

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012412.D
 Acq On : 31 Aug 2019 20:17
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:01 AM

Quant Time: Sep 01 04:49:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132437	54.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.90%		
35) Dibromofluoromethane	7.88	113	102894	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.28%		
50) Toluene-d8	10.32	98	403463	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.88%		
62) 4-Bromofluorobenzene	12.62	95	145437	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.14%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	62107	49.294	ug/l	95
3) Chloromethane	2.21	50	105727	54.163	ug/l	98
4) Vinyl Chloride	2.36	62	126564	52.974	ug/l	99
5) Bromomethane	2.73	94	67714m	55.963	ug/l	
6) Chloroethane	2.90	64	76198	56.536	ug/l	92
7) Trichlorofluoromethane	3.24	101	70197	58.513	ug/l	98
8) Diethyl Ether	3.68	74	62834	55.179	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106898	52.421	ug/l	98
10) Methyl Iodide	4.27	142	155987	56.535	ug/l	98
11) Tert butyl alcohol	5.16	59	44982	307.286	ug/l	99
12) 1,1-Dichloroethene	4.03	96	106967	52.116	ug/l	96
13) Acrolein	3.89	56	34490	250.299	ug/l	98
14) Allyl chloride	4.67	41	243720	55.544	ug/l	99
15) Acrylonitrile	5.36	53	164498	291.446	ug/l	100
16) Acetone	4.12	43	168264	270.612	ug/l	99
17) Carbon Disulfide	4.38	76	309678	49.924	ug/l	99
18) Methyl Acetate	4.67	43	89306	57.989	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	208100	62.697	ug/l	100
20) Methylene Chloride	4.91	84	129905	55.264	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	120290	54.653	ug/l	98
22) Diisopropyl ether	6.31	45	485149	59.650	ug/l	98
23) Vinyl Acetate	6.25	43	1433332	286.359	ug/l	99
24) 1,1-Dichloroethane	6.21	63	252048	56.915	ug/l	100
25) 2-Butanone	7.17	43	235786	279.056	ug/l	99
26) 2,2-Dichloropropane	7.17	77	134421	53.628	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	134140	57.044	ug/l	98
28) Bromochloromethane	7.51	49	104783	54.288	ug/l	99
29) Tetrahydrofuran	7.52	42	148718	293.371	ug/l	99
30) Chloroform	7.68	83	236153	58.287	ug/l	99
31) Cyclohexane	7.95	56	208381	47.561	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	184042	57.421	ug/l	99
36) 1,1-Dichloropropene	8.08	75	182955	53.039	ug/l	99
37) Ethyl Acetate	7.25	43	104196	55.123	ug/l	99
38) Carbon Tetrachloride	8.07	117	164253	55.015	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	193927	50.043	ug/l	98
40) Benzene	8.32	78	516931	54.882	ug/l	100
41) Methacrylonitrile	7.48	41	58487	52.645	ug/l	95
42) 1,2-Dichloroethane	8.40	62	175824	59.561	ug/l	100
43) Isopropyl Acetate	8.42	43	197002	56.265	ug/l	99
44) Trichloroethene	9.09	130	124291	54.282	ug/l	96
45) 1,2-Dichloropropane	9.37	63	141098	55.662	ug/l	96
46) Dibromomethane	9.46	93	65116	57.734	ug/l	98
47) Bromodichloromethane	9.65	83	174183	58.028	ug/l	98
48) Methyl methacrylate	9.43	41	97132	58.287	ug/l	97
49) 1,4-Dioxane	9.45	88	19375	1122.128	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	513252	288.201	ug/l	99
52) Toluene	10.38	92	316407	55.918	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	177228	57.963	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	207846	56.298	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90583	56.764	ug/l	99
56) Ethyl methacrylate	10.65	69	135769	58.458	ug/l	99
57) 1,3-Dichloropropane	10.93	76	174746	57.947	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	336870	282.617	ug/l	100
59) 2-Hexanone	10.97	43	358536	284.532	ug/l	99
60) Dibromochloromethane	11.13	129	105582	59.402	ug/l	100
61) 1,2-Dibromoethane	11.23	107	85238	57.335	ug/l	100
64) Tetrachloroethene	10.86	164	109859	56.651	ug/l	98
65) Chlorobenzene	11.66	112	323990	55.009	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	117108	56.995	ug/l	99
67) Ethyl Benzene	11.73	91	620880	54.724	ug/l	98
68) m/p-Xylenes	11.84	106	445020	108.891	ug/l	99
69) o-Xylene	12.16	106	208854	55.216	ug/l	99
70) Styrene	12.18	104	366938	56.046	ug/l	98
71) Bromoform	12.35	173	59026	57.659	ug/l #	99
73) Isopropylbenzene	12.46	105	580020	52.318	ug/l	99
74) N-amyl acetate	12.27	43	186046	55.544	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	107098	52.694	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	76321m	52.965	ug/l	
77) Bromobenzene	12.74	156	131233	54.716	ug/l	97
78) n-propylbenzene	12.80	91	711722	52.587	ug/l	100
79) 2-Chlorotoluene	12.89	91	413371	53.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	502705	54.266	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	34354	52.272	ug/l	97
82) 4-Chlorotoluene	12.99	91	433356	53.862	ug/l	100
83) tert-Butylbenzene	13.21	119	422900	53.892	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	504330	54.196	ug/l	100
85) sec-Butylbenzene	13.38	105	590323	52.508	ug/l	100
86) p-Isopropyltoluene	13.50	119	541185	53.902	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	254692	54.291	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	251779	54.052	ug/l	99
89) n-Butylbenzene	13.82	91	528207	52.903	ug/l	99
90) Hexachloroethane	14.09	117	95804	54.387	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	226375	55.006	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18778	54.804	ug/l	96

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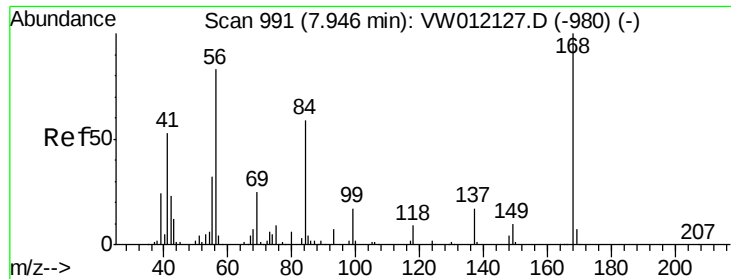
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159799	56.188	ug/l	99
94) Hexachlorobutadiene	15.24	225	105125	55.980	ug/l	99
95) Naphthalene	15.36	128	286250	51.181	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	140607	56.666	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 204623

Ion Ratio Lower Upper

168 100

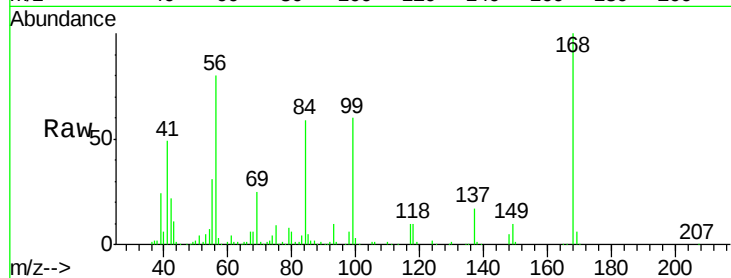
99 59.9 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

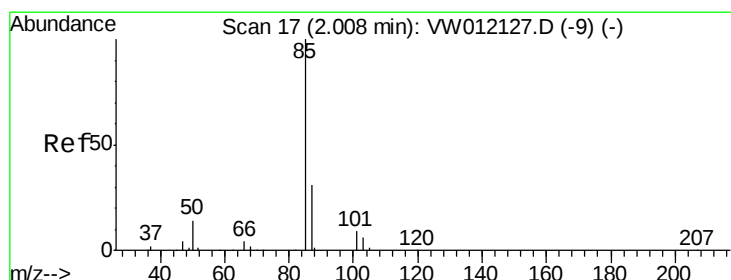
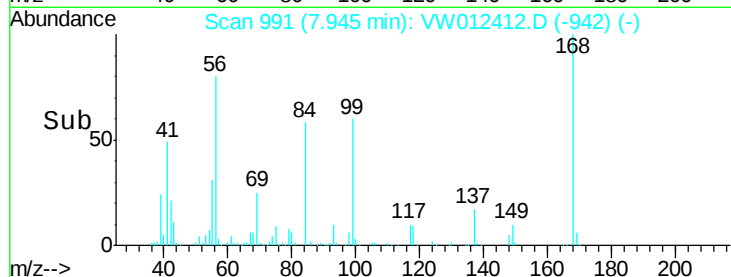
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.294 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012412.D

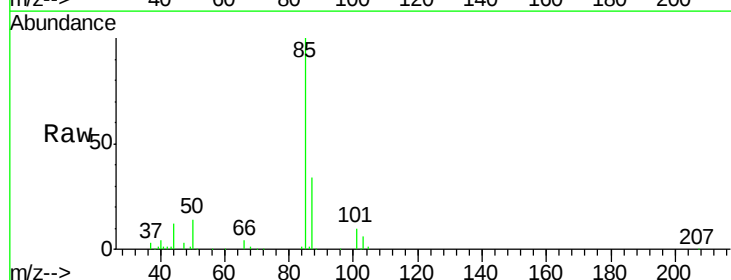
Acq: 31 Aug 2019 20:17

Tgt Ion: 85 Resp: 62107

Ion Ratio Lower Upper

85 100

87 33.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

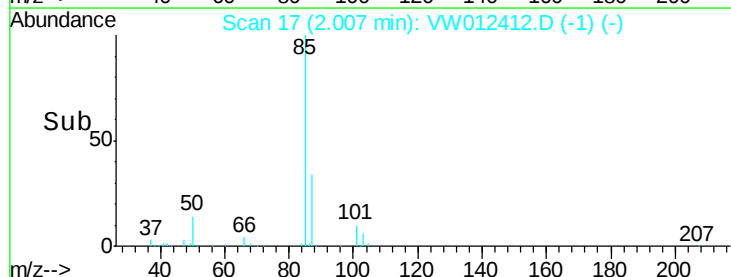
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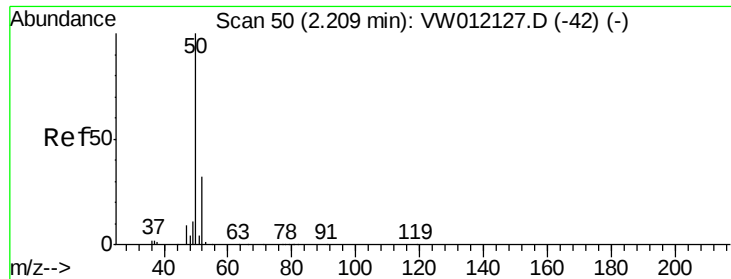
10000

5000

0

Time-->





#3

Chloromethane

Concen: 54.163 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 105727

Ion Ratio Lower Upper

50 100

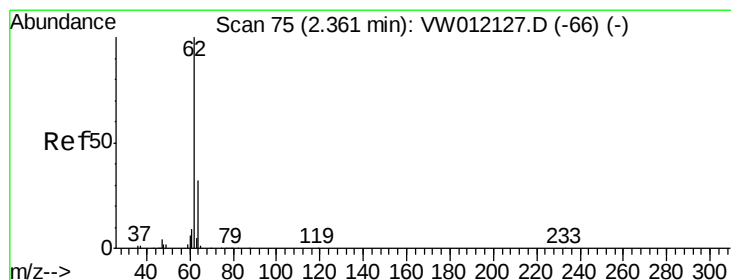
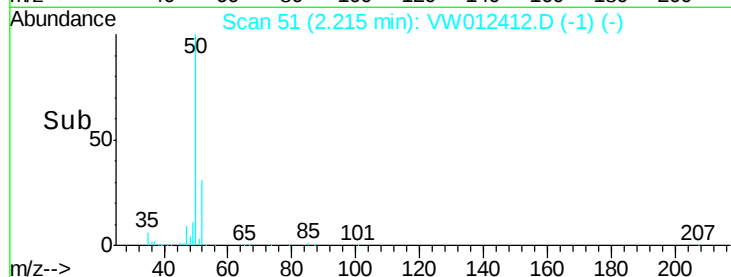
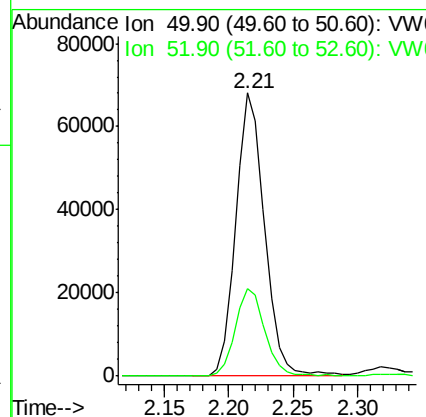
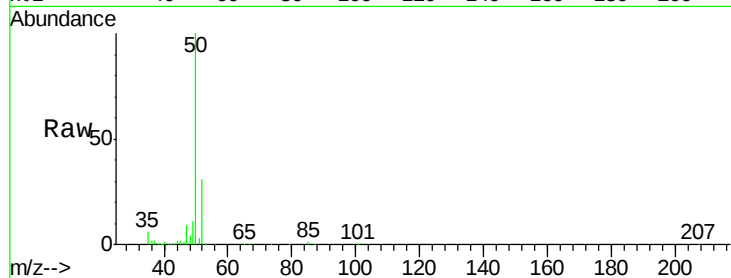
52 30.9 25.5 38.3

Manual Integrations

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9/3/2019 2:42:01 AM



#4

Vinyl Chloride

Concen: 52.974 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012412.D

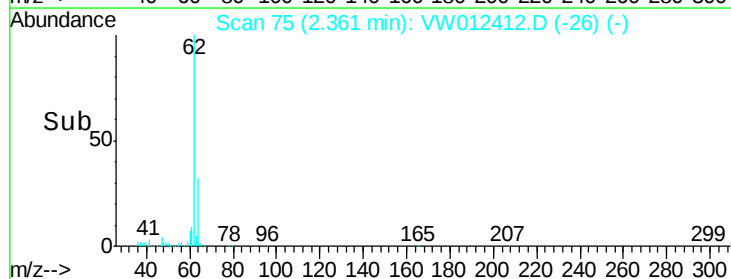
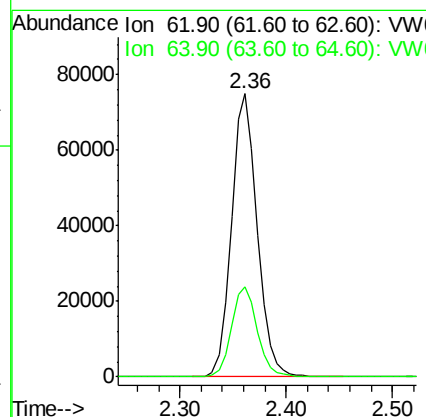
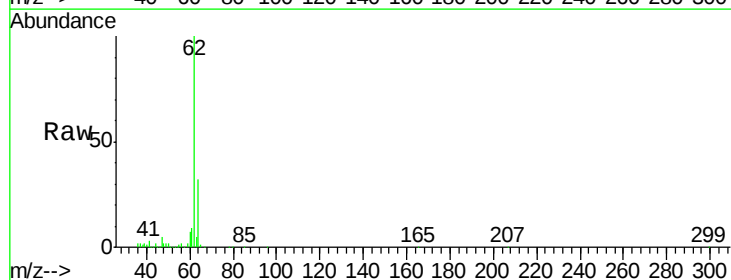
Acq: 31 Aug 2019 20:17

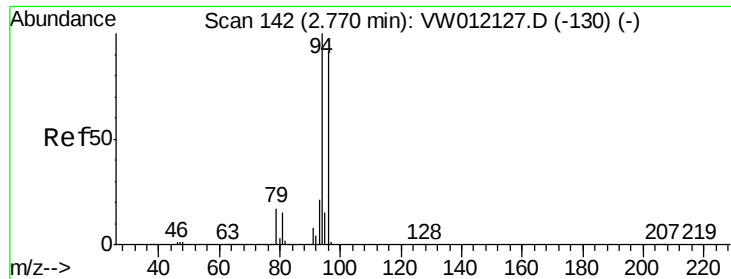
Tgt Ion: 62 Resp: 126564

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 55.963 ug/l m

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

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Tot Ion: 94 Resp: 67714

Ion Ratio Lower Upper

94 100

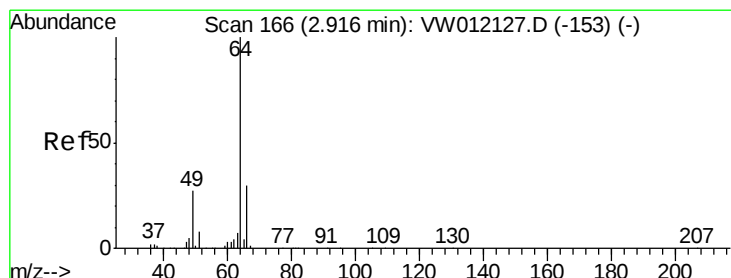
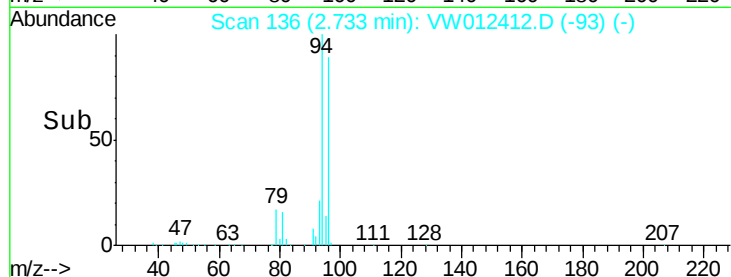
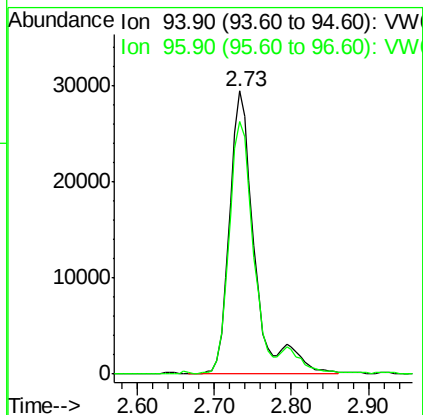
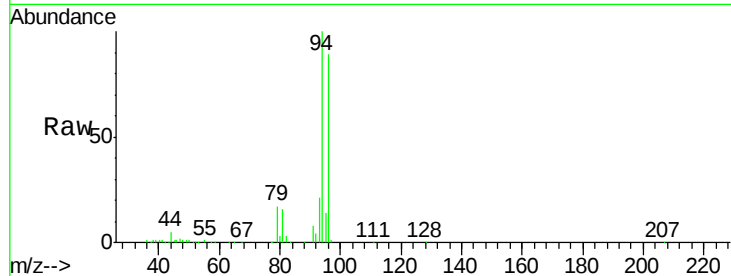
96 89.0 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 56.536 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012412.D

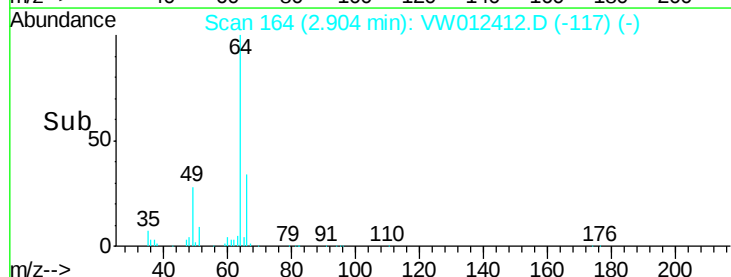
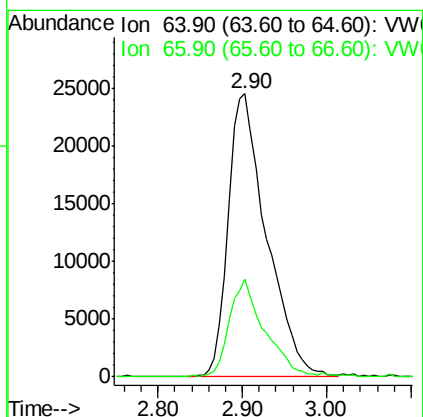
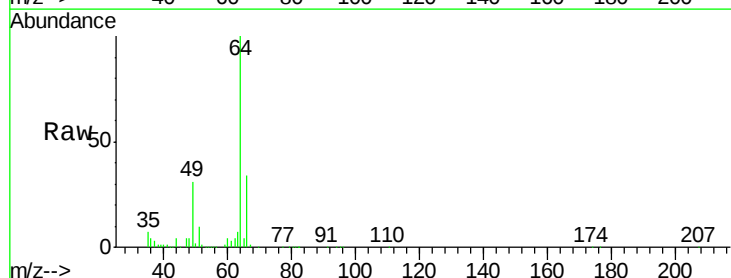
Acq: 31 Aug 2019 20:17

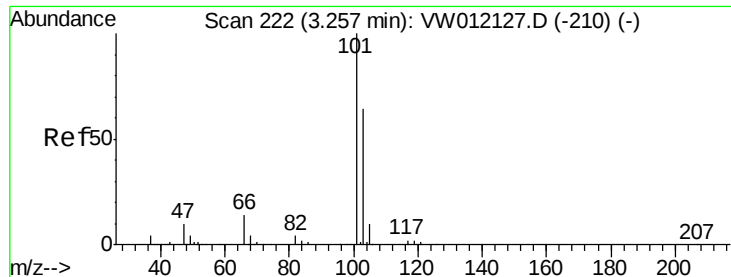
Tgt Ion: 64 Resp: 76198

Ion Ratio Lower Upper

64 100

66 34.3 23.8 35.8





#7

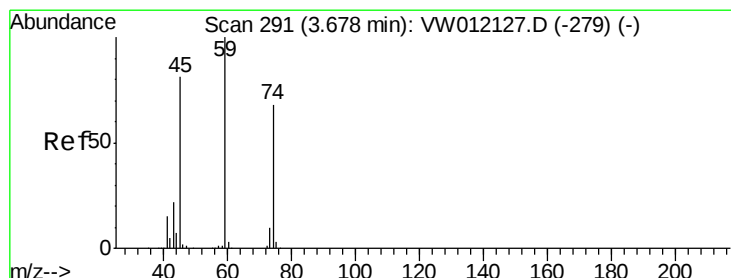
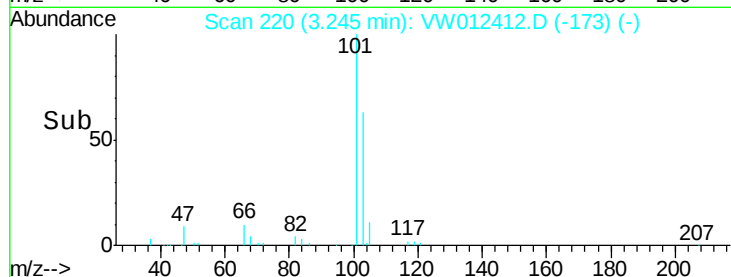
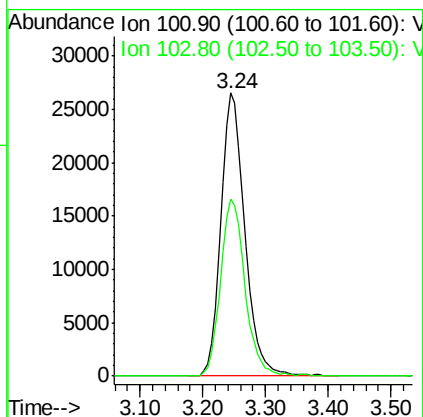
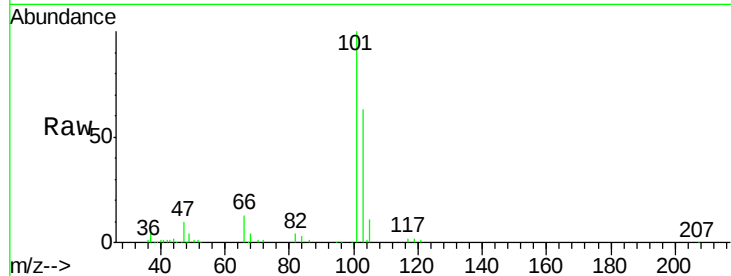
Trichlorofluoromethane
 Concen: 58.513 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.2	76.8

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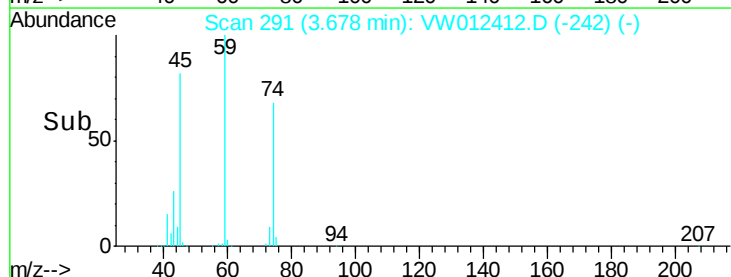
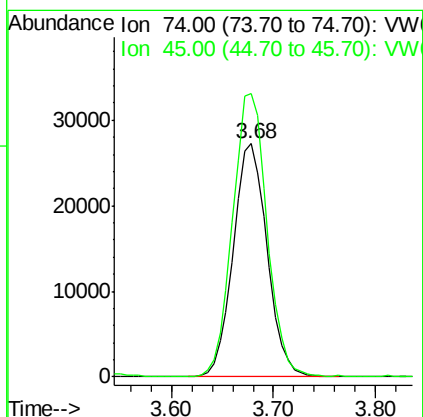
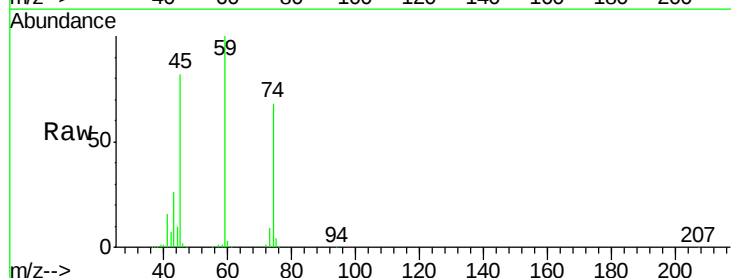
MMDadoda
 9/3/2019 2:42:01 AM

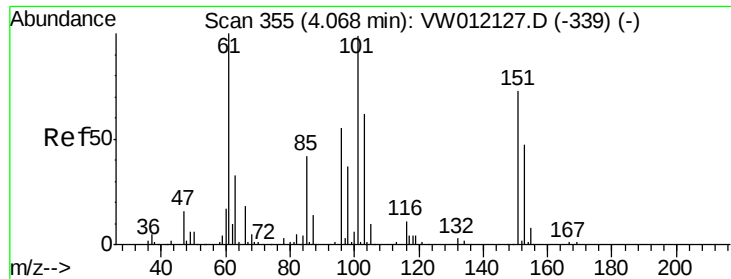


#8

Diethyl Ether
 Concen: 55.179 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.8	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.421 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

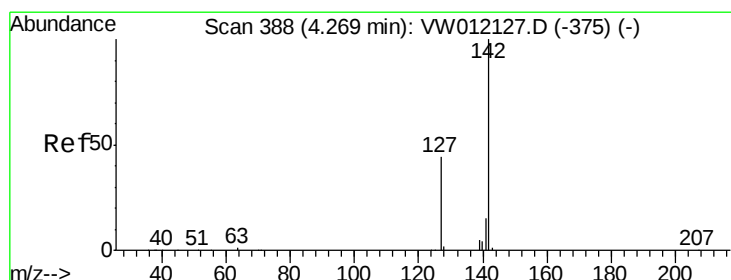
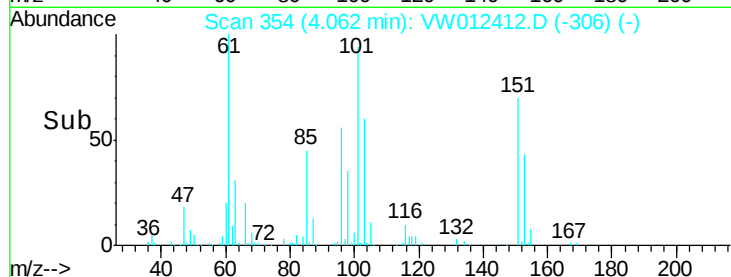
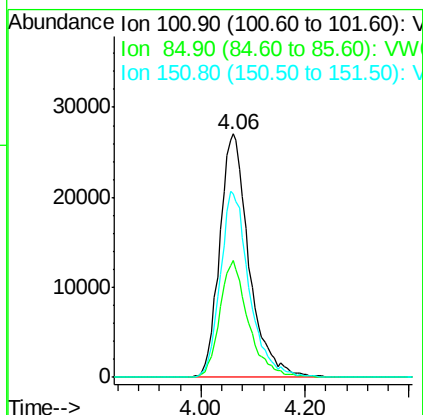
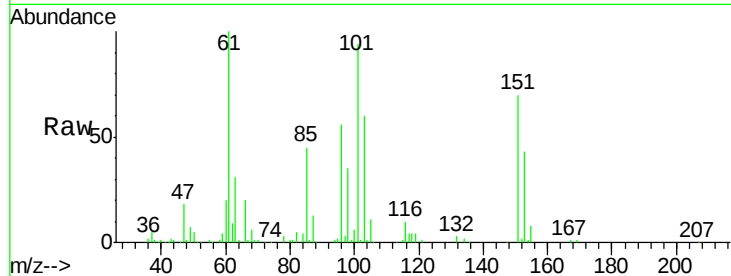
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	106898
Ion Ratio	Lower	Upper	
101	100		
85	46.5	35.8	53.6
151	75.0	58.6	87.8

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#10

Methyl Iodide

Concen: 56.535 ug/l

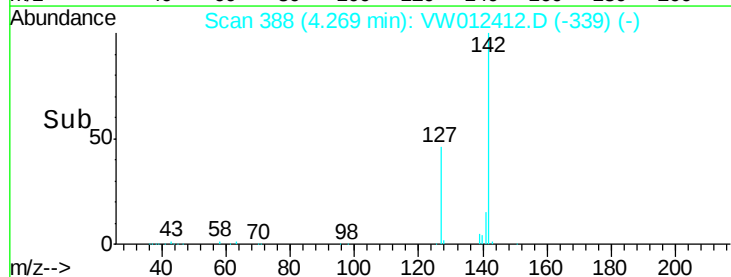
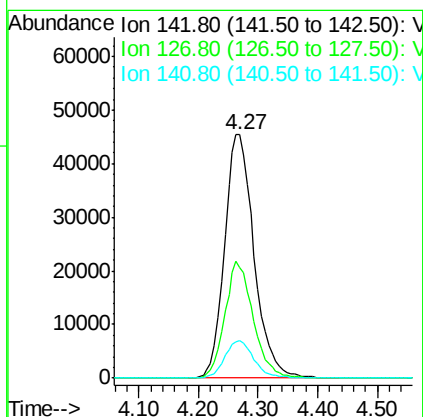
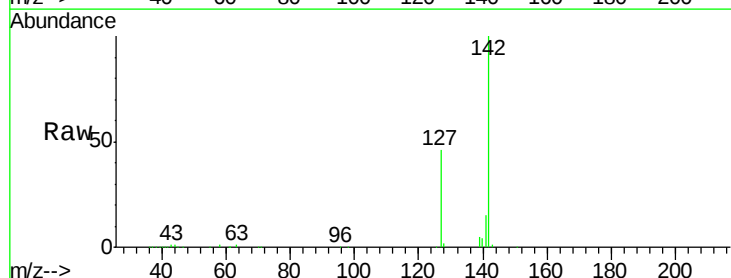
RT: 4.27 min Scan# 388

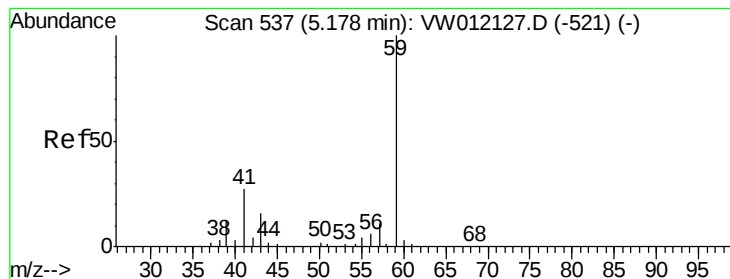
Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion:	142	Resp:	155987
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.5	53.3
141	15.1	11.8	17.8





