

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012344.D
 Acq On : 30 Aug 2019 11:34
 Operator : SY/VA
 Sample : VW0830SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 9:11:11 AM

Quant Time: Aug 30 16:39:58 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	218393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	149323	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135758	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.88	113	106269	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.32	98	432972	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.62	95	154112	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	23252	17.291	ug/l	98
3) Chloromethane	2.21	50	40894	19.629	ug/l	100
4) Vinyl Chloride	2.36	62	47583	18.660	ug/l	96
5) Bromomethane	2.73	94	22998	17.808	ug/l	92
6) Chloroethane	2.91	64	26991	18.764	ug/l	98
7) Trichlorofluoromethane	3.25	101	24891	19.440	ug/l	100
8) Diethyl Ether	3.68	74	24146	19.867	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42300	19.435	ug/l	96
10) Methyl Iodide	4.27	142	54604	18.543	ug/l	98
11) Tert butyl alcohol	5.16	59	19431	124.370	ug/l	100
12) 1,1-Dichloroethene	4.04	96	41978	19.163	ug/l	96
13) Acrolein	3.89	56	12988	88.313	ug/l	94
14) Allyl chloride	4.66	41	89767	19.168	ug/l	100
15) Acrylonitrile	5.37	53	65334	108.456	ug/l	97
16) Acetone	4.12	43	68949	103.896	ug/l	100
17) Carbon Disulfide	4.38	76	106956	16.156	ug/l	99
18) Methyl Acetate	4.67	43	38969	23.708	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	75286	21.252	ug/l	97
20) Methylene Chloride	4.92	84	50100	19.970	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	44684	19.022	ug/l	97
22) Diisopropyl ether	6.31	45	177134	20.406	ug/l	99
23) Vinyl Acetate	6.25	43	545401	102.093	ug/l	100
24) 1,1-Dichloroethane	6.21	63	94334	19.959	ug/l	99
25) 2-Butanone	7.17	43	98804	109.563	ug/l	99
26) 2,2-Dichloropropane	7.16	77	54018	20.192	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49886	19.877	ug/l	98
28) Bromochloromethane	7.51	49	45141	21.913	ug/l	99
29) Tetrahydrofuran	7.53	42	61582	113.821	ug/l	99
30) Chloroform	7.67	83	87773	20.298	ug/l	99
31) Cyclohexane	7.95	56	85293	18.240	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	68644	20.067	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69615	19.473	ug/l	99
37) Ethyl Acetate	7.25	43	42683	21.788	ug/l	99
38) Carbon Tetrachloride	8.07	117	61607	19.911	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76314	19.002	ug/l	98
40) Benzene	8.32	78	193587	19.832	ug/l	99
41) Methacrylonitrile	7.48	41	26304	22.846	ug/l	98
42) 1,2-Dichloroethane	8.40	62	62783	20.522	ug/l	99
43) Isopropyl Acetate	8.42	43	79272	21.846	ug/l	99
44) Trichloroethene	9.09	130	47761	20.127	ug/l	99
45) 1,2-Dichloropropane	9.37	63	52813	20.103	ug/l	97
46) Dibromomethane	9.46	93	24249	20.746	ug/l	98
47) Bromodichloromethane	9.64	83	61798	19.865	ug/l	99
48) Methyl methacrylate	9.43	41	37922	21.958	ug/l	98
49) 1,4-Dioxane	9.44	88	8204	458.474	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	212001	114.866	ug/l	100
52) Toluene	10.38	92	116817	19.921	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	63938	20.177	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	76203	19.916	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35329	21.362	ug/l	97
56) Ethyl methacrylate	10.65	69	52368	21.757	ug/l	97
57) 1,3-Dichloropropane	10.93	76	66975	21.430	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	139134	112.631	ug/l	100
59) 2-Hexanone	10.97	43	148882	114.006	ug/l	100
60) Dibromochloromethane	11.13	129	37222	20.207	ug/l	100
61) 1,2-Dibromoethane	11.23	107	32800	21.289	ug/l	99
64) Tetrachloroethene	10.86	164	38708	19.891	ug/l	97
65) Chlorobenzene	11.66	112	120444	20.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	41738	20.243	ug/l	97
67) Ethyl Benzene	11.73	91	228215	20.045	ug/l	100
68) m/p-Xylenes	11.84	106	165830	40.436	ug/l	100
69) o-Xylene	12.16	106	77775	20.491	ug/l	99
70) Styrene	12.18	104	133171	20.270	ug/l	99
71) Bromoform	12.35	173	21642	21.068	ug/l #	99
73) Isopropylbenzene	12.46	105	219506	19.618	ug/l	98
74) N-amyl acetate	12.27	43	74150	21.935	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	43496	21.204	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30488m	20.964	ug/l	
77) Bromobenzene	12.74	156	47660	19.689	ug/l	98
78) n-propylbenzene	12.80	91	268751	19.675	ug/l	99
79) 2-Chlorotoluene	12.89	91	151260	19.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	188414	20.152	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13493	20.342	ug/l	96
82) 4-Chlorotoluene	12.99	91	162106	19.963	ug/l	99
83) tert-Butylbenzene	13.21	119	160336	20.245	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	186803	19.890	ug/l	99
85) sec-Butylbenzene	13.38	105	228582	20.146	ug/l	99
86) p-Isopropyltoluene	13.50	119	206798	20.408	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	94458	19.950	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	94641	20.131	ug/l	99
89) n-Butylbenzene	13.82	91	203611	20.206	ug/l	99
90) Hexachloroethane	14.09	117	34681	19.508	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	86790	20.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7818	22.608	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59974	20.894	ug/l	99
94) Hexachlorobutadiene	15.24	225	41341	21.813	ug/l	99
95) Naphthalene	15.37	128	108165	21.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	53263	21.269	ug/l	99

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

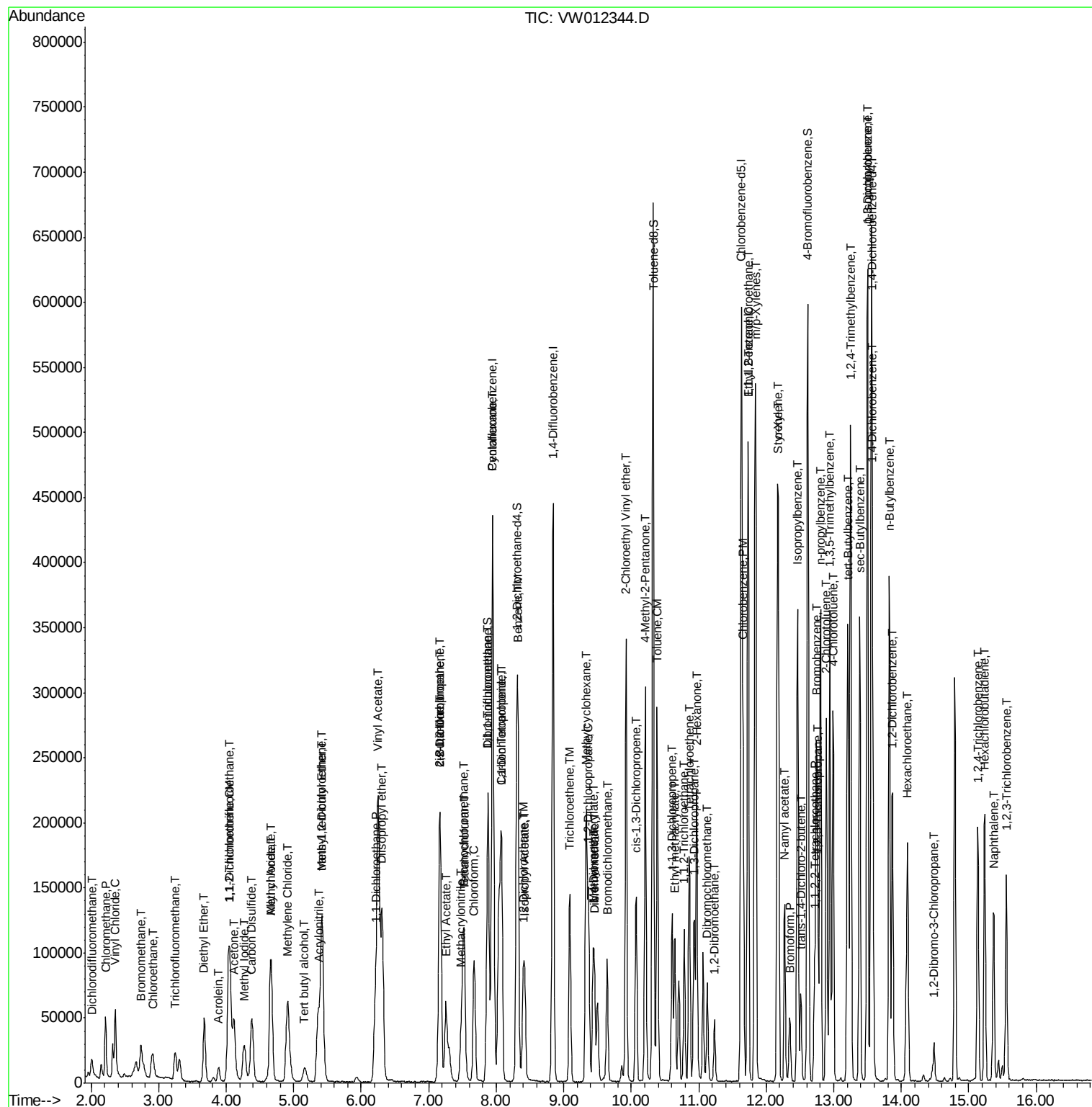
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 Data File : VW012344.D
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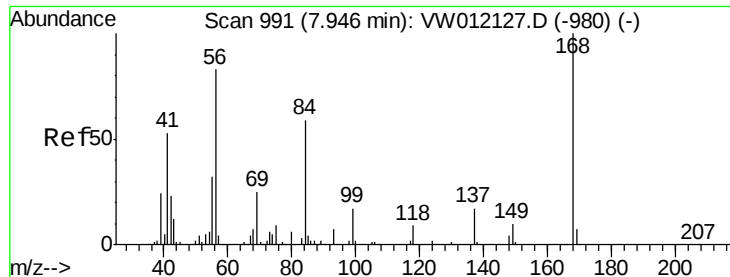
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion:168 Resp: 218393

Ion Ratio Lower Upper

168 100

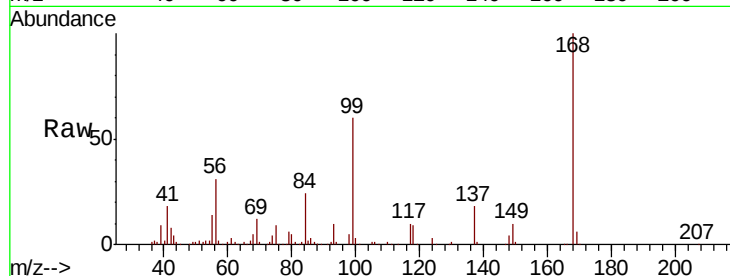
99 60.1 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

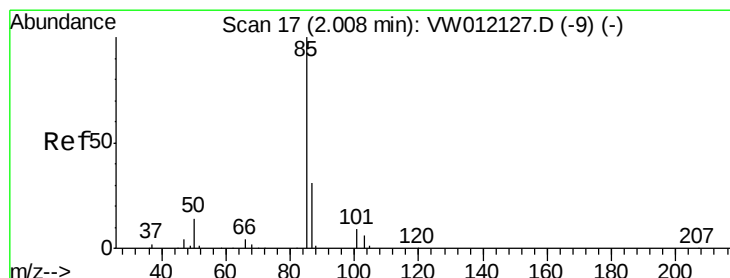
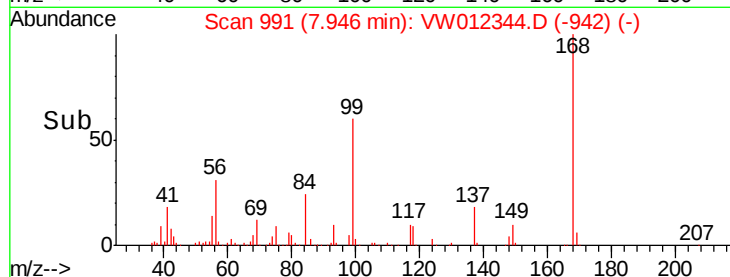
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.291 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012344.D

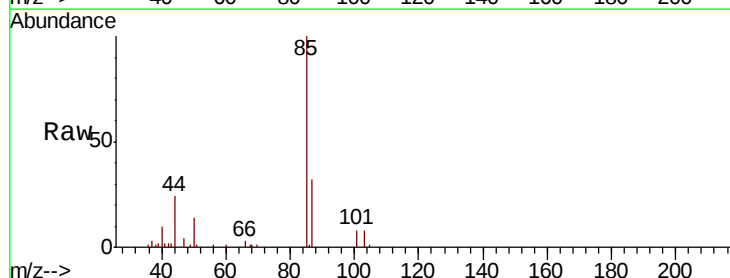
Acq: 30 Aug 2019 11:34

Tgt Ion: 85 Resp: 23252

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

8000

6000

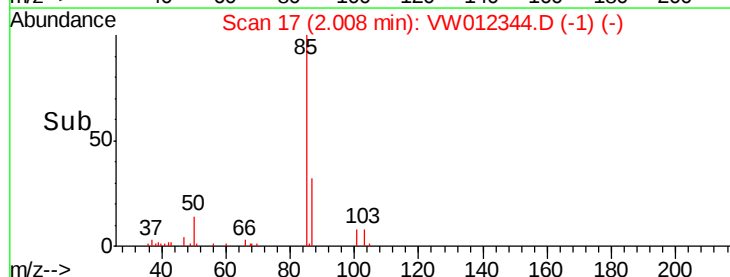
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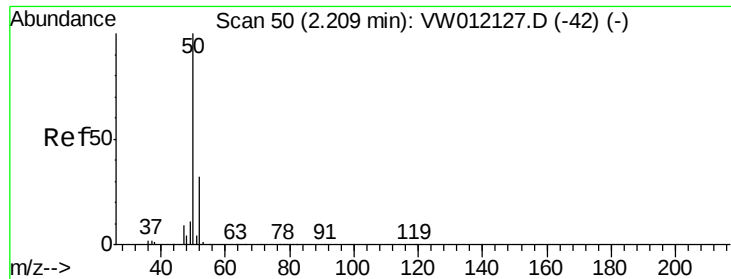
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.629 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 50 Resp: 40894

Ion Ratio Lower Upper

50 100

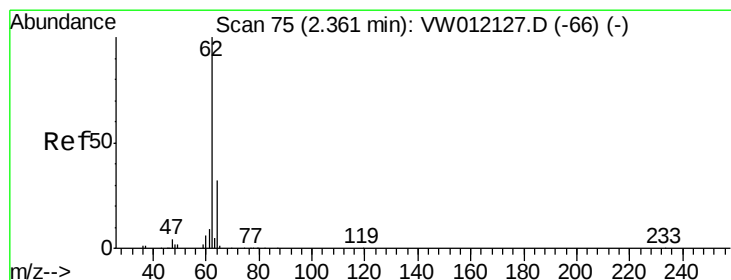
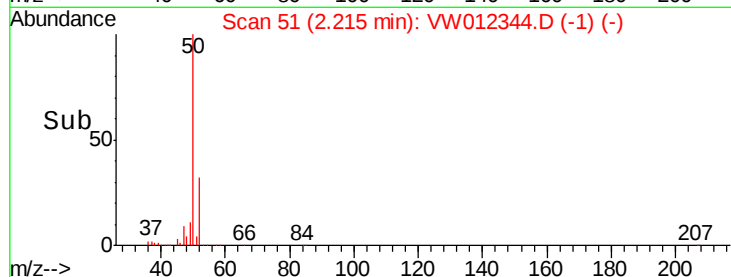
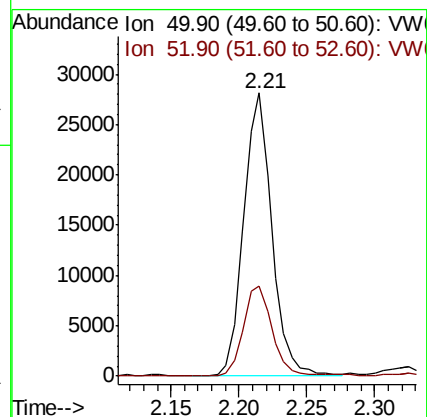
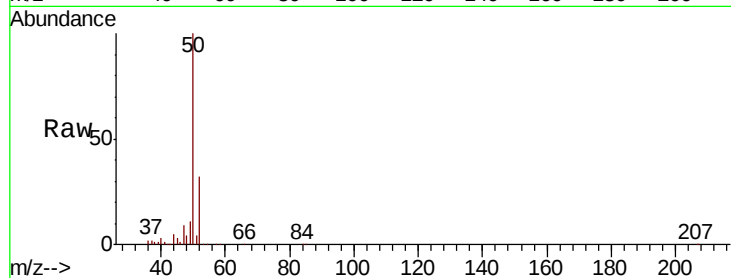
52 31.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.660 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012344.D

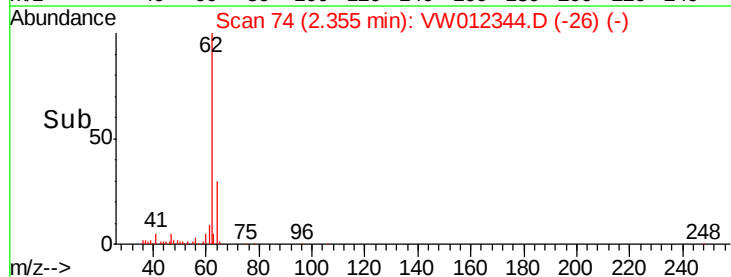
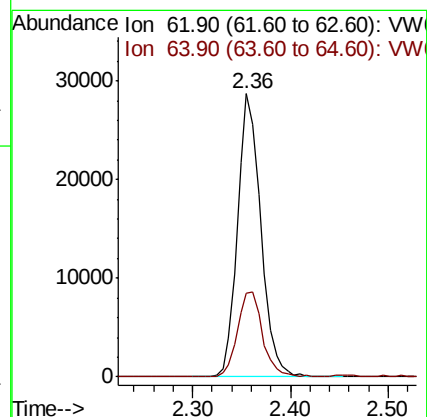
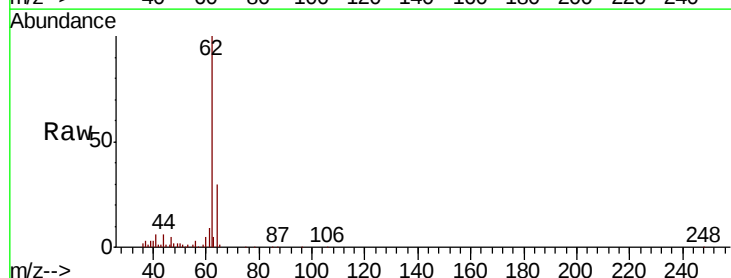
Acq: 30 Aug 2019 11:34

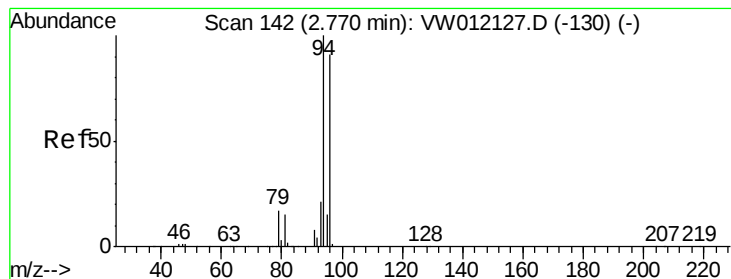
Tgt Ion: 62 Resp: 47583

Ion Ratio Lower Upper

62 100

64 29.5 25.3 37.9





#5

Bromomethane

Concen: 17.808 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 94 Resp: 22998

Ion Ratio Lower Upper

94 100

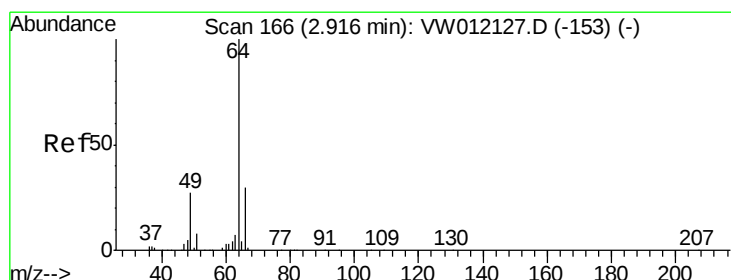
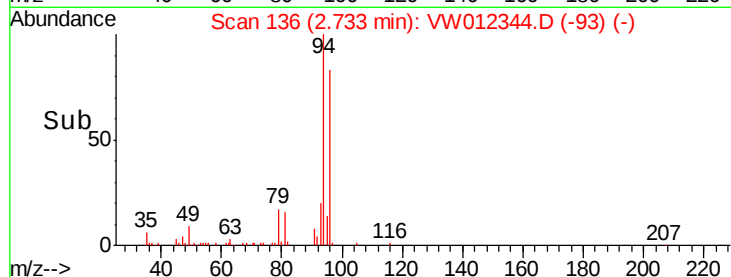
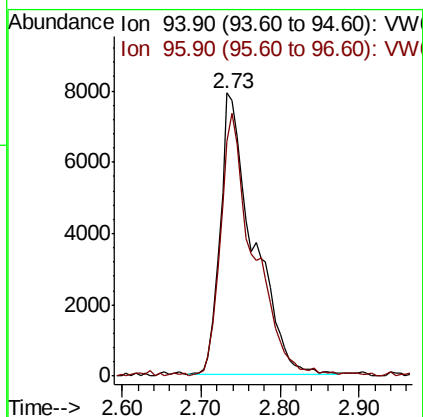
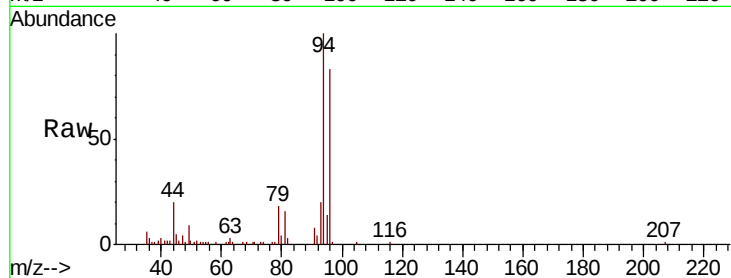
96 83.7 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 18.764 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012344.D

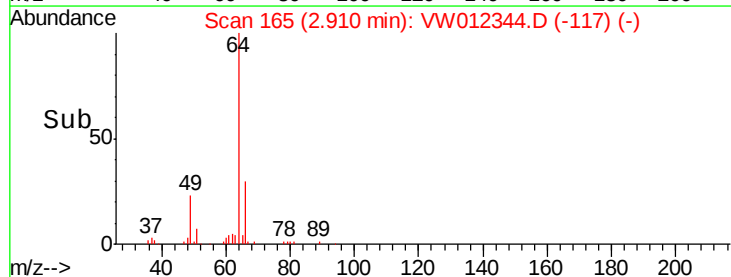
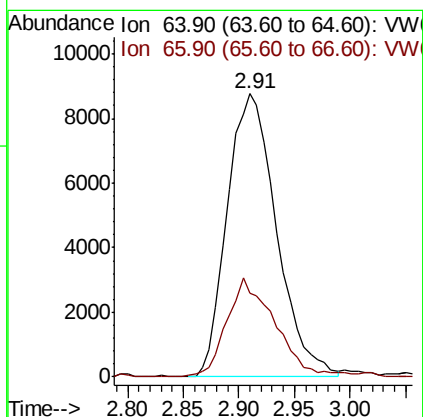
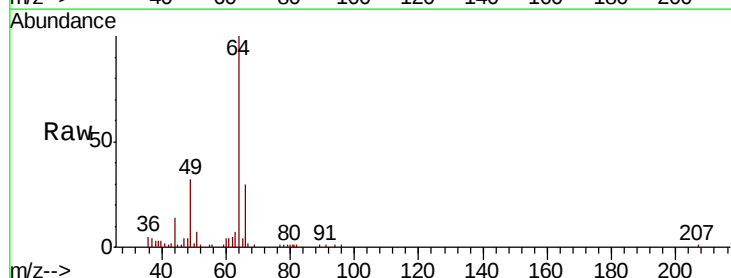
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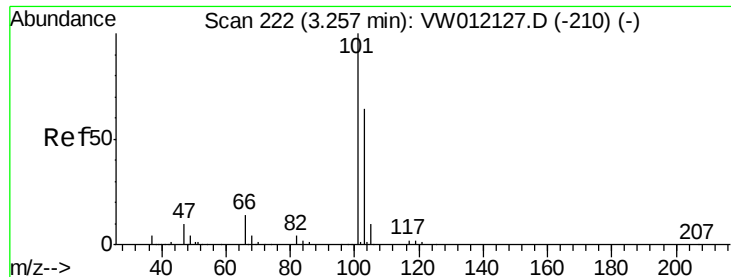
Tgt Ion: 64 Resp: 26991

Ion Ratio Lower Upper

64 100

66 28.9 23.8 35.8





#7

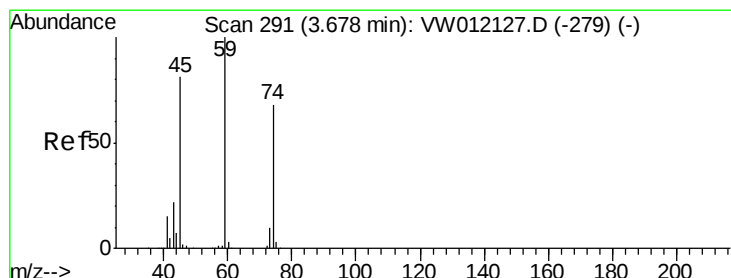
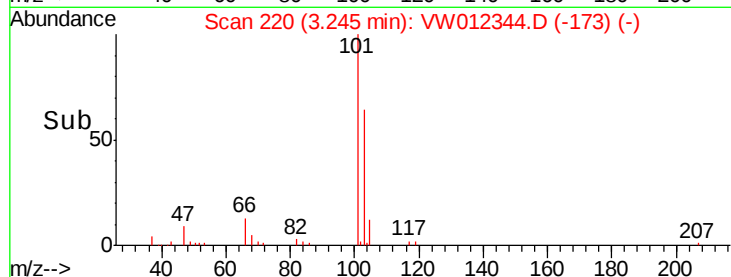
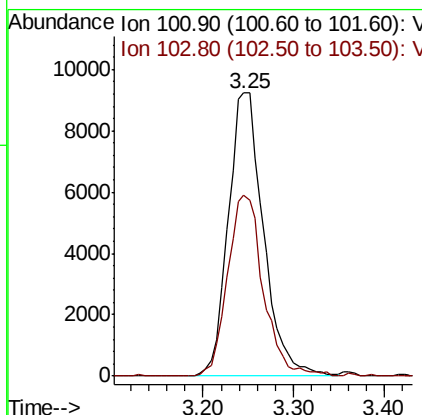
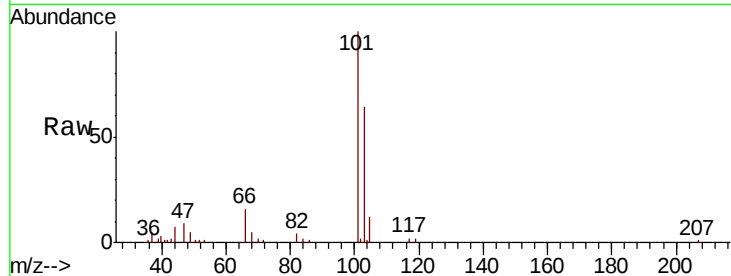
Trichlorofluoromethane
 Concen: 19.440 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012344.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	24891		
103	63.8	51.2	76.8	

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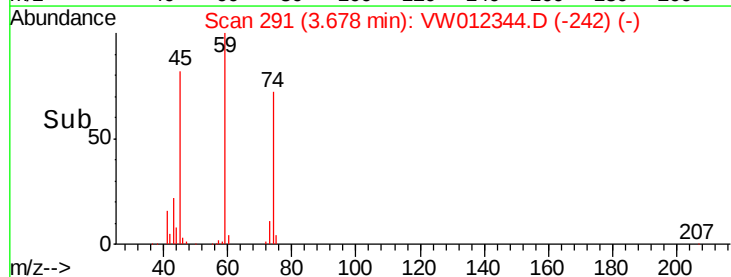
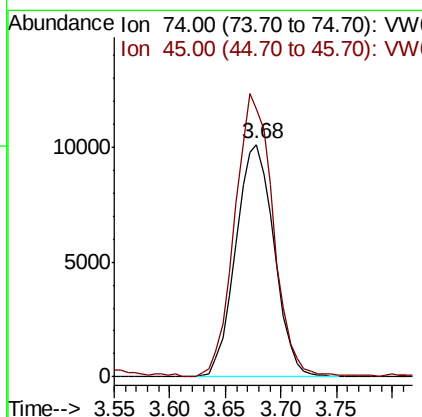
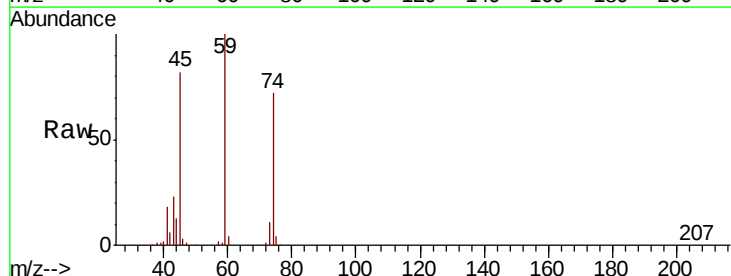
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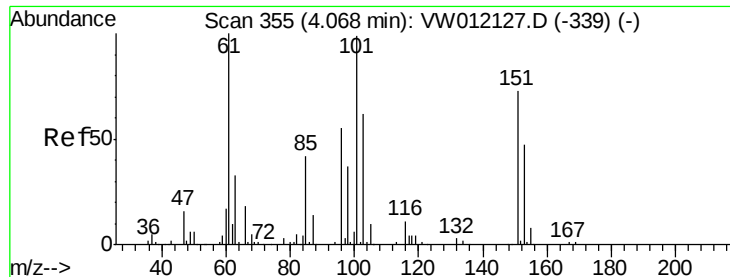


#8

Diethyl Ether
 Concen: 19.867 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	24146		
45	122.0	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.435 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

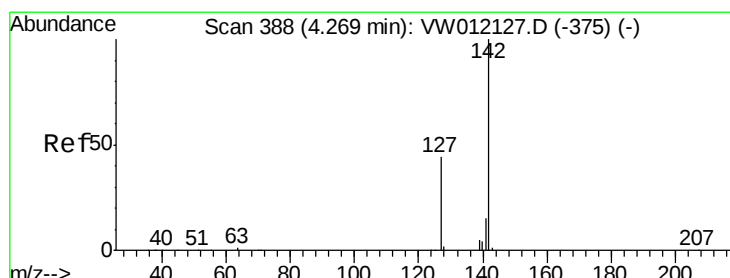
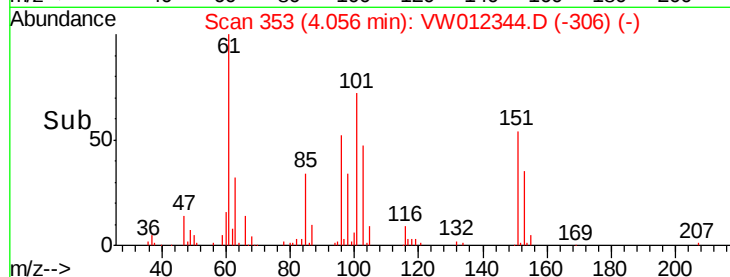
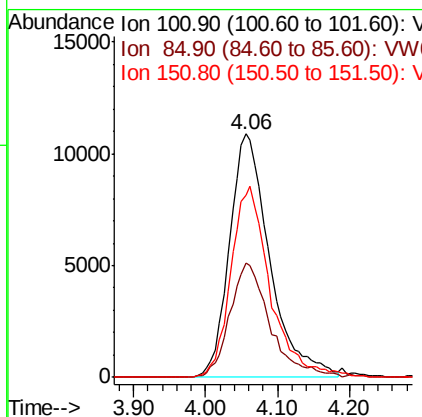
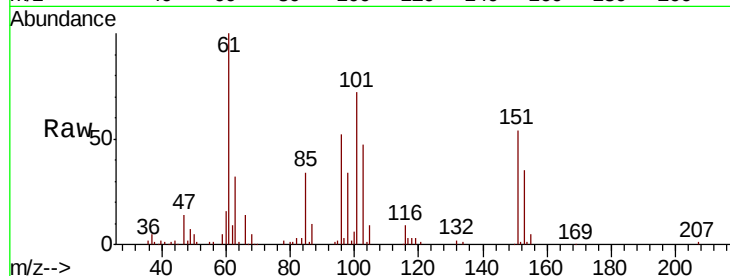
ClientSampled :

