

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012386.D
 Acq On : 31 Aug 2019 08:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:59 AM

Quant Time: Aug 31 11:25:24 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	163548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	274318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	241792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120896	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	108948	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	7.88	113	84517	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	10.32	98	328385	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.62	95	117077	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	49018	48.676	ug/l	98
3) Chloromethane	2.21	50	88228	56.550	ug/l	97
4) Vinyl Chloride	2.36	62	101278	53.037	ug/l	99
5) Bromomethane	2.72	94	50176m	51.883	ug/l	
6) Chloroethane	2.89	64	59684	55.405	ug/l	97
7) Trichlorofluoromethane	3.25	101	47576	49.617	ug/l	98
8) Diethyl Ether	3.68	74	51623	56.720	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	84777	52.015	ug/l	98
10) Methyl Iodide	4.26	142	124432	56.425	ug/l	99
11) Tert butyl alcohol	5.17	59	38931	332.743	ug/l	100
12) 1,1-Dichloroethene	4.04	96	86533	52.749	ug/l	95
13) Acrolein	3.89	56	23480	213.194	ug/l	100
14) Allyl chloride	4.66	41	192322	54.838	ug/l	99
15) Acrylonitrile	5.36	53	144518	320.353	ug/l	100
16) Acetone	4.12	43	129803	261.186	ug/l	99
17) Carbon Disulfide	4.37	76	249803	50.386	ug/l	99
18) Methyl Acetate	4.66	43	85824	69.724	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	163339	61.570	ug/l	100
20) Methylene Chloride	4.91	84	106608	56.744	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	96160	54.663	ug/l	99
22) Diisopropyl ether	6.31	45	386507	59.456	ug/l	98
23) Vinyl Acetate	6.25	43	1146961	286.696	ug/l	100
24) 1,1-Dichloroethane	6.21	63	201386	56.897	ug/l	100
25) 2-Butanone	7.17	43	200105	296.306	ug/l	100
26) 2,2-Dichloropropane	7.17	77	92084	45.964	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	106352	56.585	ug/l	99
28) Bromochloromethane	7.51	49	92284	59.820	ug/l	98
29) Tetrahydrofuran	7.52	42	134061	330.876	ug/l	100
30) Chloroform	7.67	83	187418	57.876	ug/l	98
31) Cyclohexane	7.95	56	164940	47.100	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	144201	56.290	ug/l	100
36) 1,1-Dichloropropene	8.08	75	143879	50.755	ug/l	100
37) Ethyl Acetate	7.25	43	90371	58.176	ug/l	100
38) Carbon Tetrachloride	8.07	117	128253	52.272	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	150806	47.354	ug/l	99
40) Benzene	8.32	78	412442	53.284	ug/l	99
41) Methacrylonitrile	7.48	41	56929	62.354	ug/l	96
42) 1,2-Dichloroethane	8.40	62	142376	58.689	ug/l	99
43) Isopropyl Acetate	8.42	43	168049	58.403	ug/l	100
44) Trichloroethene	9.09	130	98695	52.450	ug/l	95
45) 1,2-Dichloropropane	9.37	63	113812	54.633	ug/l	98
46) Dibromomethane	9.46	93	53448	57.664	ug/l	100
47) Bromodichloromethane	9.64	83	139131	56.401	ug/l	99
48) Methyl methacrylate	9.43	41	83587	61.035	ug/l	96
49) 1,4-Dioxane	9.45	88	18124	1277.286	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	452957	309.496	ug/l	99
52) Toluene	10.38	92	253635	54.544	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	138233	55.012	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	160709	52.969	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	75533	57.597	ug/l	97
56) Ethyl methacrylate	10.65	69	112368	58.873	ug/l	98
57) 1,3-Dichloropropane	10.93	76	142041	57.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	305636	312.014	ug/l	100
59) 2-Hexanone	10.97	43	307568	297.011	ug/l	99
60) Dibromochloromethane	11.13	129	85135	58.284	ug/l	99
61) 1,2-Dibromoethane	11.23	107	70916	58.045	ug/l	99
64) Tetrachloroethene	10.86	164	92463	58.983	ug/l	99
65) Chlorobenzene	11.66	112	252466	53.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91661	55.186	ug/l	99
67) Ethyl Benzene	11.73	91	489354	53.356	ug/l	100
68) m/p-Xylenes	11.84	106	353551	107.018	ug/l	99
69) o-Xylene	12.16	106	165002	53.964	ug/l	98
70) Styrene	12.18	104	292279	55.225	ug/l	99
71) Bromoform	12.35	173	48617	58.749	ug/l #	100
73) Isopropylbenzene	12.46	105	460484	50.832	ug/l	99
74) N-amyl acetate	12.27	43	154035	56.280	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	90525	54.508	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	61955m	52.618	ug/l	
77) Bromobenzene	12.74	156	102712	52.409	ug/l	99
78) n-propylbenzene	12.80	91	560659	50.697	ug/l	99
79) 2-Chlorotoluene	12.89	91	325653	51.866	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	397469	52.509	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	27126	50.512	ug/l	98
82) 4-Chlorotoluene	12.99	91	340960	51.863	ug/l	99
83) tert-Butylbenzene	13.21	119	334468	52.162	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	398618	52.423	ug/l	99
85) sec-Butylbenzene	13.38	105	464838	50.600	ug/l	99
86) p-Isopropyltoluene	13.50	119	423207	51.585	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	200511	52.308	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	200702	52.731	ug/l	100
89) n-Butylbenzene	13.82	91	414289	50.781	ug/l	100
90) Hexachloroethane	14.09	117	74645	51.859	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	181106	53.856	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16567	59.172	ug/l	96

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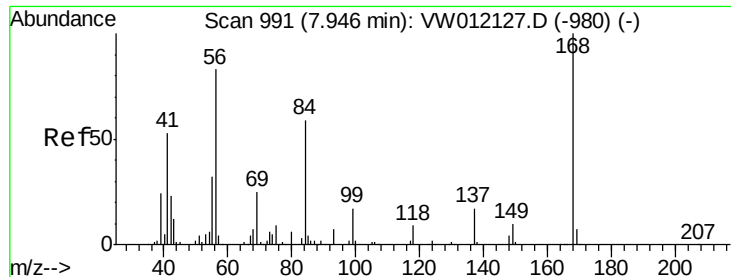
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	126852	54.586	ug/l	99
94) Hexachlorobutadiene	15.24	225	82986	54.081	ug/l	98
95) Naphthalene	15.36	128	245929	53.591	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	114410	56.428	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 163548

Ion Ratio Lower Upper

168 100

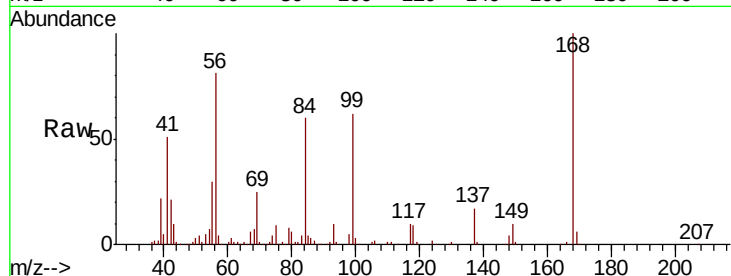
99 61.8 49.2 73.8

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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

80000

60000

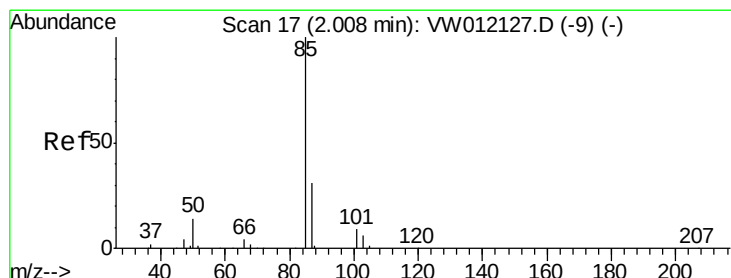
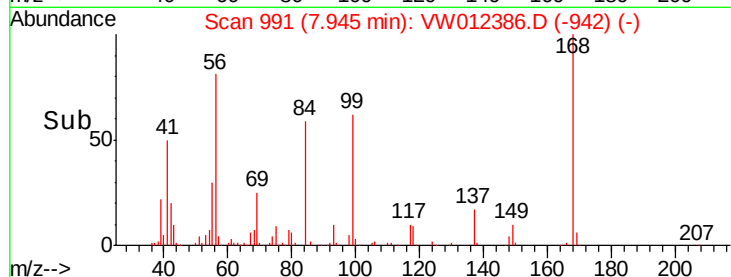
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.676 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012386.D

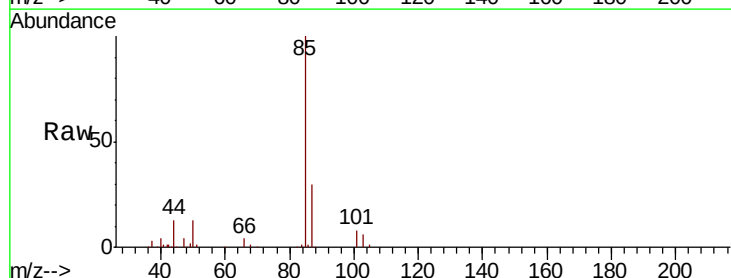
Acq: 31 Aug 2019 08:05

Tgt Ion: 85 Resp: 49018

Ion Ratio Lower Upper

85 100

87 30.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

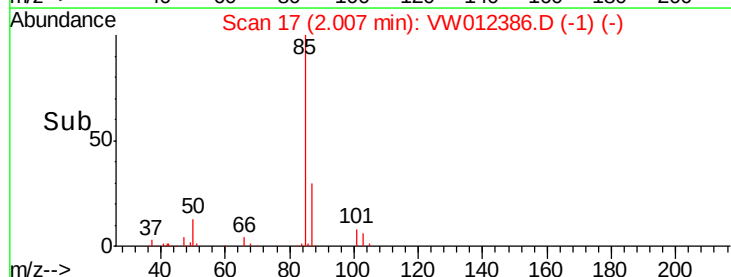
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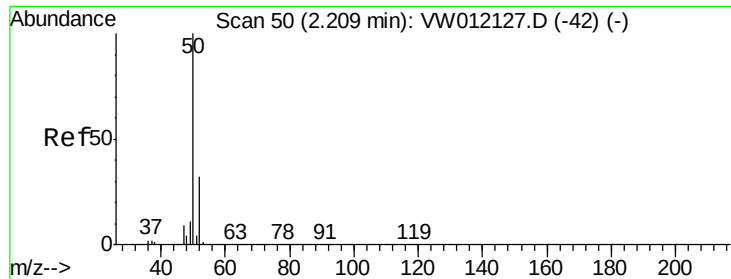
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 56.550 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 88228

Ion Ratio Lower Upper

50 100

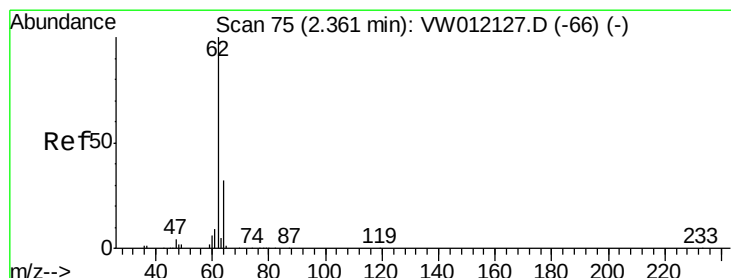
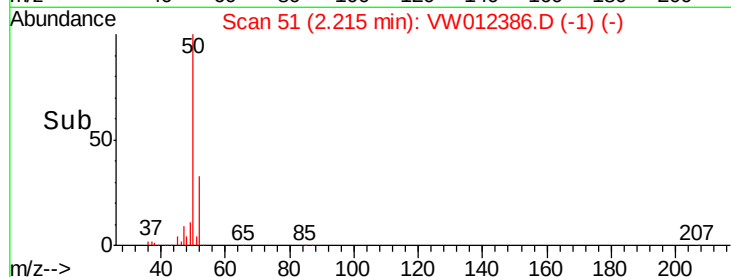
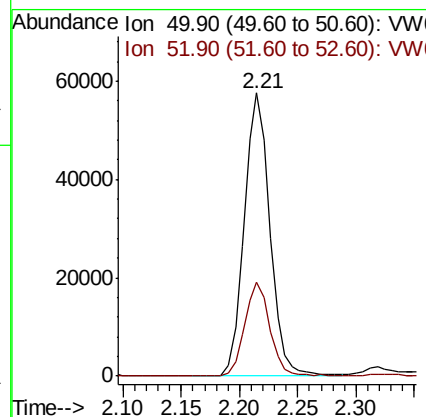
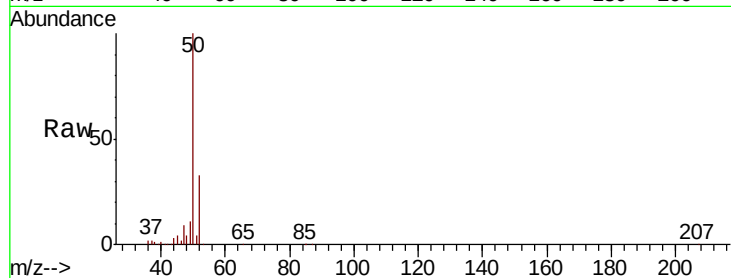
52 33.3 25.5 38.3

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#4

Vinyl Chloride

Concen: 53.037 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012386.D

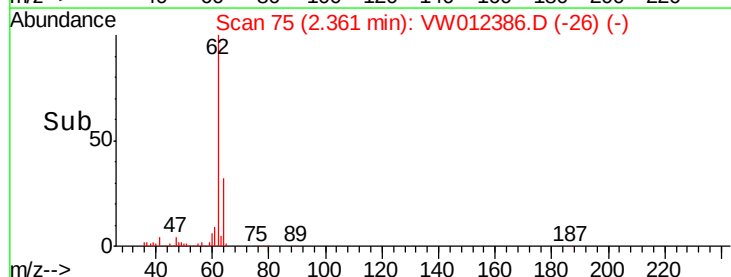
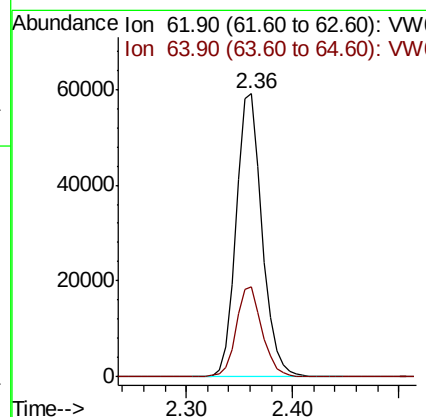
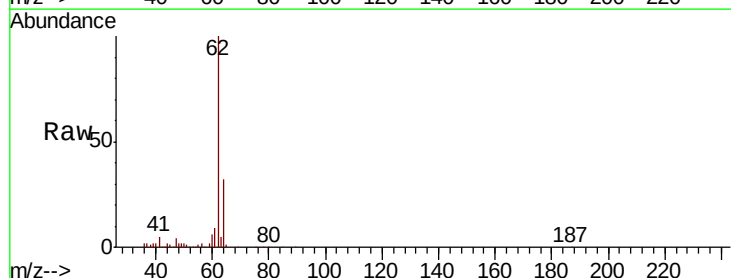
Acq: 31 Aug 2019 08:05

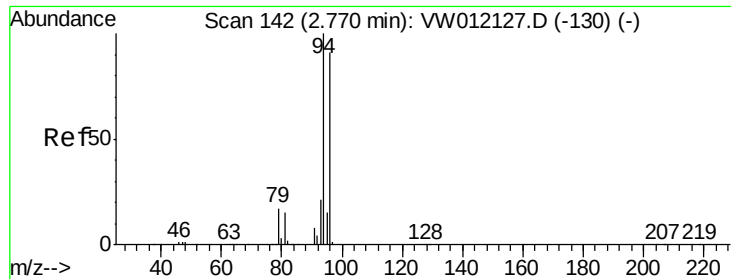
Tgt Ion: 62 Resp: 101278

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 51.883 ug/l m

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 50176

Ion Ratio Lower Upper

94 100

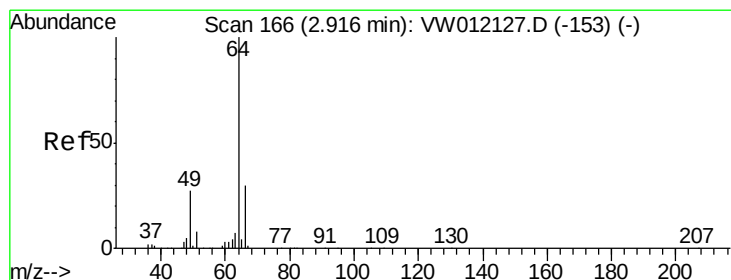
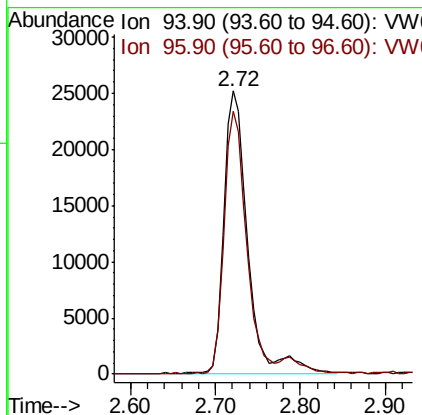
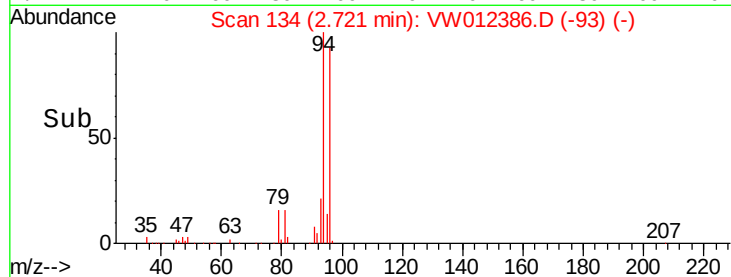
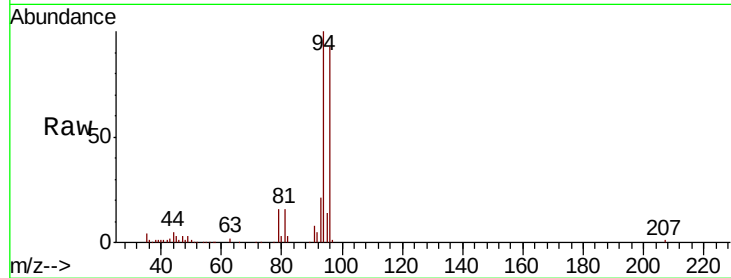
96 92.7 72.9 109.3

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#6

Chloroethane

Concen: 55.405 ug/l

RT: 2.89 min Scan# 161

Delta R.T. -0.03 min

Lab File: VW012386.D

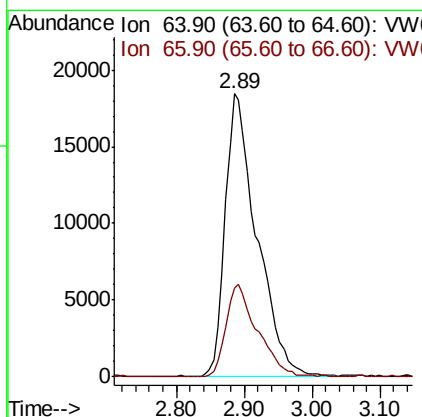
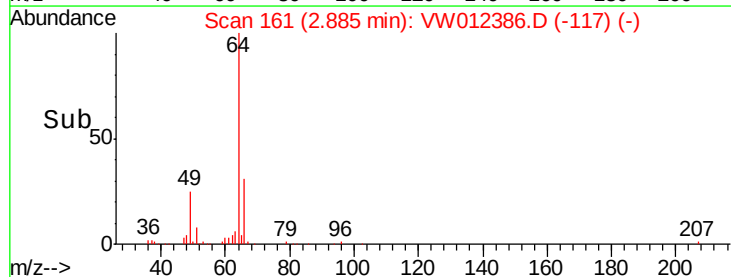
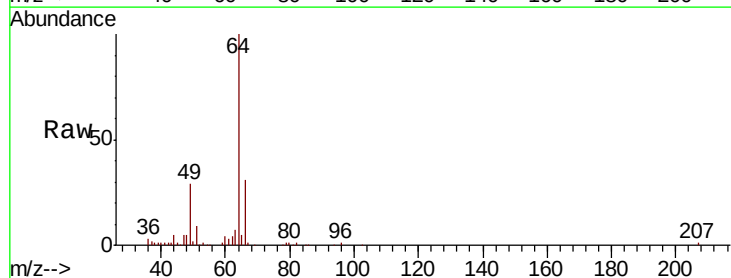
Acq: 31 Aug 2019 08:05

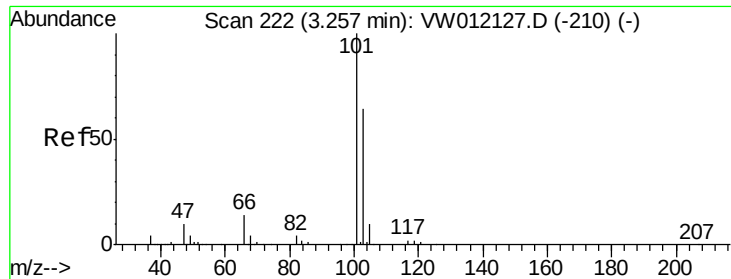
Tgt Ion: 64 Resp: 59684

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.8





#7

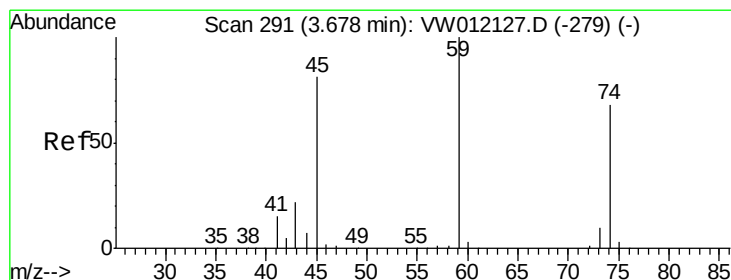
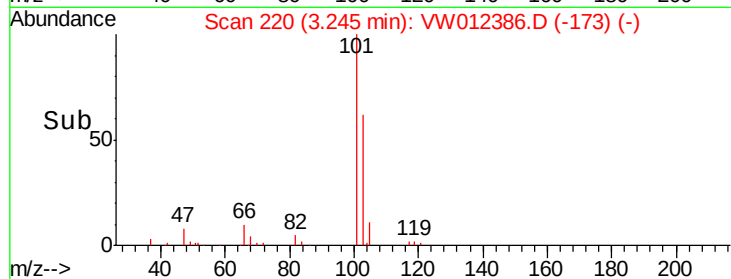
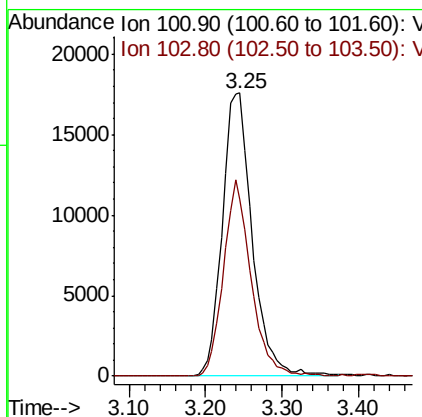
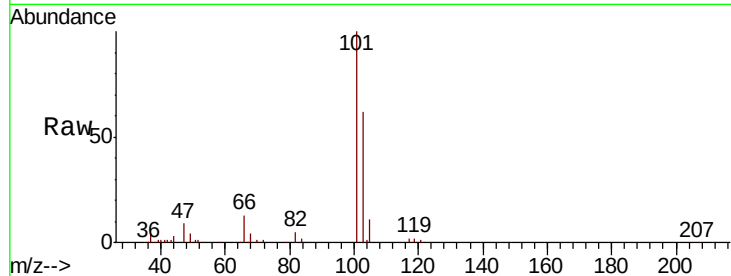
Trichlorofluoromethane
 Concen: 49.617 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012386.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.2	76.8

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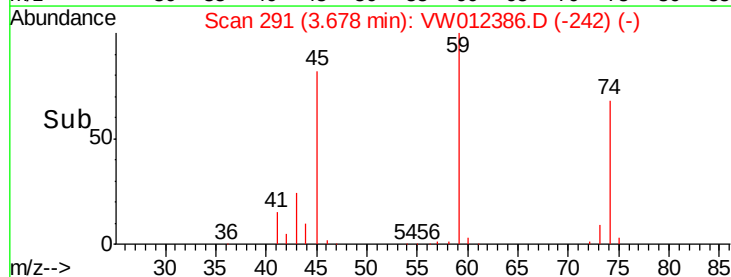
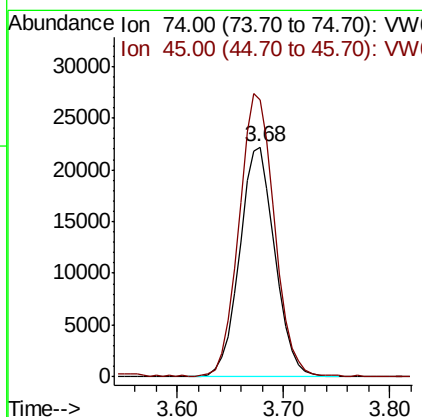
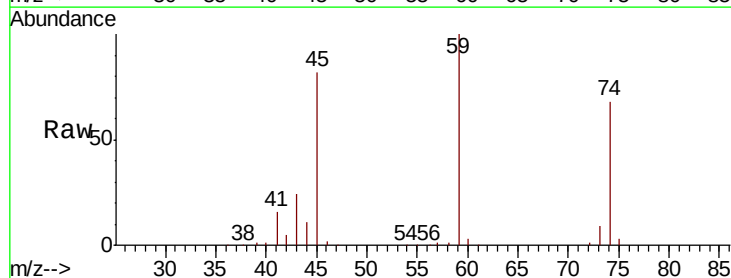
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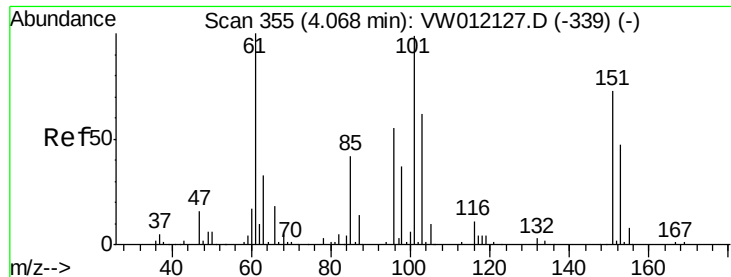


#8

Diethyl Ether
 Concen: 56.720 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.3	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.015 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW012386.D

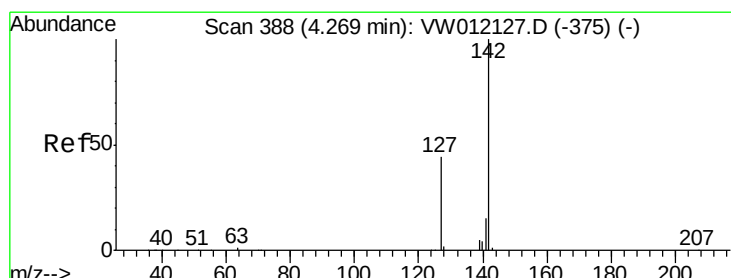
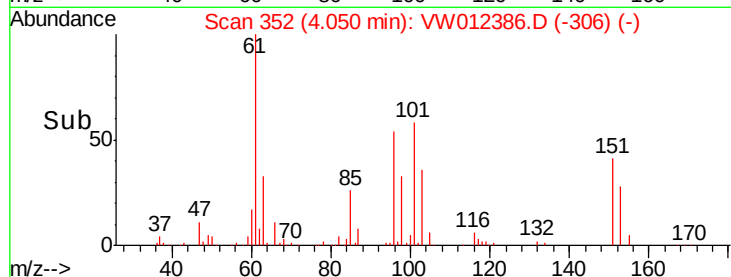
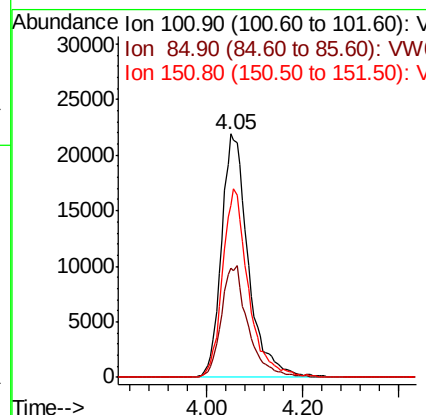
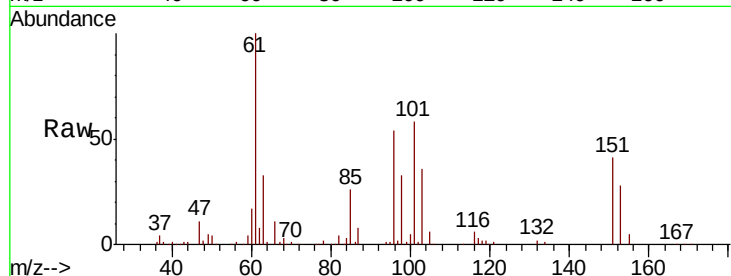
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.8	35.8	53.6
151	75.0	58.6	87.8

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#10

Methyl Iodide

Concen: 56.425 ug/l

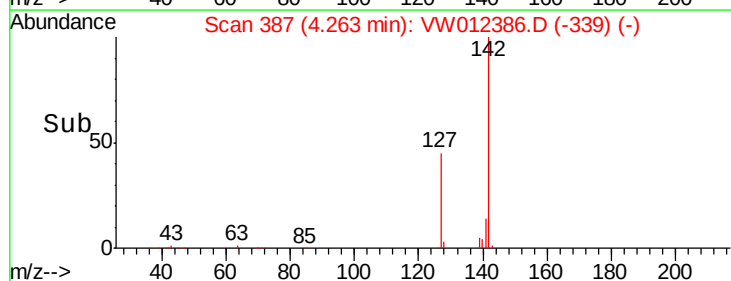
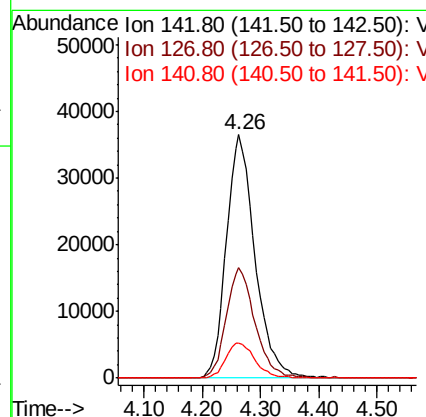
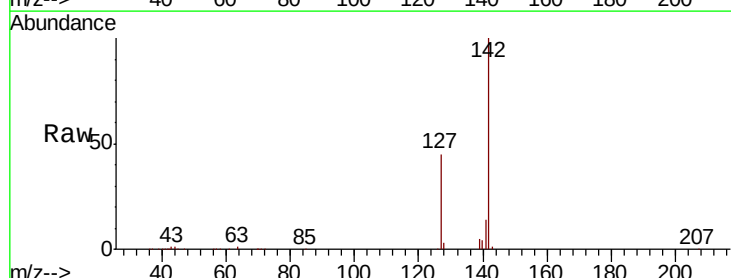
RT: 4.26 min Scan# 387

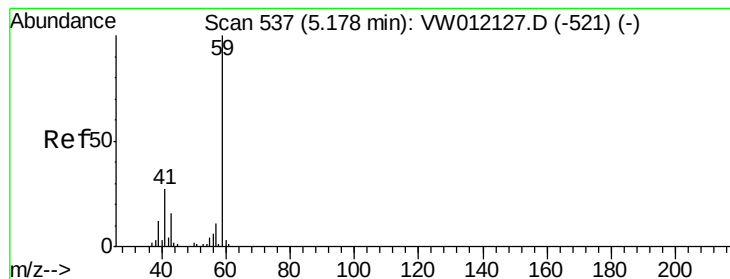
Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.5	53.3
141	14.9	11.8	17.8





