

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111219\
 Data File : VW013993.D
 Acq On : 12 Nov 2019 22:59
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:33:02 AM

Quant Time: Nov 13 08:32:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	389708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107597	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.88	113	108491	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.32	98	441589	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.62	95	147704	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	60939	43.378	ug/l	97
3) Chloromethane	2.21	50	60747	40.235	ug/l	95
4) Vinyl Chloride	2.36	62	113861	49.937	ug/l	100
5) Bromomethane	2.78	94	72284	48.203	ug/l	100
6) Chloroethane	2.92	64	70664	51.218	ug/l	96
7) Trichlorofluoromethane	3.26	101	60204	42.273	ug/l	98
8) Diethyl Ether	3.68	74	60723	52.774	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119084	51.435	ug/l	98
10) Methyl Iodide	4.28	142	193242	51.220	ug/l	99
11) Tert butyl alcohol	5.16	59	40752	341.252	ug/l	98
12) 1,1-Dichloroethene	4.04	96	125601	52.519	ug/l	95
13) Acrolein	3.89	56	44284	323.680	ug/l	98
14) Allyl chloride	4.67	41	187657	51.030	ug/l	99
15) Acrylonitrile	5.37	53	133143	284.575	ug/l	99
16) Acetone	4.12	43	117190	276.296	ug/l	90
17) Carbon Disulfide	4.39	76	339835	49.479	ug/l	99
18) Methyl Acetate	4.67	43	73857	63.523	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	161670	56.333	ug/l	98
20) Methylene Chloride	4.92	84	128806	55.741	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	130271	50.610	ug/l	96
22) Diisopropyl ether	6.31	45	360063	53.677	ug/l	95
23) Vinyl Acetate	6.25	43	1053818	270.750	ug/l	99
24) 1,1-Dichloroethane	6.21	63	218992	51.548	ug/l	99
25) 2-Butanone	7.17	43	181085	296.962	ug/l	96
26) 2,2-Dichloropropane	7.16	77	109915	44.743	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	139822	51.142	ug/l	97
28) Bromochloromethane	7.51	49	80005	52.781	ug/l	99
29) Tetrahydrofuran	7.52	42	119498	316.531	ug/l	98
30) Chloroform	7.67	83	218955	52.137	ug/l	99
31) Cyclohexane	7.95	56	212436	47.783	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	172417	52.317	ug/l	99
36) 1,1-Dichloropropene	8.08	75	180620	49.766	ug/l	99
37) Ethyl Acetate	7.25	43	77943	56.101	ug/l	99
38) Carbon Tetrachloride	8.07	117	164130	50.219	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	225967	48.211	ug/l	99
40) Benzene	8.32	78	510007	49.654	ug/l	98
41) Methacrylonitrile	7.48	41	48934	56.482	ug/l	96
42) 1,2-Dichloroethane	8.40	62	136378	52.691	ug/l	99
43) Isopropyl Acetate	8.42	43	149864	56.353	ug/l	99
44) Trichloroethene	9.09	130	145939	49.603	ug/l	99
45) 1,2-Dichloropropane	9.37	63	123010	50.140	ug/l	99
46) Dibromomethane	9.46	93	61177	51.377	ug/l	98
47) Bromodichloromethane	9.65	83	162527	52.752	ug/l	95
48) Methyl methacrylate	9.43	41	74442	56.448	ug/l	99
49) 1,4-Dioxane	9.45	88	23897	1358.118	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	393016	297.405	ug/l	100
52) Toluene	10.38	92	327812	49.479	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	161498	51.779	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	194307	50.494	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	94948	53.503	ug/l	97
56) Ethyl methacrylate	10.65	69	126450	56.953	ug/l	99
57) 1,3-Dichloropropane	10.93	76	161417	53.004	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	233221	228.235	ug/l	99
59) 2-Hexanone	10.96	43	268405	294.619	ug/l	99
60) Dibromochloromethane	11.13	129	110214	52.308	ug/l	99
61) 1,2-Dibromoethane	11.23	107	89773	53.471	ug/l	99
64) Tetrachloroethene	10.86	164	131275	51.841	ug/l	97
65) Chlorobenzene	11.66	112	343172	50.387	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	123422	51.925	ug/l	98
67) Ethyl Benzene	11.73	91	619151	50.416	ug/l	100
68) m/p-Xylenes	11.83	106	476189	100.362	ug/l	98
69) o-Xylene	12.16	106	219161	50.252	ug/l	99
70) Styrene	12.18	104	387648	51.734	ug/l	99
71) Bromoform	12.35	173	69246	55.514	ug/l #	96
73) Isopropylbenzene	12.46	105	613170	51.609	ug/l	99
74) N-amyl acetate	12.27	43	135497	58.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	106550	56.831	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	81767m	68.821	ug/l	
77) Bromobenzene	12.74	156	148869	52.452	ug/l	99
78) n-propylbenzene	12.80	91	702713	51.101	ug/l	100
79) 2-Chlorotoluene	12.89	91	397051	51.379	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	512829	51.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34089	54.224	ug/l	98
82) 4-Chlorotoluene	12.99	91	417803	51.498	ug/l	100
83) tert-Butylbenzene	13.21	119	456522	51.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	512122	51.763	ug/l	98
85) sec-Butylbenzene	13.38	105	617418	50.716	ug/l	99
86) p-Isopropyltoluene	13.50	119	571143	50.364	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	281575	51.204	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	274709	50.284	ug/l	100
89) n-Butylbenzene	13.82	91	503482	49.187	ug/l	100
90) Hexachloroethane	14.09	117	98406	49.924	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	249850	52.400	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17183	60.608	ug/l	98

