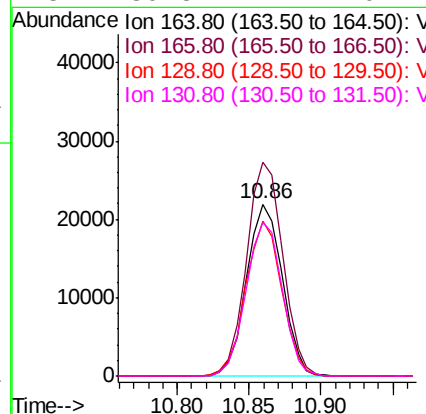
Manual Integrations
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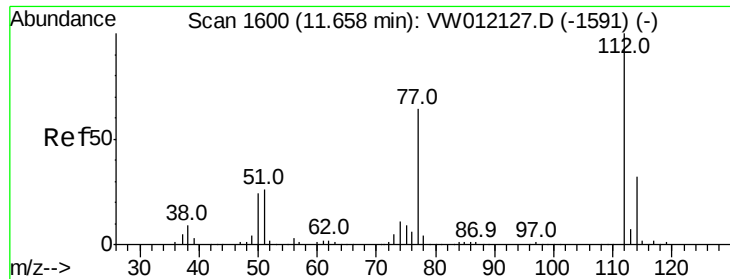
MMDadoda
9/3/2019 10:56:03 AM



#64
Tetrachloroethene
Concen: 22.201 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37812		
166	124.5		102.4	153.6
129	90.3		75.8	113.6
131	89.8		71.4	107.2





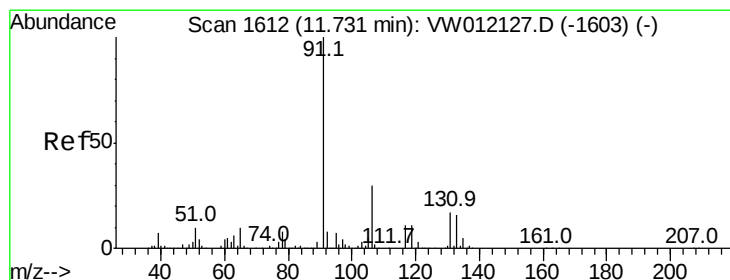
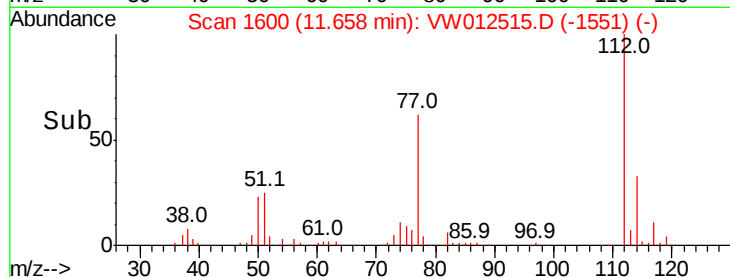
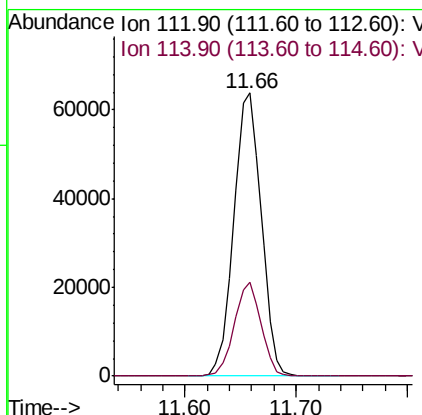
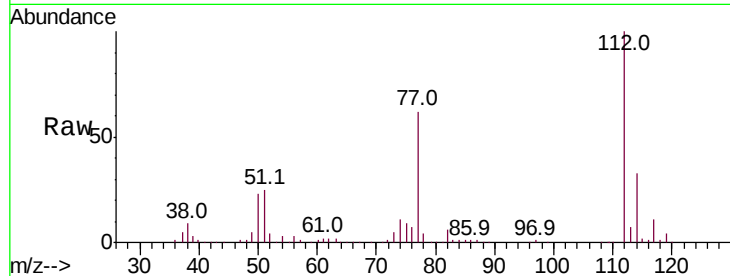
#65
Chlorobenzene
Concen: 21.085 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.8	38.6

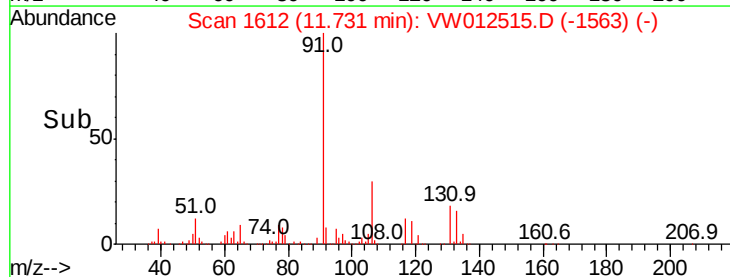
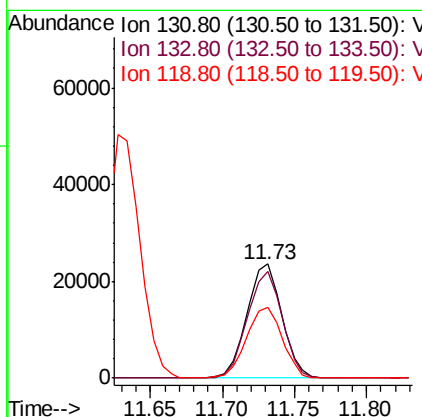
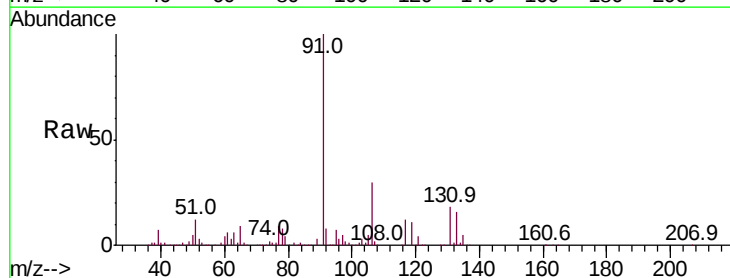
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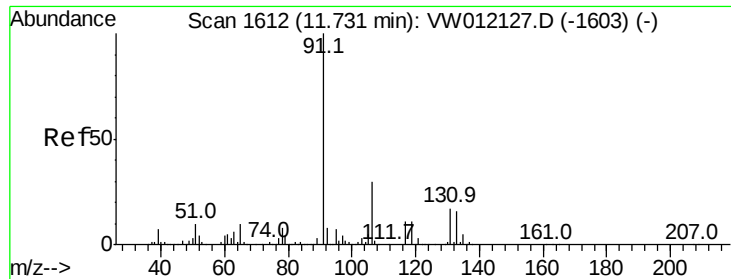
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.811 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.1	141.3
119	64.3	31.8	95.3





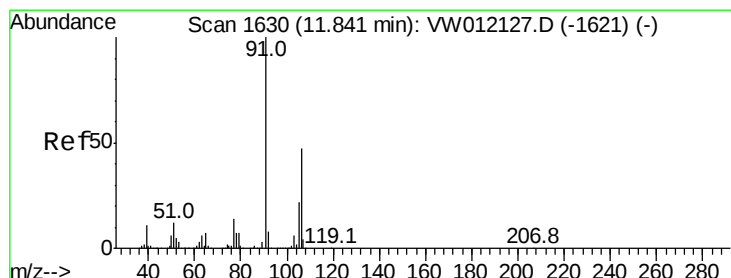
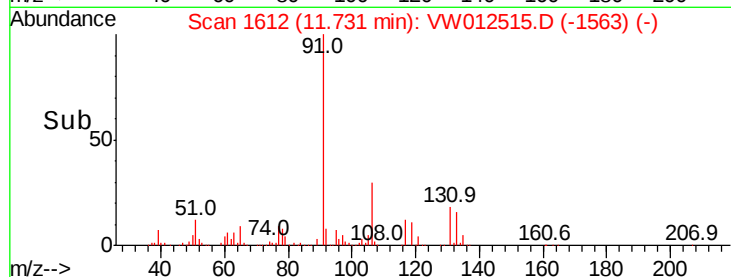
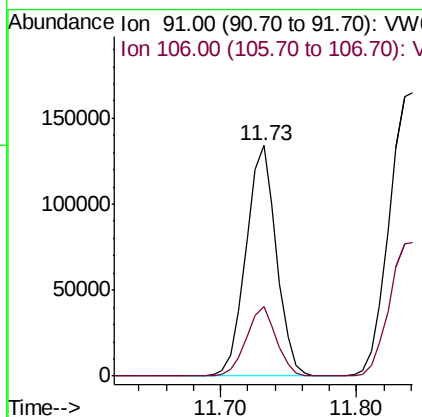
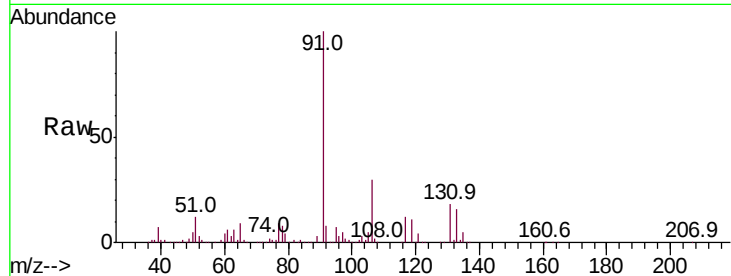
#67
Ethyl Benzene
Concen: 21.051 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampled :
VW0902SBSD02

Tot Ion: 91 Resp: 209757
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5

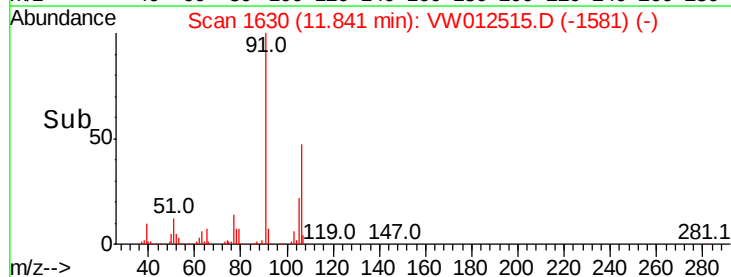
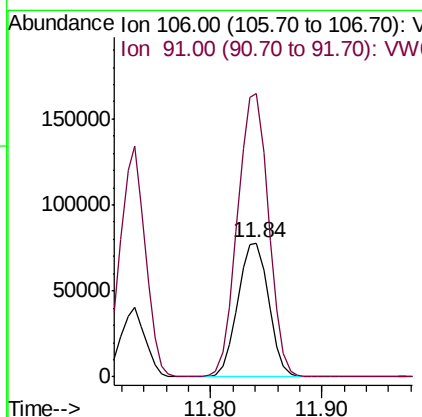
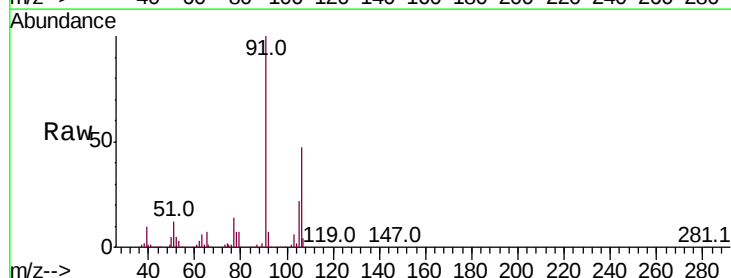
Manual Integrations
APPROVED