#11

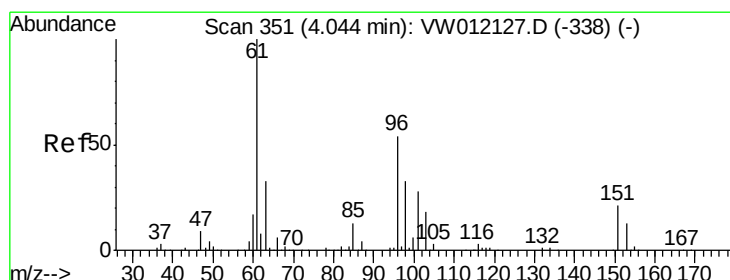
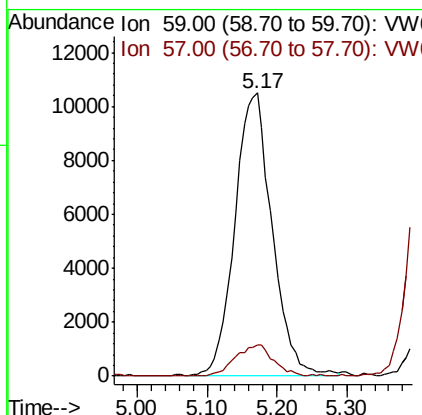
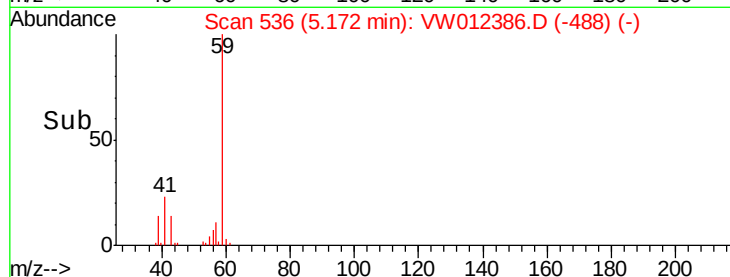
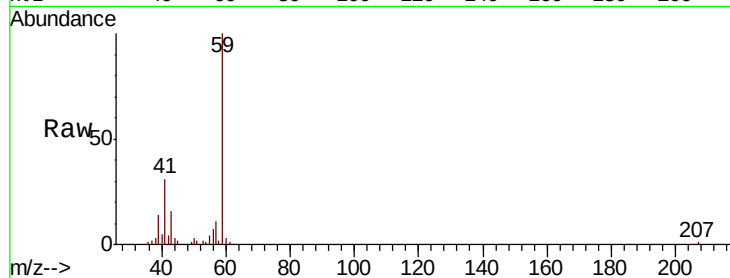
Tert butyl alcohol
Concen: 332.743 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.4

Manual Integrations
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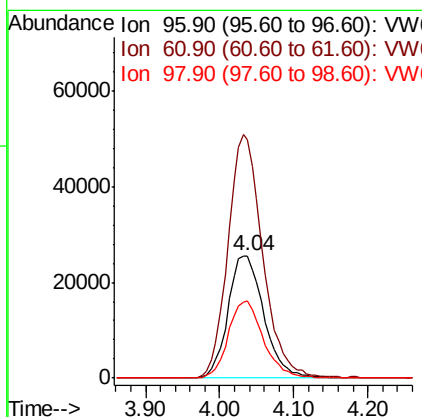
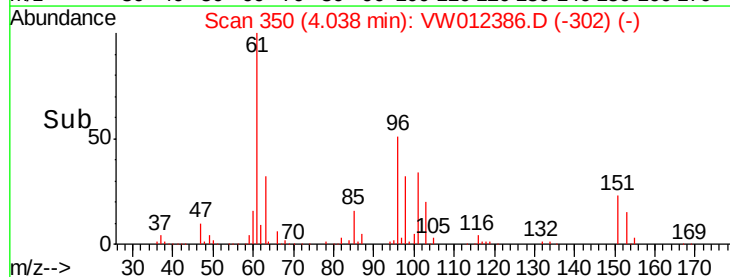
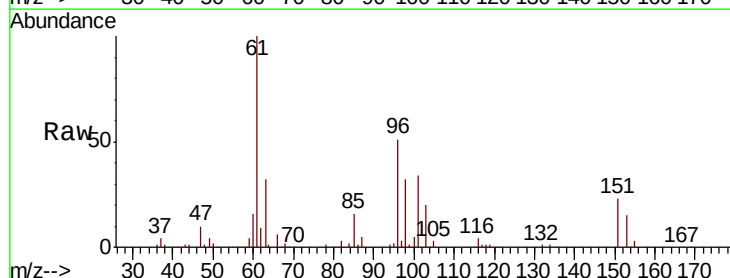
MMDadoda
9/3/2019 2:39:59 AM

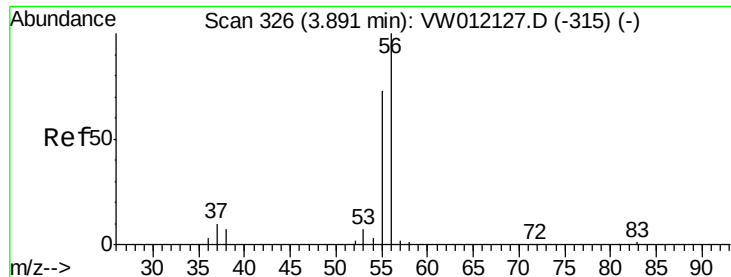


#12

1,1-Dichloroethene
Concen: 52.749 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.7	149.1	223.7
98	62.6	49.4	74.2





#13

Acrolein

Concen: 213.194 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 23480

Ion Ratio Lower Upper

56 100

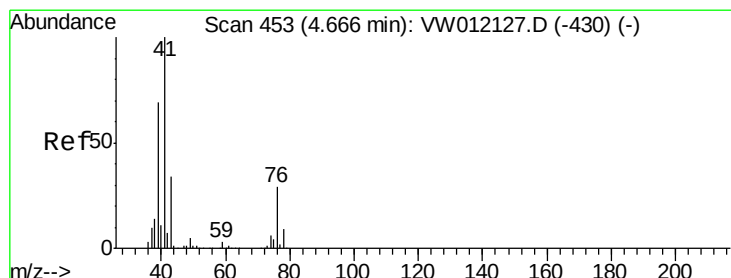
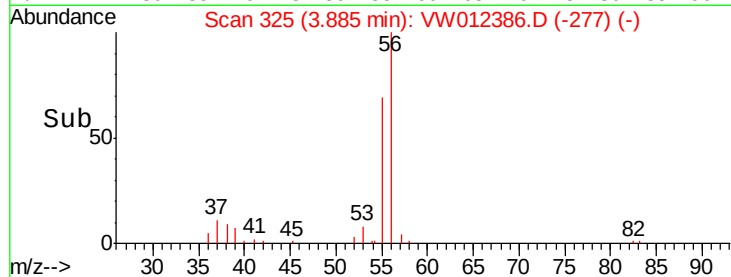
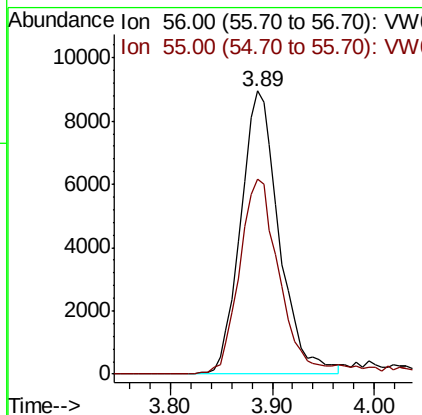
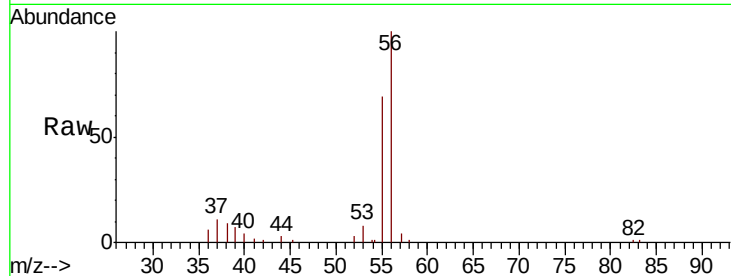
55 70.2 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 54.838 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

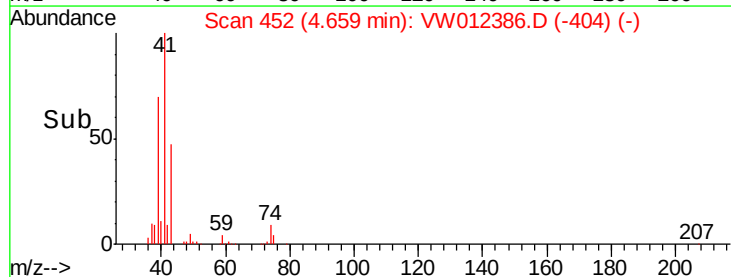
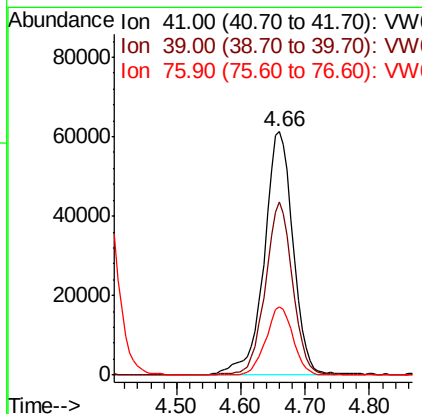
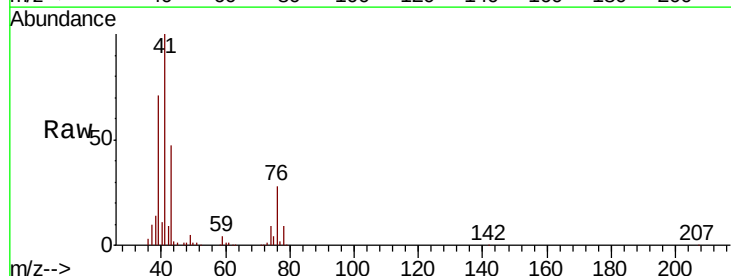
Tgt Ion: 41 Resp: 192322

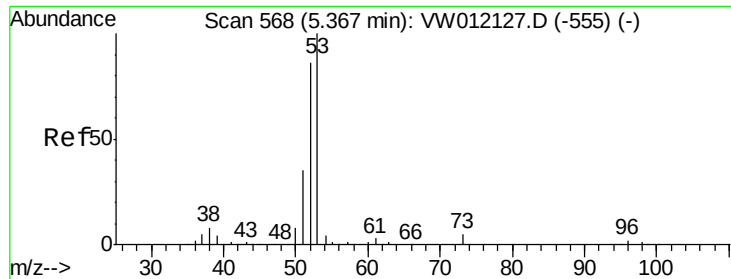
Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 26.3 22.1 33.1





#15

Acrylonitrile

Concen: 320.353 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

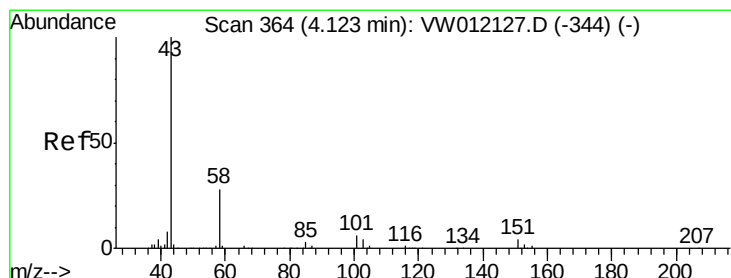
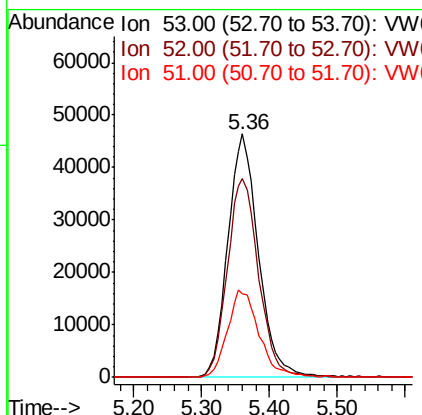
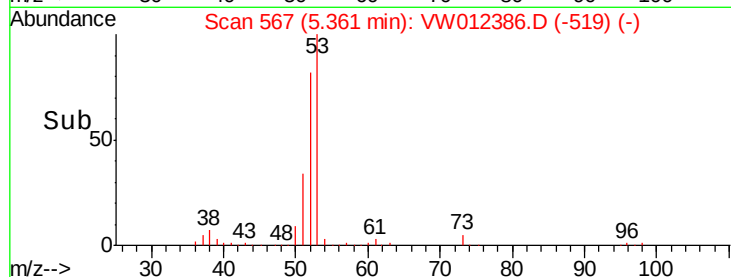
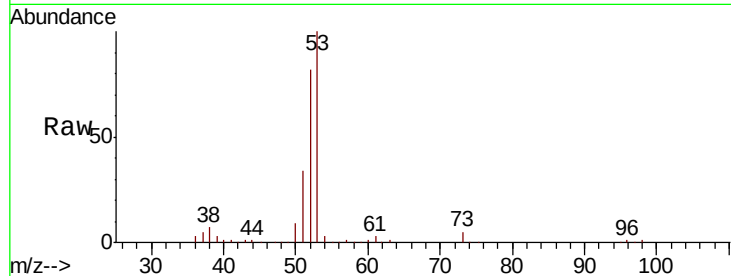
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	144518
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.7	100.1
51	37.1	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 261.186 ug/l

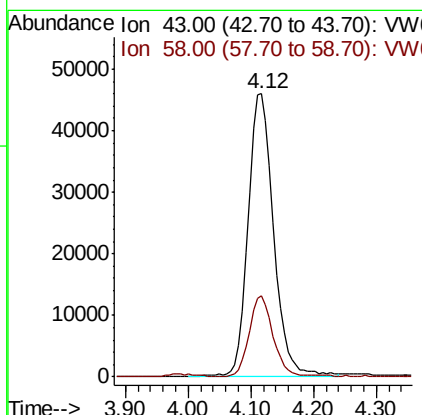
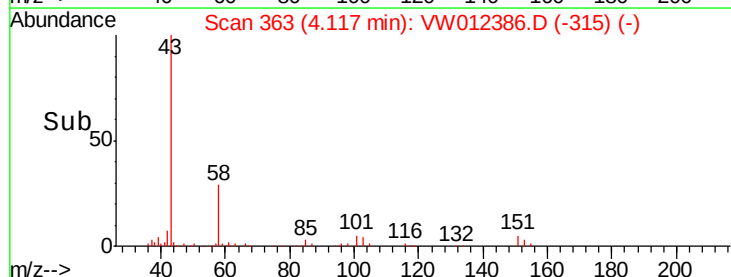
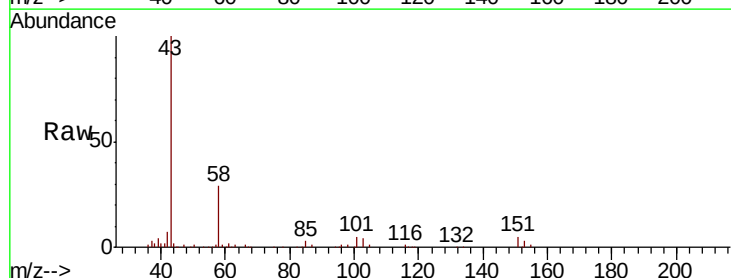
RT: 4.12 min Scan# 363

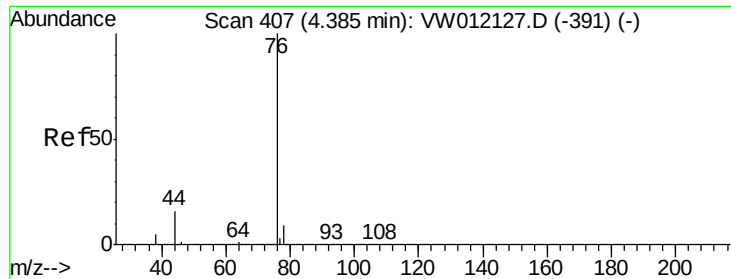
Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion:	43	Resp:	129803
Ion Ratio	Lower	Upper	
43	100		
58	28.5	22.4	33.6





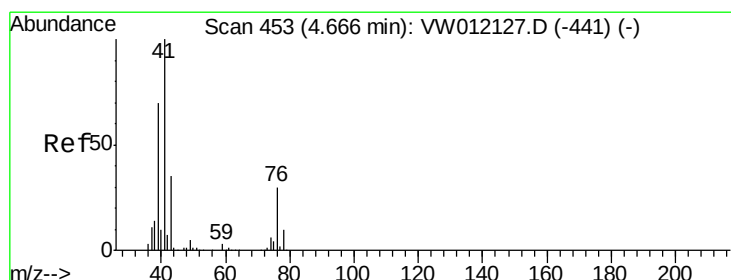
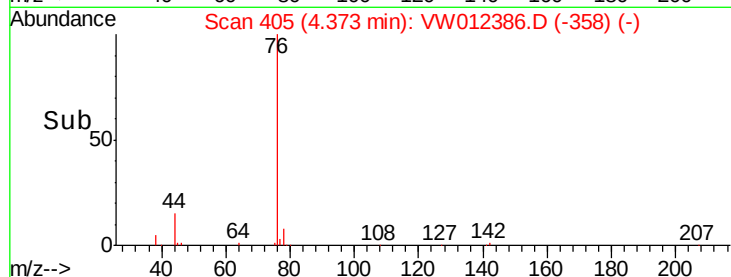
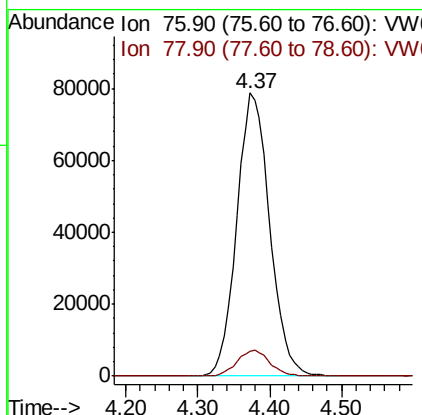
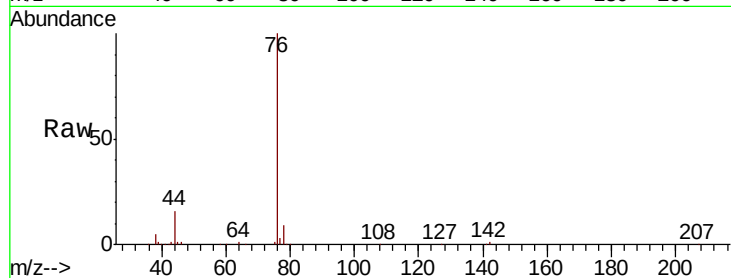
#17
Carbon Disulfide
Concen: 50.386 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

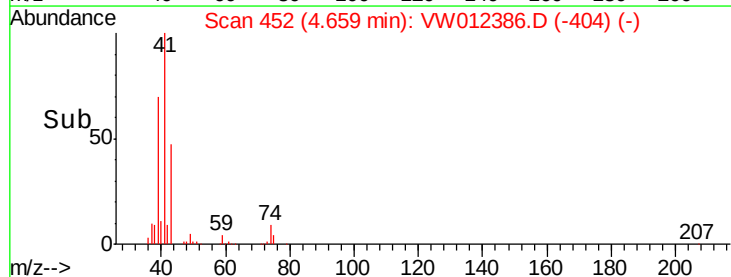
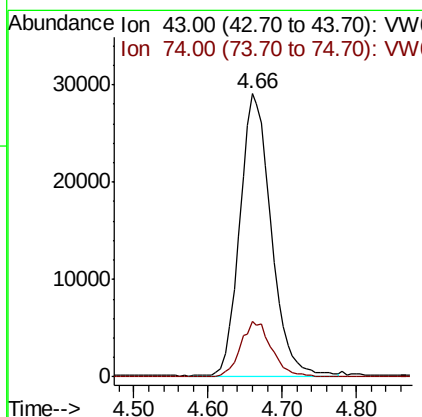
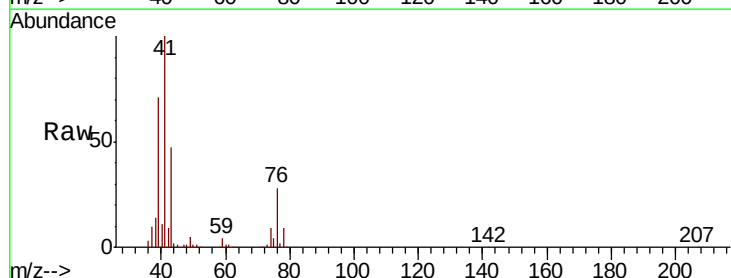
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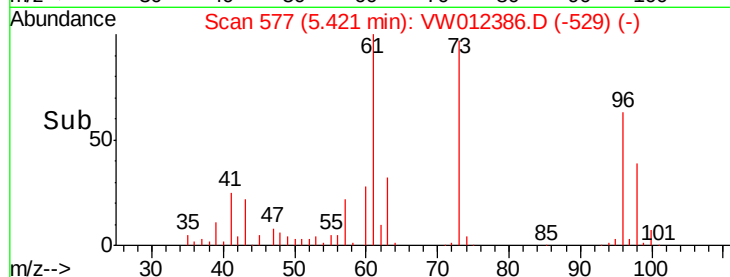
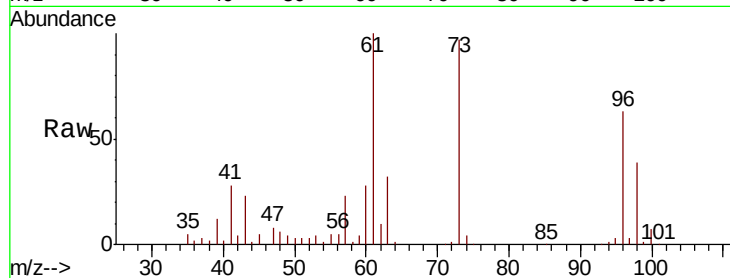
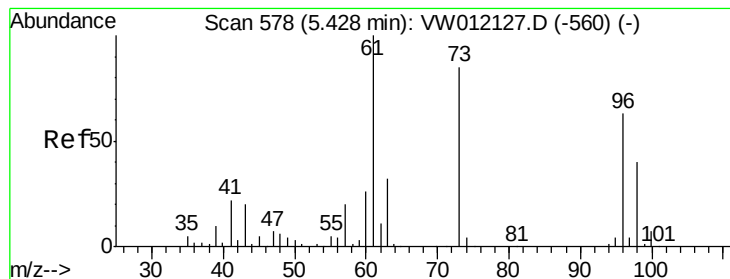
MMDadoda
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#18
Methyl Acetate
Concen: 69.724 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.7	23.5





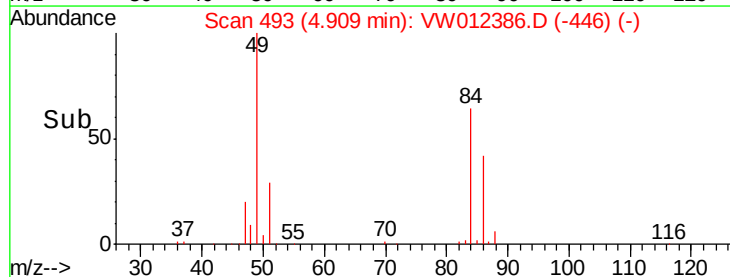
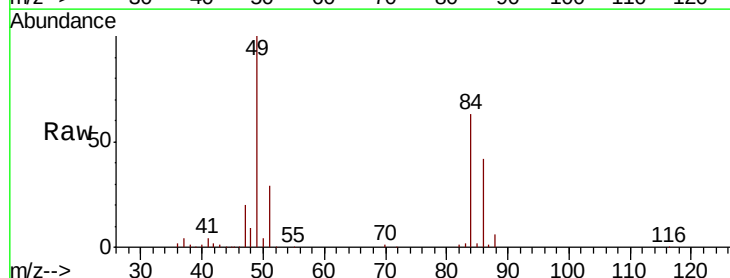
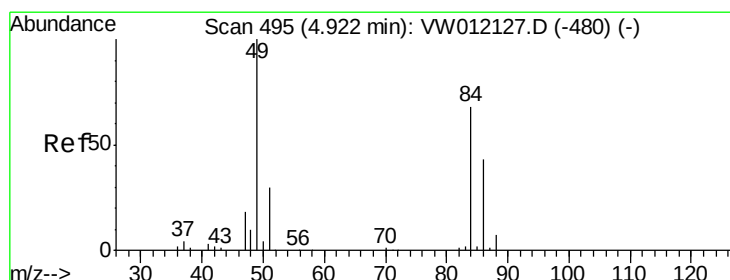
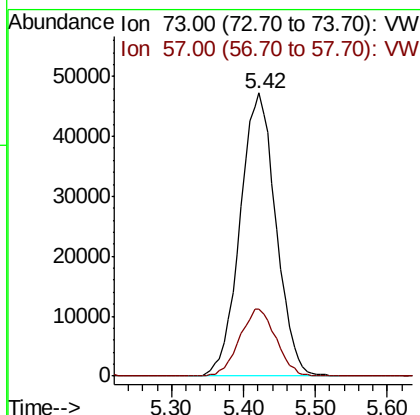
#19
Methyl tert-butyl Ether
Concen: 61.570 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tot Ion: 73 Resp: 163339
Ion Ratio Lower Upper
73 100
57 23.6 18.9 28.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

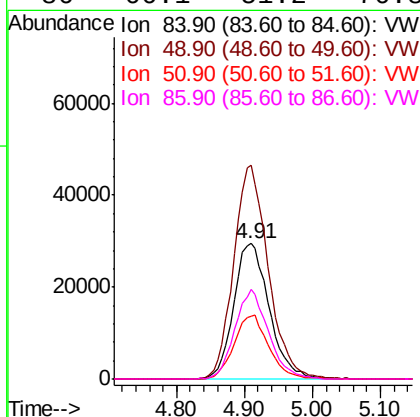
Manual Integrations
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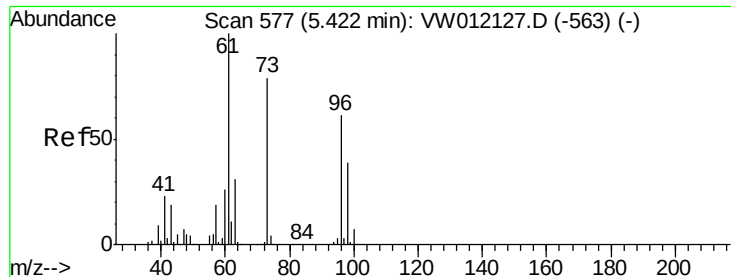
MMDadoda
9/3/2019 2:39:59 AM



#20
Methylene Chloride
Concen: 56.744 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion: 84 Resp: 106608
Ion Ratio Lower Upper
84 100
49 158.0 117.8 176.8
51 46.3 35.6 53.4
86 66.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 54.663 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

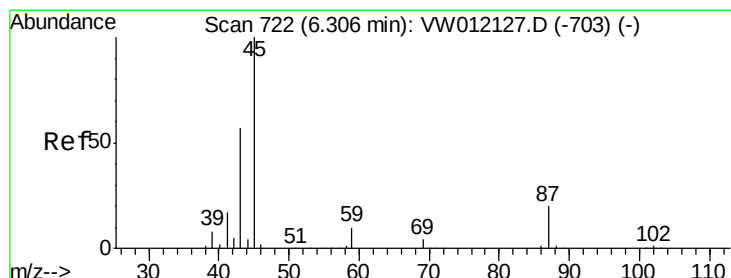
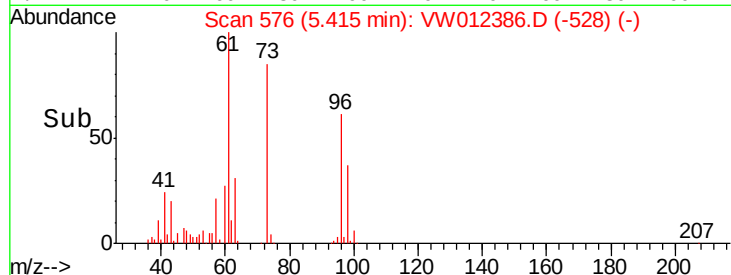
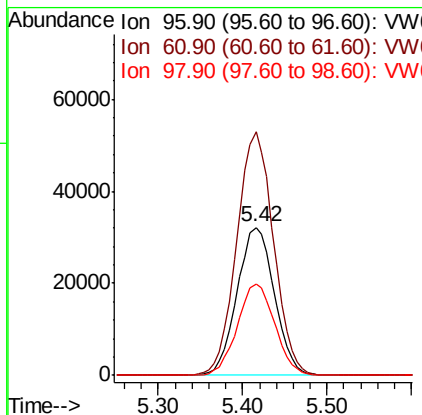
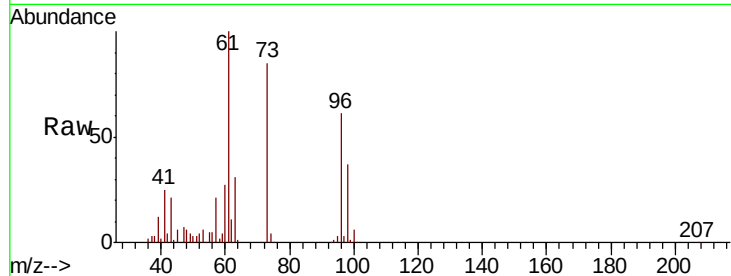
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	96160
Ion	Ratio	Lower	Upper
96	100		
61	164.7	131.4	197.0
98	61.4	51.4	77.0

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#22

Diisopropyl ether

Concen: 59.456 ug/l

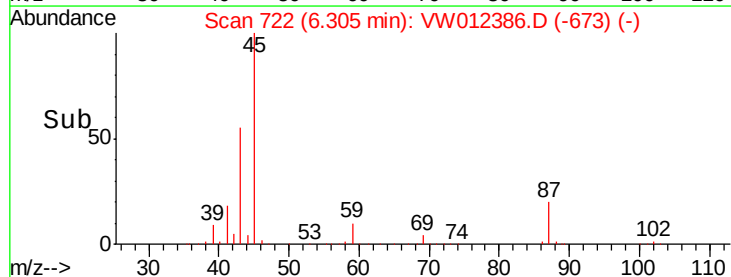
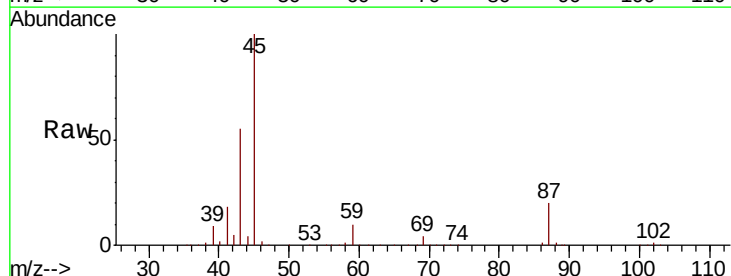
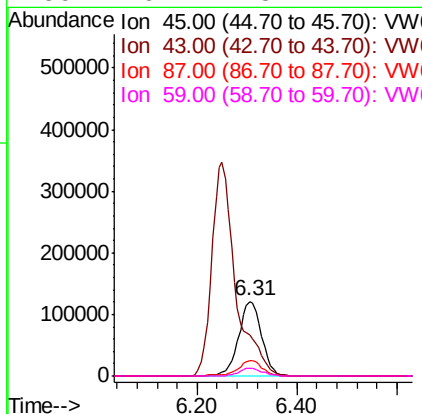
RT: 6.31 min Scan# 722

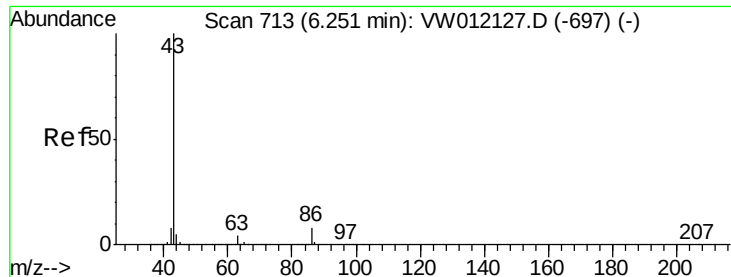
Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion:	45	Resp:	386507
Ion	Ratio	Lower	Upper
45	100		
43	54.7	45.5	68.3
87	19.8	16.1	24.1
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 286.696 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1146961