VW0830SBS01

Tot Ion:	101	Resp:	42300
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.8	53.6
151	77.0	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.543 ug/l

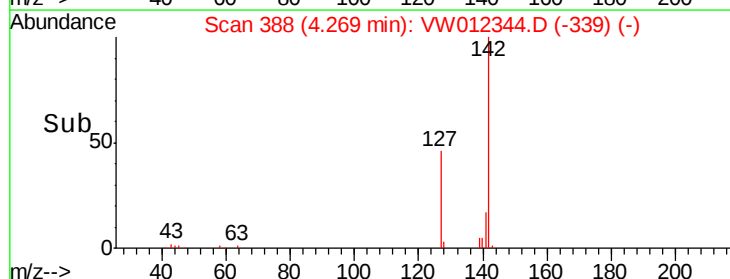
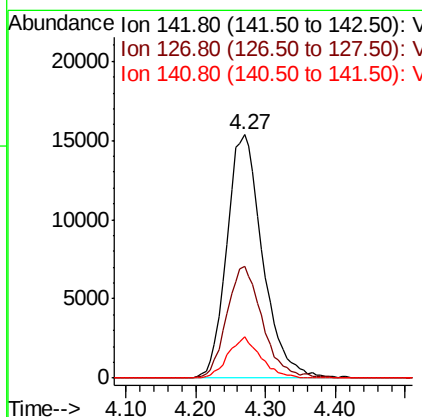
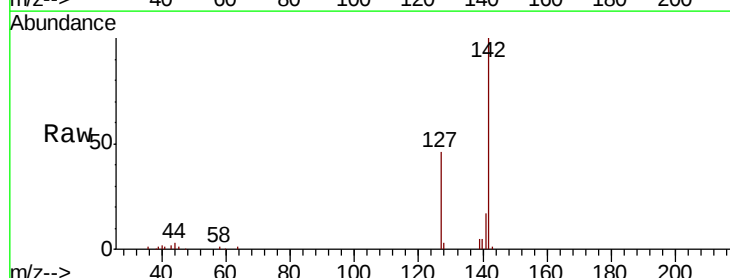
RT: 4.27 min Scan# 388

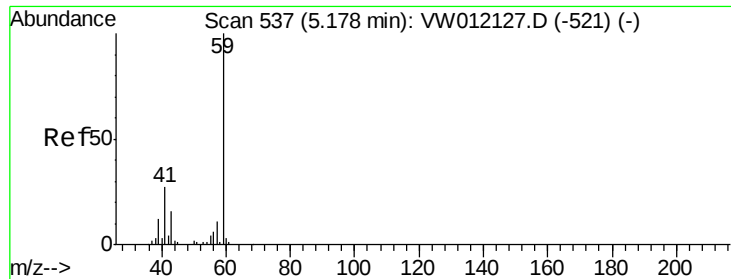
Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Tgt Ion:	142	Resp:	54604
Ion Ratio	Lower	Upper	
142	100		
127	45.7	35.5	53.3
141	15.3	11.8	17.8





#11

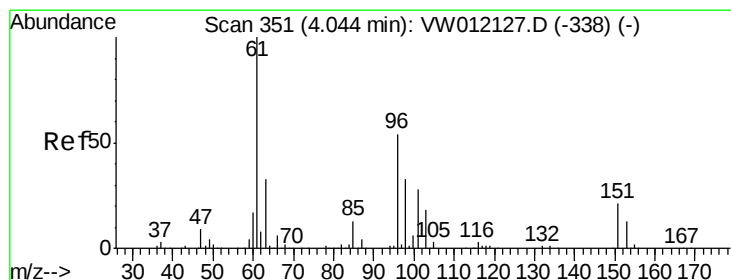
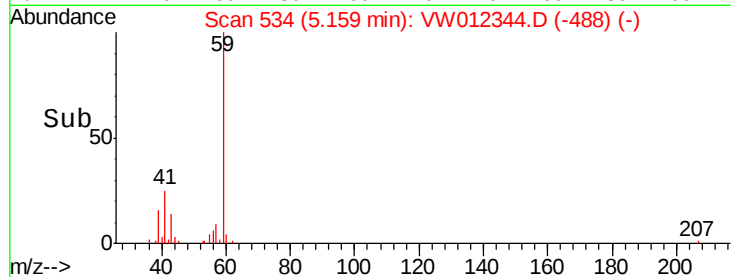
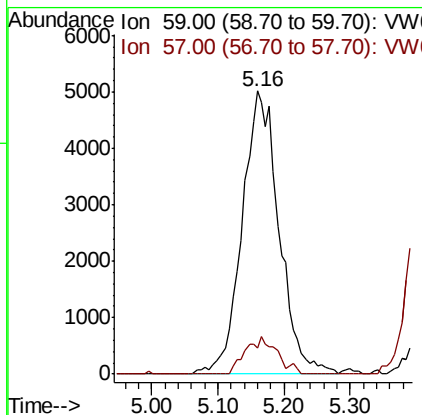
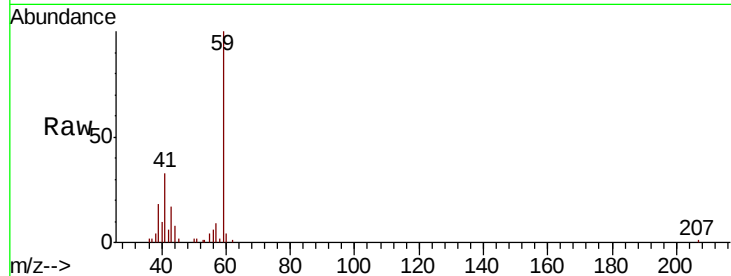
Tert butyl alcohol
Concen: 124.370 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		19431		
57	11.3		9.0	13.4	

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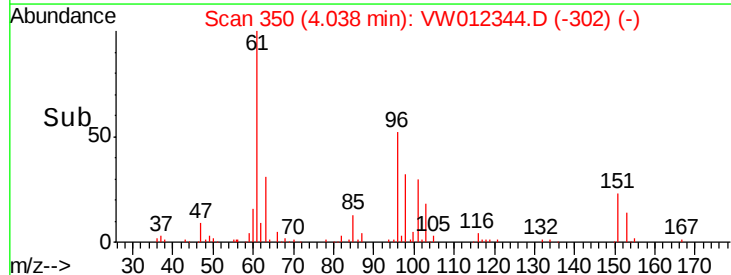
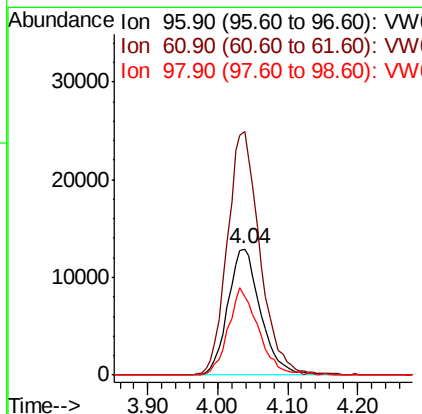
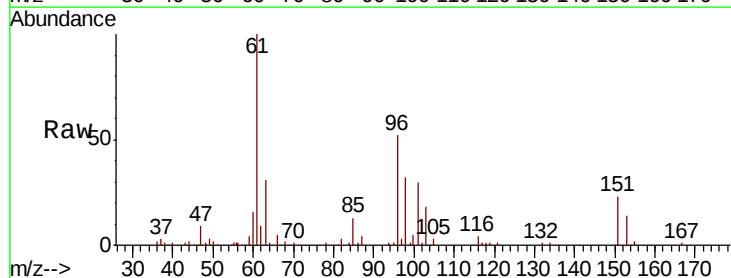
MMDadoda
8/31/2019 9:11:11 AM

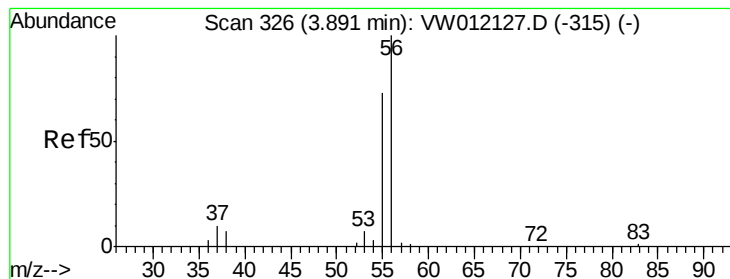


#12

1,1-Dichloroethene
Concen: 19.163 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		41978		
61	193.0		149.1	223.7	
98	62.4		49.4	74.2	





#13

Acrolein

Concen: 88.313 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 56 Resp: 12988

Ion Ratio Lower Upper

56 100

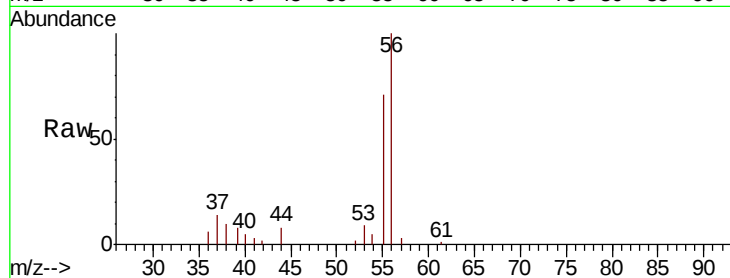
55 74.9 55.8 83.8

Manual Integrations

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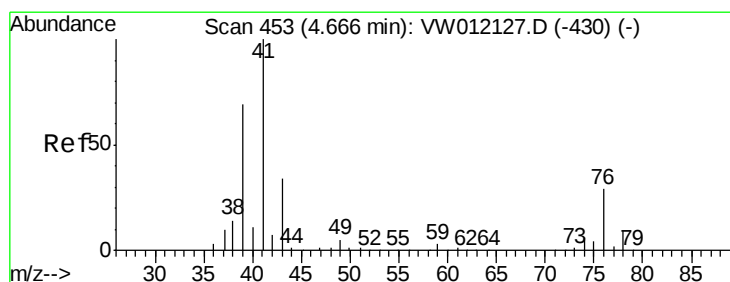
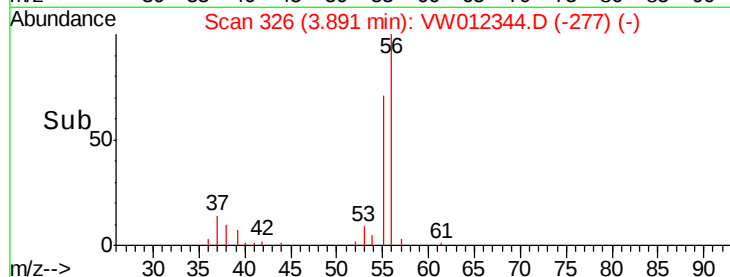
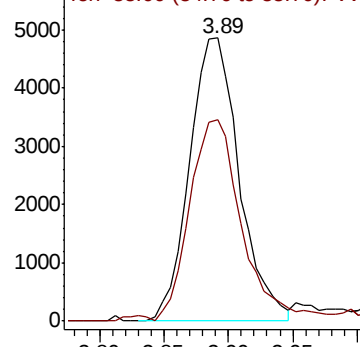
MMDadoda

8/31/2019 9:11:11 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.168 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

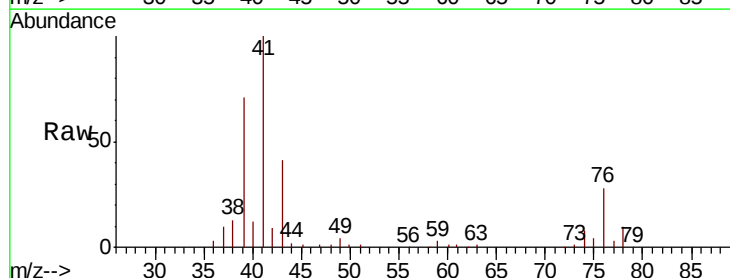
Tgt Ion: 41 Resp: 89767

Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

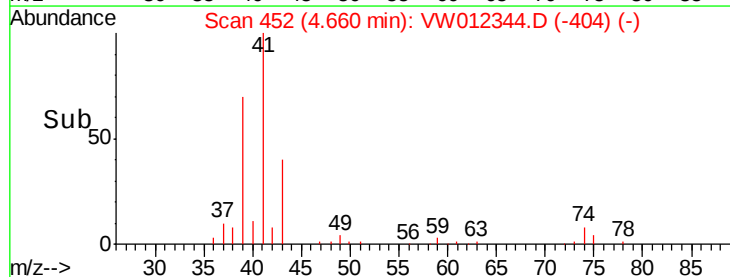
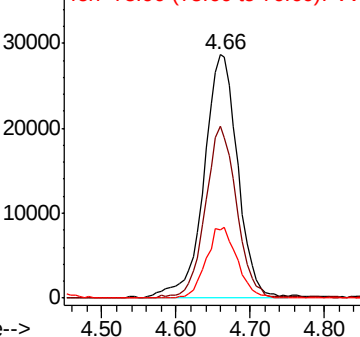
76 27.1 22.1 33.1

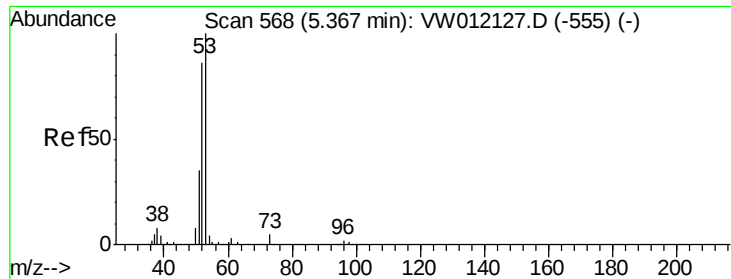


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 108.456 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

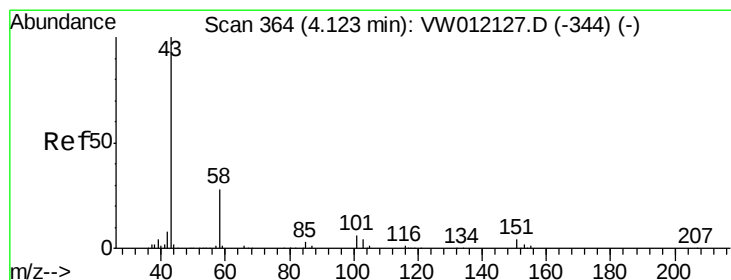
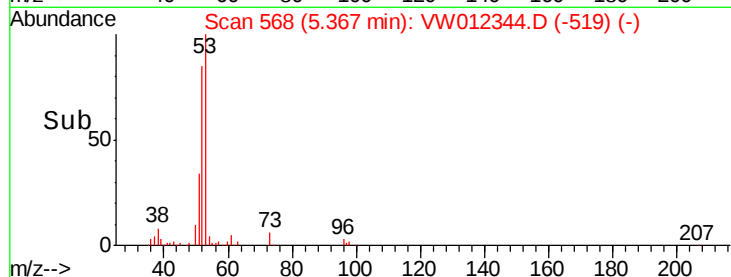
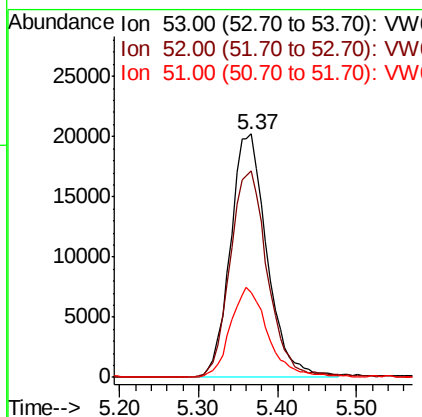
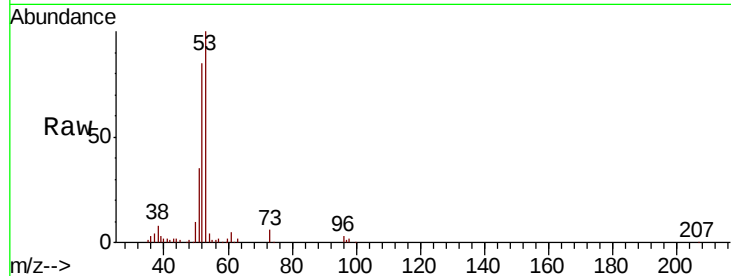
ClientSampleId :

VW0830SBS01

Tot Ion:	53	Resp:	65334
Ion	Ratio	Lower	Upper
53	100		
52	87.2	66.7	100.1
51	37.9	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 103.896 ug/l

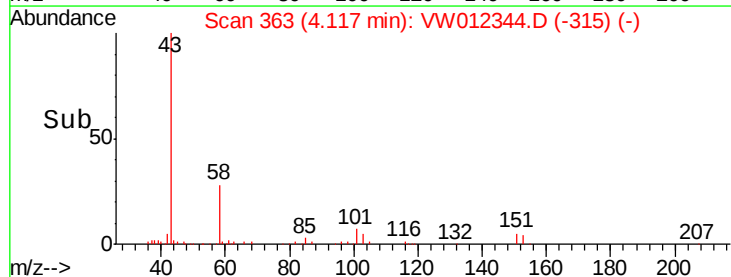
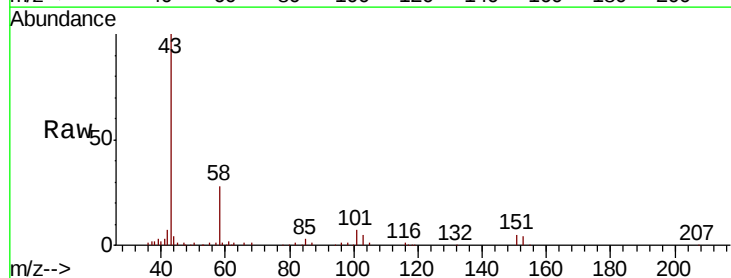
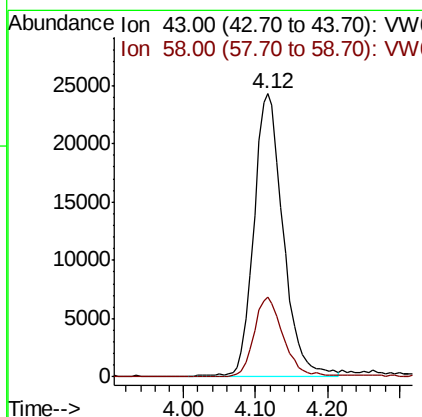
RT: 4.12 min Scan# 363

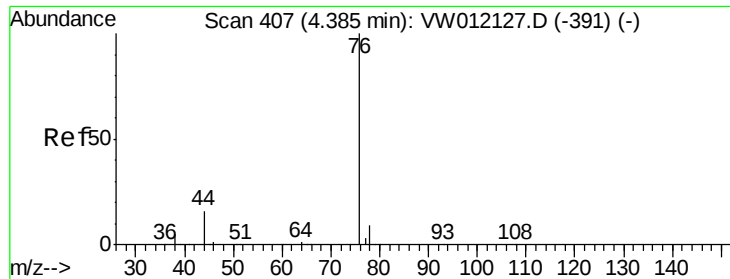
Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Tgt Ion:	43	Resp:	68949
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.4	33.6





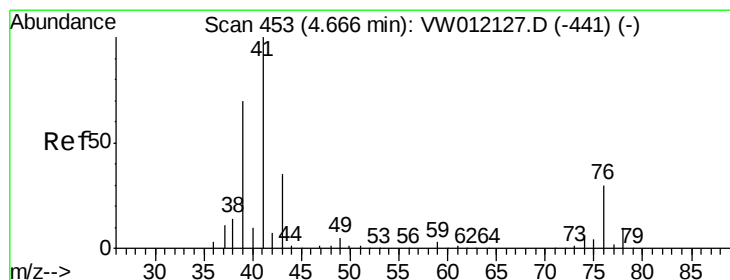
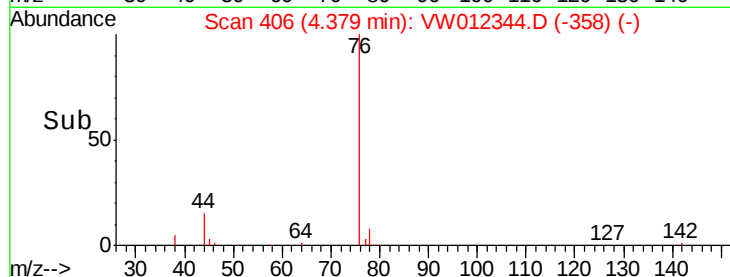
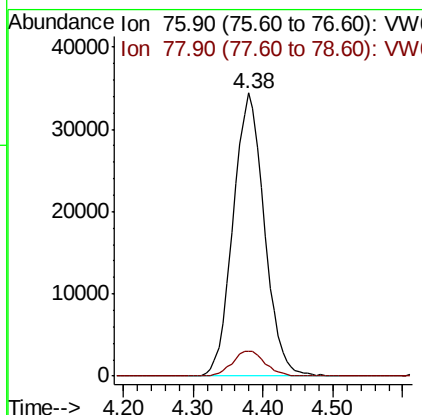
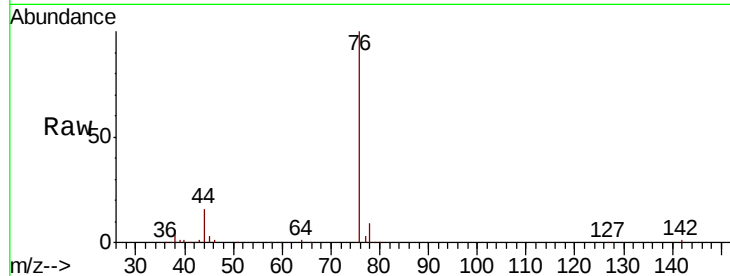
#17
Carbon Disulfide
Concen: 16.156 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	106956		
78	8.6		7.3	10.9

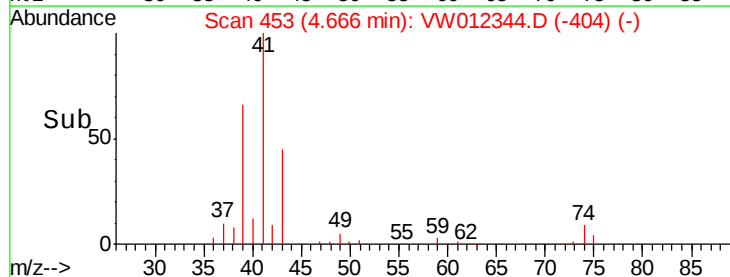
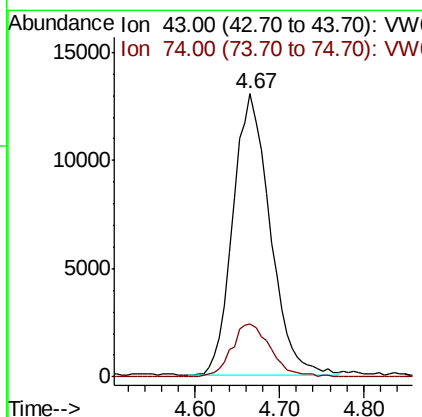
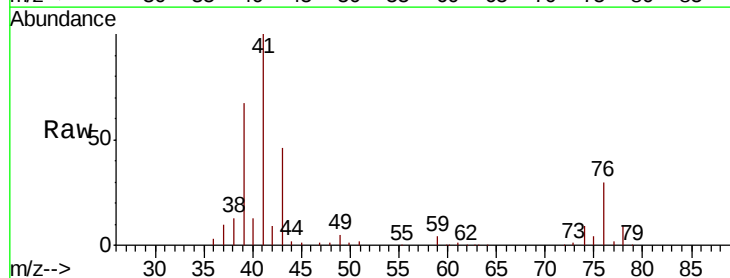
Manual Integrations
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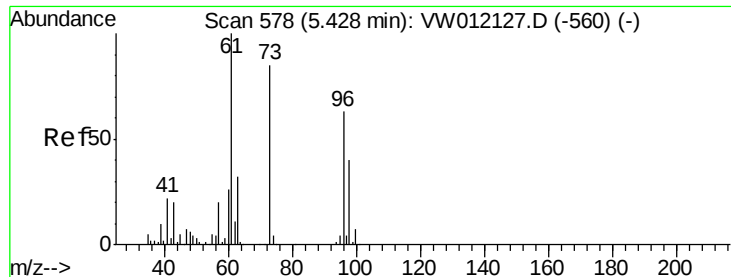
MMDadoda
8/31/2019 9:11:11 AM



#18
Methyl Acetate
Concen: 23.708 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	38969		
74	19.9		15.7	23.5





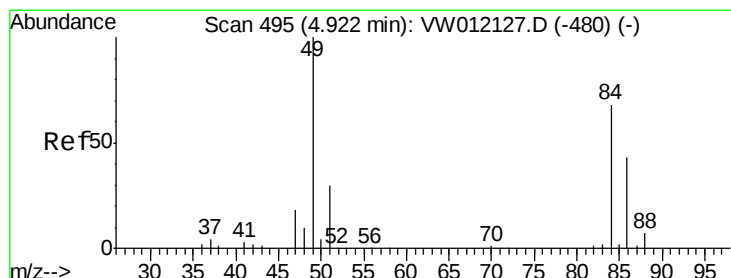
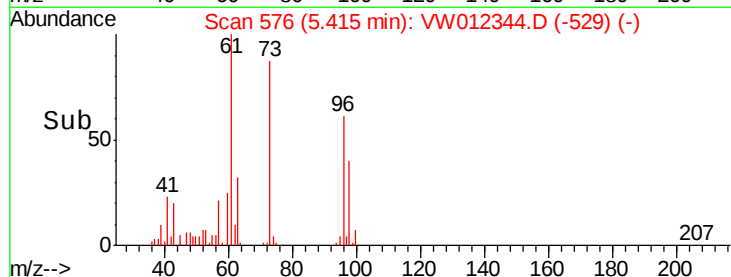
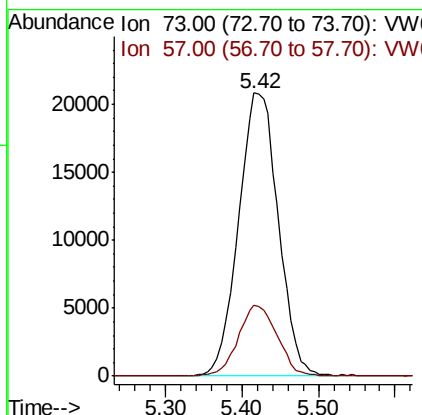
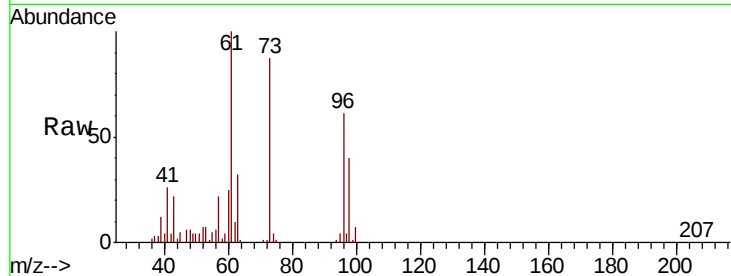
#19
Methyl tert-butyl Ether
Concen: 21.252 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion: 73 Resp: 75286
Ion Ratio Lower Upper
73 100
57 24.9 18.9 28.3

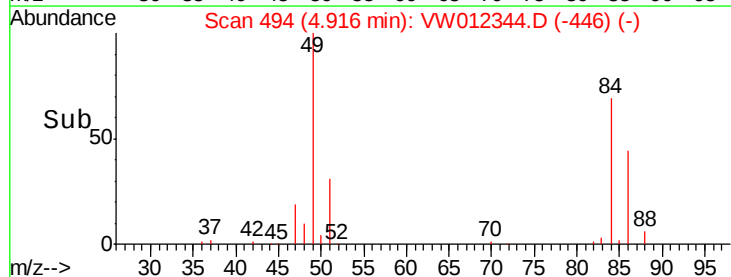
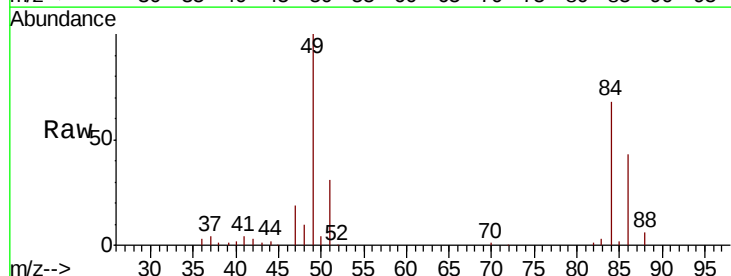
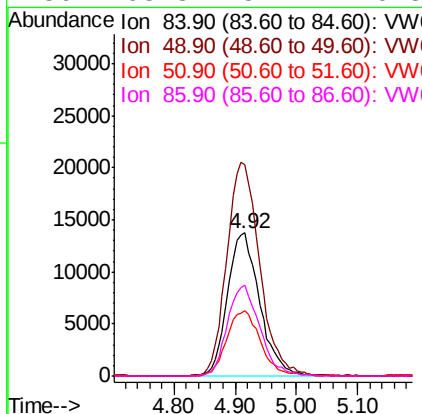
Manual Integrations
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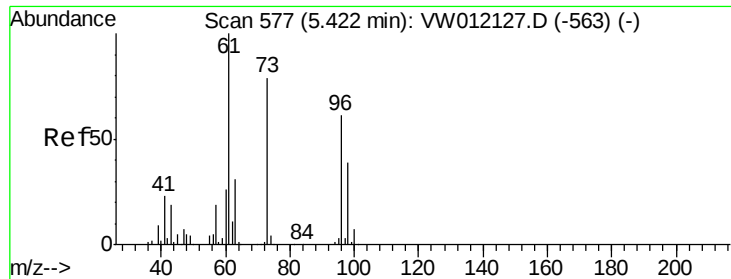
MMDadoda
8/31/2019 9:11:11 AM



#20
Methylene Chloride
Concen: 19.970 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion: 84 Resp: 50100
Ion Ratio Lower Upper
84 100
49 147.4 117.8 176.8
51 45.3 35.6 53.4
86 63.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.022 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

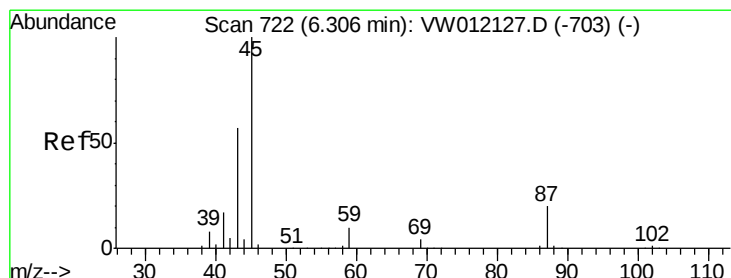
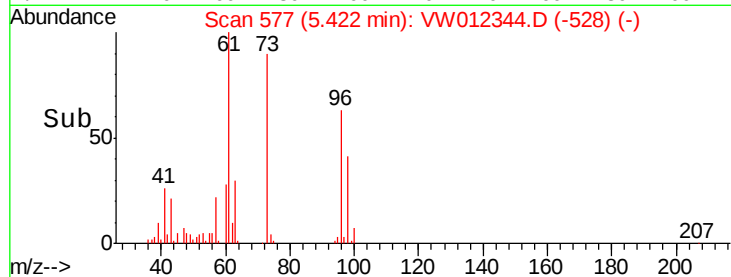
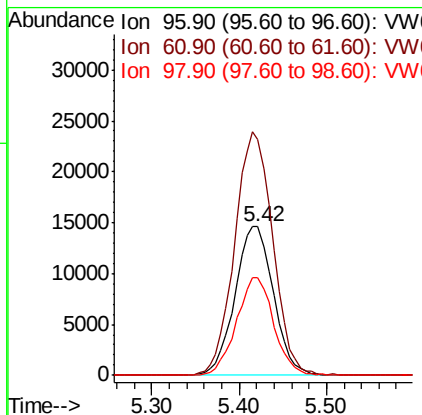
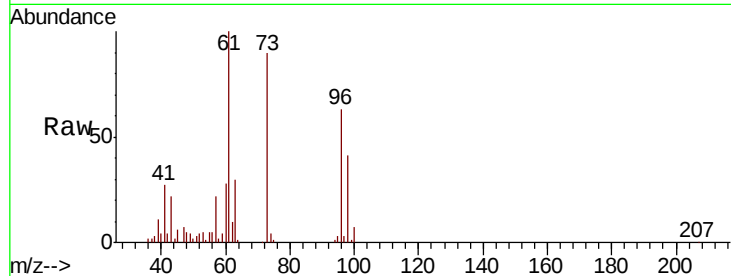
ClientSampleId :