#11

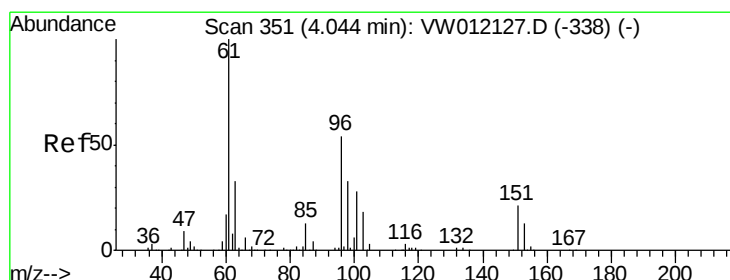
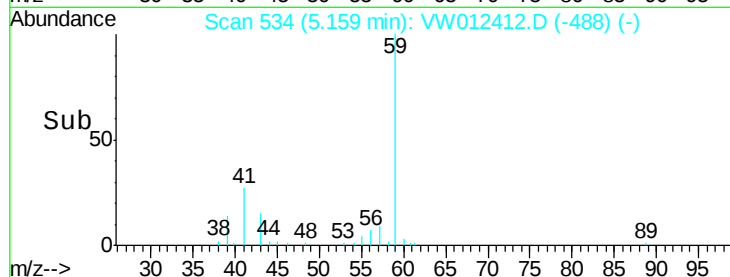
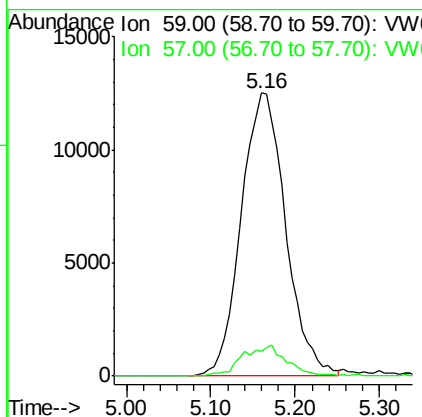
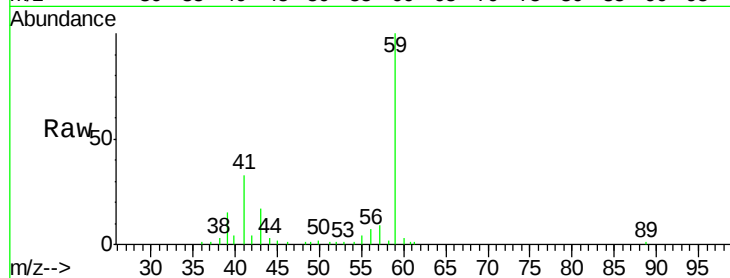
Tert butyl alcohol
 Concen: 307.286 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.9	Resp	44982	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	10.9	Resp	44982	Lower	9.0	Upper	13.4

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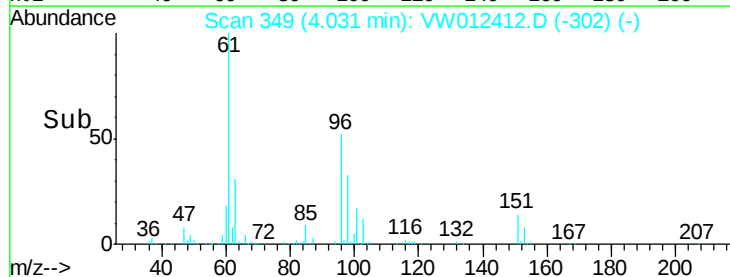
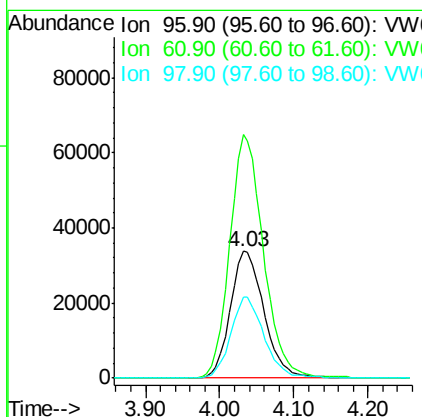
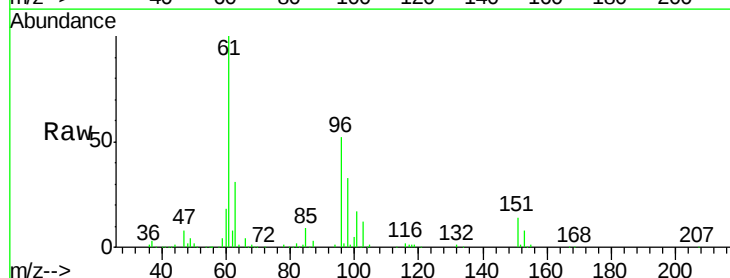
MMDadoda
 9/3/2019 2:42:01 AM

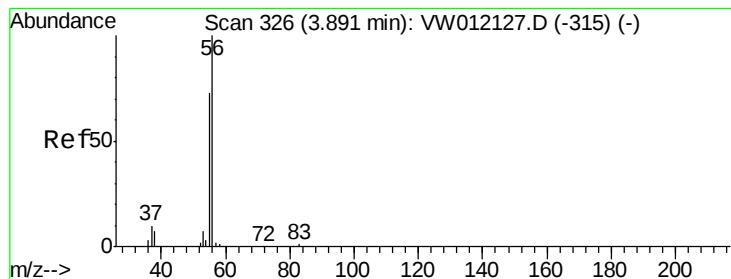


#12

1,1-Dichloroethene
 Concen: 52.116 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	96	61	98	Ratio	100	192.0	64.2	Resp	106967	Lower	149.1	49.4	Upper	223.7	74.2
Ion	96	61	98	Ratio	100	192.0	64.2	Resp	106967	Lower	149.1	49.4	Upper	223.7	74.2





#13

Acrolein

Concen: 250.299 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 34490

Ion Ratio Lower Upper

56 100

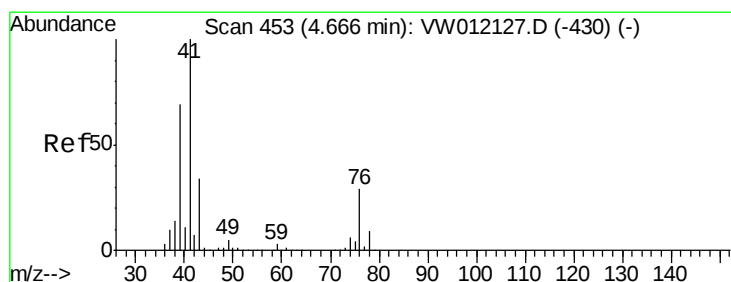
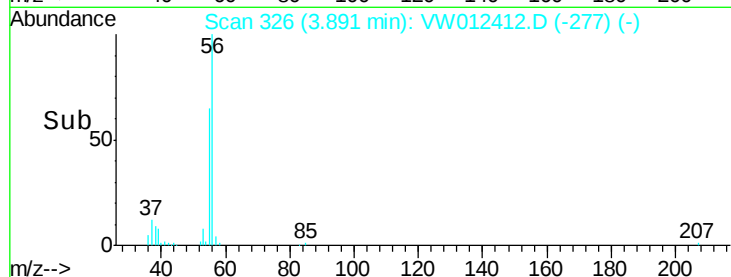
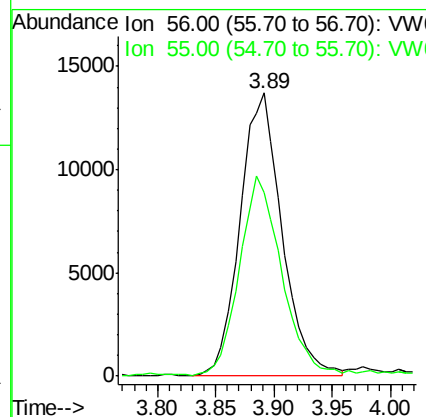
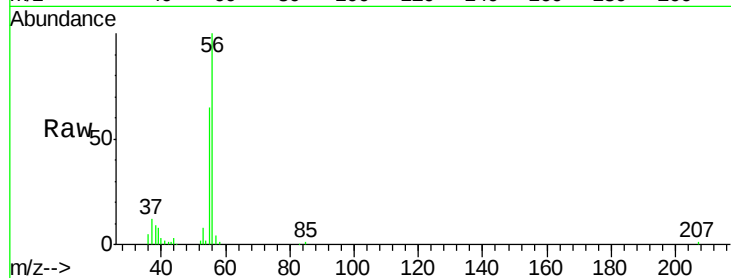
55 71.6 55.8 83.8

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#14

Allyl chloride

Concen: 55.544 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

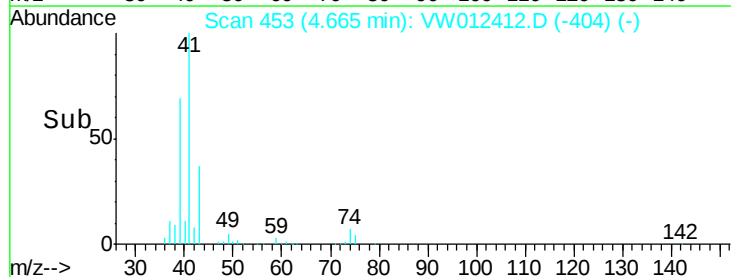
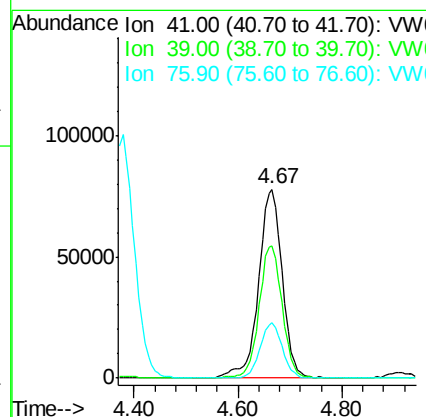
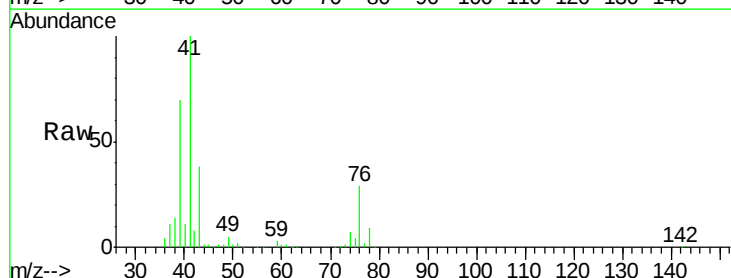
Tgt Ion: 41 Resp: 243720

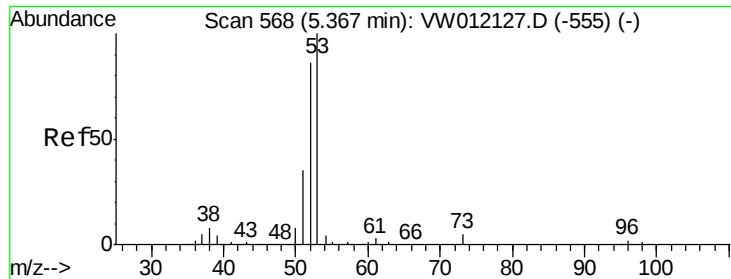
Ion Ratio Lower Upper

41 100

39 67.7 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 291.446 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

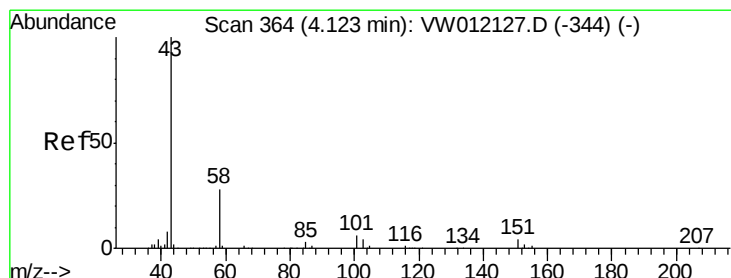
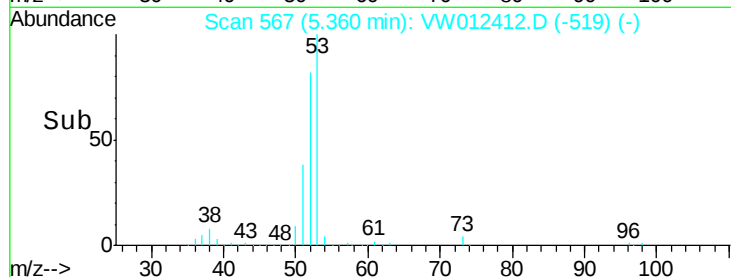
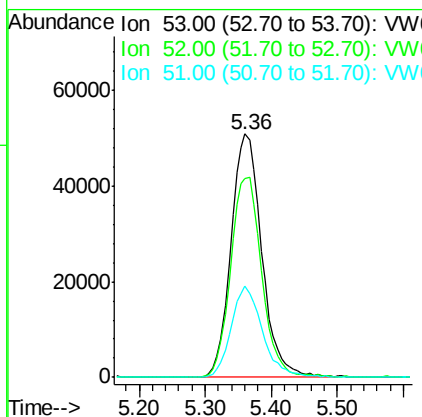
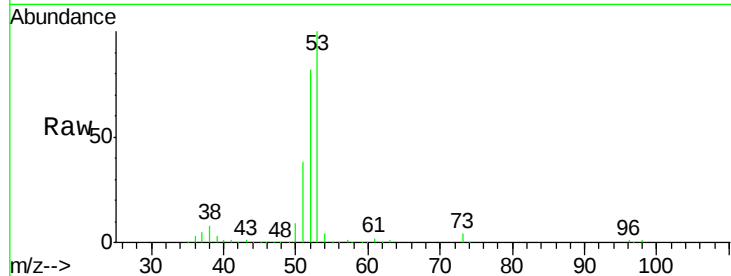
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	164498
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.7	100.1
51	38.2	30.1	45.1

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#16

Acetone

Concen: 270.612 ug/l

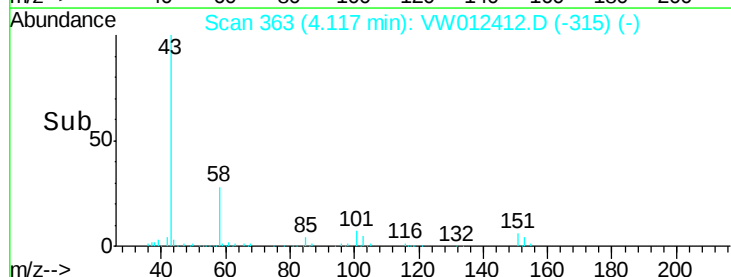
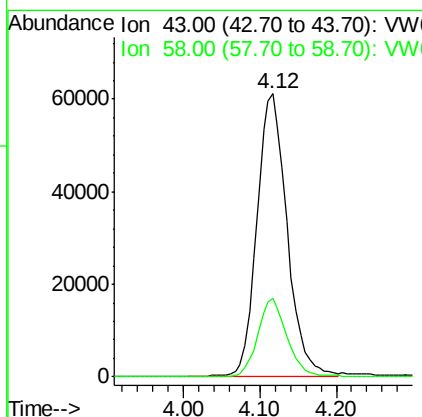
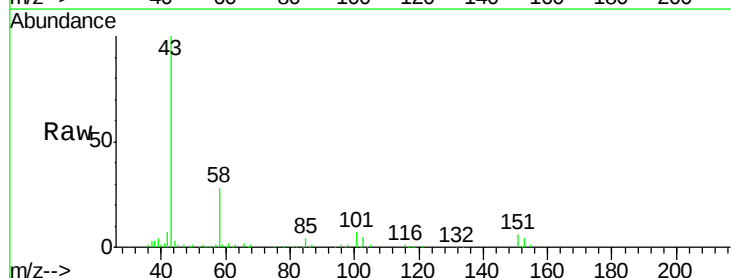
RT: 4.12 min Scan# 363

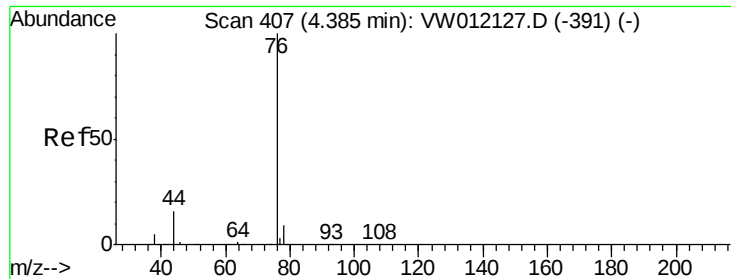
Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion:	43	Resp:	168264
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.4	33.6





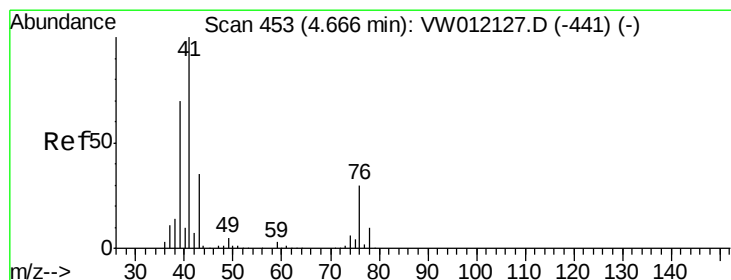
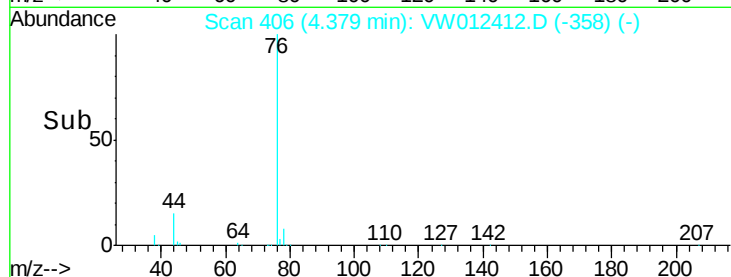
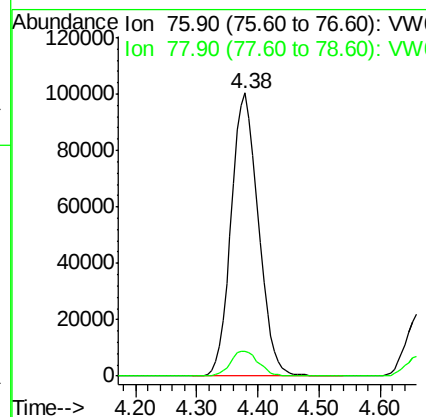
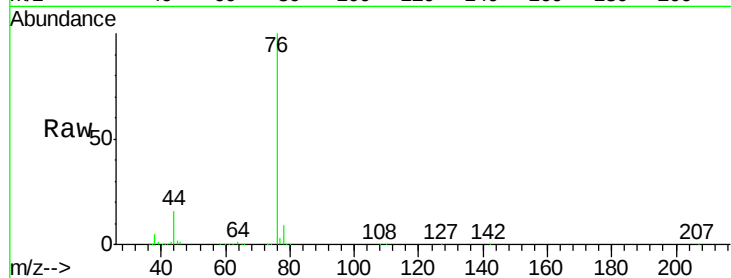
#17
Carbon Disulfide
Concen: 49.924 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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

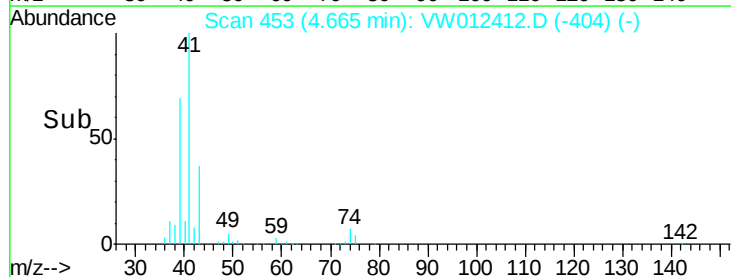
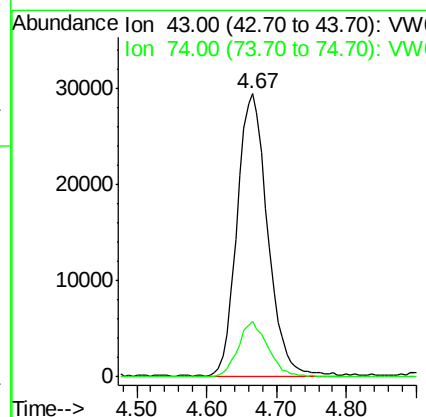
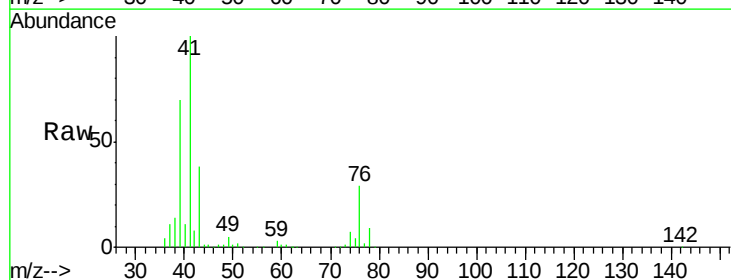
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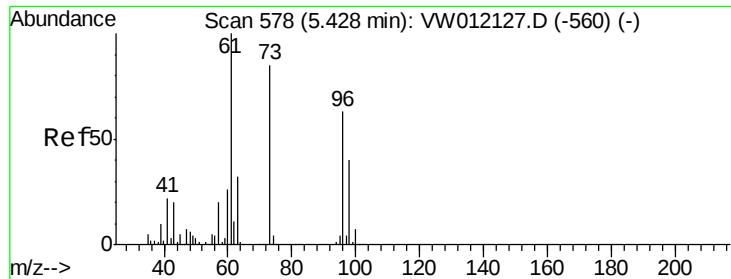
MMDadoda
9/3/2019 2:42:01 AM



#18
Methyl Acetate
Concen: 57.989 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	19.4	15.7	23.5	





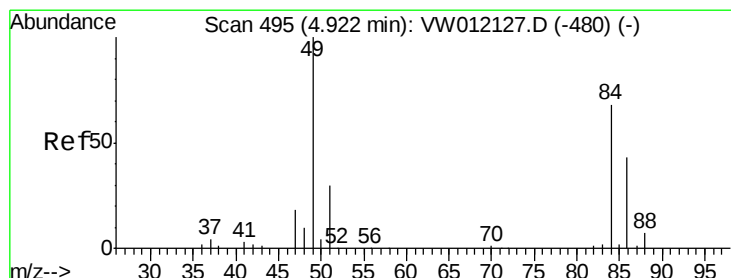
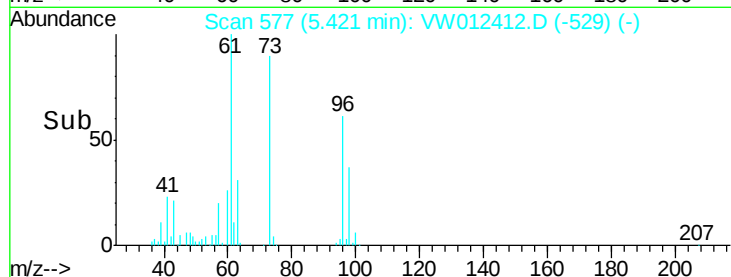
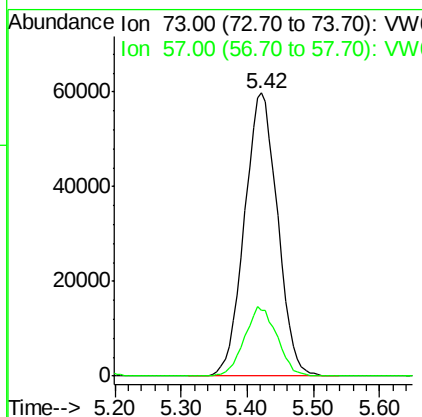
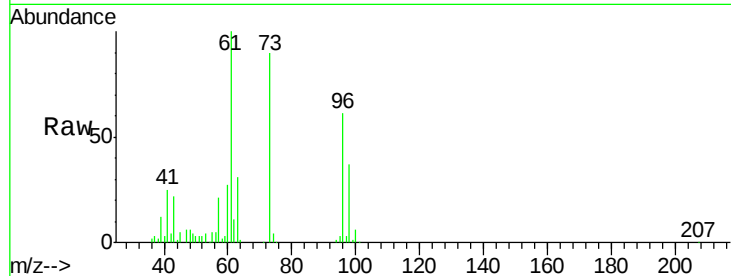
#19
Methvl tert-butvl Ether
Concen: 62.697 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 208100
Ion Ratio Lower Upper
73 100
57 23.4 18.9 28.3

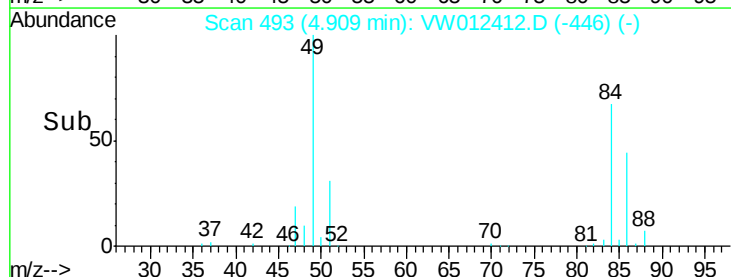
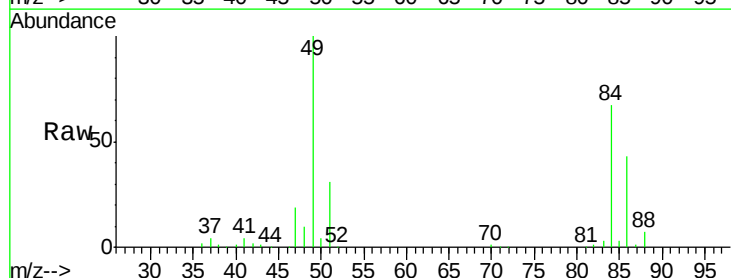
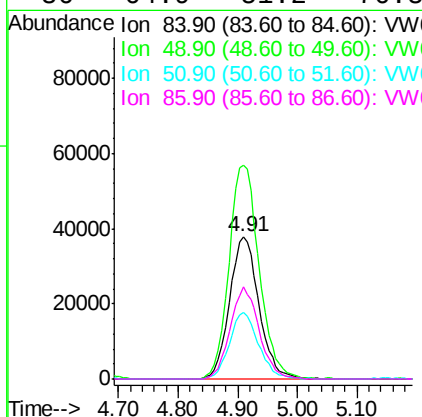
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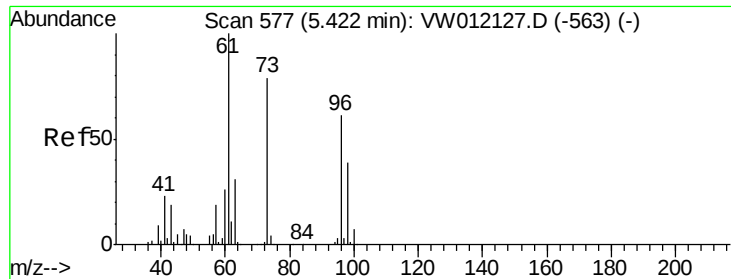
MMDadoda
9/3/2019 2:42:01 AM



#20
Methylene Chloride
Concen: 55.264 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 84 Resp: 129905
Ion Ratio Lower Upper
84 100
49 149.7 117.8 176.8
51 46.9 35.6 53.4
86 64.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 54.653 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 120290

Ion Ratio Lower Upper

96 100

61 164.7 131.4 197.0

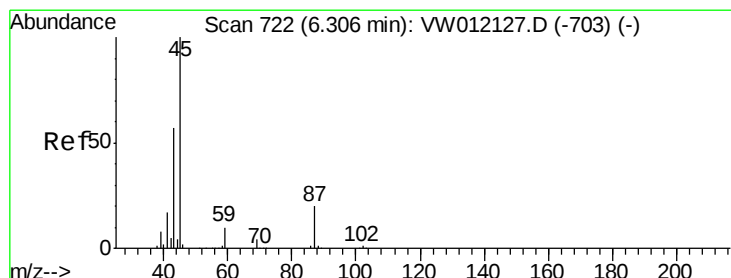
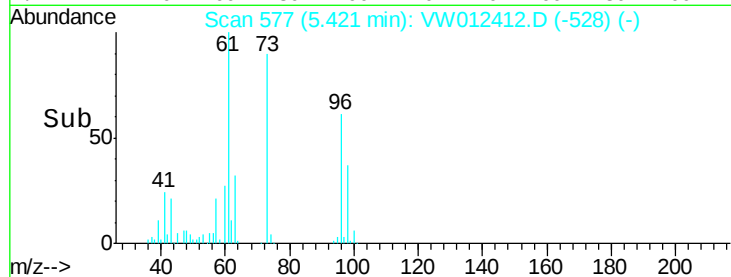
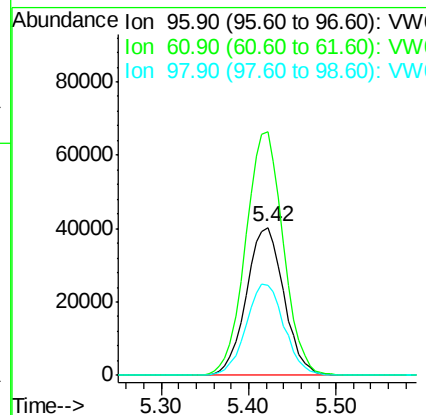
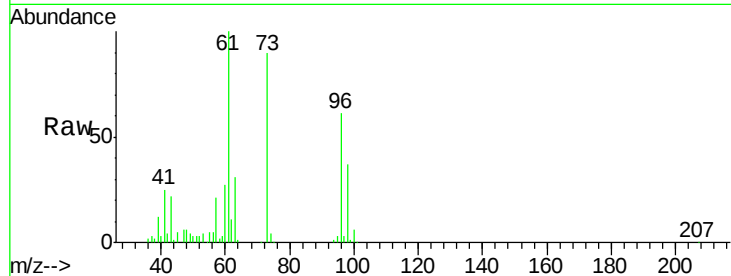
98 60.7 51.4 77.0

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#22

Diisopropyl ether

Concen: 59.650 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion: 45 Resp: 485149

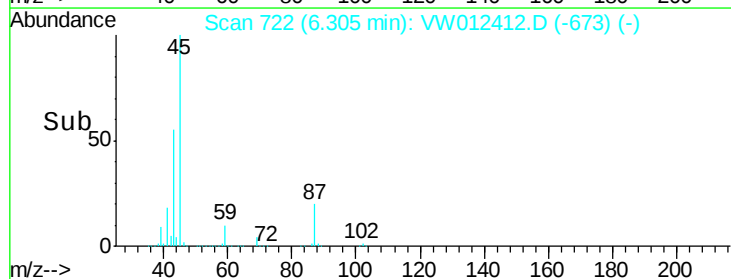
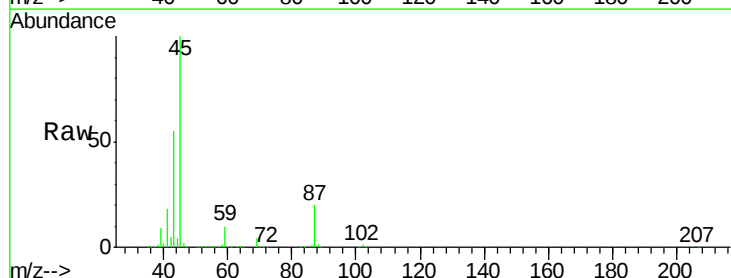
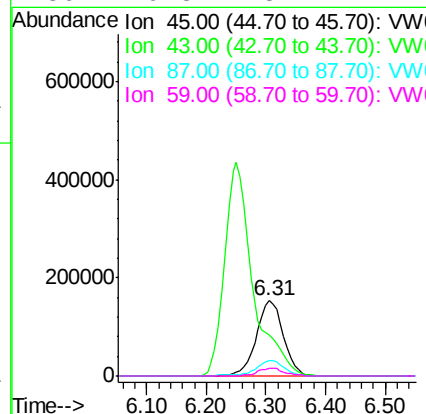
Ion Ratio Lower Upper

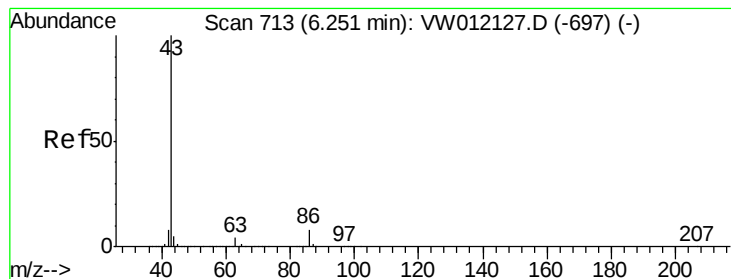
45 100

43 54.9 45.5 68.3

87 20.1 16.1 24.1

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 286.359 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1433332