Ion Ratio Lower Upper

43 100

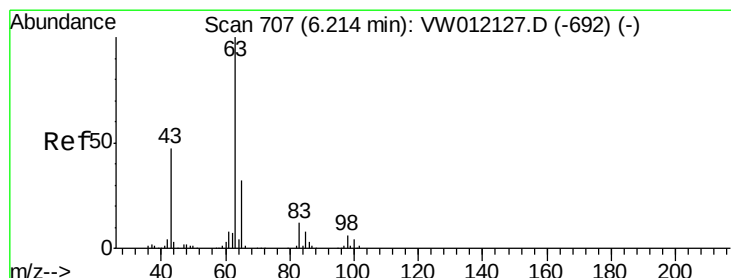
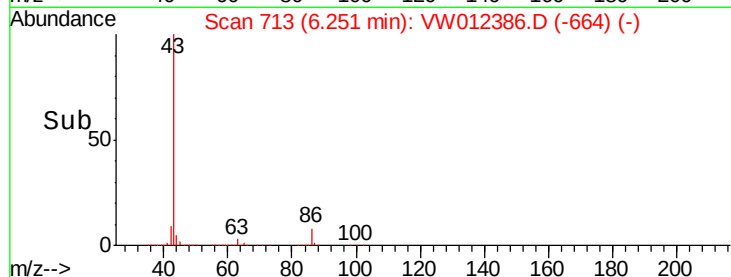
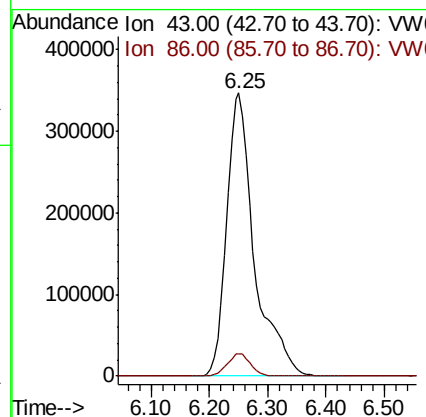
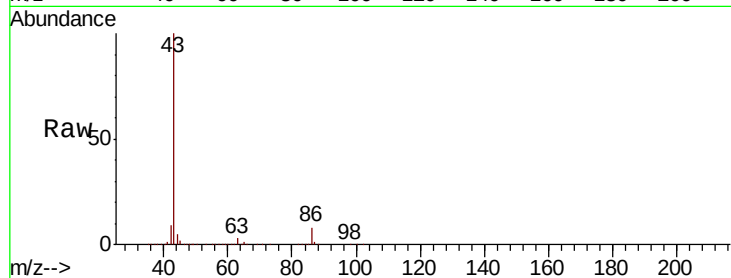
86 8.0 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 56.897 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

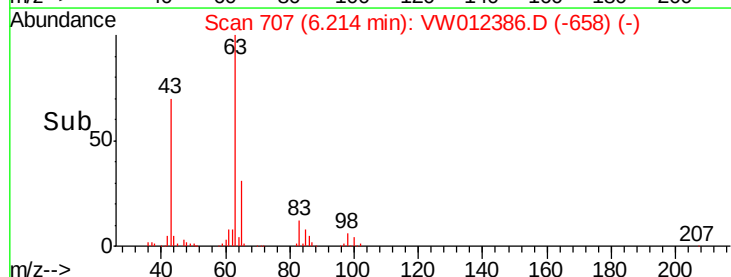
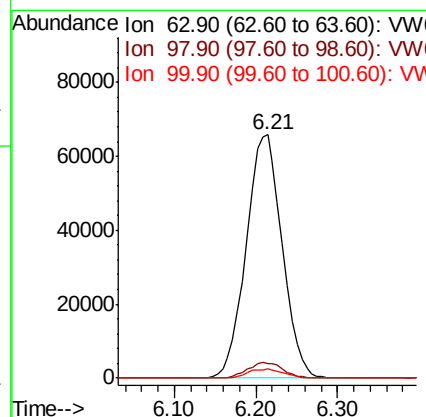
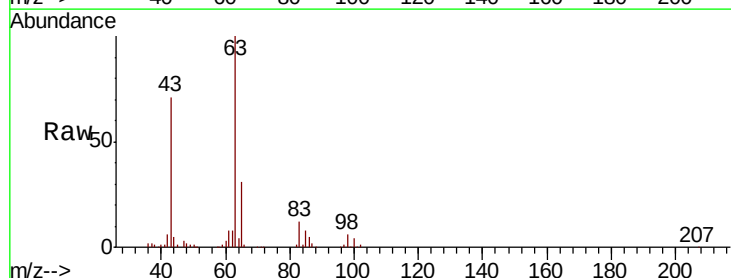
Tgt Ion: 63 Resp: 201386

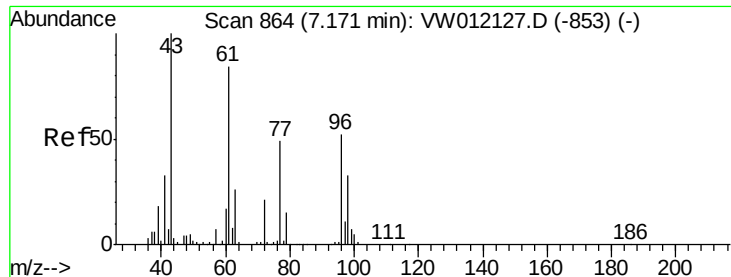
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 296.306 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 200105

Ion Ratio Lower Upper

43 100

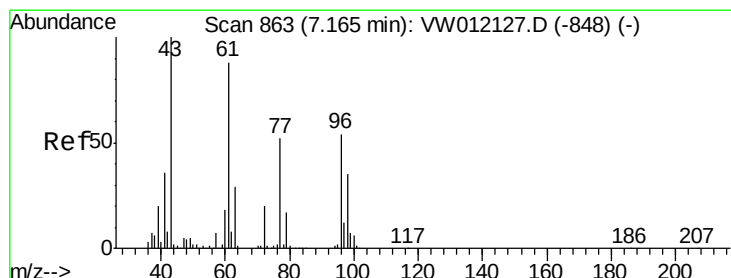
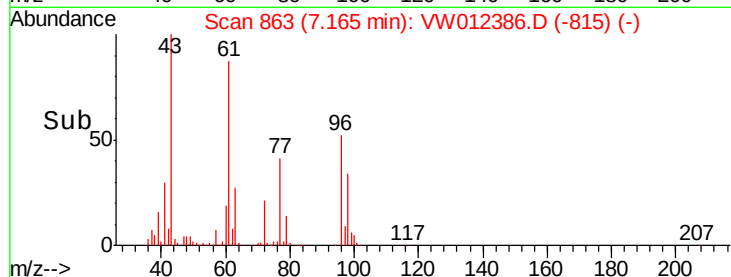
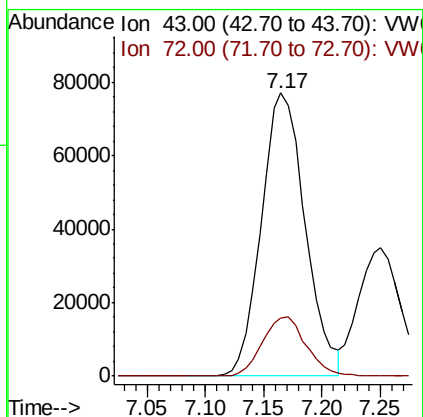
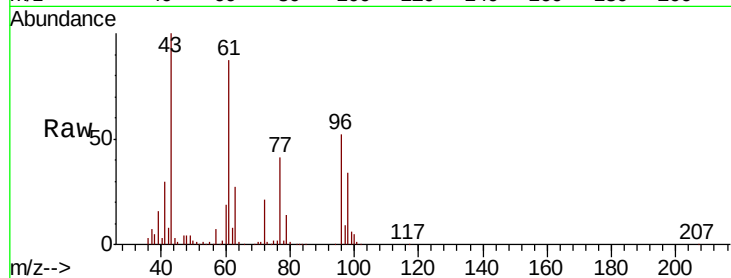
72 20.7 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.964 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012386.D

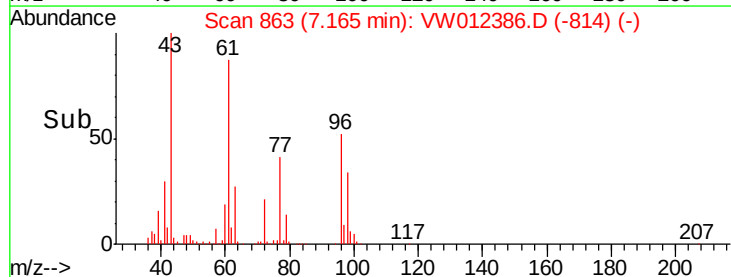
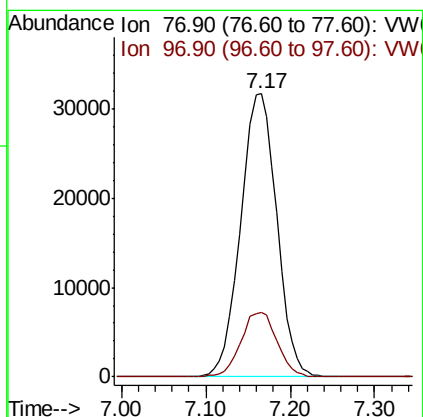
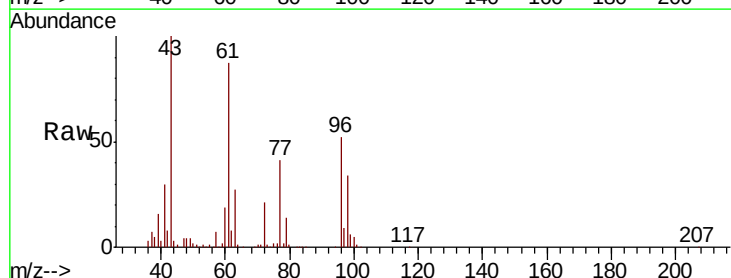
Acq: 31 Aug 2019 08:05

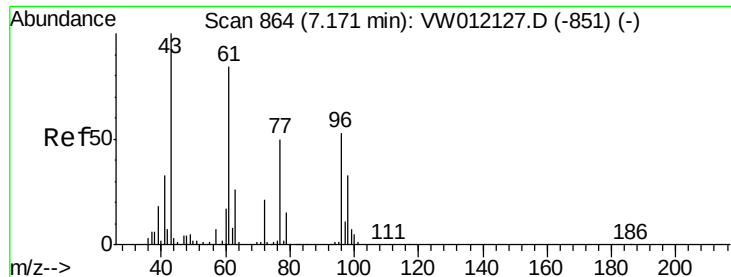
Tgt Ion: 77 Resp: 92084

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.1





#27

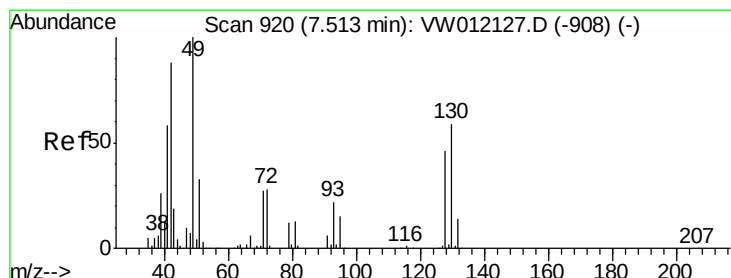
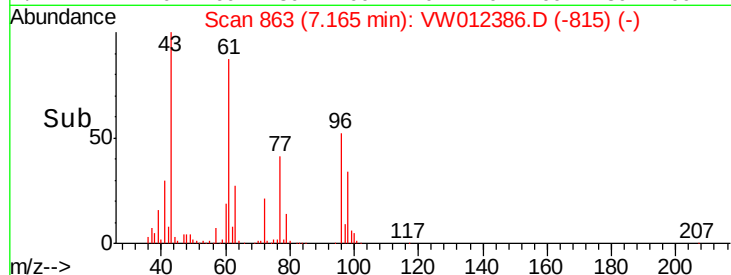
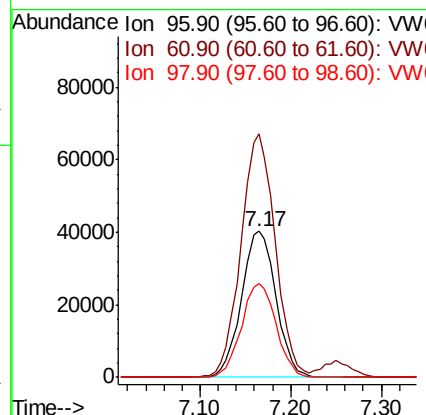
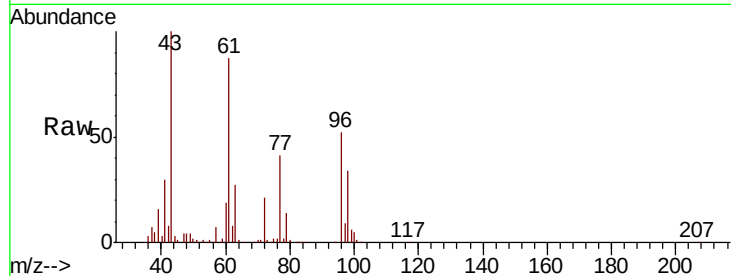
cis-1,2-Dichloroethene
Concen: 56.585 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.3	0.0	326.6	
98	64.4	0.0	127.4	

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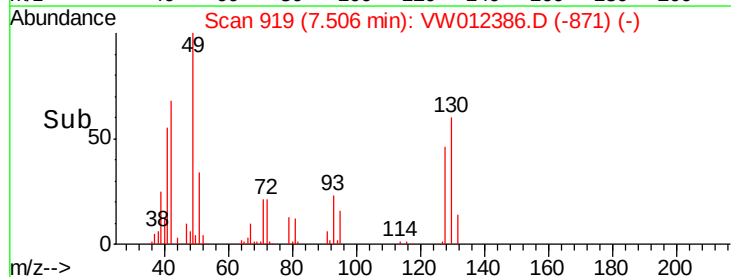
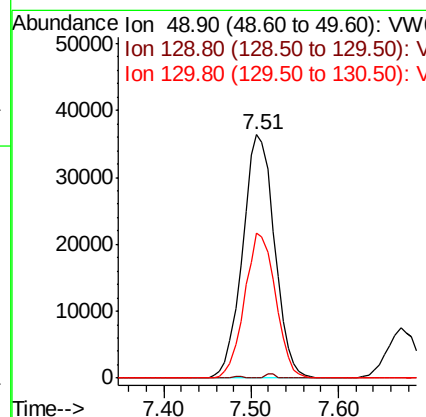
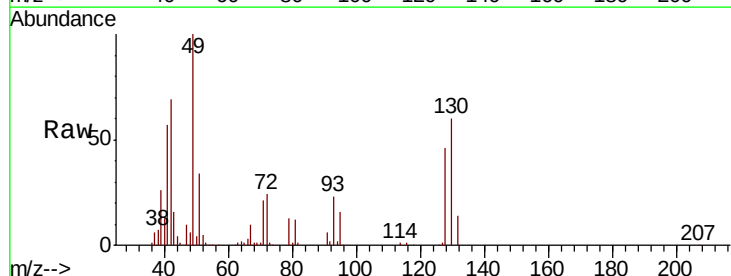
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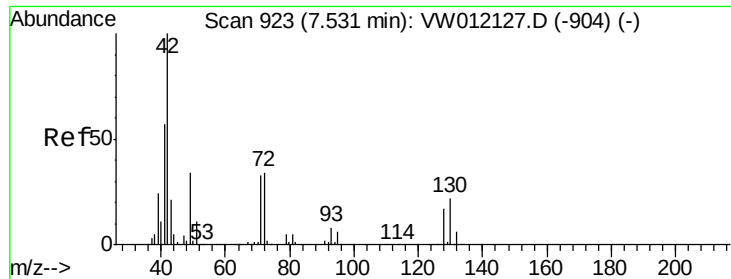


#28

Bromochloromethane
Concen: 59.820 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.2	0.0	1.4	
130	58.1	45.5	68.3	





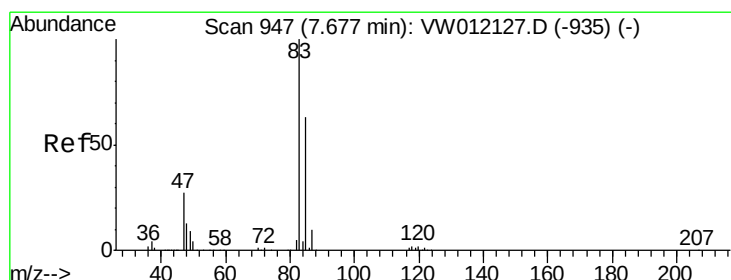
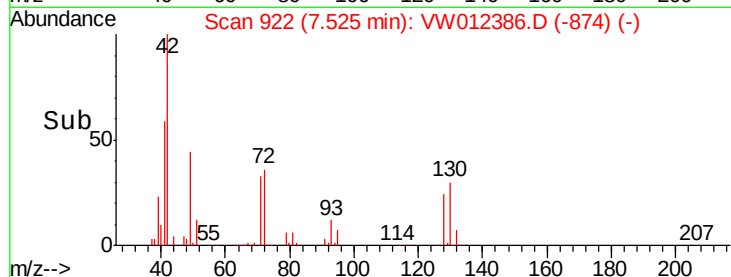
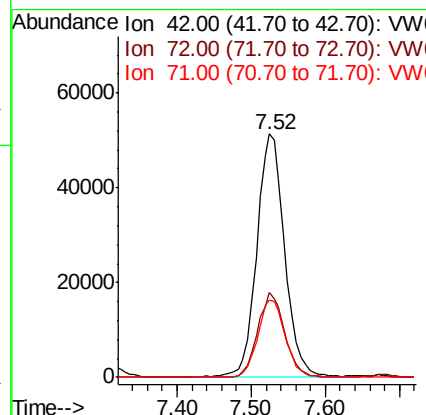
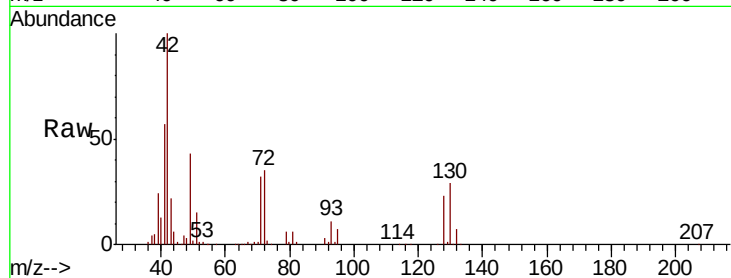
#29
Tetrahydrofuran
Concen: 330.876 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	134061
Ion	Ratio	Lower	Upper
42	100		
72	33.9	27.3	40.9
71	31.7	25.5	38.3

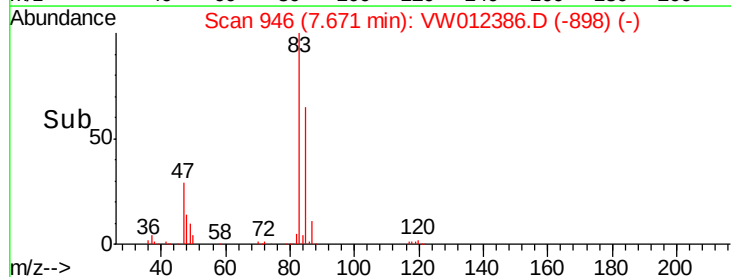
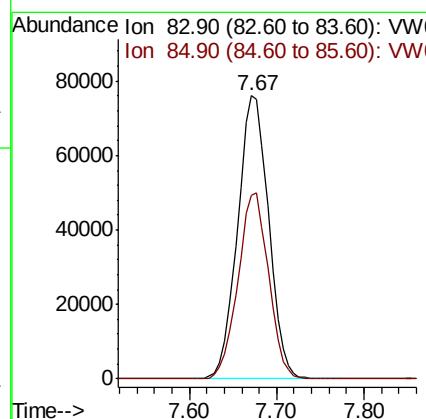
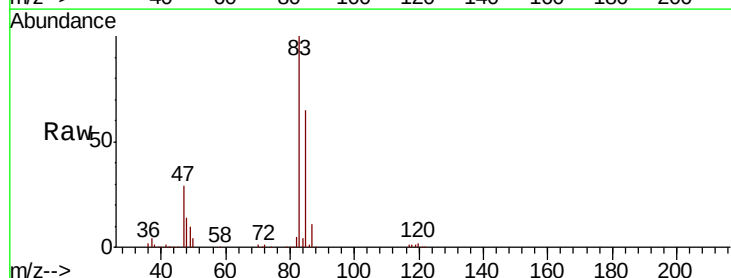
Manual Integrations
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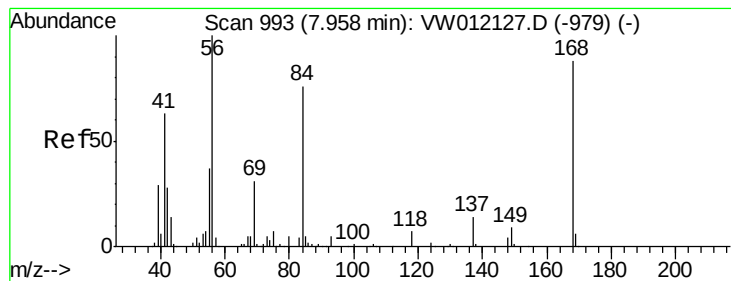
MMDadoda
9/3/2019 2:39:59 AM



#30
Chloroform
Concen: 57.876 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion:	83	Resp:	187418
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0





#31

Cyclohexane

Concen: 47.100 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

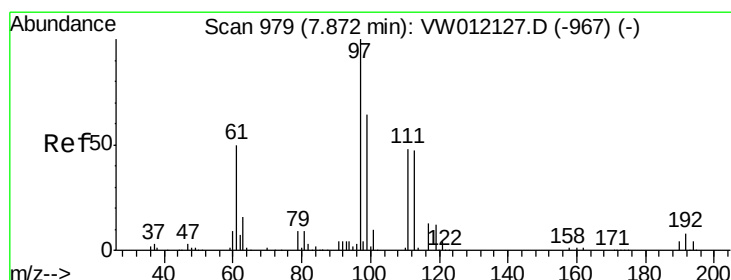
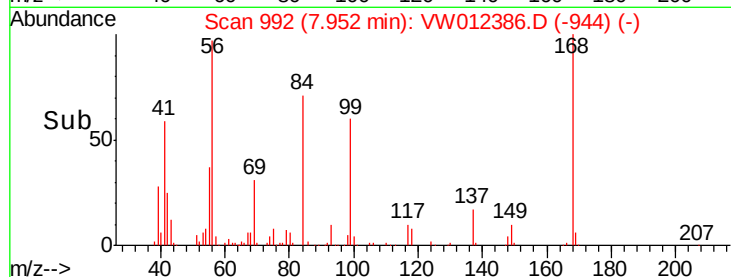
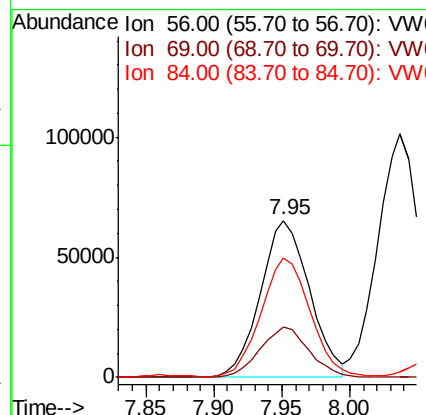
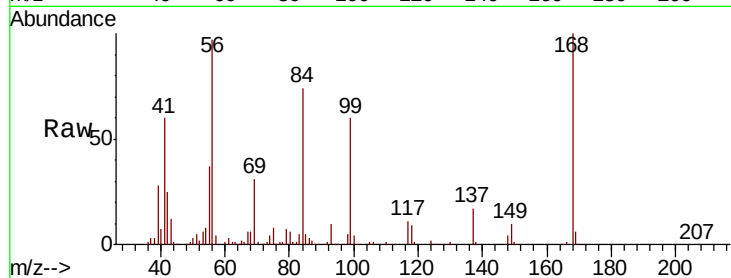
ClientSampleID :

VSTDCCC050EC

Tot Ion:	56	Resp:	164940
Ion Ratio	Lower	Upper	
56	100		
69	32.0	24.9	37.3
84	75.6	60.6	90.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.290 ug/l

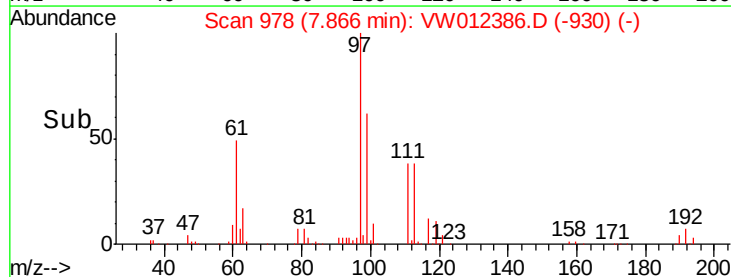
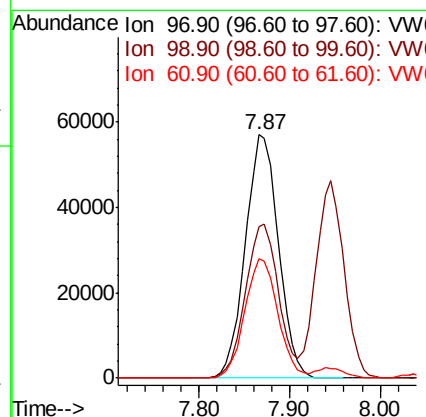
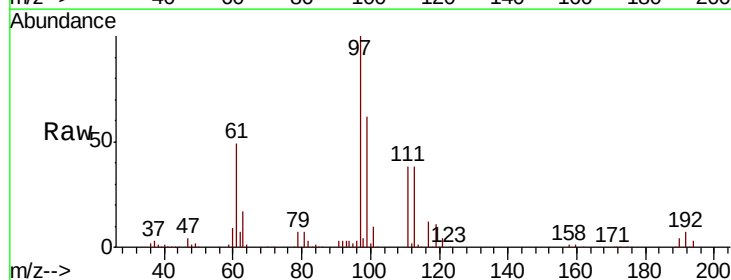
RT: 7.87 min Scan# 978

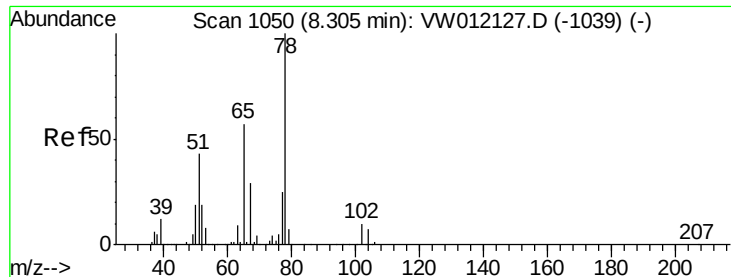
Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion:	97	Resp:	144201
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.4	77.0
61	49.3	39.5	59.3





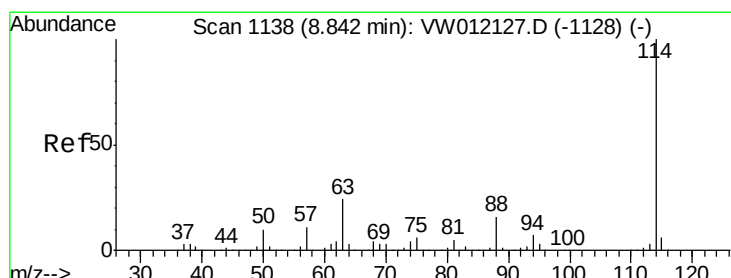
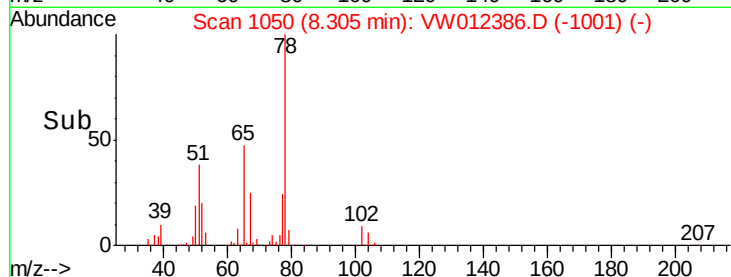
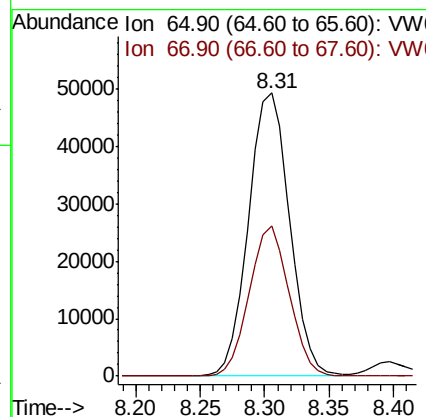
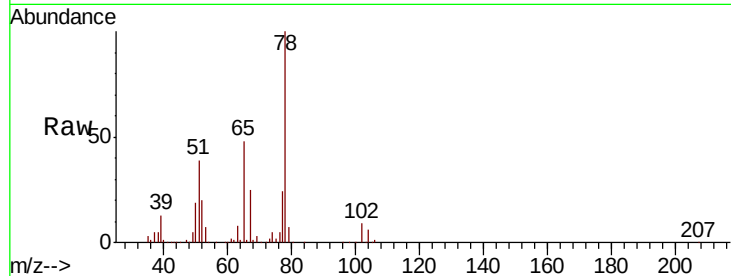
#33
 1,2-Dichloroethane-d4
 Concen: 56.038 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.6

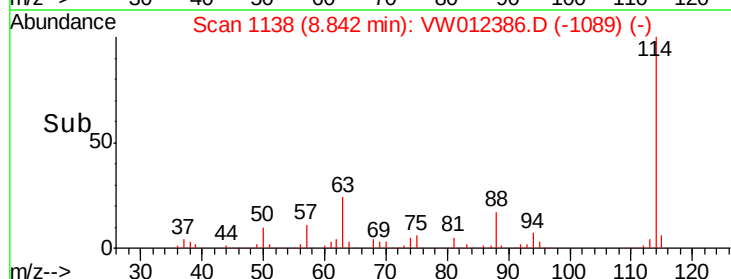
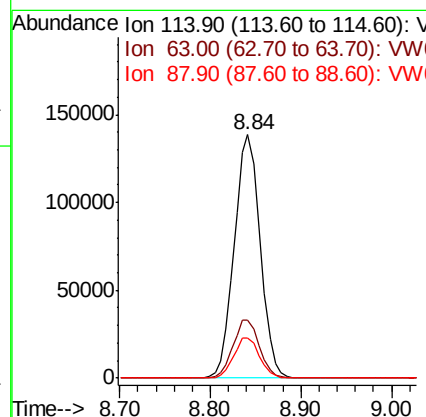
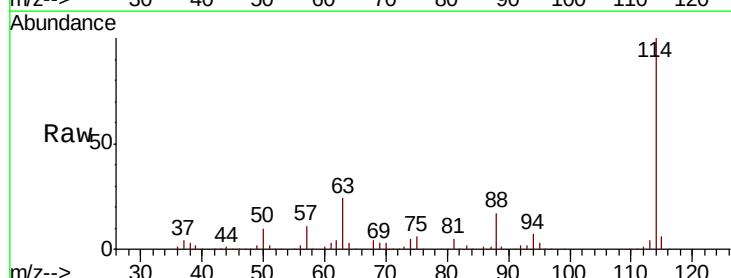
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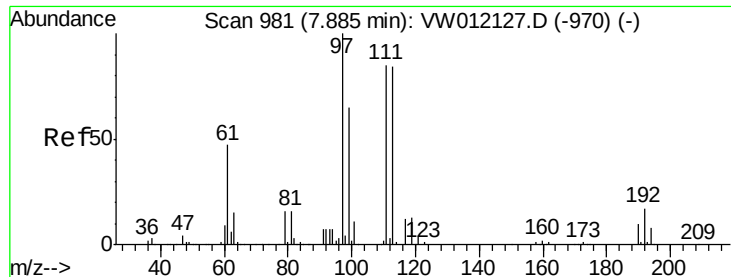
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	48.6
88	16.7	0.0	32.2