VW0830SBS01

Tot Ion:	96	Resp:	44684
Ion	Ratio	Lower	Upper
96	100		
61	158.6	131.4	197.0
98	65.4	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.406 ug/l

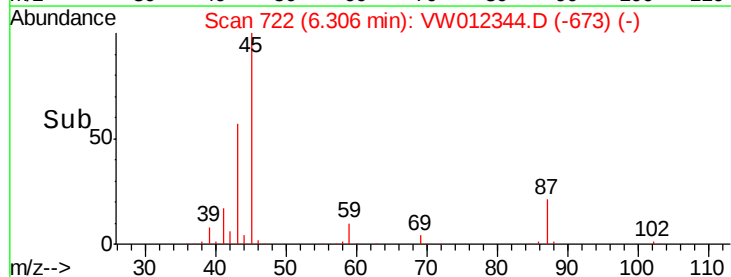
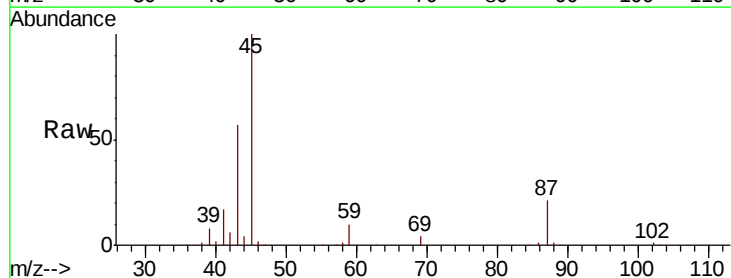
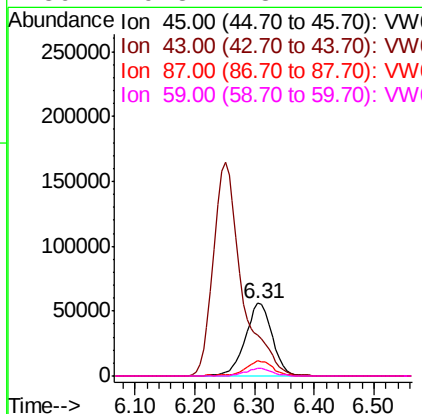
RT: 6.31 min Scan# 722

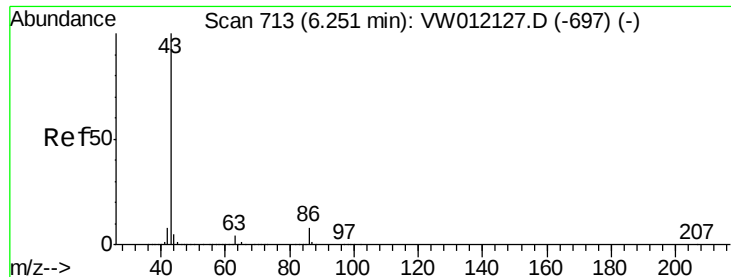
Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Tgt Ion:	45	Resp:	177134
Ion	Ratio	Lower	Upper
45	100		
43	56.4	45.5	68.3
87	21.3	16.1	24.1
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 102.093 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 43 Resp: 545401

Ion Ratio Lower Upper

43 100

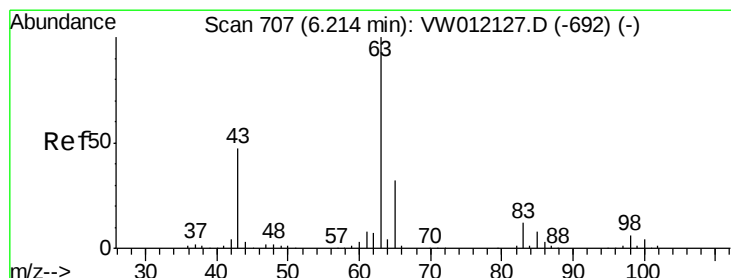
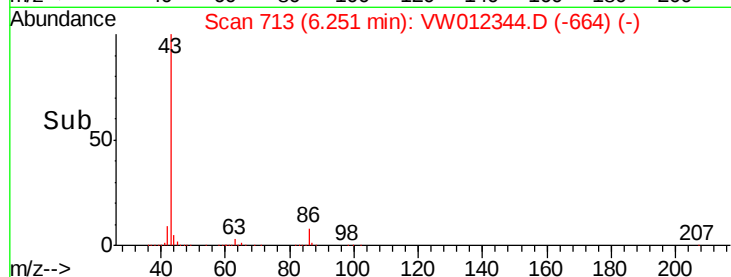
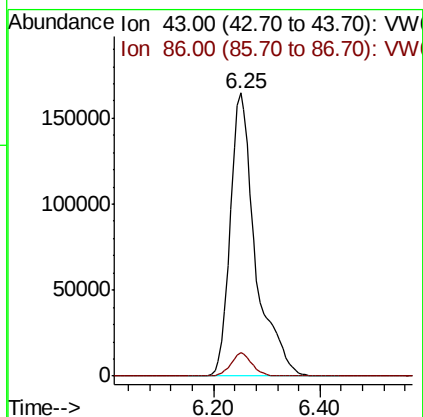
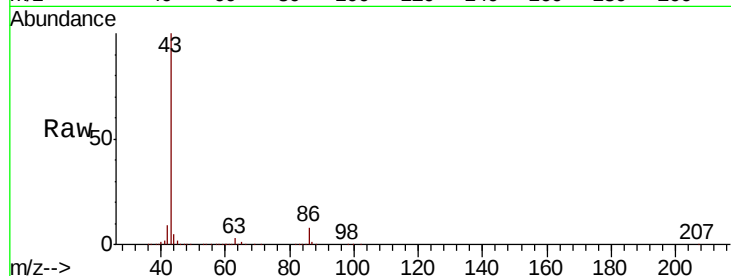
86 8.3 6.5 9.7

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 19.959 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

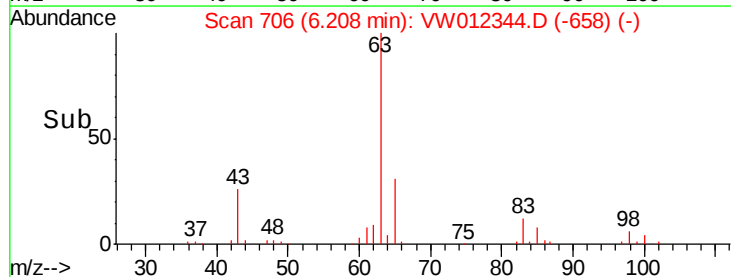
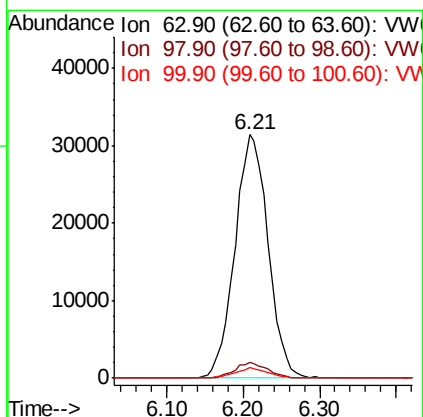
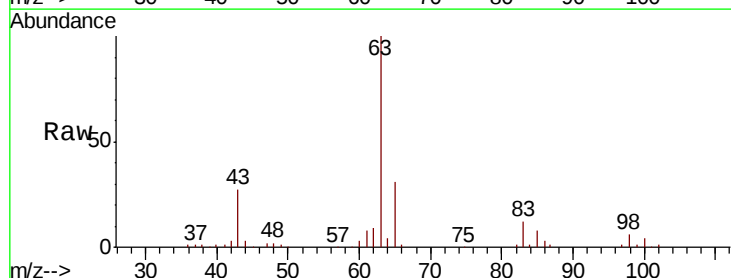
Tgt Ion: 63 Resp: 94334

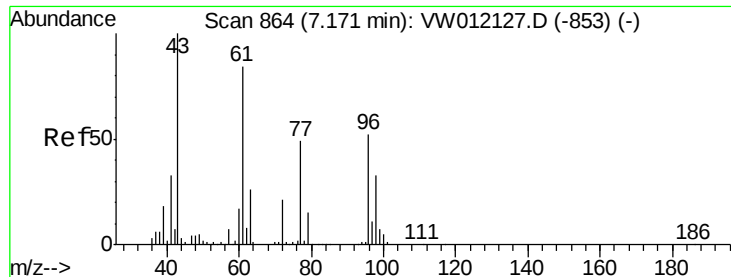
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 109.563 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 43 Resp: 98804

Ion Ratio Lower Upper

43 100

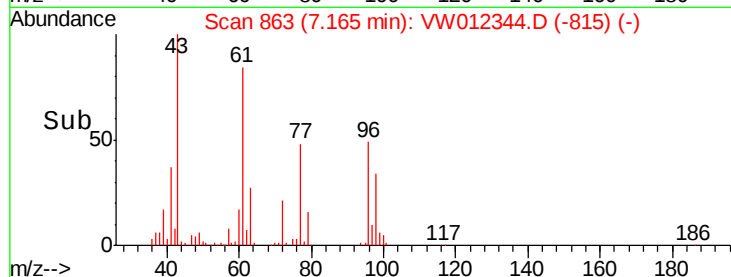
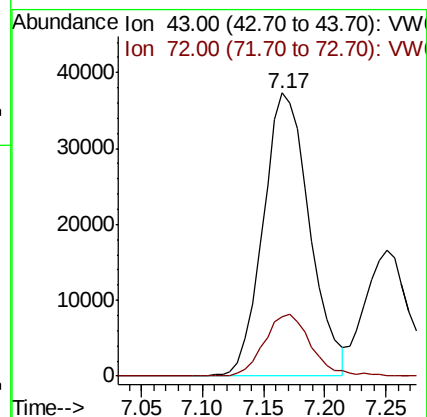
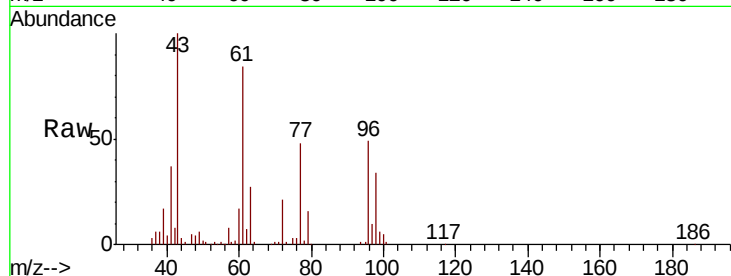
72 21.0 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.192 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012344.D

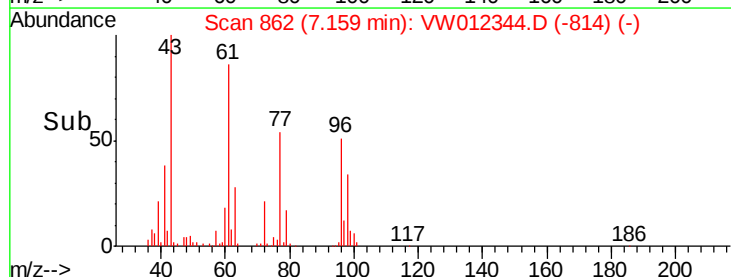
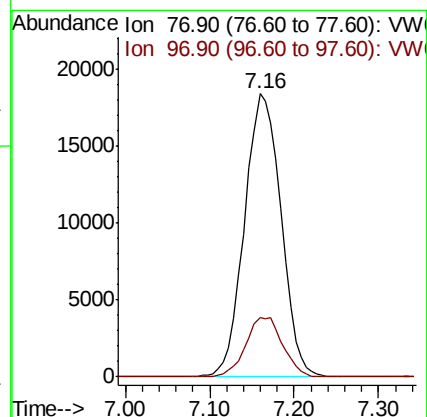
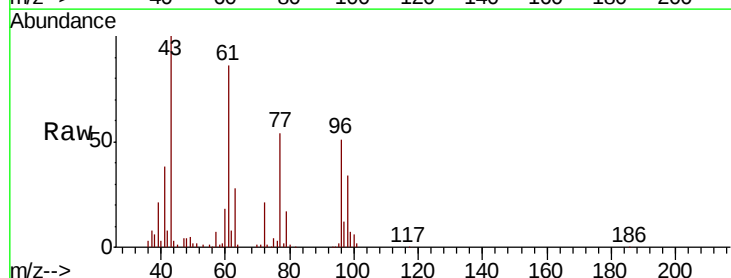
Acq: 30 Aug 2019 11:34

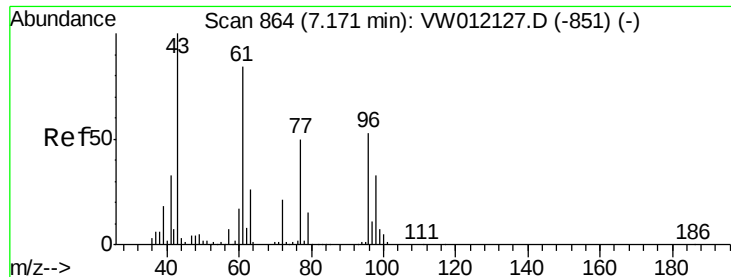
Tgt Ion: 77 Resp: 54018

Ion Ratio Lower Upper

77 100

97 21.2 11.1 33.1





#27

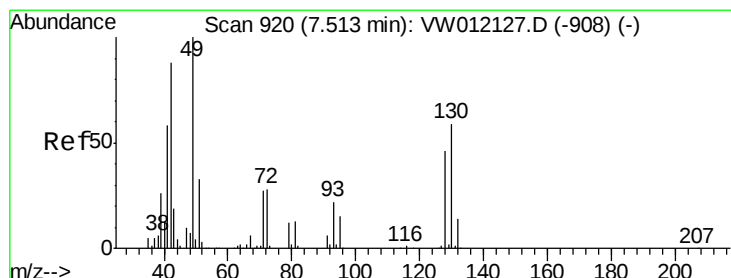
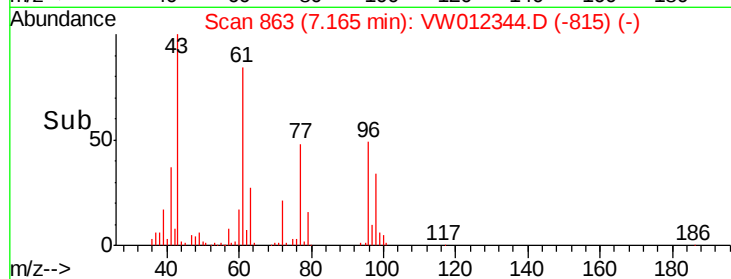
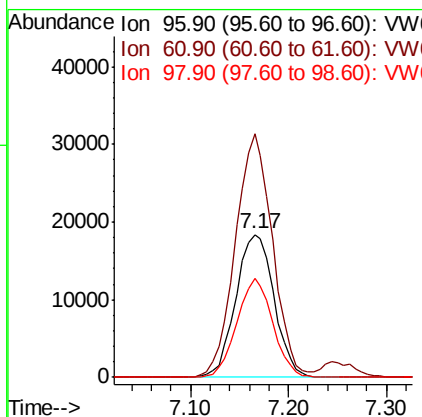
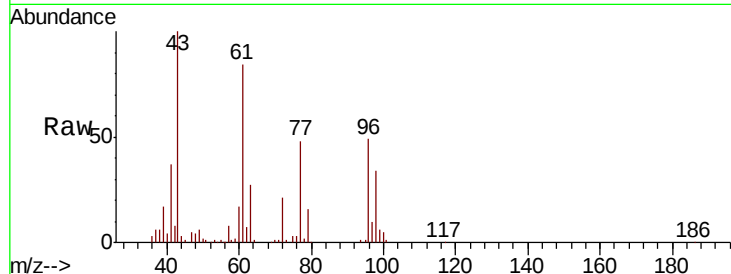
cis-1,2-Dichloroethene
Concen: 19.877 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.6	0.0	326.6	
98	64.9	0.0	127.4	

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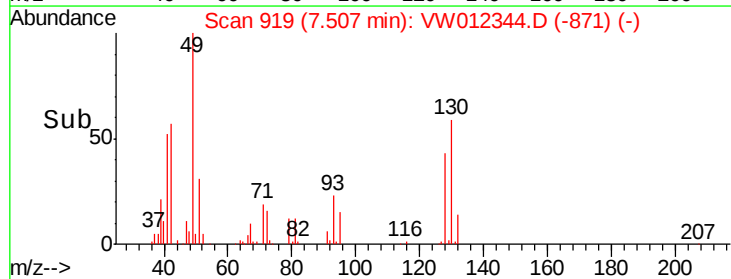
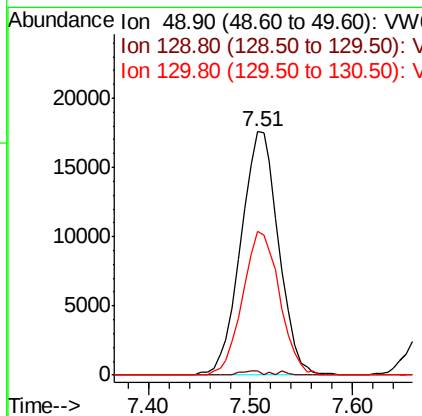
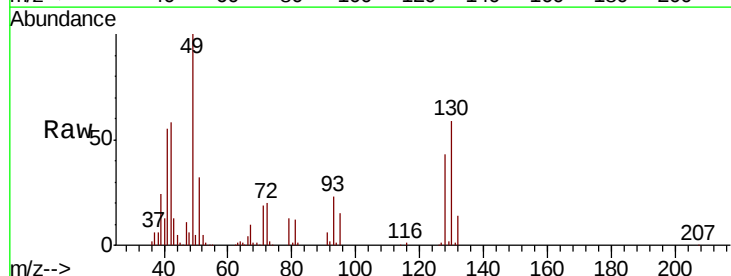
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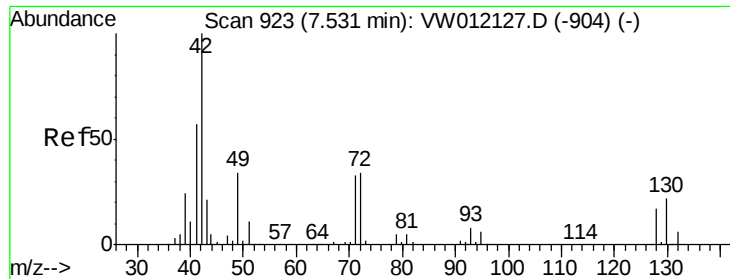


#28

Bromochloromethane
Concen: 21.913 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	1.4	
130	57.8	45.5	68.3	





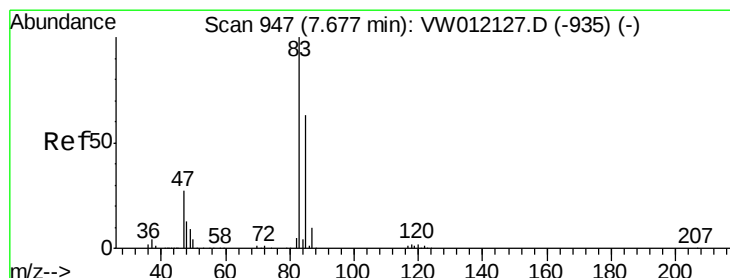
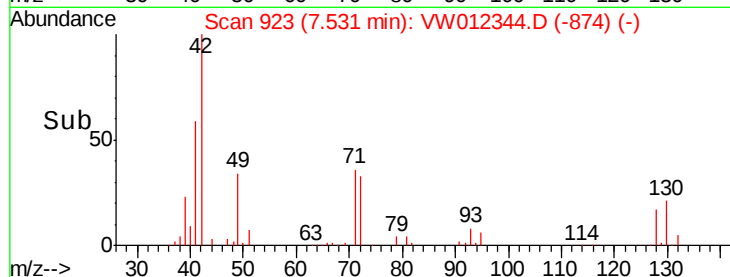
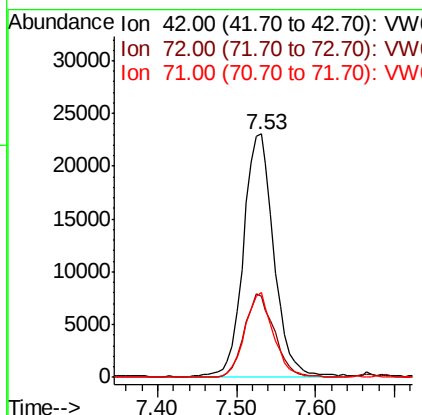
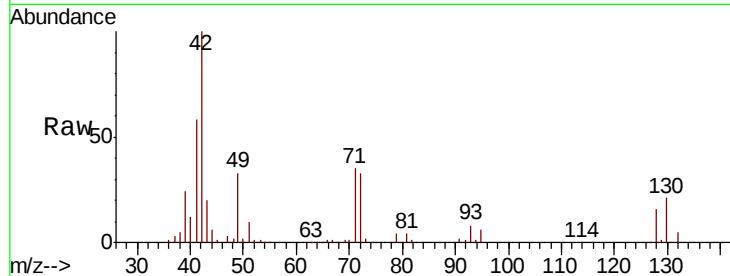
#29
Tetrahydrofuran
Concen: 113.821 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.3	40.9
71	33.0	25.5	38.3

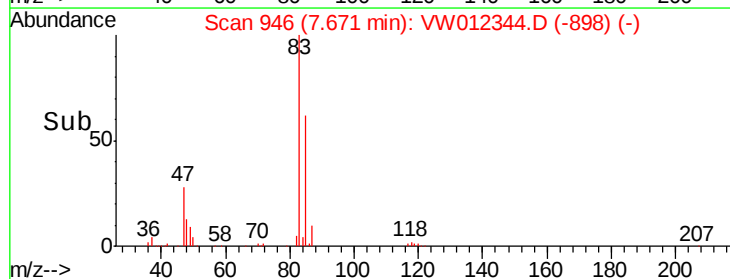
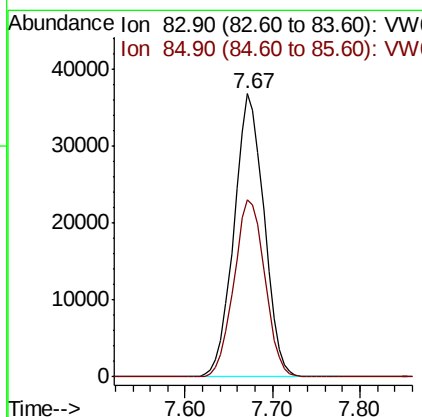
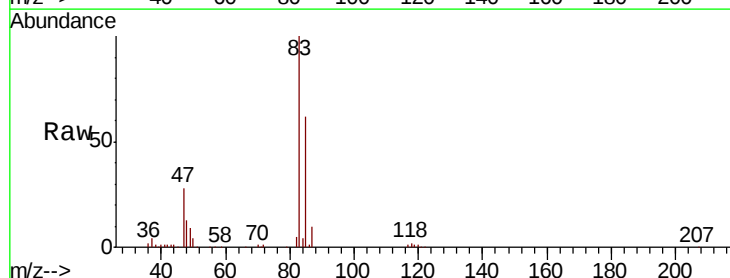
Manual Integrations
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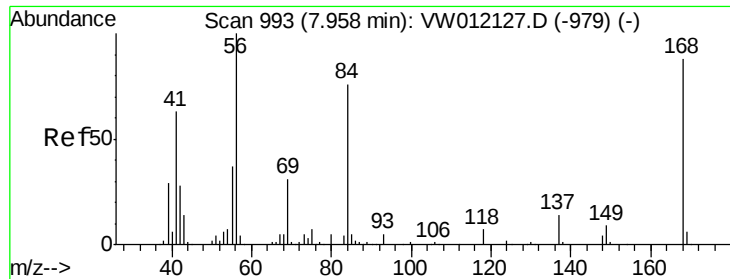
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#30
Chloroform
Concen: 20.298 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.6	76.0





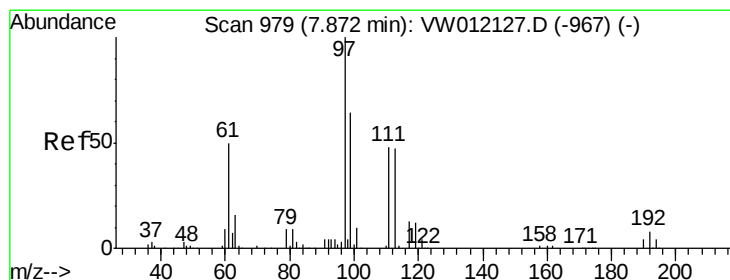
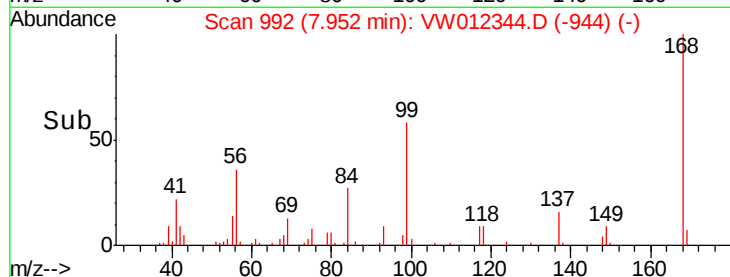
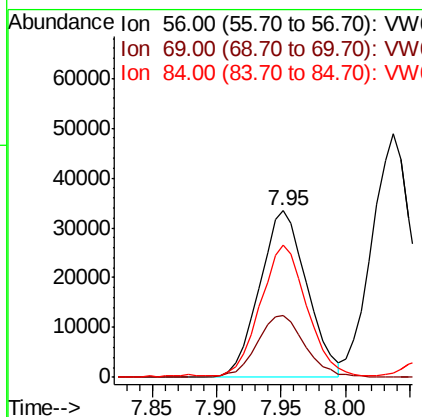
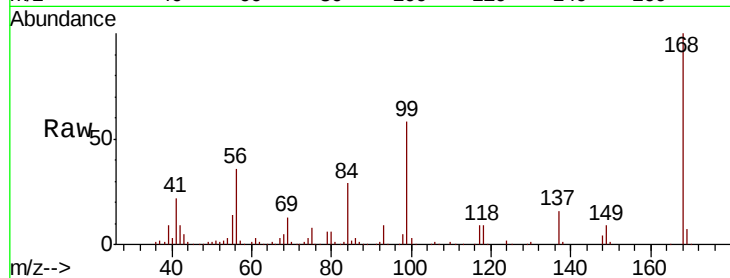
#31
Cyclohexane
Concen: 18.240 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	24.9	37.3
84	77.9	60.6	90.8

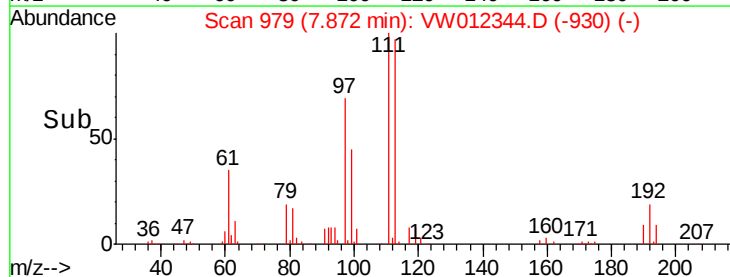
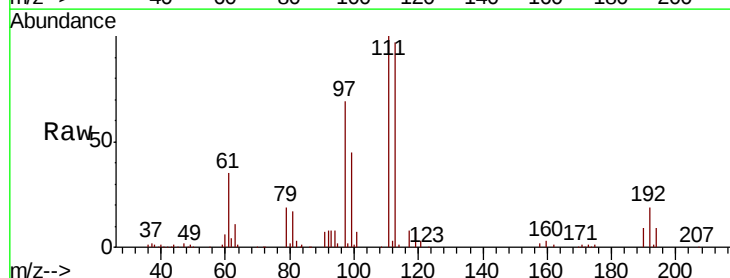
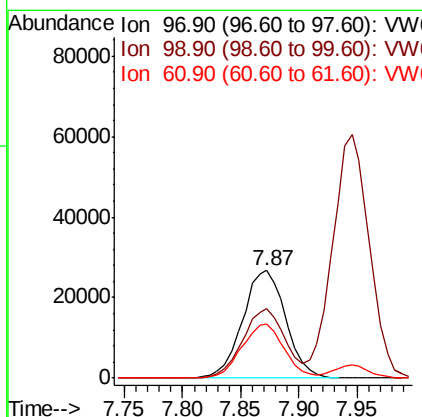
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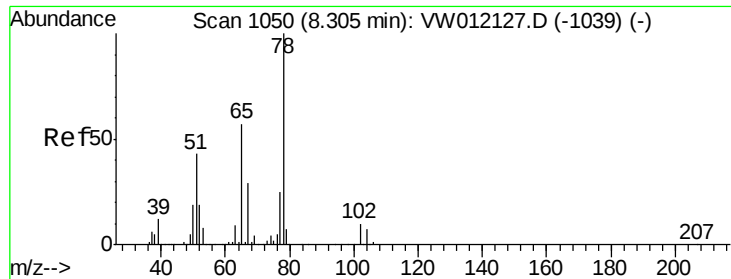
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#32
1,1,1-Trichloroethane
Concen: 20.067 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	49.9	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 52.292 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 65 Resp: 135758

Ion Ratio Lower Upper

65 100

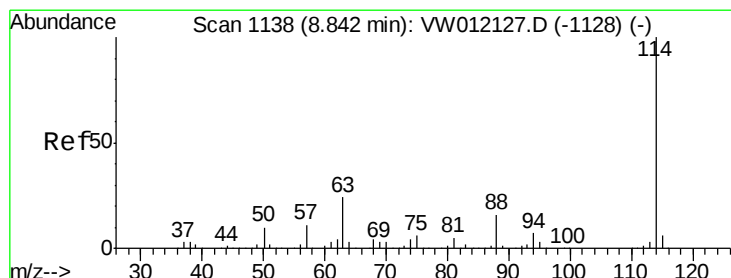
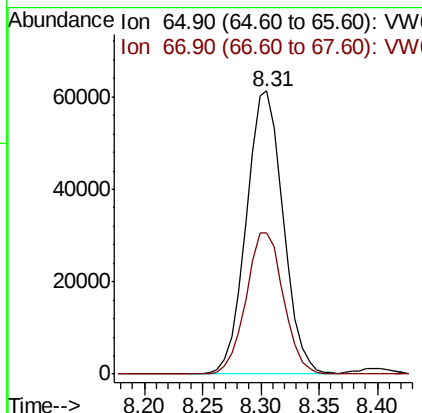
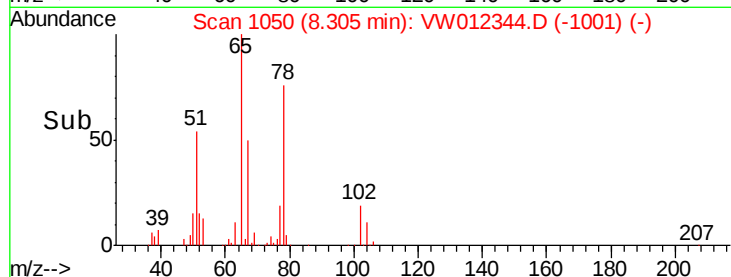
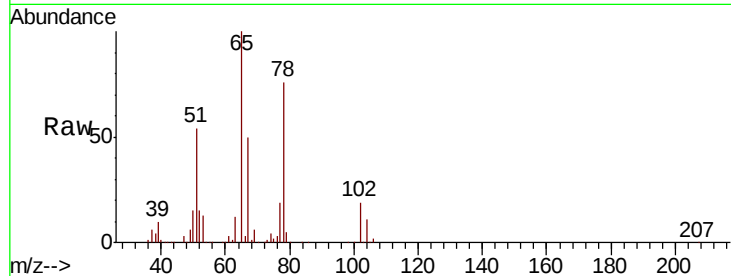
67 50.6 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