Ion Ratio Lower Upper

43 100

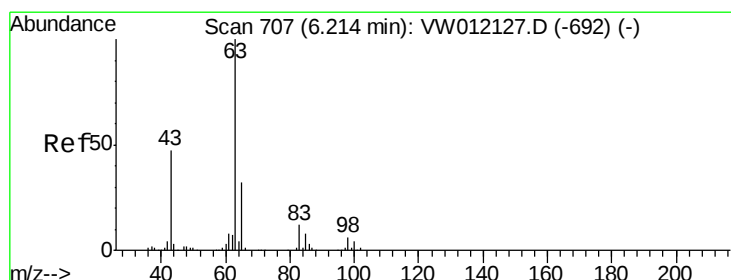
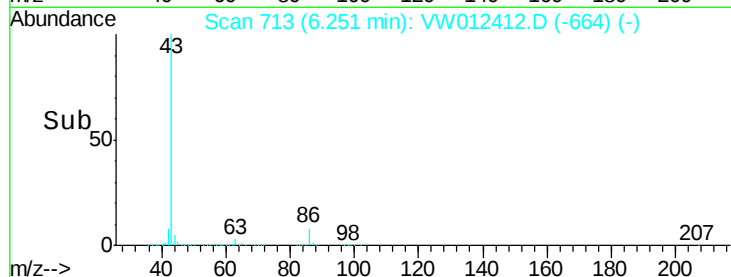
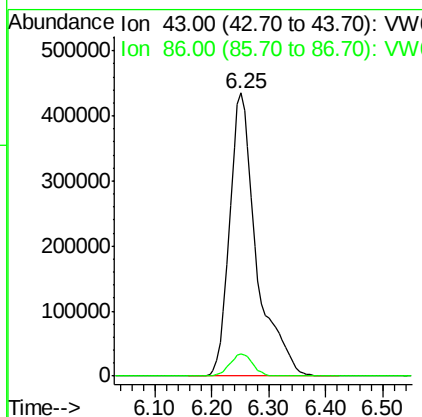
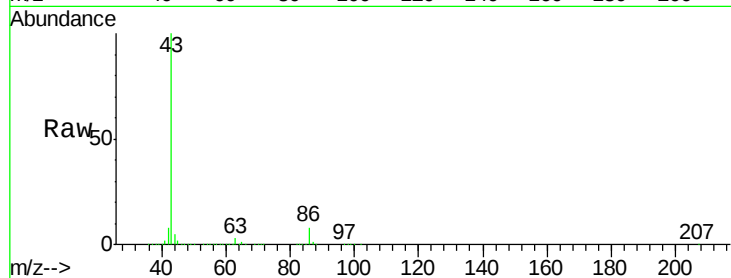
86 7.9 6.5 9.7

Manual Integrations

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MMDadoda

9/3/2019 2:42:01 AM



#24

1,1-Dichloroethane

Concen: 56.915 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

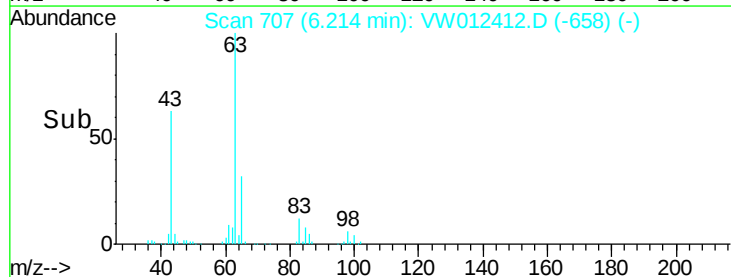
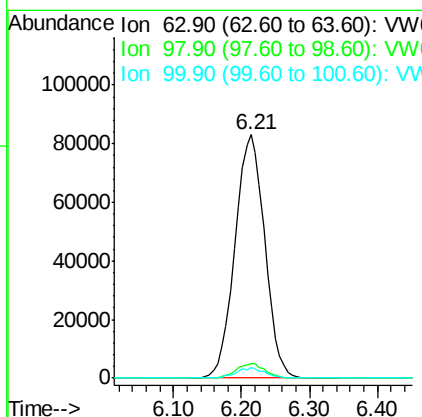
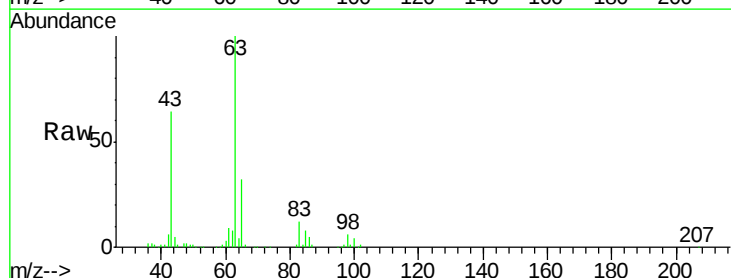
Tgt Ion: 63 Resp: 252048

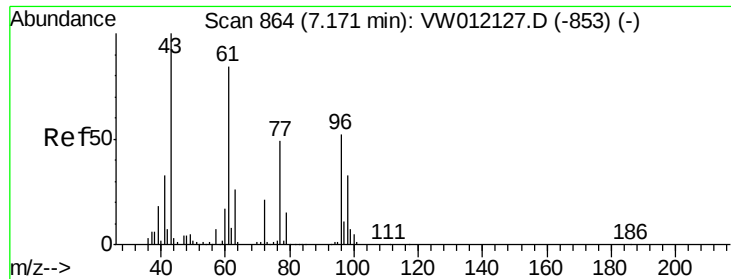
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.1 2.0 6.0





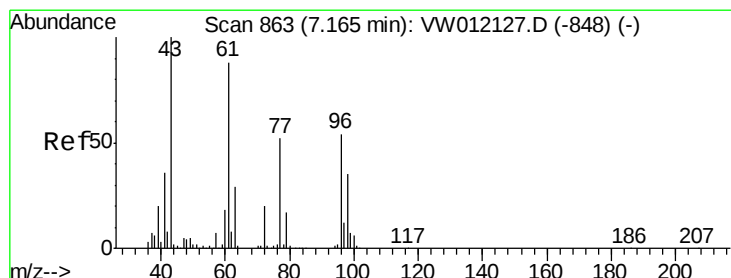
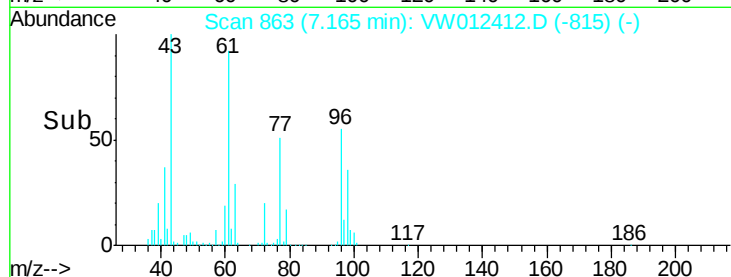
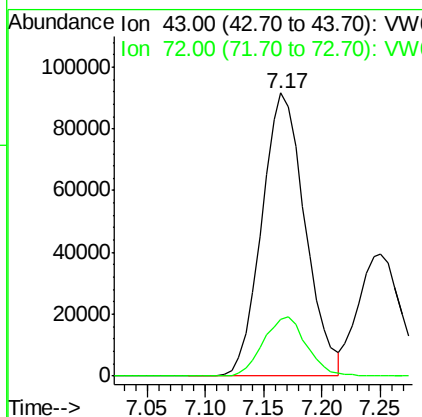
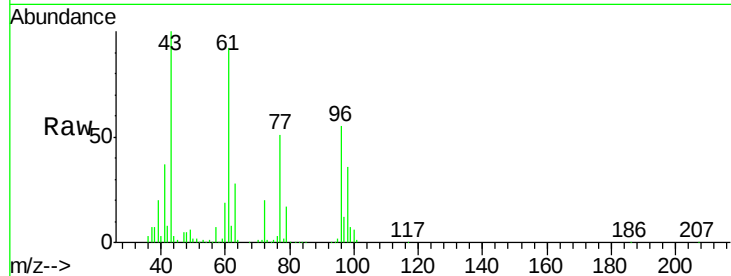
#25
2-Butanone
Concen: 279.056 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 235786
Ion Ratio Lower Upper
43 100
72 20.3 16.6 24.8

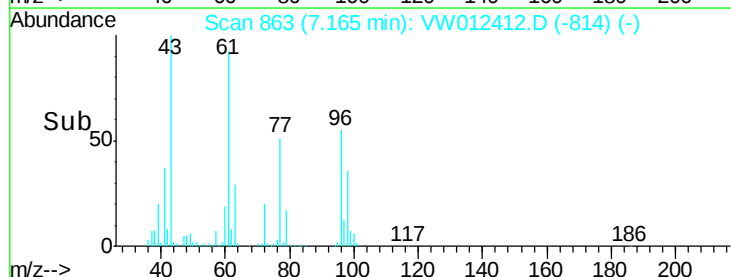
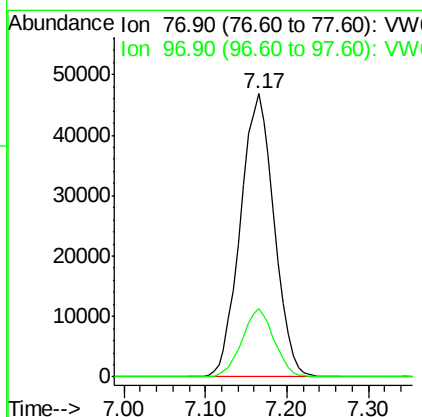
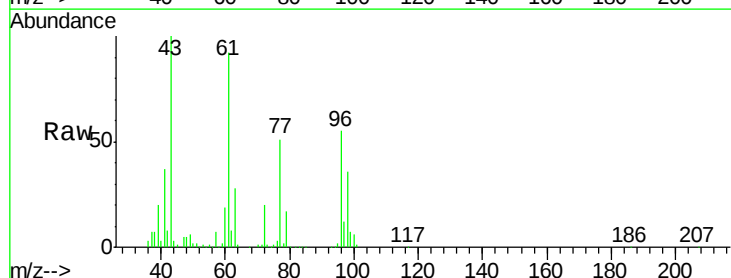
Manual Integrations
APPROVED

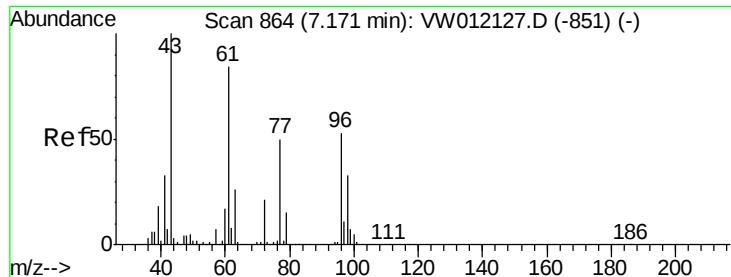
MMDadoda
9/3/2019 2:42:01 AM



#26
2,2-Dichloropropane
Concen: 53.628 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 77 Resp: 134421
Ion Ratio Lower Upper
77 100
97 22.9 11.1 33.1





#27

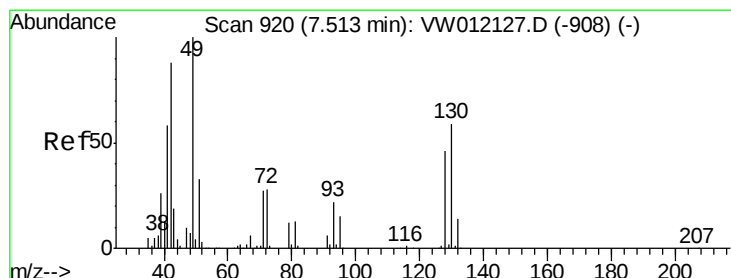
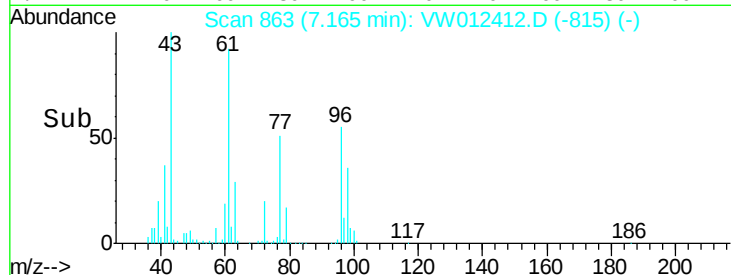
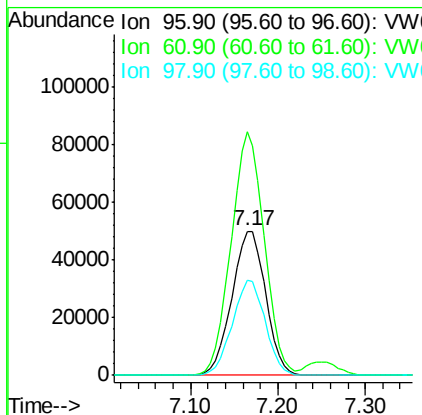
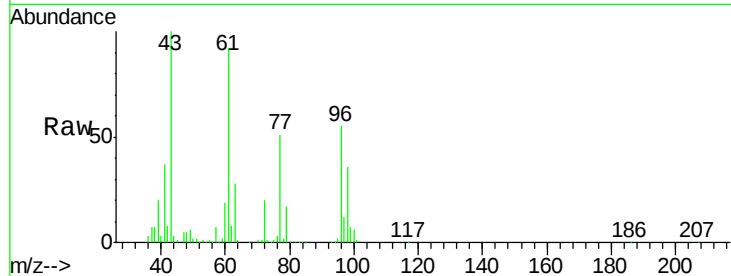
cis-1,2-Dichloroethene
 Concen: 57.044 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134140		
61	166.4	0.0	326.6	
98	64.2	0.0	127.4	

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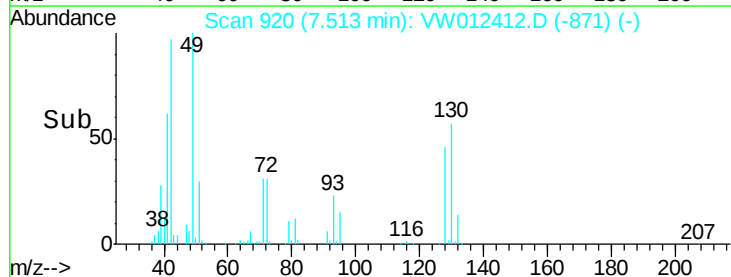
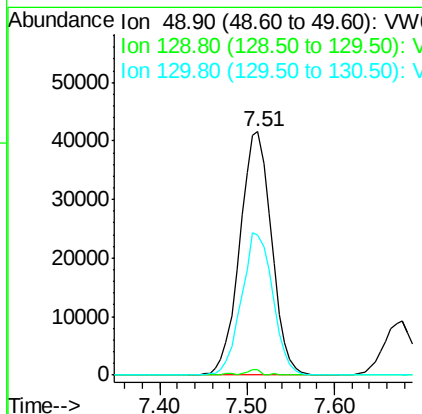
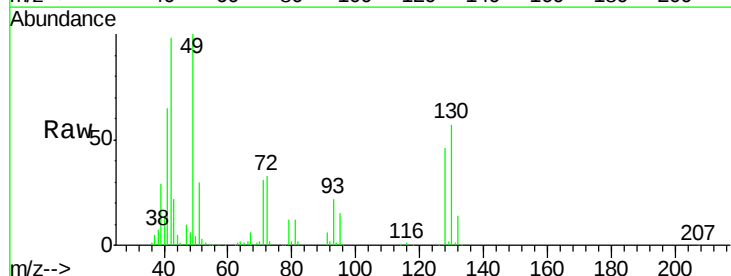
MMDadoda
 9/3/2019 2:42:01 AM

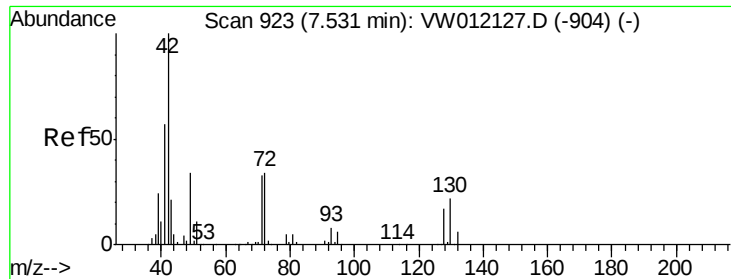


#28

Bromochloromethane
 Concen: 54.288 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104783		
129	1.1	0.0	1.4	
130	57.6	45.5	68.3	





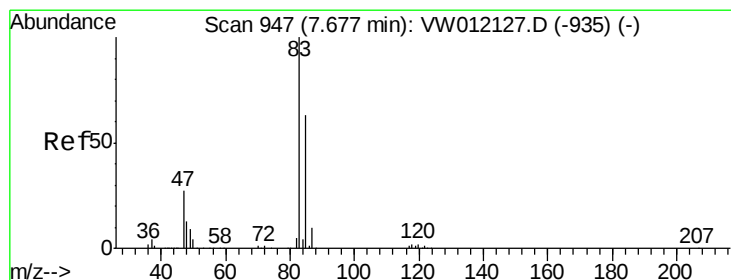
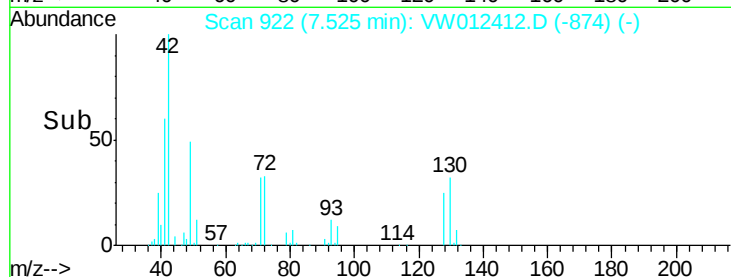
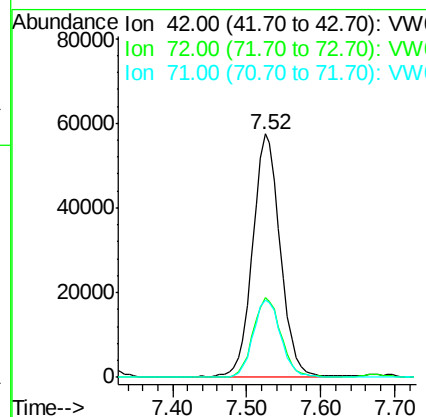
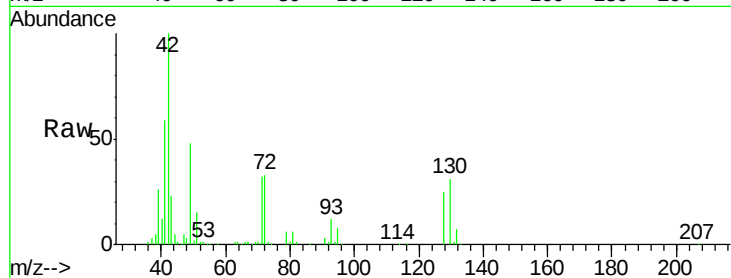
#29
Tetrahydrofuran
Concen: 293.371 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	148718
Ion	Ratio	Lower	Upper
42	100		
72	33.3	27.3	40.9
71	32.1	25.5	38.3

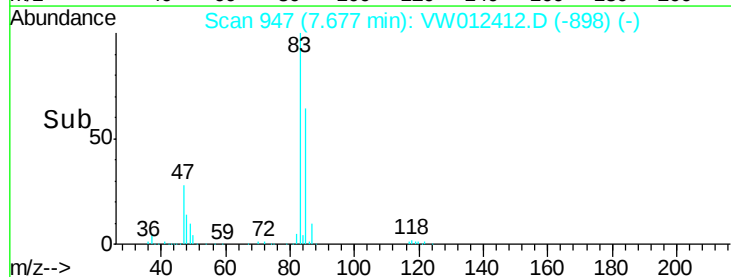
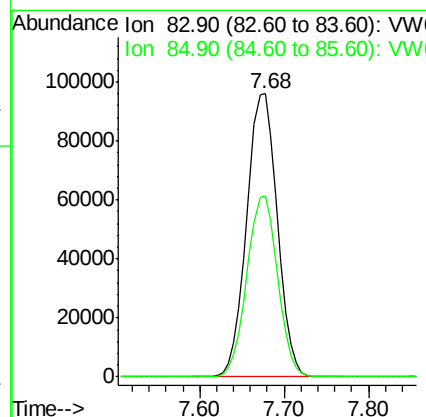
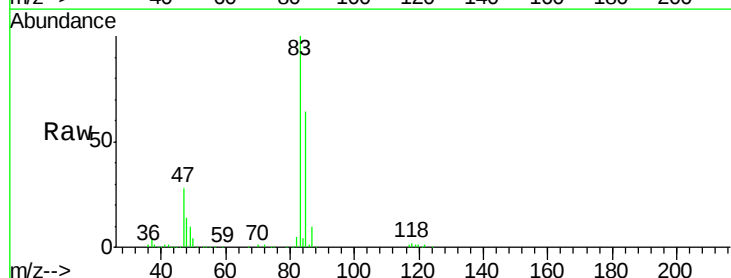
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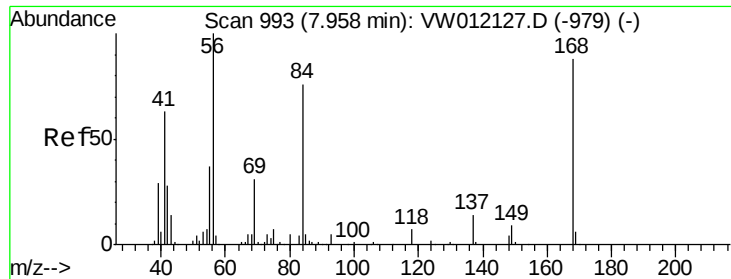
MMDadoda
9/3/2019 2:42:01 AM



#30
Chloroform
Concen: 58.287 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion:	83	Resp:	236153
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	76.0





#31

Cyclohexane

Concen: 47.561 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012412.D

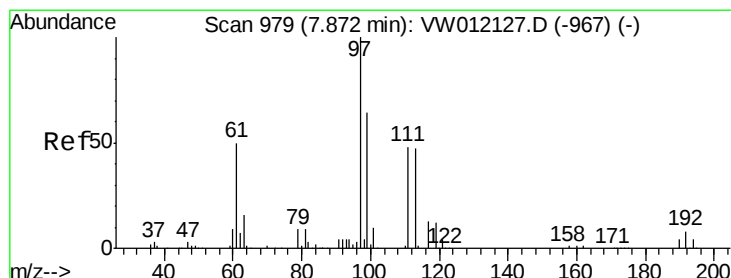
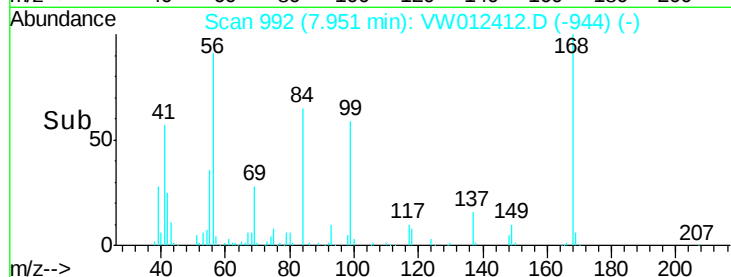
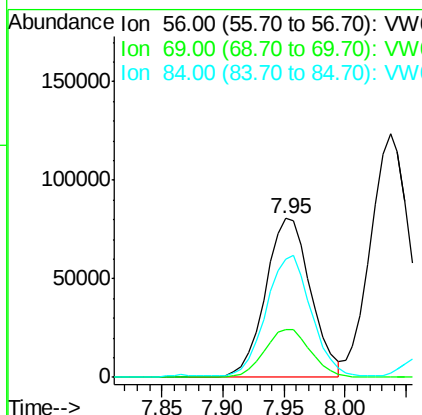
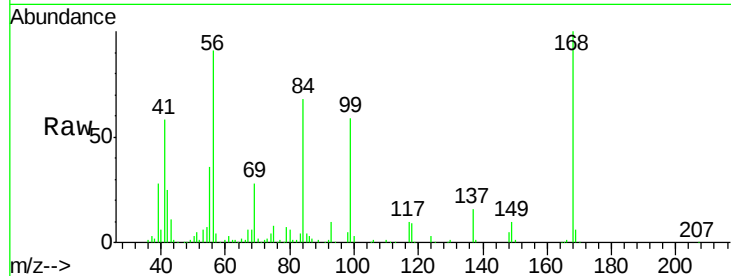
Acq: 31 Aug 2019 20:17

Tot Ion	56	Resp	208381
Ion Ratio	Lower	Upper	
56	100		
69	30.3	24.9	37.3
84	73.0	60.6	90.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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#32

1,1,1-Trichloroethane

Concen: 57.421 ug/l

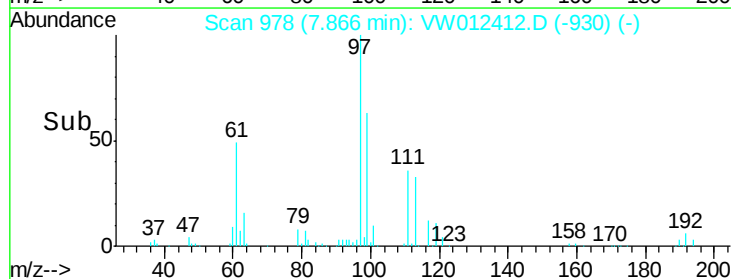
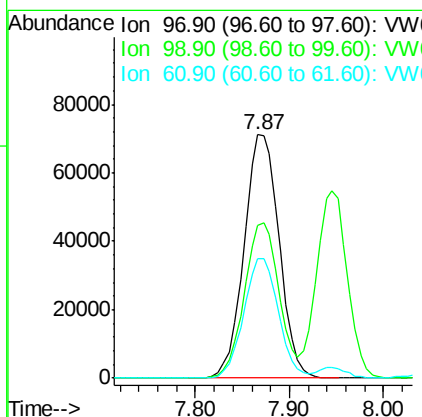
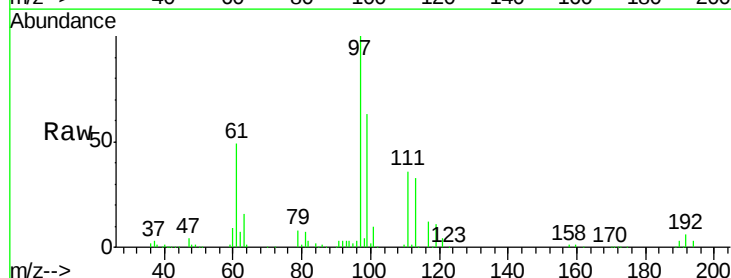
RT: 7.87 min Scan# 978

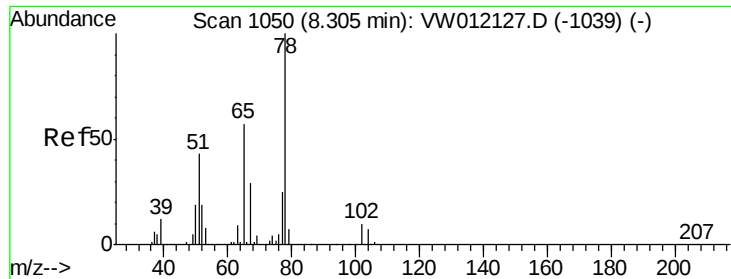
Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion	97	Resp	184042
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.4	77.0
61	48.8	39.5	59.3





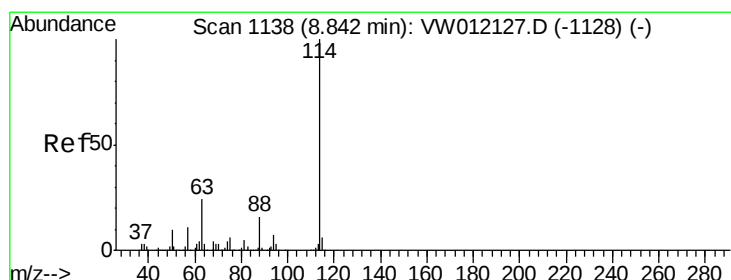
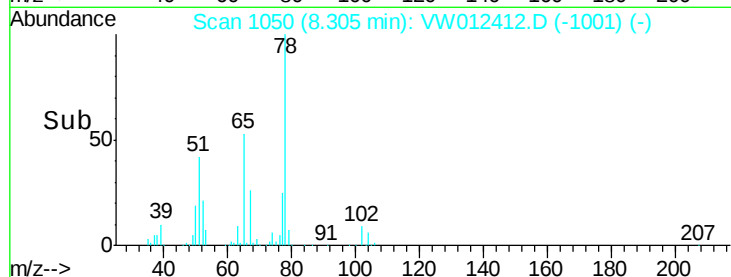
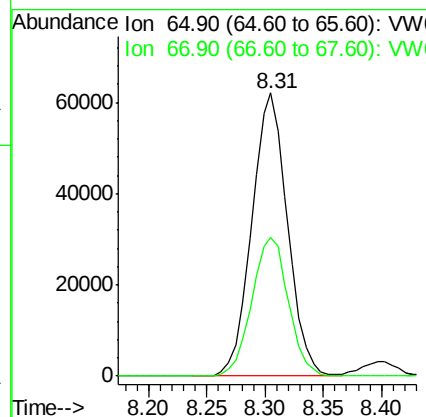
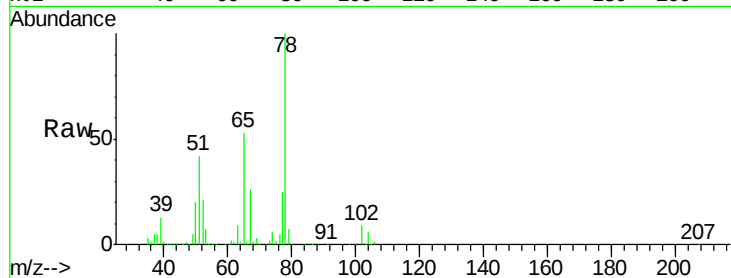
#33
 1,2-Dichloroethane-d4
 Concen: 54.446 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132437		
67	50.4	0.0	102.6	

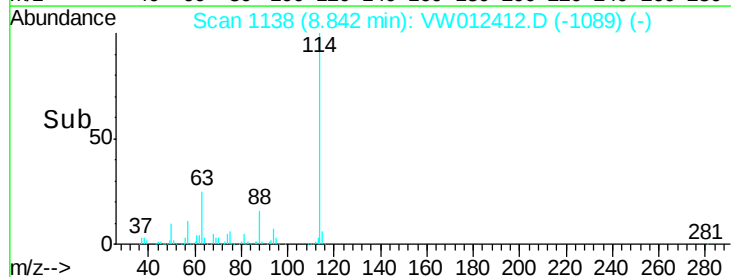
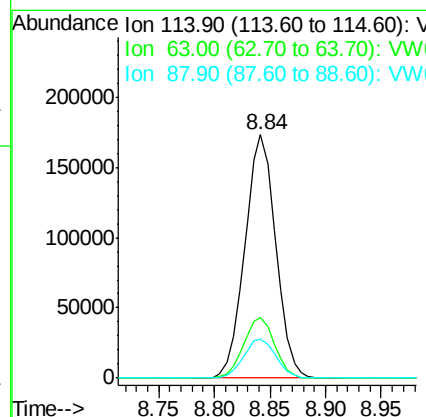
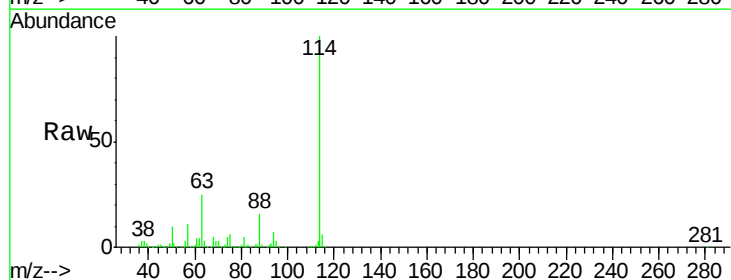
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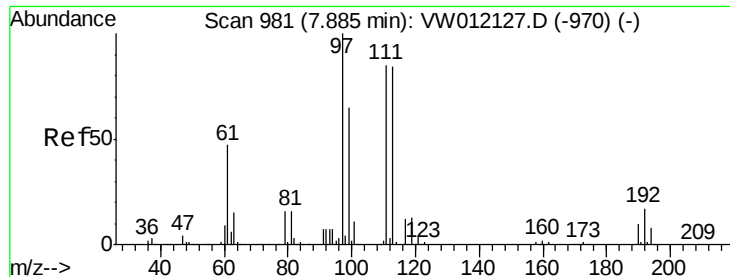
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 9/3/2019 2:42:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	333801		
63	25.0	0.0	48.6	
88	16.1	0.0	32.2	