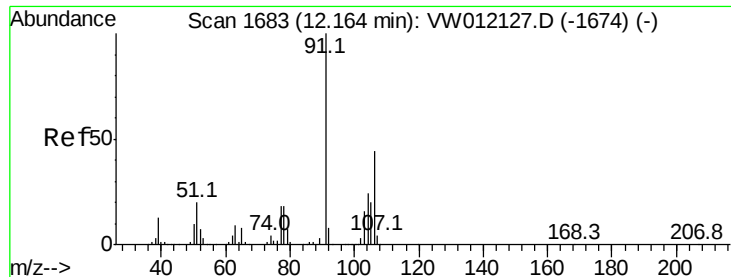
MMDadoda
9/3/2019 10:56:03 AM



#68
m/p-Xylenes
Concen: 41.823 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion: 106 Resp: 150116
Ion Ratio Lower Upper
106 100
91 212.1 169.5 254.3





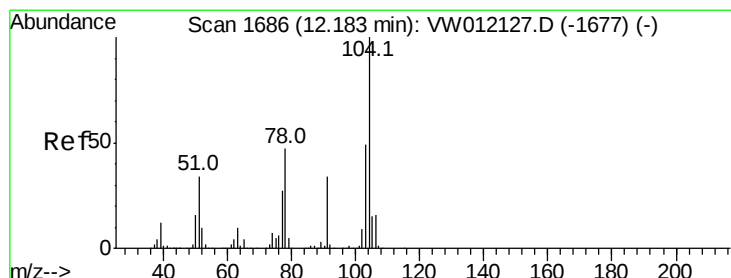
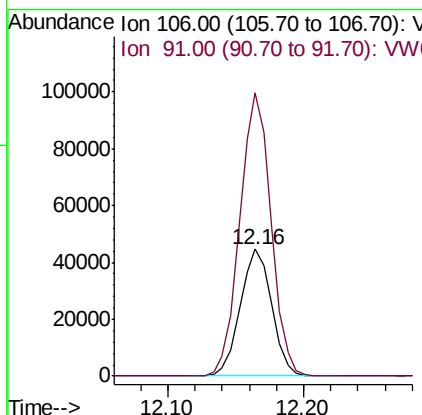
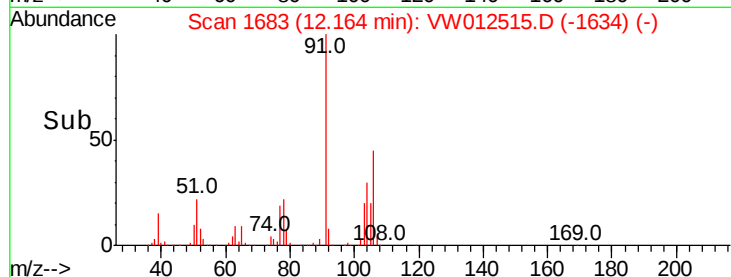
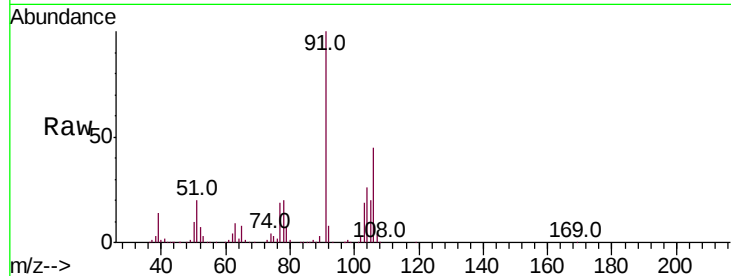
#69
o-Xylene
Concen: 21.663 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion:106 Resp: 71966
Ion Ratio Lower Upper
106 100
91 221.4 111.6 334.6

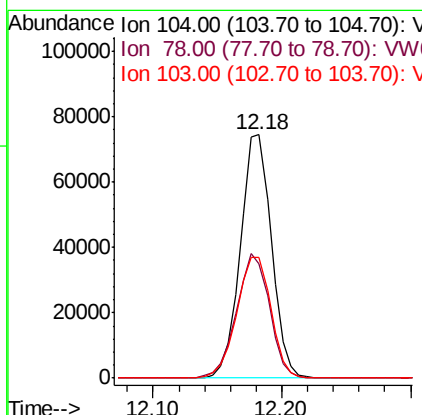
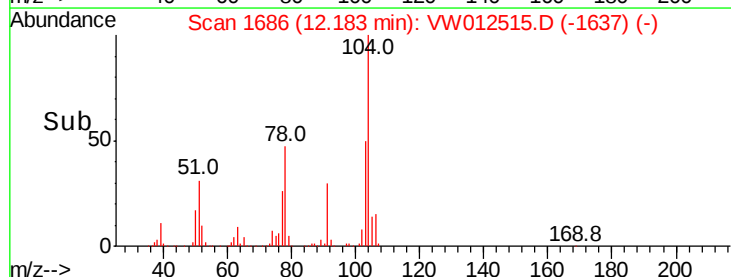
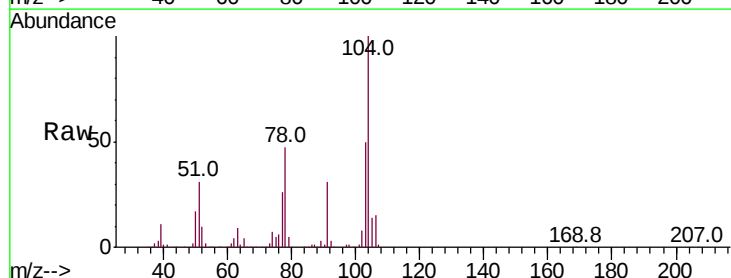
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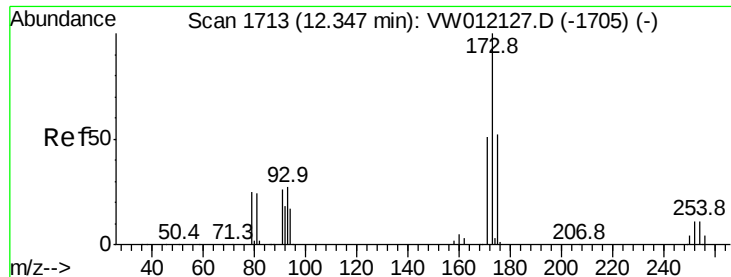
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#70
Styrene
Concen: 21.598 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion:104 Resp: 124190
Ion Ratio Lower Upper
104 100
78 54.3 43.1 64.7
103 54.9 43.5 65.3





#71

Bromoform

Concen: 22.523 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD02

Tot Ion:173 Resp: 20250

Ion Ratio Lower Upper

173 100

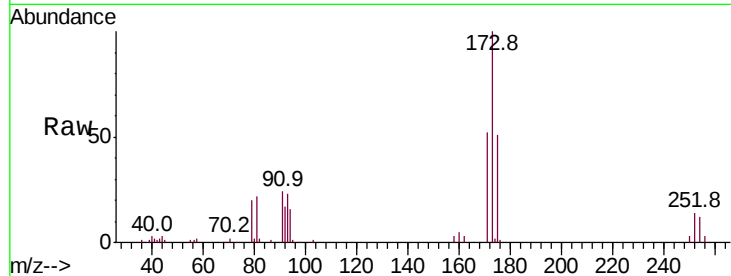
175 49.7 24.6 74.0

254 0.0 0.2 0.2#

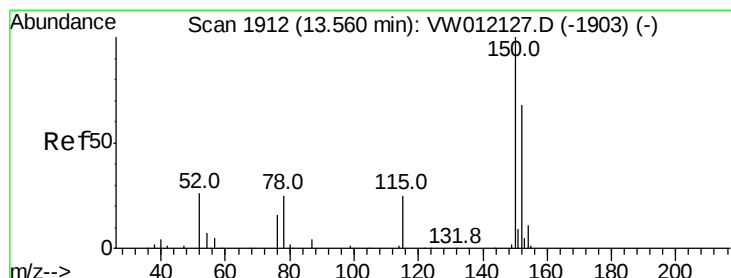
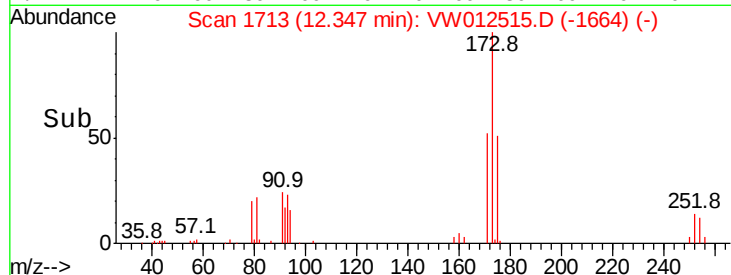
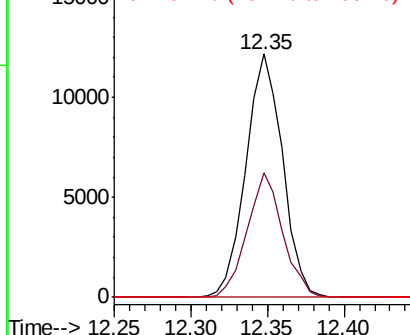
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