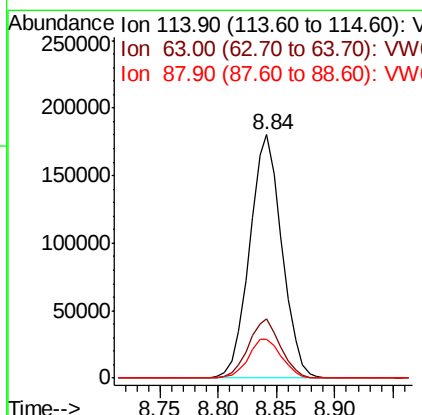
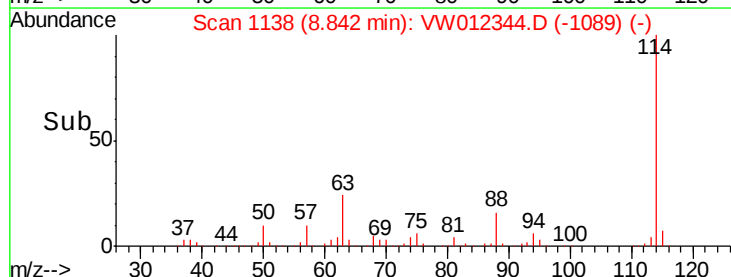
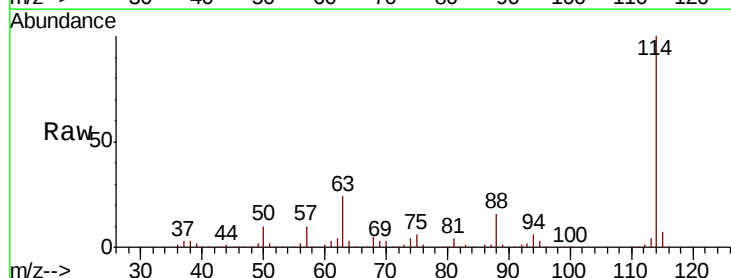
Tgt Ion: 114 Resp: 345939

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

88 16.0 0.0 32.2





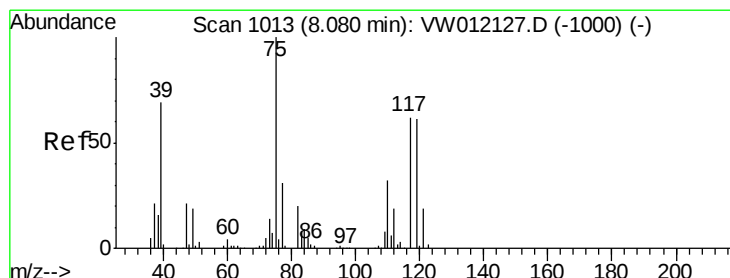
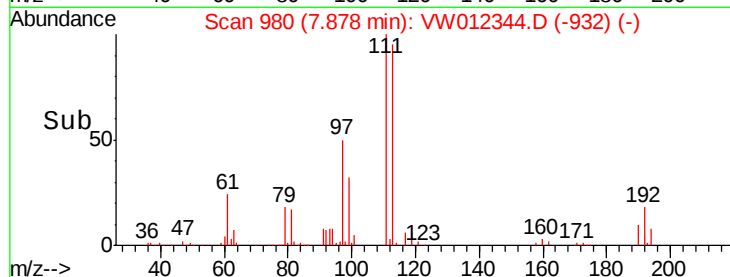
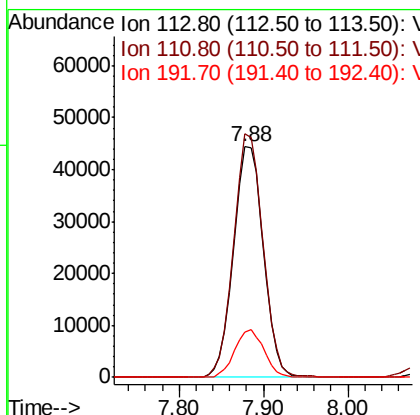
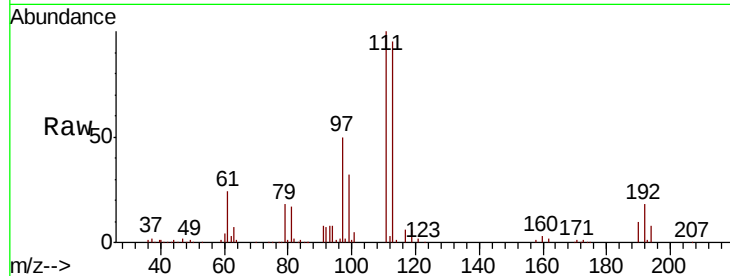
#35
 Dibromofluoromethane
 Concen: 51.464 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106269		
111	103.4	82.7	124.1	
192	20.3	16.2	24.2	

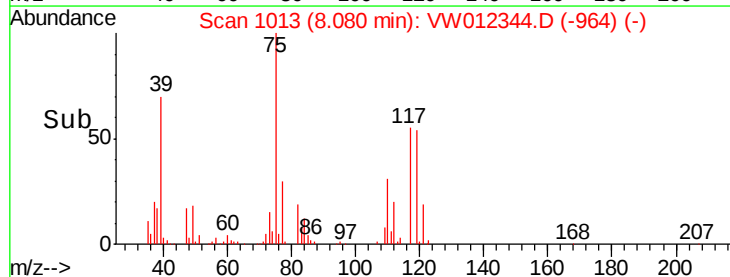
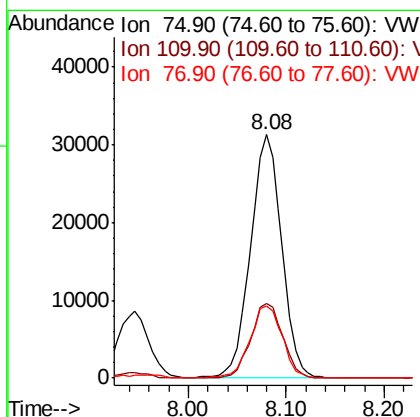
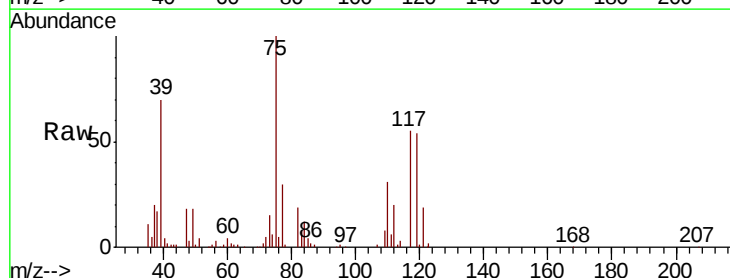
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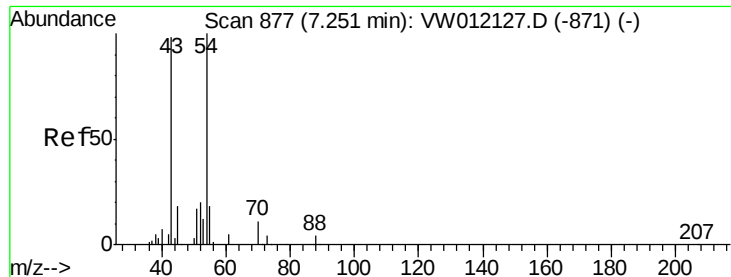
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#36
 1,1-Dichloropropene
 Concen: 19.473 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69615		
110	31.7	15.6	46.8	
77	30.9	24.6	36.8	





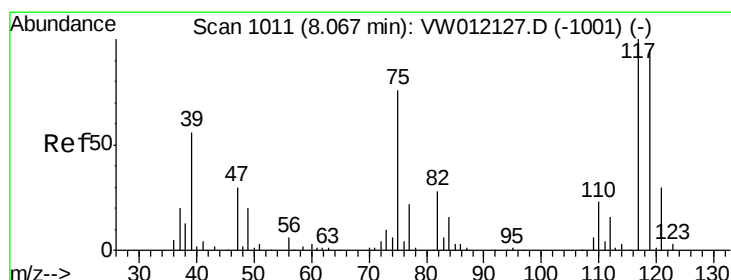
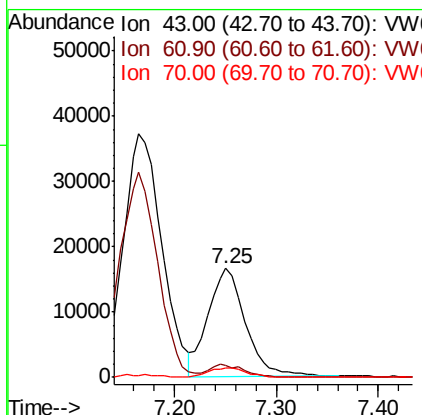
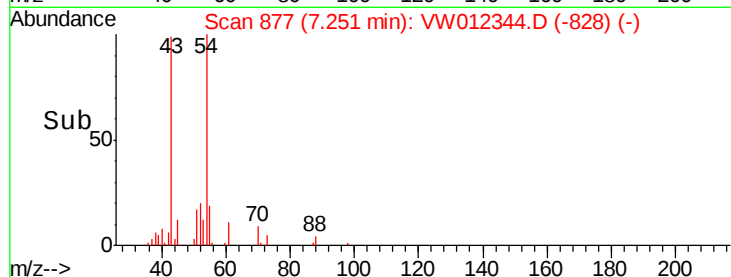
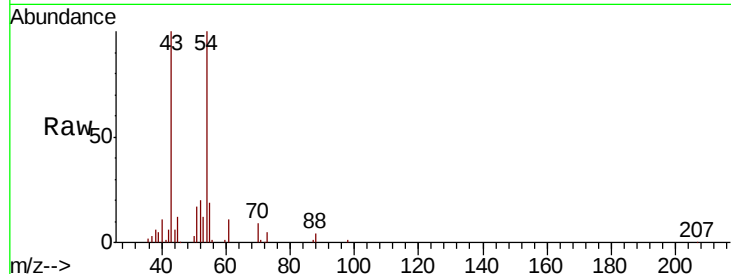
#37
Ethyl Acetate
Concen: 21.788 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampled :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.0	9.2	13.8
70	9.1	6.9	10.3

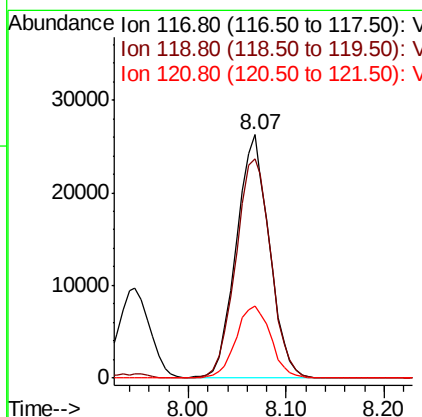
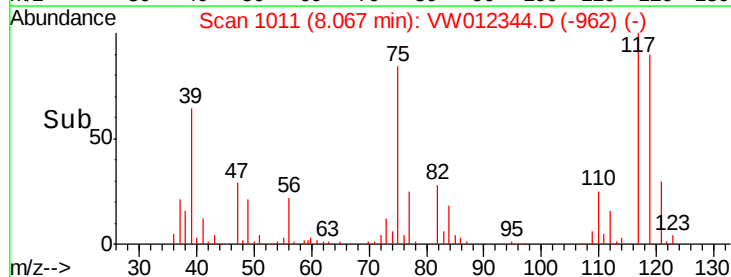
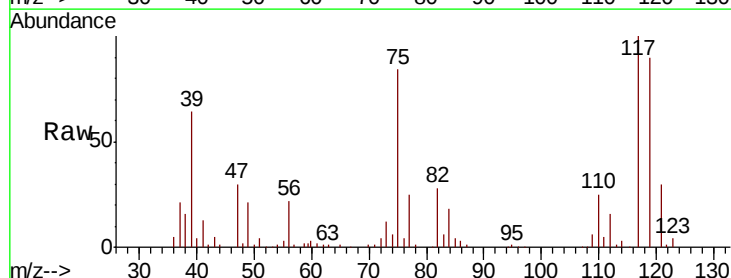
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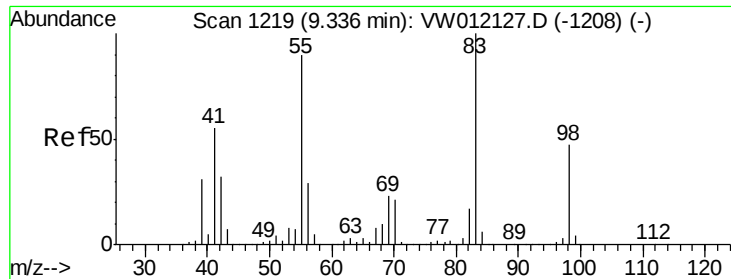
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#38
Carbon Tetrachloride
Concen: 19.911 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	76.2	114.2
121	29.5	23.8	35.8





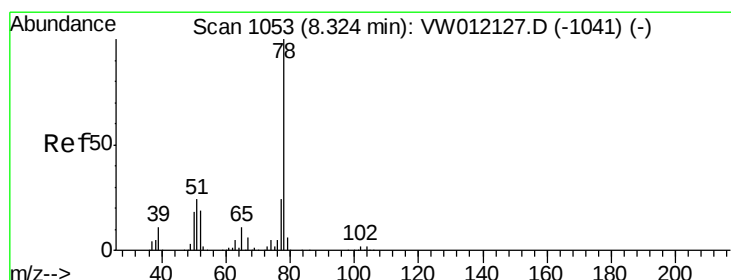
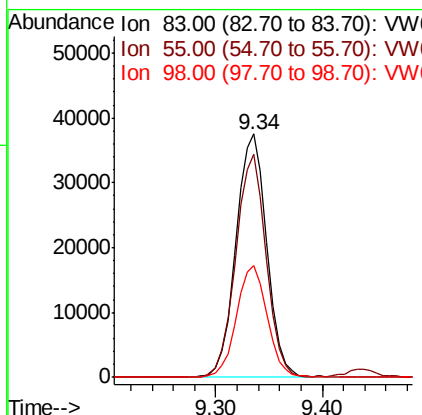
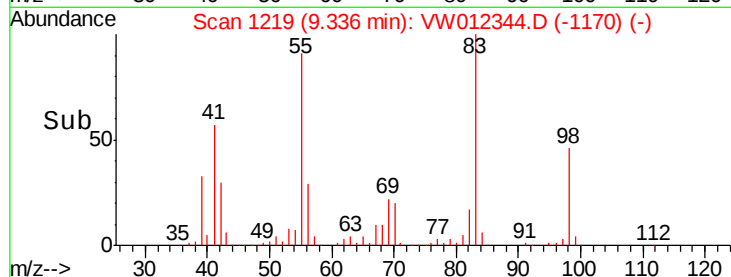
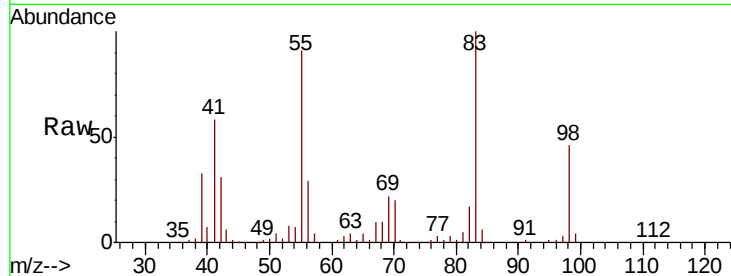
#39
Methvlcvclohexane
Concen: 19.002 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	83.00	Resp	76314
Ion Ratio	100	Lower	Upper
83	100		
55	91.2	71.8	107.8
98	46.0	37.8	56.8

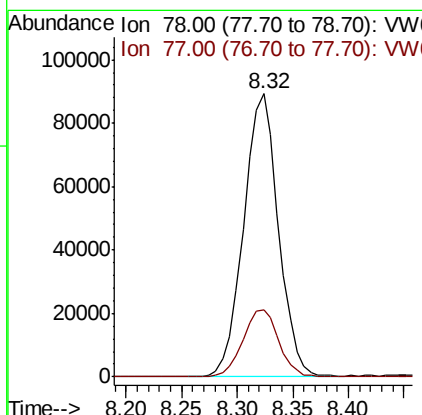
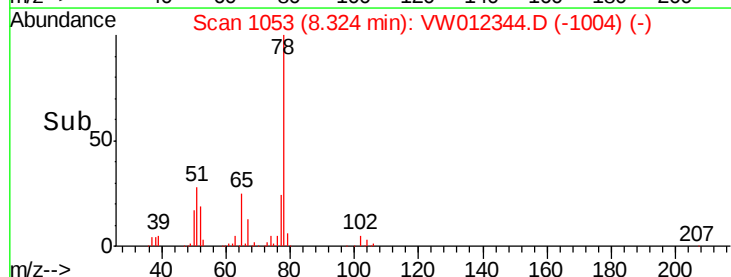
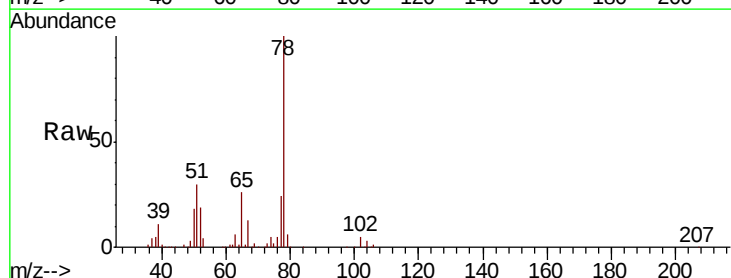
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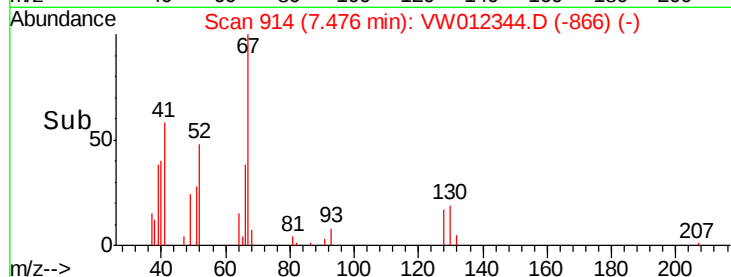
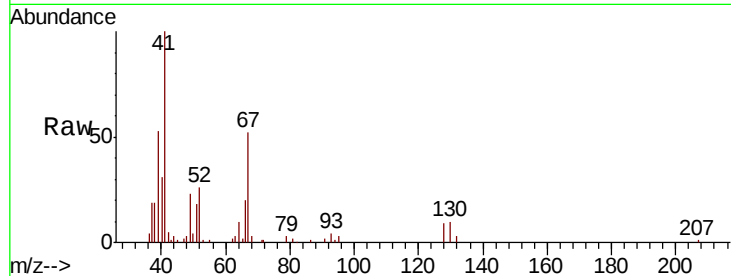
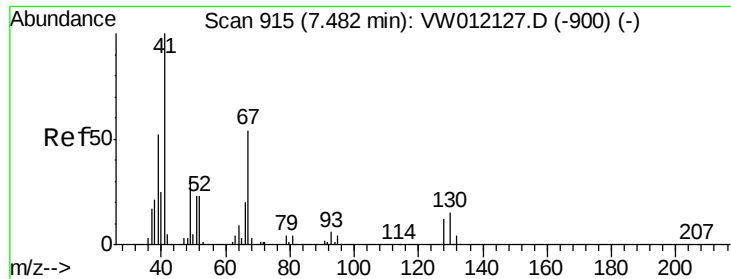
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#40
Benzene
Concen: 19.832 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	78	Resp	193587
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.5	29.3





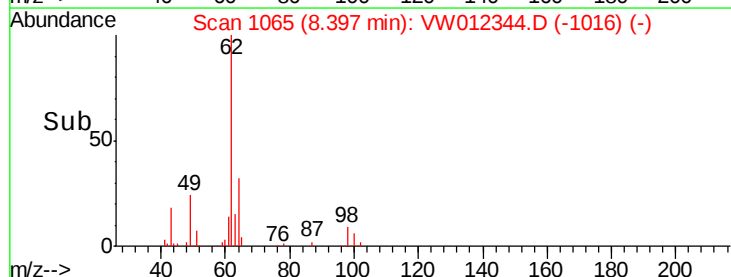
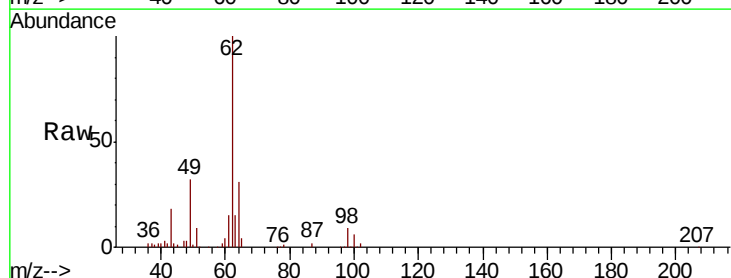
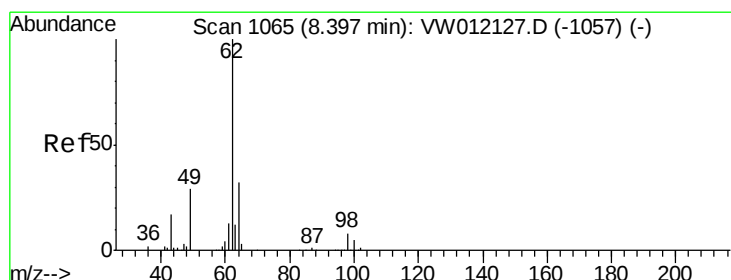
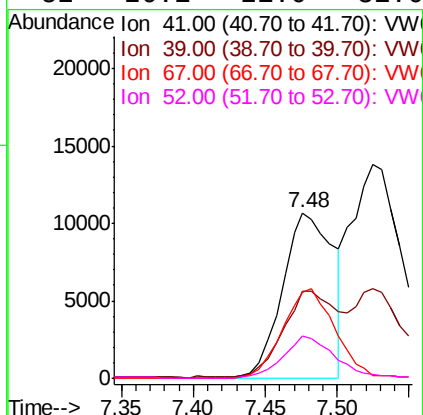
#41
Methacrylonitrile
Concen: 22.846 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tot Ion	41	Resp	26304
Ion	Ratio	Lower	Upper
41	100		
39	58.0	45.8	68.8
67	55.8	46.2	69.4
52	26.1	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

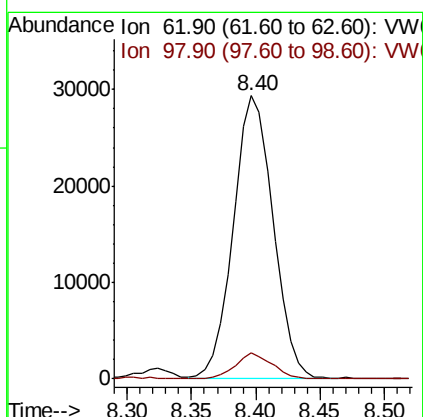
Manual Integrations
APPROVED

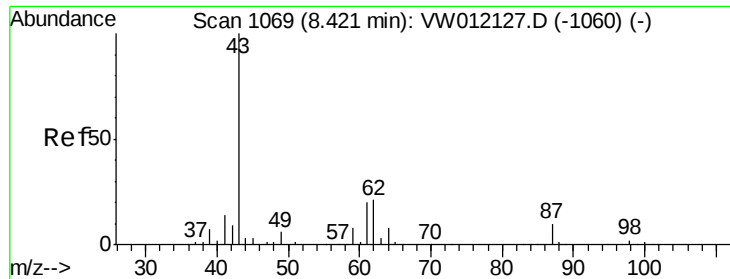
MMDadoda
8/31/2019 9:11:11 AM



#42
1,2-Dichloroethane
Concen: 20.522 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	62	Resp	62783
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.846 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 43 Resp: 79272

Ion Ratio Lower Upper

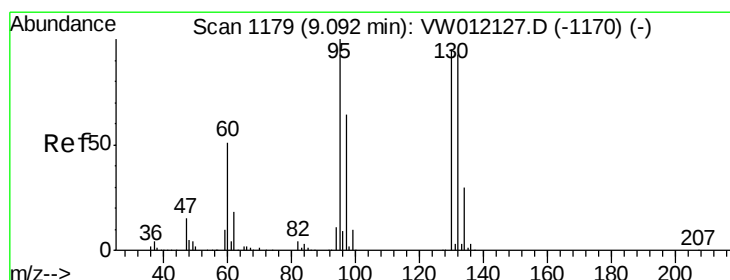
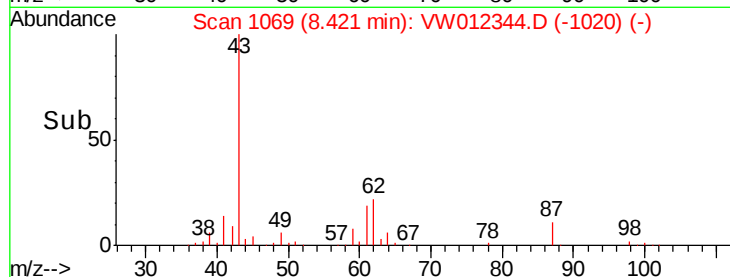
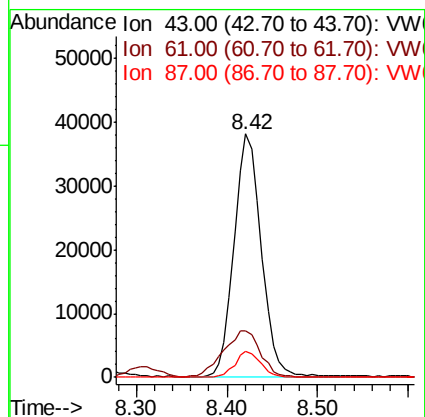
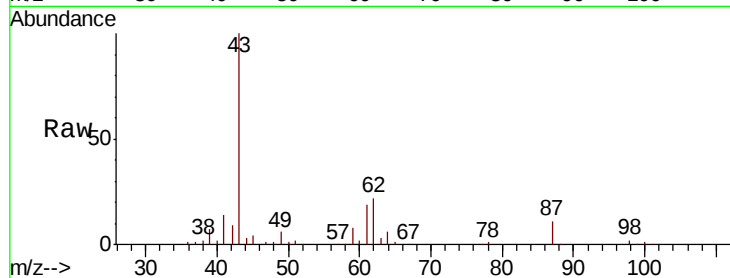
43 100

61 25.9 21.1 31.7

87 10.4 8.2 12.2

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#44

Trichloroethene

Concen: 20.127 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012344.D

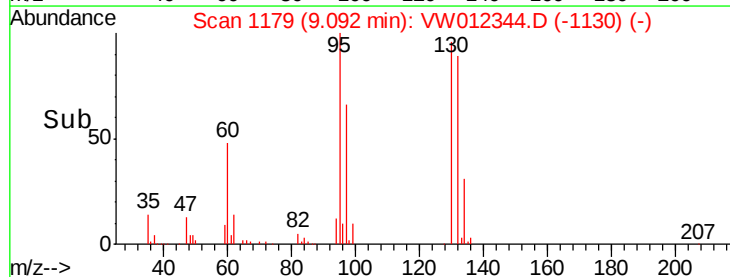
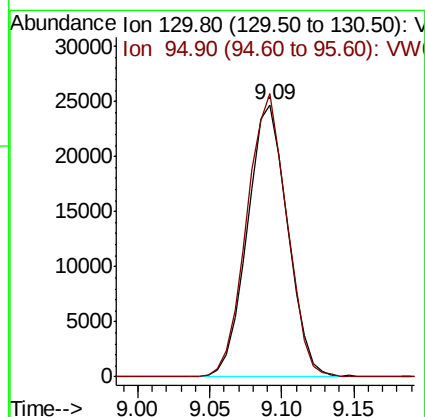
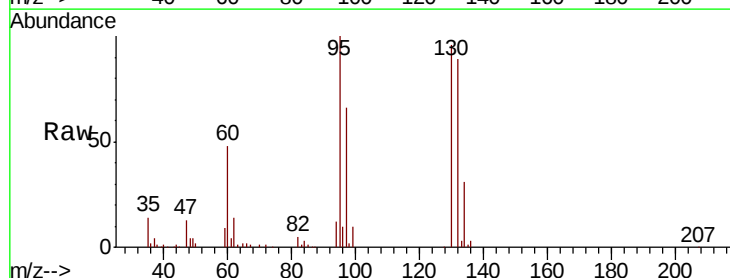
Acq: 30 Aug 2019 11:34

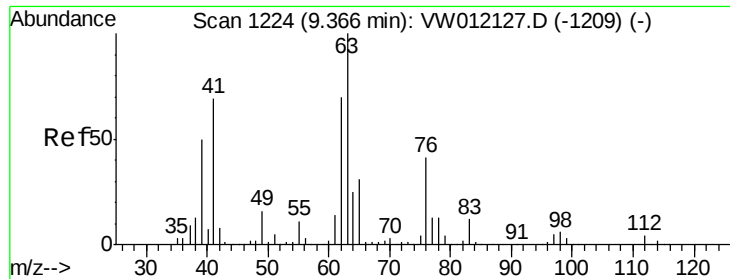
Tgt Ion: 130 Resp: 47761

Ion Ratio Lower Upper

130 100

95 104.1 0.0 210.6





#45

1,2-Dichloropropane

Concen: 20.103 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 63 Resp: 52813

Ion Ratio Lower Upper

63 100

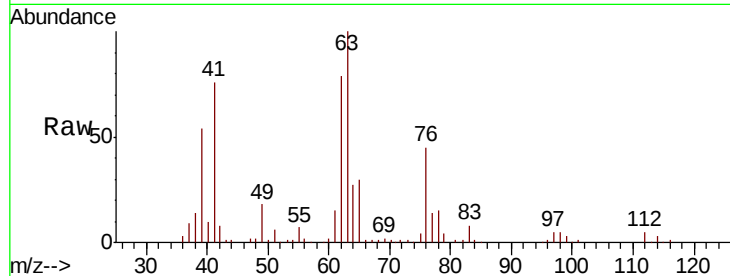
65 29.8 25.0 37.4

Manual Integrations

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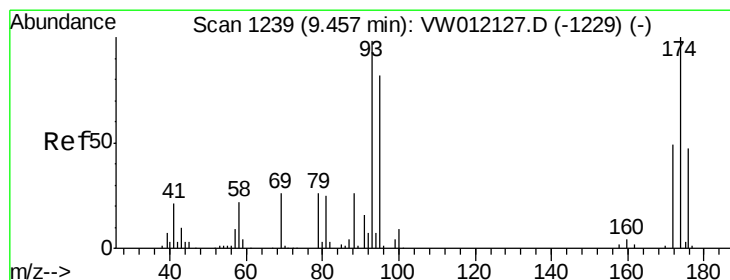
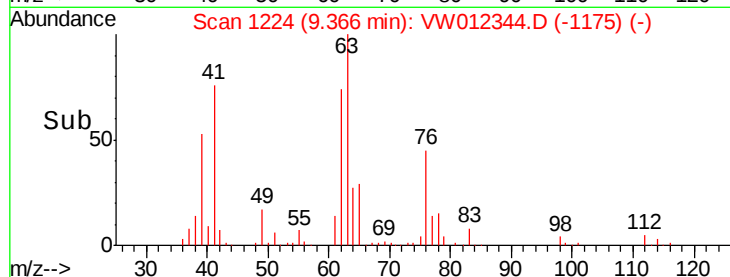
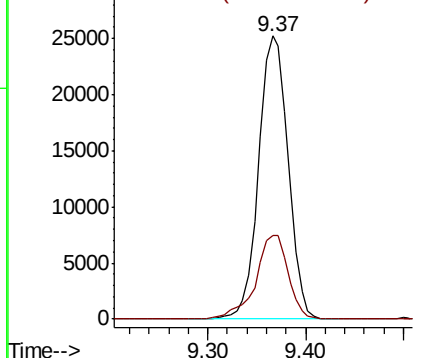
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.746 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

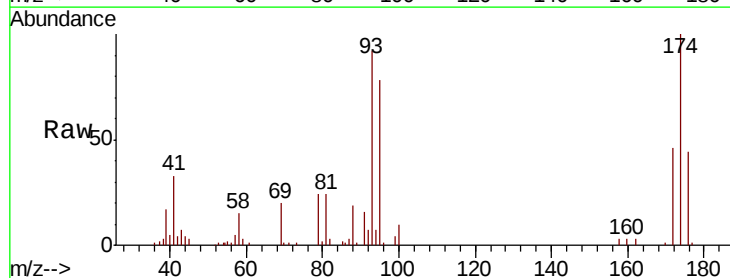
Tgt Ion: 93 Resp: 24249

Ion Ratio Lower Upper

93 100

95 82.3 67.2 100.8

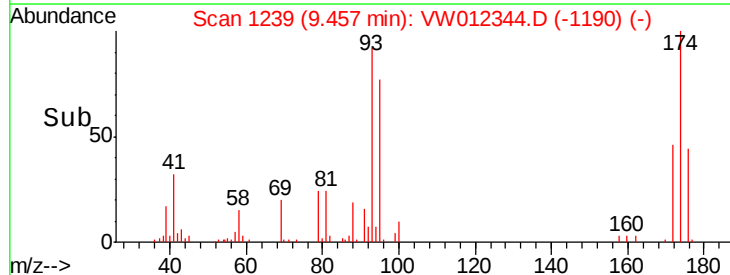
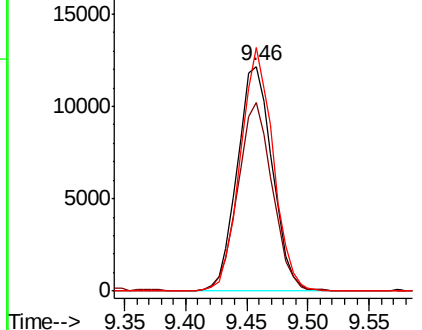
174 101.2 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