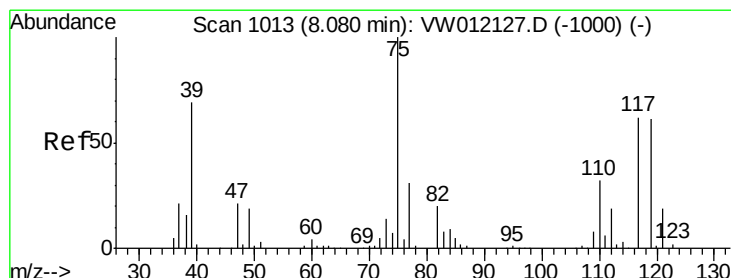
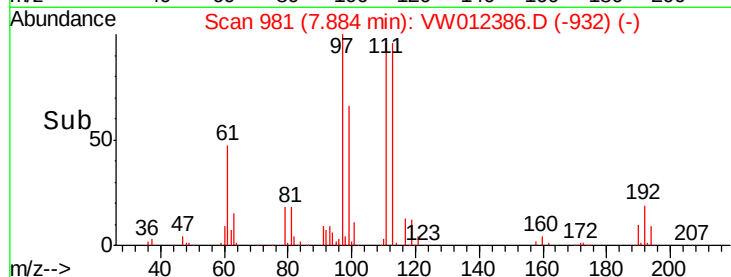
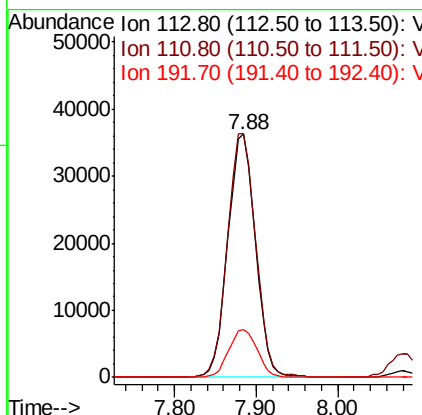
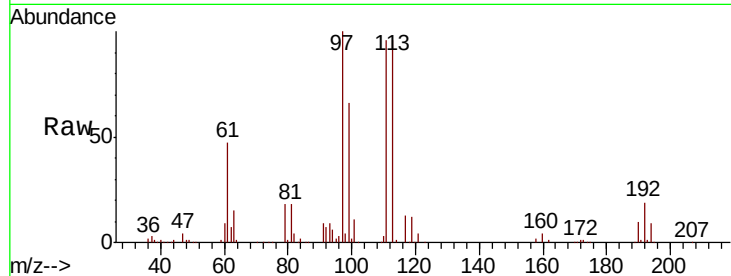
#35
 Dibromofluoromethane
 Concen: 51.616 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	20.3	16.2	24.2

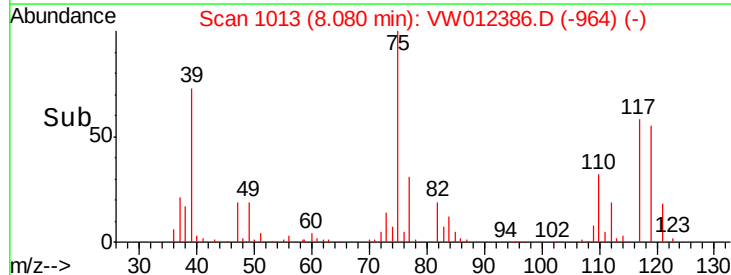
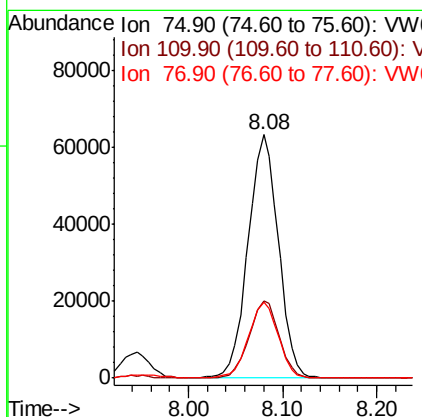
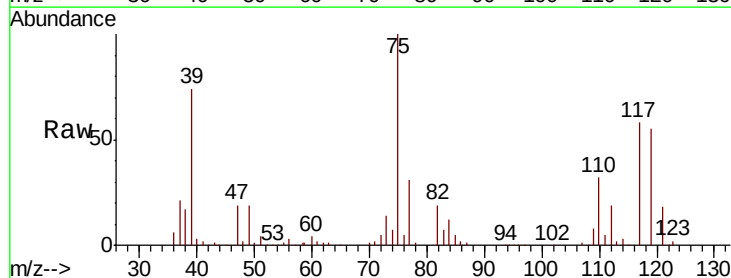
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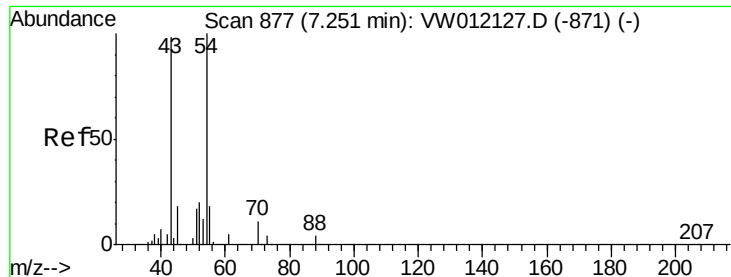
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#36
 1,1-Dichloropropene
 Concen: 50.755 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.6	46.8
77	30.8	24.6	36.8





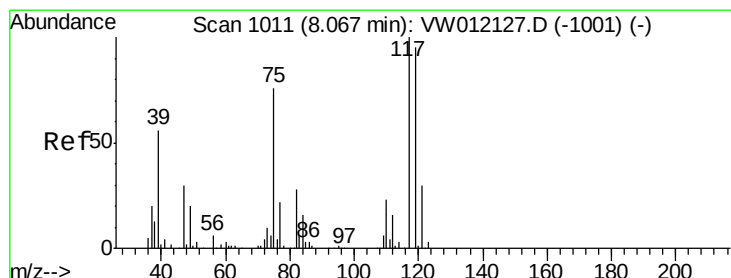
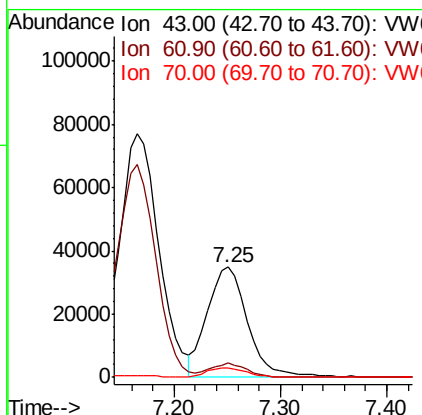
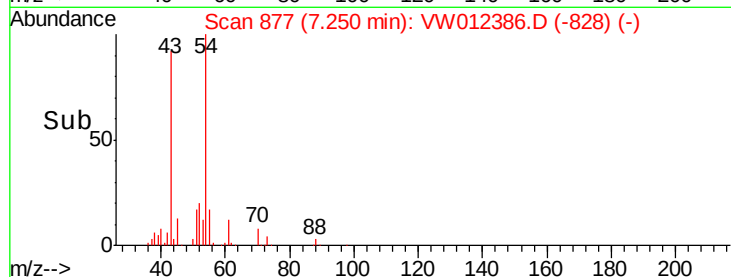
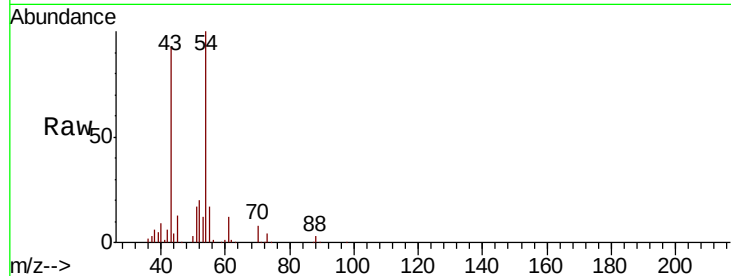
#37
Ethyl Acetate
Concen: 58.176 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	90371
Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.2	13.8
70	8.8	6.9	10.3

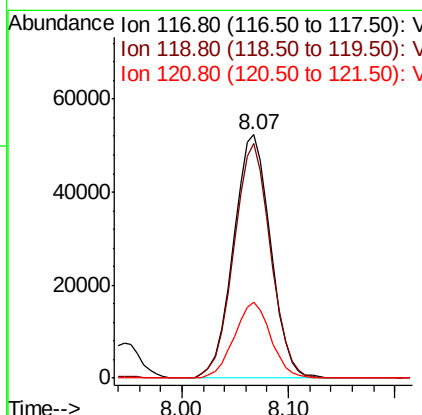
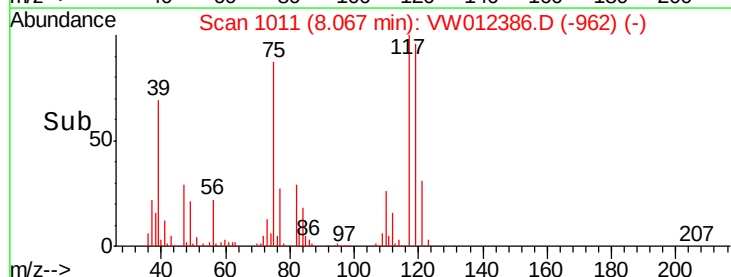
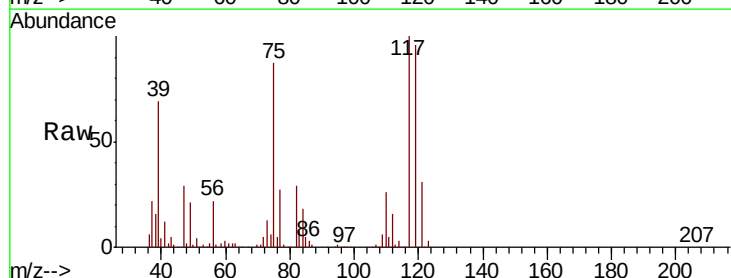
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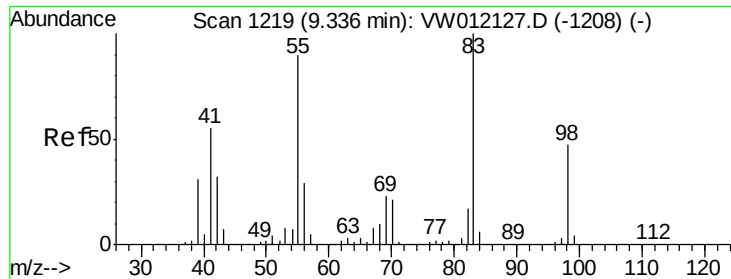
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#38
Carbon Tetrachloride
Concen: 52.272 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	117	Resp	128253
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.2
121	31.1	23.8	35.8





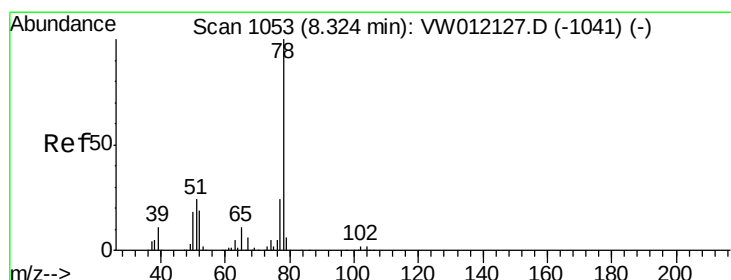
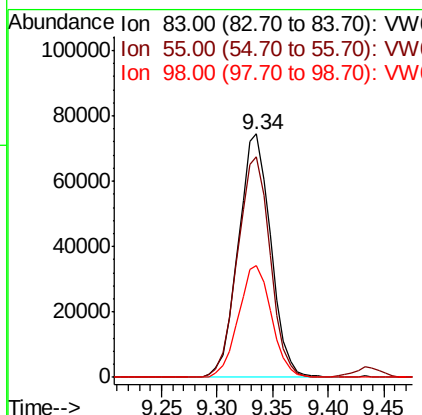
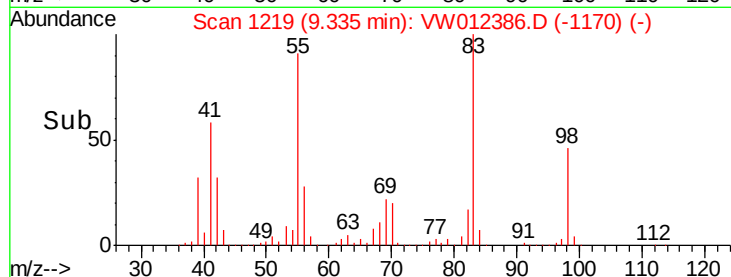
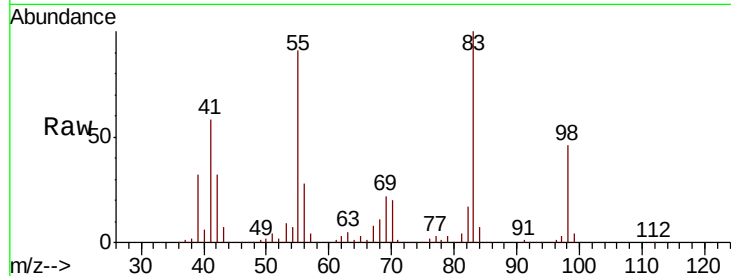
#39
Methylvlcyclohexane
Concen: 47.354 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.7	71.8	107.8
98	46.0	37.8	56.8

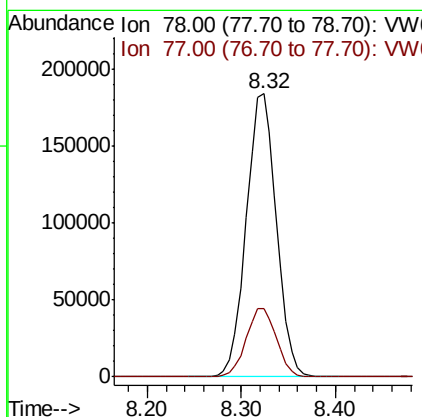
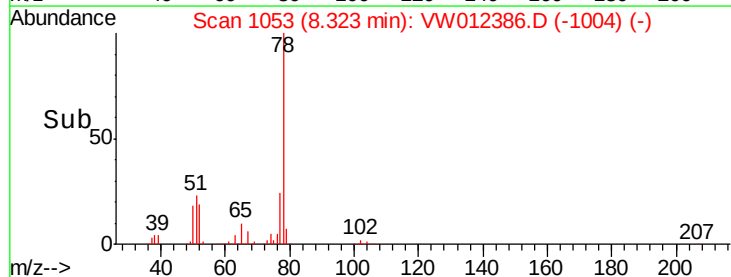
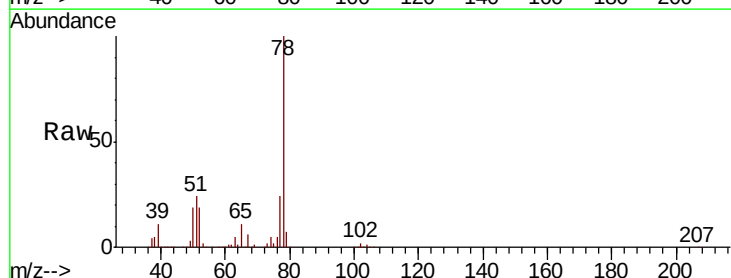
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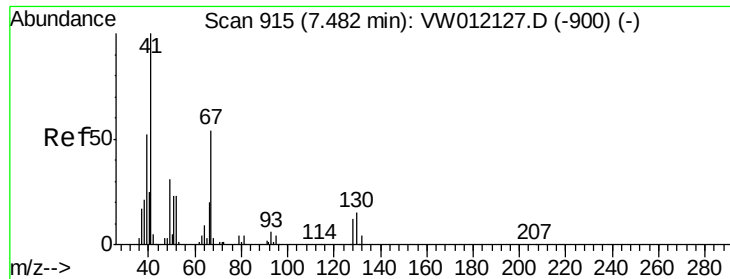
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#40
Benzene
Concen: 53.284 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.5	29.3





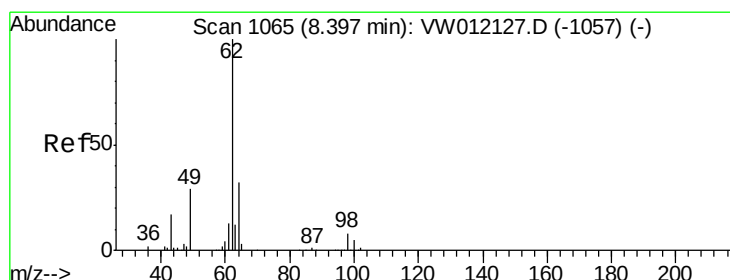
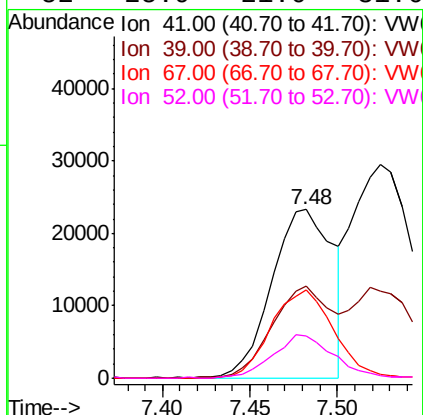
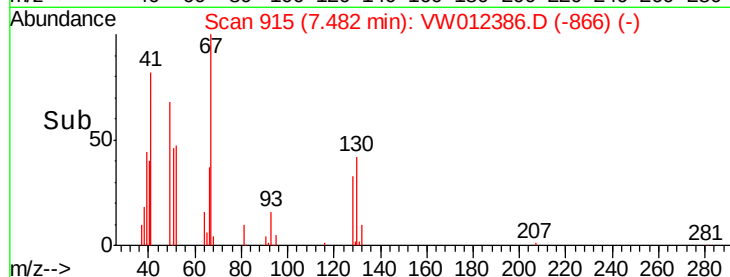
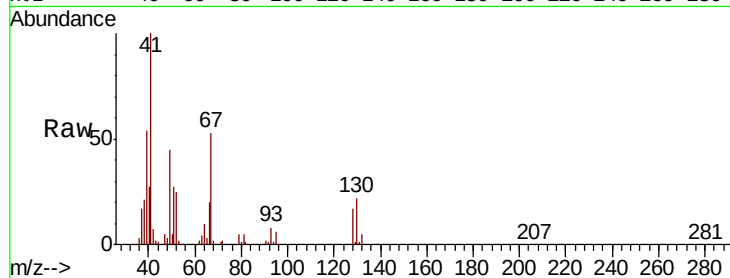
#41
Methacrylonitrile
Concen: 62.354 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.2	45.8	68.8
67	54.2	46.2	69.4
52	25.9	21.0	31.6

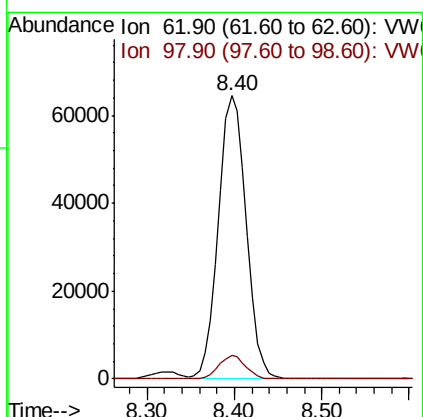
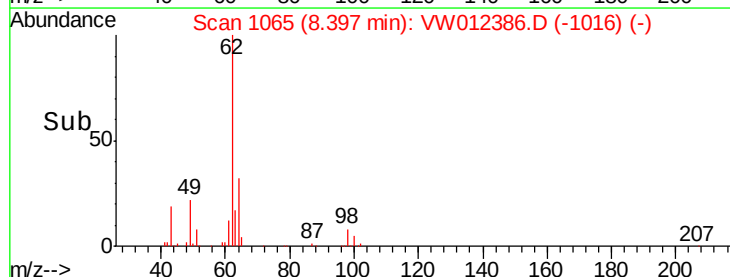
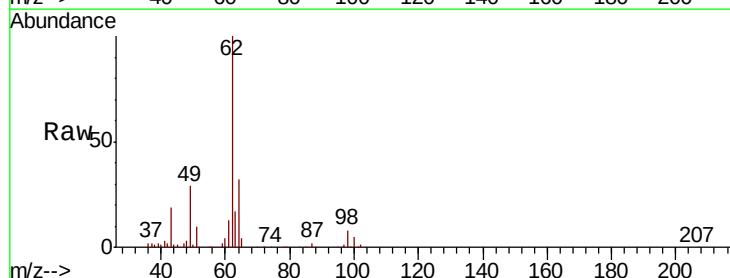
Manual Integrations
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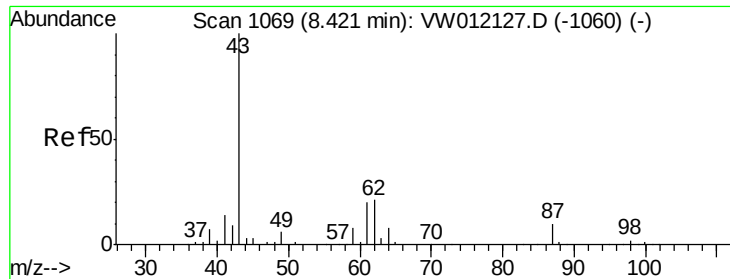
MMDadoda
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#42
1,2-Dichloroethane
Concen: 58.689 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 58.403 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 168049

Ion Ratio Lower Upper

43 100

61 26.3 21.1 31.7

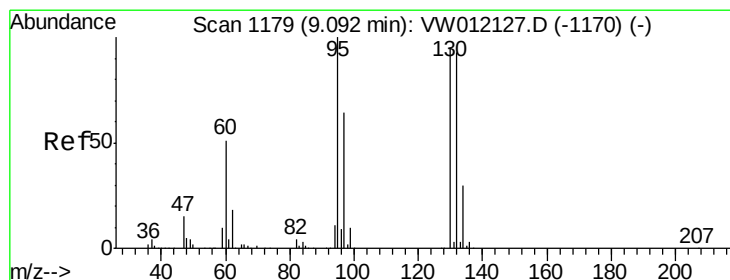
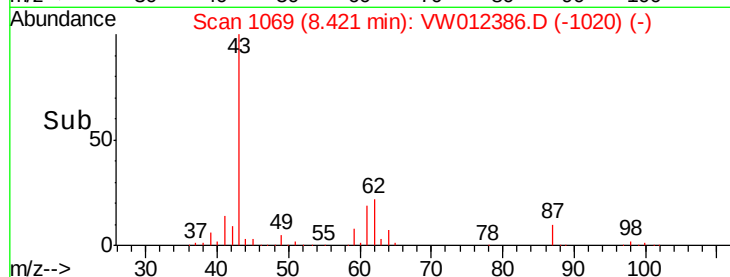
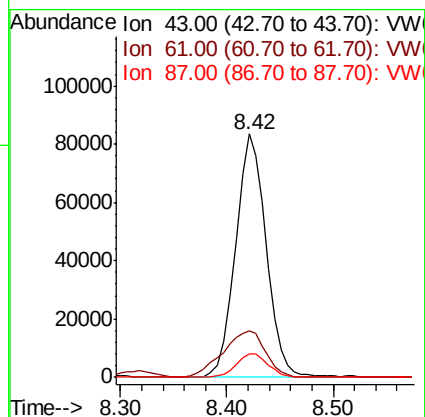
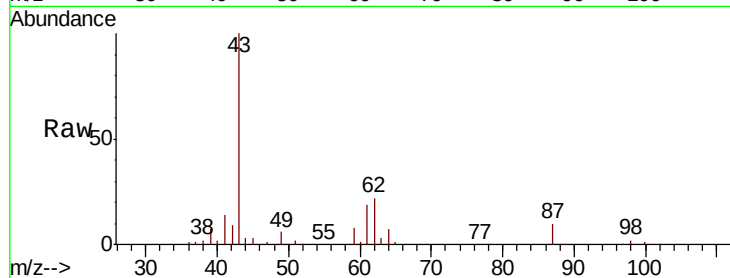
87 10.1 8.2 12.2

Manual Integrations

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#44

Trichloroethene

Concen: 52.450 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012386.D

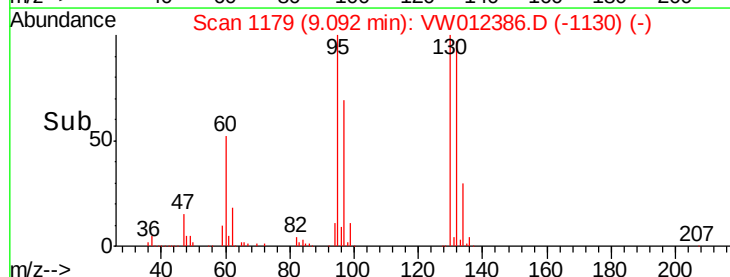
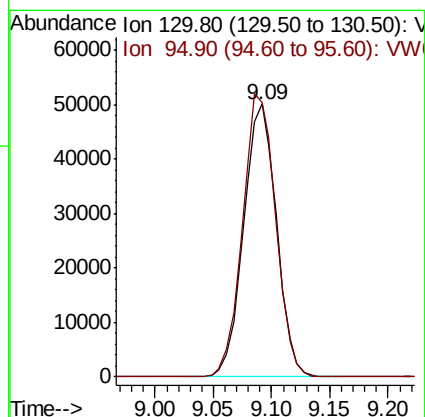
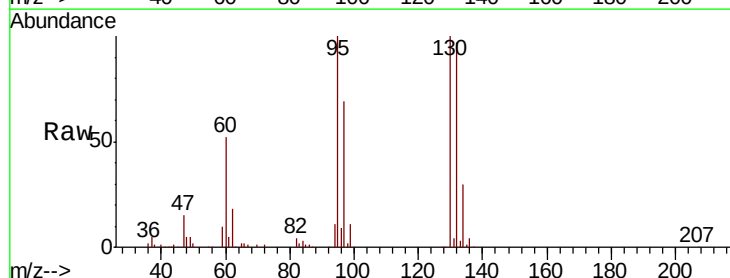
Acq: 31 Aug 2019 08:05

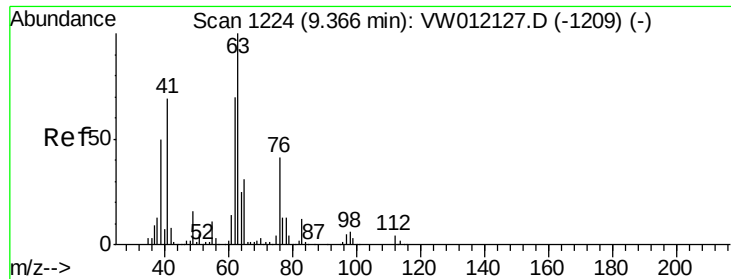
Tgt Ion:130 Resp: 98695

Ion Ratio Lower Upper

130 100

95 100.4 0.0 210.6





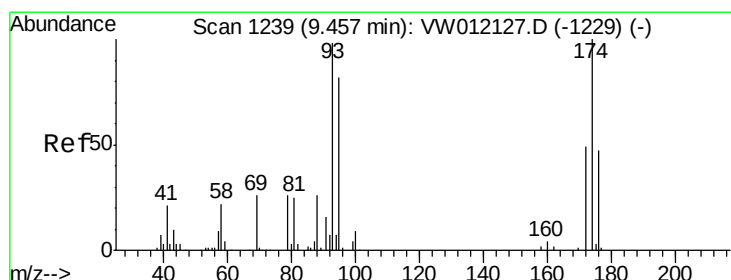
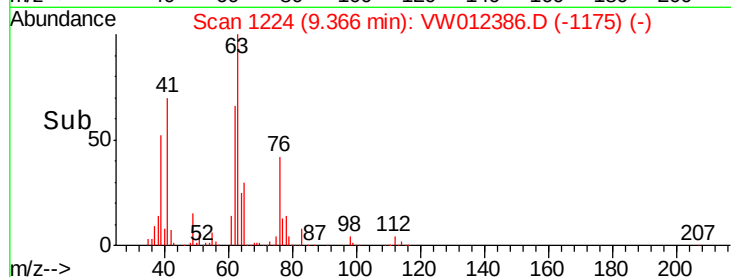
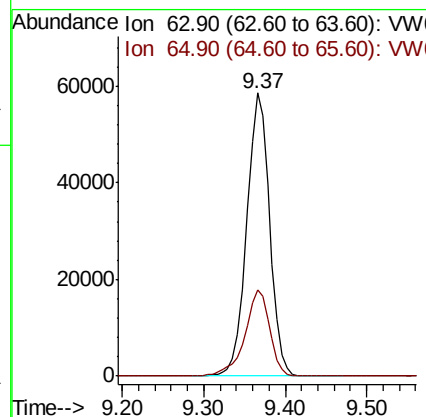
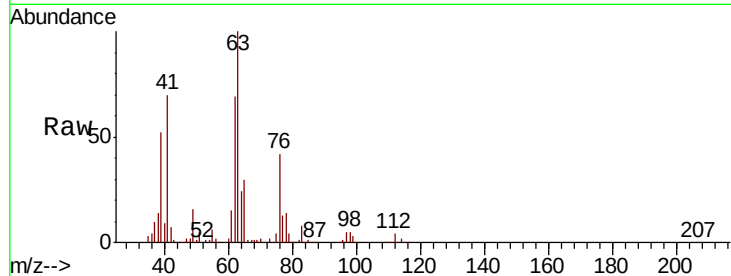
#45
 1,2-Dichloropropane
 Concen: 54.633 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.0	37.4

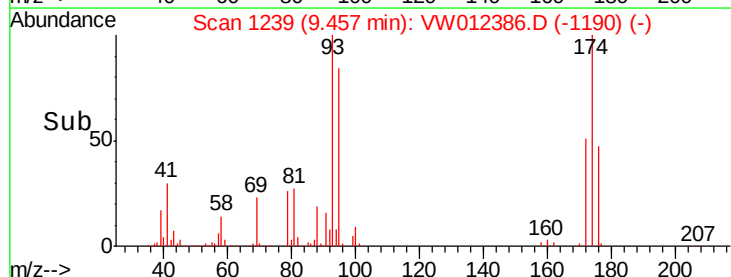
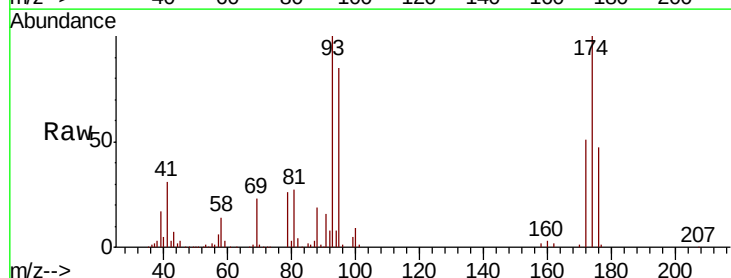
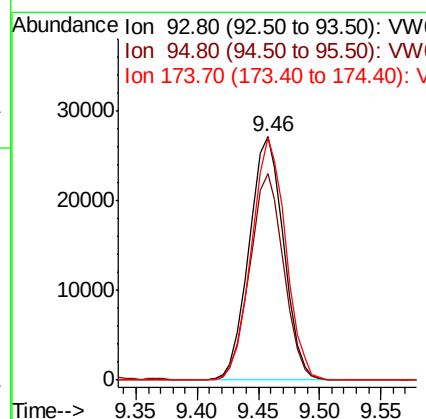
Manual Integrations
 APPROVED

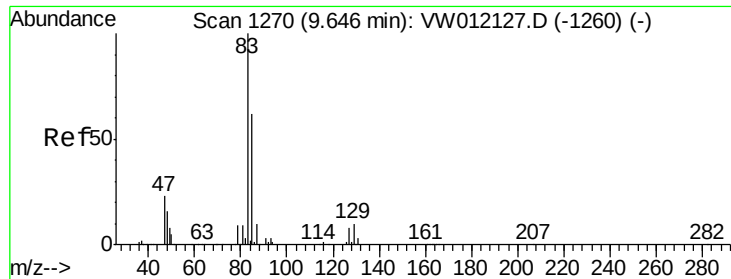
MMDadoda
 9/3/2019 2:39:59 AM



#46
 Dibromomethane
 Concen: 57.664 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.2	100.8
174	98.8	79.0	118.6