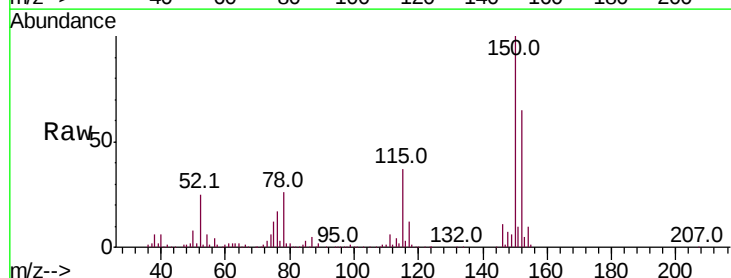
Tgt Ion:152 Resp: 130780

Ion Ratio Lower Upper

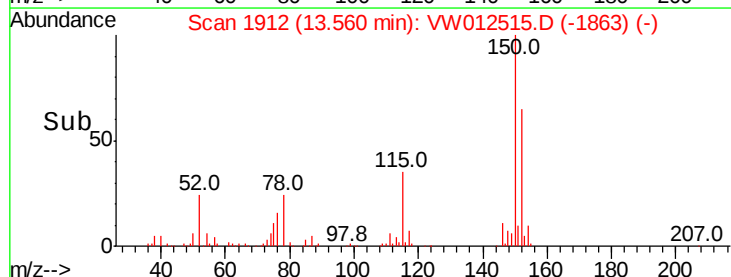
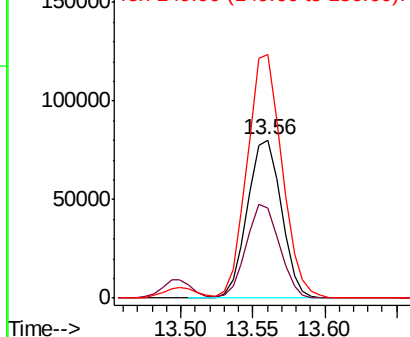
152 100

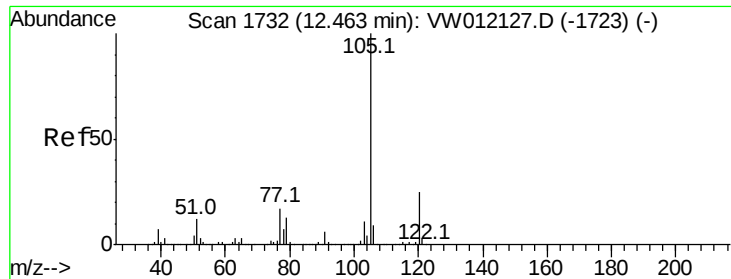
115 58.4 30.1 90.3

150 158.5 0.0 345.8



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





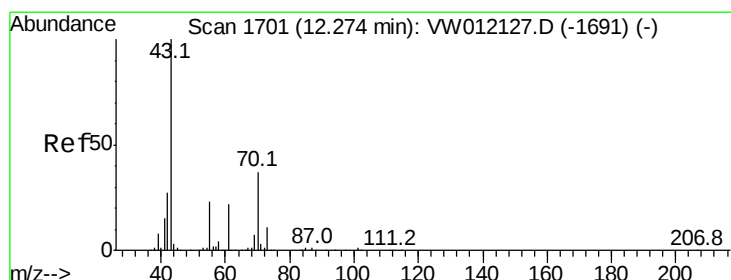
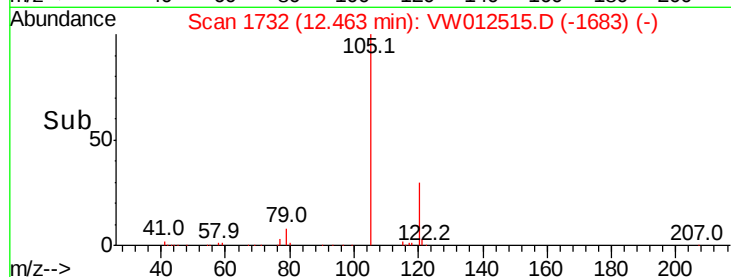
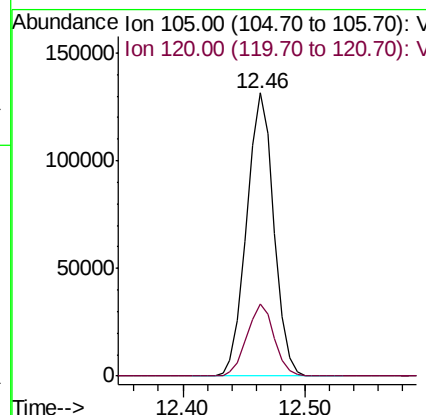
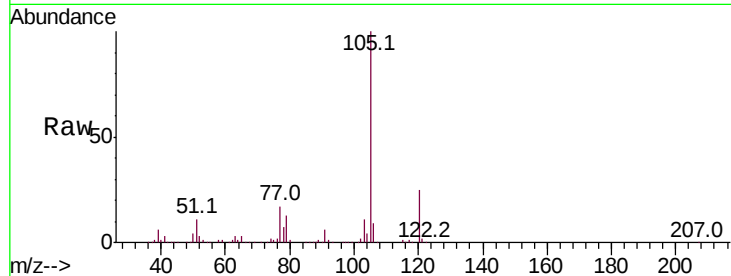
#73
Isopropylbenzene
Concen: 20.688 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.5	37.5

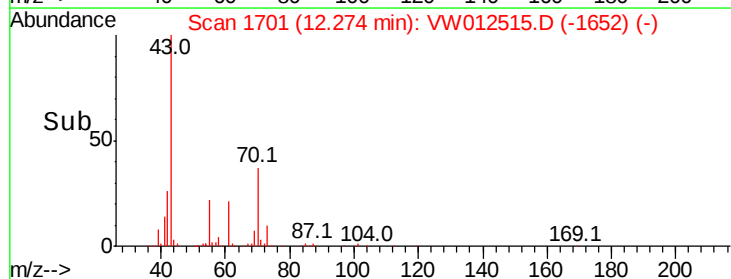
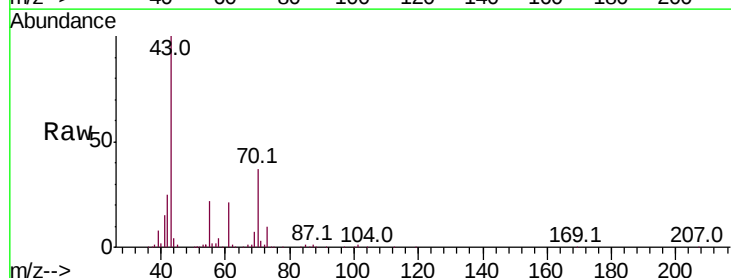
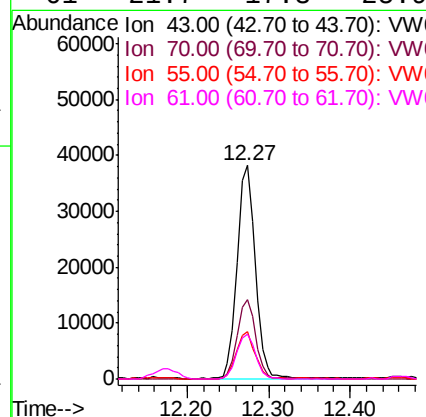
Manual Integrations
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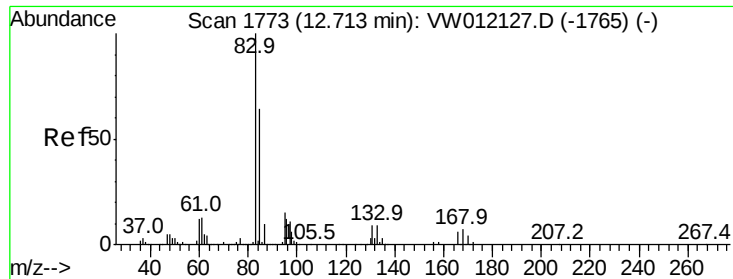
MMDadoda
9/3/2019 10:56:03 AM



#74
N-ethyl acetate
Concen: 19.675 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.5	28.6	43.0
55	23.0	17.8	26.6
61	21.7	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.465 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

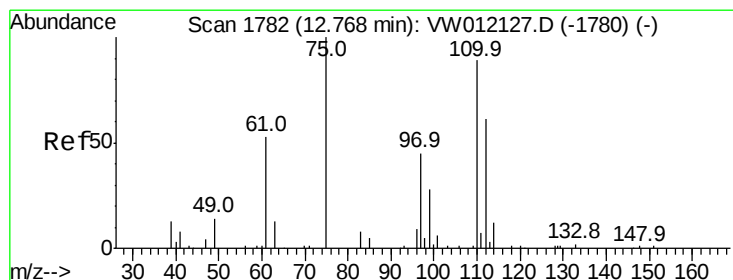
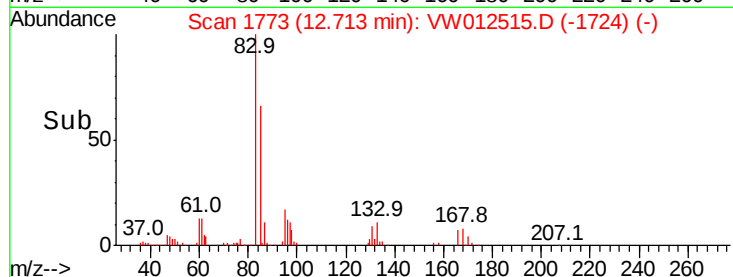
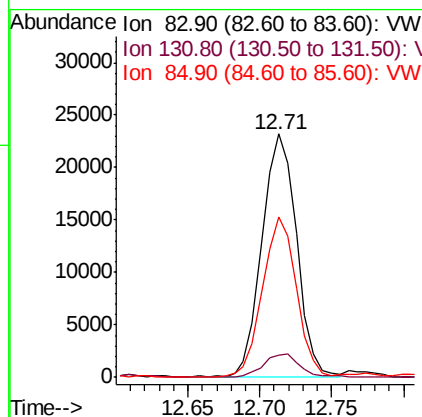
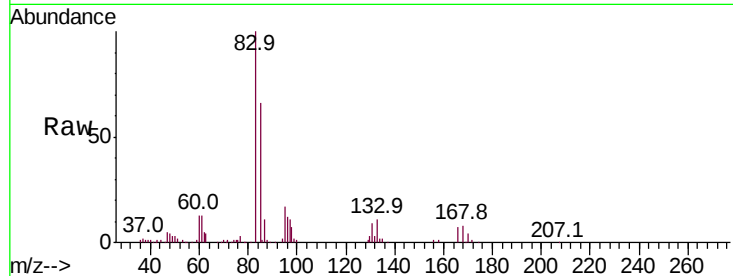
ClientSampleId :

VW0902SBSD02

Tot Ion:	83	Resp:	38562
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	65.2	31.9	95.7

Manual Integrations
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9/3/2019 10:56:03 AM