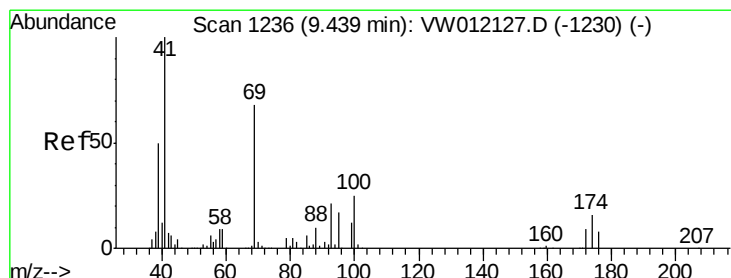
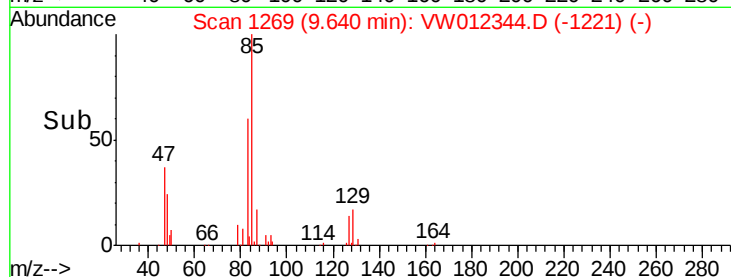
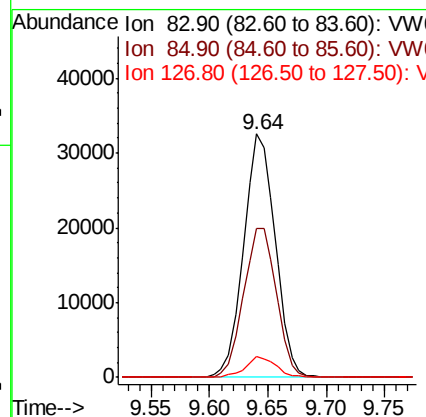
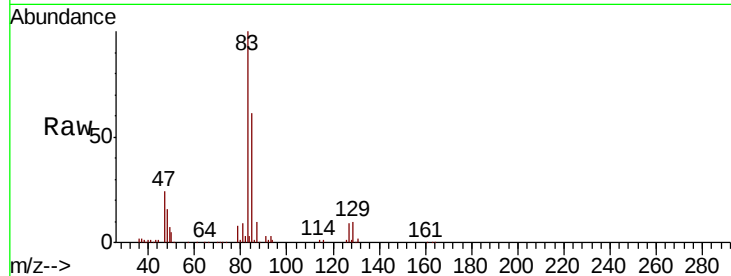
#47
 Bromodichloromethane
 Concen: 19.865 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	49.4	74.2
127	8.8	6.1	9.1

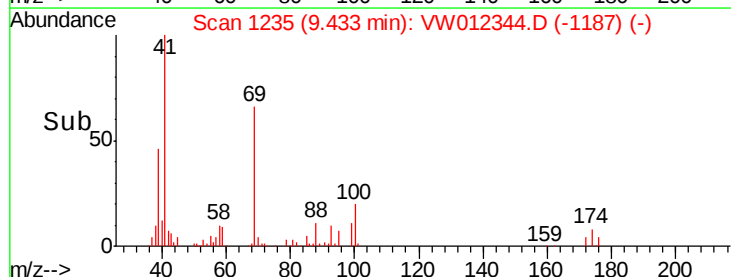
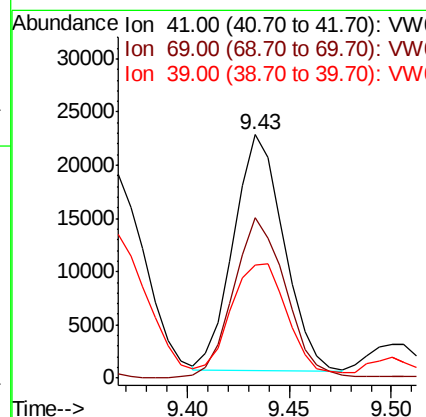
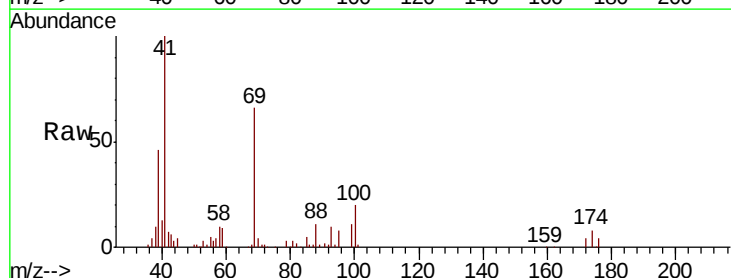
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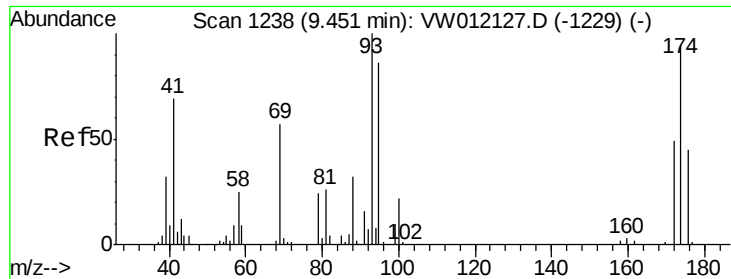
MMDadoda
 8/31/2019 9:11:11 AM



#48
 Methyl methacrylate
 Concen: 21.958 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.8	56.7	85.1
39	50.4	42.0	63.0





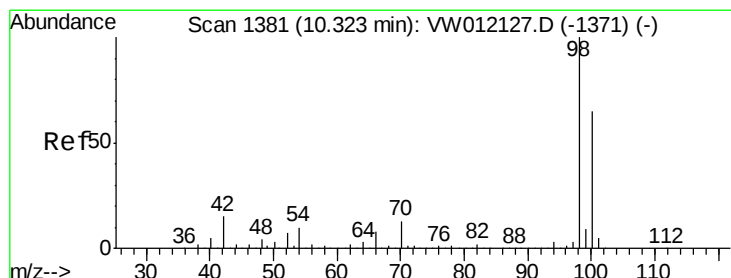
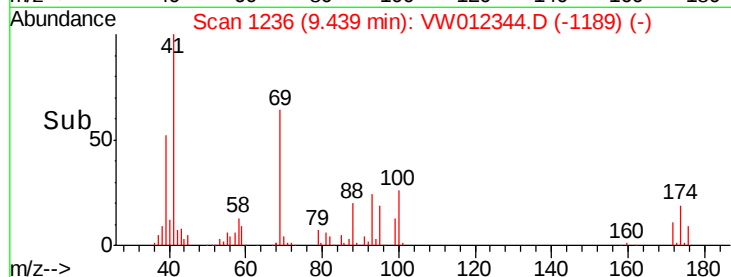
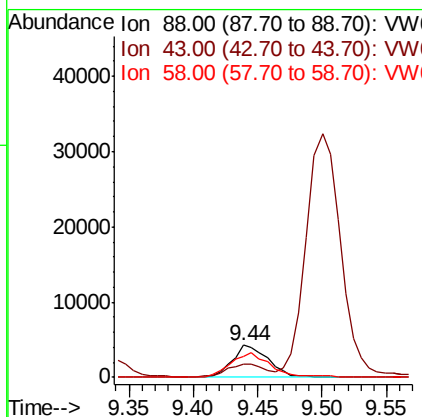
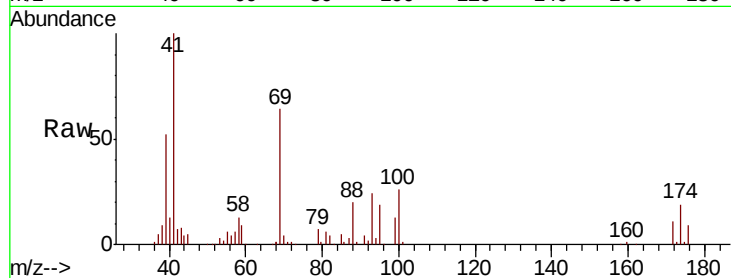
#49
1,4-Dioxane
Concen: 458.474 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion: 88 Resp: 8204
Ion Ratio Lower Upper
88 100
43 41.1 32.9 49.3
58 82.2 71.0 106.4

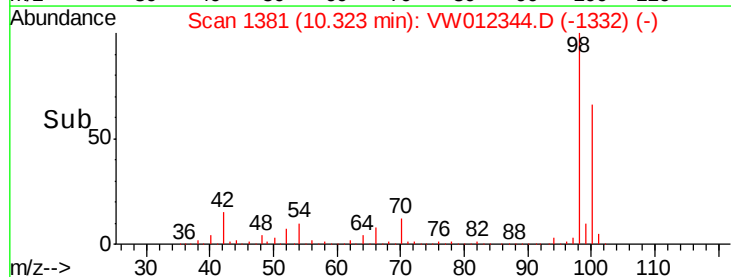
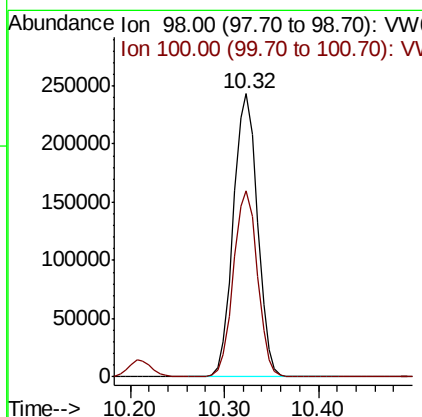
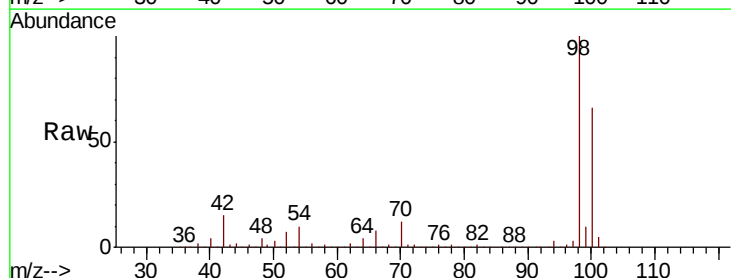
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#50
Toluene-d8
Concen: 51.713 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion: 98 Resp: 432972
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 114.866 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 43 Resp: 212001

Ion Ratio Lower Upper

43 100

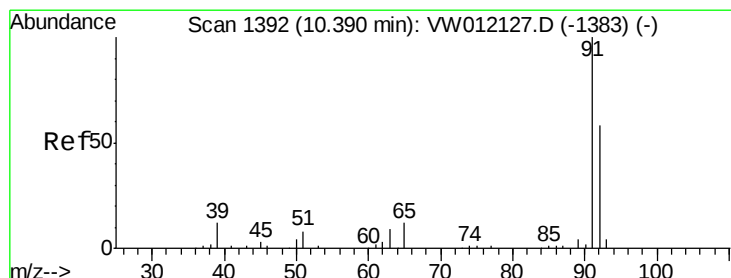
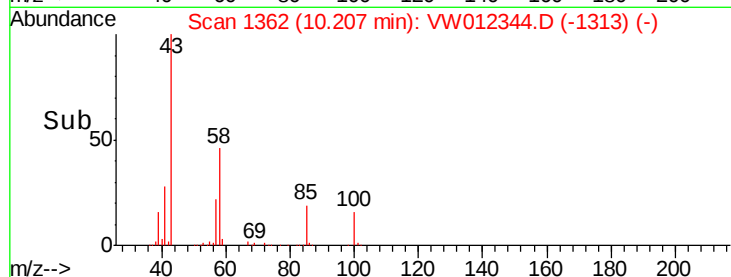
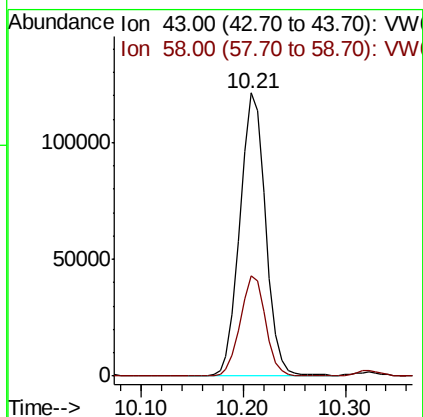
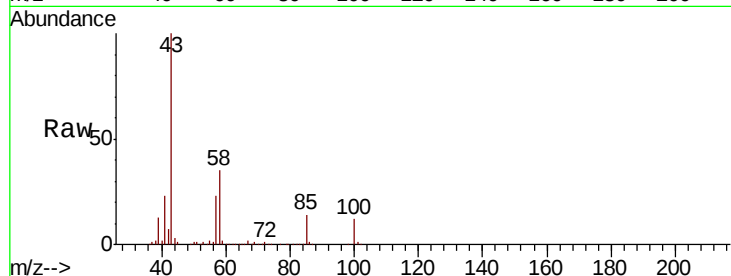
58 35.0 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 19.921 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012344.D

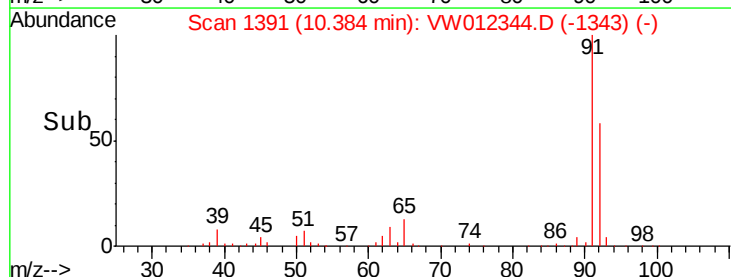
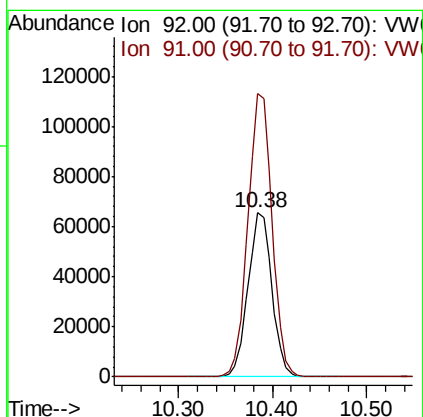
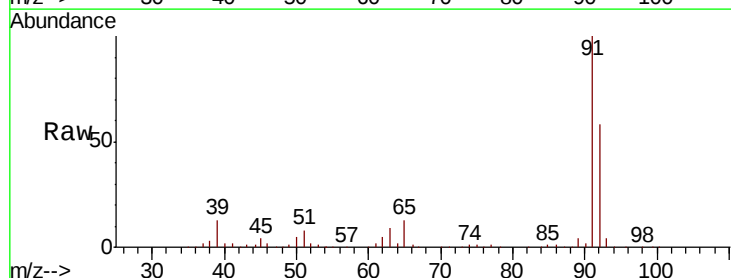
Acq: 30 Aug 2019 11:34

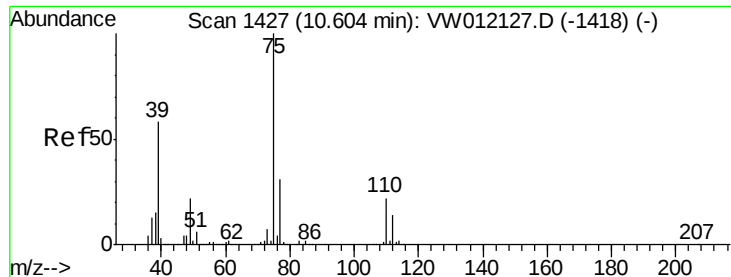
Tgt Ion: 92 Resp: 116817

Ion Ratio Lower Upper

92 100

91 174.5 136.6 204.8





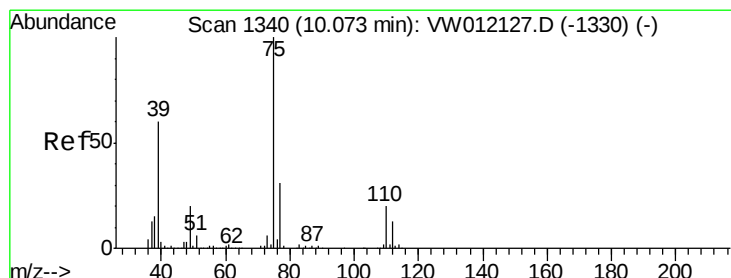
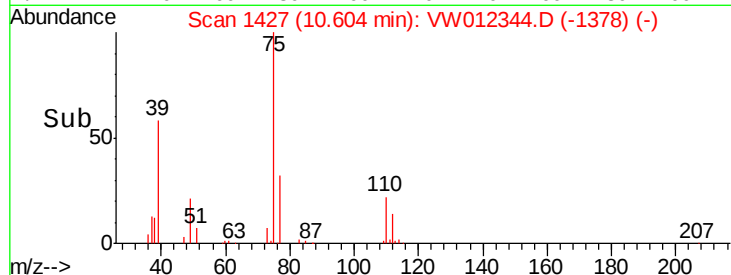
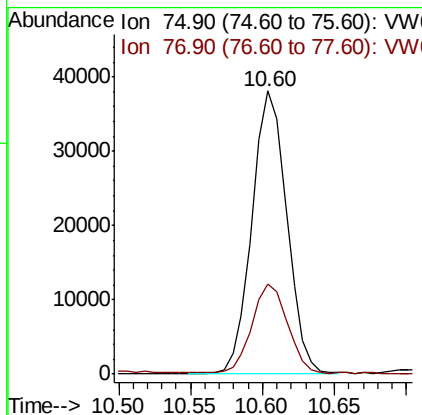
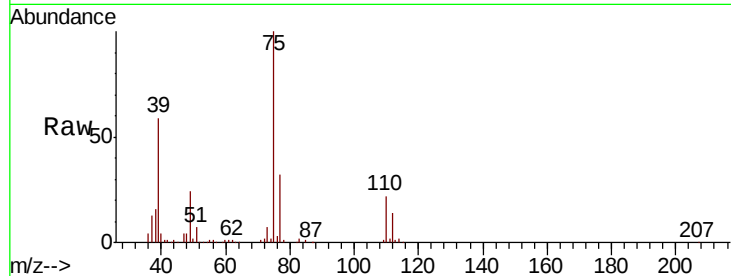
#53
t-1,3-Dichloropropene
Concen: 20.177 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion: 75 Resp: 63938
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4

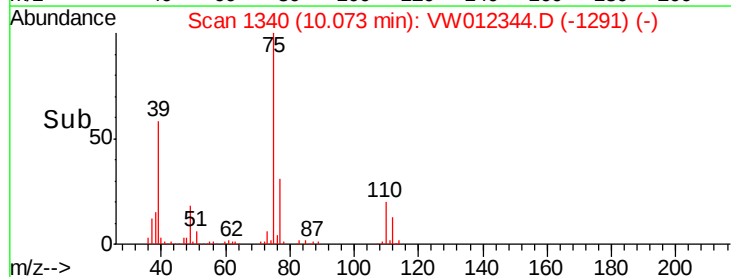
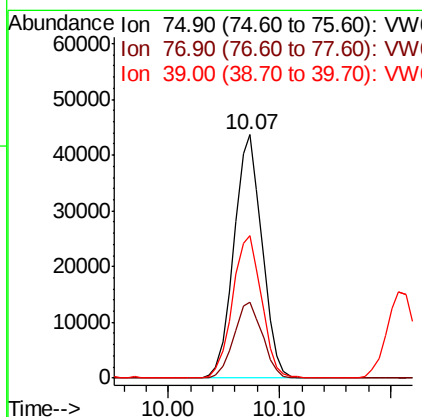
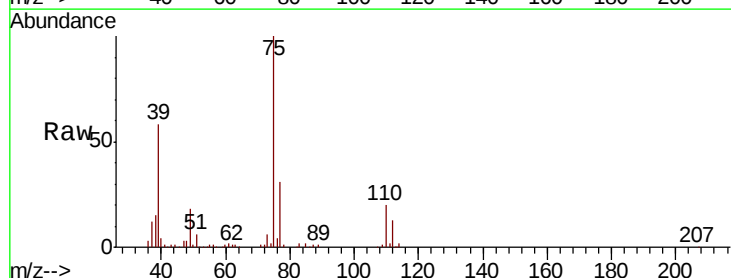
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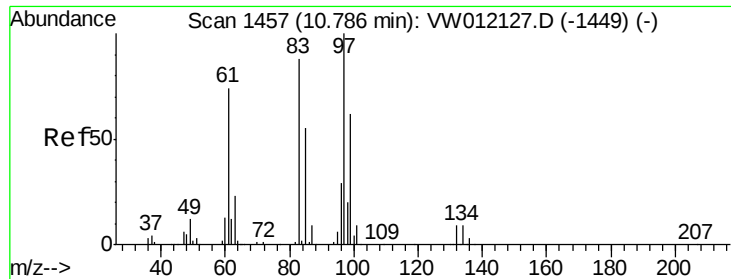
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#54
cis-1,3-Dichloropropene
Concen: 19.916 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion: 75 Resp: 76203
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 58.2 48.3 72.5





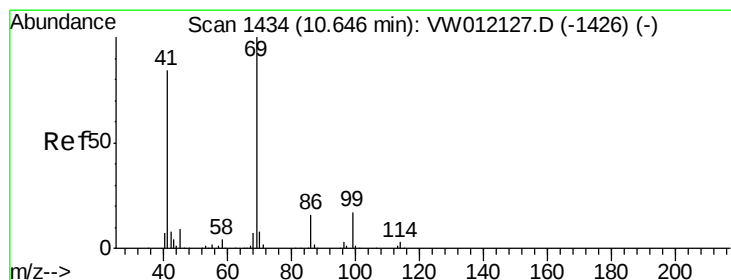
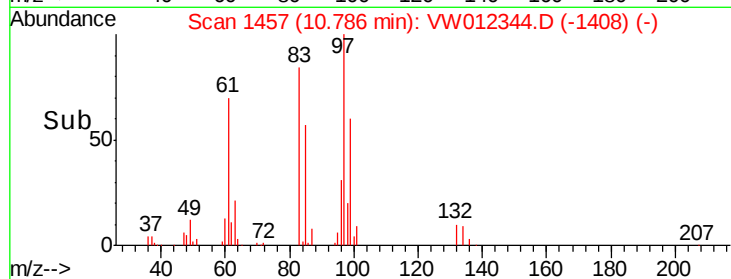
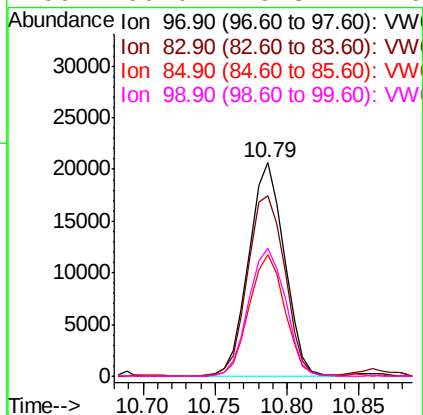
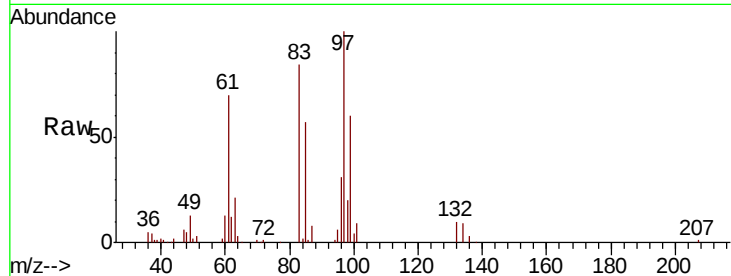
#55
 1,1,2-Trichloroethane
 Concen: 21.362 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion:	97	Resp:	35329
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.8	106.2
85	56.8	43.8	65.8
99	60.0	49.8	74.6

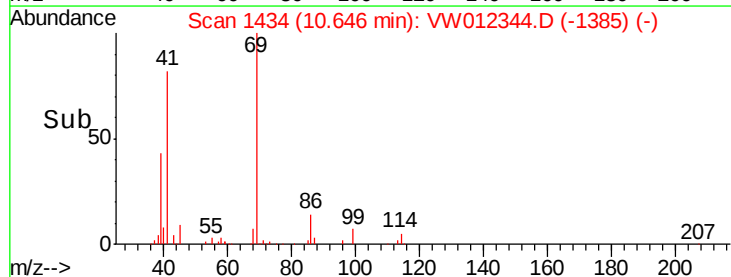
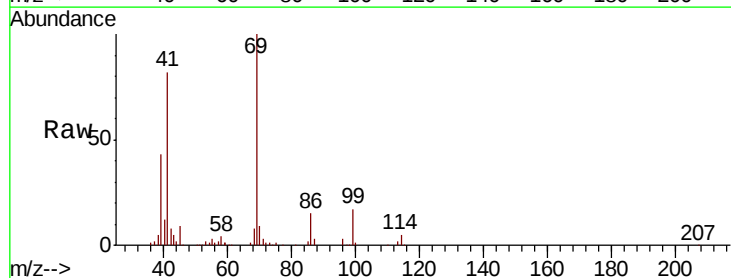
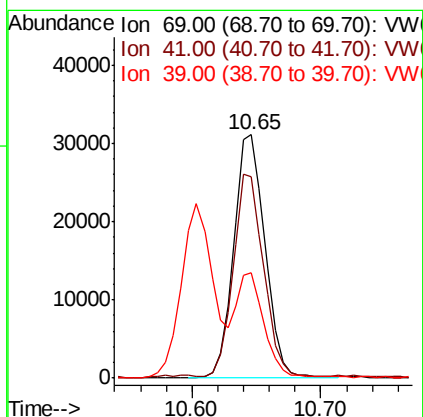
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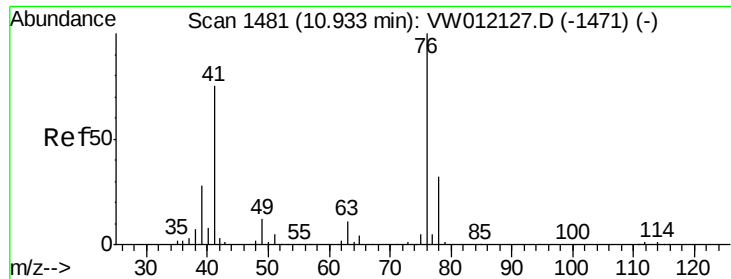
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#56
 Ethyl methacrylate
 Concen: 21.757 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion:	69	Resp:	52368
Ion	Ratio	Lower	Upper
69	100		
41	80.0	66.5	99.7
39	37.6	31.0	46.4





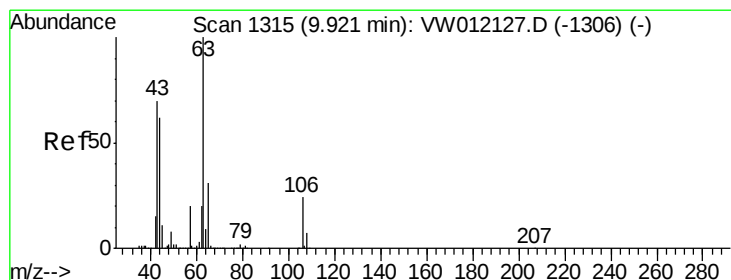
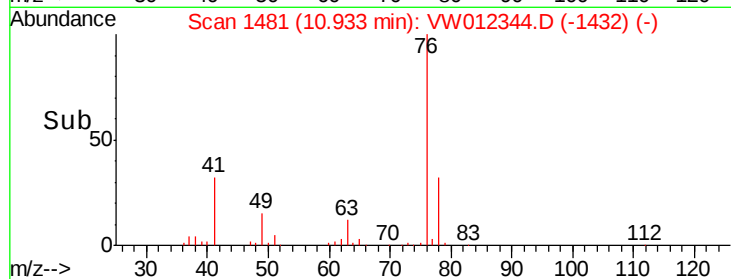
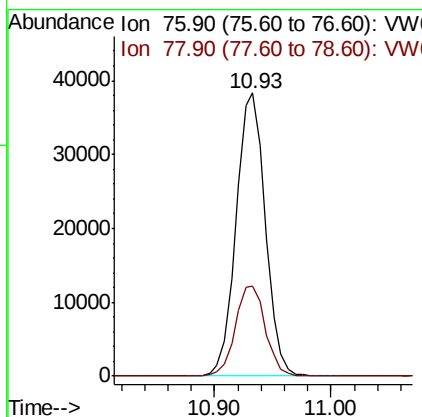
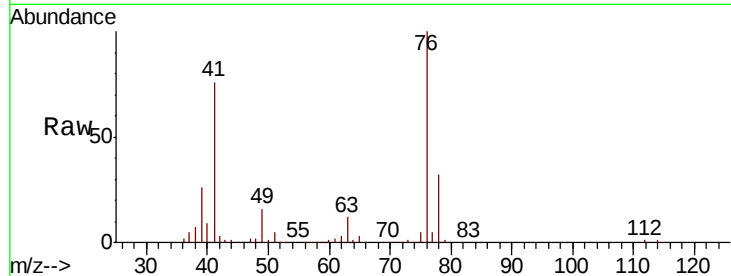
#57
 1,3-Dichloropropane
 Concen: 21.430 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion: 76 Resp: 66975
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8

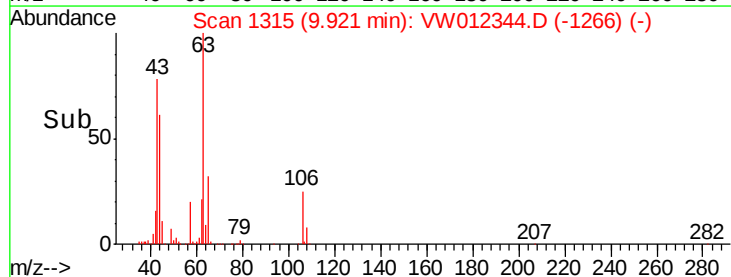
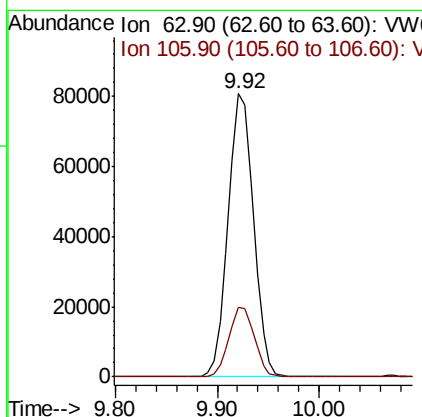
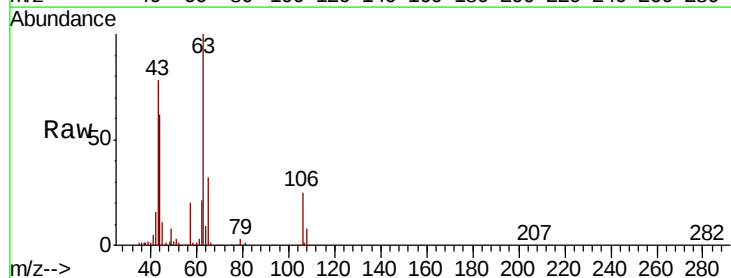
Manual Integrations
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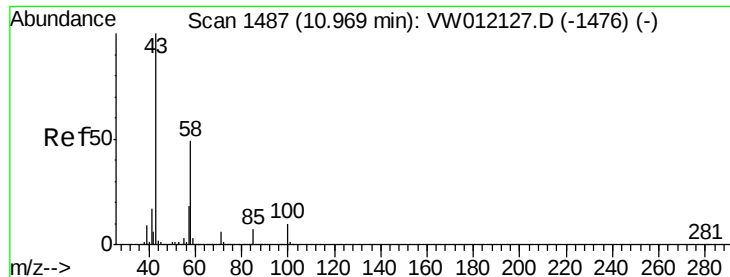
MMDadoda
 8/31/2019 9:11:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.631 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion: 63 Resp: 139134
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8