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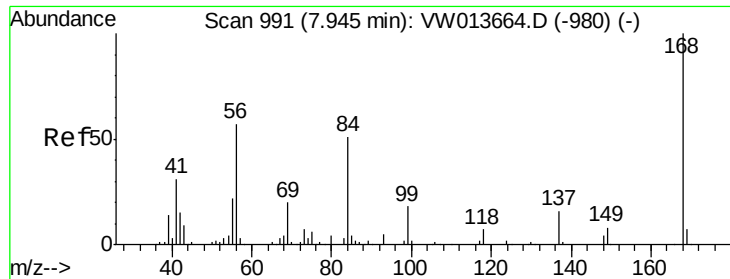
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	167643	48.312	ug/l	99
94) Hexachlorobutadiene	15.24	225	108932	46.501	ug/l	98
95) Naphthalene	15.36	128	288018	52.939	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	146864	49.118	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 266661

Ion Ratio Lower Upper

168 100

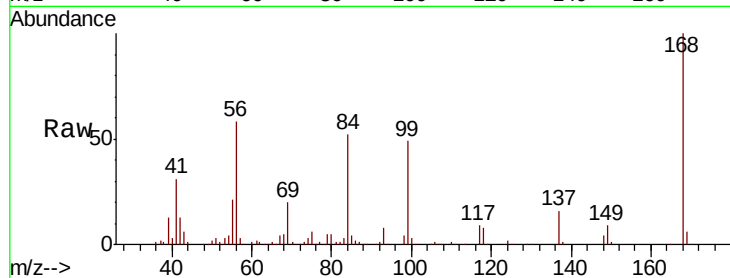
99 48.6 39.0 58.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW013664.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW013664.D (-980) (-)

7.95

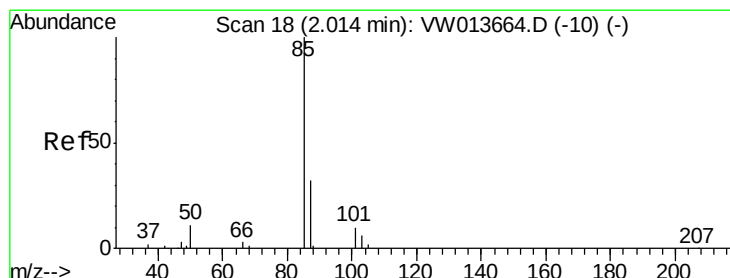
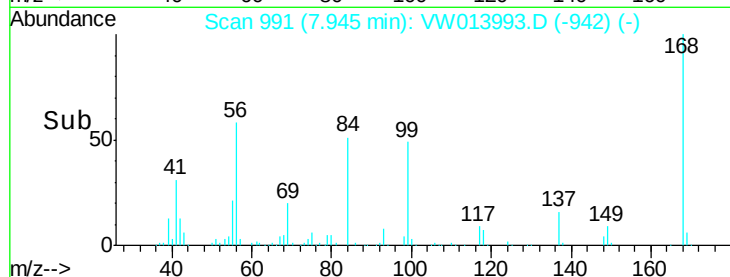
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 43.378 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013993.D