#76

1,2,3-Trichloropropane

Concen: 20.271 ug/l m

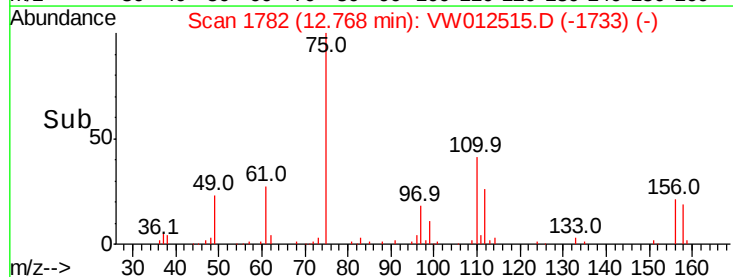
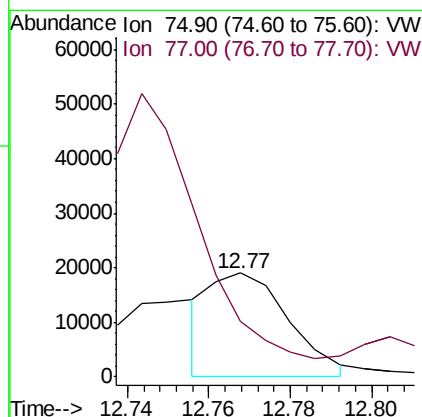
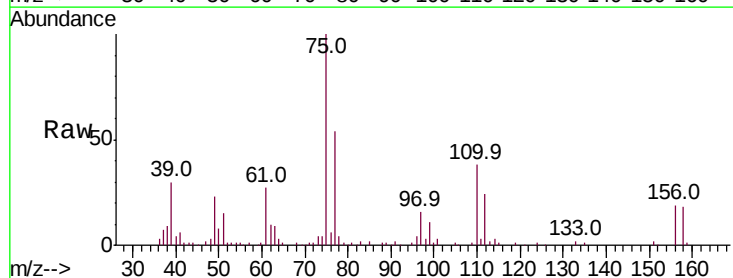
RT: 12.77 min Scan# 1782

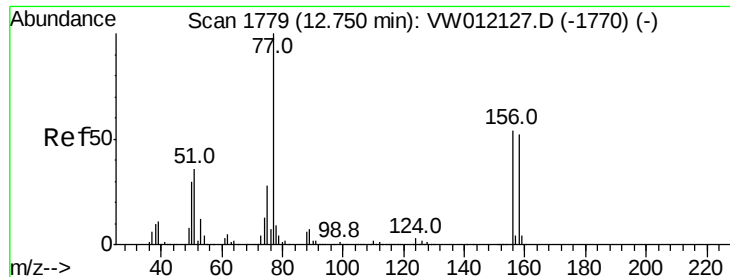
Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Tgt Ion:	75	Resp:	25819
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





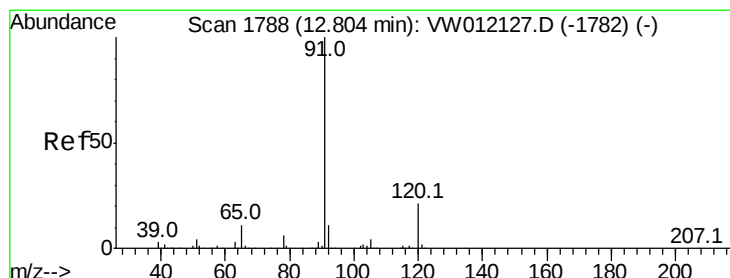
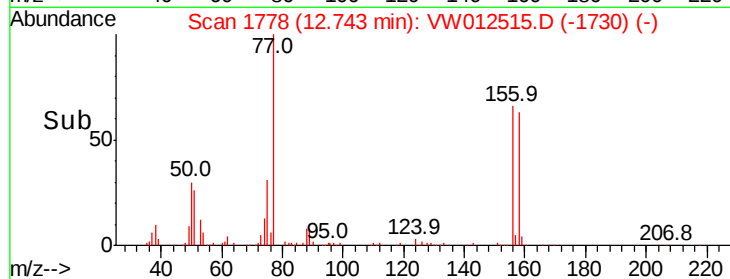
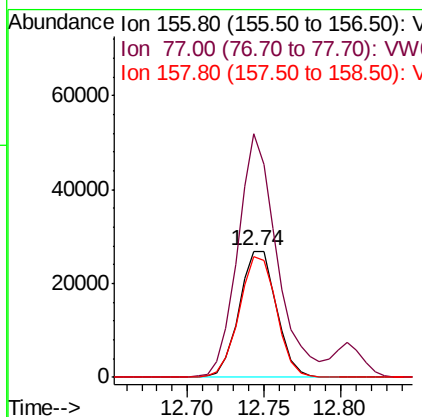
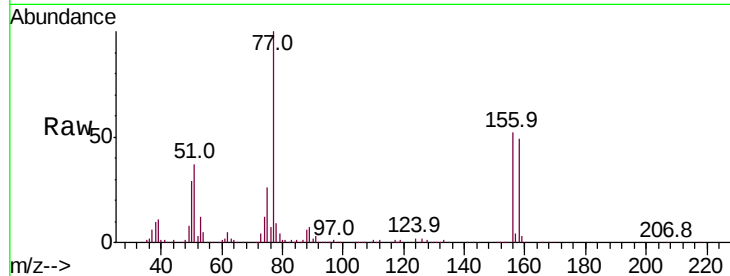
#77
Bromobenzene
Concen: 21.452 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	202.8	107.3	321.8
158	95.4	49.0	147.0

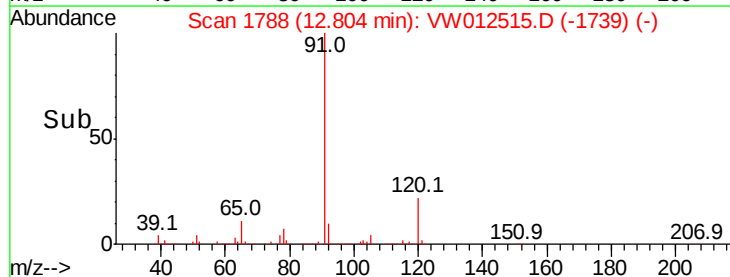
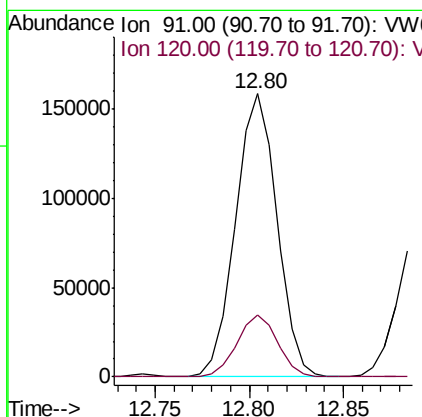
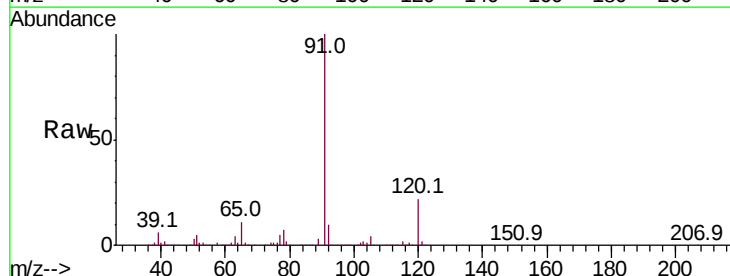
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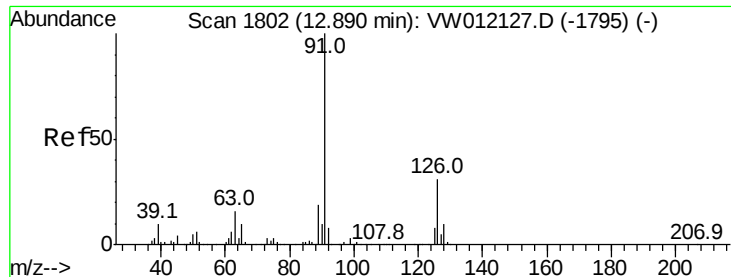
MMDadoda
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#78
n-propylbenzene
Concen: 20.167 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.5	31.6





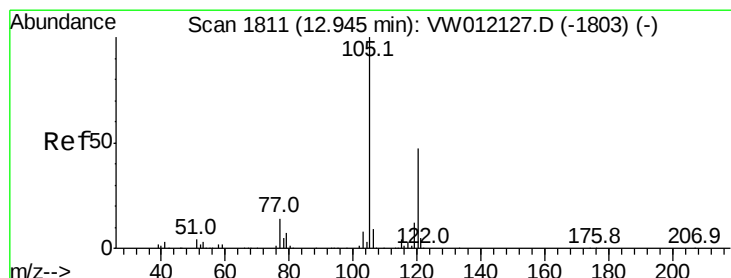
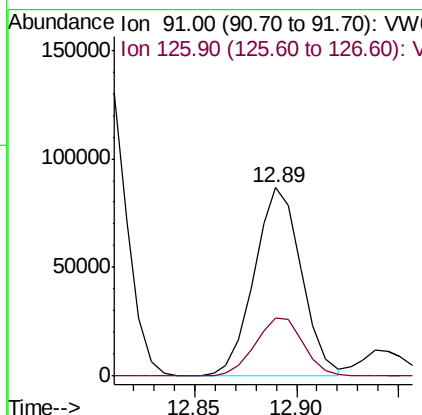
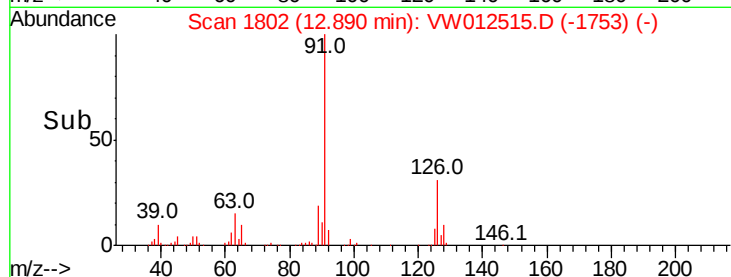
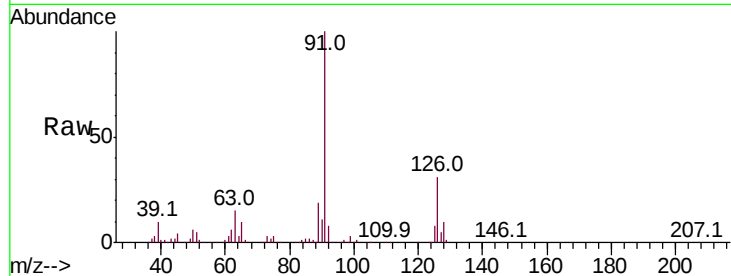
#79
 2-Chlorotoluene
 Concen: 20.522 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.0