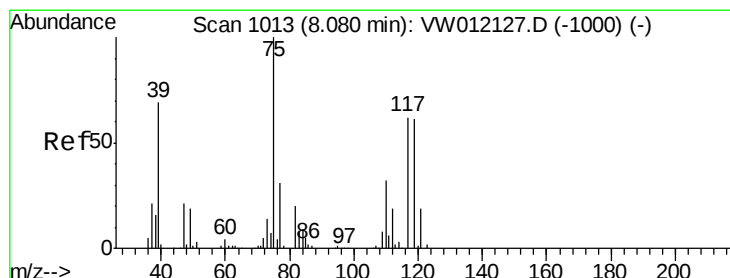
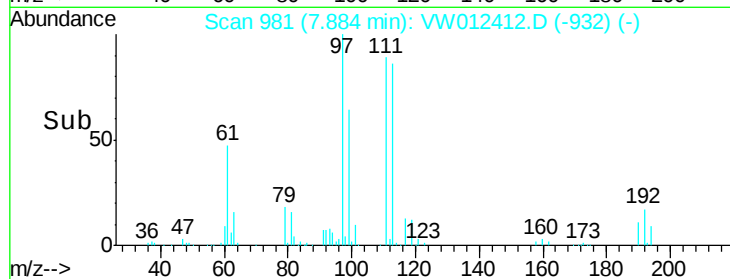
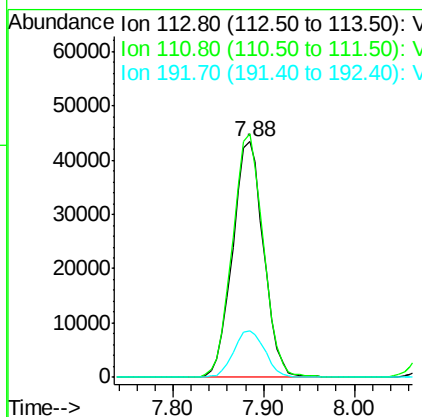
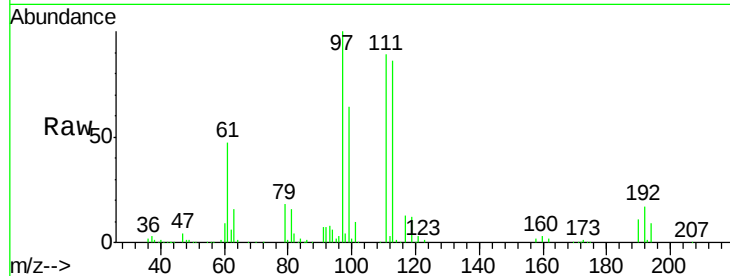
#35
 Dibromofluoromethane
 Concen: 51.641 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102894		
111	102.9	82.7	124.1	
192	20.1	16.2	24.2	

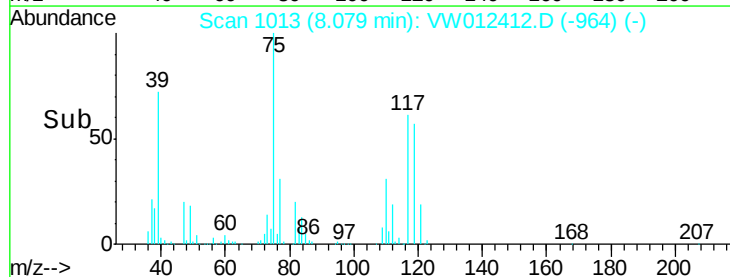
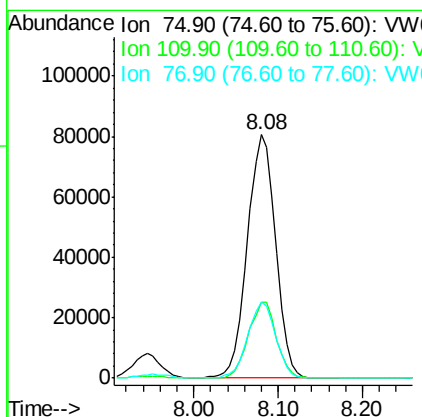
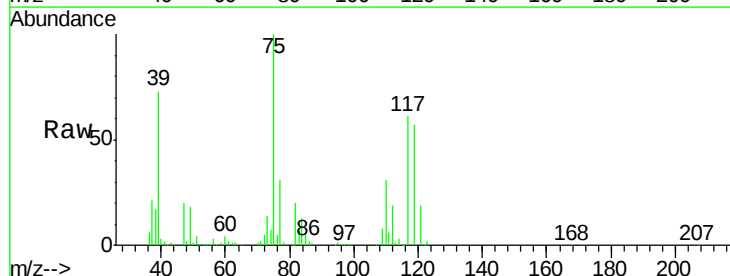
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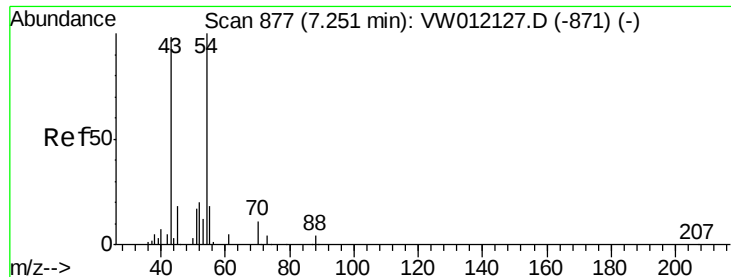
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 9/3/2019 2:42:01 AM



#36
 1,1-Dichloropropene
 Concen: 53.039 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	182955		
110	30.8	15.6	46.8	
77	31.0	24.6	36.8	





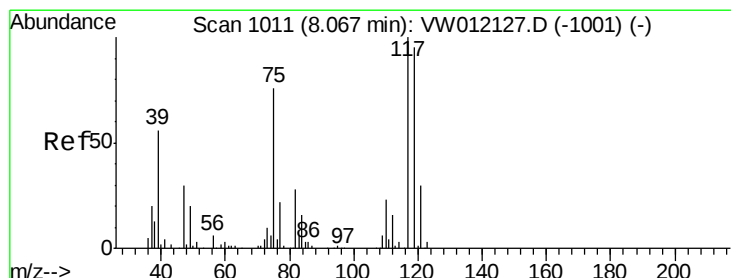
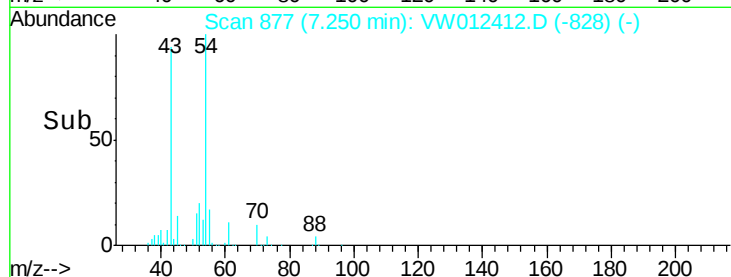
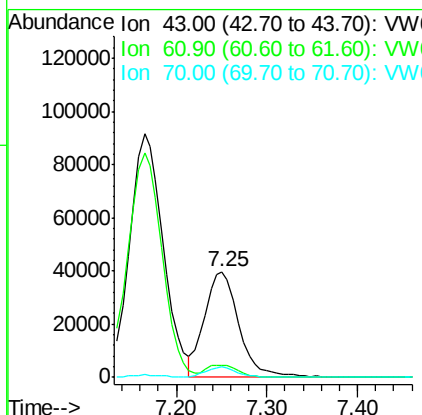
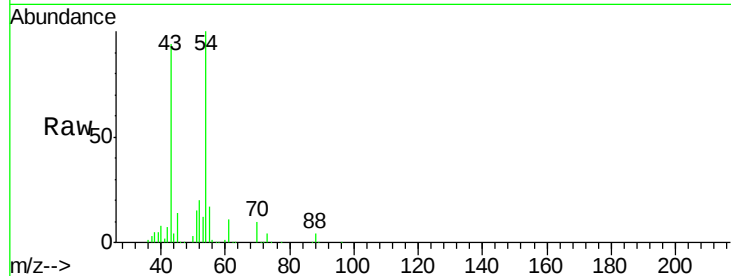
#37
Ethyl Acetate
Concen: 55.123 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.2	13.8
70	9.1	6.9	10.3

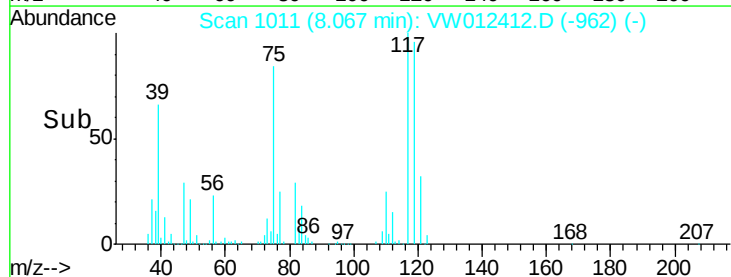
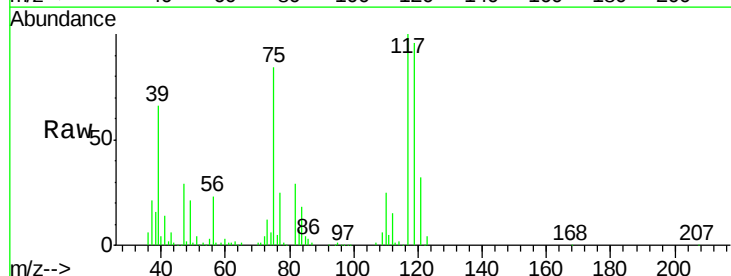
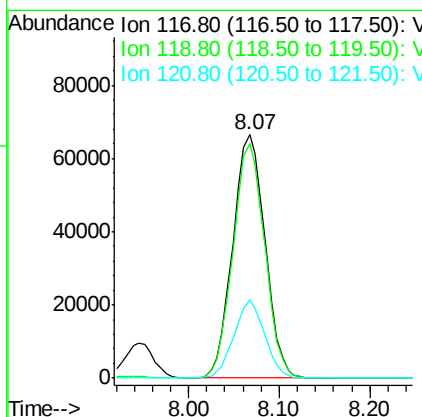
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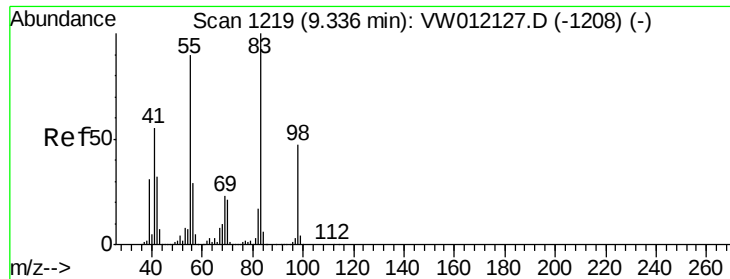
MMDadoda
9/3/2019 2:42:01 AM



#38
Carbon Tetrachloride
Concen: 55.015 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.2
121	32.4	23.8	35.8





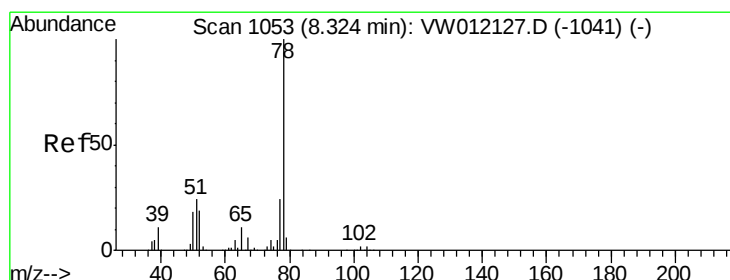
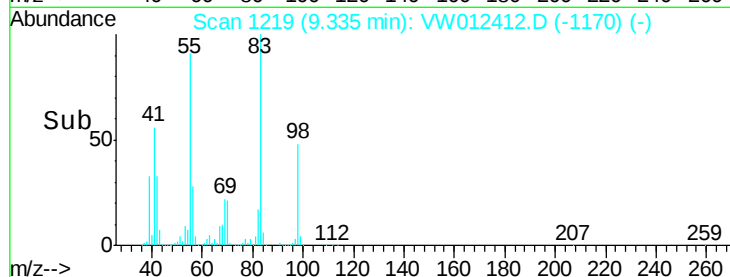
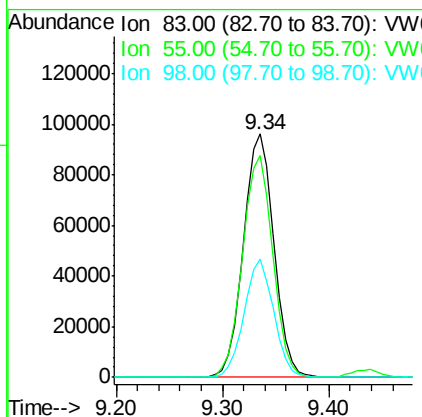
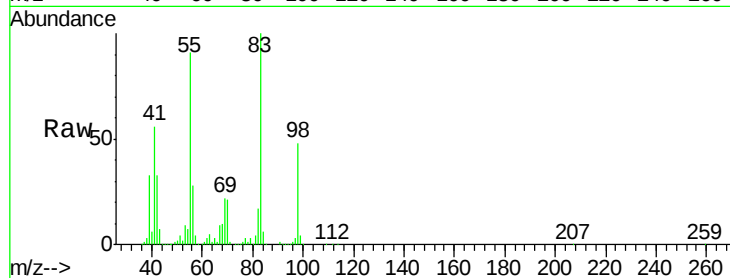
#39
Methvlcvclohexane
Concen: 50.043 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.3	71.8	107.8
98	48.4	37.8	56.8

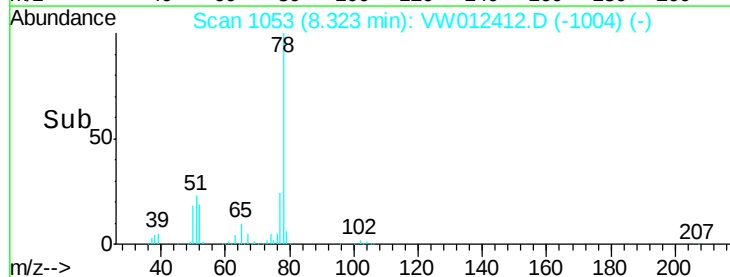
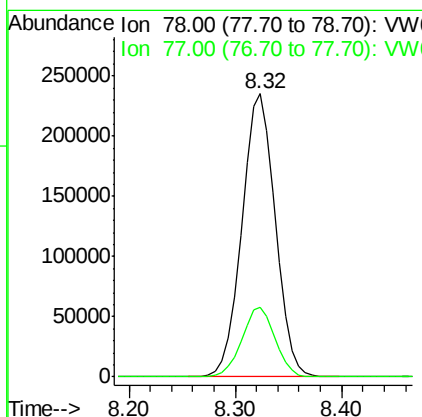
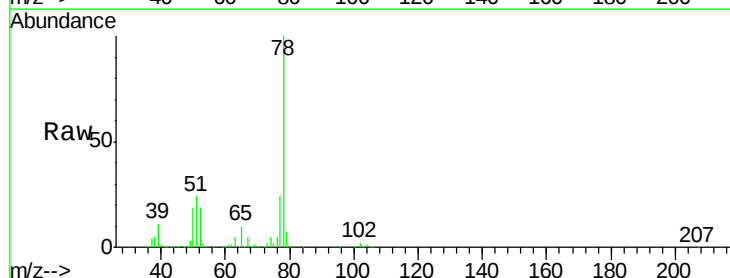
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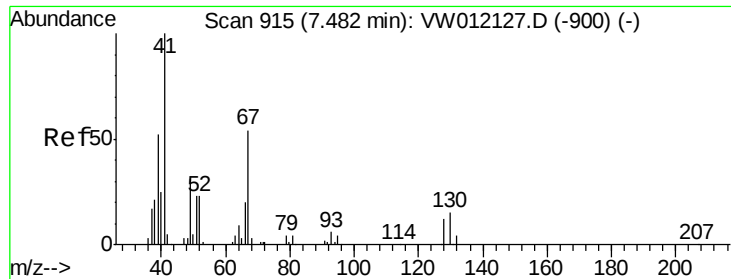
MMDadoda
9/3/2019 2:42:01 AM



#40
Benzene
Concen: 54.882 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.5	29.3





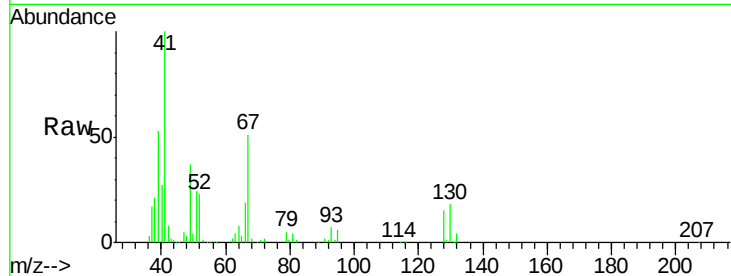
#41
Methacrylonitrile
Concen: 52.645 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

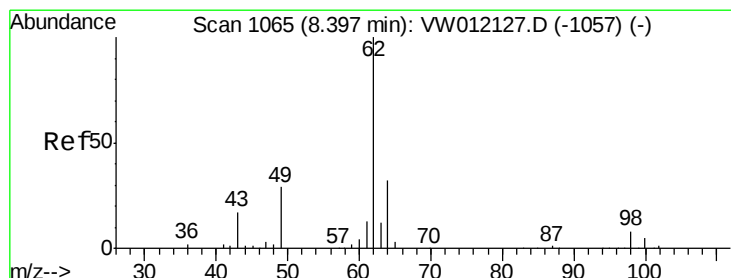
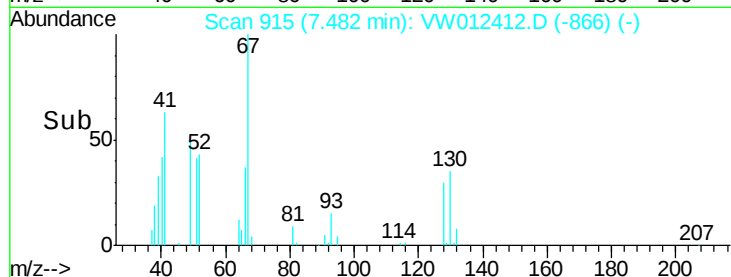
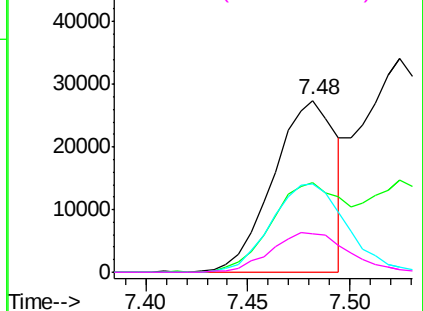
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		58487		
39	61.0	45.8	68.8		
67	62.1	46.2	69.4		
52	29.0	21.0	31.6		

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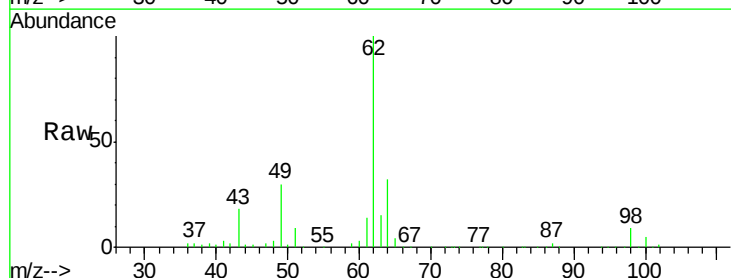


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

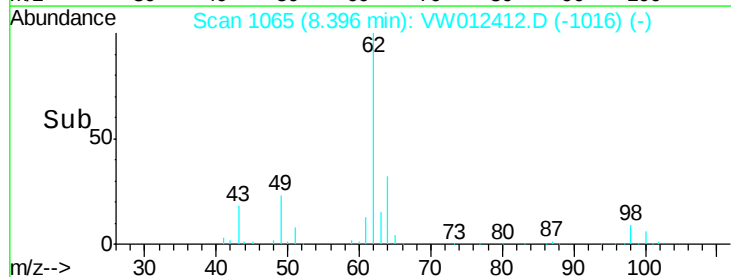
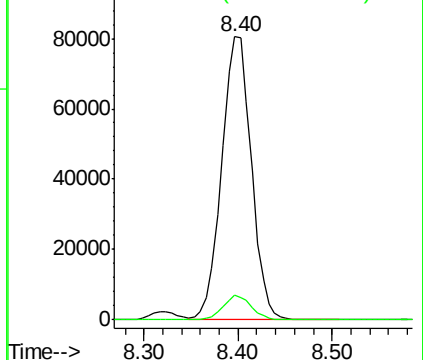


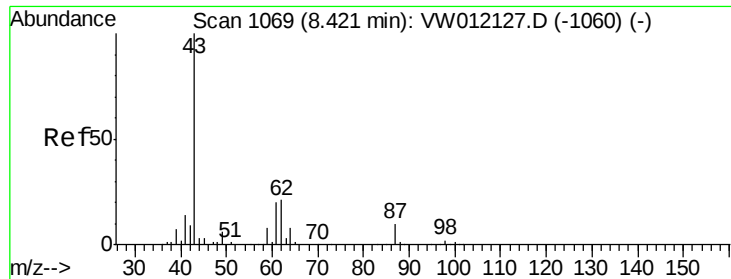
#42
1,2-Dichloroethane
Concen: 59.561 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		175824		
98	8.2	0.0	16.6		



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 56.265 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

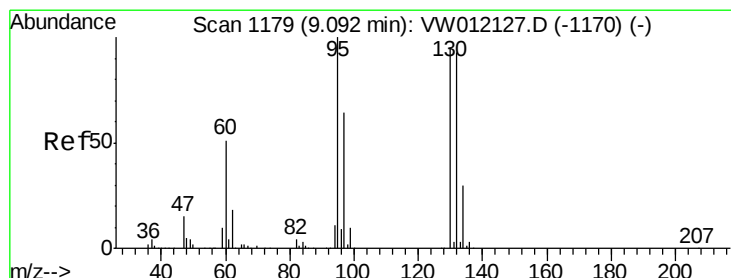
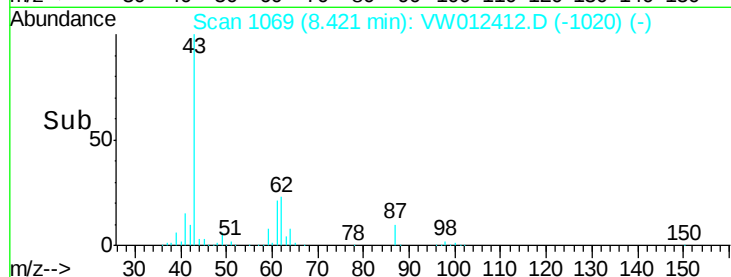
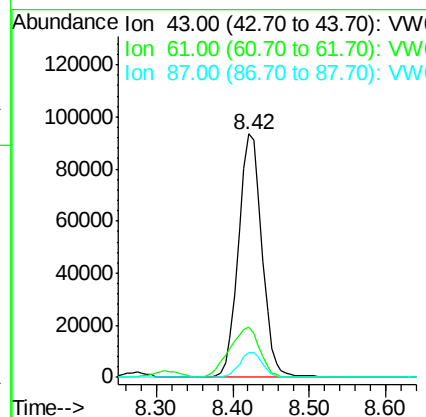
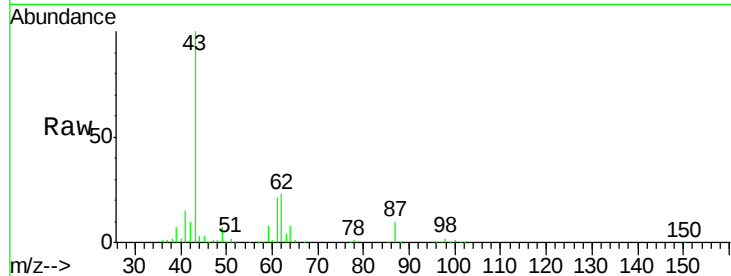
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	197002
Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.1	31.7
87	10.2	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 54.282 ug/l

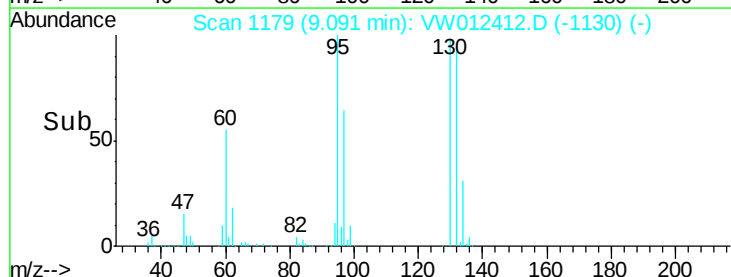
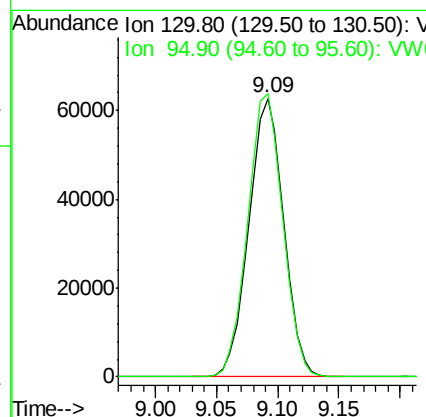
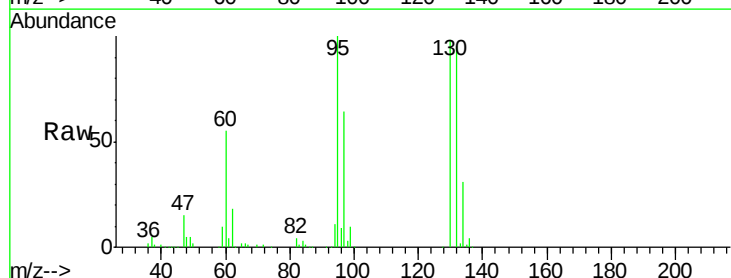
RT: 9.09 min Scan# 1179

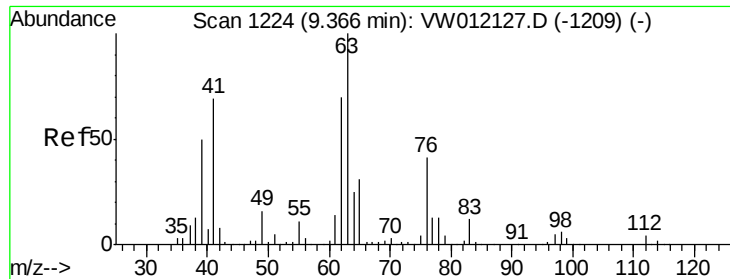
Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion:	130	Resp:	124291
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	210.6





#45

1,2-Dichloropropane

Concen: 55.662 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 141098

Ion Ratio Lower Upper

63 100

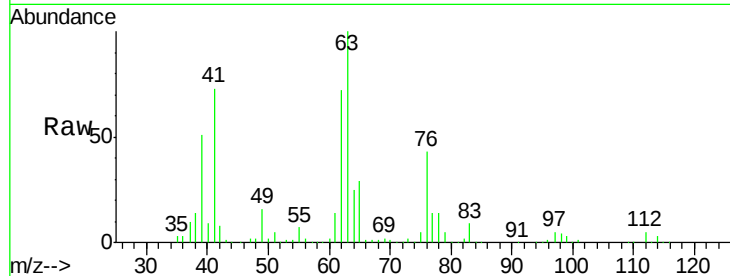
65 29.3 25.0 37.4

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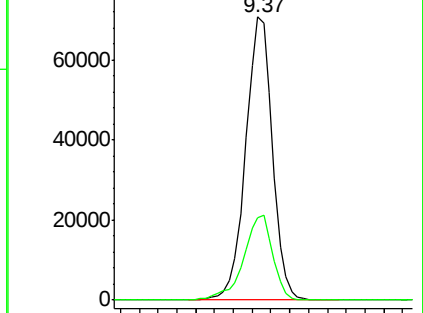
MMDadoda

9/3/2019 2:42:01 AM

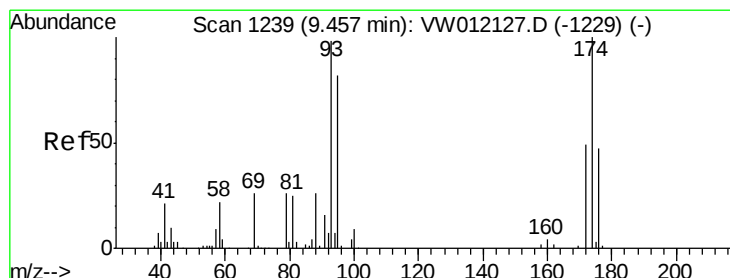
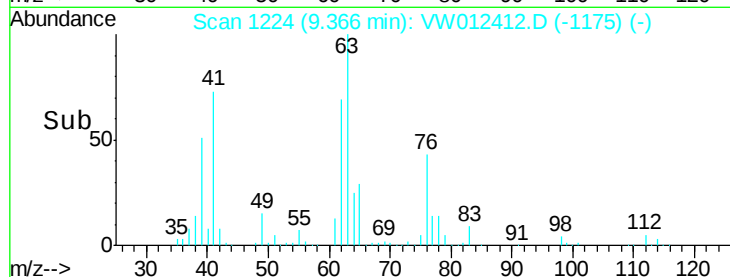


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



Time-->



#46

Dibromomethane

Concen: 57.734 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

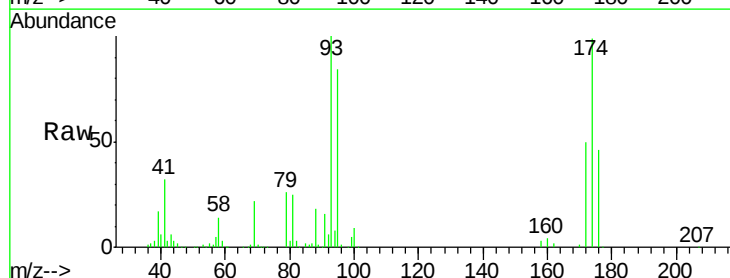
Tgt Ion: 93 Resp: 65116

Ion Ratio Lower Upper

93 100

95 81.7 67.2 100.8

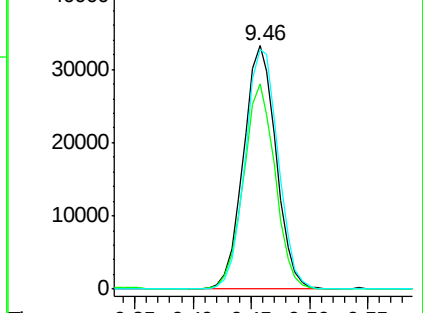
174 99.9 79.0 118.6



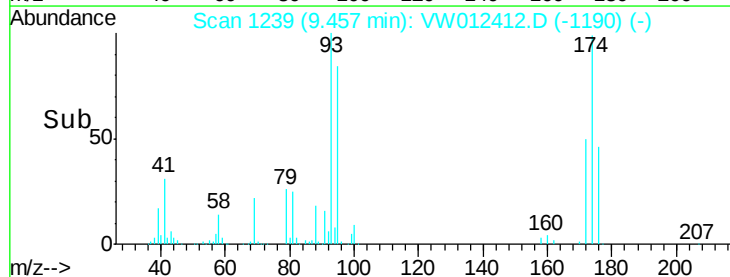
Abundance Ion 92.80 (92.50 to 93.50): VW

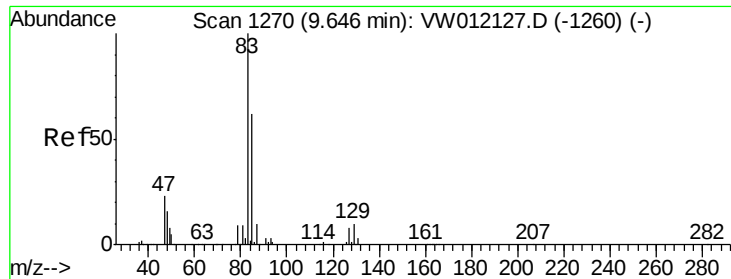
Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 58.028 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