#47

Bromodichloromethane

Concen: 56.401 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

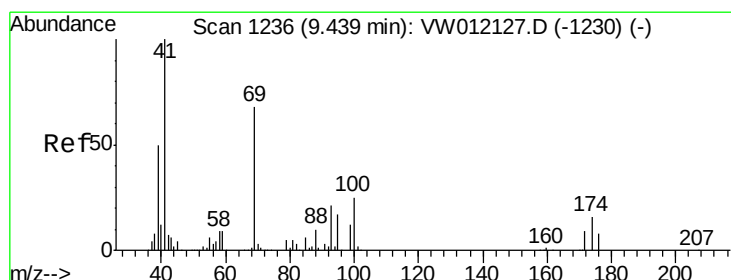
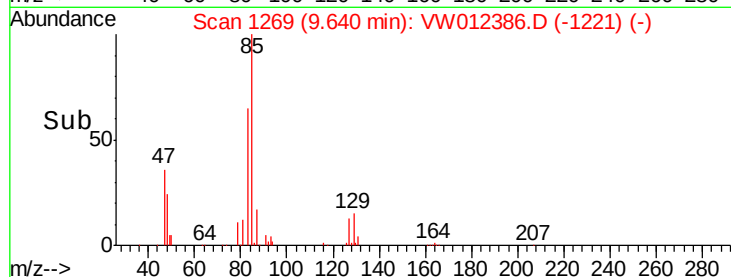
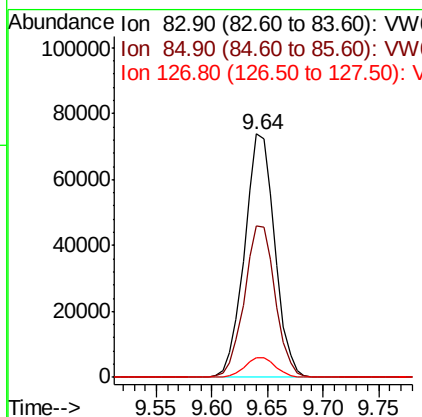
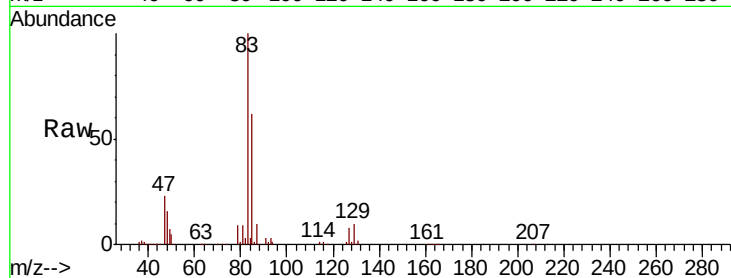
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	139131
Ion Ratio	Lower	Upper	
83	100		
85	62.4	49.4	74.2
127	8.2	6.1	9.1

Manual Integrations
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MMDadoda
9/3/2019 2:39:59 AM



#48

Methyl methacrylate

Concen: 61.035 ug/l

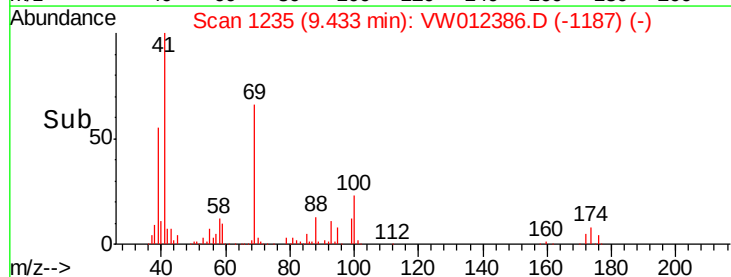
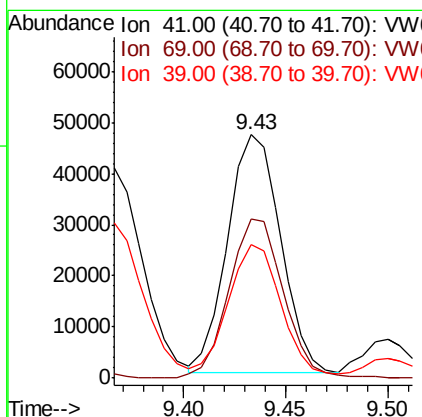
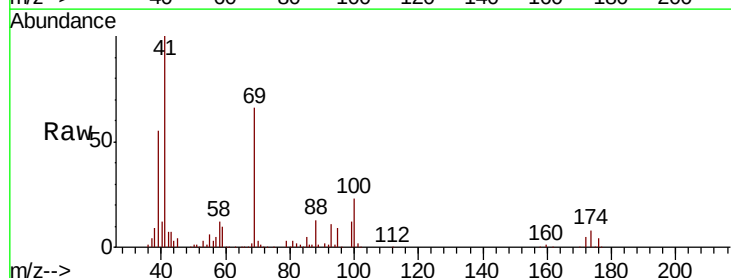
RT: 9.43 min Scan# 1235

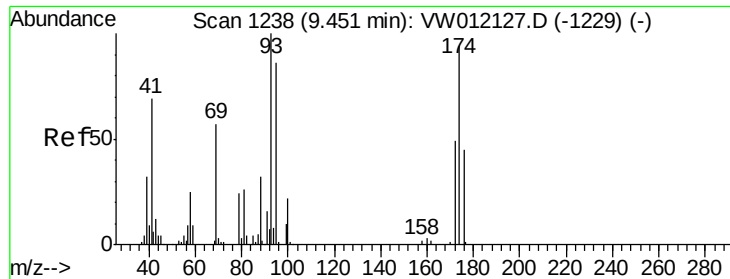
Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion:	41	Resp:	83587
Ion Ratio	Lower	Upper	
41	100		
69	69.5	56.7	85.1
39	56.9	42.0	63.0





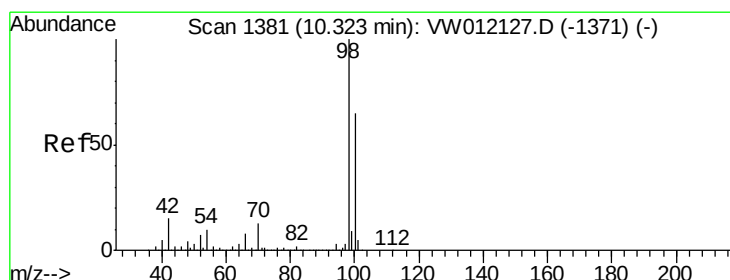
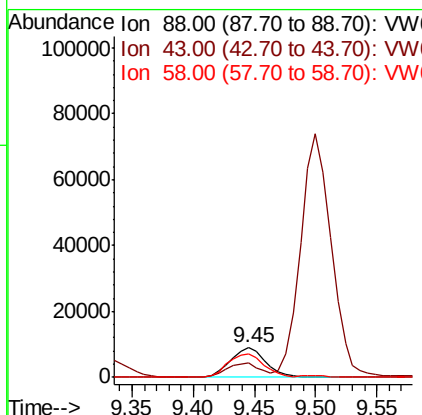
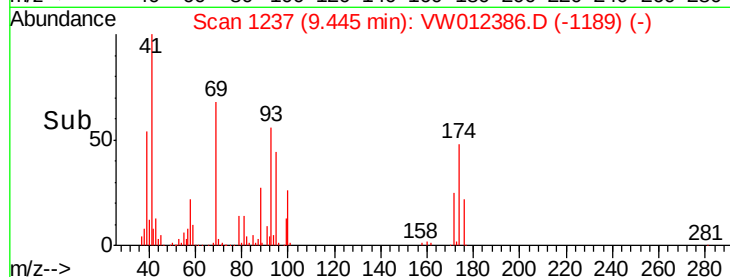
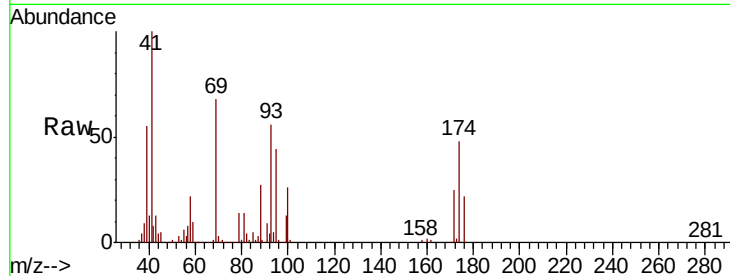
#49
1,4-Dioxane
Concen: 1277.286 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.9	32.9	49.3
58	86.3	71.0	106.4

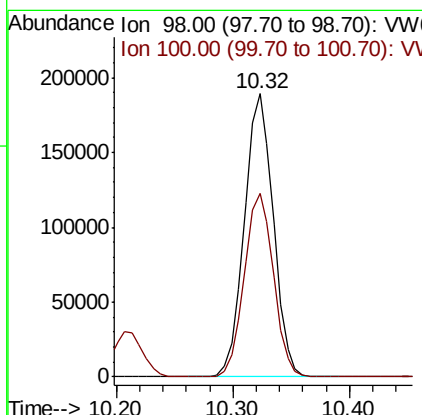
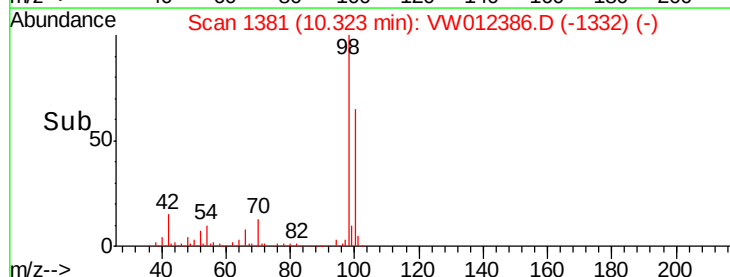
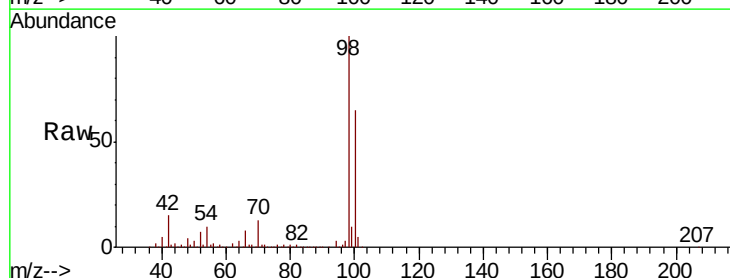
Manual Integrations
APPROVED

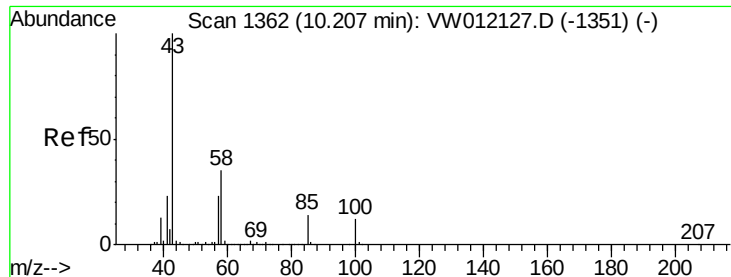
MMDadoda
9/3/2019 2:39:59 AM



#50
Toluene-d8
Concen: 49.461 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





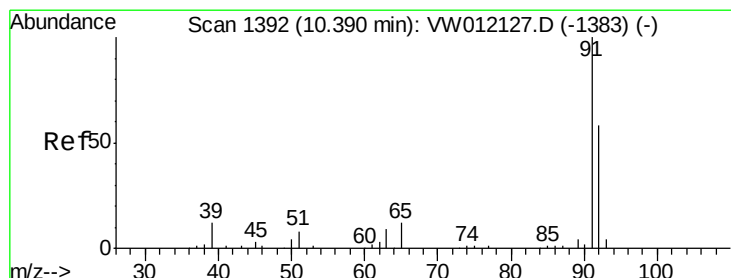
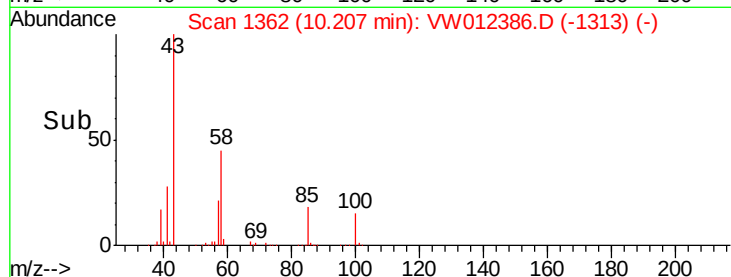
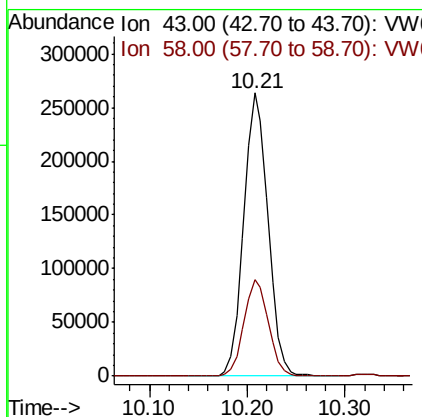
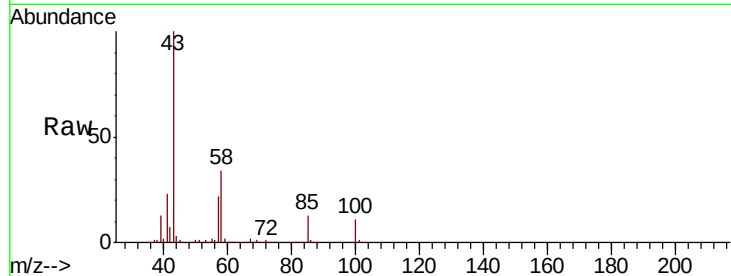
#51
4-Methyl-2-Pentanone
Concen: 309.496 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	452957
Ion	Ratio	Lower	Upper
43	100		
58	34.5	28.2	42.2

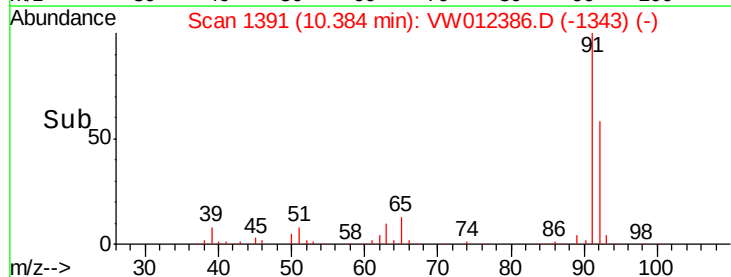
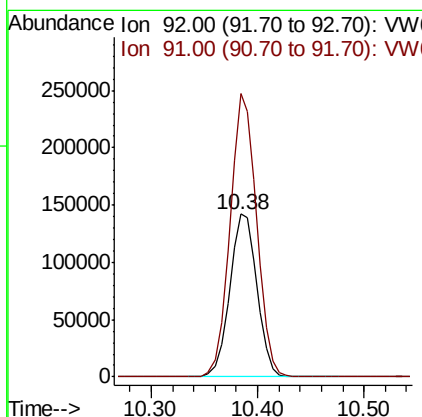
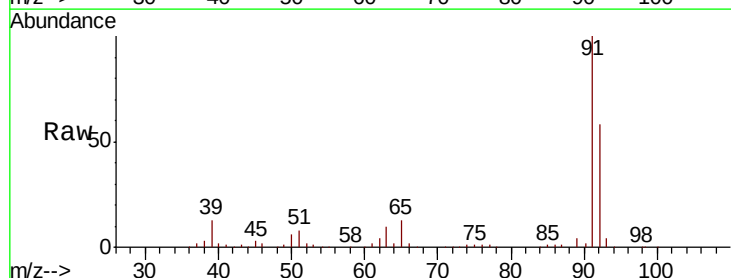
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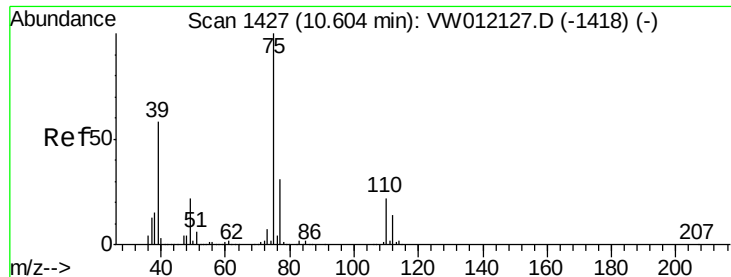
MMDadoda
9/3/2019 2:39:59 AM



#52
Toluene
Concen: 54.544 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	92	Resp	253635
Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.6	204.8





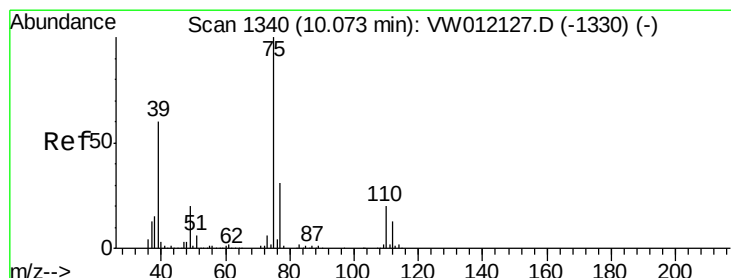
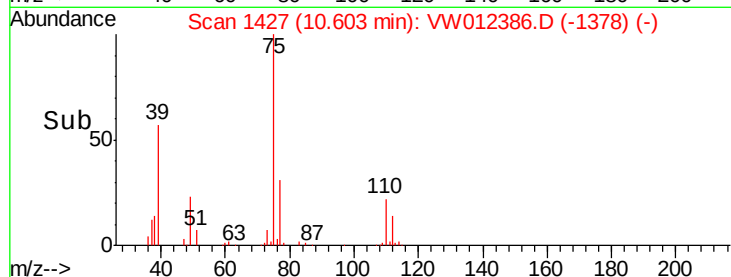
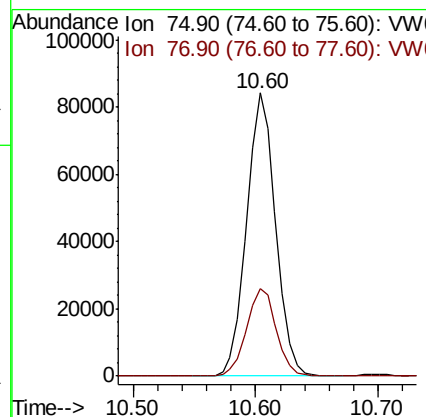
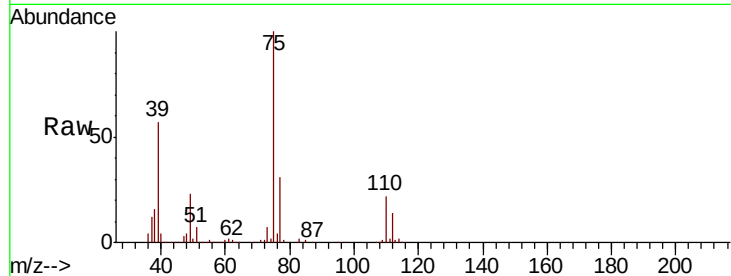
#53
t-1,3-Dichloropropene
Concen: 55.012 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 138233
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.4

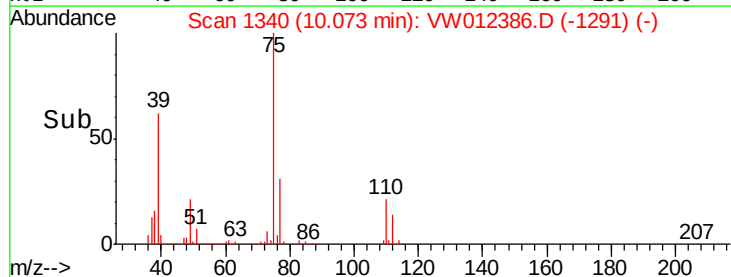
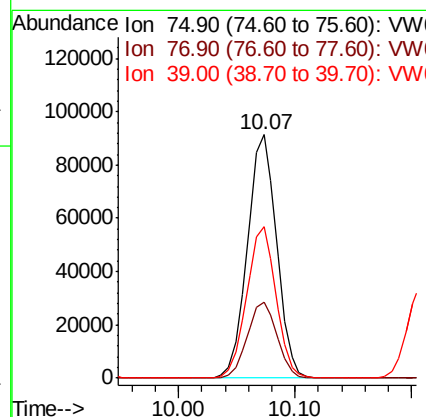
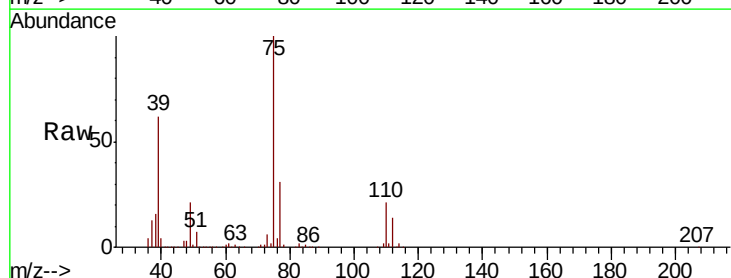
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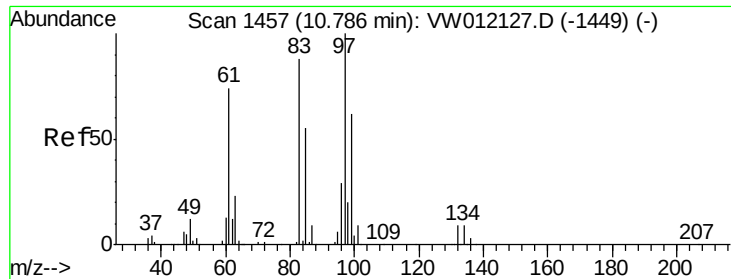
MMDadoda
9/3/2019 2:39:59 AM



#54
cis-1,3-Dichloropropene
Concen: 52.969 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion: 75 Resp: 160709
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7
39 61.9 48.3 72.5





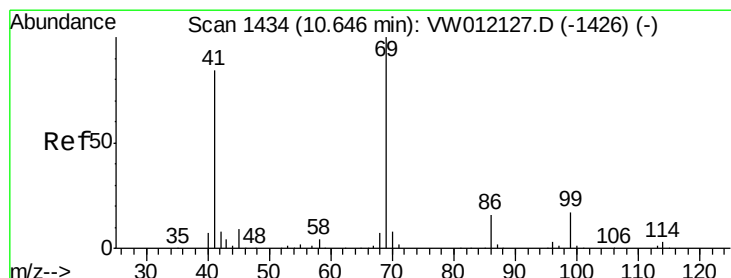
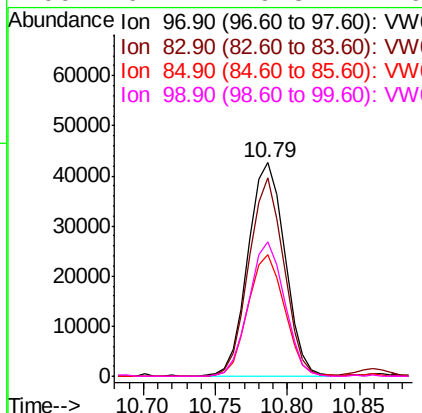
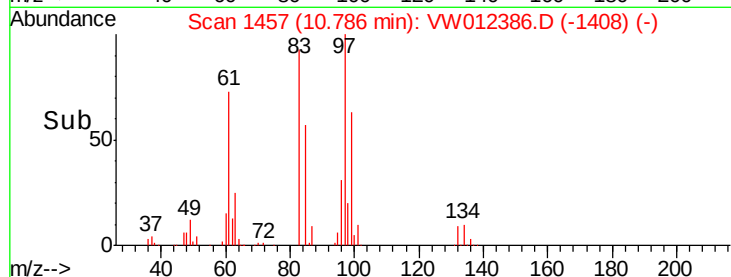
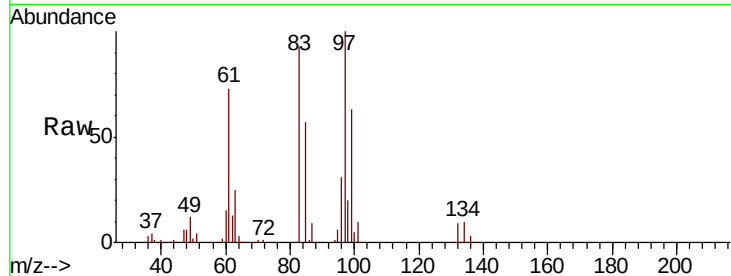
#55
 1,1,2-Trichloroethane
 Concen: 57.597 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	75533
Ion	Ratio	Lower	Upper
97	100		
83	93.1	70.8	106.2
85	57.1	43.8	65.8
99	62.7	49.8	74.6

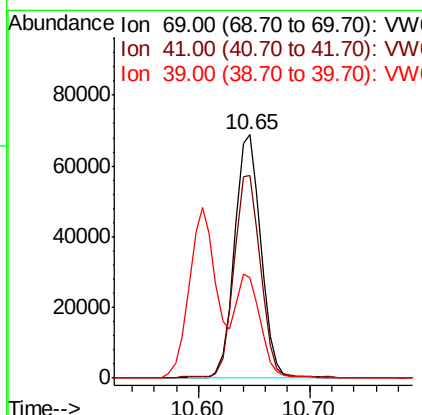
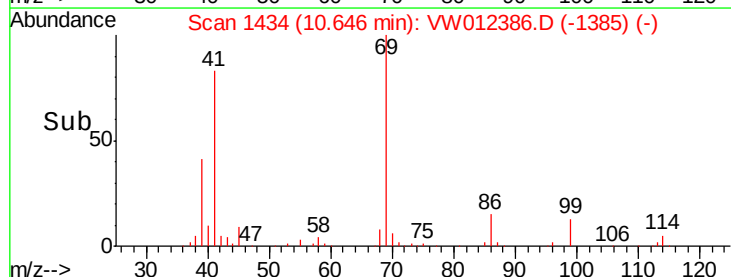
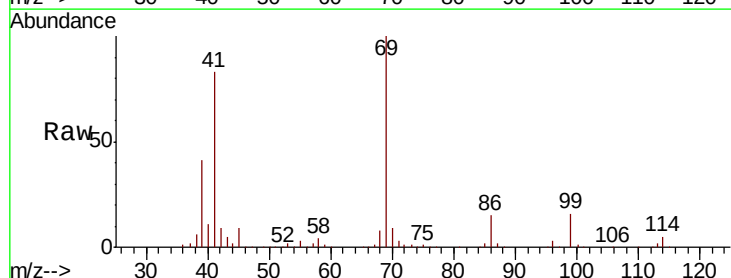
Manual Integrations
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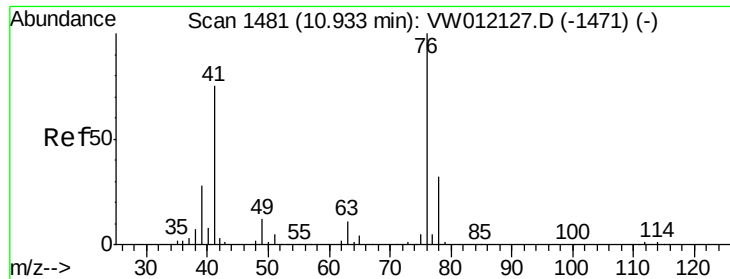
MMDadoda
 9/3/2019 2:39:59 AM



#56
 Ethyl methacrylate
 Concen: 58.873 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion:	69	Resp:	112368
Ion	Ratio	Lower	Upper
69	100		
41	85.5	66.5	99.7
39	38.6	31.0	46.4





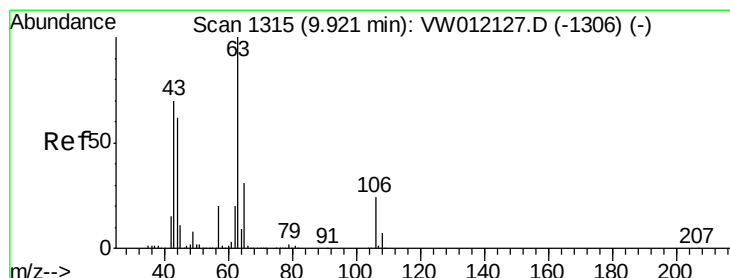
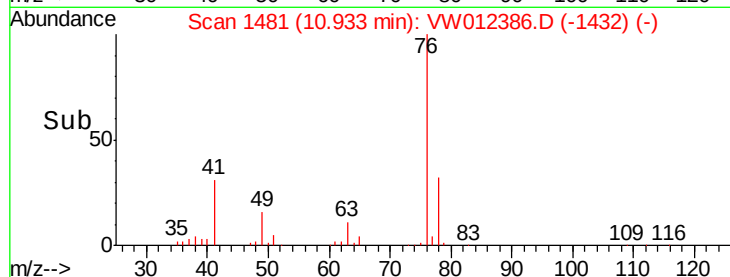
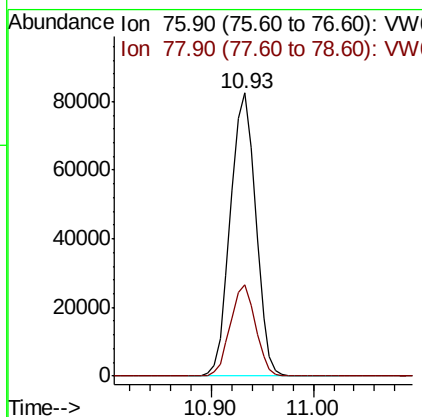
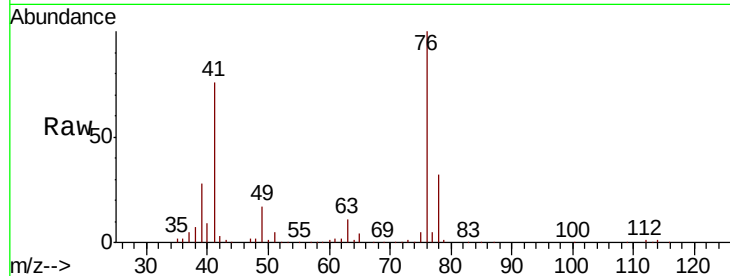
#57
 1,3-Dichloropropane
 Concen: 57.316 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

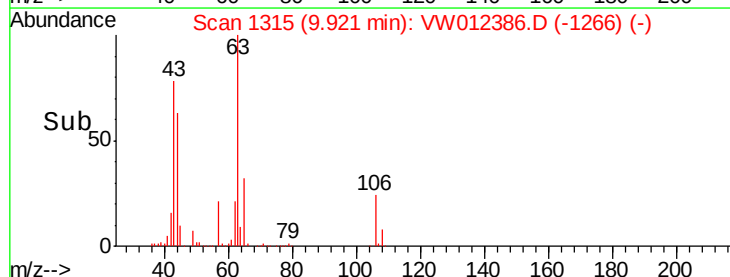
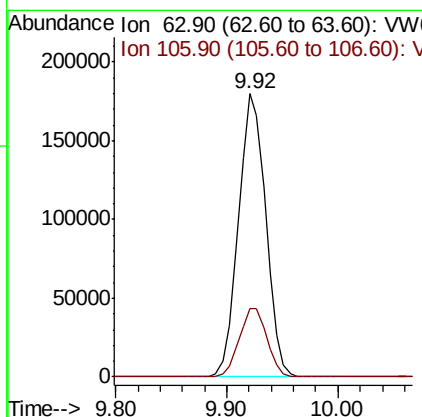
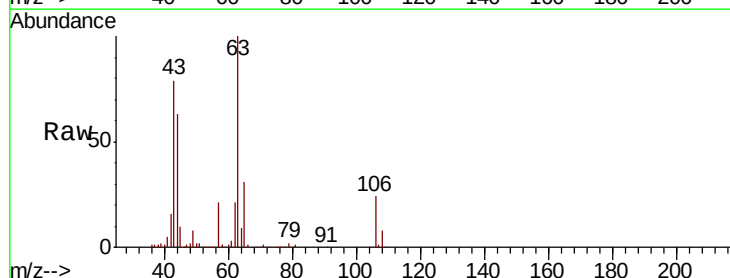
Manual Integrations
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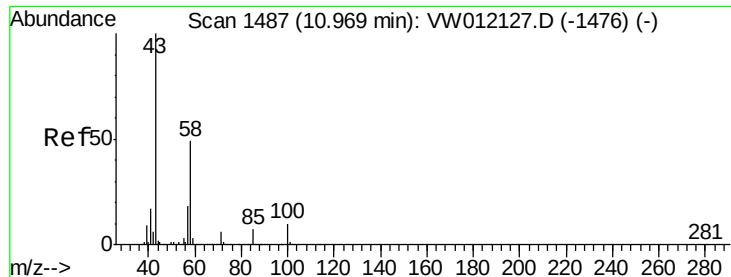
MMDadoda
 9/3/2019 2:39:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 312.014 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	19.8	29.8