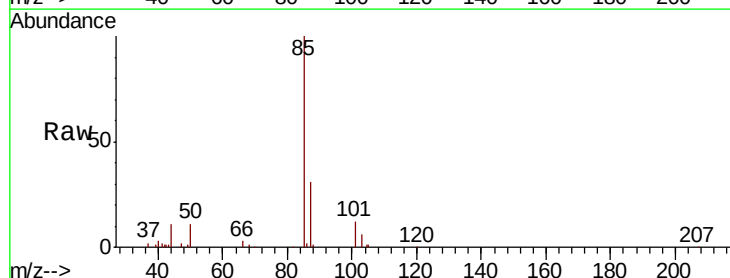
Acq: 12 Nov 2019 22:59

Tgt Ion: 85 Resp: 60939

Ion Ratio Lower Upper

85 100

87 30.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW013664.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW013664.D (-10) (-)

2.01

20000

15000

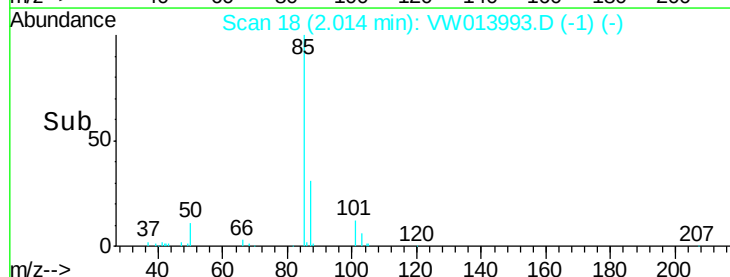
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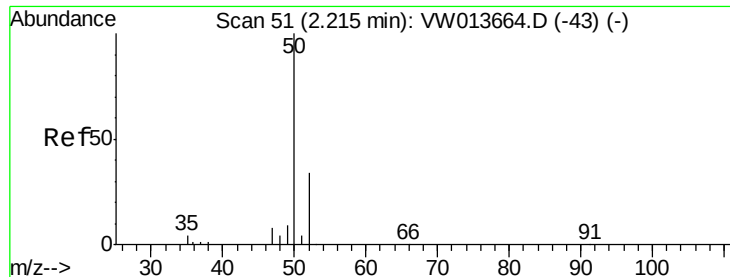
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 40.235 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 60747

Ion Ratio Lower Upper

50 100

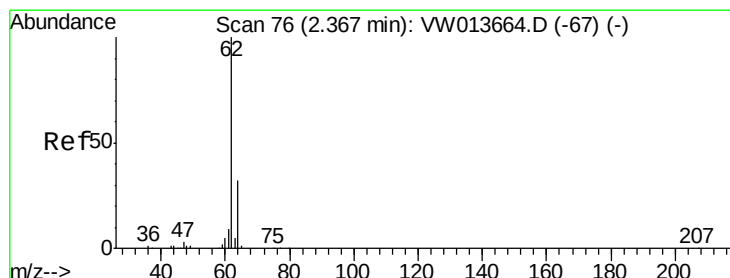
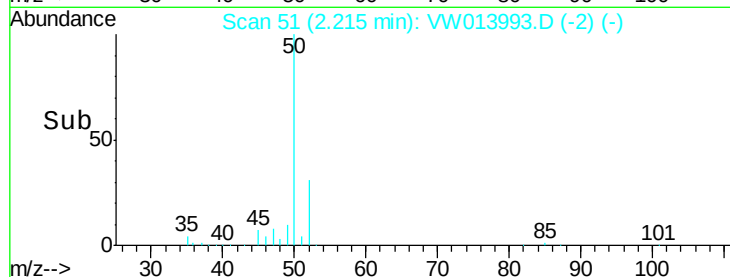
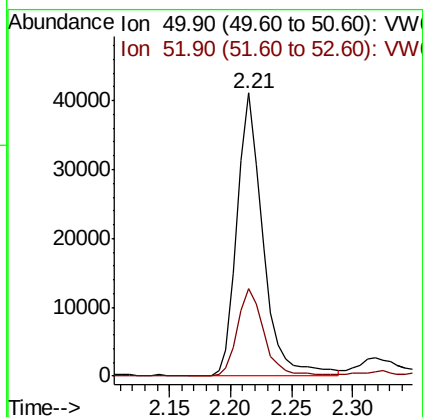
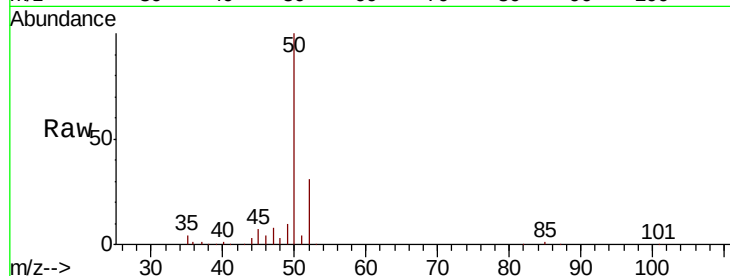
52 30.8 26.9 40.3