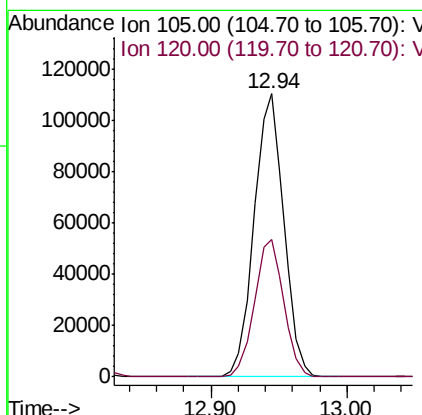
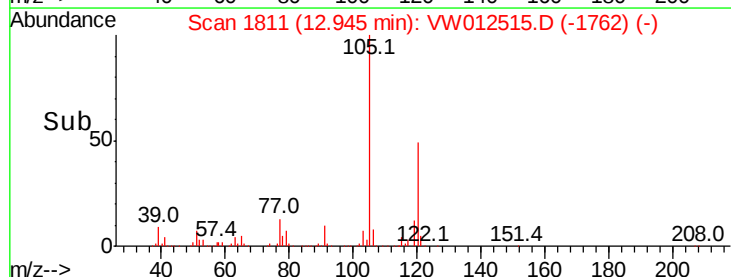
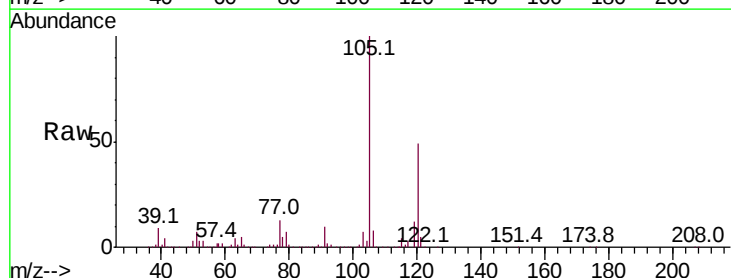
Manual Integrations
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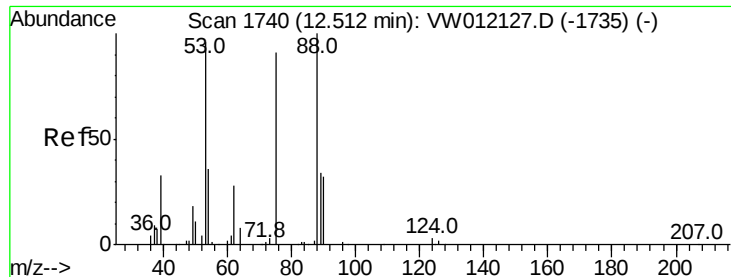
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.677 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.135 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

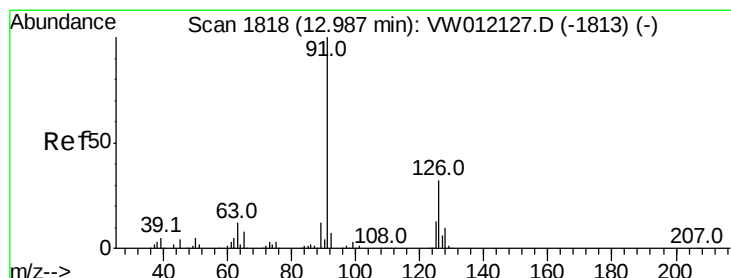
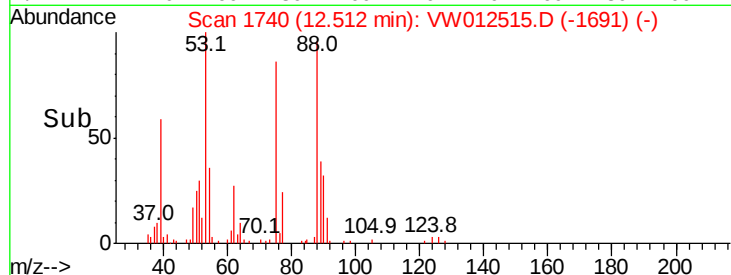
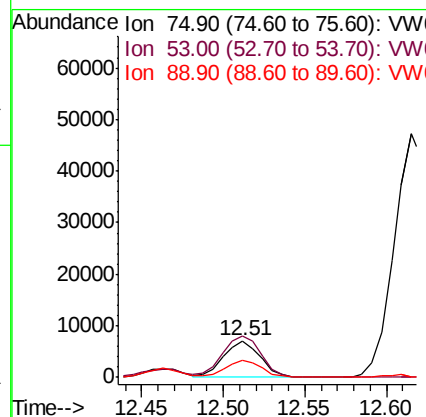
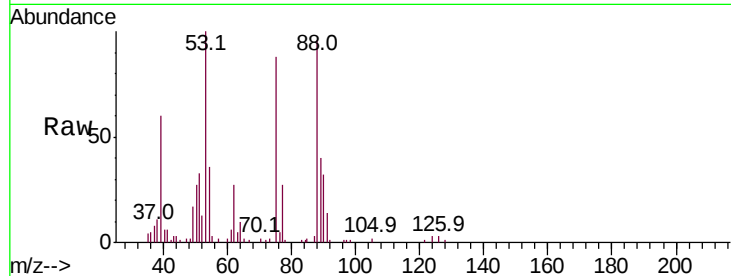
ClientSampleId :

VW0902SBSD02

Tot Ion:	75	Resp:	11116
Ion	Ratio	Lower	Upper
75	100		
53	120.1	89.4	134.0
89	44.8	34.5	51.7

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#82

4-Chlorotoluene

Concen: 20.324 ug/l

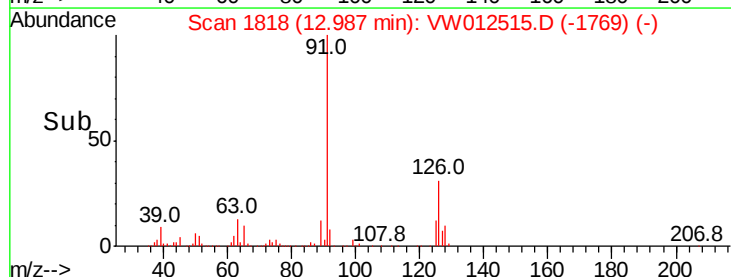
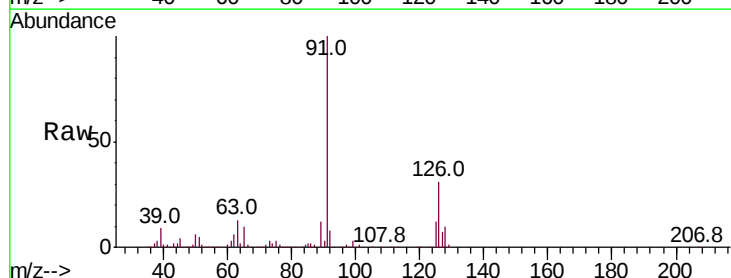
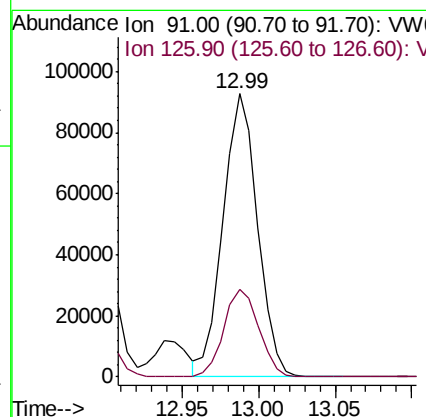
RT: 12.99 min Scan# 1818

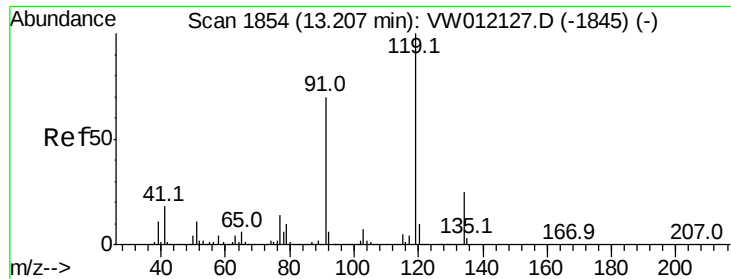
Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Tgt Ion:	91	Resp:	144543
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.6	46.8





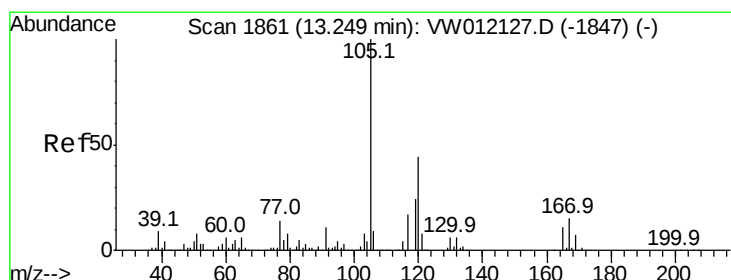
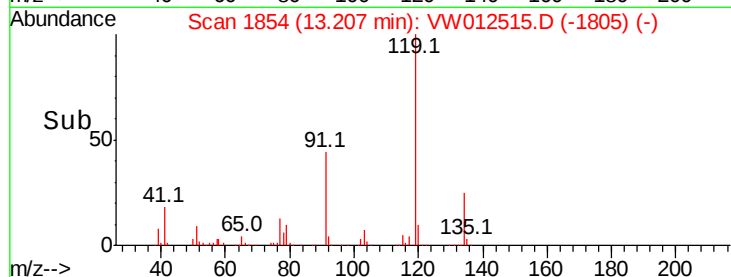
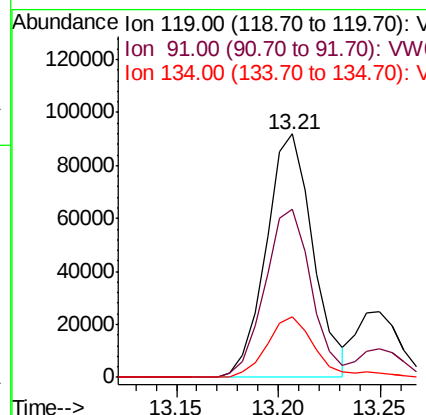
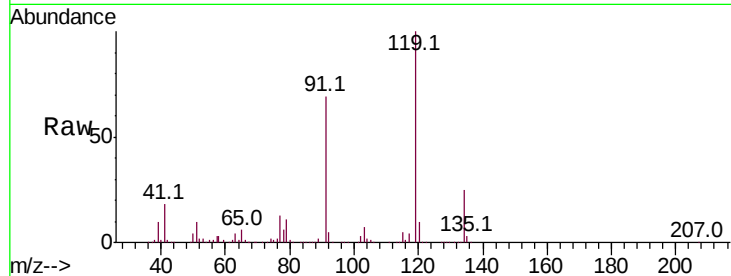
#83
tert-Butylbenzene
Concen: 21.220 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampled :
VW0902SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	147190		
91	68.2	34.8	104.3	
134	26.2	13.3	39.8	