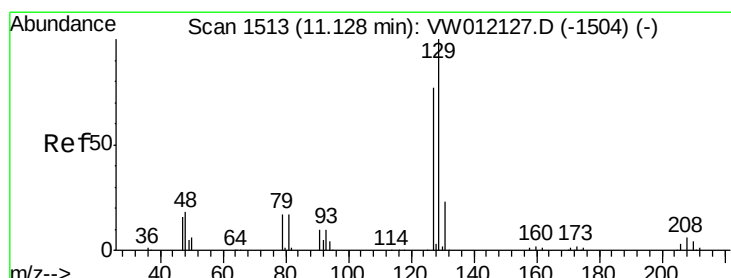
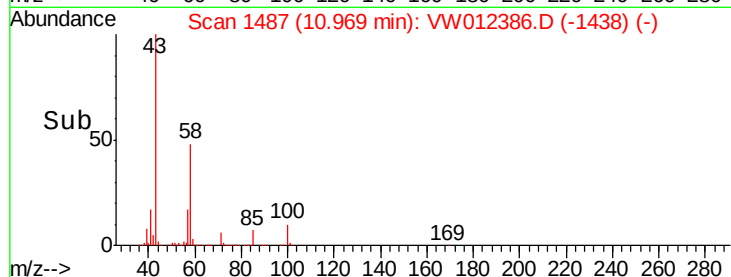
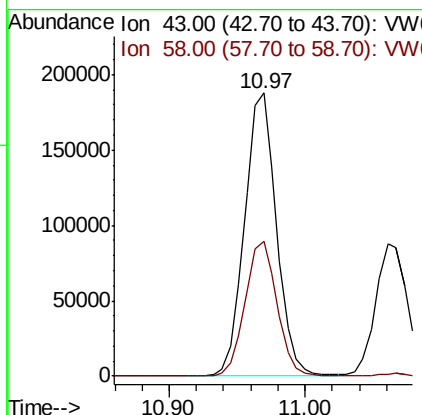
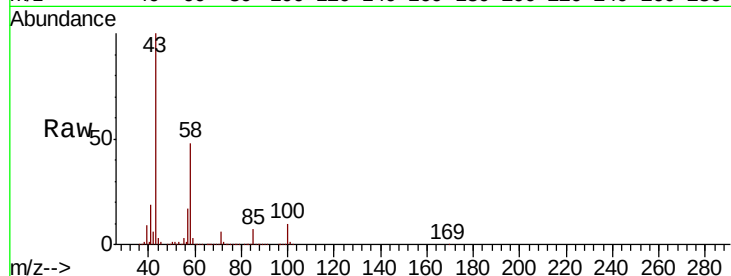
#59
2-Hexanone
Concen: 297.011 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.9	24.3	72.9

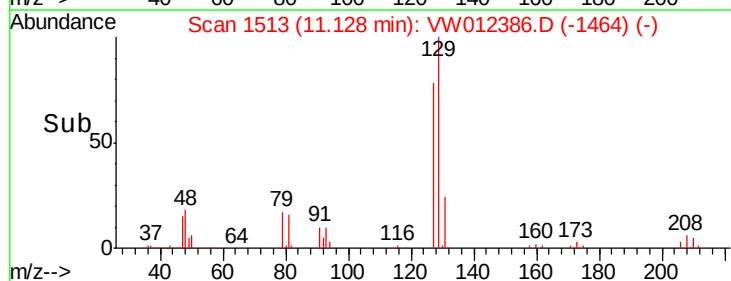
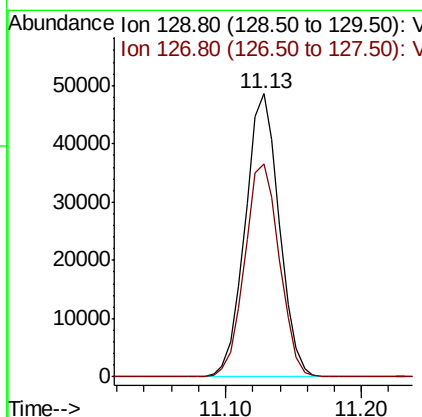
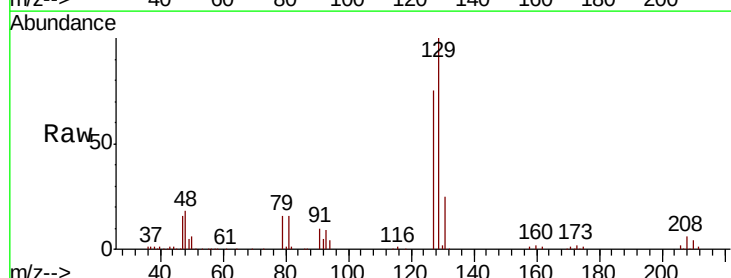
Manual Integrations
APPROVED

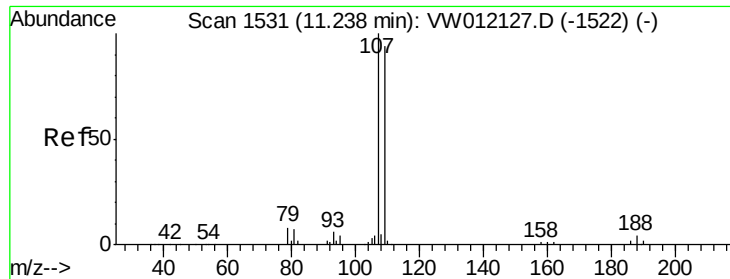
MMDadoda
9/3/2019 2:39:59 AM



#60
Dibromochloromethane
Concen: 58.284 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.8





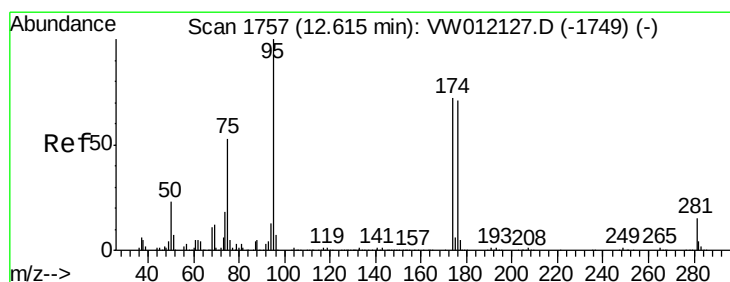
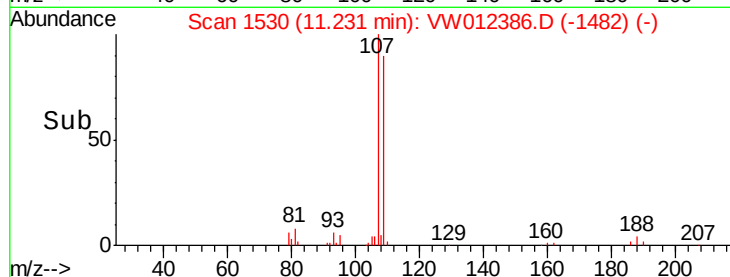
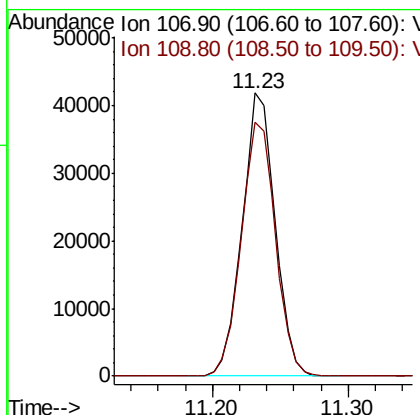
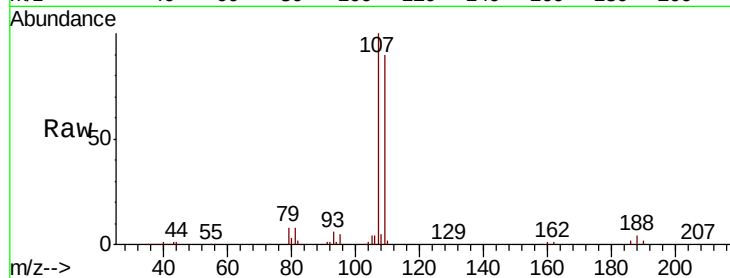
#61
 1,2-Dibromoethane
 Concen: 58.045 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.2

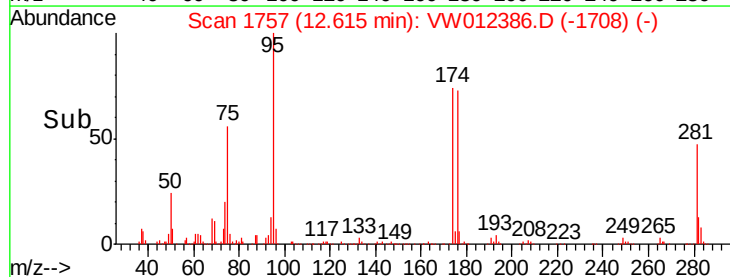
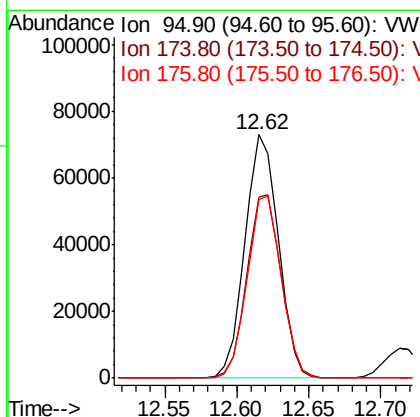
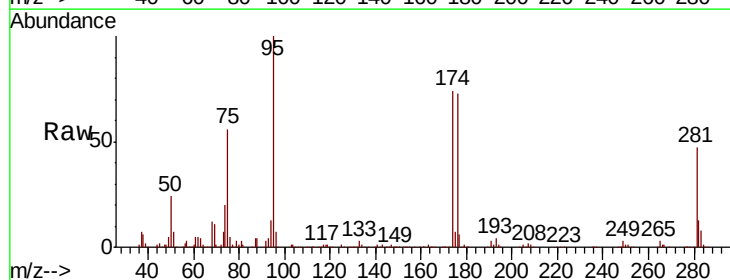
Manual Integrations
 APPROVED

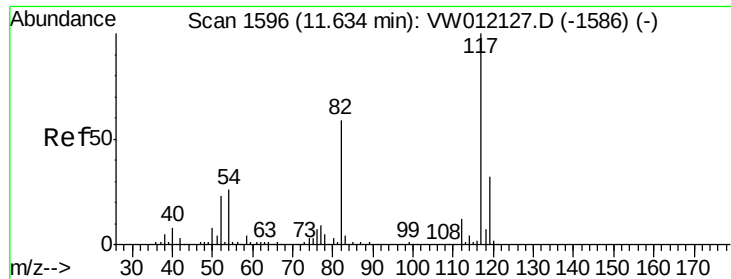
MMDadoda
 9/3/2019 2:39:59 AM



#62
 4-Bromofluorobenzene
 Concen: 50.026 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	150.8
176	75.6	0.0	148.6





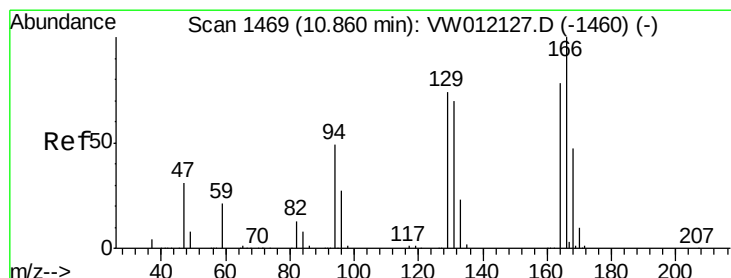
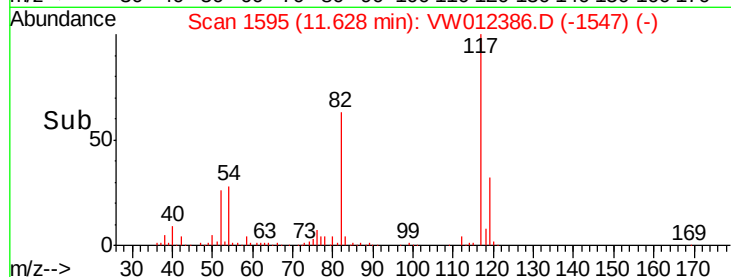
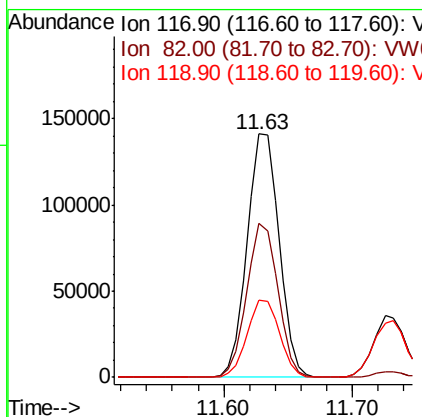
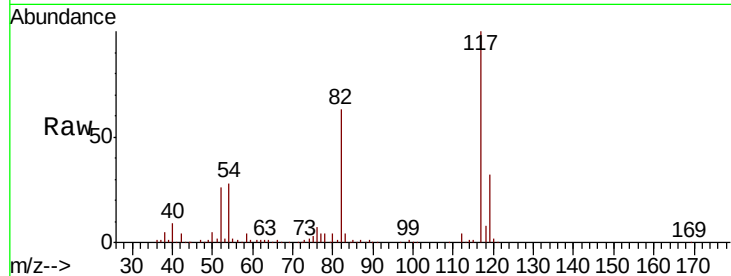
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	47.4	71.2
119	31.5	25.4	38.2

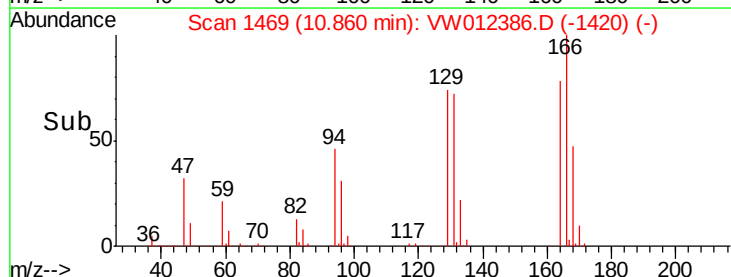
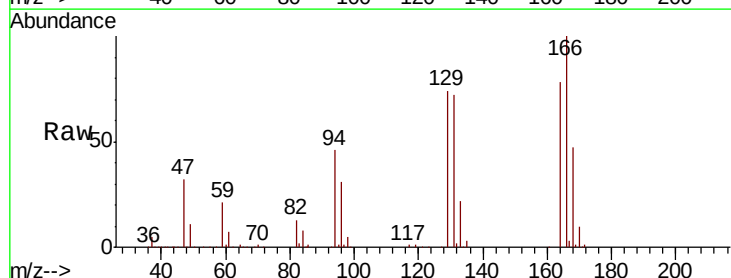
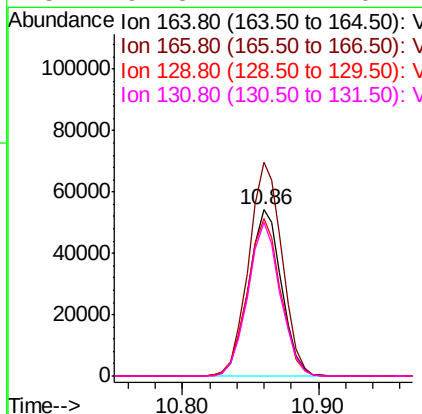
Manual Integrations
APPROVED

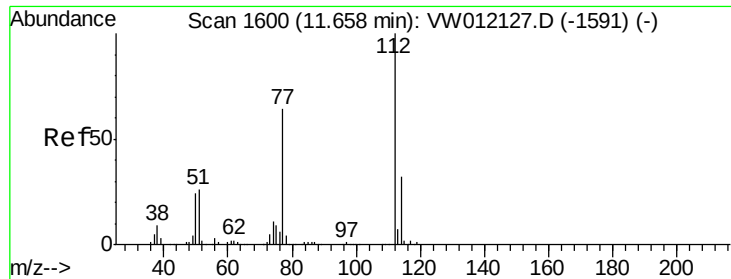
MMDadoda
9/3/2019 2:39:59 AM



#64
Tetrachloroethene
Concen: 58.983 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.4	153.6
129	95.0	75.8	113.6
131	92.8	71.4	107.2





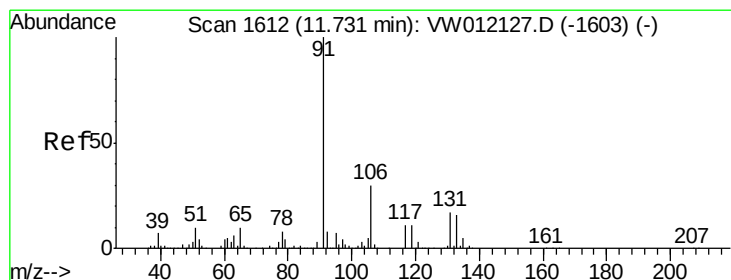
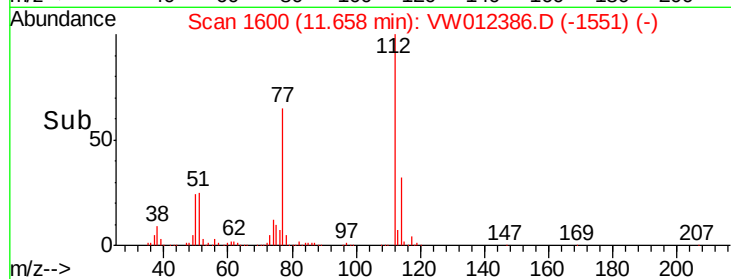
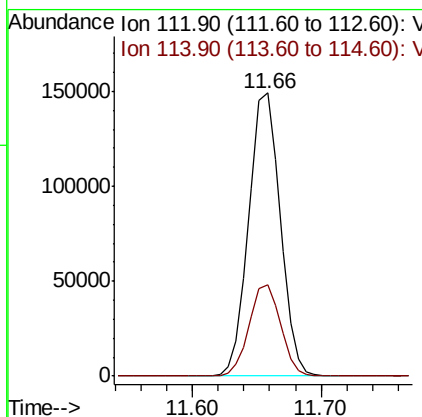
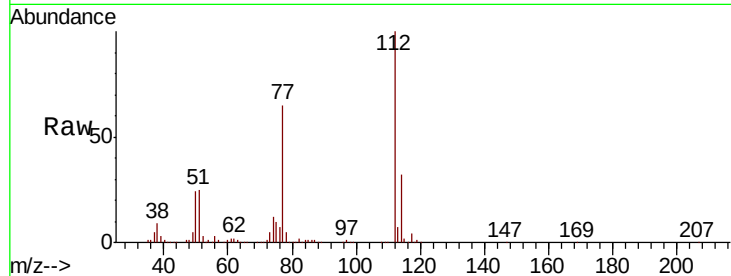
#65
Chlorobenzene
Concen: 53.027 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6

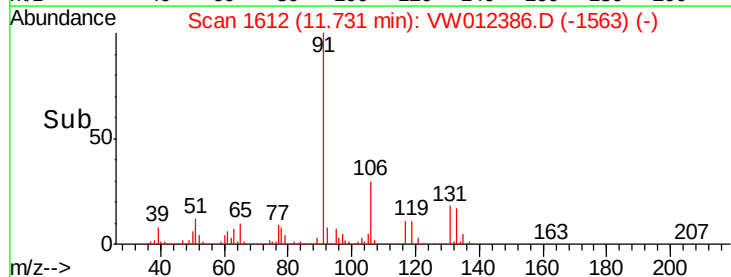
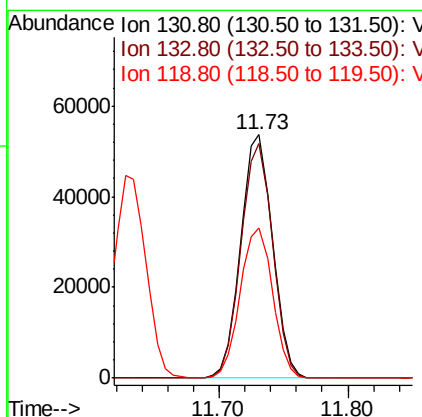
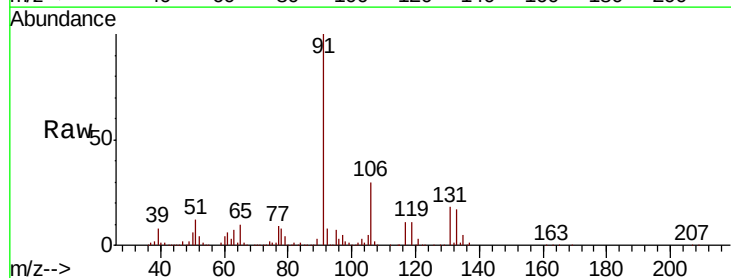
Manual Integrations
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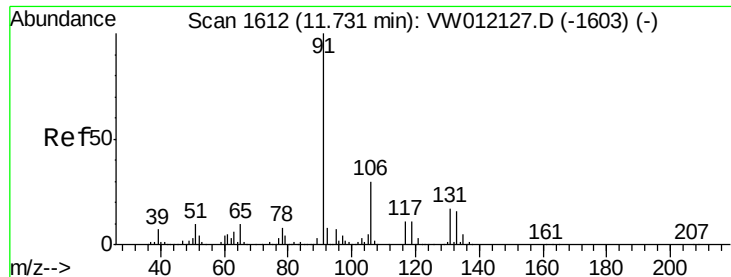
MMDadoda
9/3/2019 2:39:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.186 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.1	141.3
119	63.2	31.8	95.3





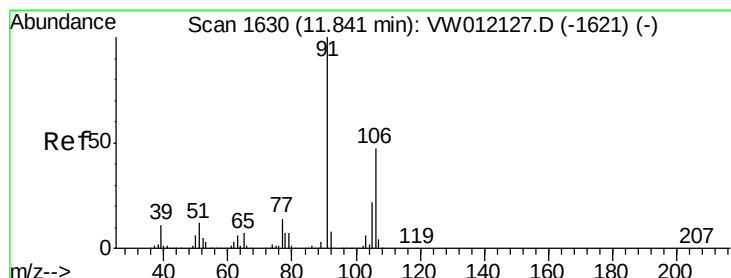
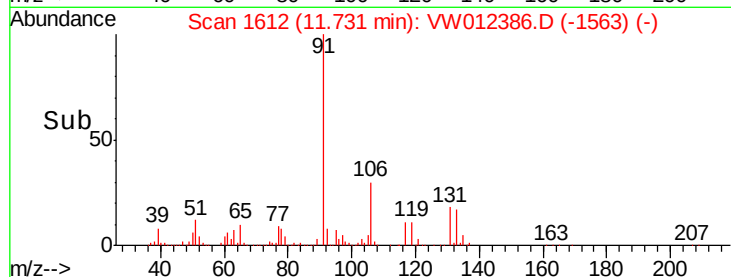
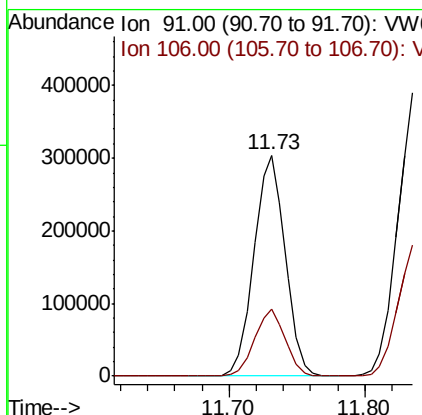
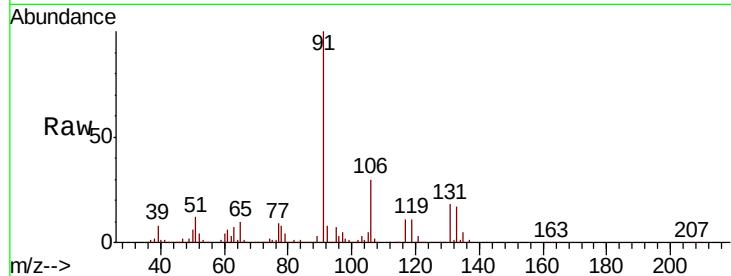
#67
Ethyl Benzene
Concen: 53.356 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5

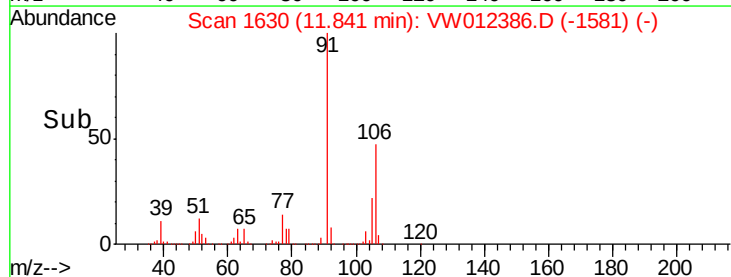
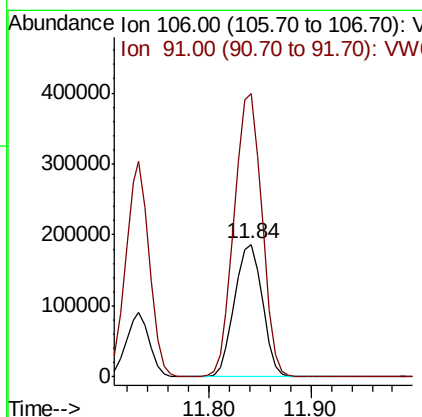
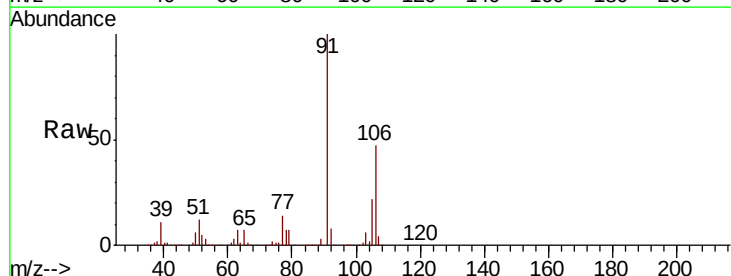
Manual Integrations
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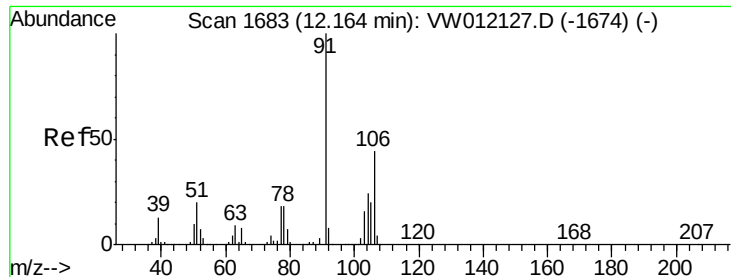
MMDadoda
9/3/2019 2:39:59 AM



#68
m/p-Xylenes
Concen: 107.018 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.9	169.5	254.3





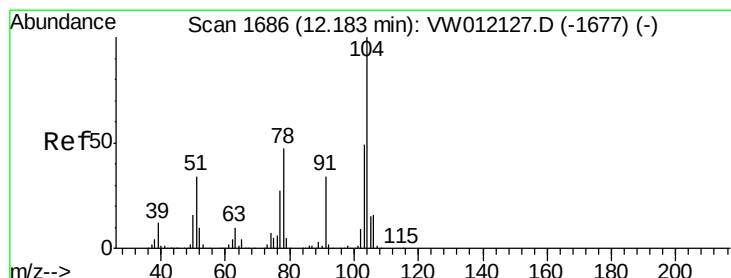
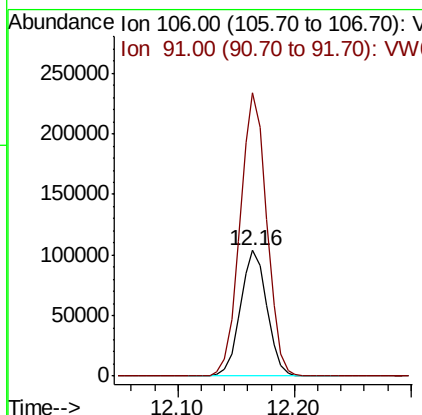
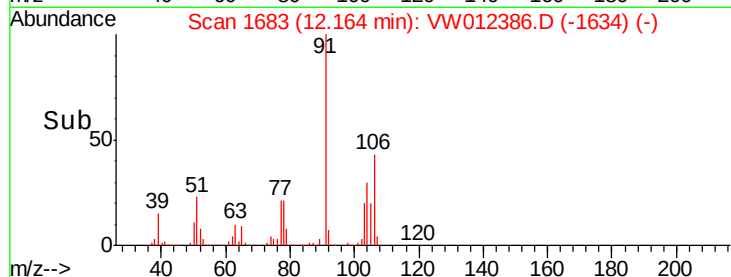
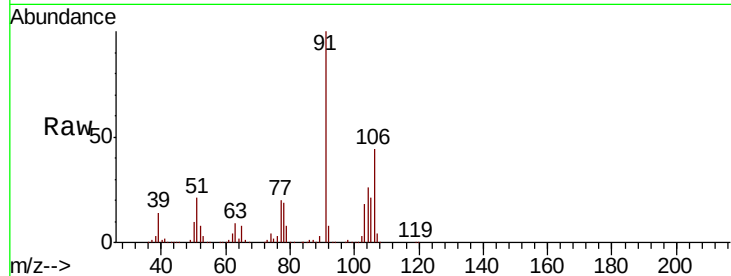
#69
o-Xylene
Concen: 53.964 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		165002		
91	226.7	111.6	334.6		

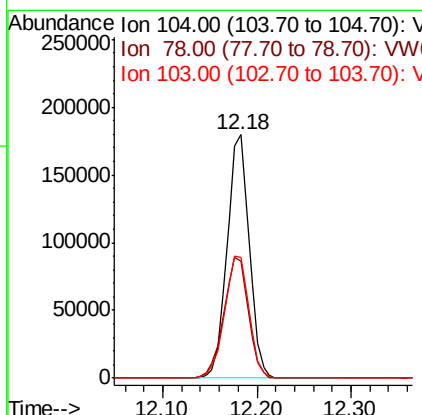
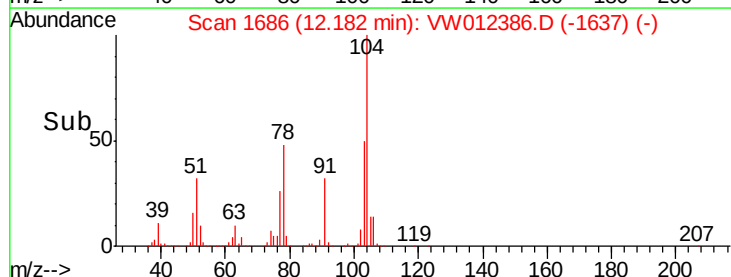
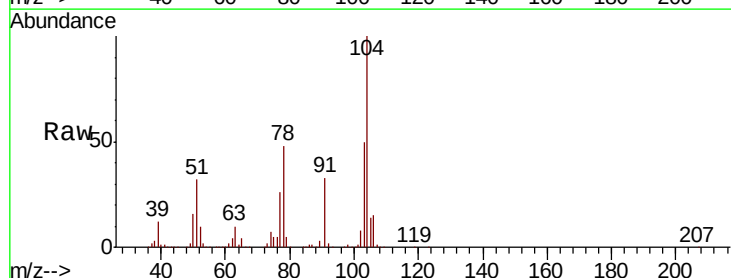
Manual Integrations
APPROVED

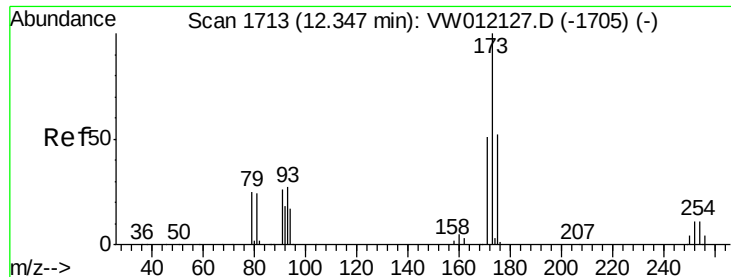
MMDadoda
9/3/2019 2:39:59 AM



#70
Styrene
Concen: 55.225 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		292279		
78	55.0	43.1	64.7		
103	55.3	43.5	65.3		





#71

Bromoform

Concen: 58.749 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

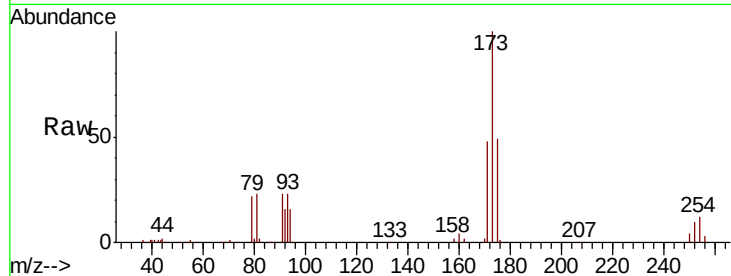
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.2	0.2