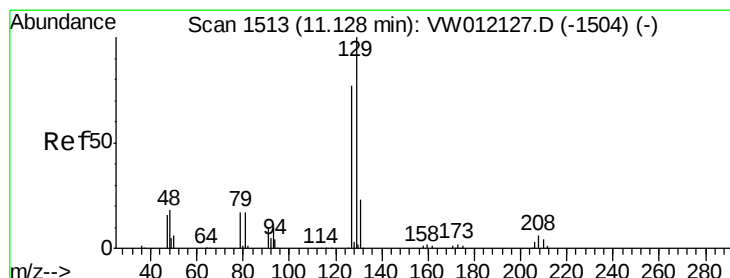
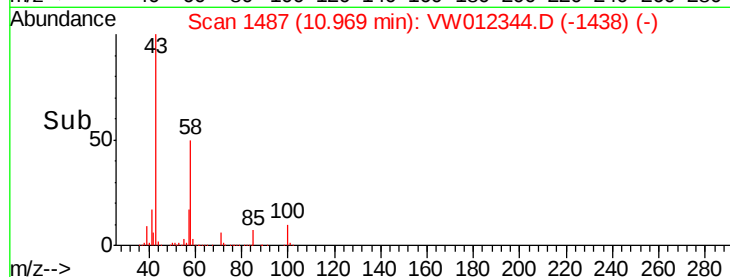
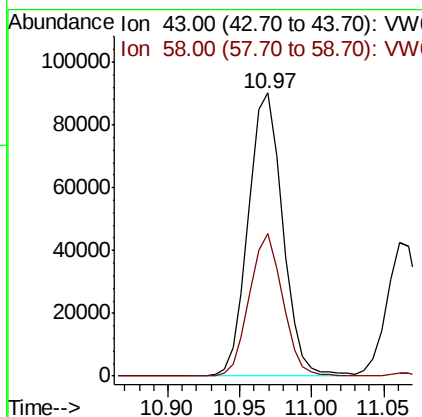
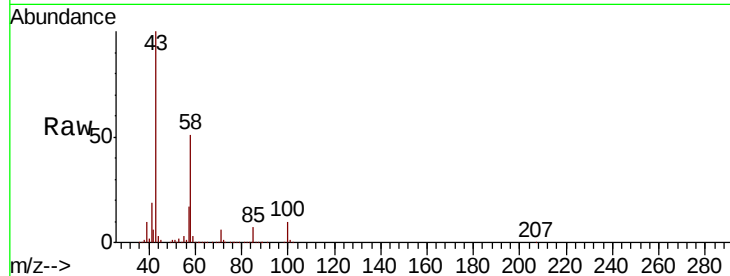
#59
2-Hexanone
Concen: 114.006 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion: 43 Resp: 148882
Ion Ratio Lower Upper
43 100
58 48.9 24.3 72.9

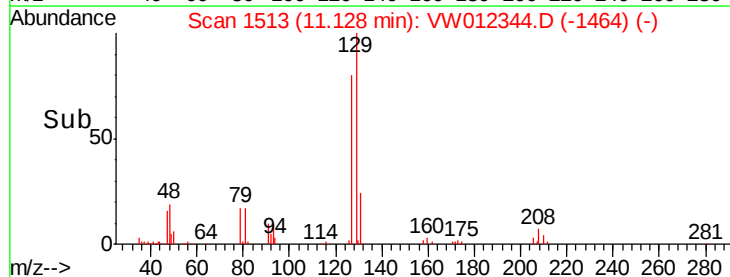
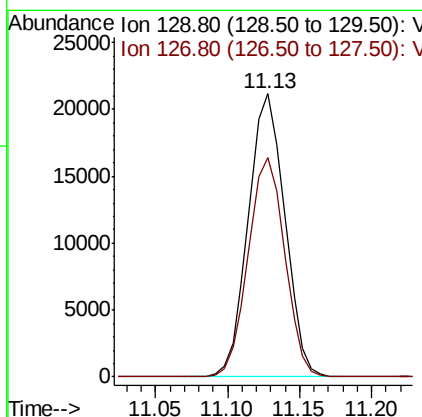
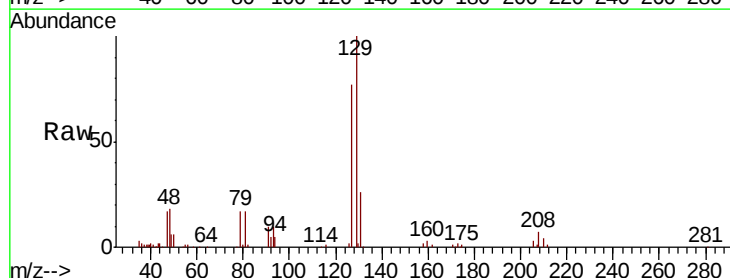
Manual Integrations
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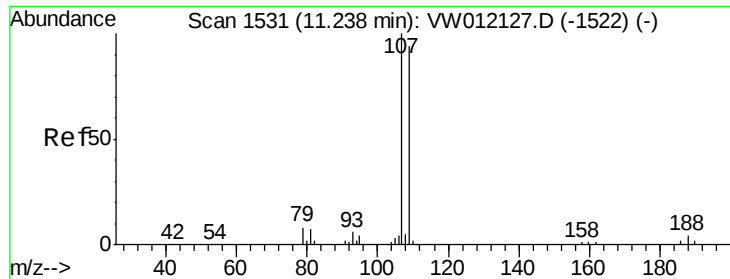
MMDadoda
8/31/2019 9:11:11 AM



#60
Dibromochloromethane
Concen: 20.207 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion: 129 Resp: 37222
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





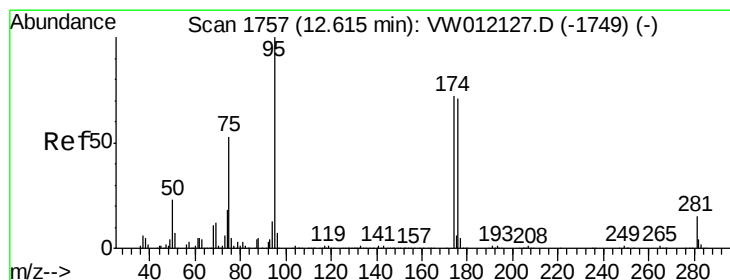
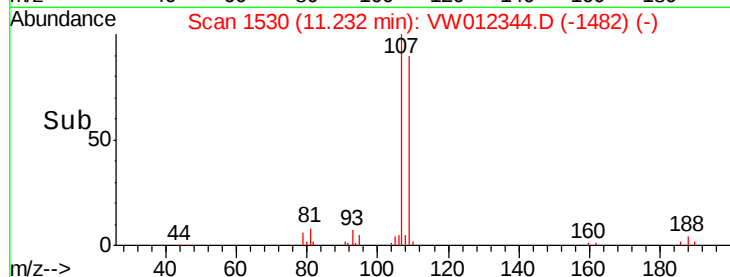
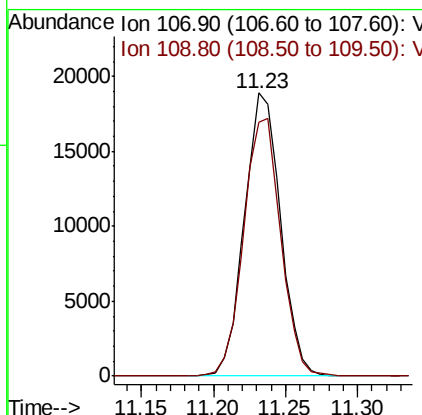
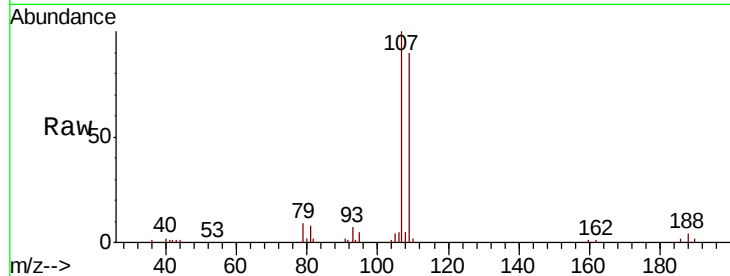
#61
 1,2-Dibromoethane
 Concen: 21.289 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.4	113.2

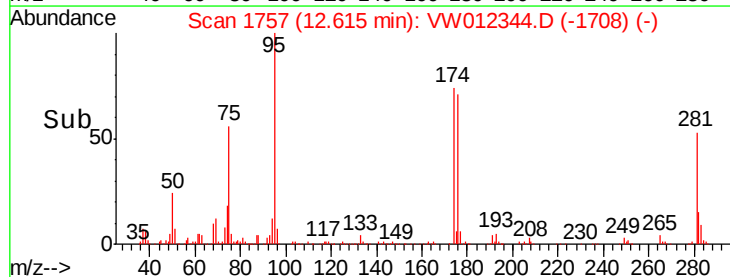
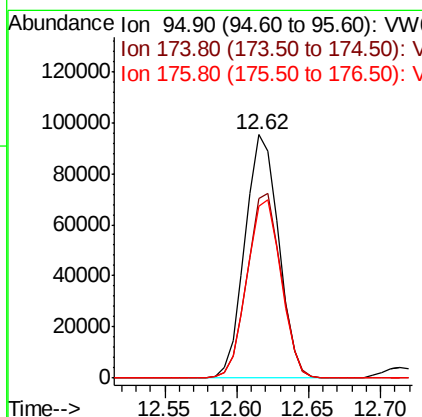
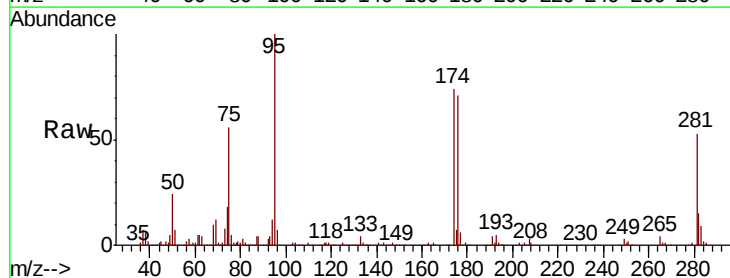
Manual Integrations
 APPROVED

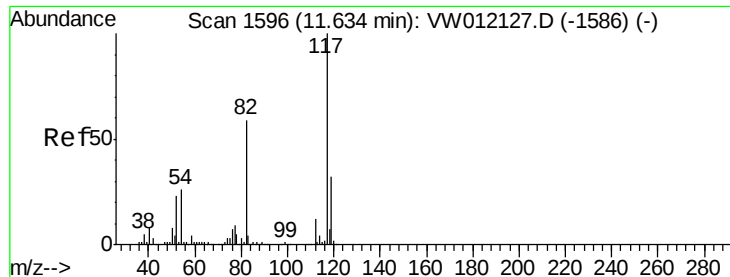
MMDadoda
 8/31/2019 9:11:11 AM



#62
 4-Bromofluorobenzene
 Concen: 52.217 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	150.8
176	74.5	0.0	148.6





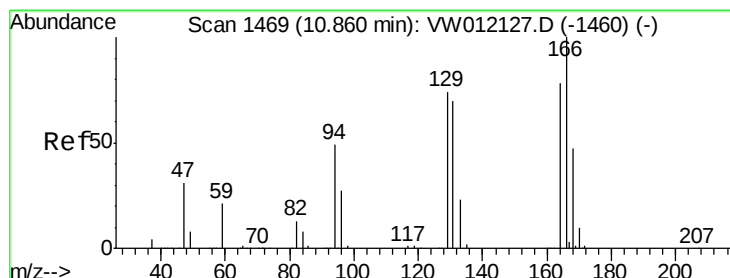
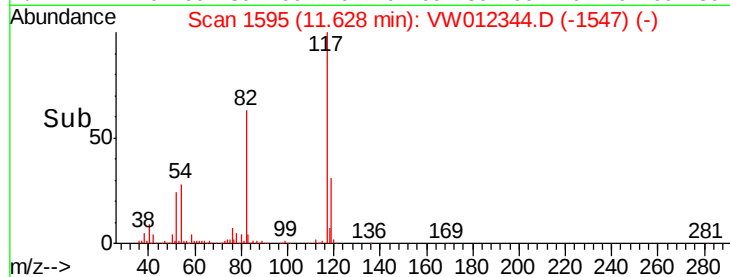
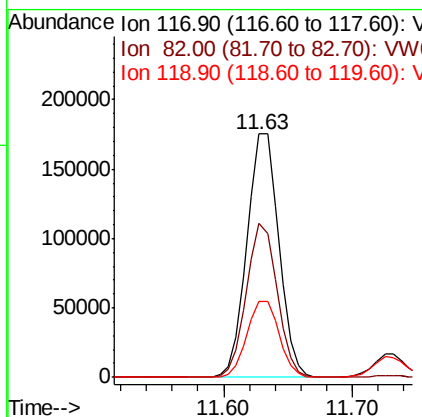
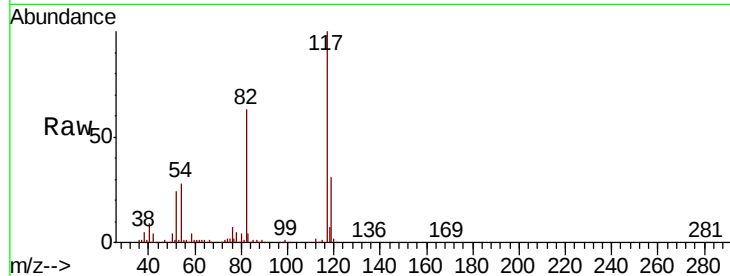
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	300151		
82	63.4		47.4	71.2
119	31.0		25.4	38.2

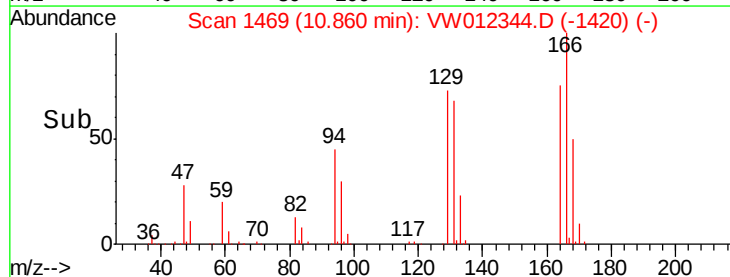
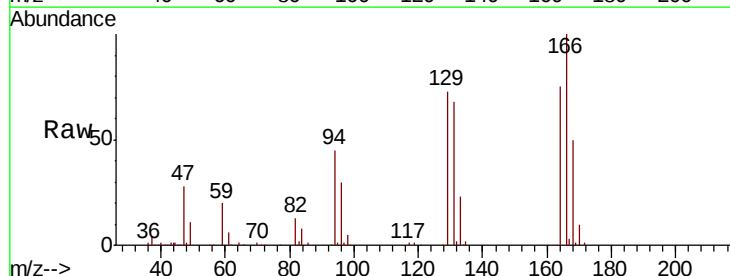
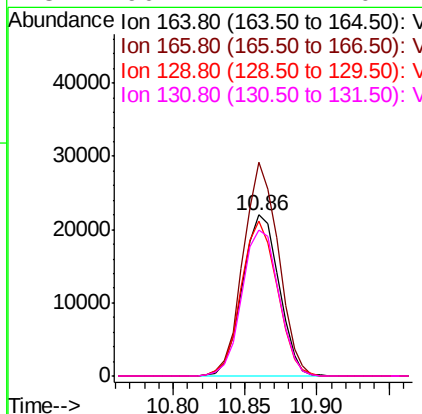
Manual Integrations
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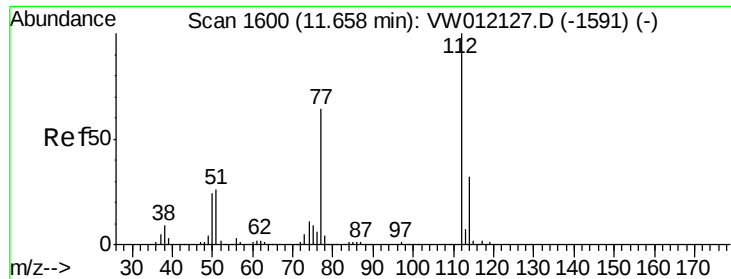
MMDadoda
8/31/2019 9:11:11 AM



#64
Tetrachloroethene
Concen: 19.891 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38708		
166	132.6		102.4	153.6
129	96.5		75.8	113.6
131	90.7		71.4	107.2





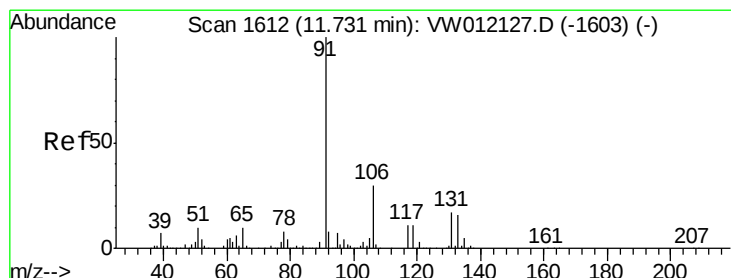
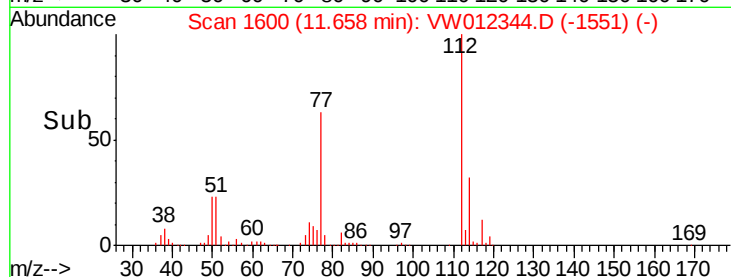
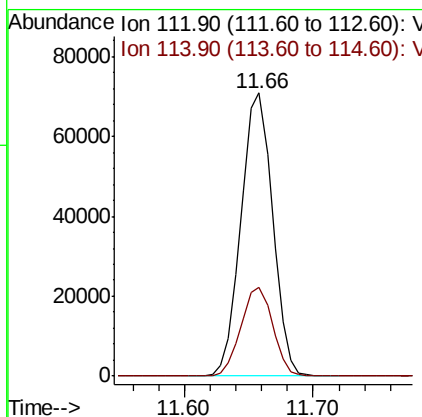
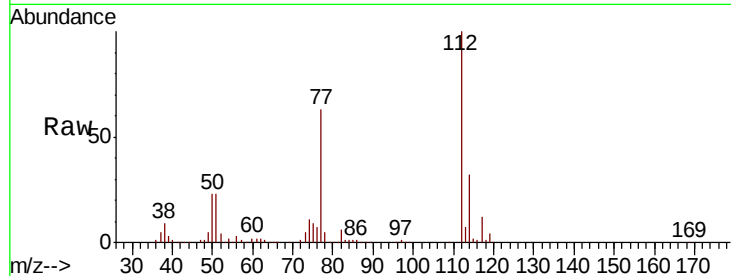
#65
Chlorobenzene
Concen: 20.379 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion:112 Resp: 120444
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

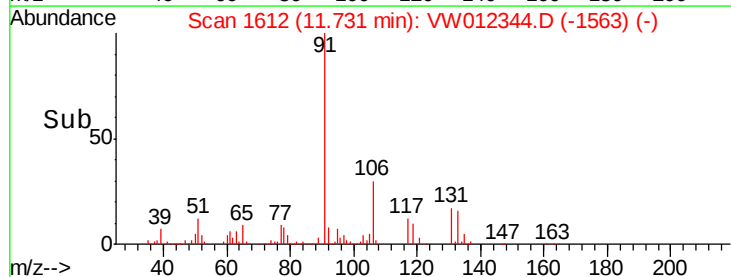
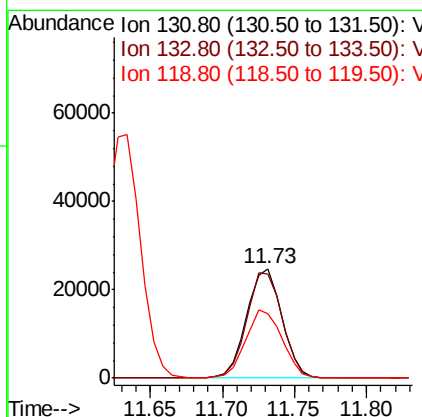
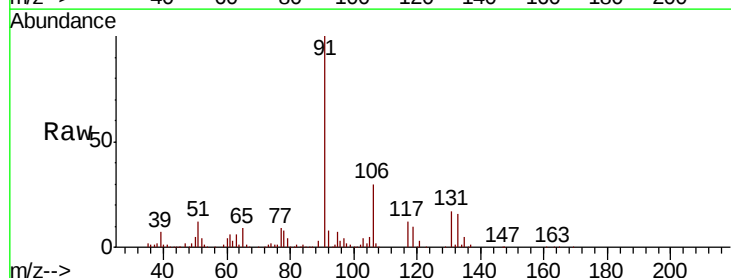
Manual Integrations
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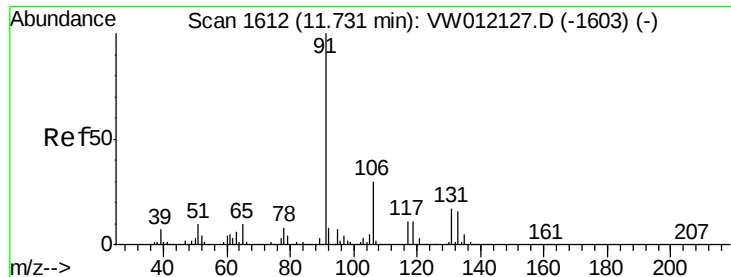
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.243 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion:131 Resp: 41738
Ion Ratio Lower Upper
131 100
133 97.5 47.1 141.3
119 65.0 31.8 95.3





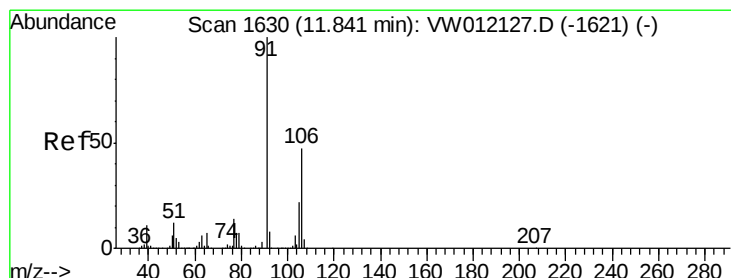
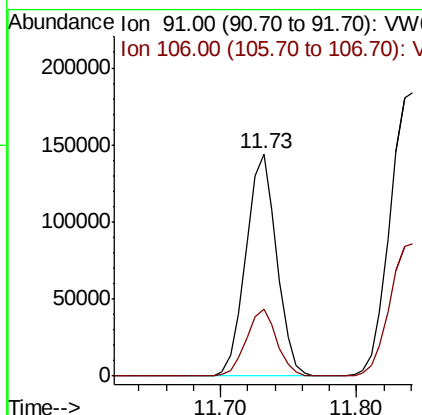
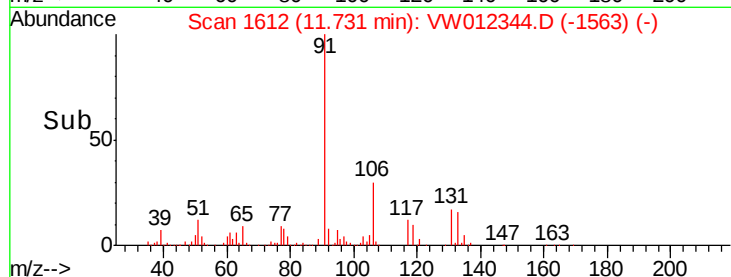
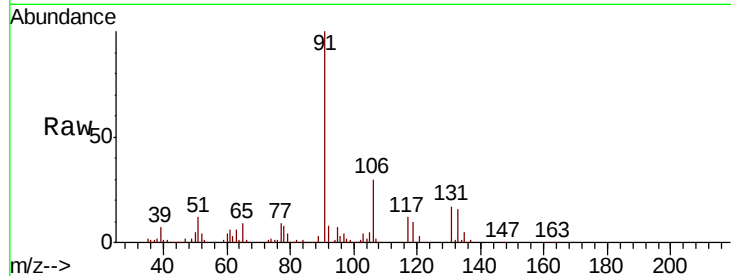
#67
Ethyl Benzene
Concen: 20.045 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

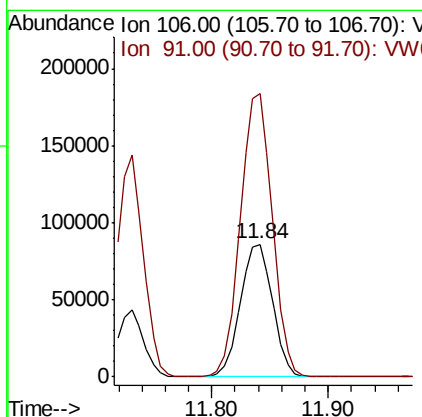
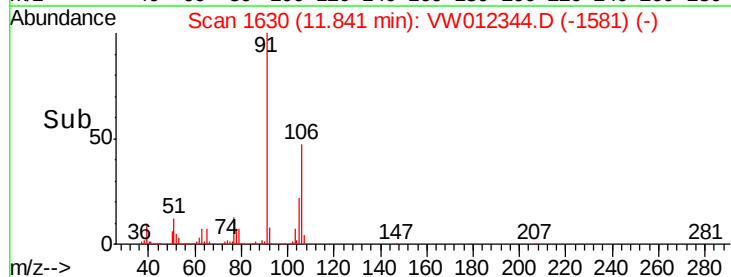
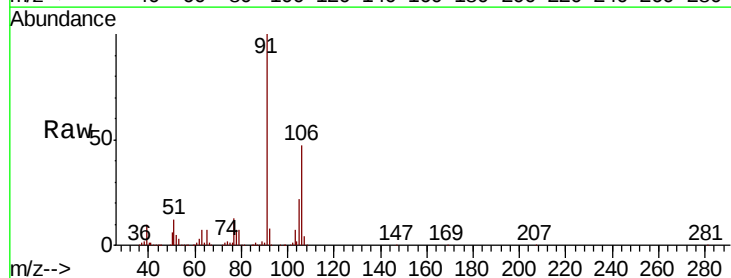
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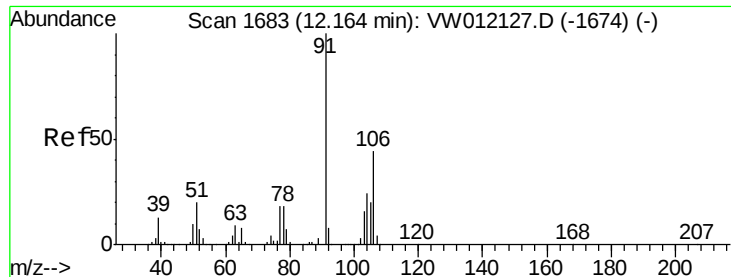
MMDadoda
8/31/2019 9:11:11 AM



#68
m/p-Xylenes
Concen: 40.436 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.6	169.5	254.3





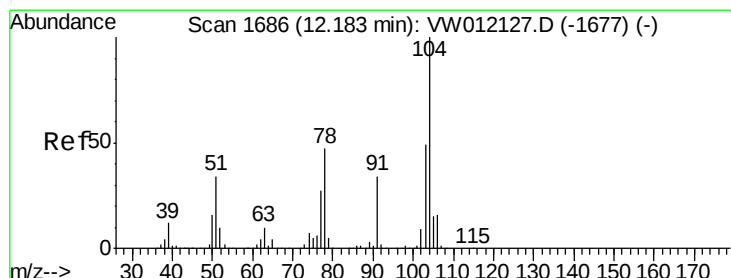
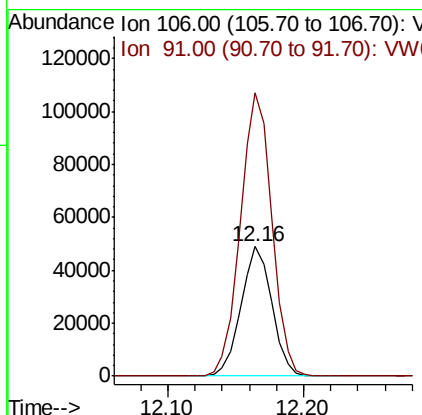
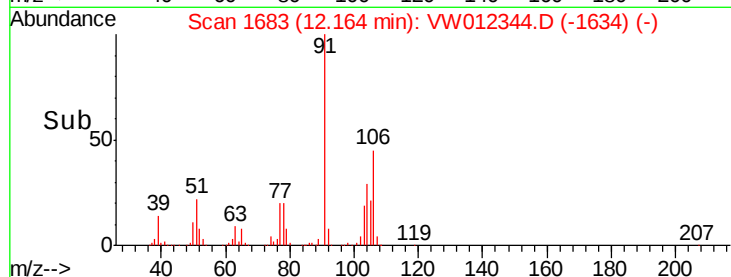
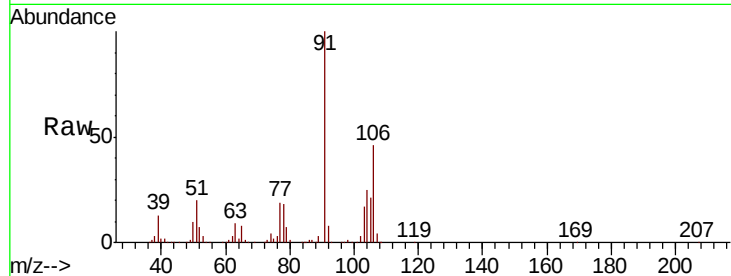
#69
o-Xylene
Concen: 20.491 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion:106 Resp: 77775
Ion Ratio Lower Upper
106 100
91 222.2 111.6 334.6

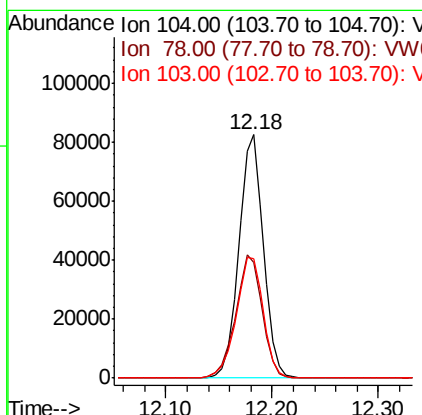
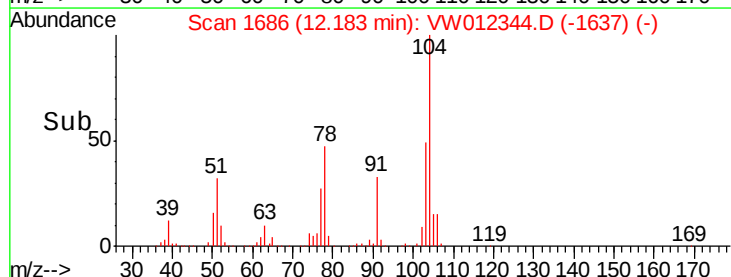
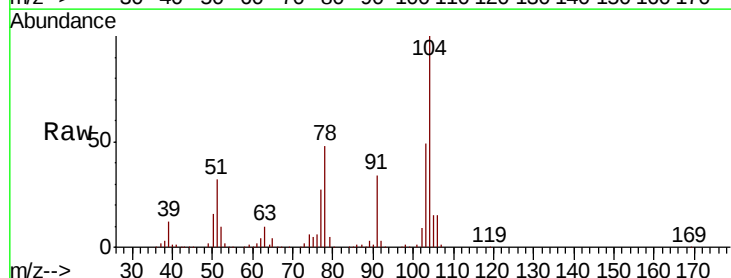
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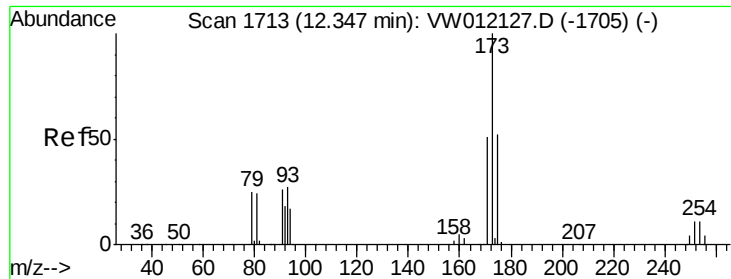
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#70
Styrene
Concen: 20.270 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion:104 Resp: 133171
Ion Ratio Lower Upper
104 100
78 54.8 43.1 64.7
103 54.9 43.5 65.3