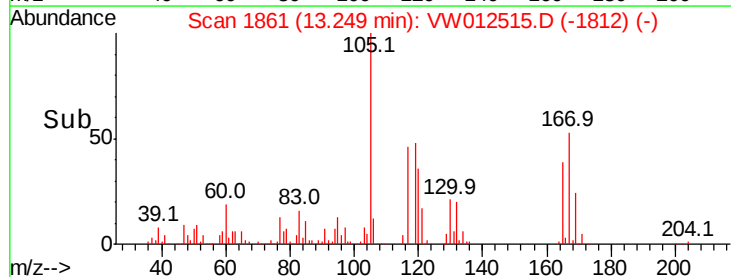
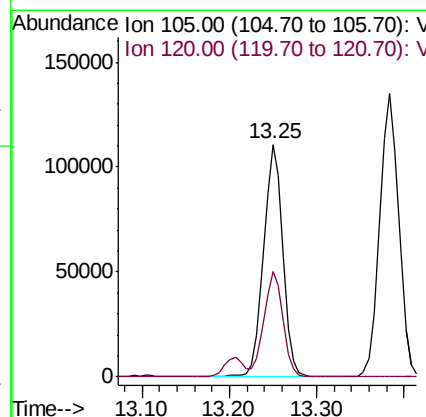
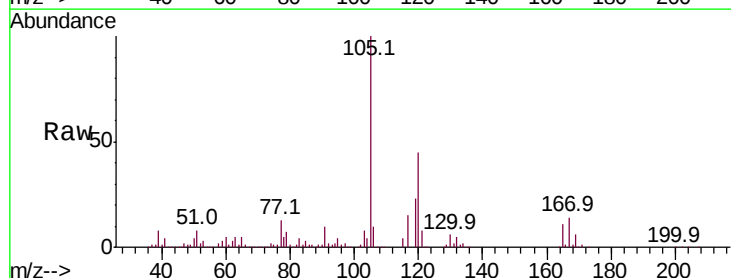
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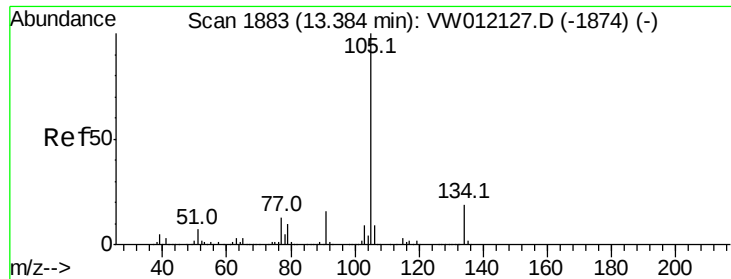
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#84
1,2,4-Trimethylbenzene
Concen: 20.636 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	169742		
120	44.2	21.9	65.7	





#85

sec-Butylbenzene

Concen: 20.608 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD02

Tot Ion:105 Resp: 204788

Ion Ratio Lower Upper

105 100

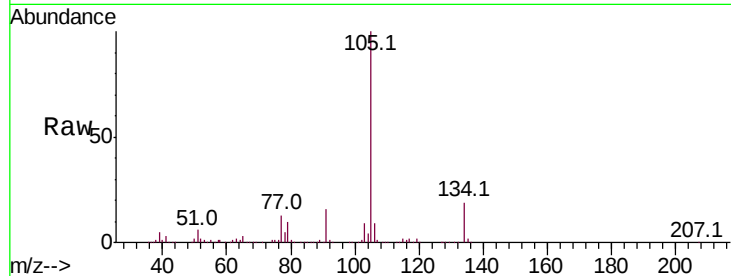
134 19.3 9.8 29.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

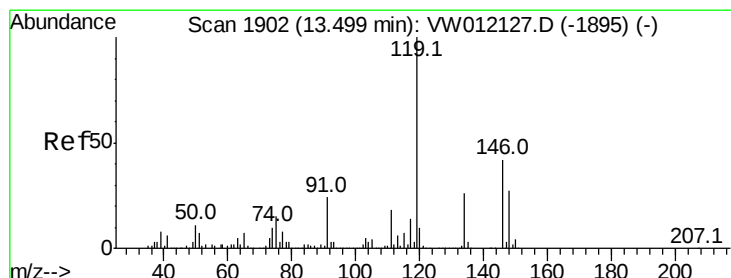
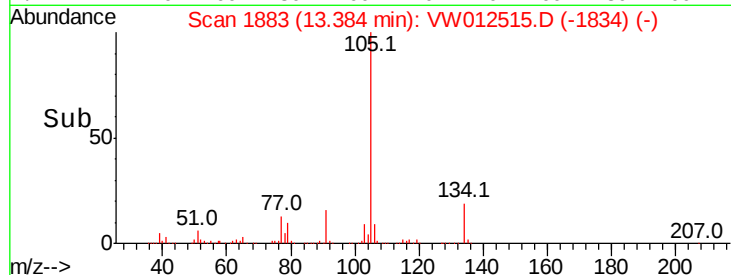
100000

50000

0

13.30 13.40

Time-->



#86

p-Isopropyltoluene

Concen: 20.634 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

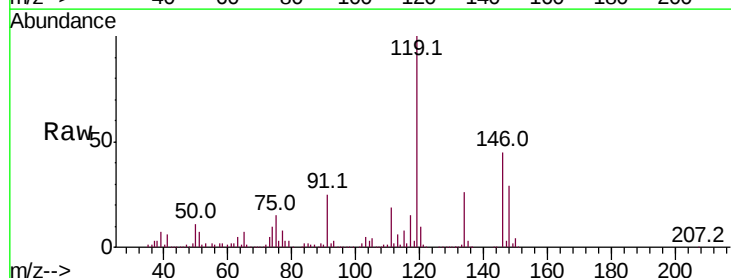
Tgt Ion:119 Resp: 183124

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.6 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

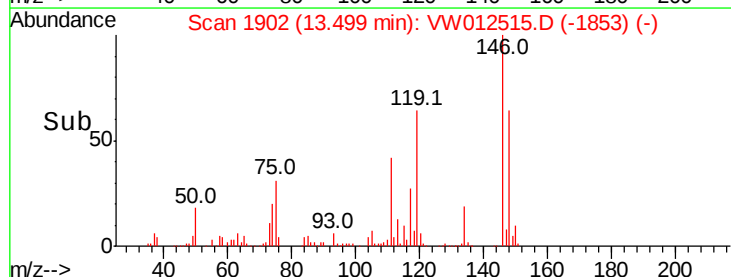
100000

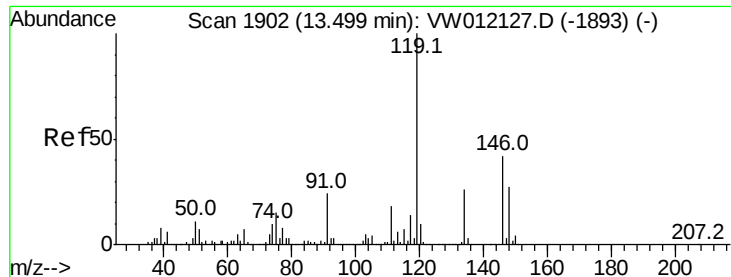
50000

0

13.45 13.50 13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.661 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

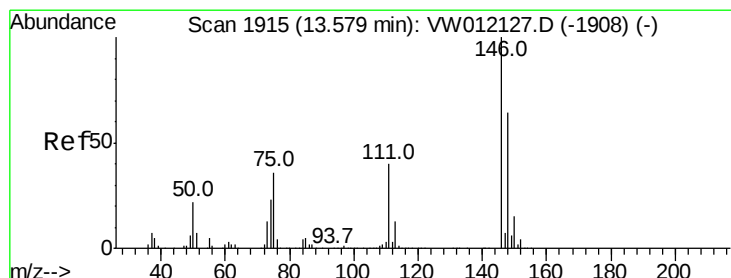
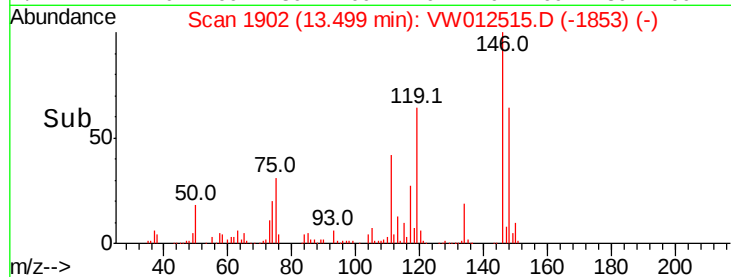
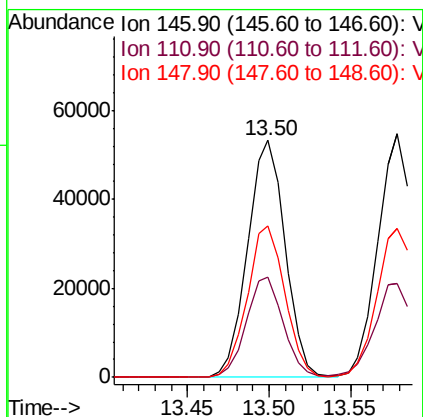
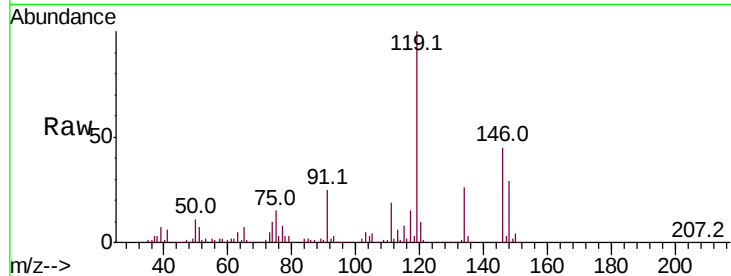
Instrument :
MSVOA_W

ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	64.0	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 20.860 ug/l