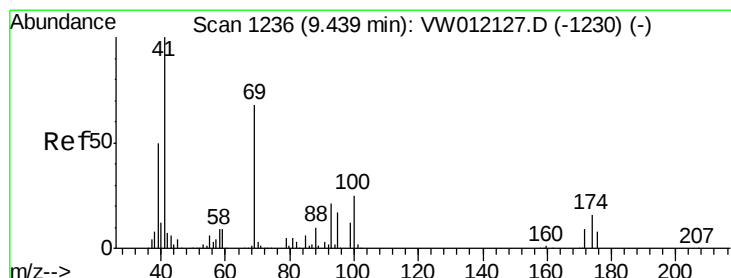
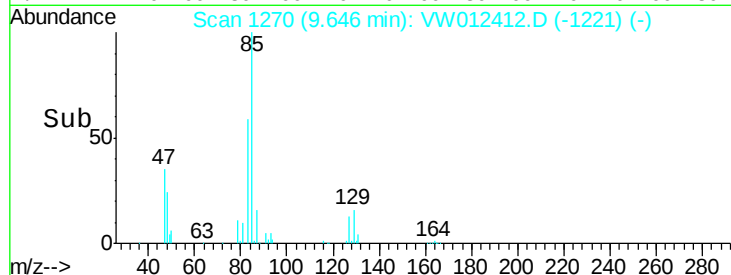
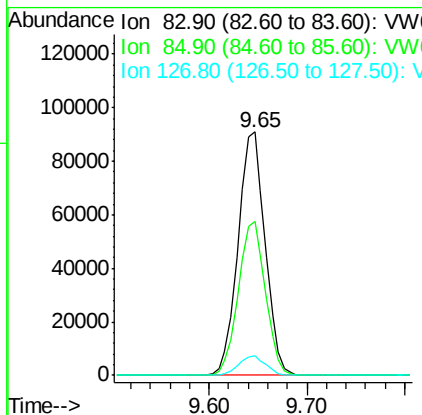
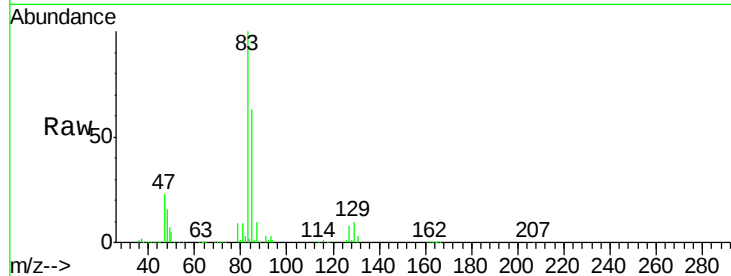
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	174183
Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.4	74.2
127	8.1	6.1	9.1

Manual Integrations
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MMDadoda
9/3/2019 2:42:01 AM



#48

Methyl methacrylate

Concen: 58.287 ug/l

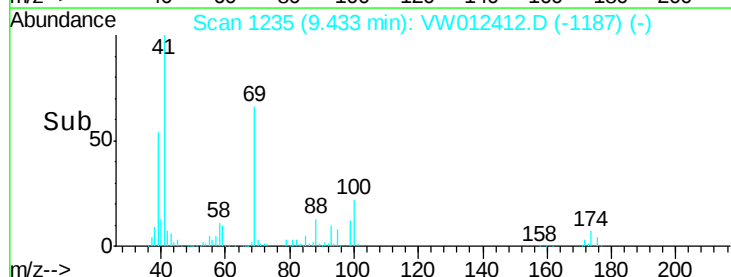
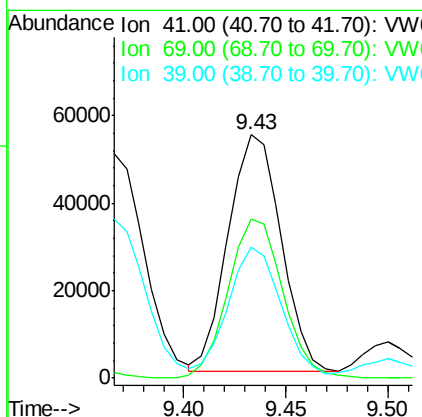
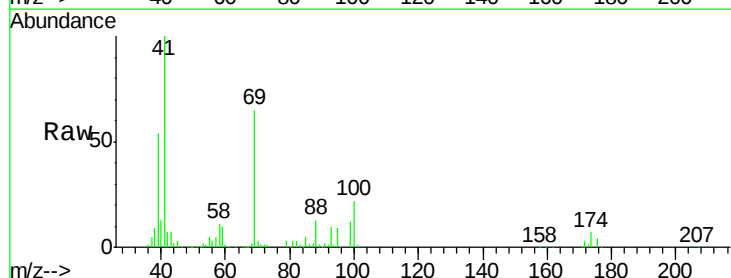
RT: 9.43 min Scan# 1235

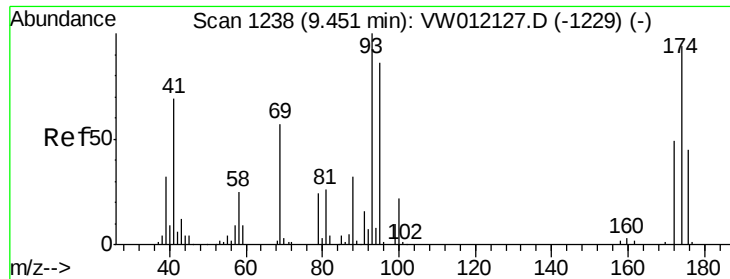
Delta R.T. -0.01 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion:	41	Resp:	97132
Ion	Ratio	Lower	Upper
41	100		
69	70.0	56.7	85.1
39	56.5	42.0	63.0





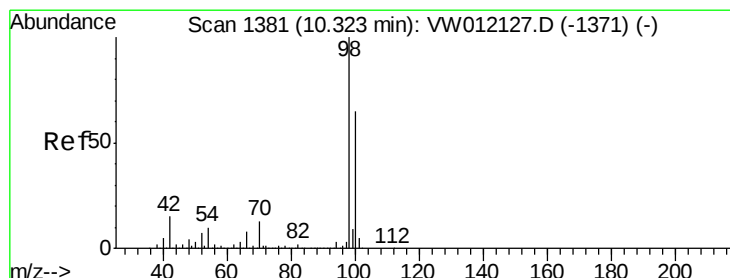
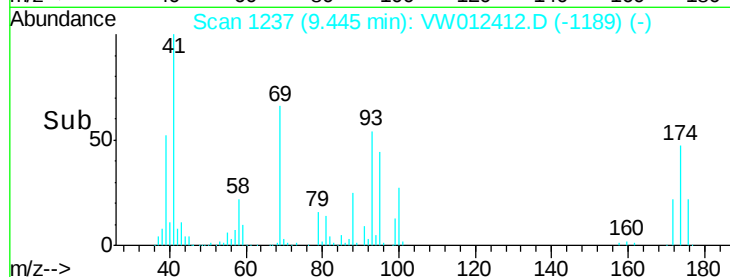
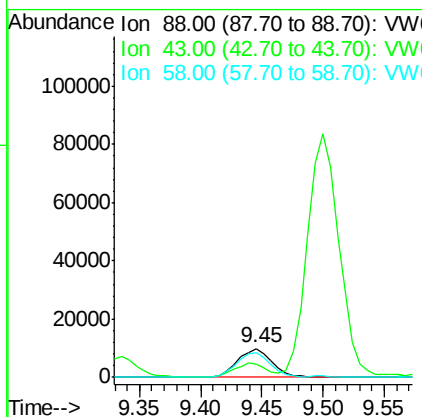
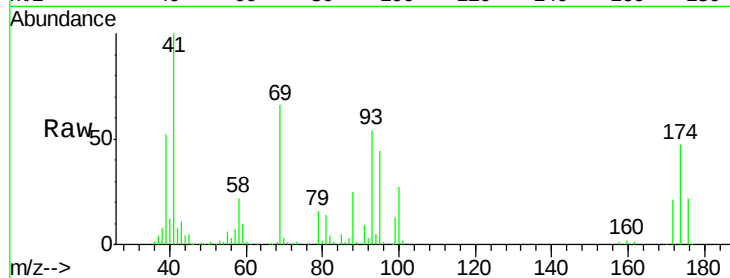
#49
1,4-Dioxane
Concen: 1122.128 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	19375
Ion	Ratio	Lower	Upper
88	100		
43	46.7	32.9	49.3
58	85.7	71.0	106.4

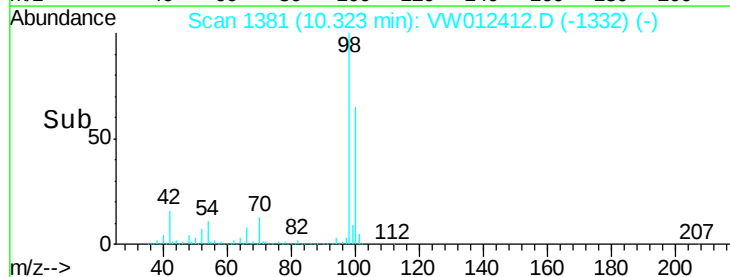
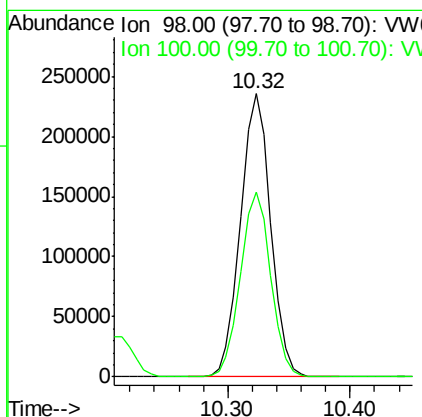
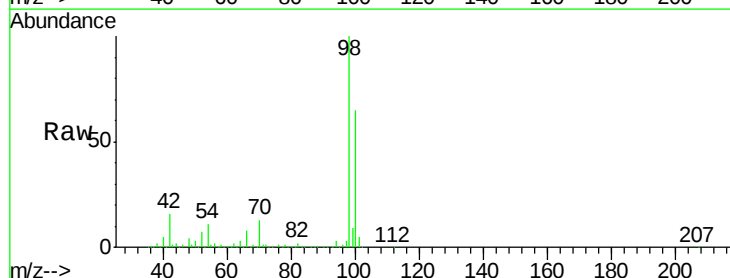
Manual Integrations
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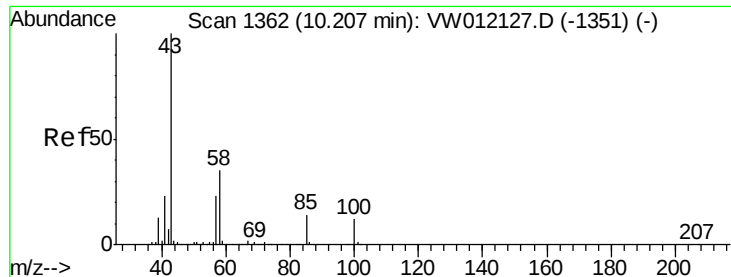
MMDadoda
9/3/2019 2:42:01 AM



#50
Toluene-d8
Concen: 49.940 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	98	Resp	403463
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 288.201 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 513252

Ion Ratio Lower Upper

43 100

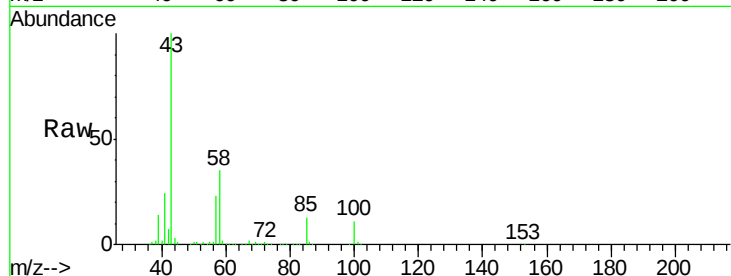
58 34.7 28.2 42.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

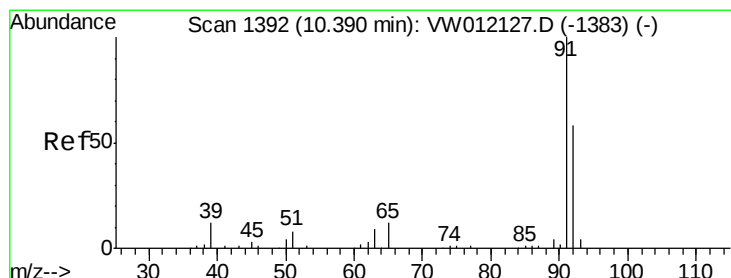
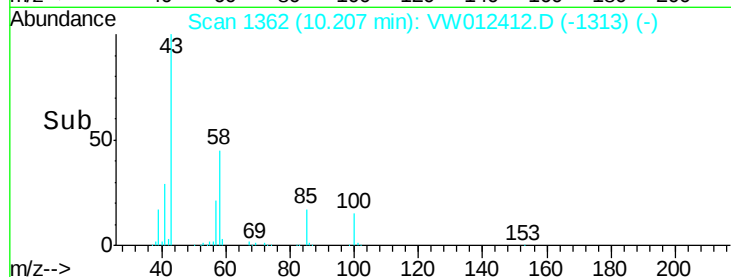
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.918 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012412.D

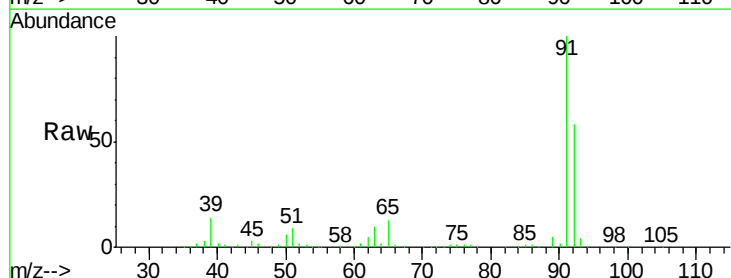
Acq: 31 Aug 2019 20:17

Tgt Ion: 92 Resp: 316407

Ion Ratio Lower Upper

92 100

91 171.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

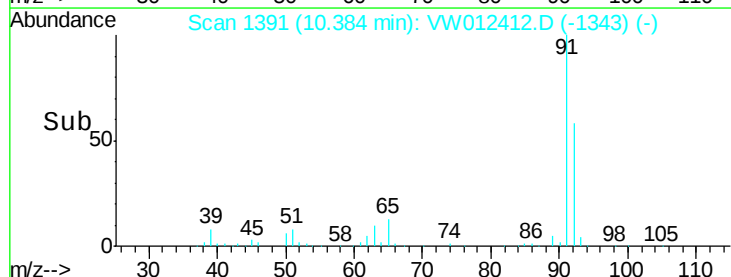
300000

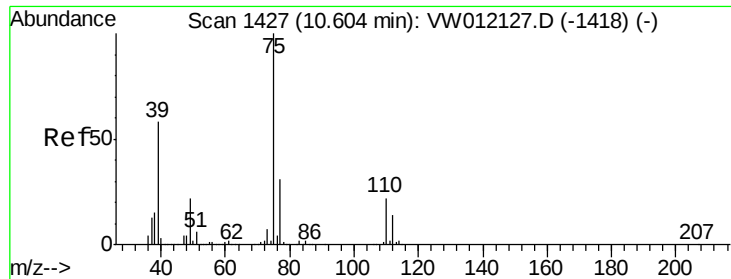
200000

100000

0

Time-->





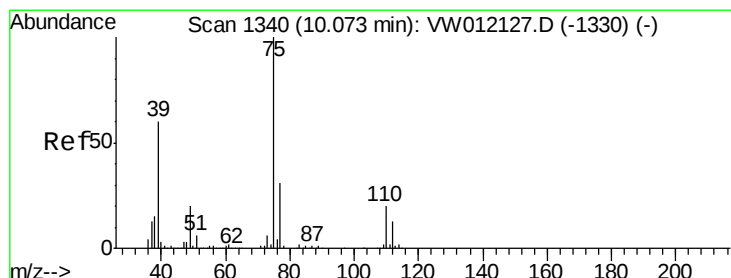
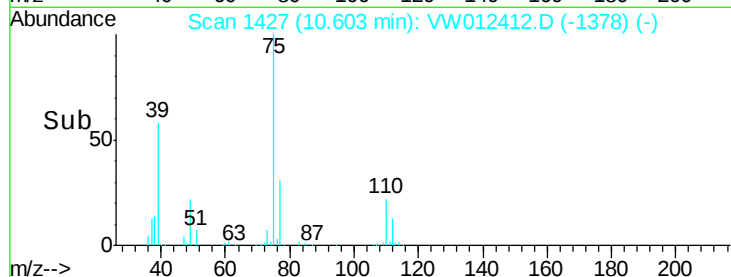
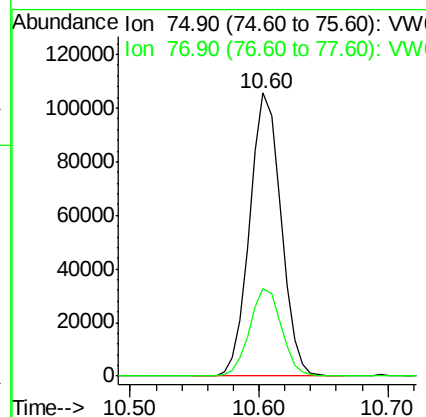
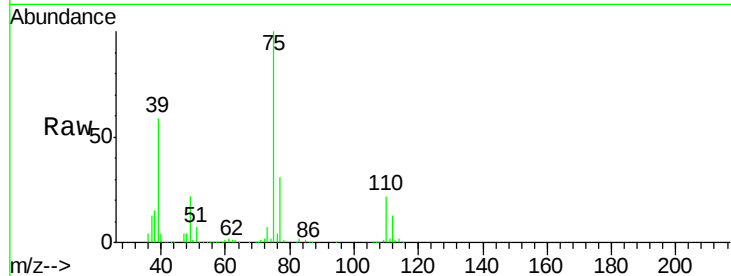
#53
 t-1,3-Dichloropropene
 Concen: 57.963 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 177228
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.4

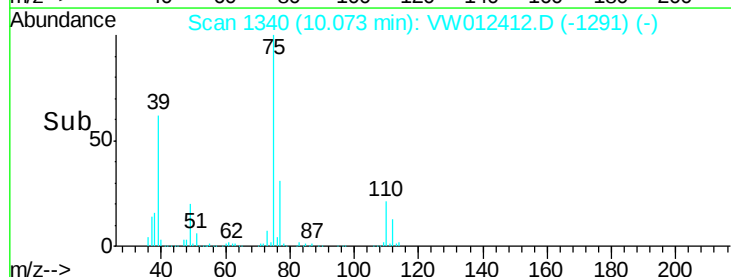
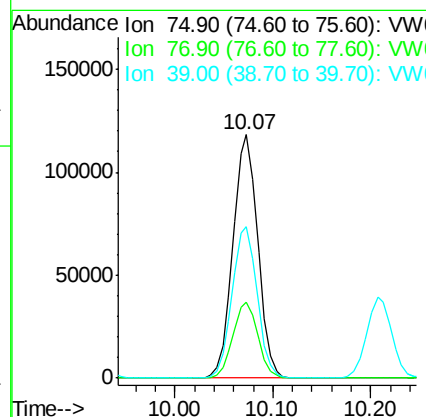
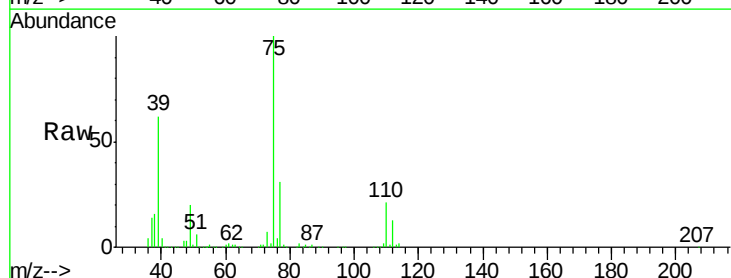
Manual Integrations
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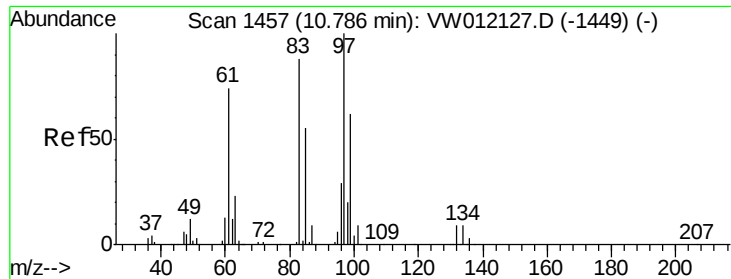
MMDadoda
 9/3/2019 2:42:01 AM



#54
 cis-1,3-Dichloropropene
 Concen: 56.298 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion: 75 Resp: 207846
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.1 37.7
 39 62.1 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 56.764 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

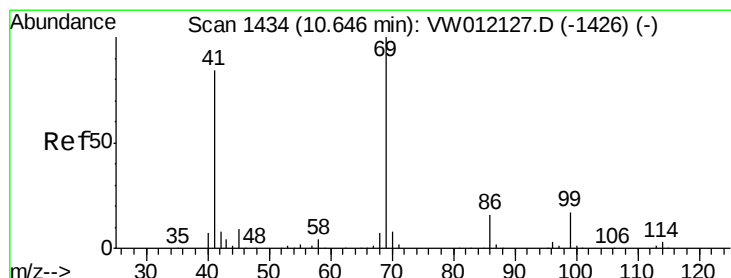
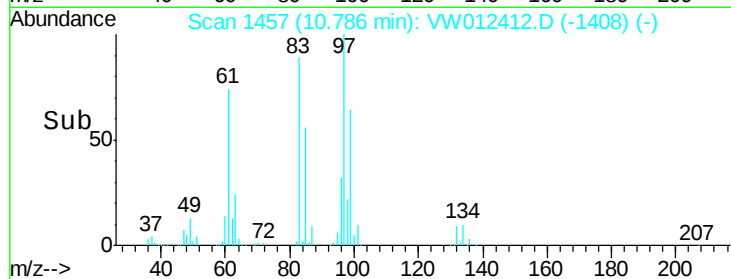
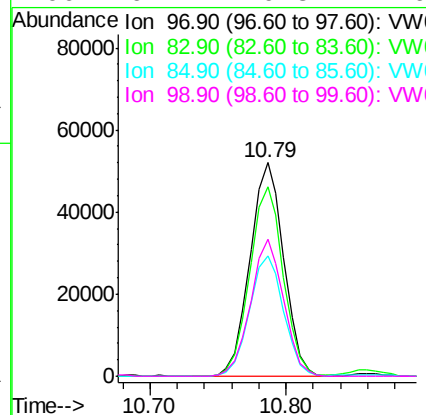
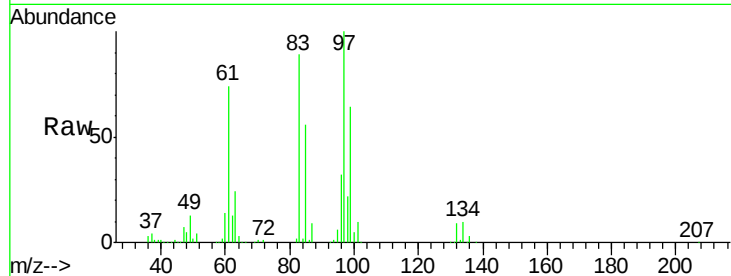
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	90583
Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.8	106.2
85	56.2	43.8	65.8
99	64.2	49.8	74.6

Manual Integrations
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9/3/2019 2:42:01 AM



#56

Ethyl methacrylate

Concen: 58.458 ug/l

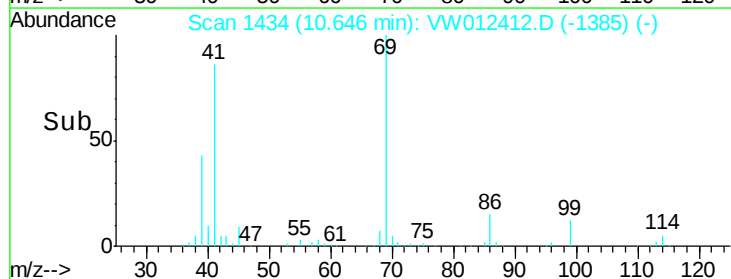
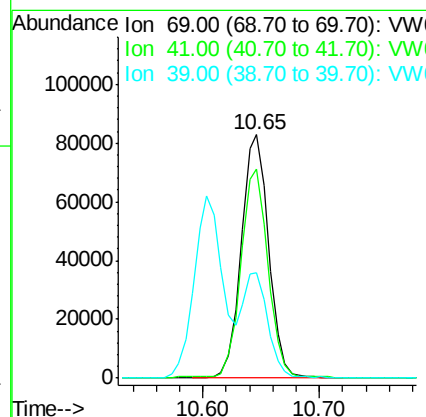
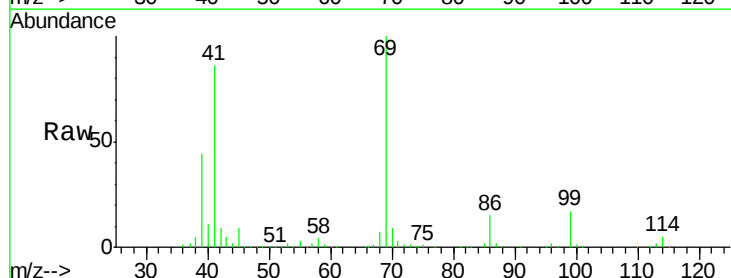
RT: 10.65 min Scan# 1434

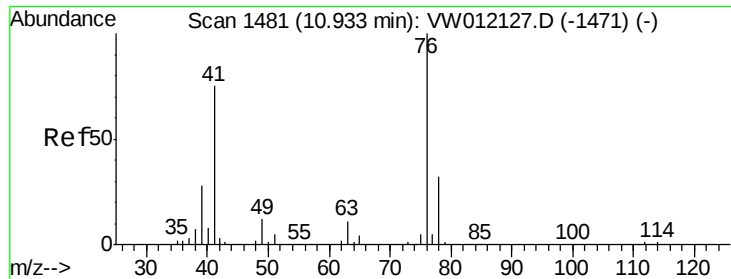
Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion:	69	Resp:	135769
Ion	Ratio	Lower	Upper
69	100		
41	84.7	66.5	99.7
39	38.9	31.0	46.4





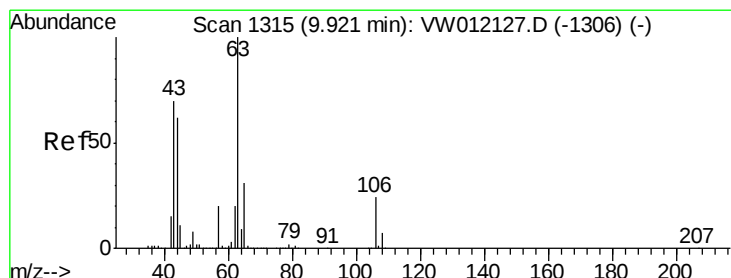
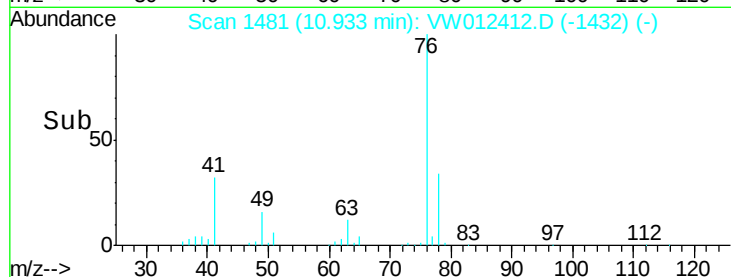
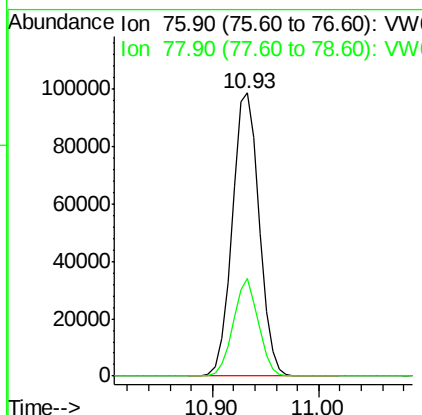
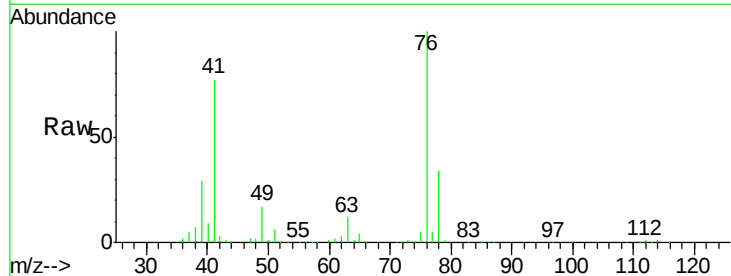
#57
 1,3-Dichloropropane
 Concen: 57.947 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

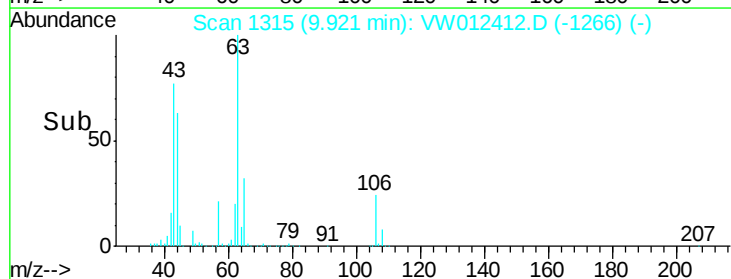
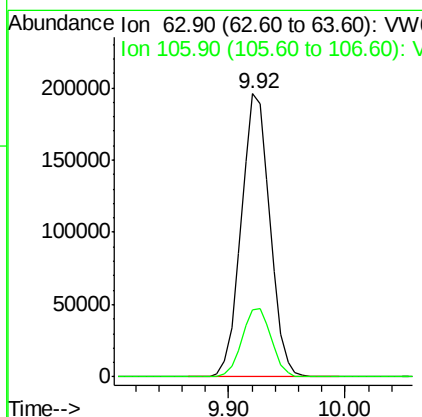
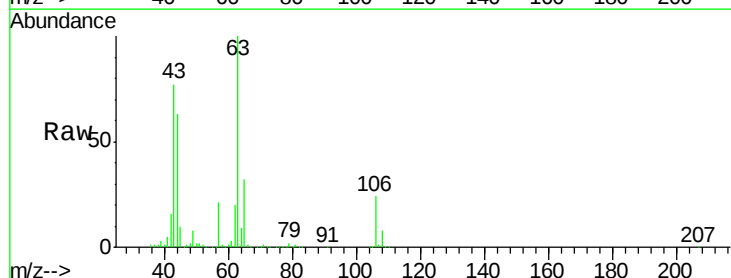
Manual Integrations
 APPROVED

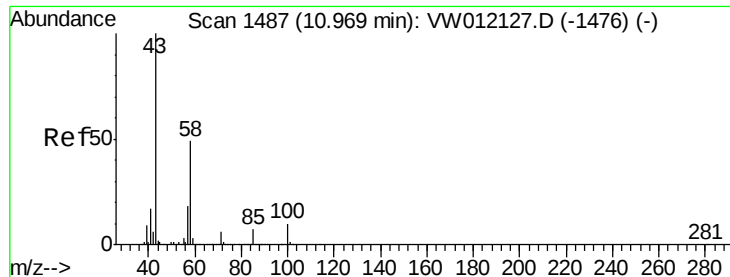
MMDadoda
 9/3/2019 2:42:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 282.617 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.8	29.8





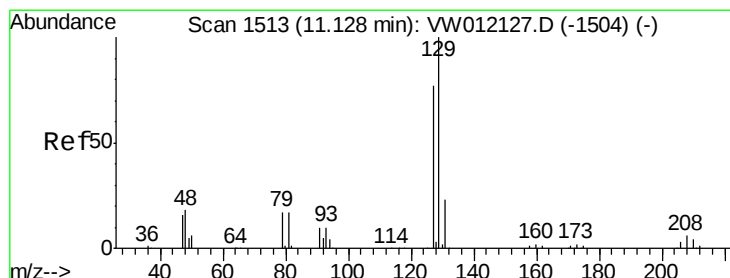
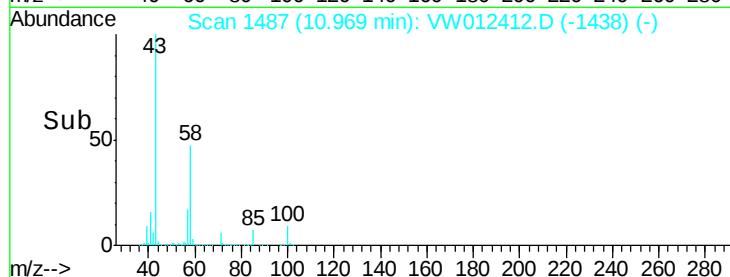
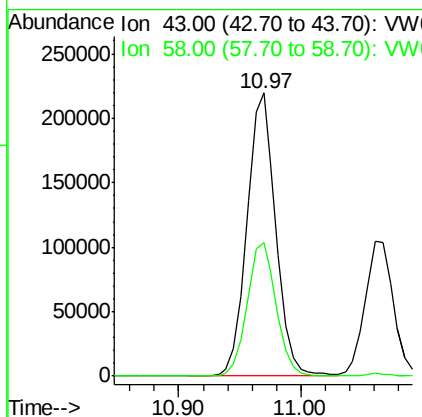
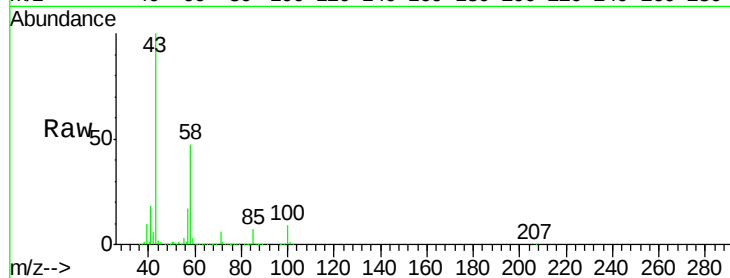
#59
2-Hexanone
Concen: 284.532 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.7	24.3	72.9