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#4

Vinyl Chloride

Concen: 49.937 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013993.D

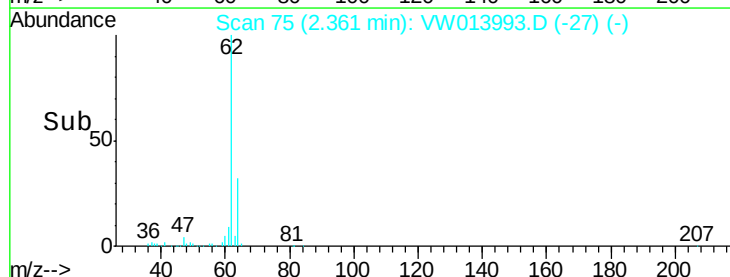
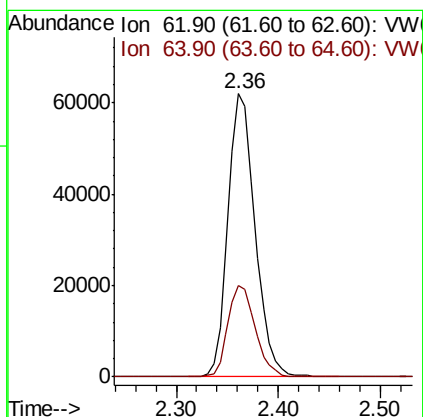
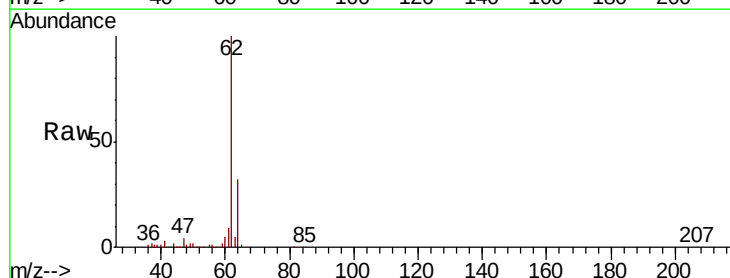
Acq: 12 Nov 2019 22:59

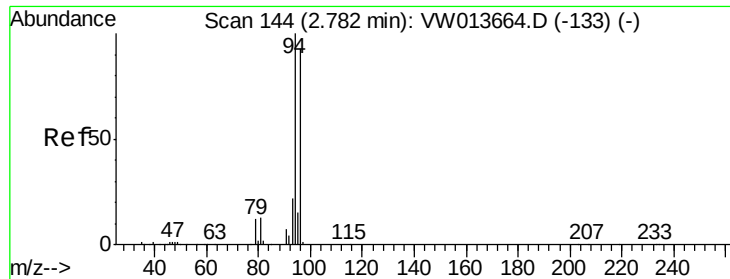
Tgt Ion: 62 Resp: 113861

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 48.203 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 72284