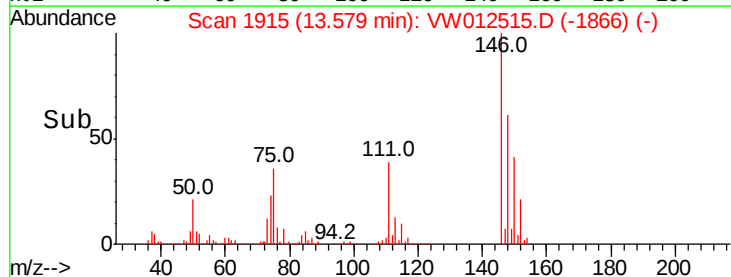
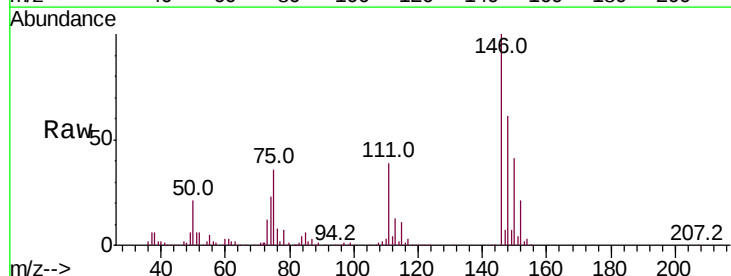
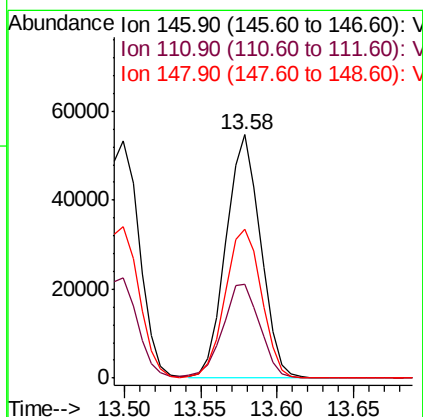
RT: 13.58 min Scan# 1915

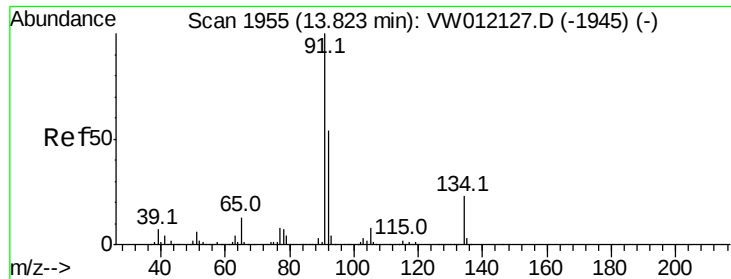
Delta R.T. 0.00 min

Lab File: VW012515.D

Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	60.0
148	64.2	32.1	96.3





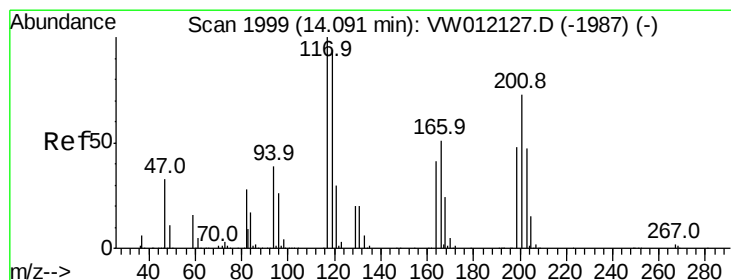
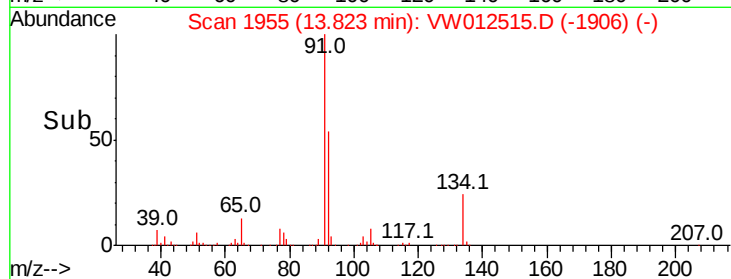
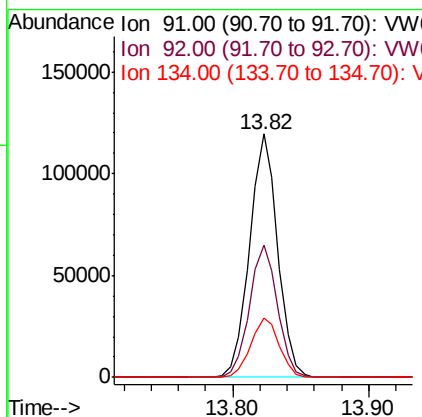
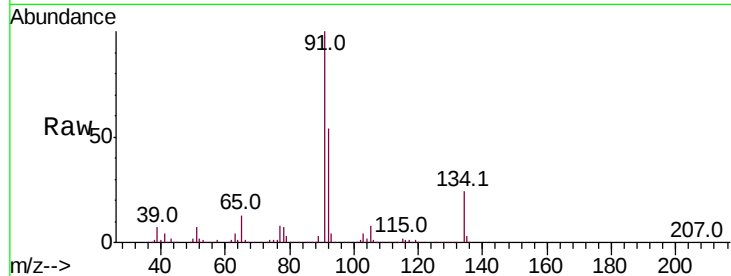
#89
n-Butylbenzene
Concen: 19.543 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	172473		
92	54.4		27.1	81.2
134	24.9		12.2	36.4

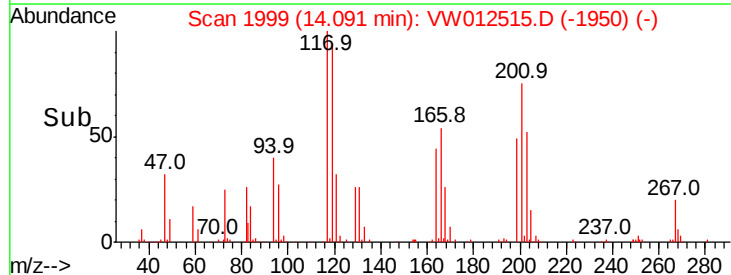
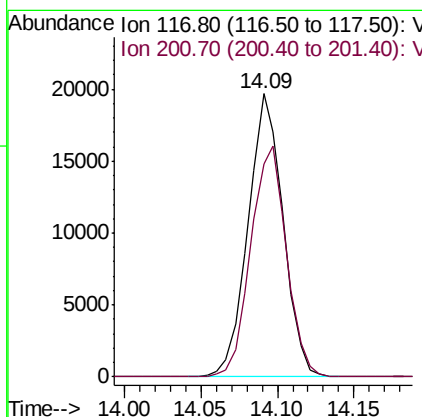
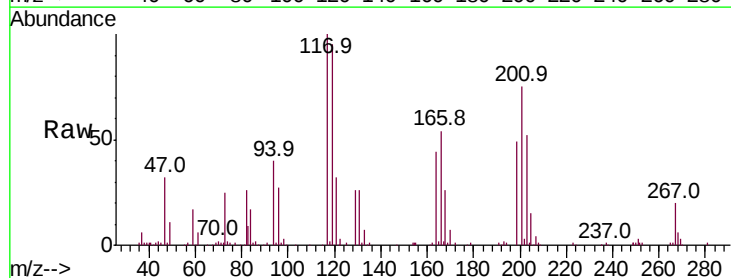
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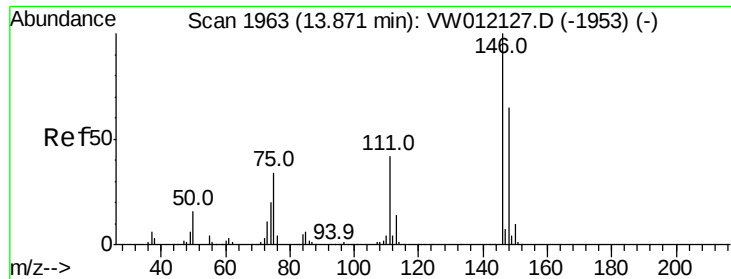
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#90
Hexachloroethane
Concen: 20.107 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31307		
201	83.0		38.6	115.7





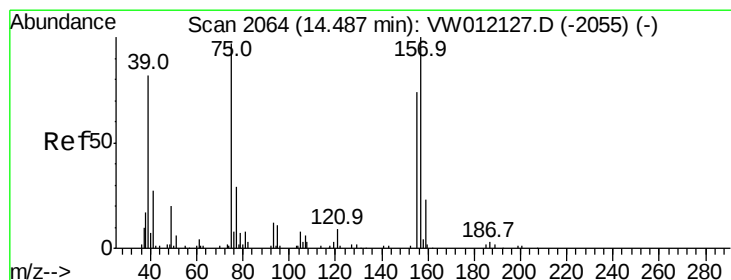
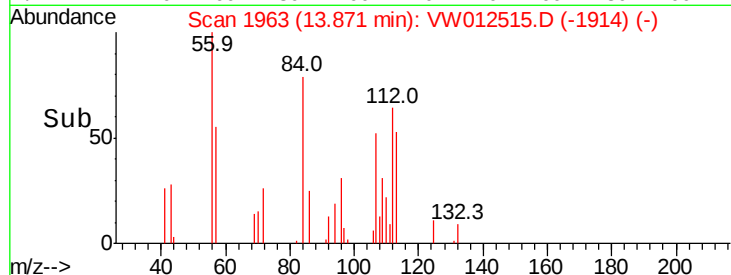
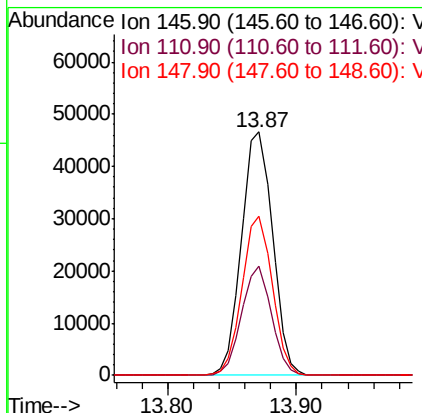
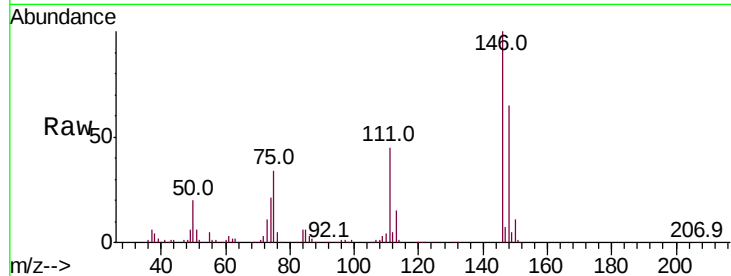
#91
 1,2-Dichlorobenzene
 Concen: 21.459 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.5	32.5	97.4