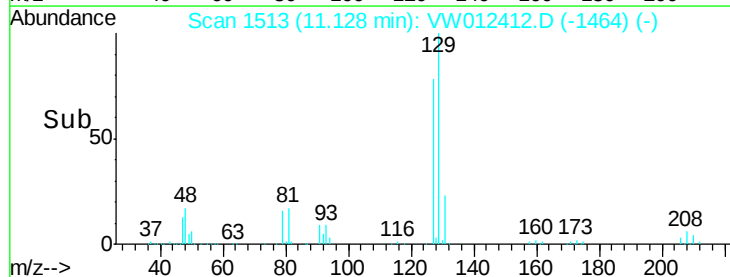
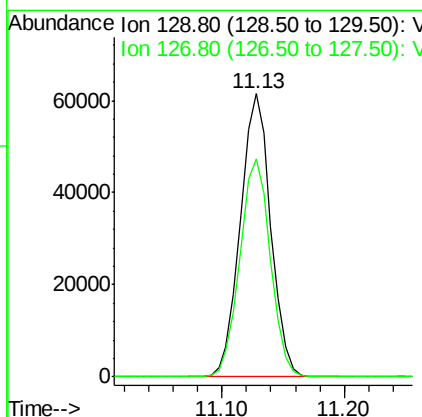
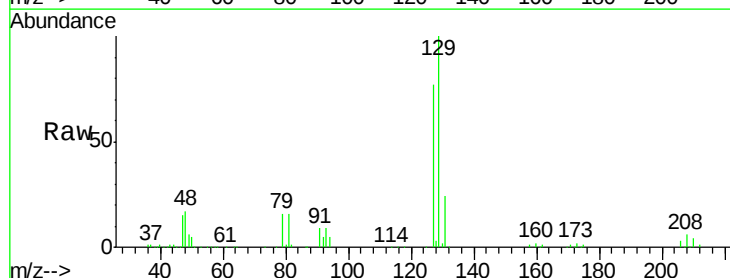
Manual Integrations
APPROVED

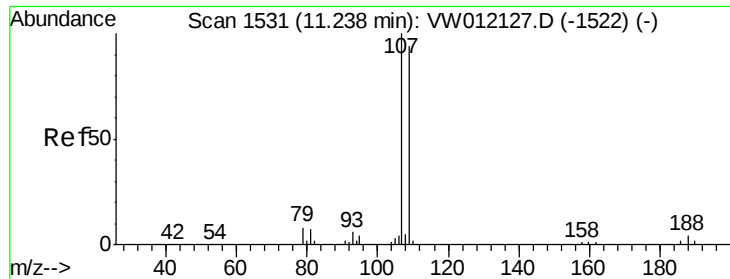
MMDadoda
9/3/2019 2:42:01 AM



#60
Dibromochloromethane
Concen: 59.402 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8





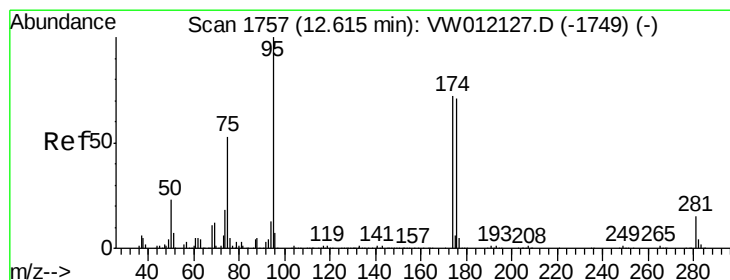
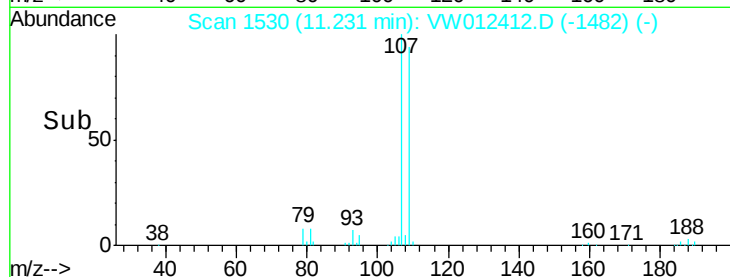
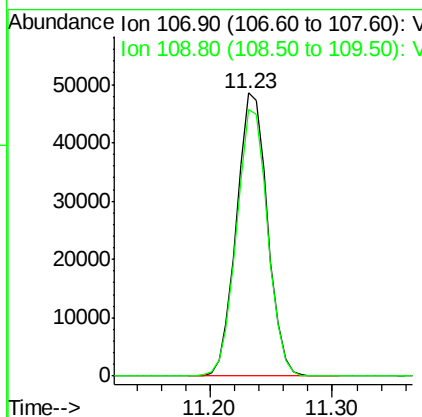
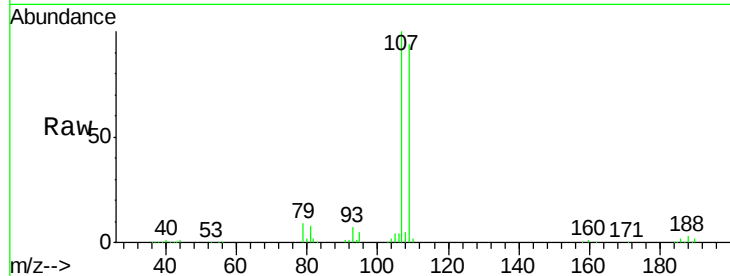
#61
 1,2-Dibromoethane
 Concen: 57.335 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

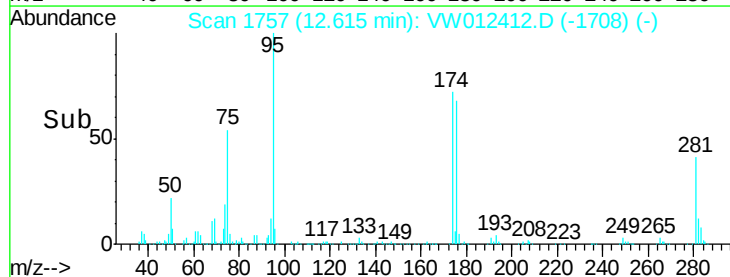
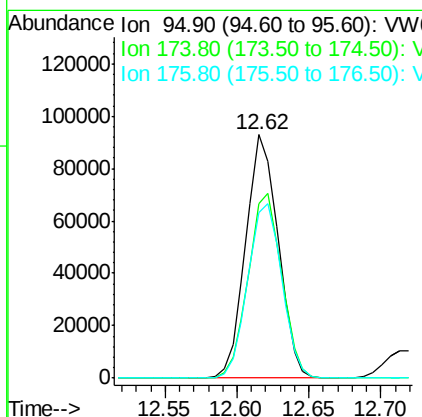
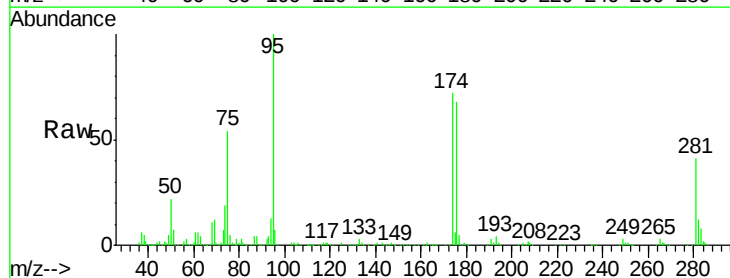
Manual Integrations
 APPROVED

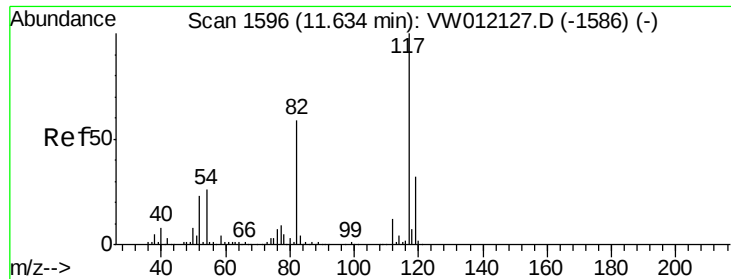
MMDadoda
 9/3/2019 2:42:01 AM



#62
 4-Bromofluorobenzene
 Concen: 51.070 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	150.8
176	74.8	0.0	148.6





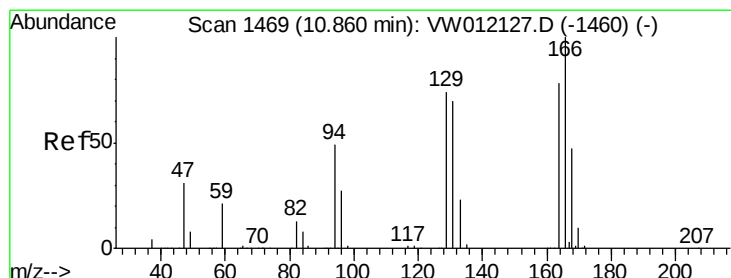
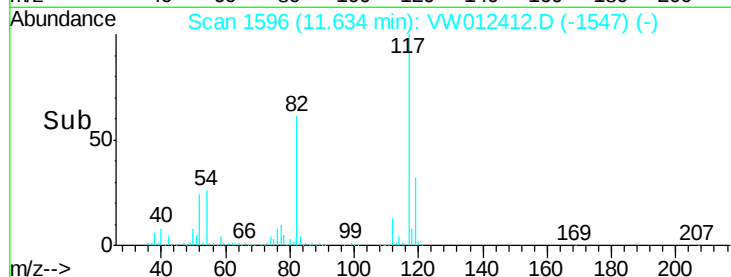
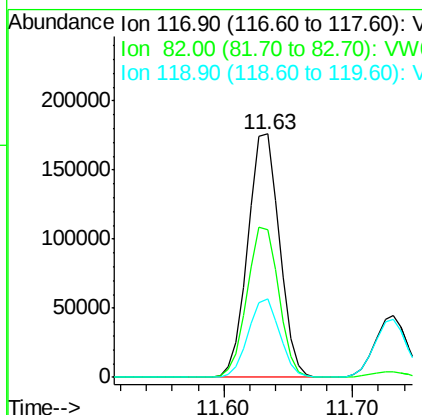
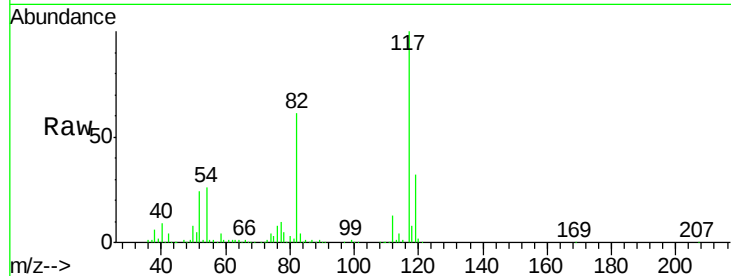
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299112		
82	60.7	47.4	71.2	
119	32.0	25.4	38.2	

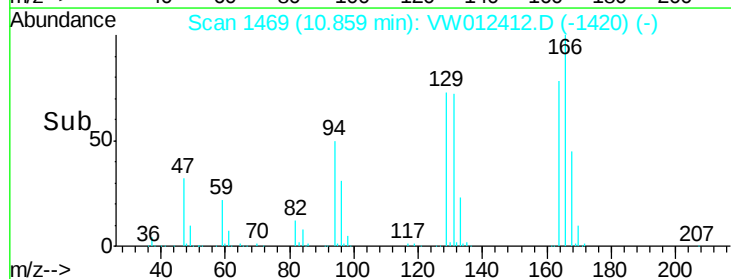
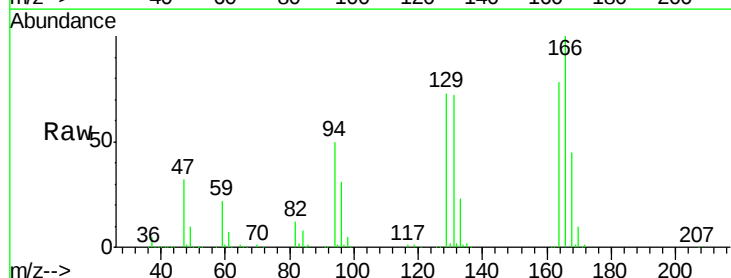
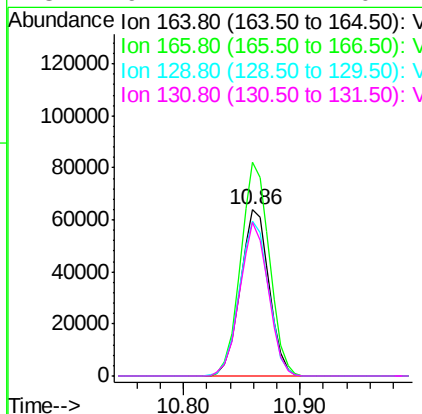
Manual Integrations
APPROVED

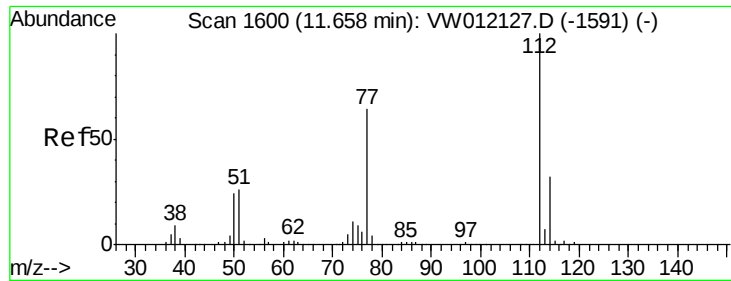
MMDadoda
9/3/2019 2:42:01 AM



#64
Tetrachloroethene
Concen: 56.651 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109859		
166	128.5	102.4	153.6	
129	93.5	75.8	113.6	
131	92.7	71.4	107.2	





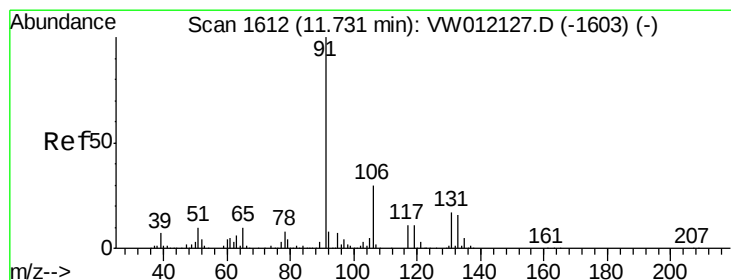
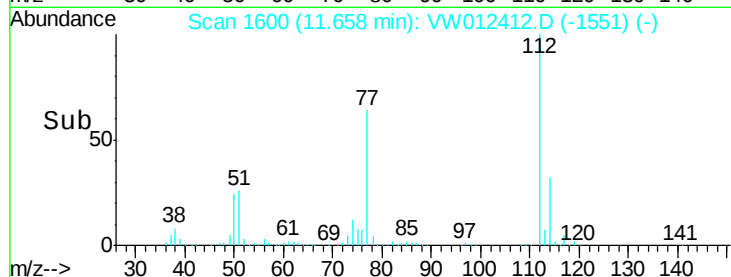
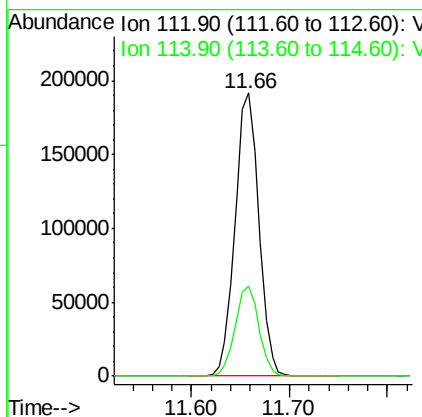
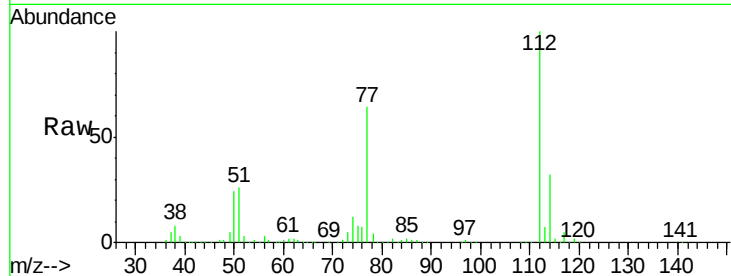
#65
Chlorobenzene
Concen: 55.009 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 323990
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

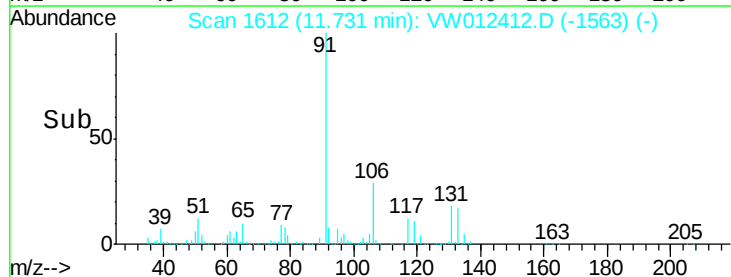
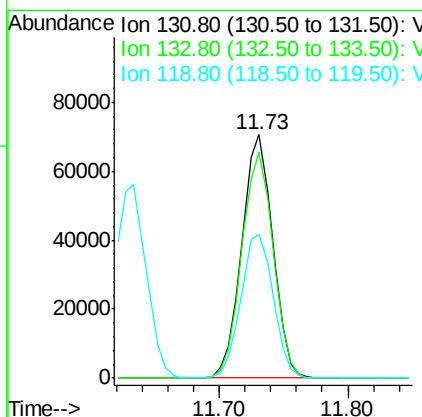
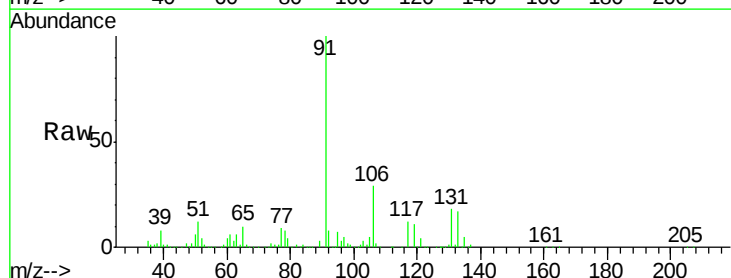
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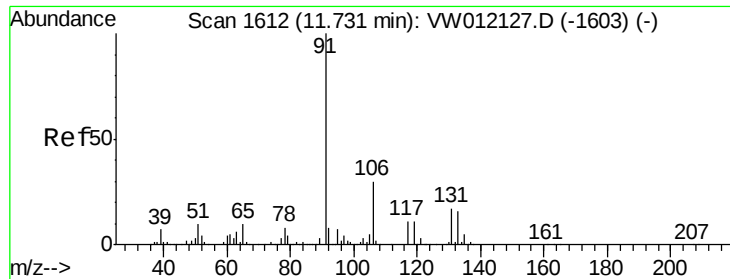
MMDadoda
9/3/2019 2:42:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.995 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion:131 Resp: 117108
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 61.9 31.8 95.3





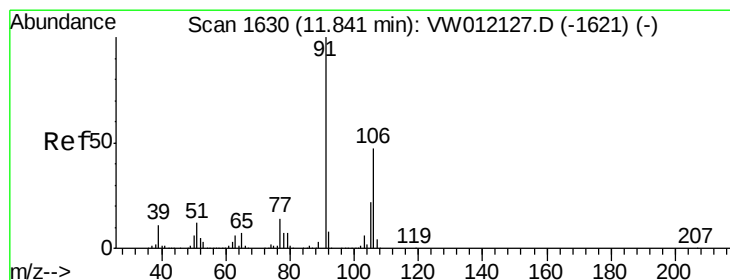
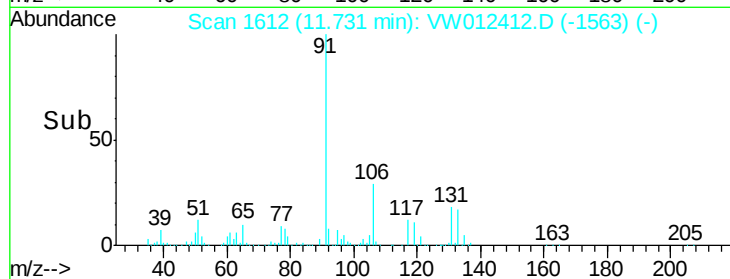
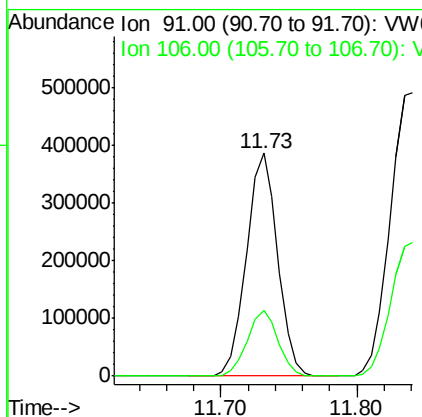
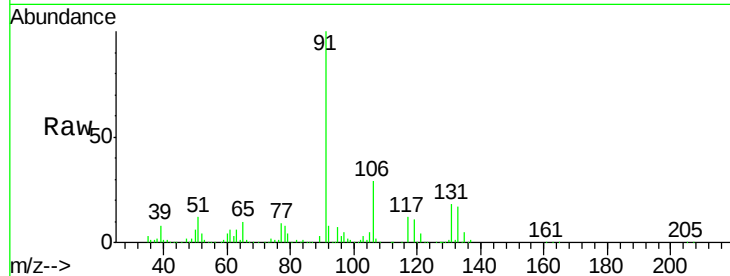
#67
Ethyl Benzene
Concen: 54.724 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 620880
Ion Ratio Lower Upper
91 100
106 29.2 24.3 36.5

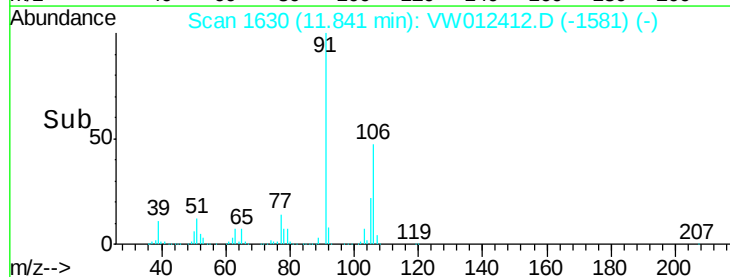
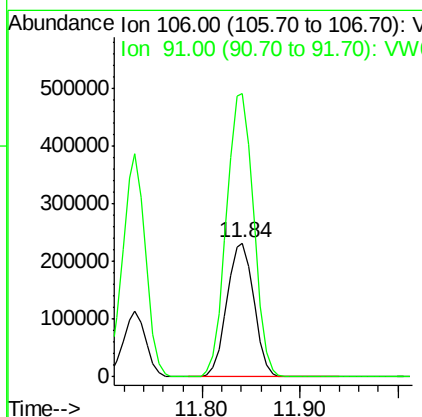
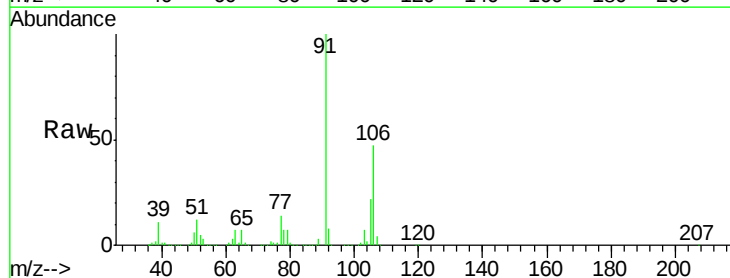
Manual Integrations
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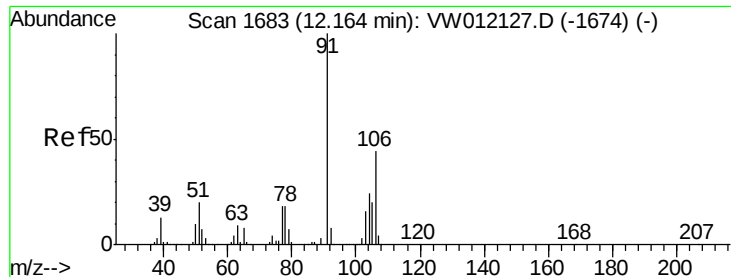
MMDadoda
9/3/2019 2:42:01 AM



#68
m/p-Xylenes
Concen: 108.891 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion: 106 Resp: 445020
Ion Ratio Lower Upper
106 100
91 213.0 169.5 254.3





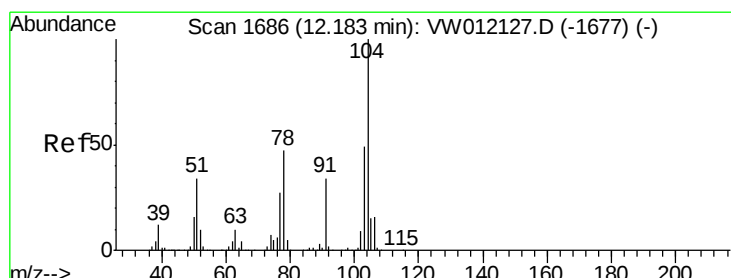
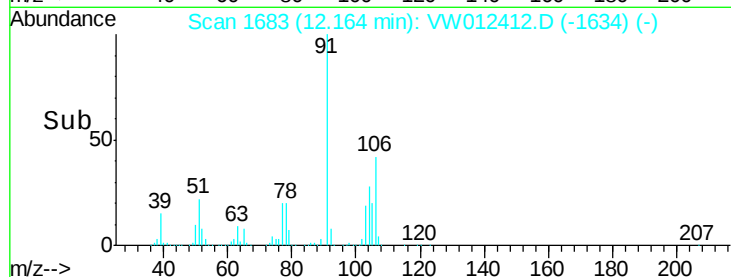
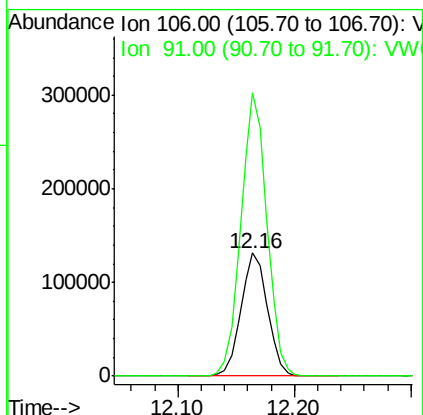
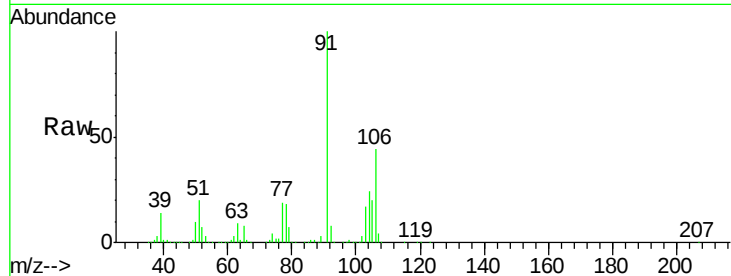
#69
o-Xylene
Concen: 55.216 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		208854		
91	225.3	111.6	334.6		

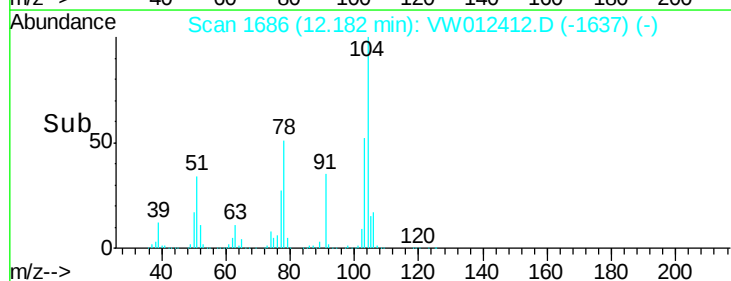
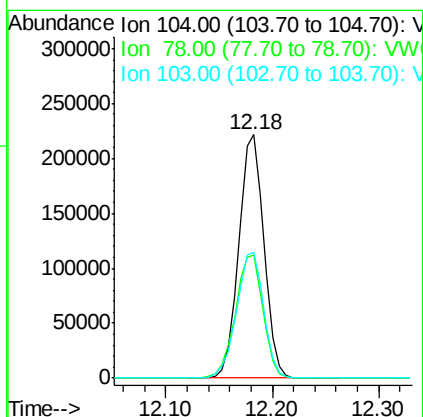
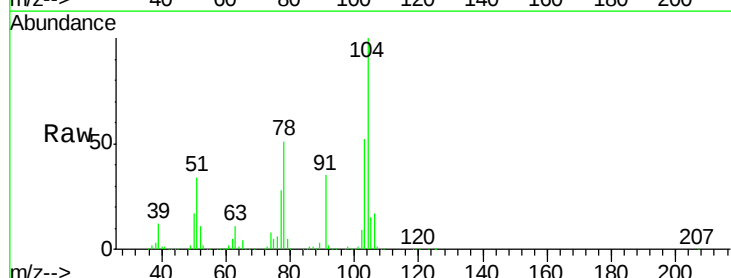
Manual Integrations
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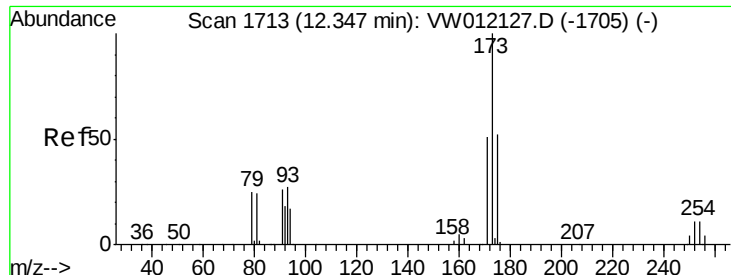
MMDadoda
9/3/2019 2:42:01 AM



#70
Styrene
Concen: 56.046 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		366938		
78	55.7	43.1	64.7		
103	55.7	43.5	65.3		





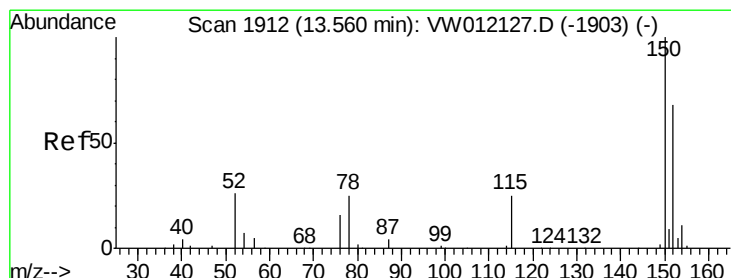
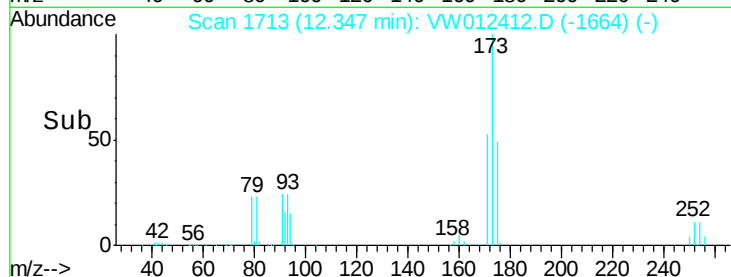
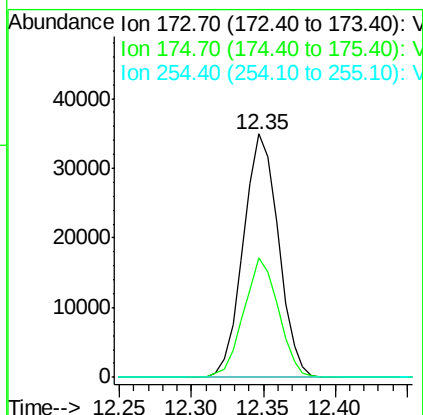
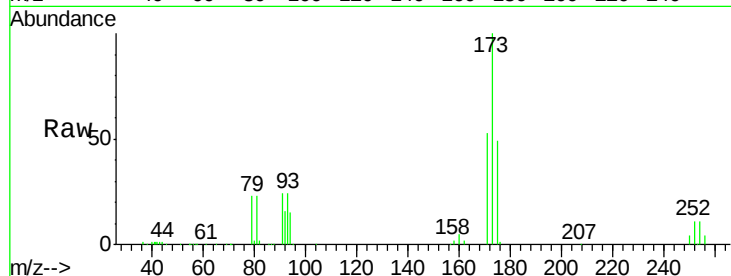
#71
Bromoform
Concen: 57.659 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.0	0.2	0.2#