Ion Ratio Lower Upper

94 100

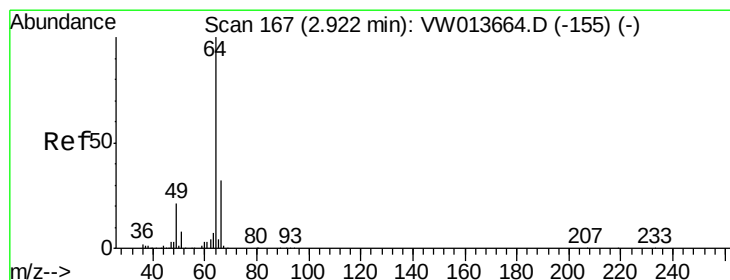
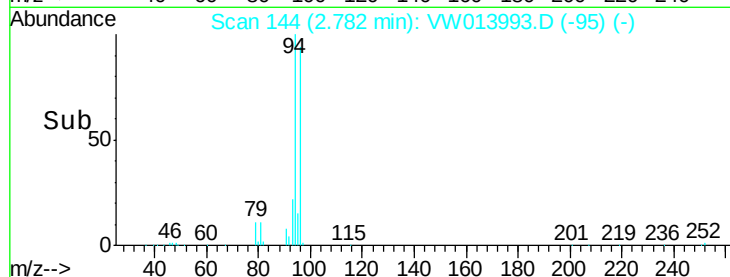
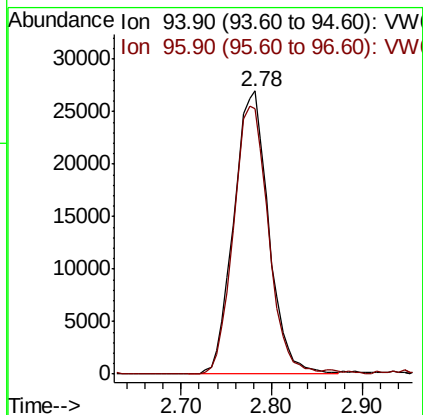
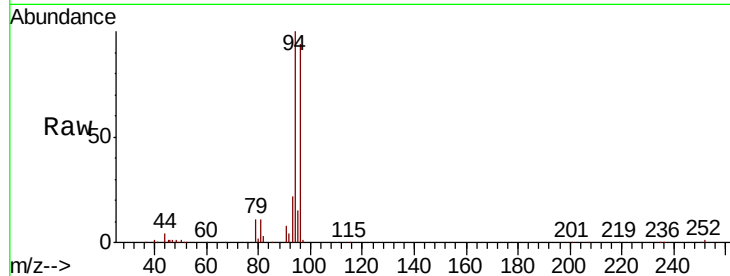
96 93.7 74.6 112.0

Manual Integrations

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11/13/2019 9:33:02 AM



#6

Chloroethane

Concen: 51.218 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013993.D

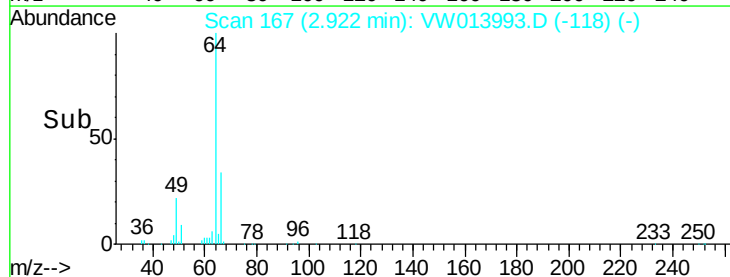
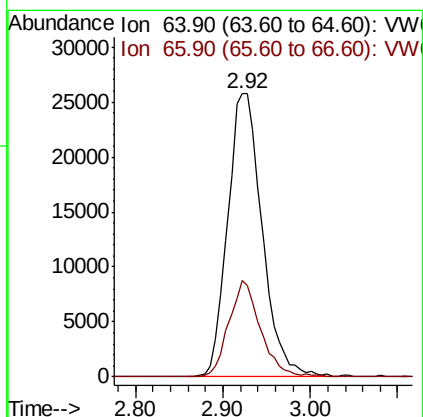
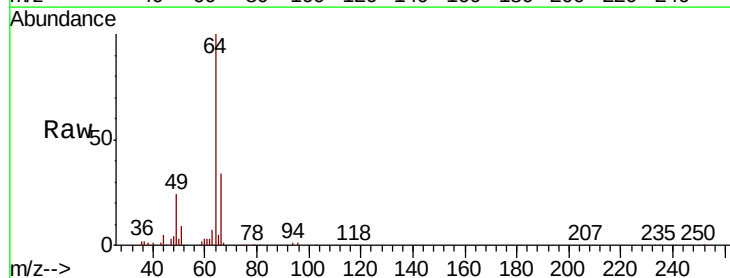
Acq: 12 Nov 2019 22:59