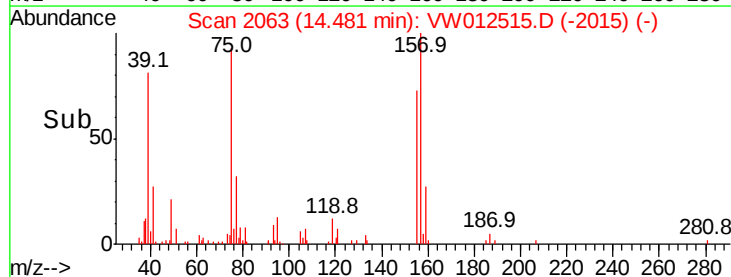
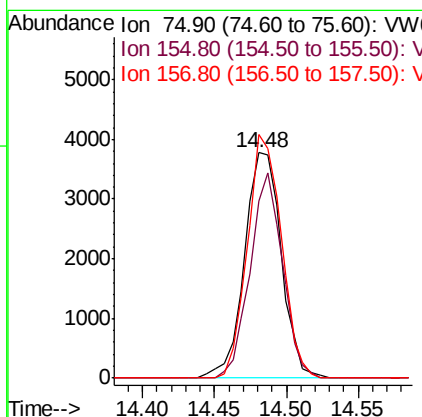
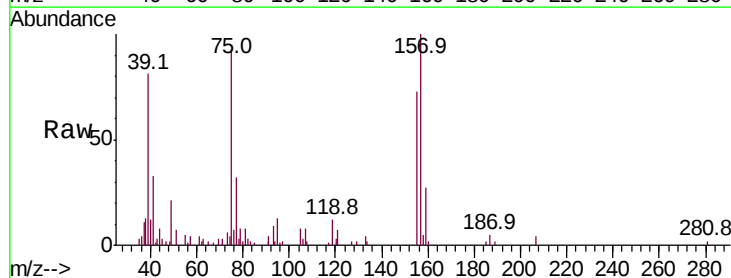
Manual Integrations
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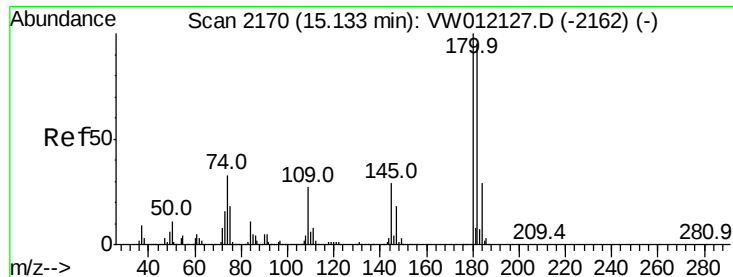
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.970 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	37.5	112.3
157	99.7	50.5	151.5





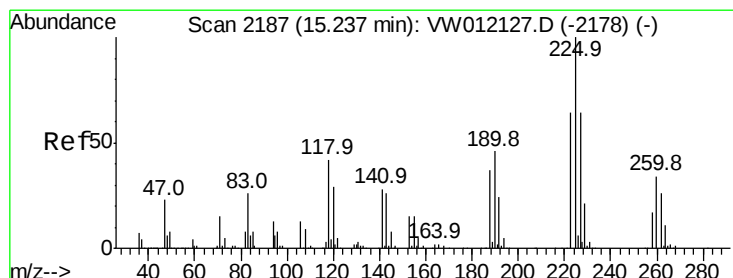
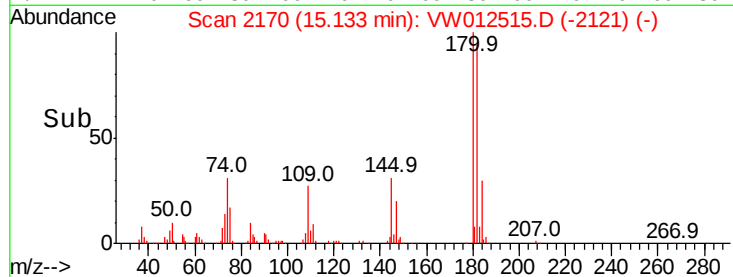
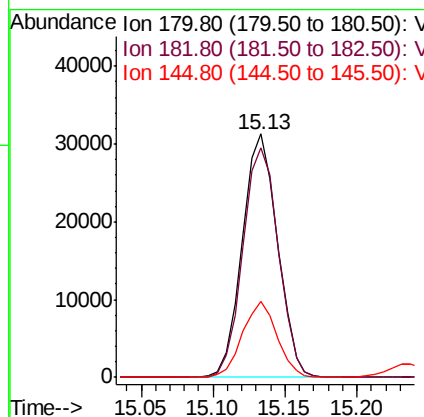
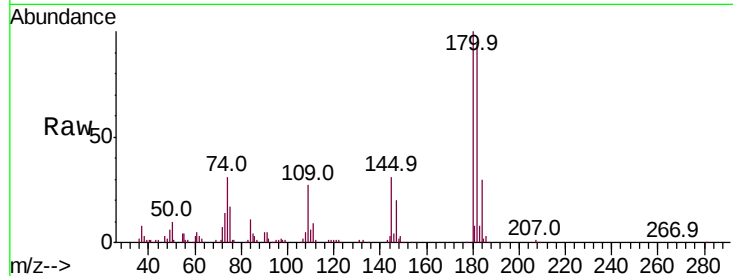
#93
 1,2,4-Trichlorobenzene
 Concen: 21.072 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.8	143.4	
145	30.5	15.0	45.1	

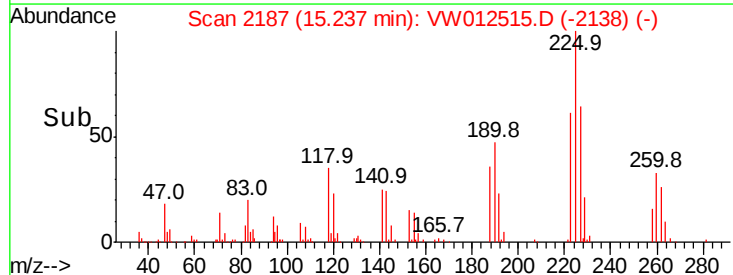
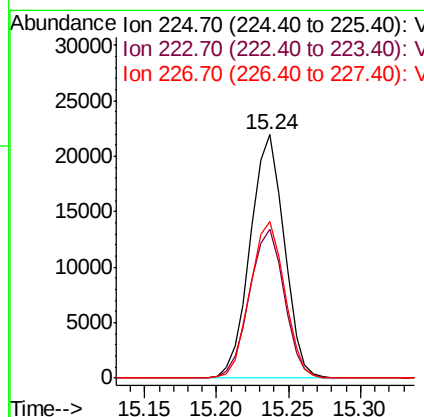
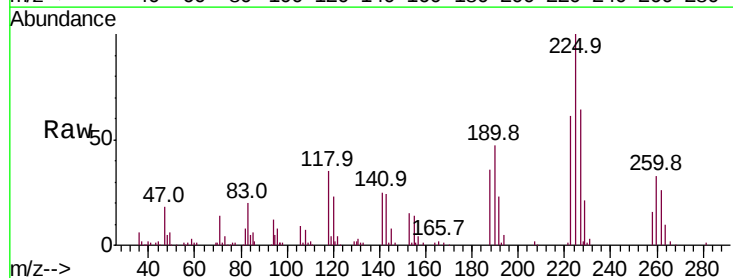
Manual Integrations
 APPROVED

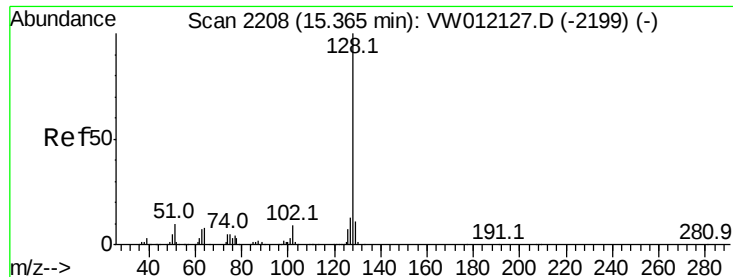
MMDadoda
 9/3/2019 10:56:03 AM



#94
 Hexachlorobutadiene
 Concen: 21.593 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012515.D
 Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	32.3	96.8	
227	65.3	32.9	98.6	





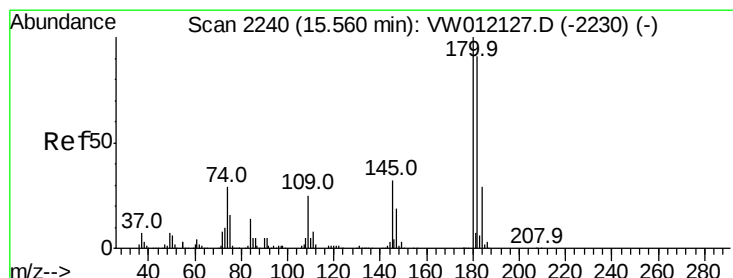
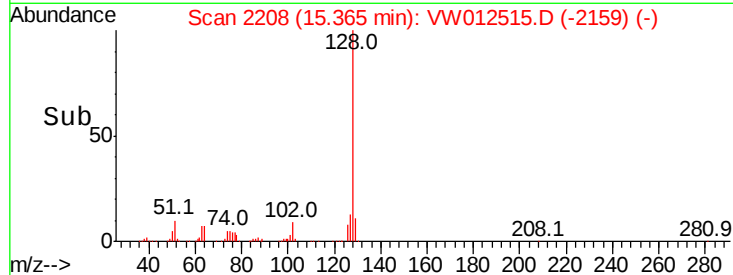
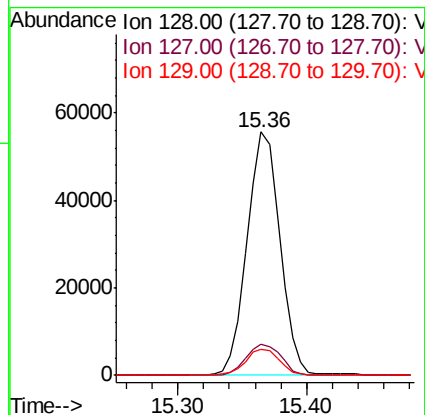
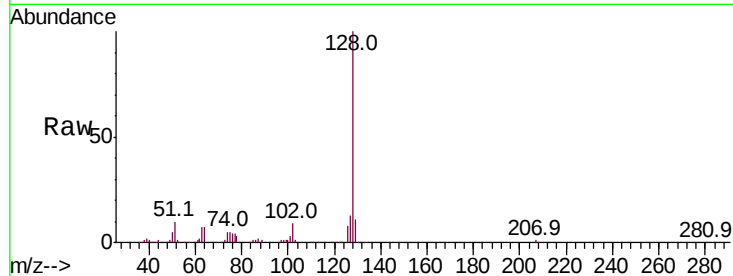
#95
Naphthalene
Concen: 22.531 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:56:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.862 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012515.D
Acq: 02 Sep 2019 23:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	31.8	16.2	48.5