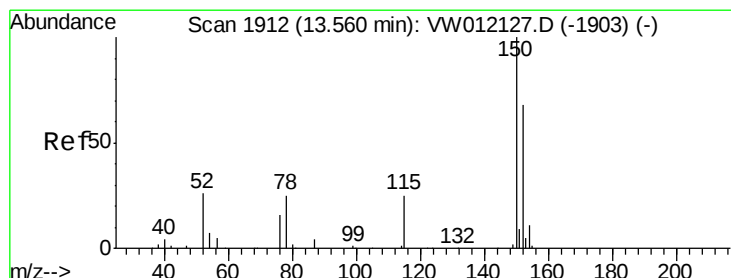
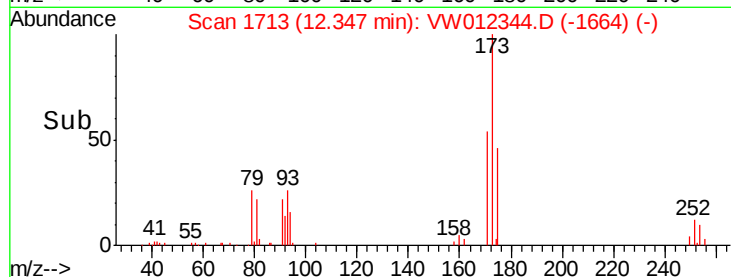
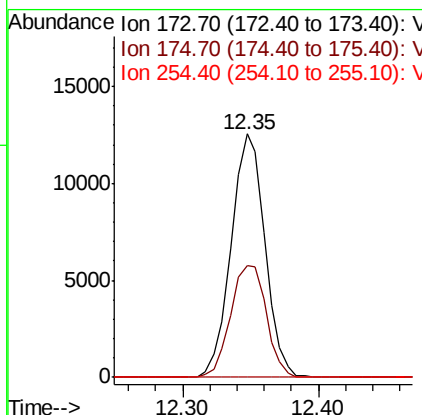
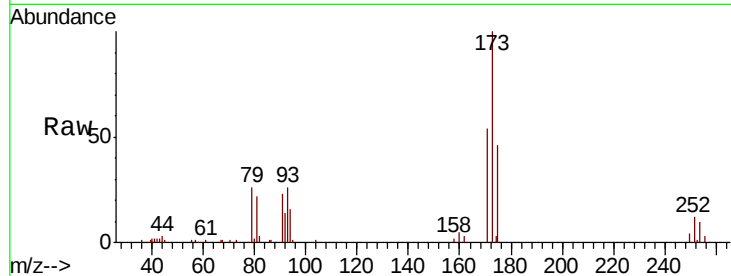
#71
Bromoform
Concen: 21.068 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.7	24.6	74.0	
254	0.0	0.2	0.2	

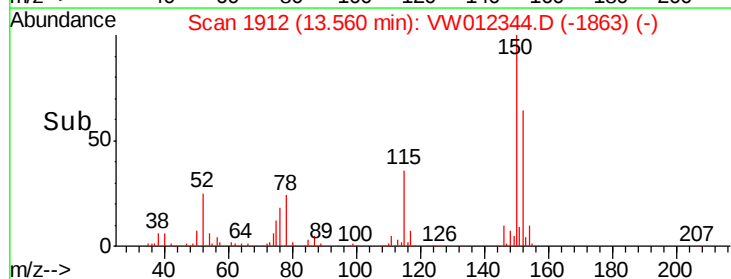
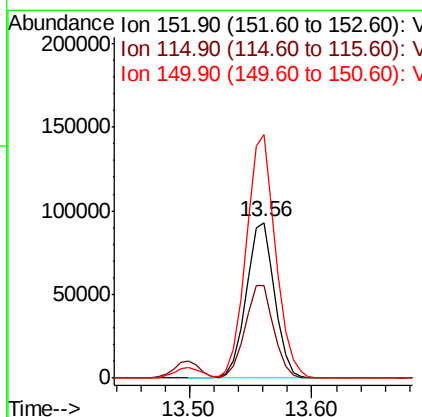
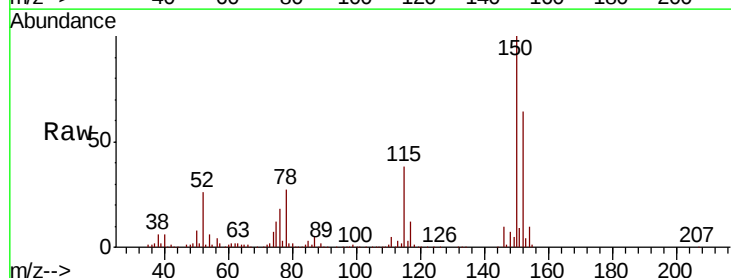
Manual Integrations
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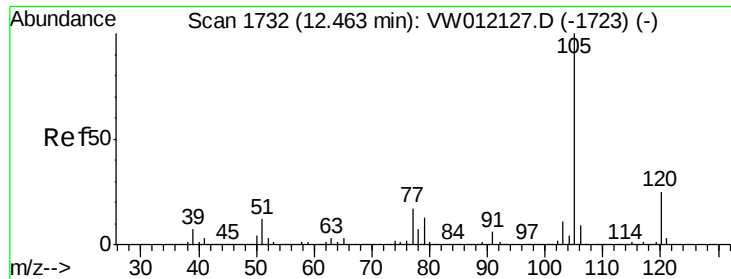
MMDadoda
8/31/2019 9:11:11 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	60.0	30.1	90.3	
150	162.3	0.0	345.8	





#73

Isopropylbenzene

Concen: 19.618 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 105 Resp: 219506

Ion Ratio Lower Upper

105 100

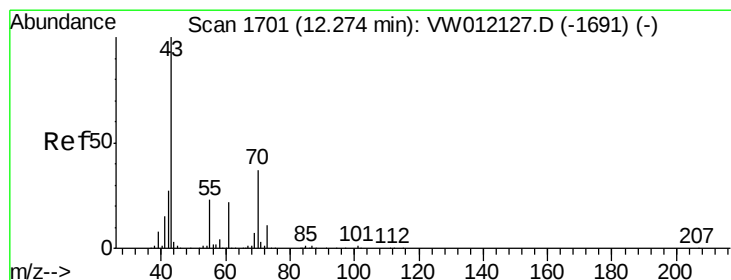
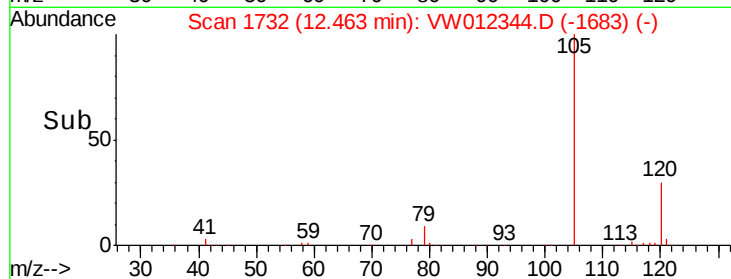
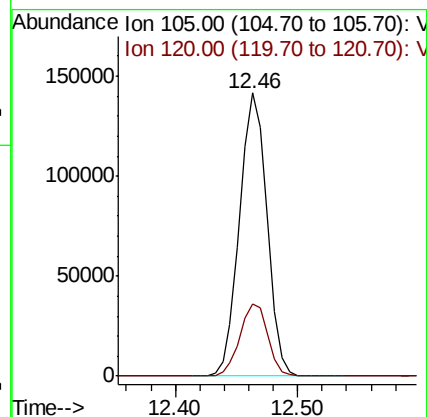
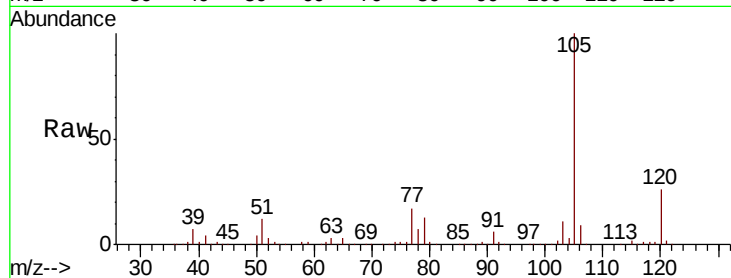
120 25.8 12.5 37.5

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#74

N-ethyl acetate

Concen: 21.935 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Tgt Ion: 43 Resp: 74150

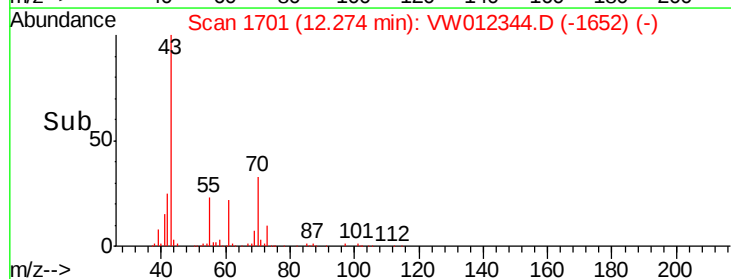
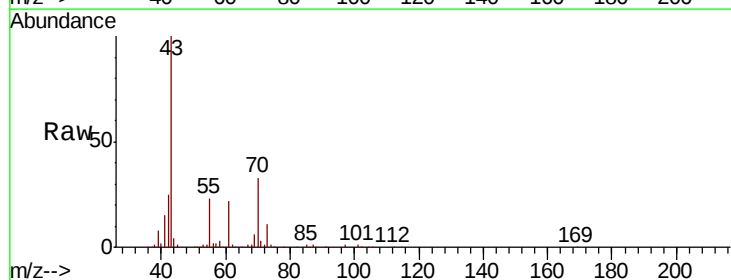
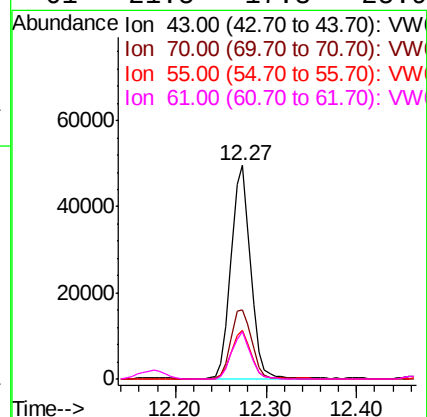
Ion Ratio Lower Upper

43 100

70 34.9 28.6 43.0

55 23.3 17.8 26.6

61 21.5 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.204 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

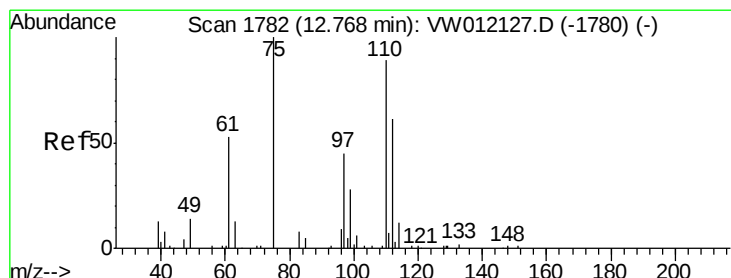
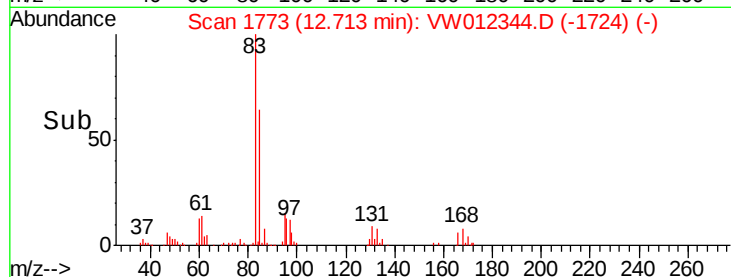
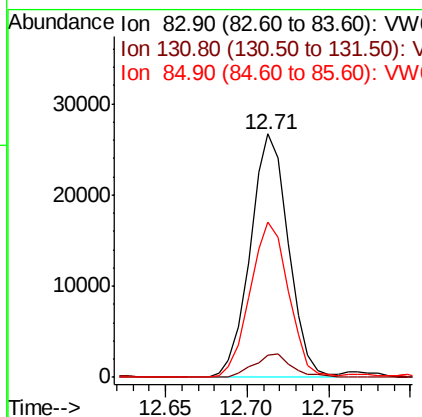
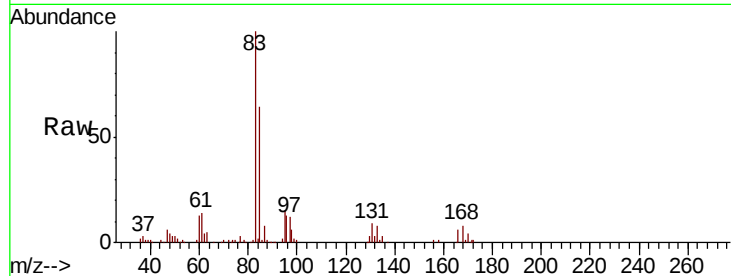
ClientSampleId :

VW0830SBS01

Tot Ion:	83	Resp:	43496
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.6	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 20.964 ug/l m

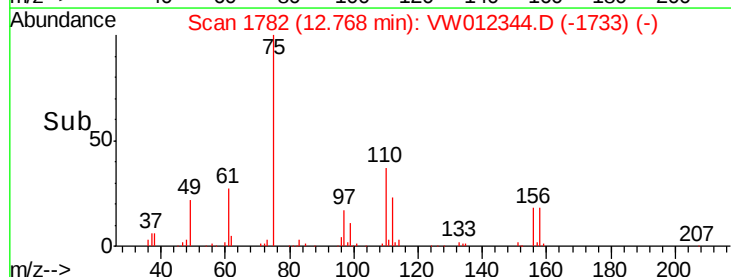
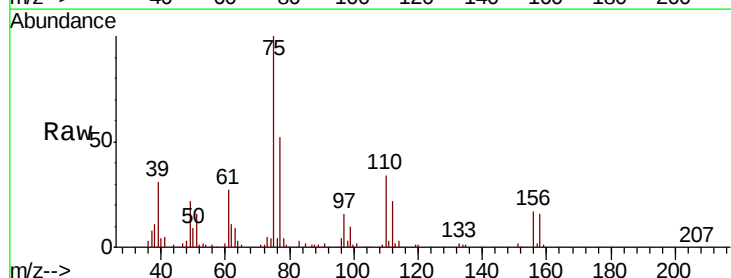
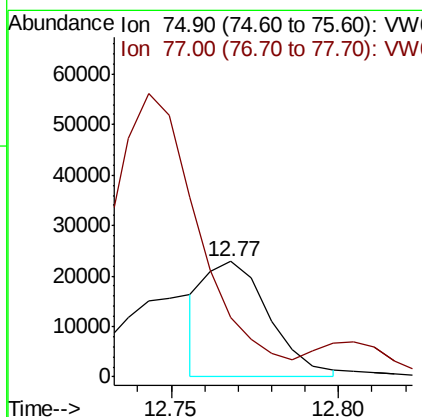
RT: 12.77 min Scan# 1782

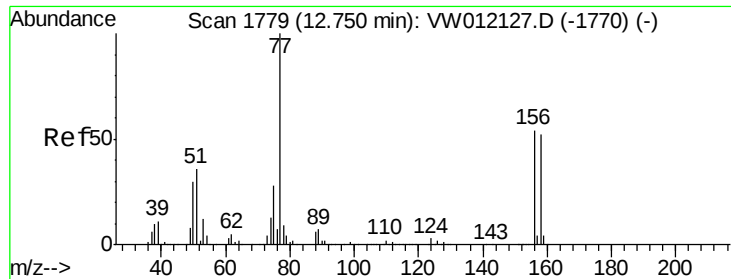
Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Tgt Ion:	75	Resp:	30488
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





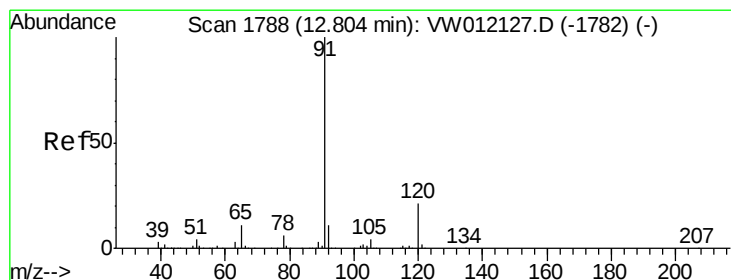
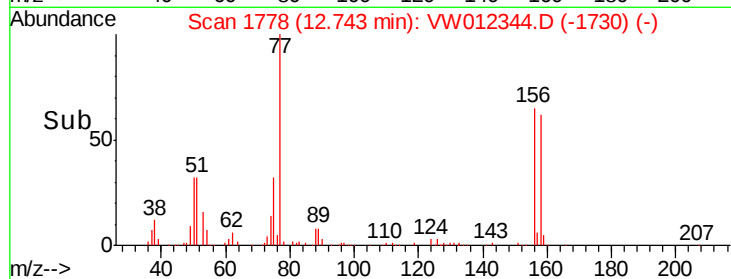
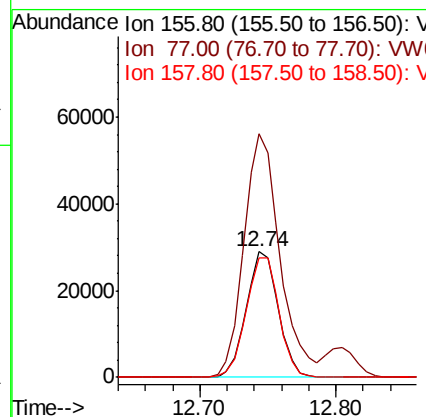
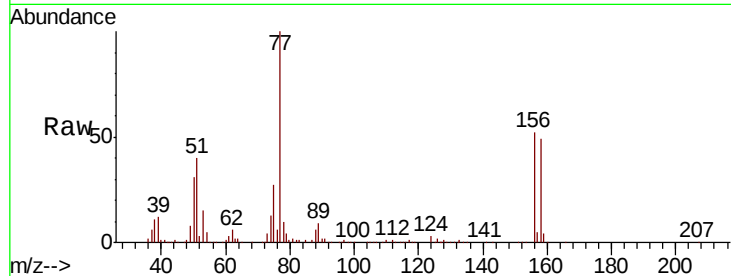
#77
Bromobenzene
Concen: 19.689 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	218.1	107.3	321.8	
158	98.1	49.0	147.0	

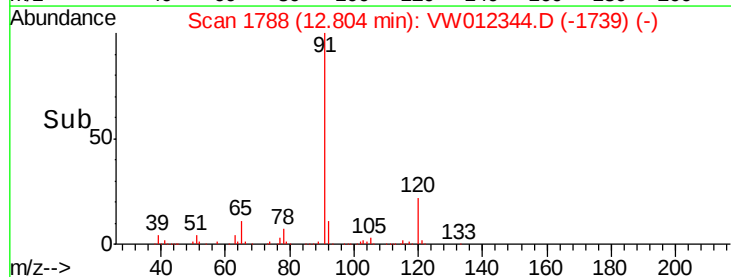
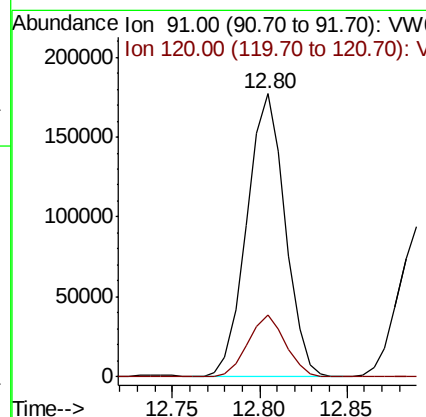
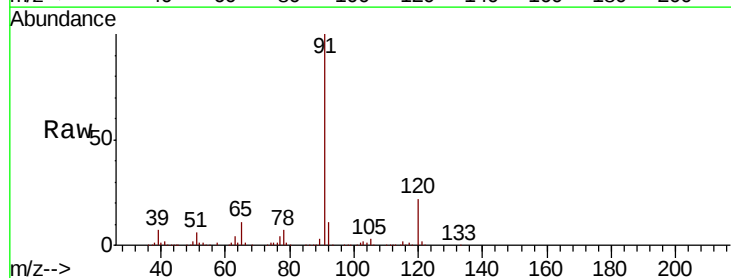
Manual Integrations
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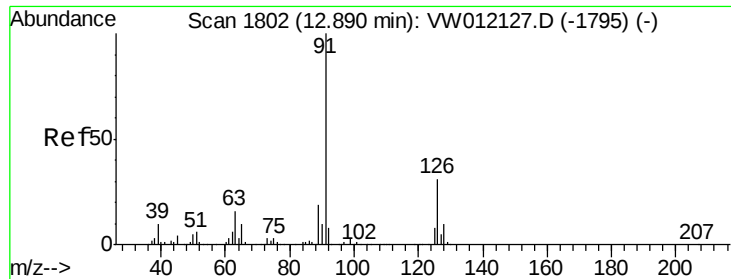
MMDadoda
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#78
n-propylbenzene
Concen: 19.675 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.5	31.6	





#79

2-Chlorotoluene

Concen: 19.505 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VW0830SBS01

Tot Ion: 91 Resp: 151260

Ion Ratio Lower Upper

91 100

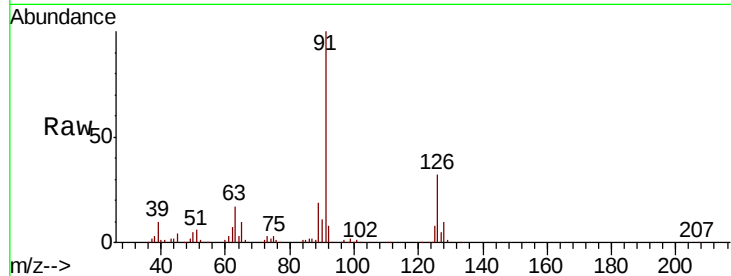
126 32.0 15.7 47.0

Manual Integrations

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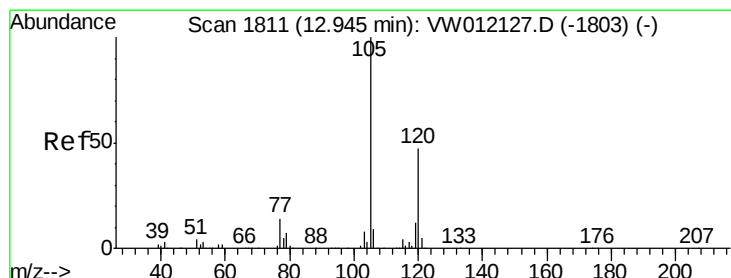
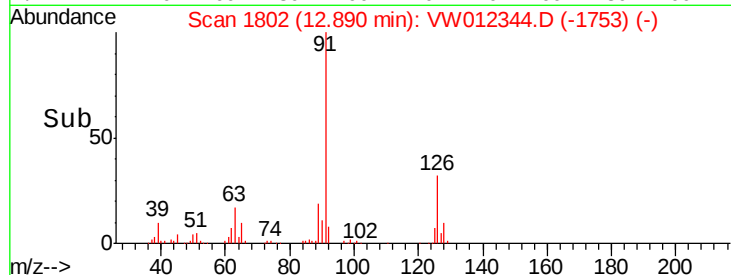
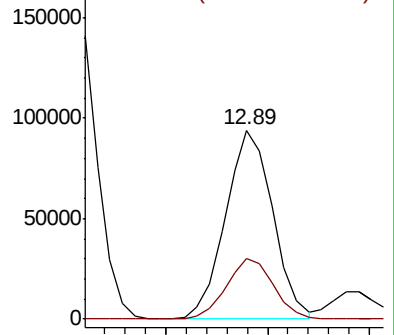
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.152 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012344.D

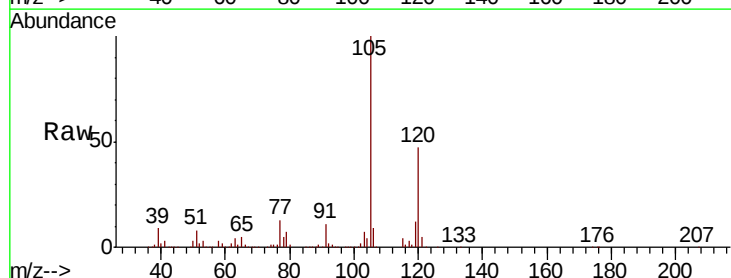
Acq: 30 Aug 2019 11:34

Tgt Ion:105 Resp: 188414

Ion Ratio Lower Upper

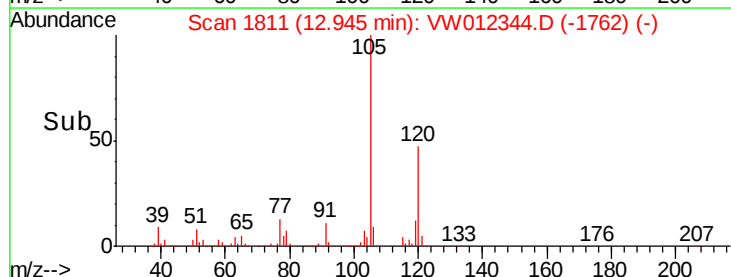
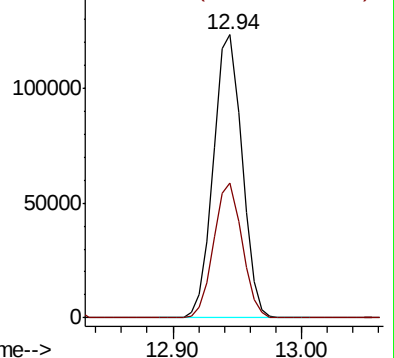
105 100

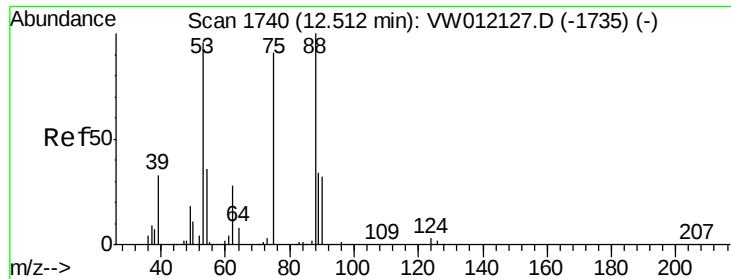
120 47.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





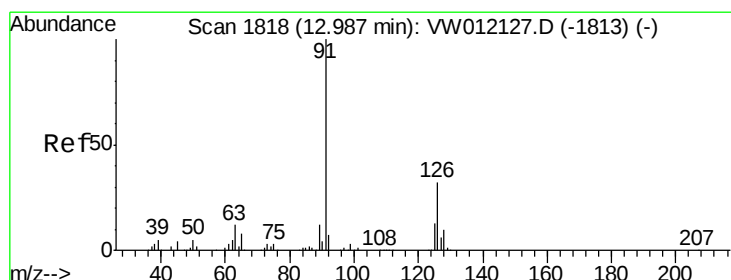
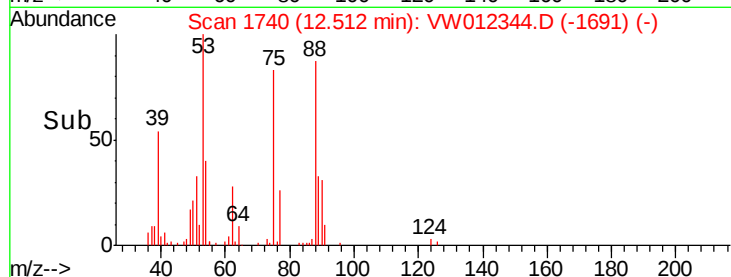
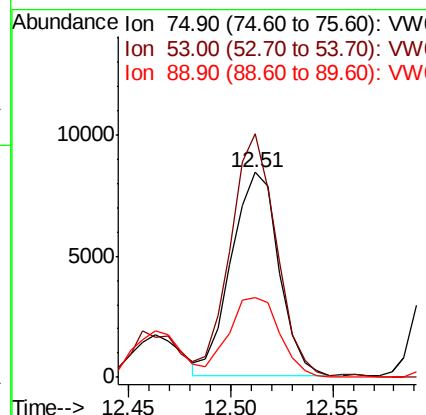
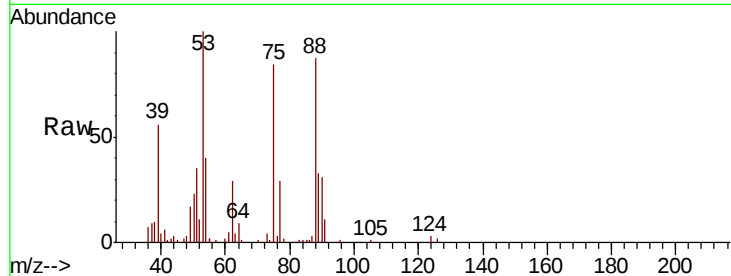
#81
trans-1,4-Dichloro-2-butene
Concen: 20.342 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.3	89.4	134.0
89	42.2	34.5	51.7

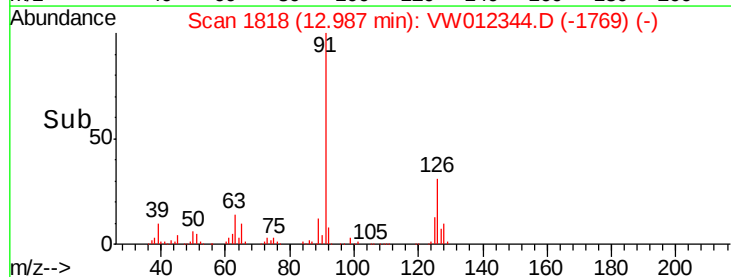
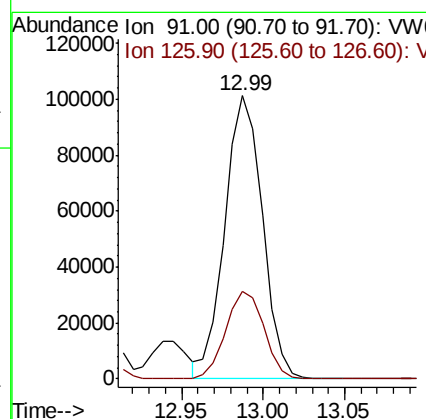
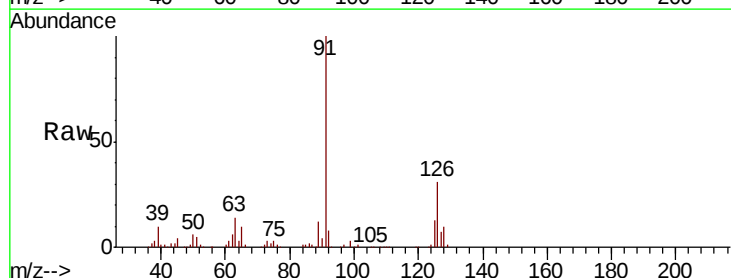
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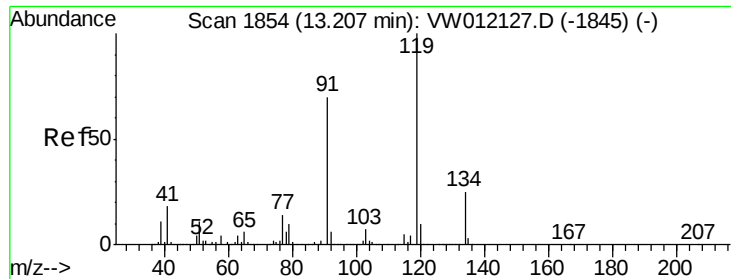
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#82
4-Chlorotoluene
Concen: 19.963 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.8





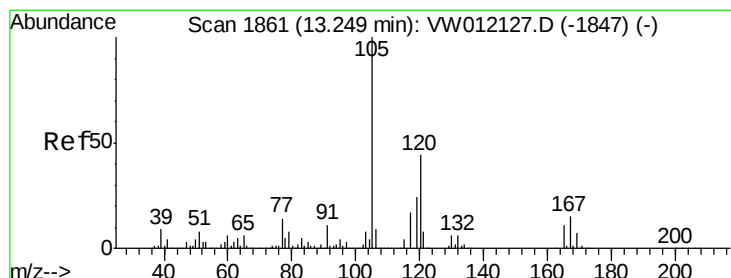
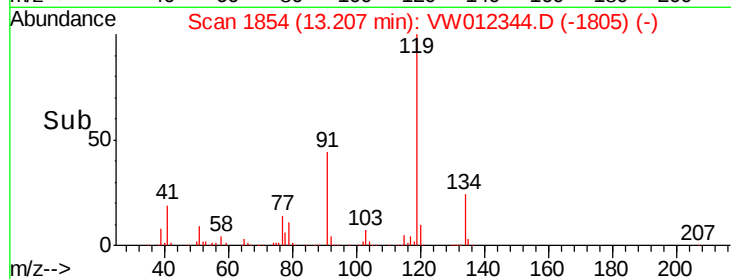
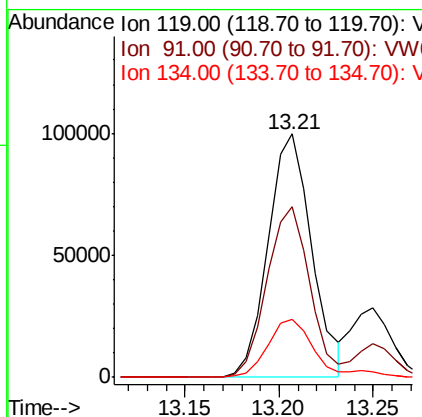
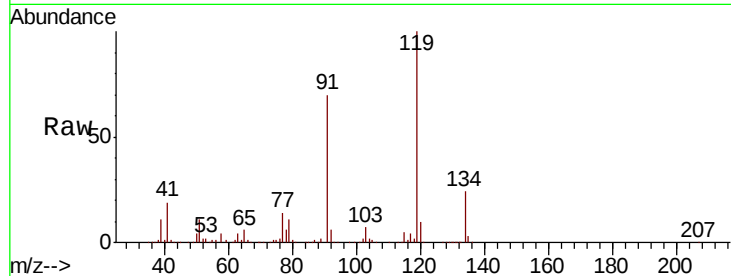
#83
tert-Butylbenzene
Concen: 20.245 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	160336		
91	68.6	34.8	104.3	
134	26.2	13.3	39.8	