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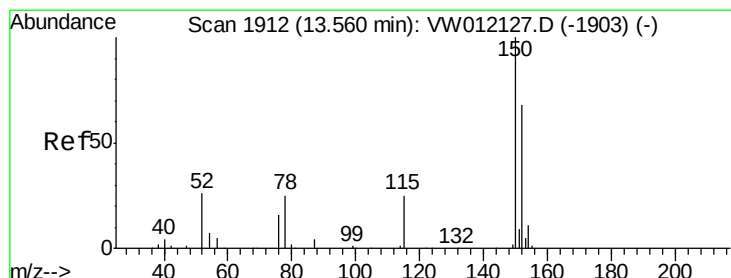
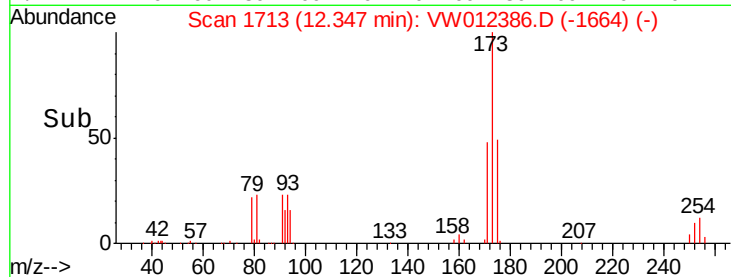
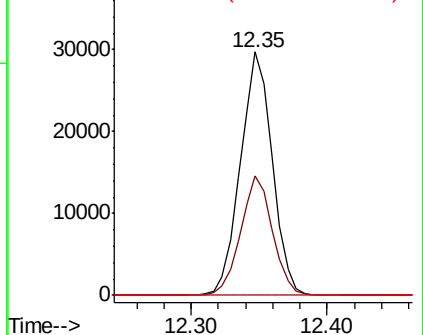


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

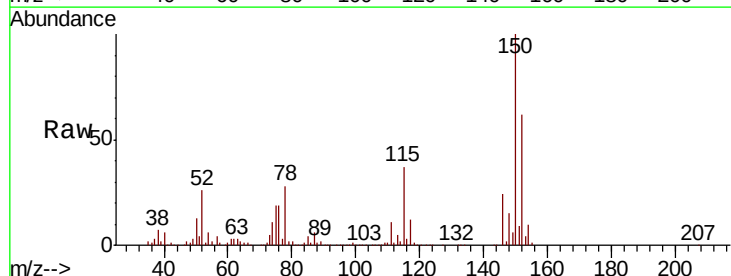
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.1	90.3
150	173.2	0.0	345.8

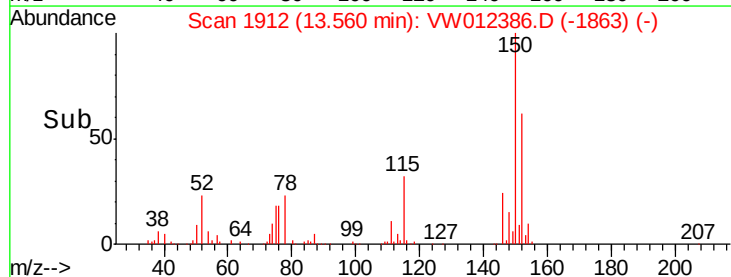
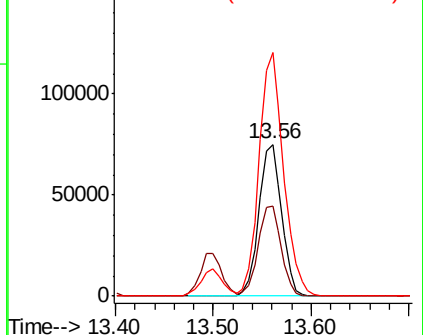


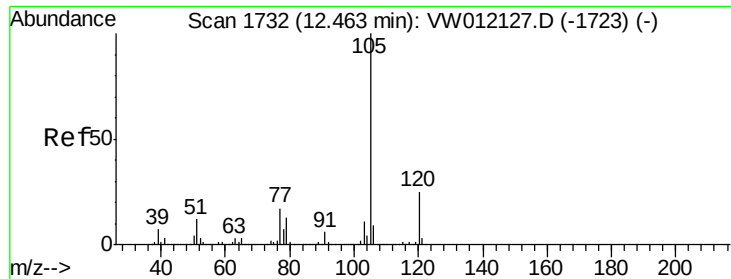
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.832 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 460484

Ion Ratio Lower Upper

105 100

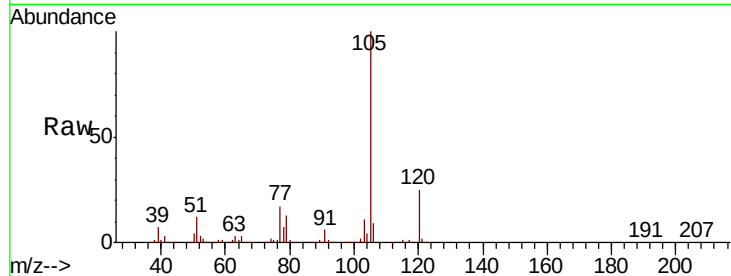
120 25.5 12.5 37.5

Manual Integrations

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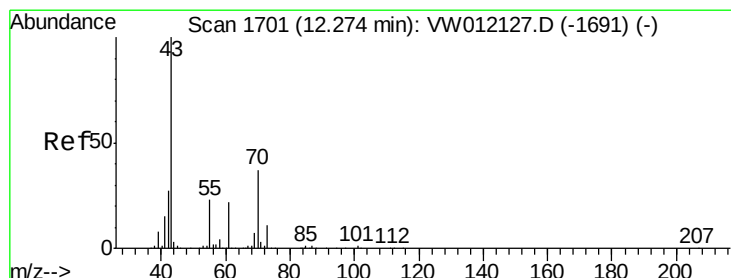
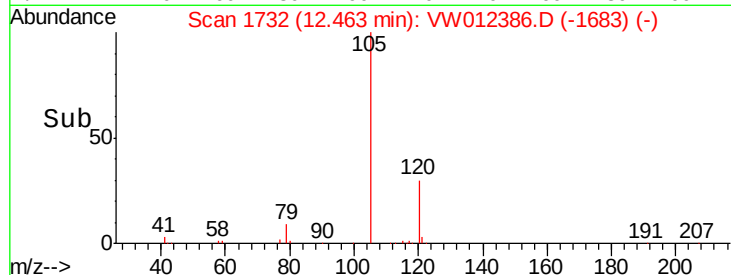
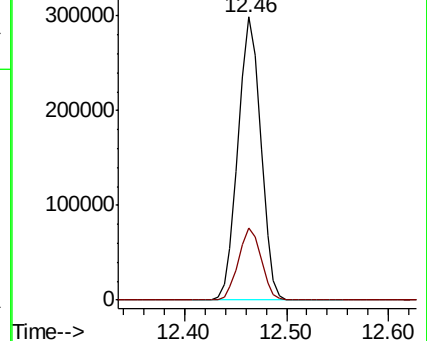
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.280 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion: 43 Resp: 154035

Ion Ratio Lower Upper

43 100

70 35.9 28.6 43.0

55 23.0 17.8 26.6

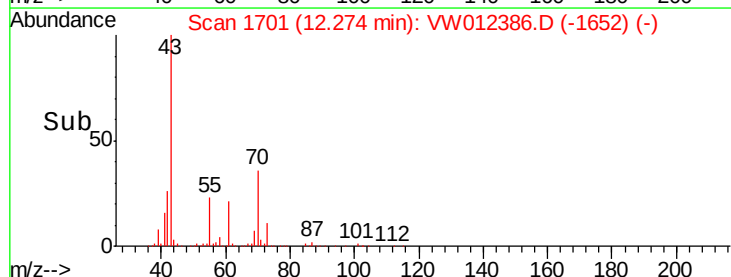
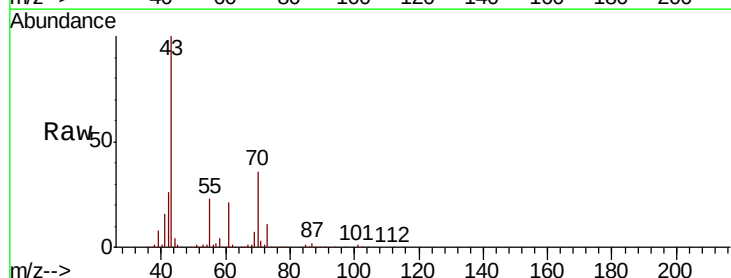
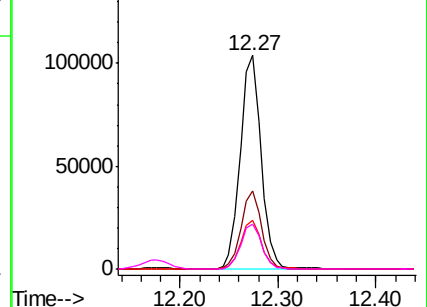
61 21.1 17.3 25.9

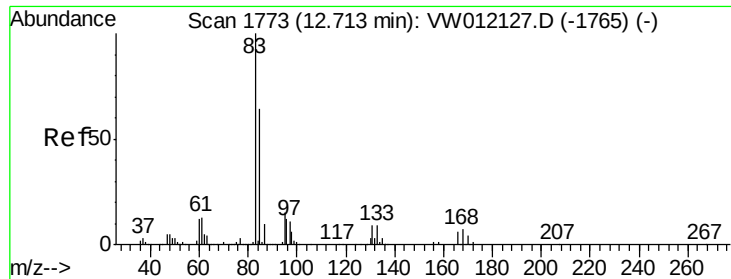
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 54.508 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

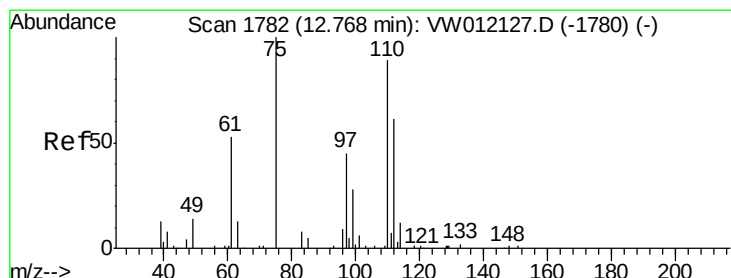
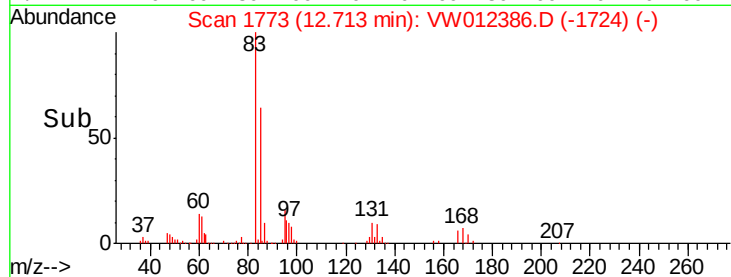
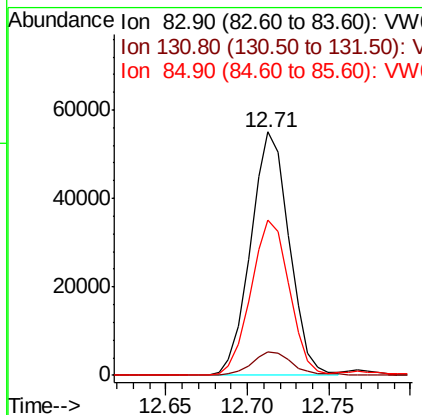
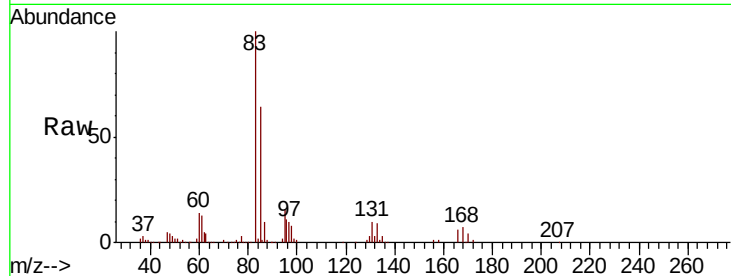
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	90525
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	63.7	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 52.618 ug/l m

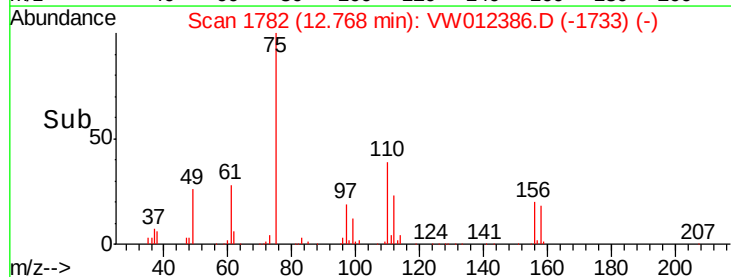
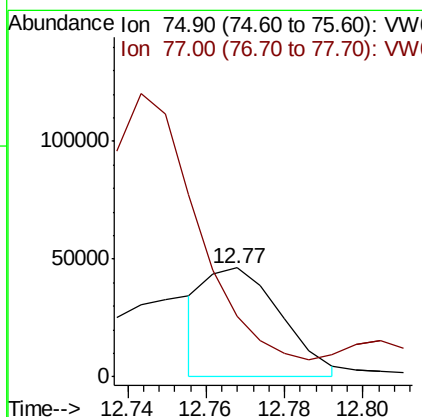
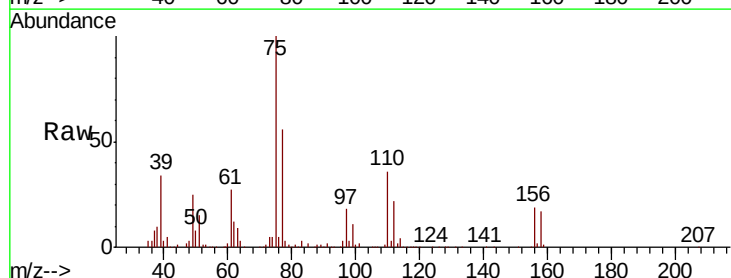
RT: 12.77 min Scan# 1782

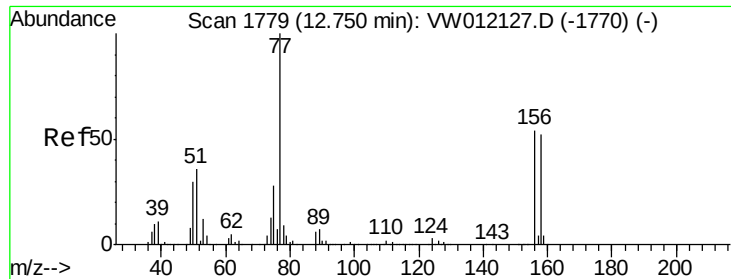
Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion:	75	Resp:	61955
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.409 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

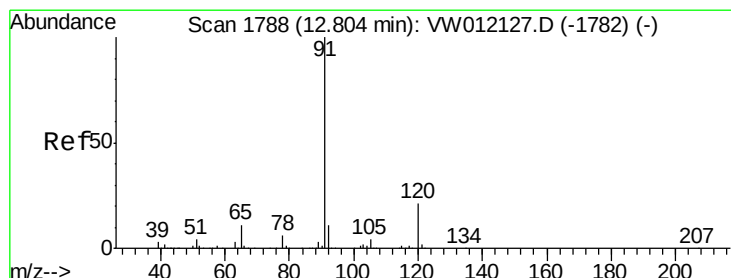
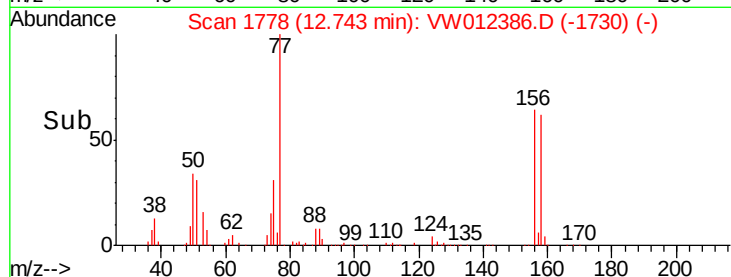
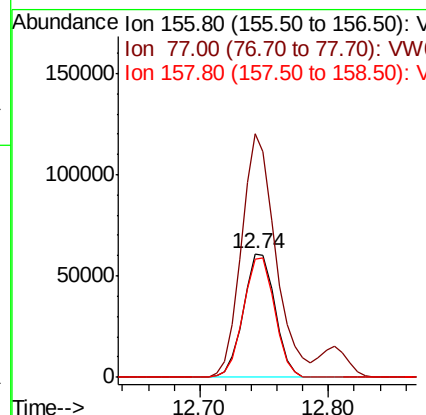
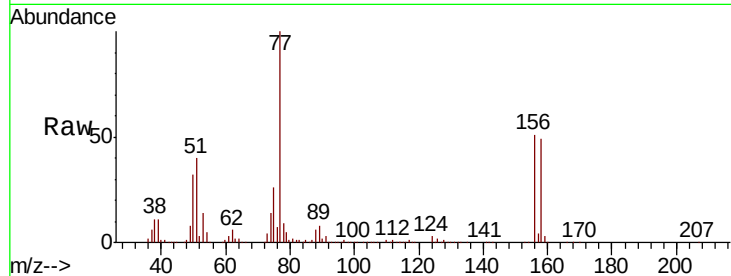
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	214.9	107.3	321.8	
158	96.4	49.0	147.0	

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#78

n-propylbenzene

Concen: 50.697 ug/l

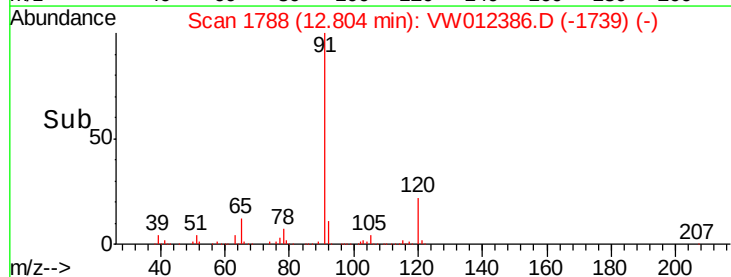
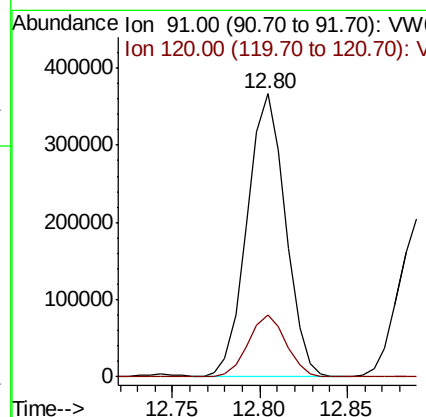
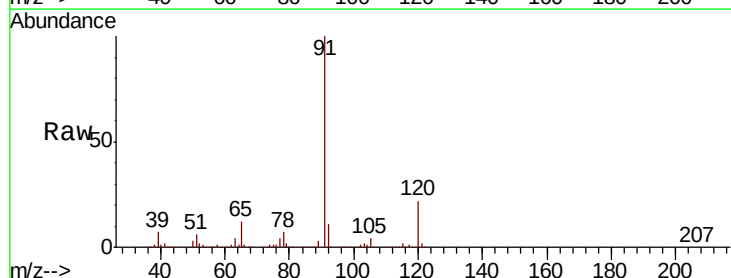
RT: 12.80 min Scan# 1788

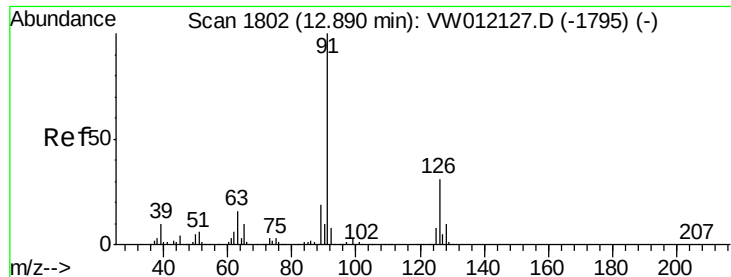
Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.7	10.5	31.6	





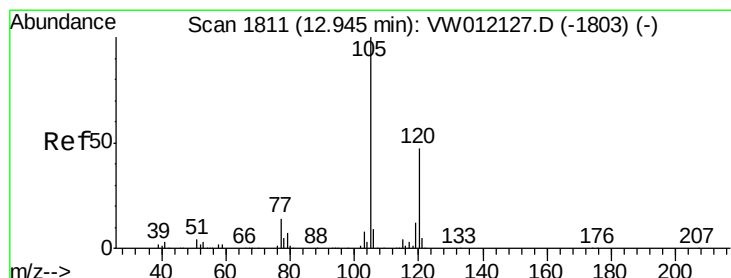
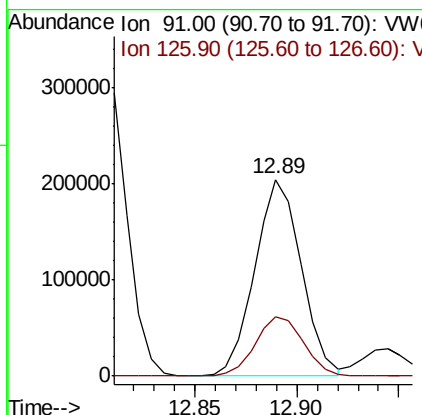
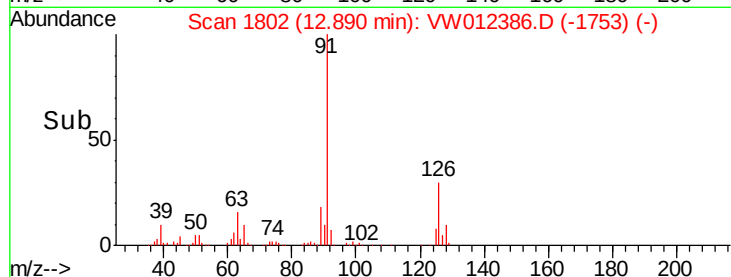
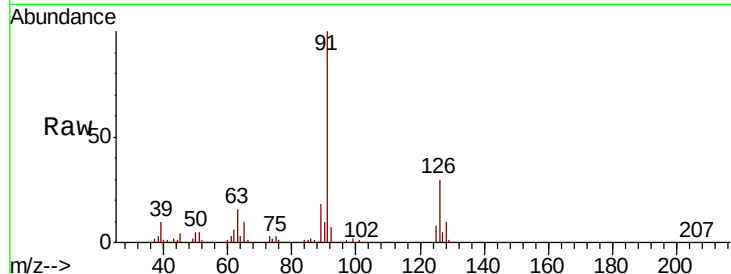
#79
 2-Chlorotoluene
 Concen: 51.866 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 325653
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.7 47.0

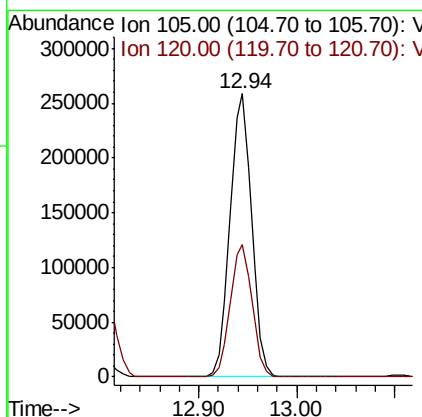
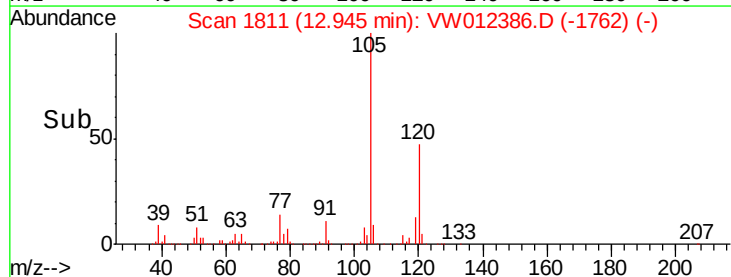
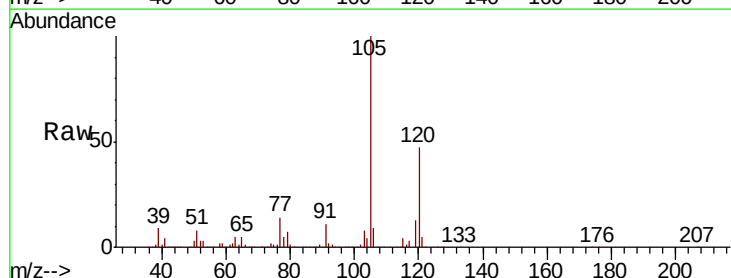
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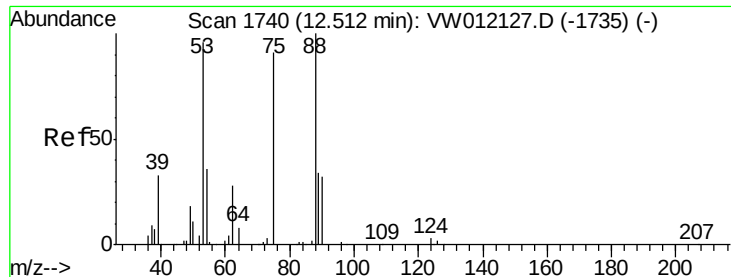
MMDadoda
 9/3/2019 2:39:59 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.509 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion: 105 Resp: 397469
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.0 72.0





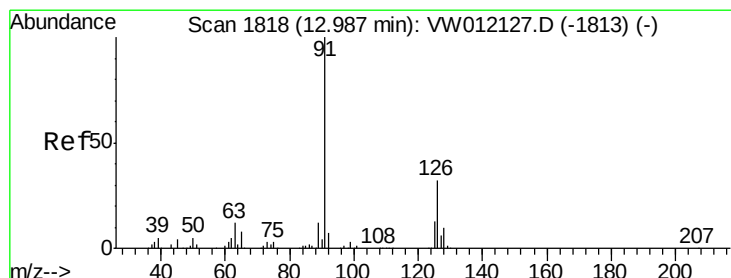
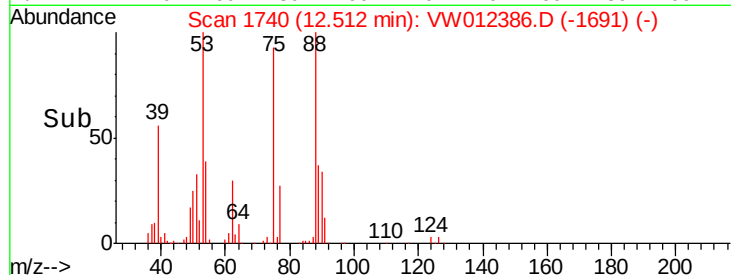
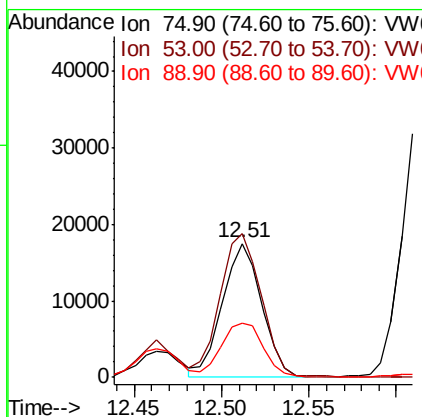
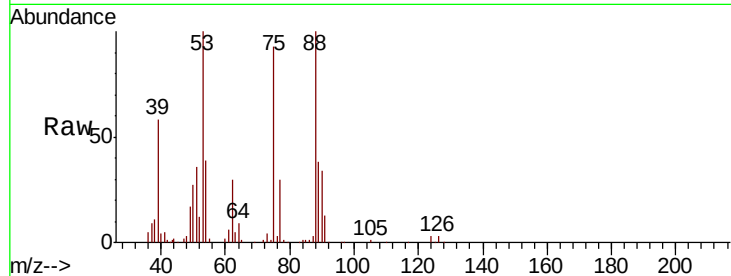
#81
trans-1,4-Dichloro-2-butene
Concen: 50.512 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.1	89.4	134.0
89	43.4	34.5	51.7

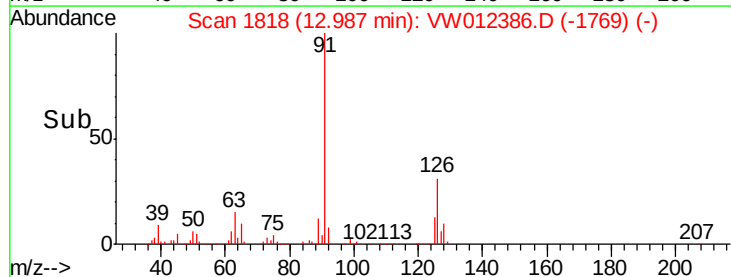
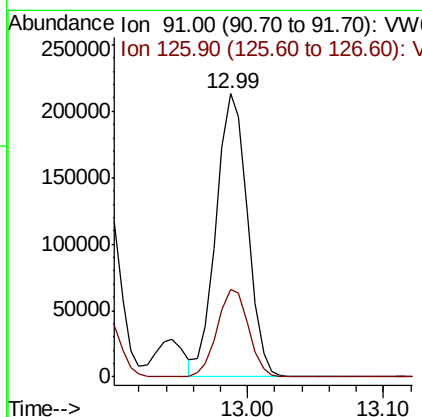
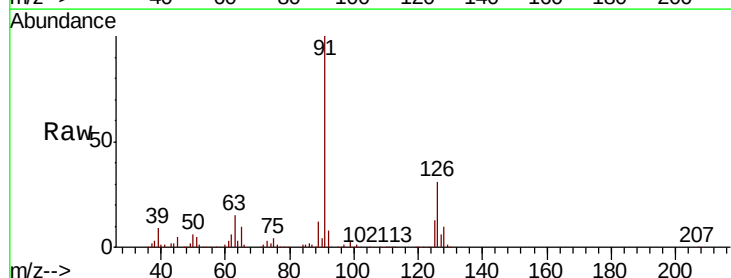
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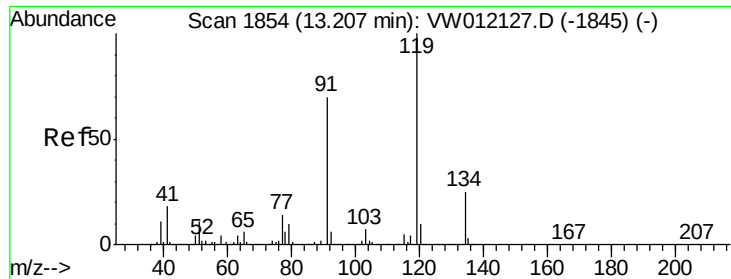
MMDadoda
9/3/2019 2:39:59 AM



#82
4-Chlorotoluene
Concen: 51.863 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.8





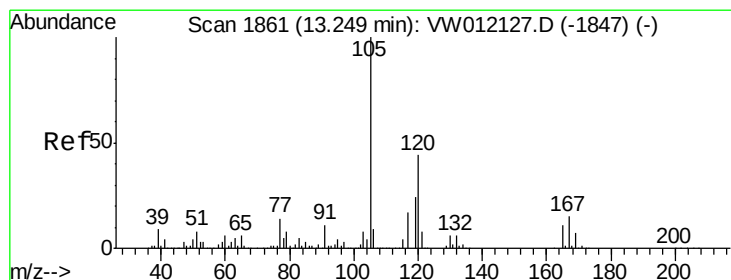
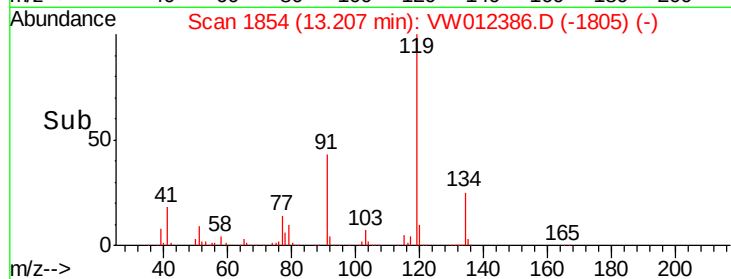
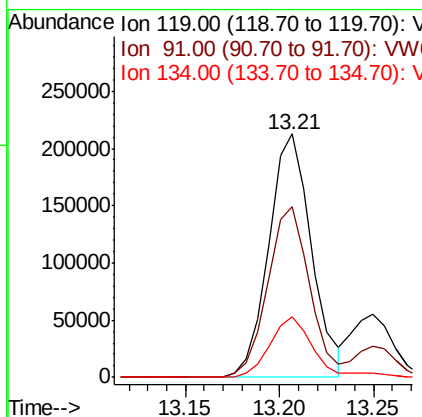
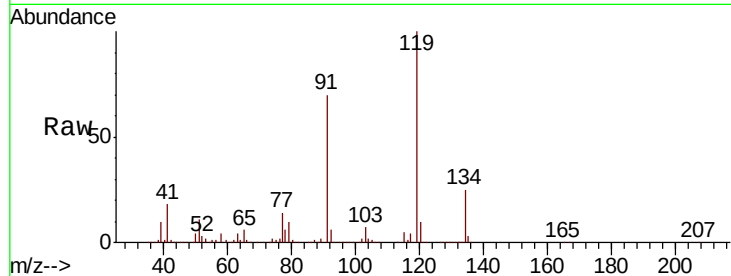
#83
tert-Butylbenzene
Concen: 52.162 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.8	104.3
134	25.8	13.3	39.8