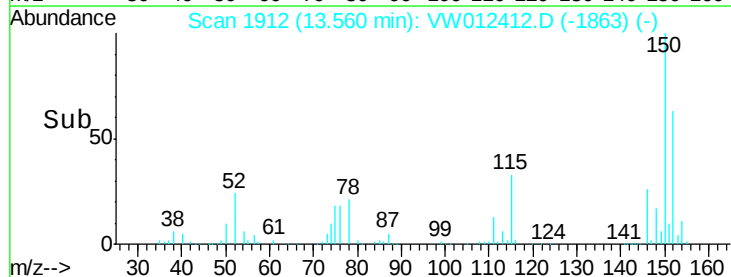
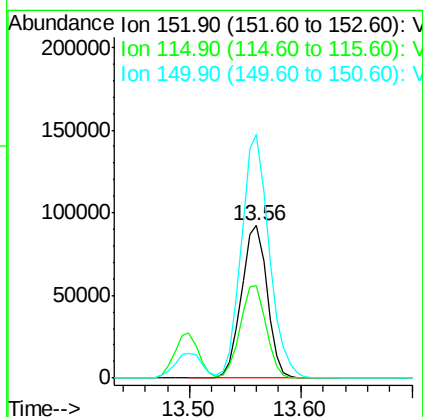
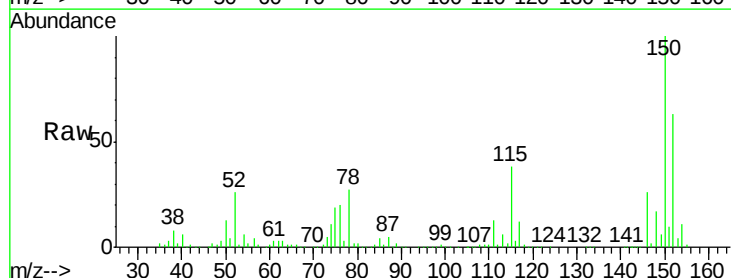
Manual Integrations
APPROVED

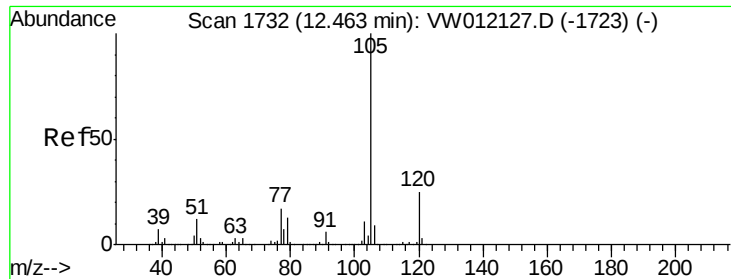
MMDadoda
9/3/2019 2:42:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	172.8	0.0	345.8





#73

Isopropylbenzene

Concen: 52.318 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 580020

Ion Ratio Lower Upper

105 100

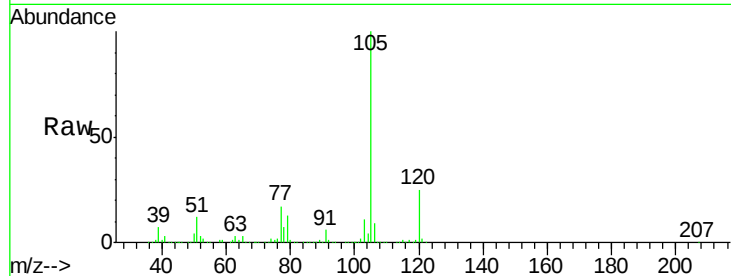
120 25.5 12.5 37.5

Manual Integrations

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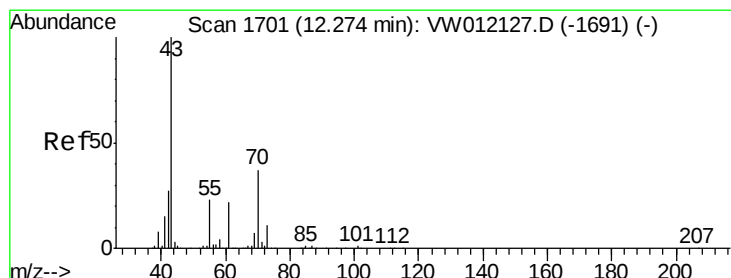
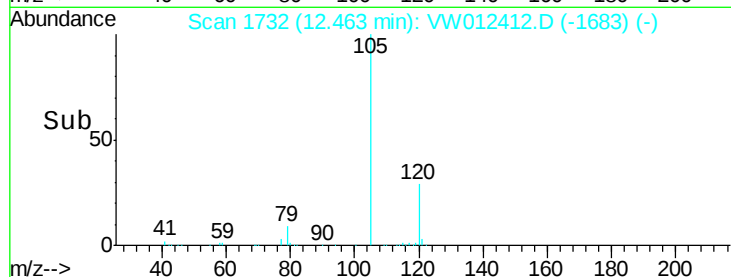
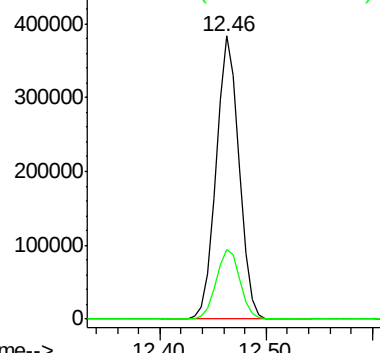
MMDadoda

9/3/2019 2:42:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.544 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion: 43 Resp: 186046

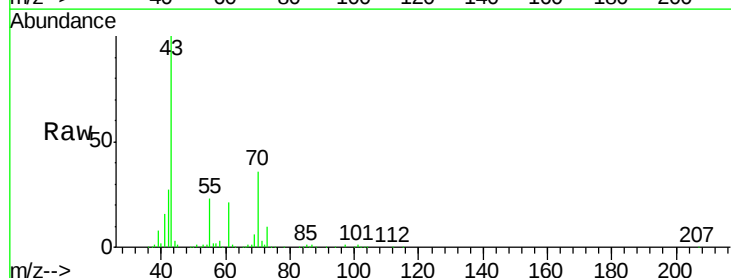
Ion Ratio Lower Upper

43 100

70 35.6 28.6 43.0

55 23.4 17.8 26.6

61 20.8 17.3 25.9

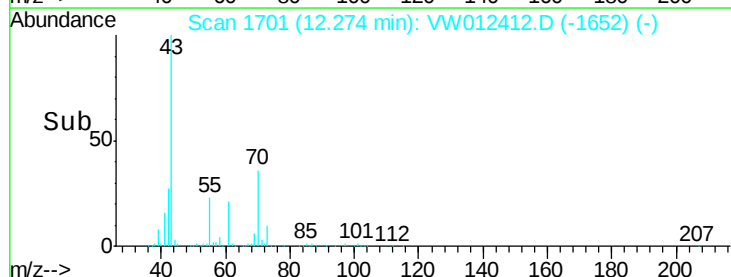
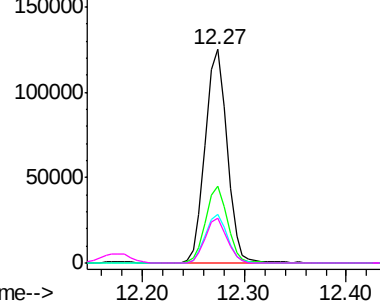


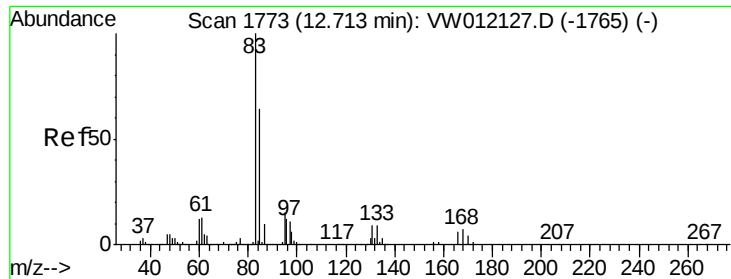
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.694 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Instrument :

MSVOA_W

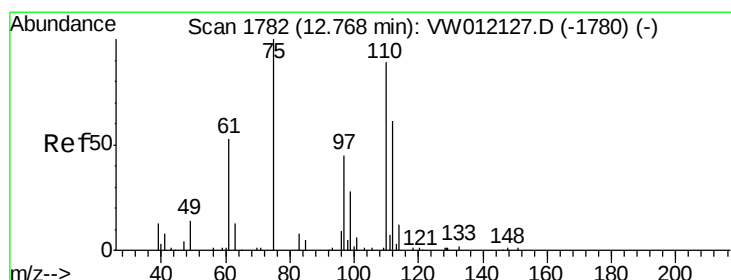
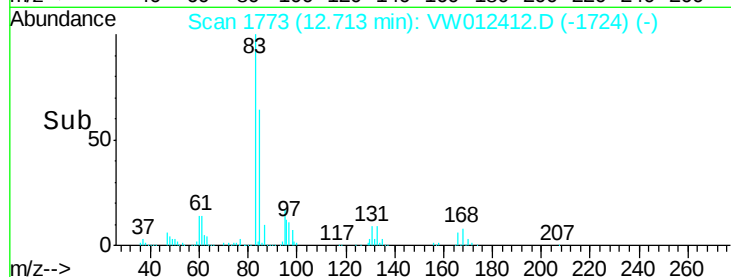
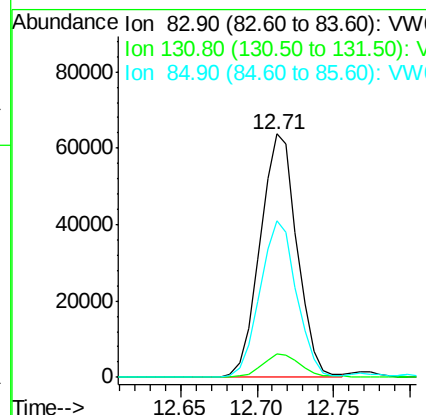
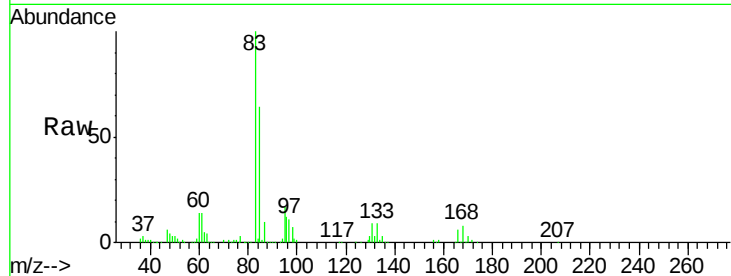
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	107098
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	63.9	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 52.965 ug/l m

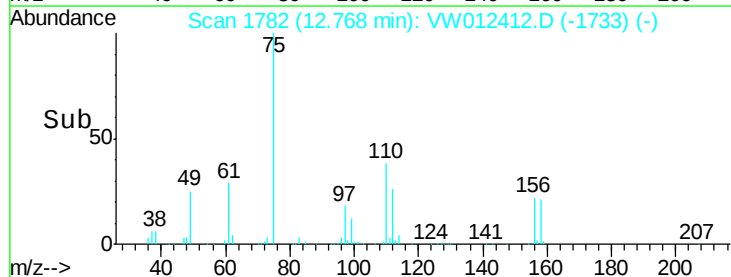
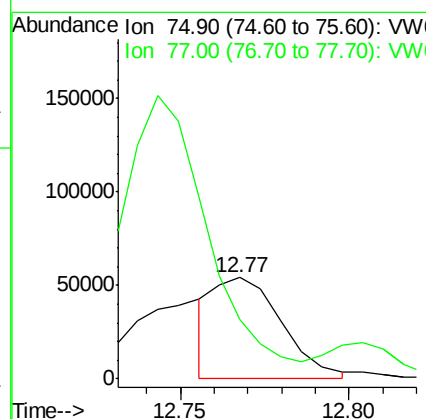
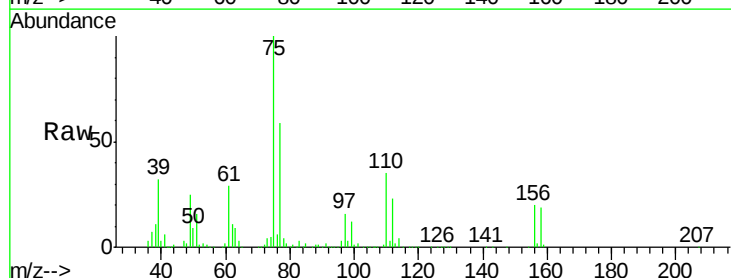
RT: 12.77 min Scan# 1782

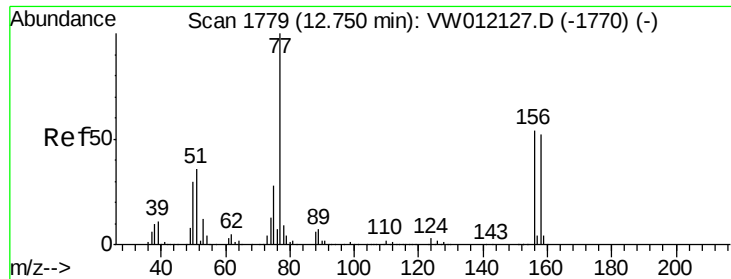
Delta R.T. -0.00 min

Lab File: VW012412.D

Acq: 31 Aug 2019 20:17

Tgt Ion:	75	Resp:	76321
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





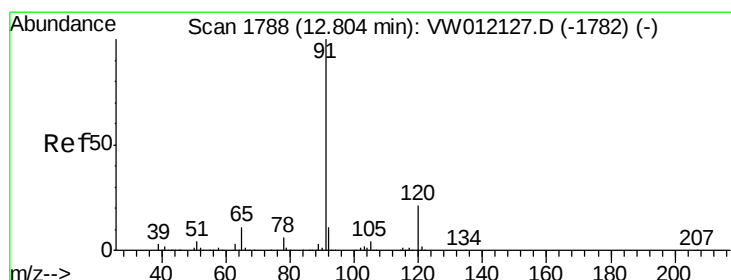
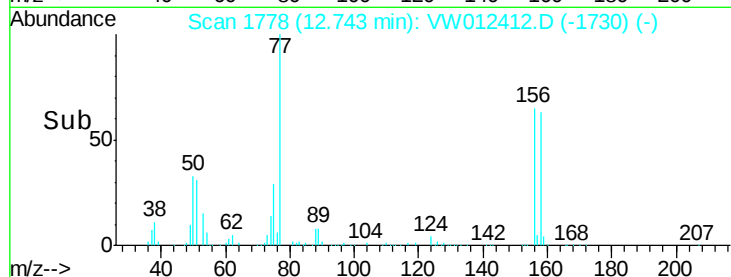
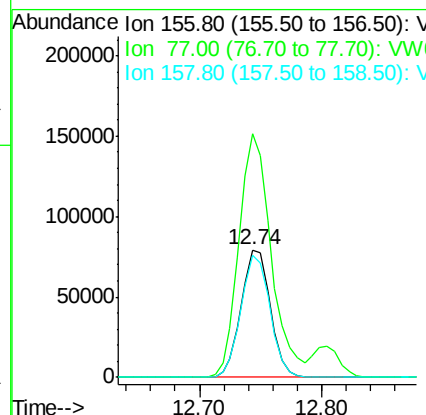
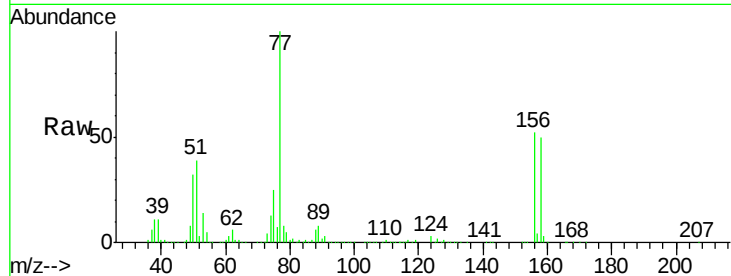
#77
Bromobenzene
Concen: 54.716 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.4	107.3	321.8
158	95.4	49.0	147.0

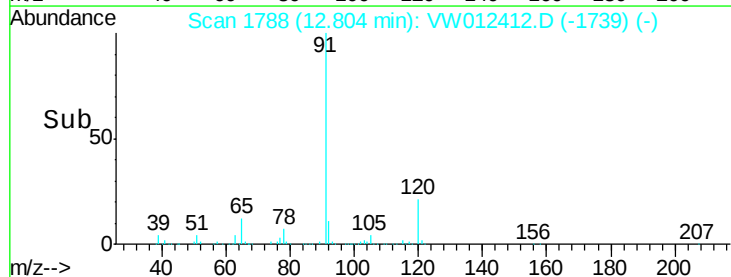
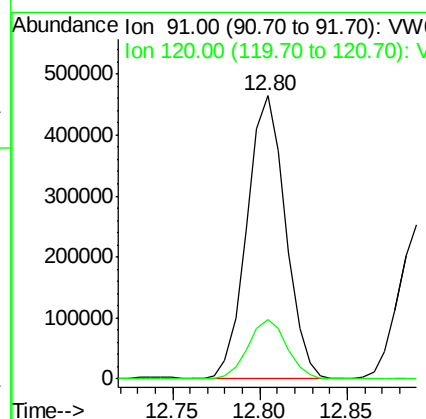
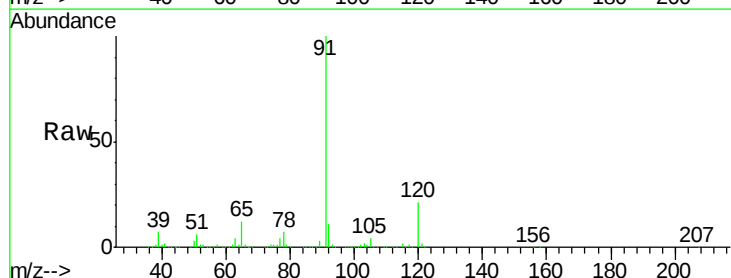
Manual Integrations
APPROVED

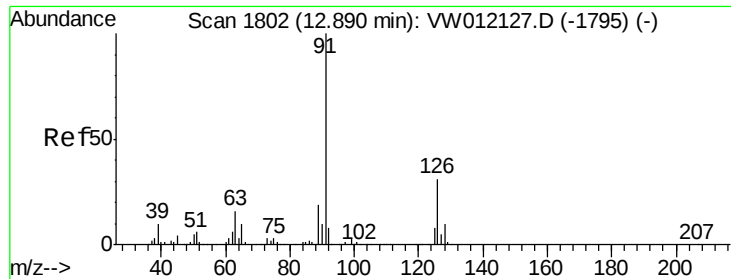
MMDadoda
9/3/2019 2:42:01 AM



#78
n-propylbenzene
Concen: 52.587 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.5	31.6





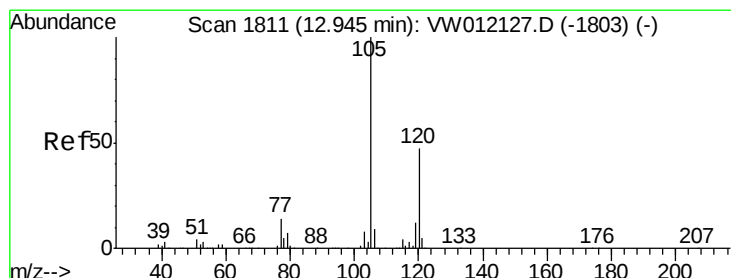
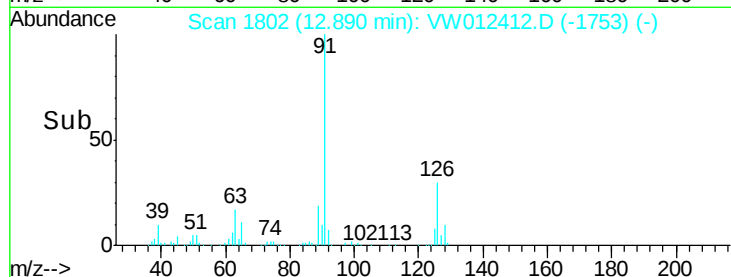
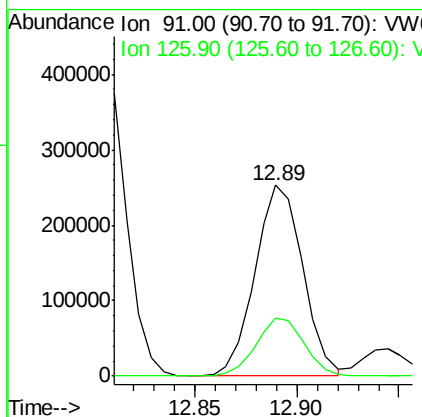
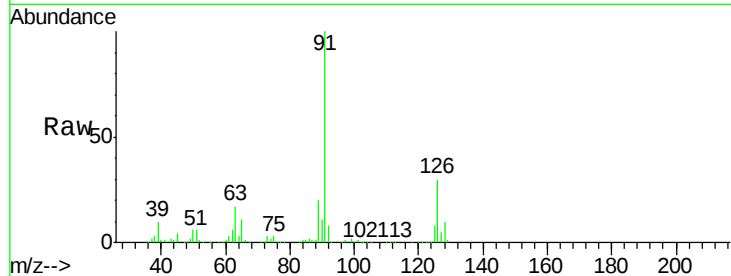
#79
 2-Chlorotoluene
 Concen: 53.796 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 413371
 Ion Ratio Lower Upper
 91 100
 126 30.7 15.7 47.0

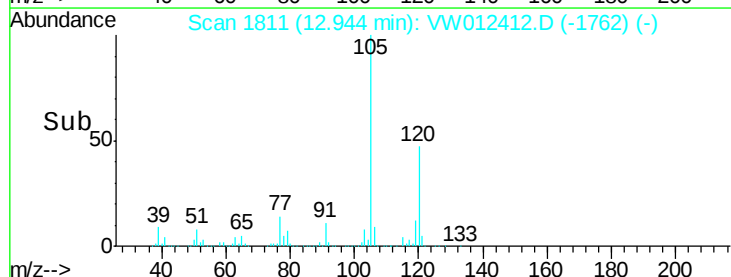
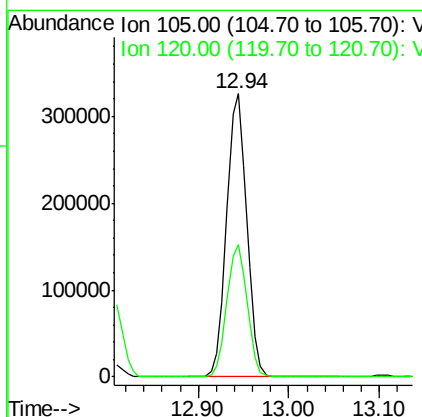
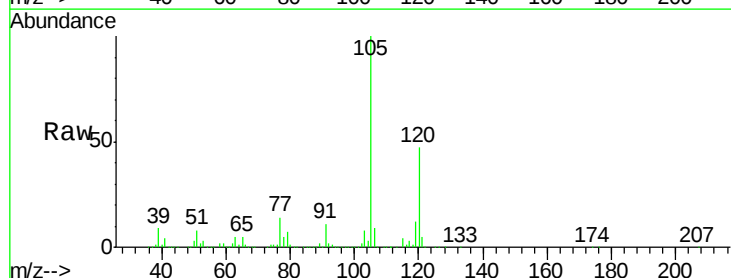
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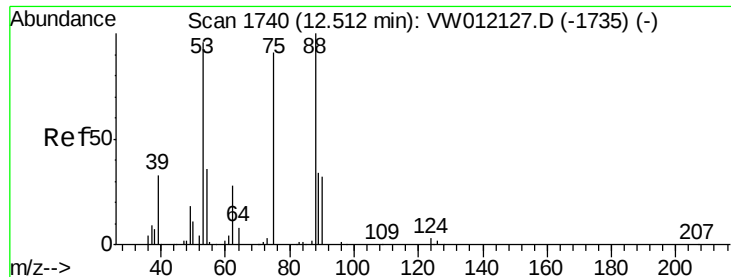
MMDadoda
 9/3/2019 2:42:01 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.266 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion: 105 Resp: 502705
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.0 72.0





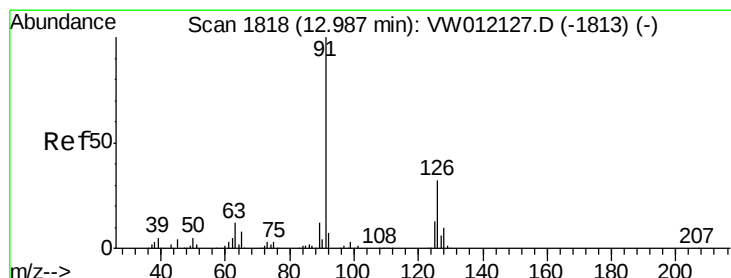
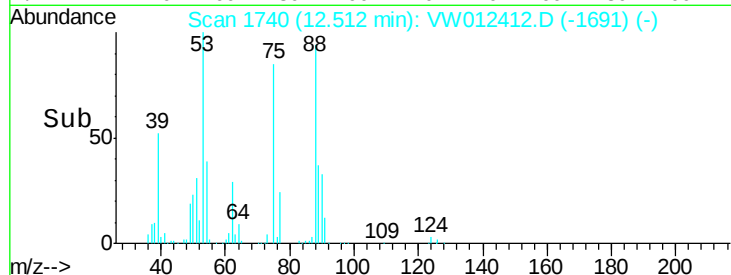
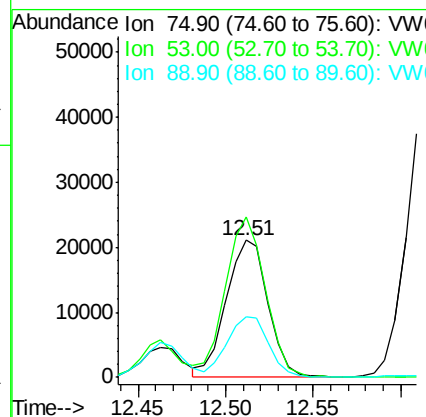
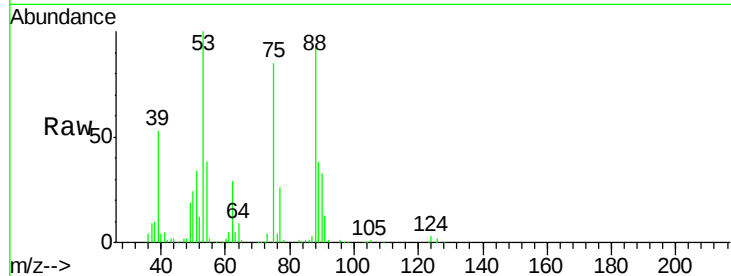
#81
trans-1,4-Dichloro-2-butene
Concen: 52.272 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.4	89.4	134.0
89	44.7	34.5	51.7

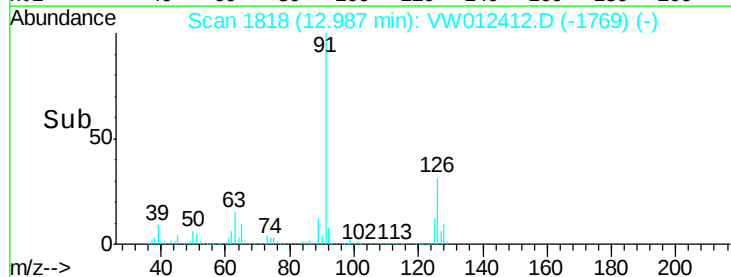
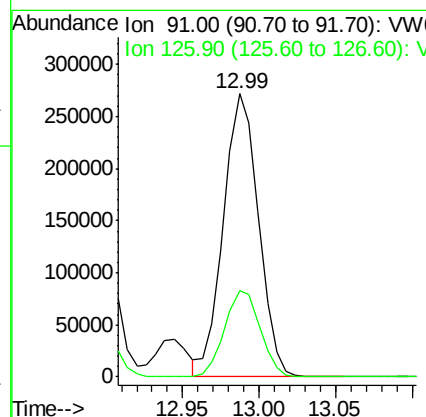
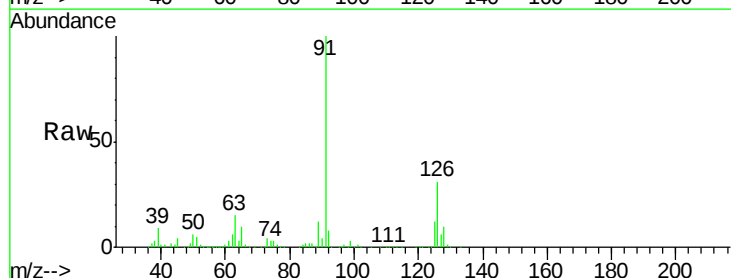
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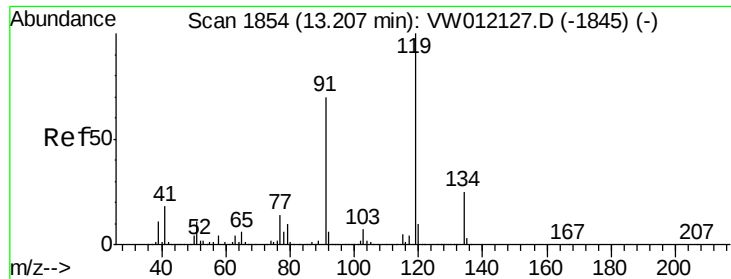
MMDadoda
9/3/2019 2:42:01 AM



#82
4-Chlorotoluene
Concen: 53.862 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





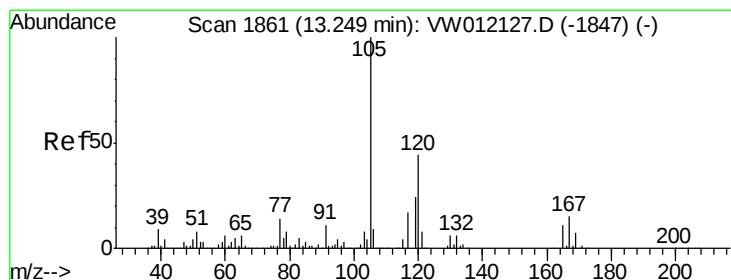
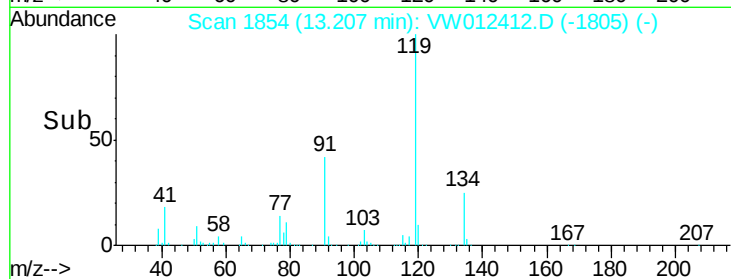
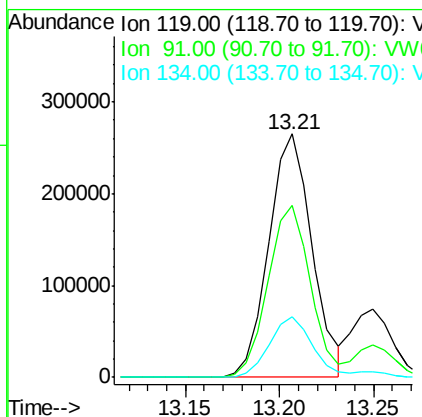
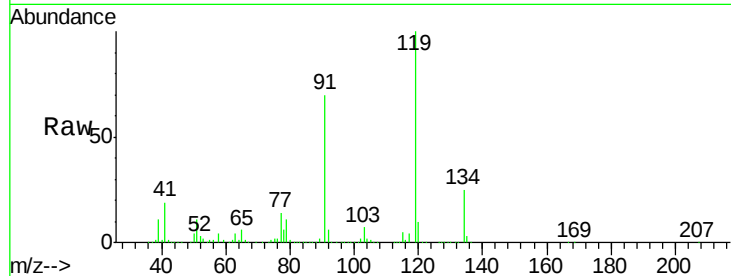
#83
tert-Butylbenzene
Concen: 53.892 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	34.8	104.3
134	24.6	13.3	39.8