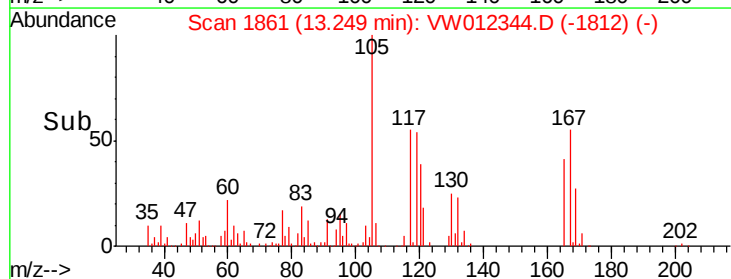
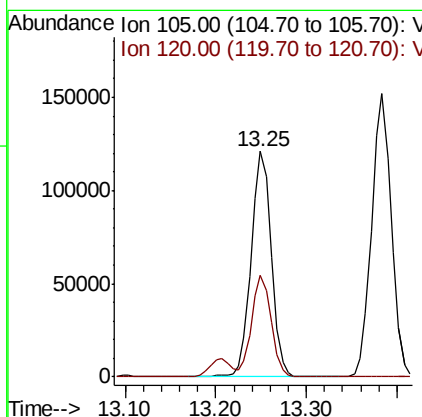
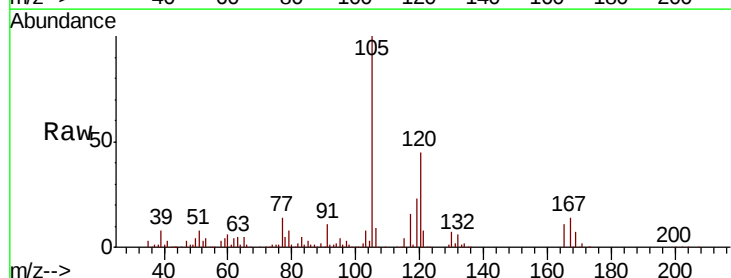
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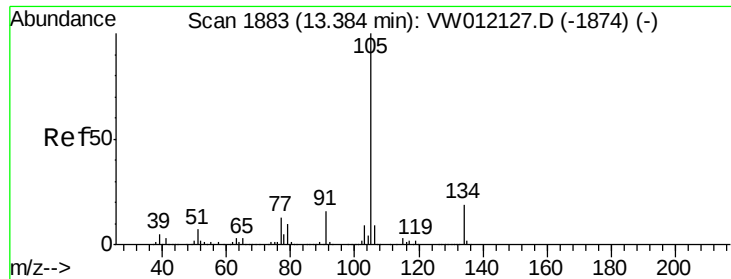
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#84
1,2,4-Trimethylbenzene
Concen: 19.890 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	186803		
120	43.5	21.9	65.7	





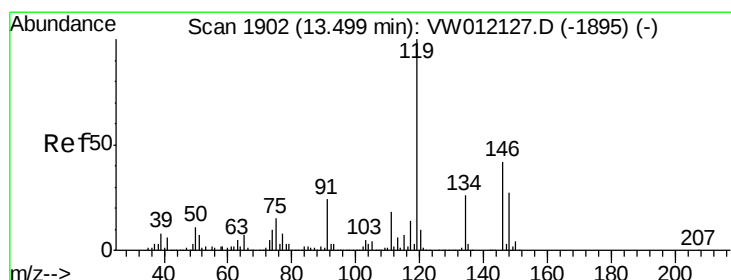
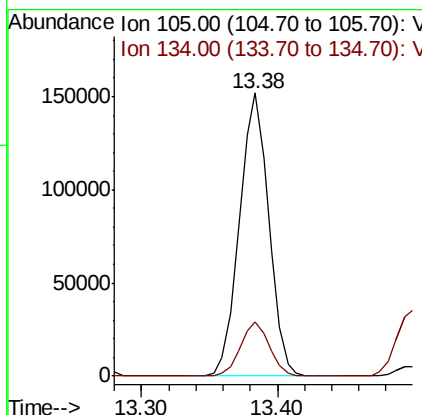
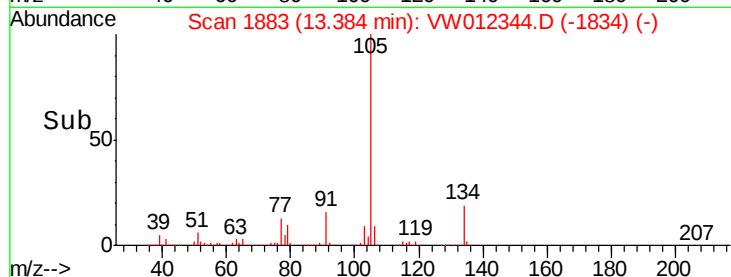
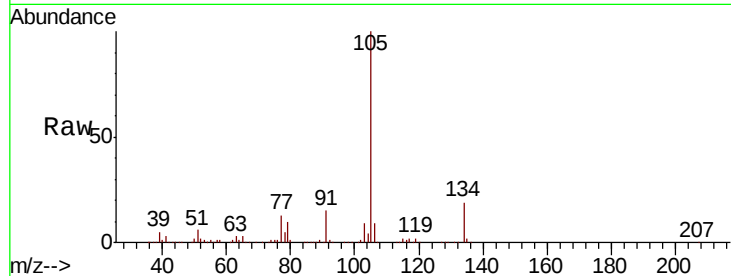
#85
 sec-Butylbenzene
 Concen: 20.146 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	228582		
134	19.0	9.8	29.4	

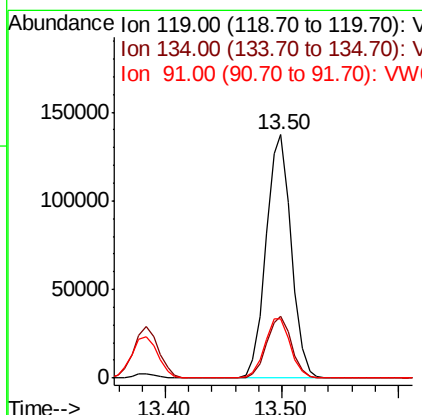
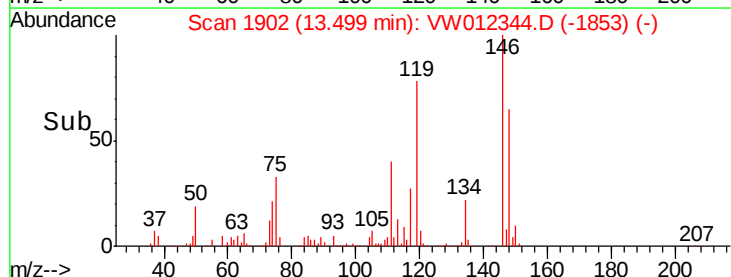
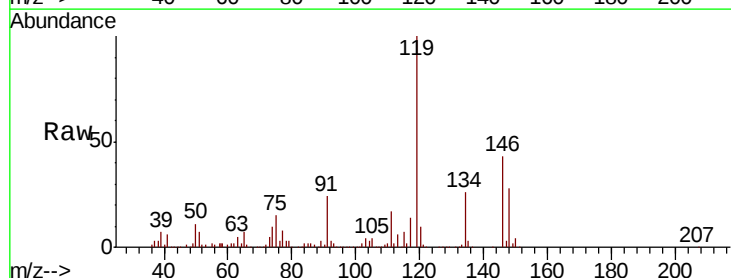
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 20.408 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	206798		
134	25.1	12.8	38.3	
91	24.7	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 19.950 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Instrument :

MSVOA_W

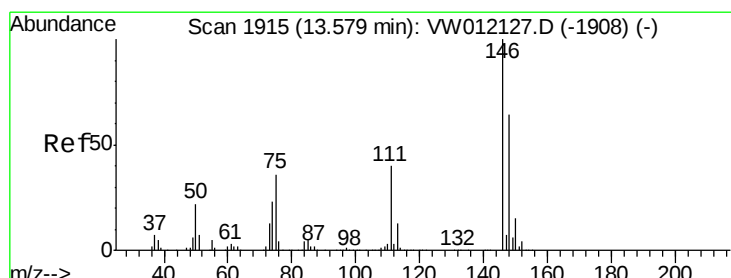
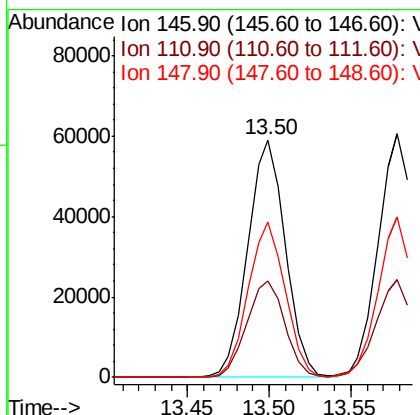
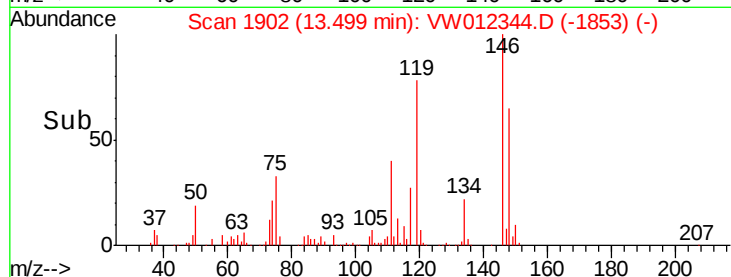
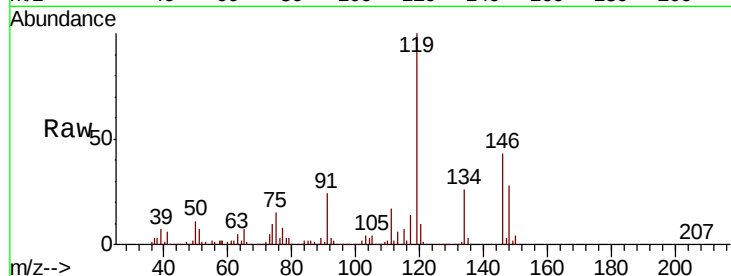
ClientSampleId :

VW0830SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.7
148	64.5	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 20.131 ug/l

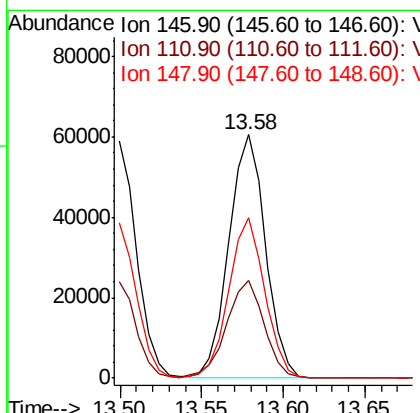
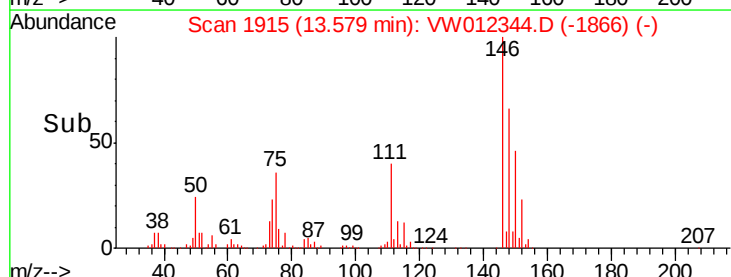
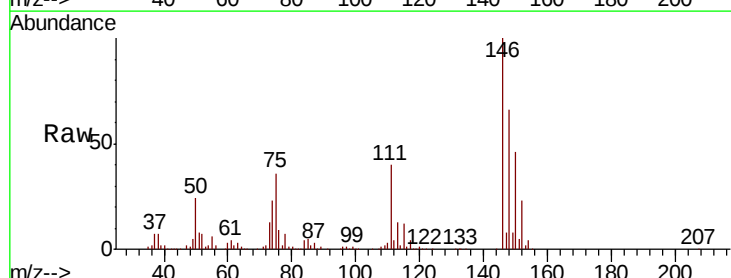
RT: 13.58 min Scan# 1915

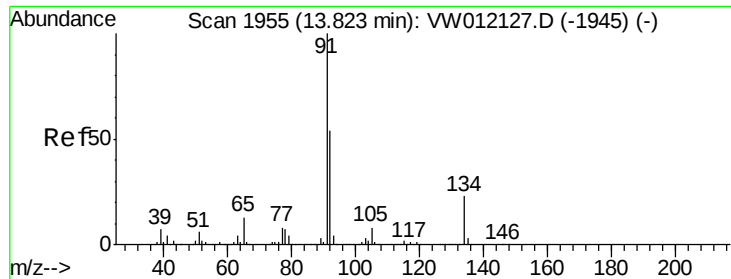
Delta R.T. 0.00 min

Lab File: VW012344.D

Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	64.9	32.1	96.3





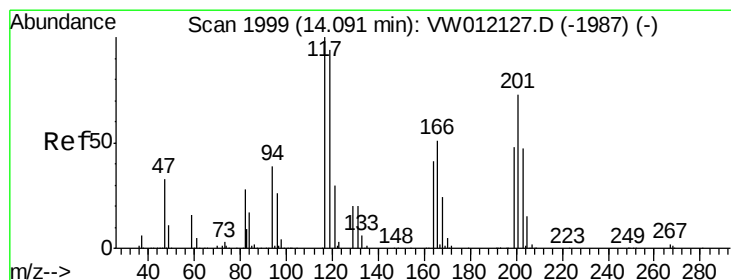
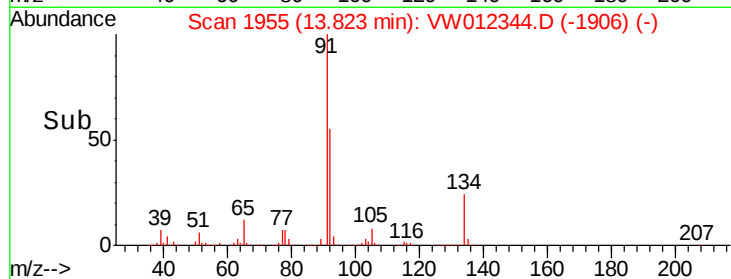
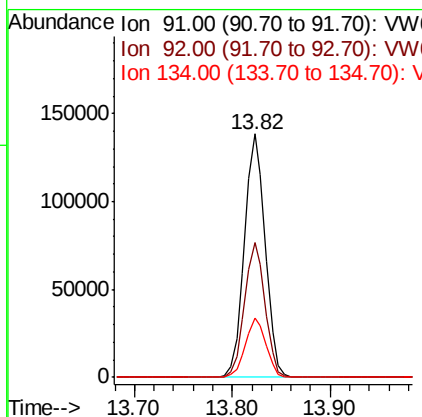
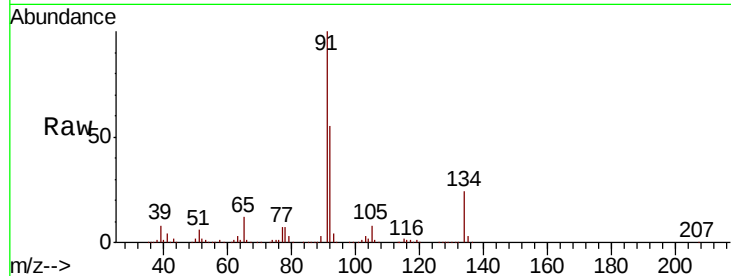
#89
n-Butylbenzene
Concen: 20.206 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	203611		
92	54.6	27.1	81.2	
134	24.2	12.2	36.4	

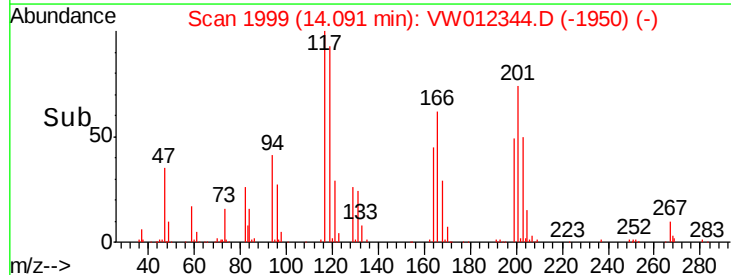
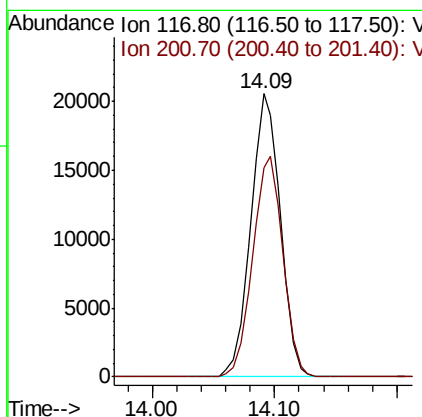
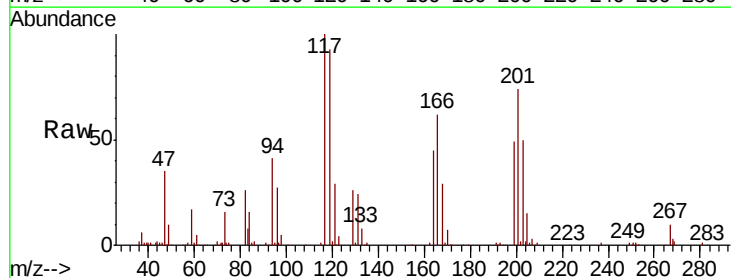
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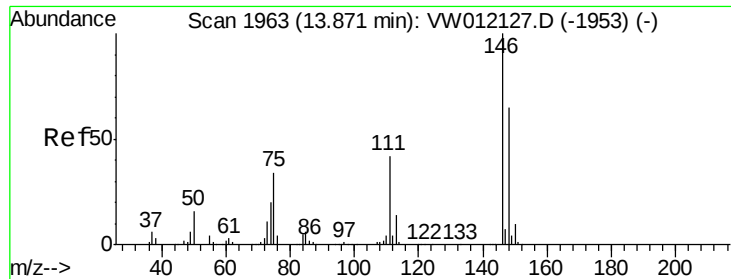
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#90
Hexachloroethane
Concen: 19.508 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34681		
201	79.2	38.6	115.7	





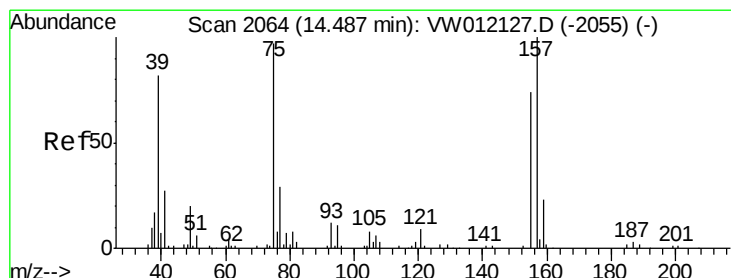
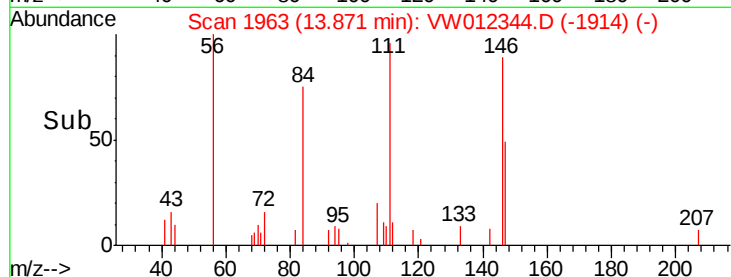
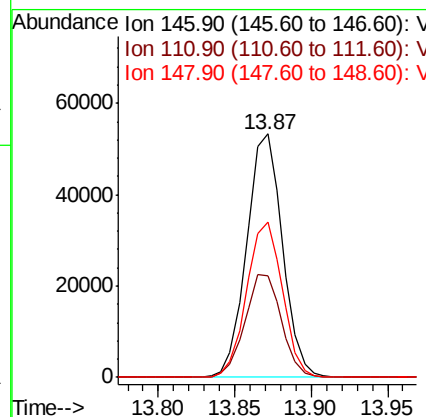
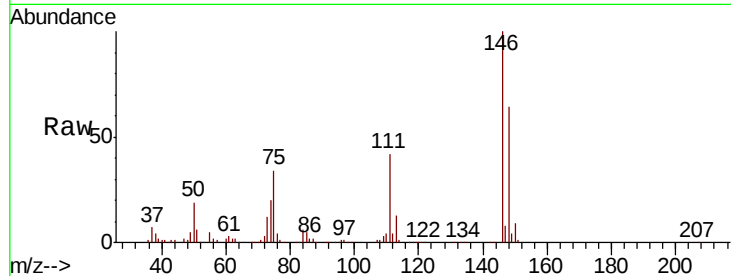
#91
 1,2-Dichlorobenzene
 Concen: 20.896 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

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

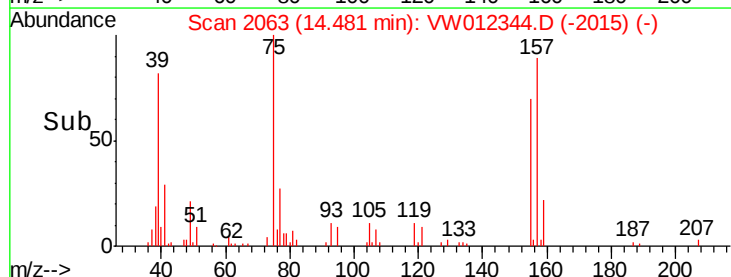
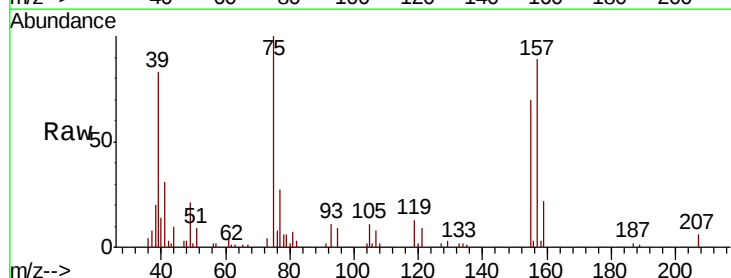
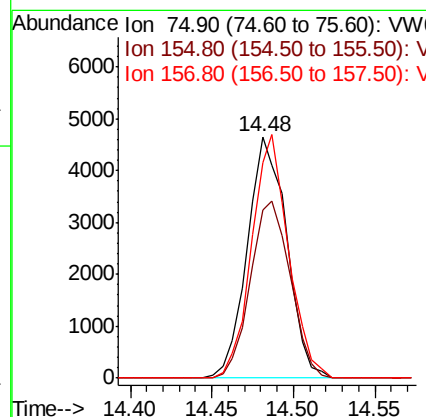
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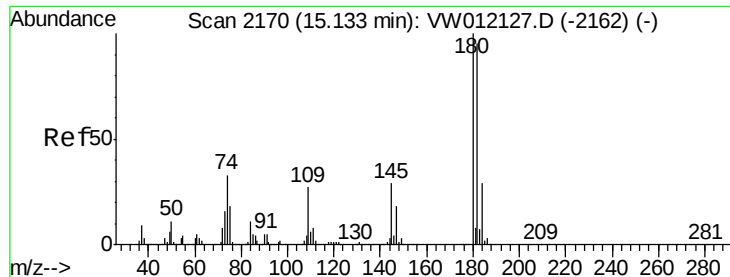
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.608 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	37.5	112.3
157	94.1	50.5	151.5





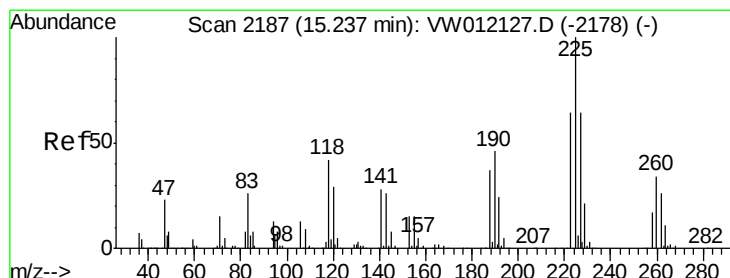
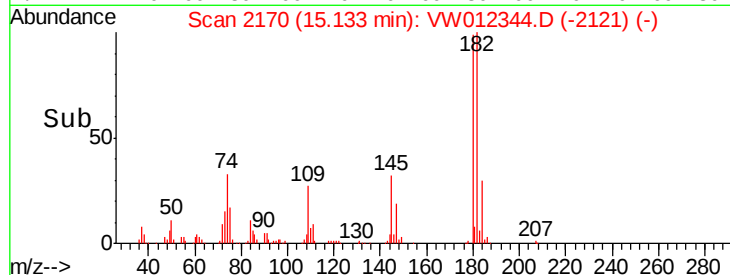
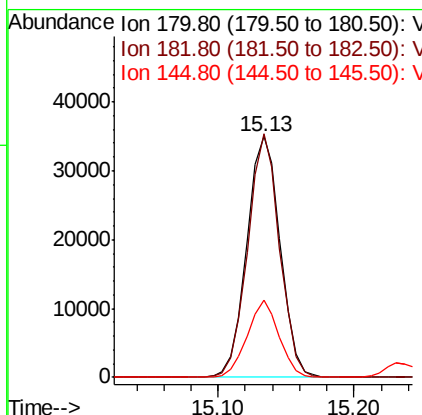
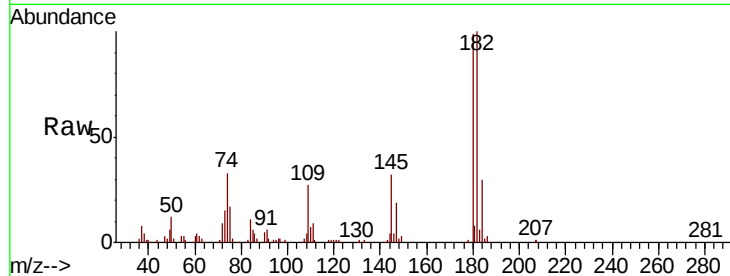
#93
 1,2,4-Trichlorobenzene
 Concen: 20.894 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59974		
182	96.5	47.8	143.4	
145	30.6	15.0	45.1	

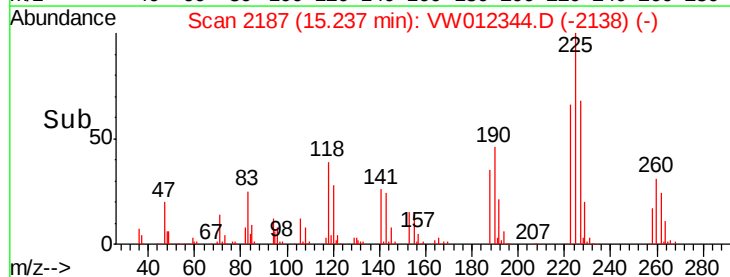
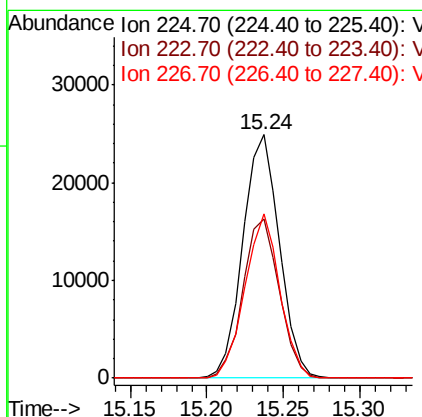
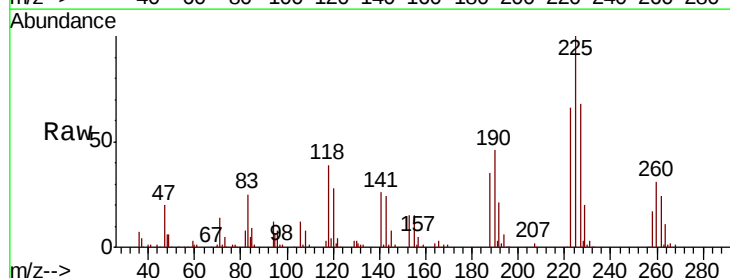
Manual Integrations
 APPROVED

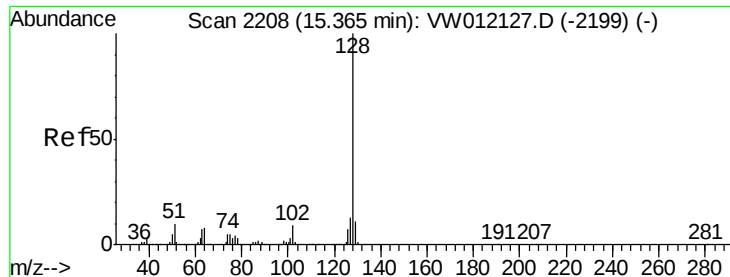
MMDadoda
 8/31/2019 9:11:11 AM



#94
 Hexachlorobutadiene
 Concen: 21.813 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012344.D
 Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41341		
223	65.2	32.3	96.8	
227	64.6	32.9	98.6	





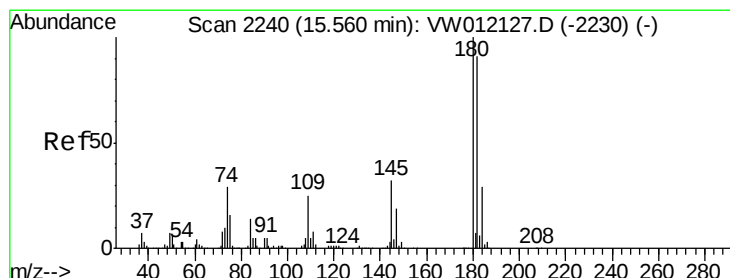
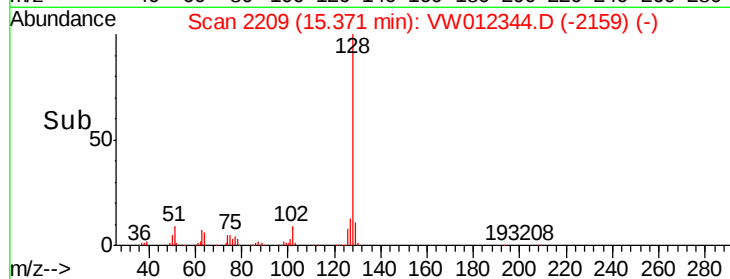
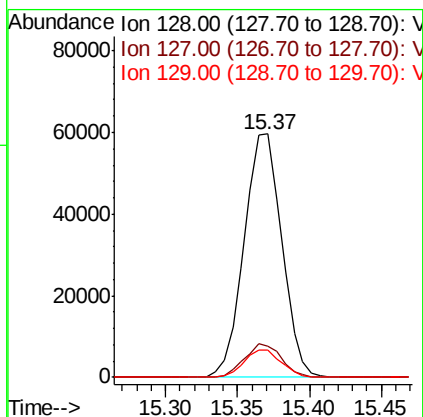
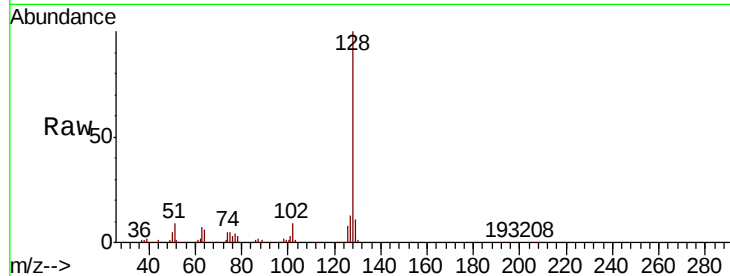
#95
Naphthalene
Concen: 21.866 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VW0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	108165		
127	13.7	10.7	16.1	
129	11.2	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
8/31/2019 9:11:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.269 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012344.D
Acq: 30 Aug 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	53263		
182	94.7	47.1	141.3	
145	32.1	16.2	48.5	