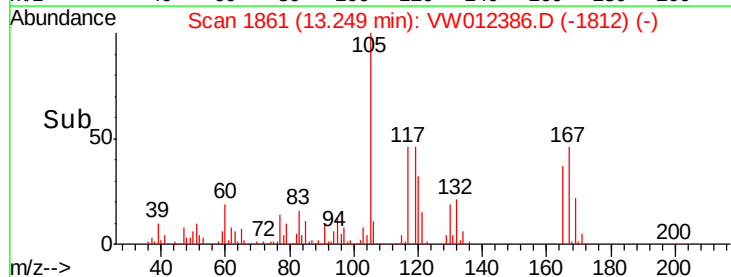
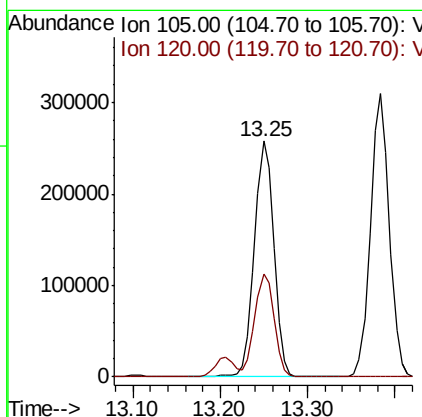
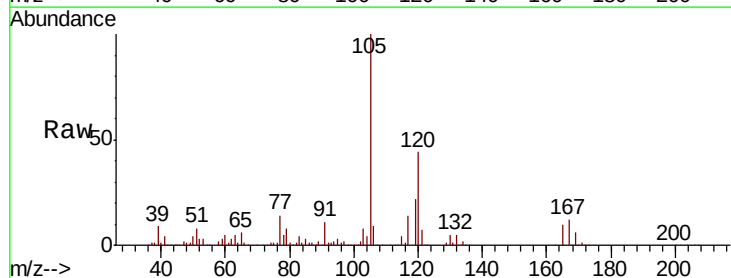
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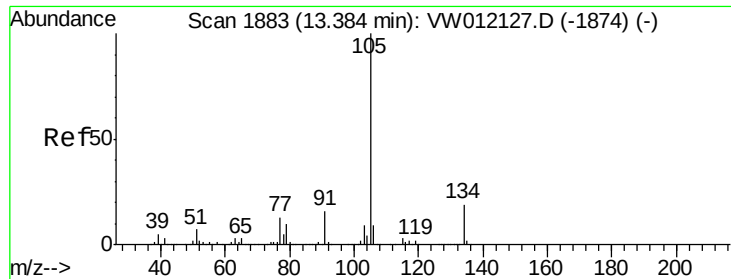
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#84
1,2,4-Trimethylbenzene
Concen: 52.423 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.9	65.7





#85

sec-Butylbenzene

Concen: 50.600 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 464838

Ion Ratio Lower Upper

105 100

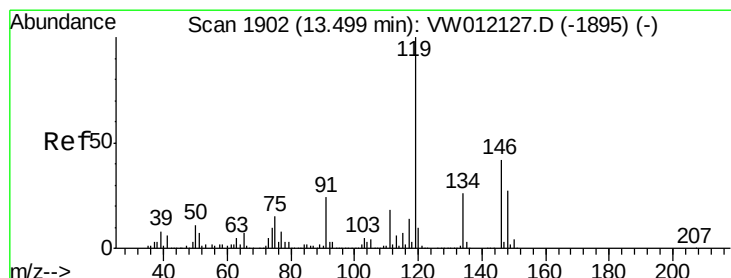
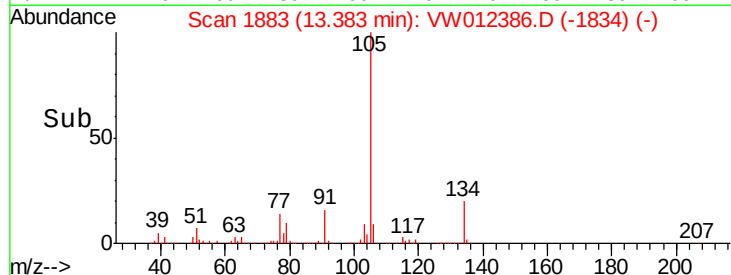
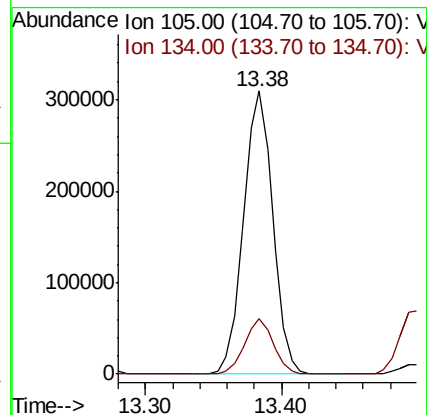
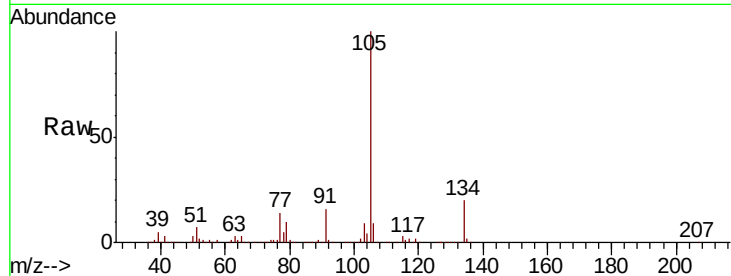
134 19.2 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 51.585 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012386.D

Acq: 31 Aug 2019 08:05

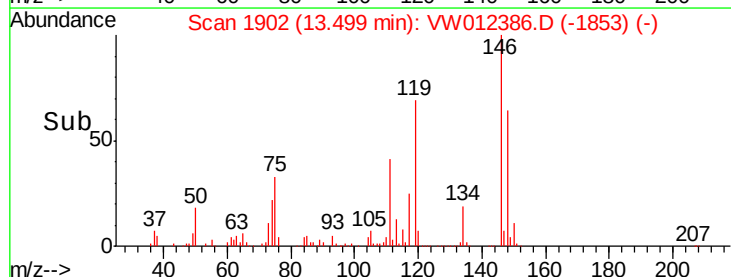
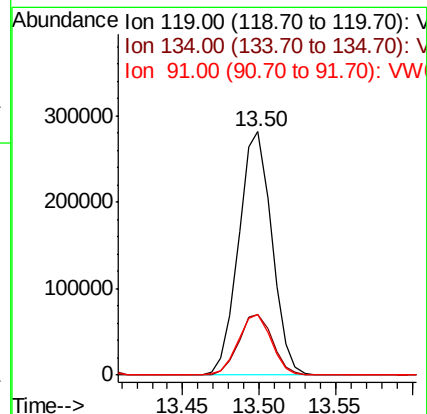
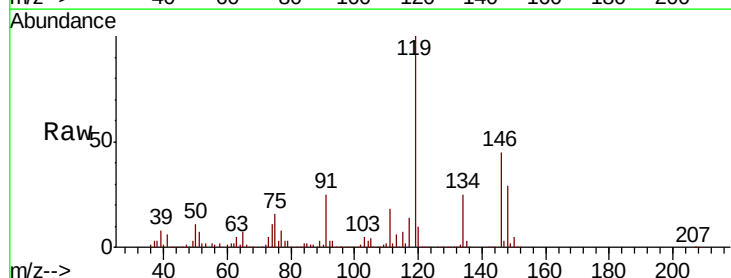
Tgt Ion:119 Resp: 423207

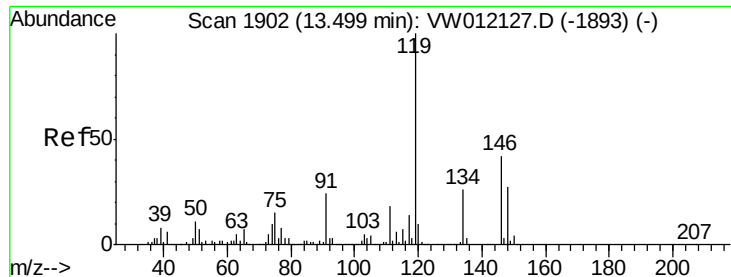
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 24.8 12.3 36.9





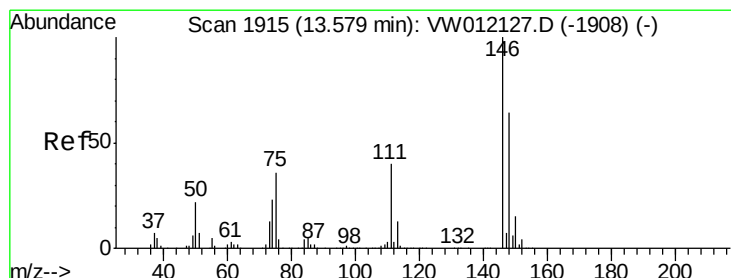
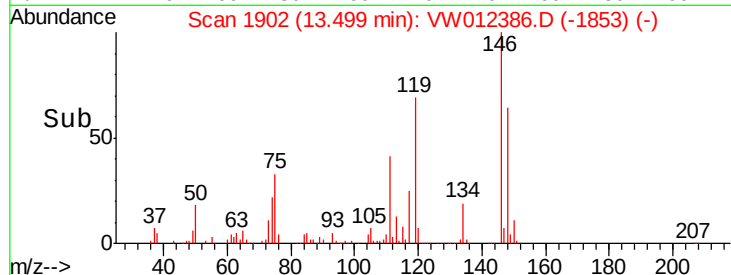
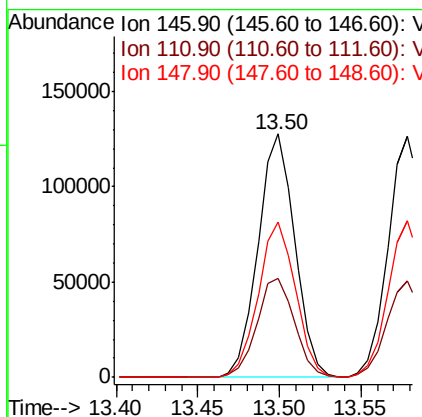
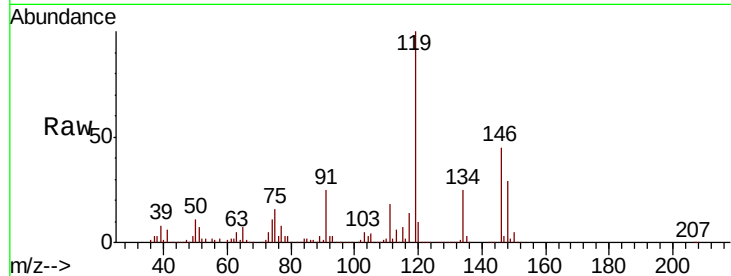
#87
 1,3-Dichlorobenzene
 Concen: 52.308 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	200511		
111	41.7	20.9	62.7	
148	64.5	32.2	96.6	

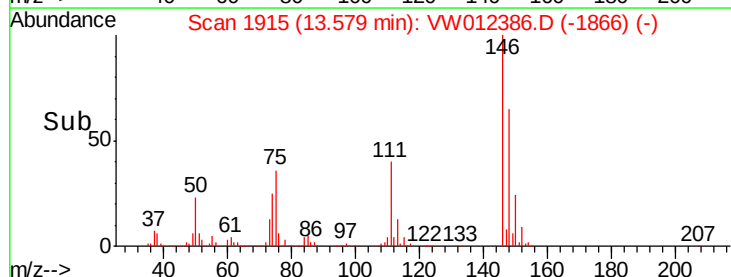
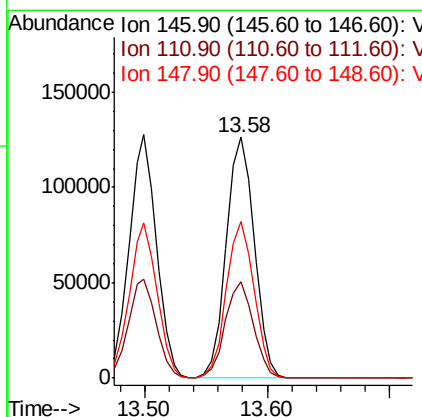
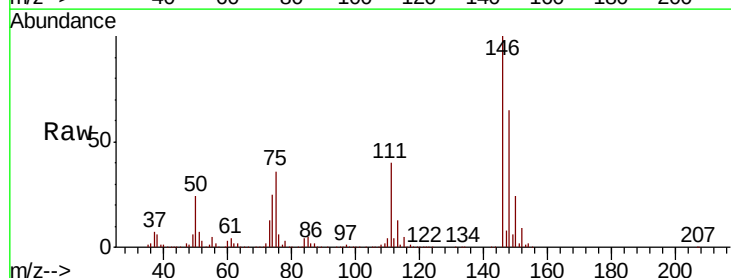
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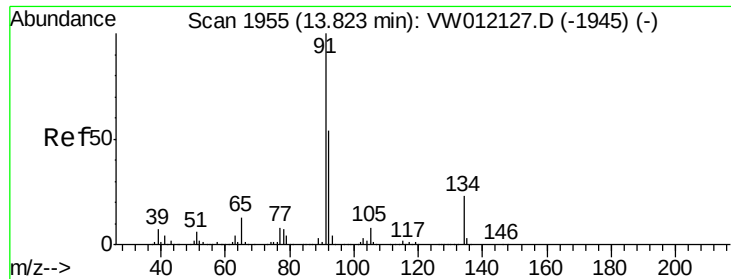
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#88
 1,4-Dichlorobenzene
 Concen: 52.731 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	200702		
111	40.2	20.0	60.0	
148	64.0	32.1	96.3	





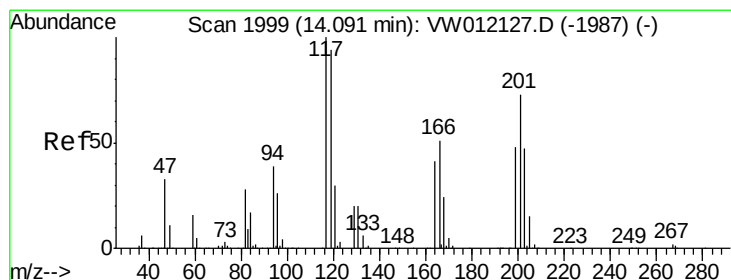
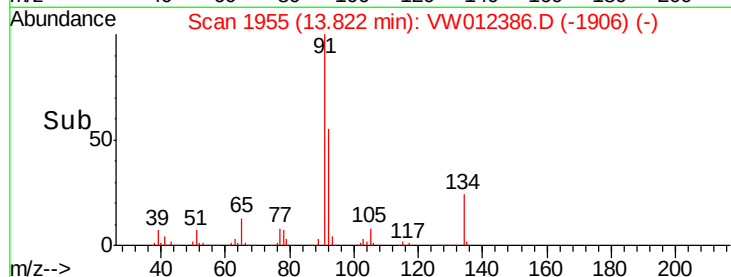
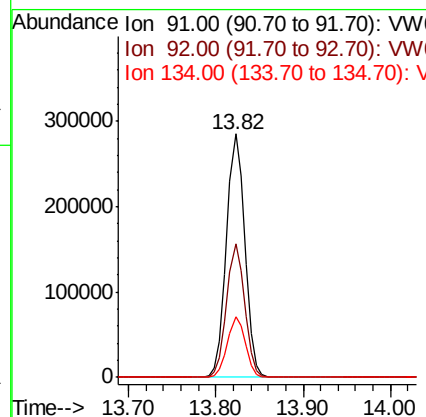
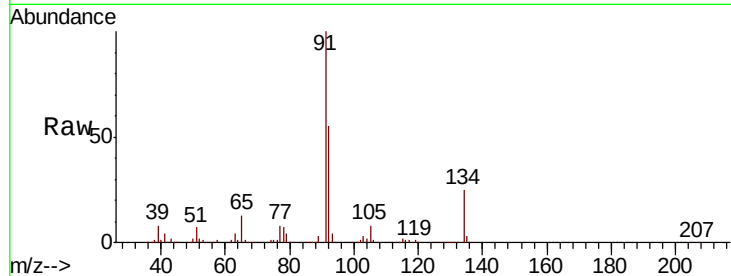
#89
n-Butylbenzene
Concen: 50.781 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	24.4	12.2	36.4

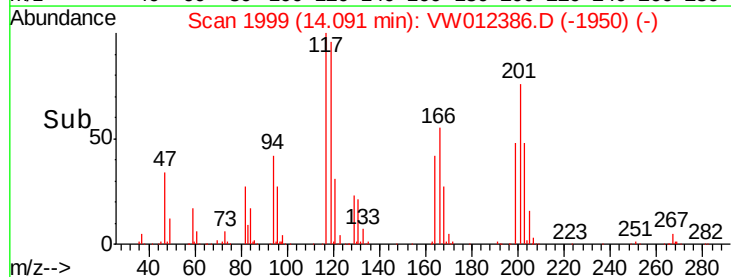
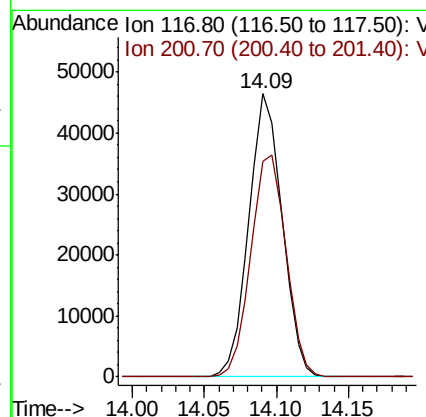
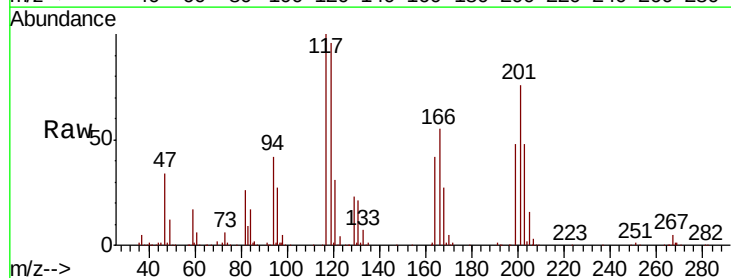
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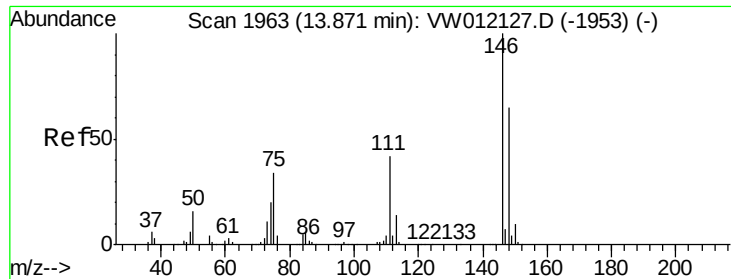
MMDadoda
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#90
Hexachloroethane
Concen: 51.859 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	38.6	115.7





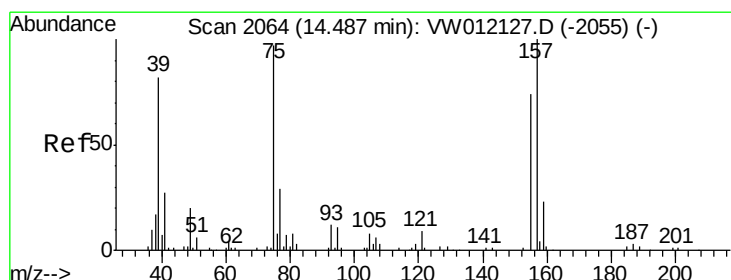
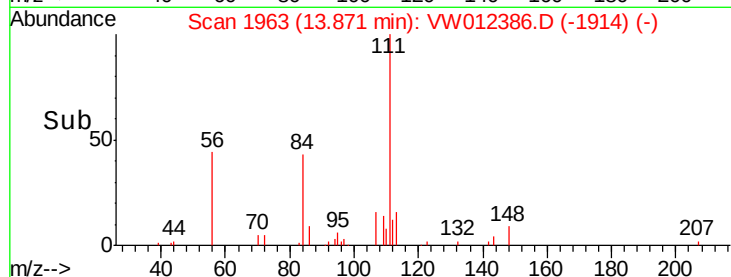
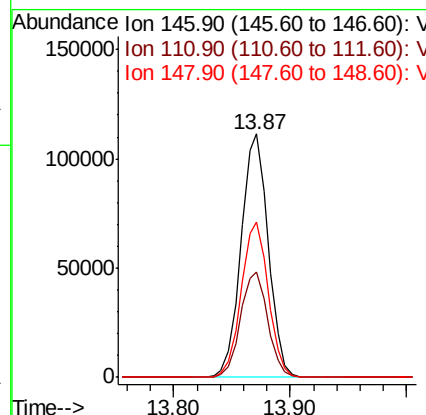
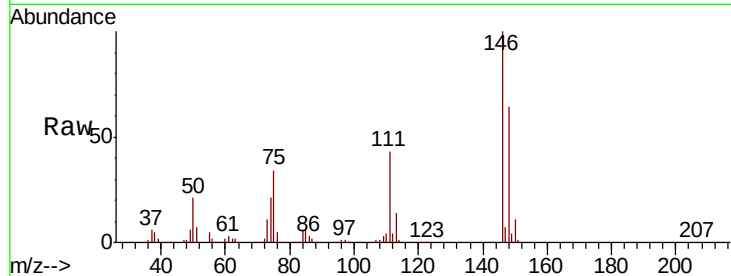
#91
 1,2-Dichlorobenzene
 Concen: 53.856 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.2	63.6
148	63.6	32.5	97.4

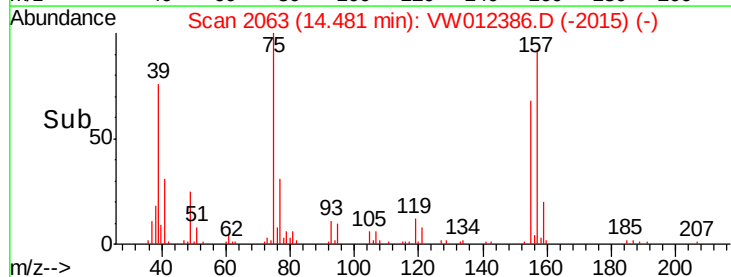
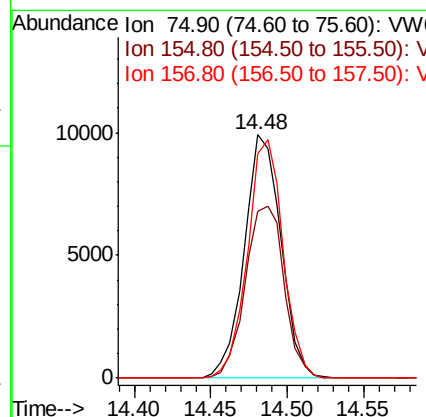
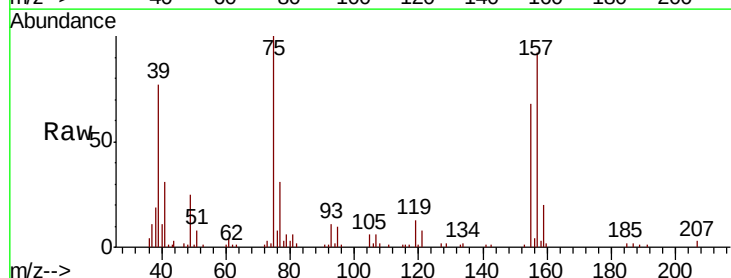
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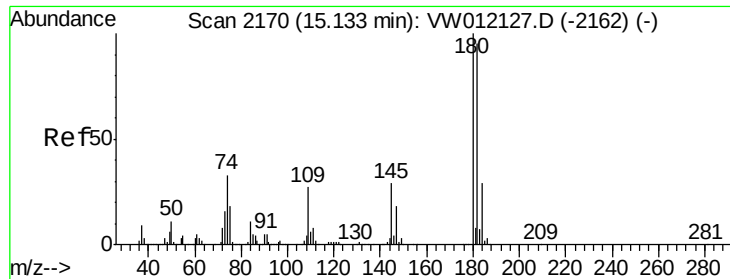
MMDadoda
 9/3/2019 2:39:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.172 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	37.5	112.3
157	94.7	50.5	151.5





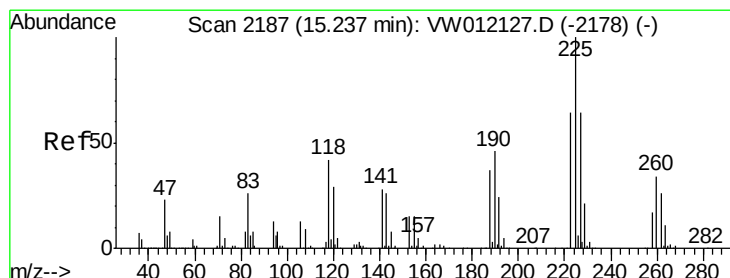
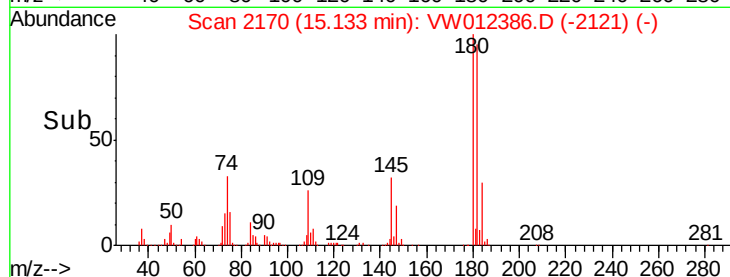
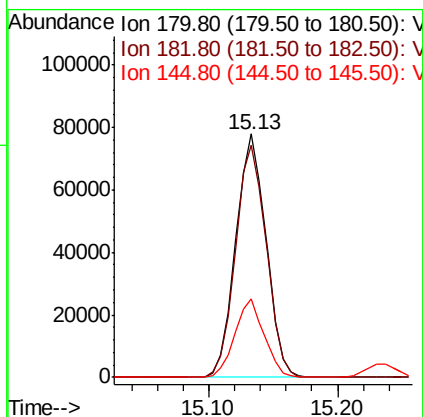
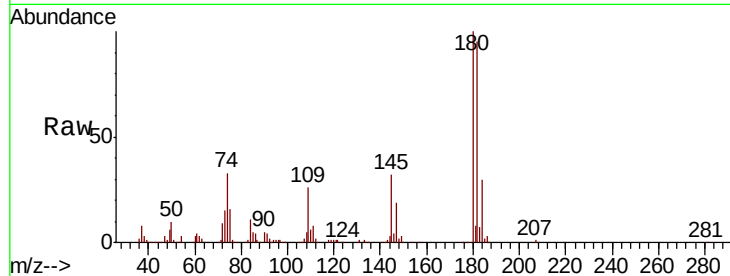
#93
 1,2,4-Trichlorobenzene
 Concen: 54.586 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126852		
182	96.6	47.8	143.4	
145	31.3	15.0	45.1	

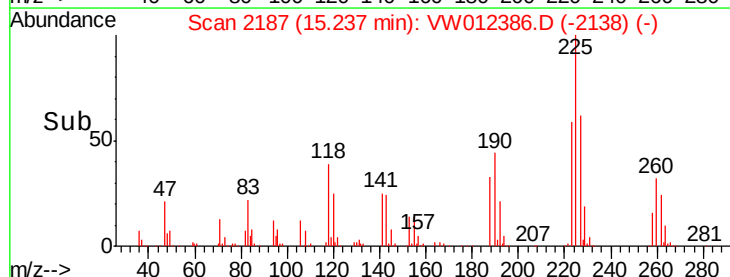
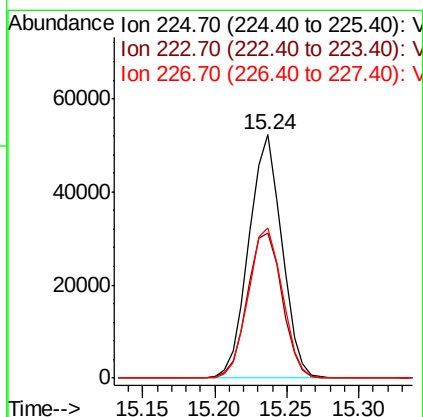
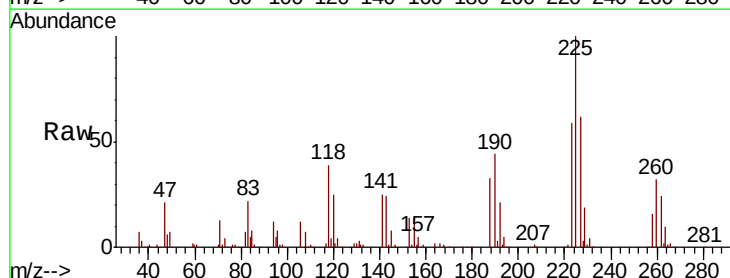
Manual Integrations
 APPROVED

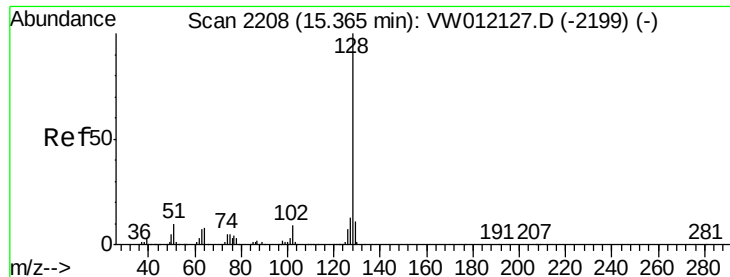
MMDadoda
 9/3/2019 2:39:59 AM



#94
 Hexachlorobutadiene
 Concen: 54.081 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012386.D
 Acq: 31 Aug 2019 08:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82986		
223	62.7	32.3	96.8	
227	63.8	32.9	98.6	





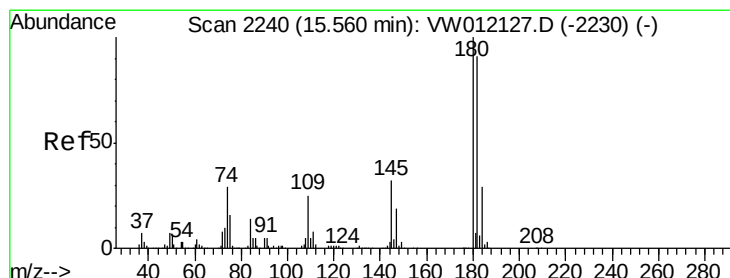
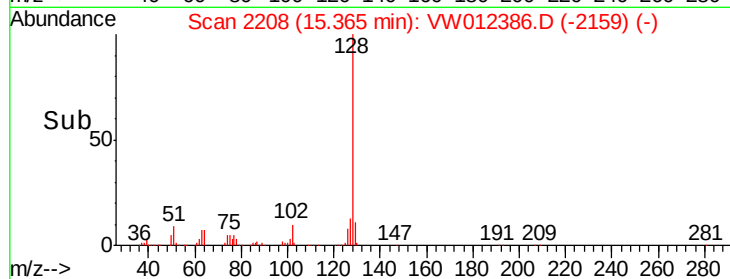
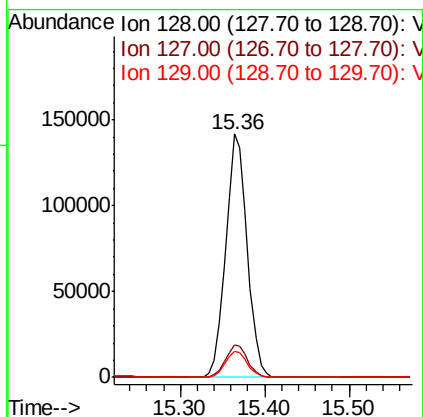
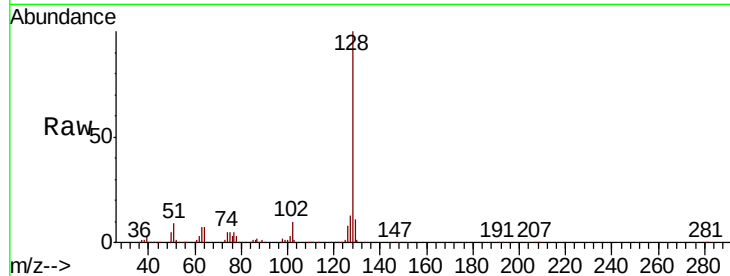
#95
Naphthalene
Concen: 53.591 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	245929
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 56.428 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012386.D
Acq: 31 Aug 2019 08:05

Tgt Ion:	180	Resp:	114410
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.1	141.3
145	32.1	16.2	48.5