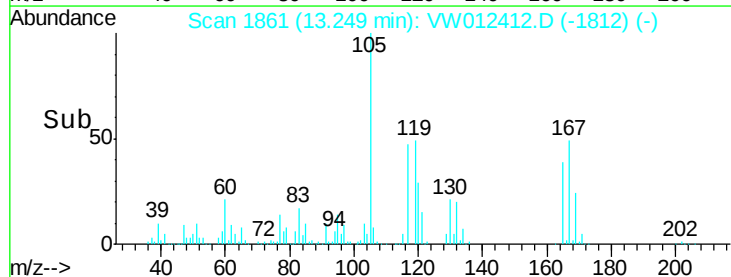
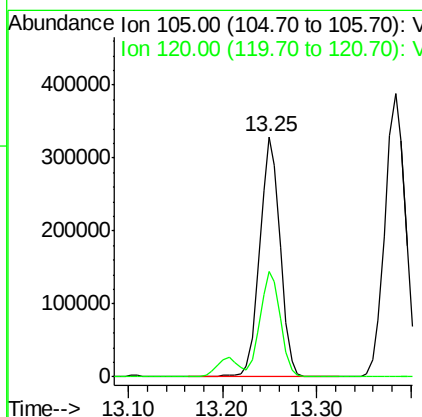
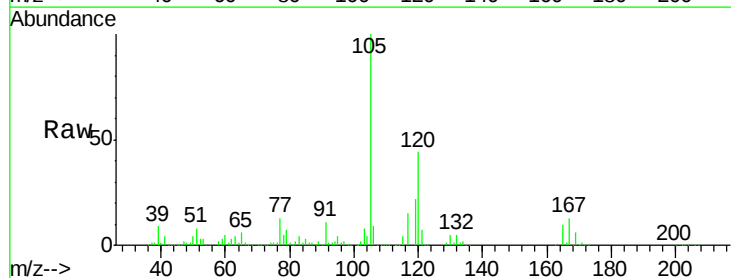
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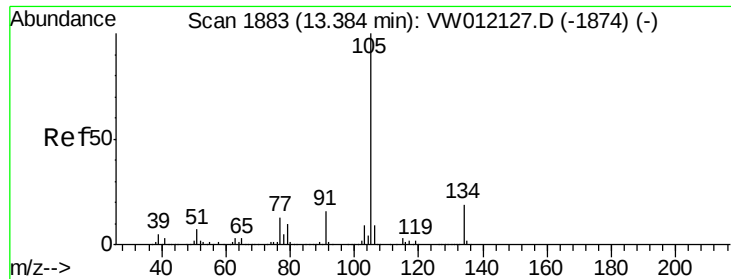
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.196 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.9	65.7





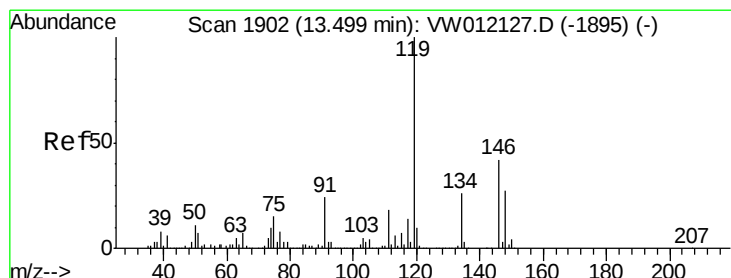
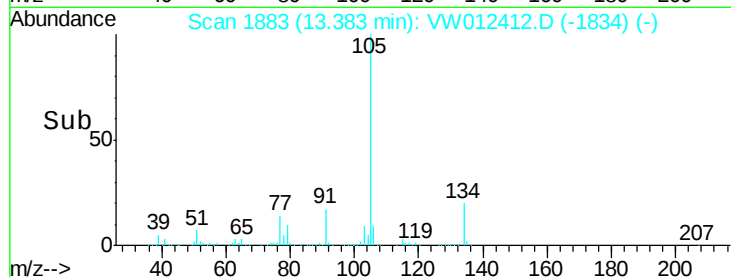
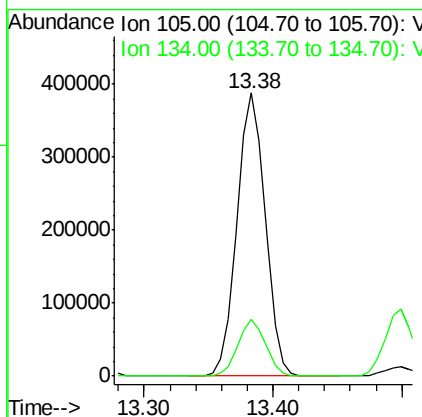
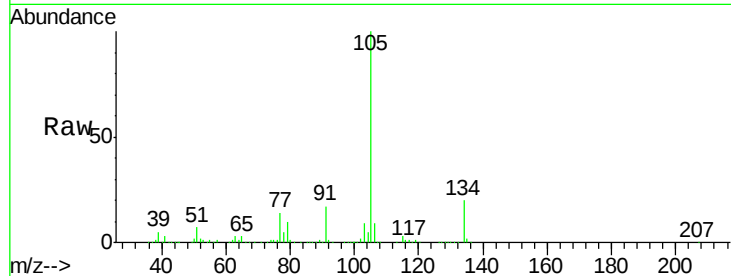
#85
 sec-Butylbenzene
 Concen: 52.508 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	590323		
134	19.5	9.8	29.4	

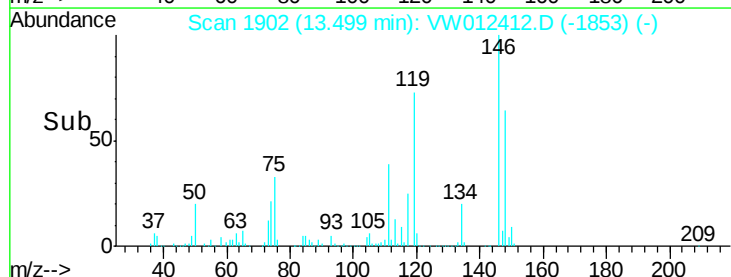
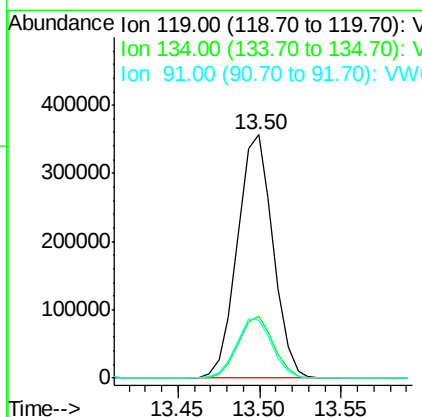
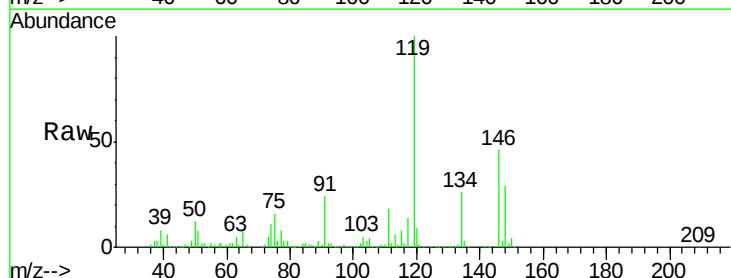
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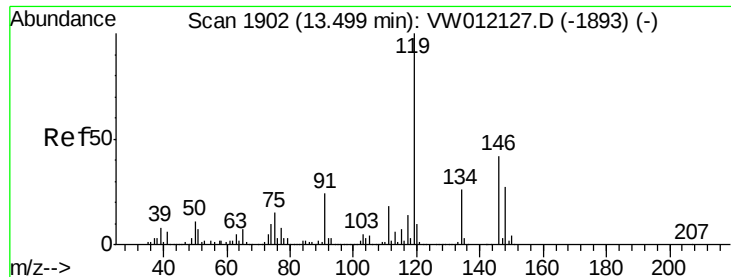
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#86
 p-Isopropyltoluene
 Concen: 53.902 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	541185		
134	25.4	12.8	38.3	
91	24.7	12.3	36.9	





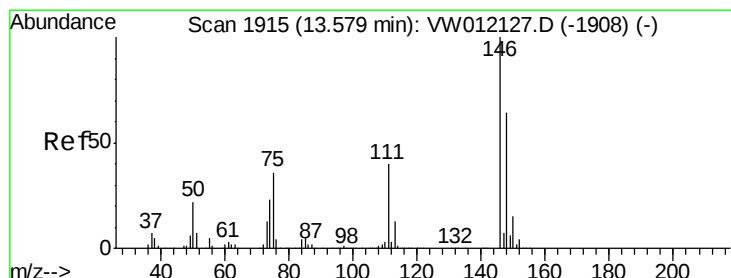
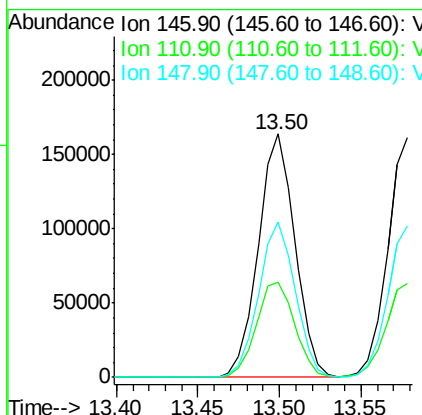
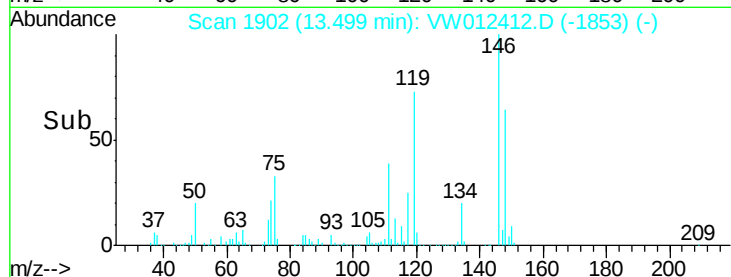
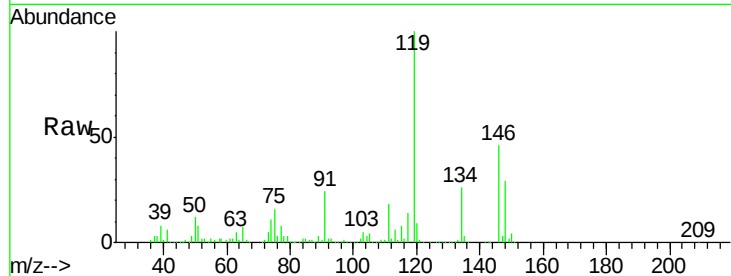
#87
 1,3-Dichlorobenzene
 Concen: 54.291 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	254692		
111	41.0	20.9	62.7	
148	63.7	32.2	96.6	

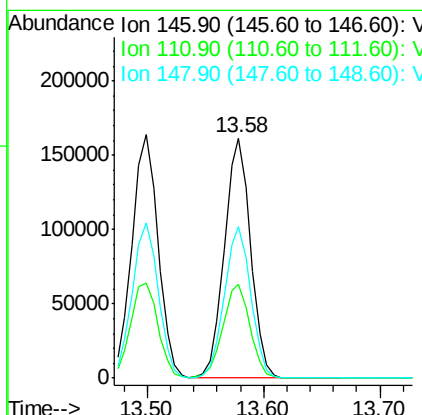
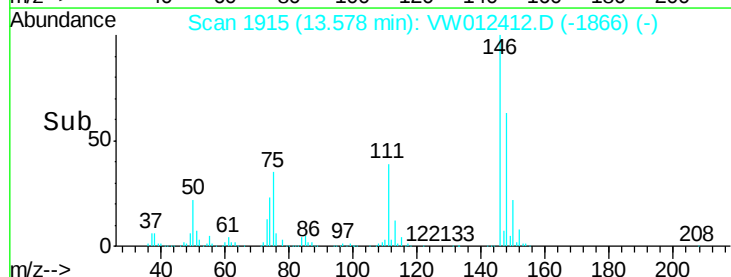
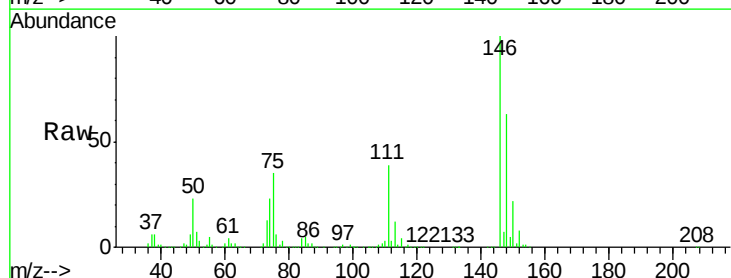
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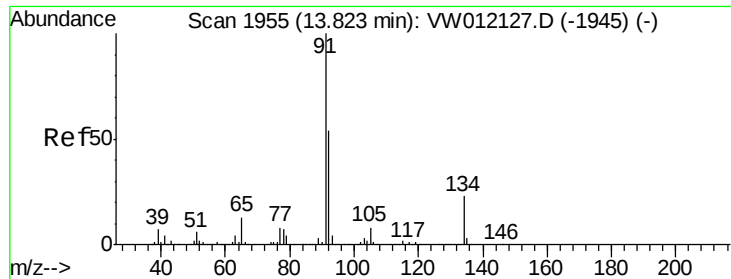
MMDadoda
 9/3/2019 2:42:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 54.052 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251779		
111	40.3	20.0	60.0	
148	63.6	32.1	96.3	





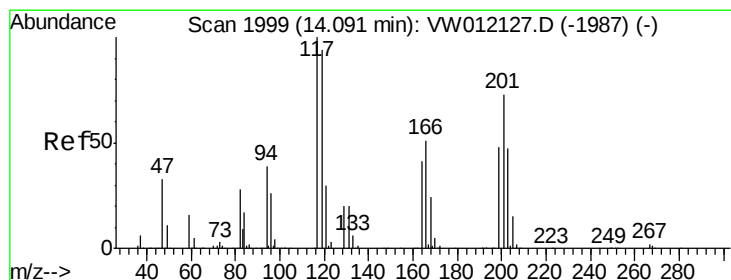
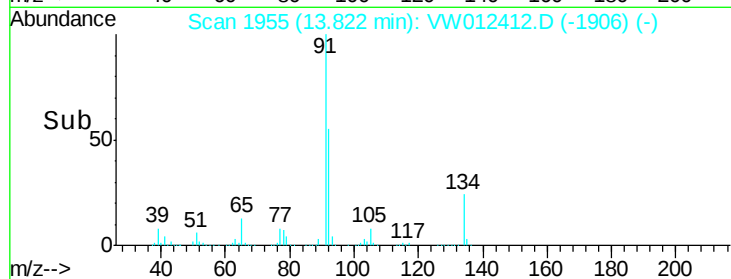
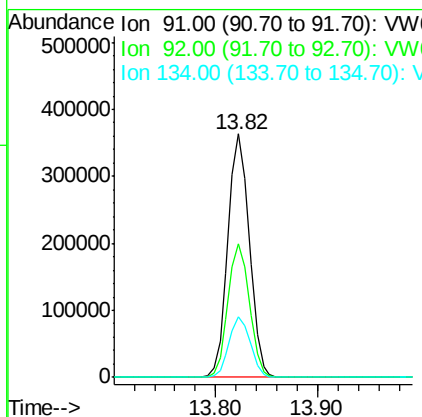
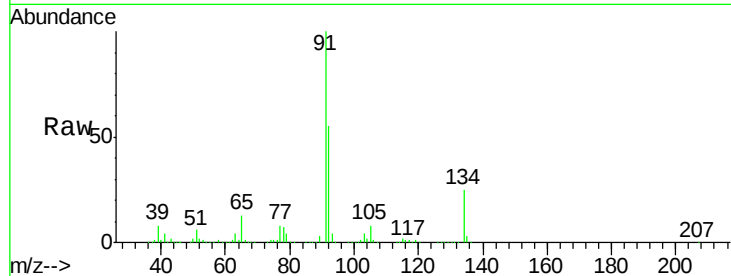
#89
n-Butylbenzene
Concen: 52.903 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.1	81.2
134	24.9	12.2	36.4

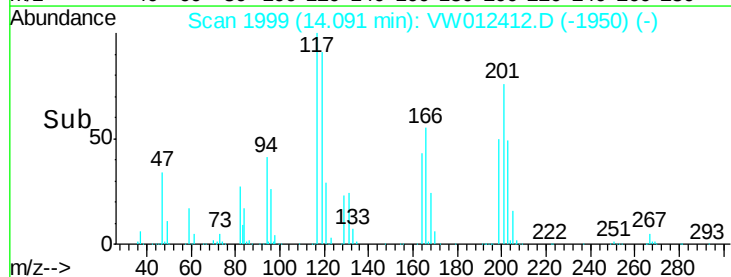
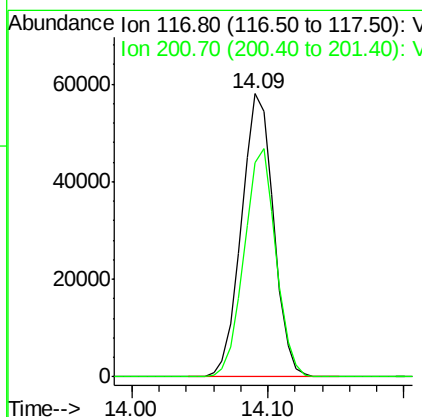
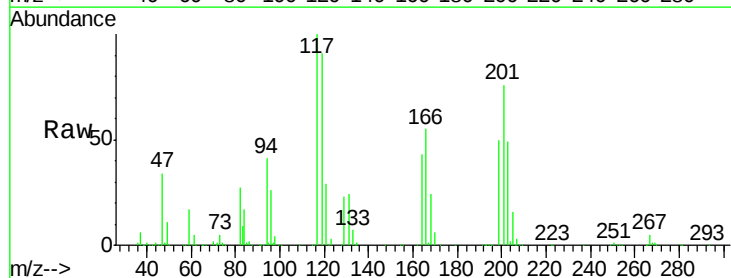
Manual Integrations
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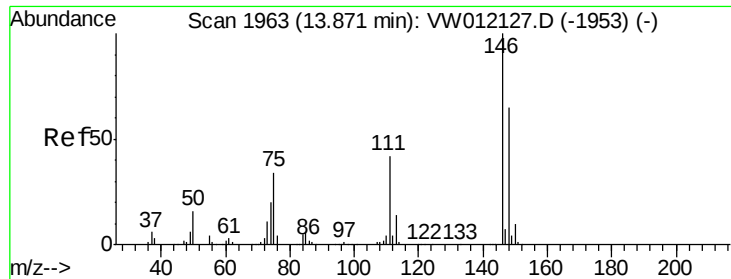
MMDadoda
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#90
Hexachloroethane
Concen: 54.387 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	38.6	115.7





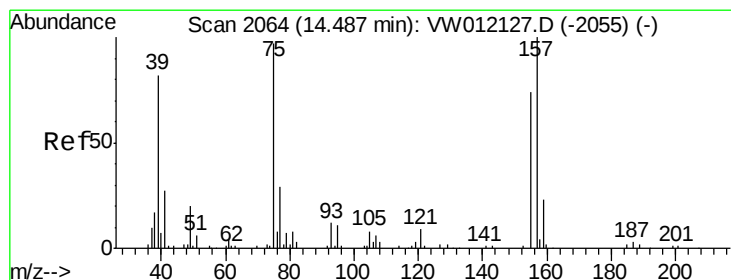
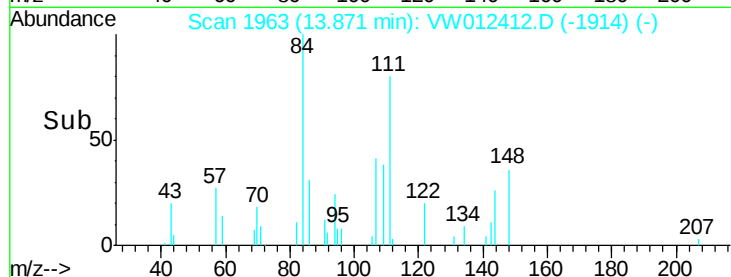
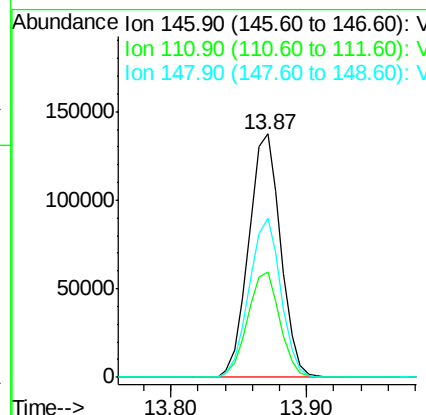
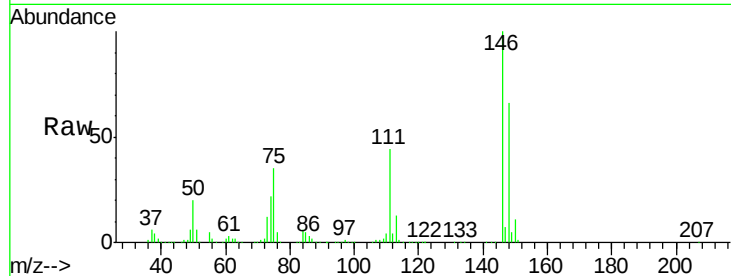
#91
 1,2-Dichlorobenzene
 Concen: 55.006 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	64.9	32.5	97.4

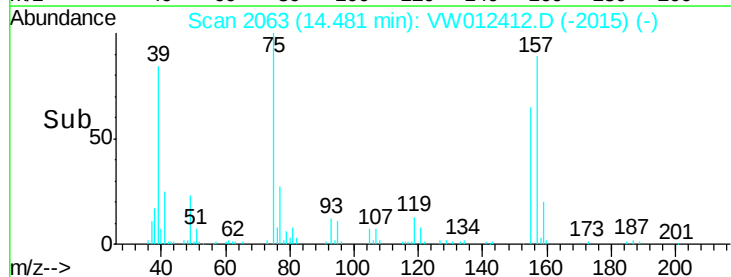
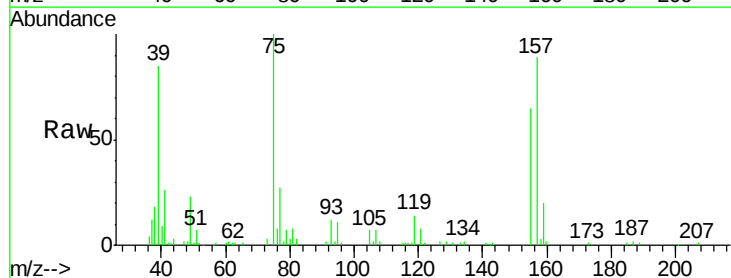
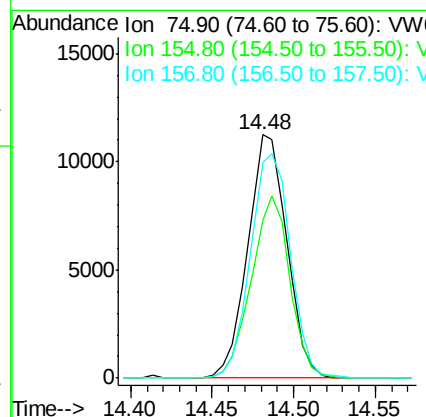
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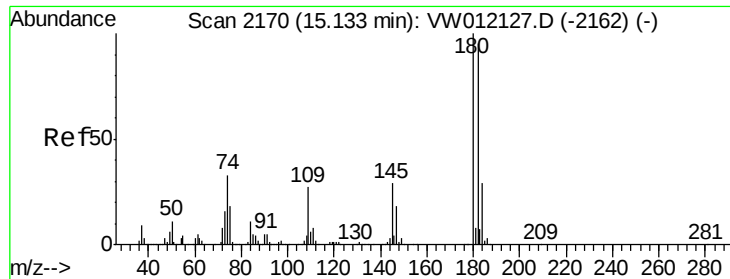
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.804 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	37.5	112.3
157	94.5	50.5	151.5





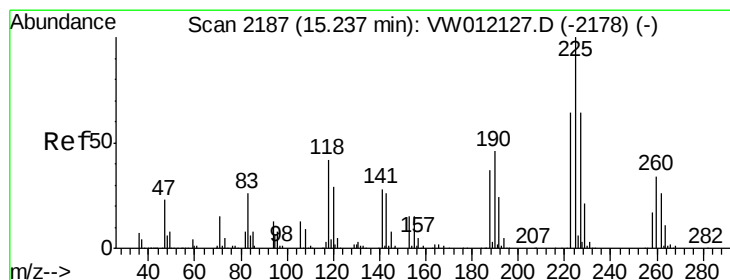
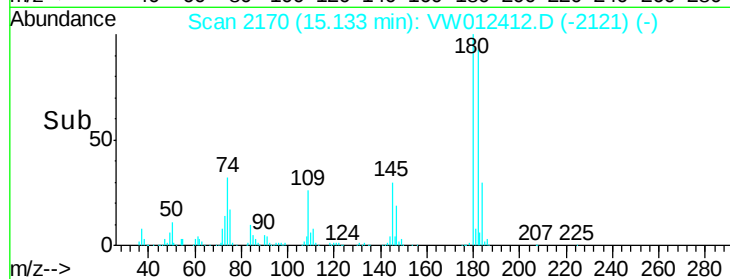
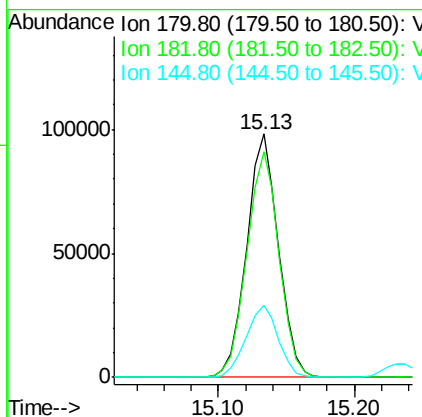
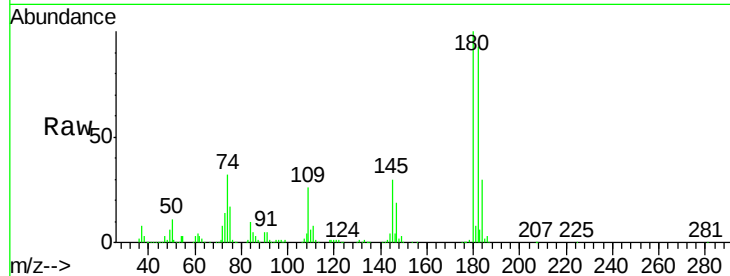
#93
 1,2,4-Trichlorobenzene
 Concen: 56.188 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159799		
182	94.4	47.8	143.4	
145	30.1	15.0	45.1	

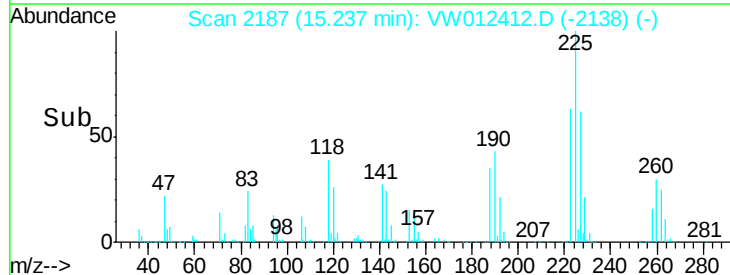
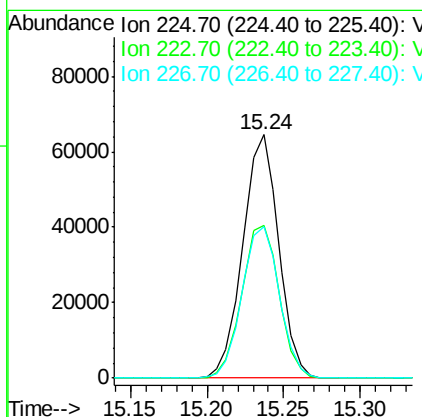
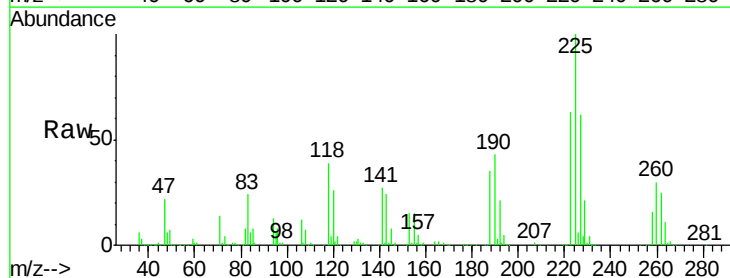
Manual Integrations
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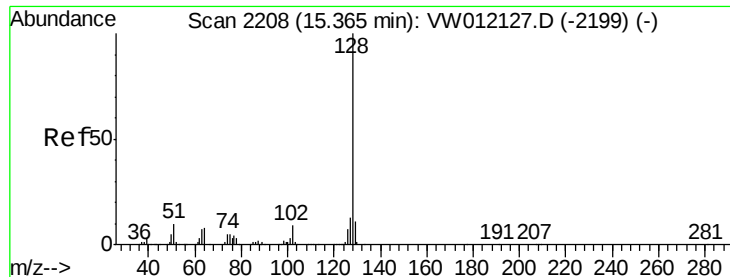
MMDadoda
 9/3/2019 2:42:01 AM



#94
 Hexachlorobutadiene
 Concen: 55.980 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012412.D
 Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105125		
223	65.5	32.3	96.8	
227	64.9	32.9	98.6	





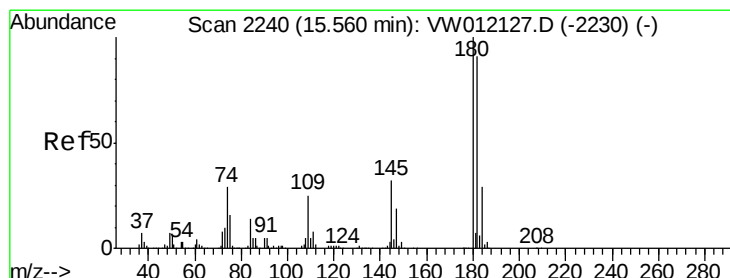
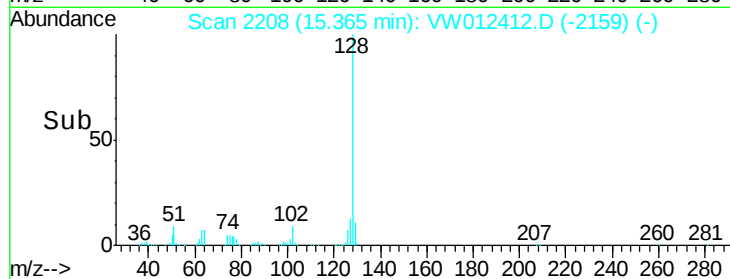
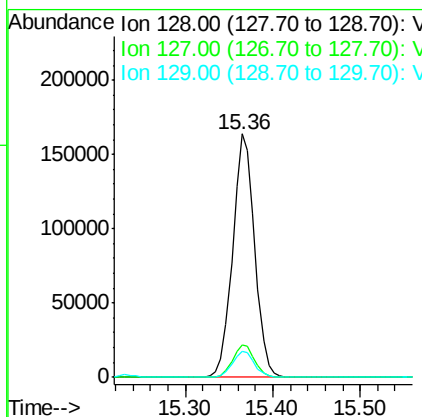
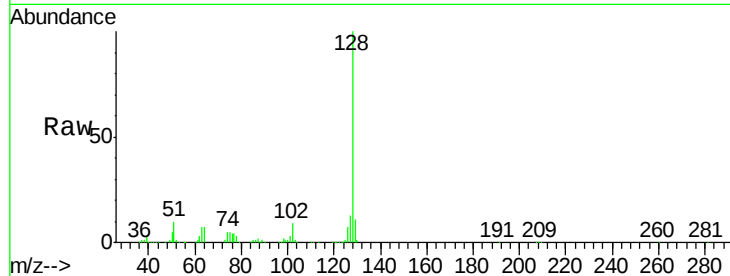
#95
Naphthalene
Concen: 51.181 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	286250		
127	13.4		10.7	16.1
129	10.8		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 56.666 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012412.D
Acq: 31 Aug 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	140607		
182	94.3		47.1	141.3
145	32.1		16.2	48.5