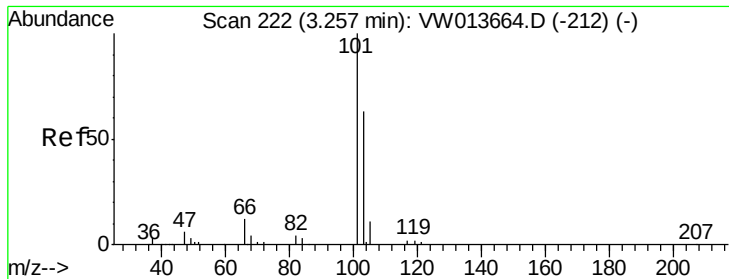
Tgt Ion: 64 Resp: 70664

Ion Ratio Lower Upper

64 100

66 34.1 25.4 38.0





#7

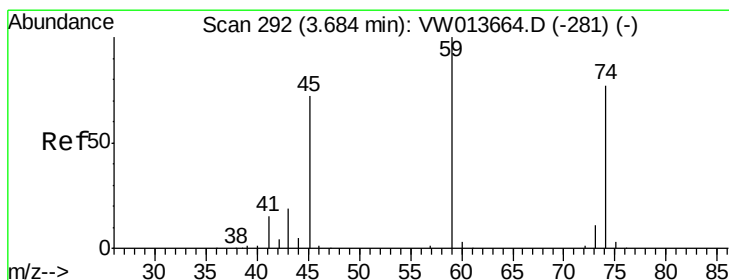
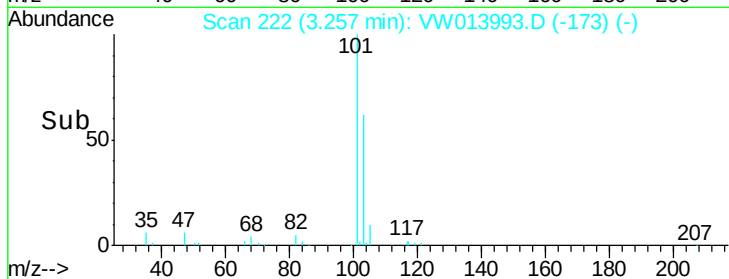
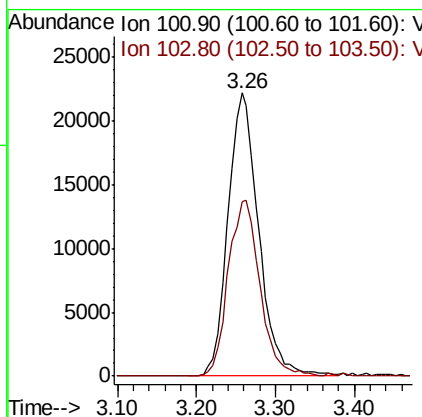
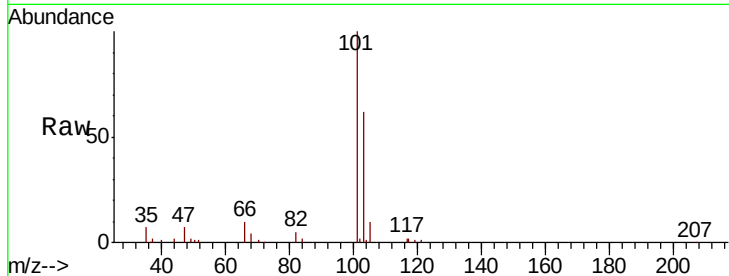
Trichlorofluoromethane
Concen: 42.273 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.6	76.0

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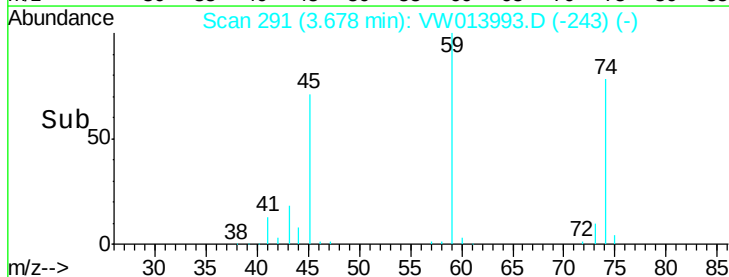
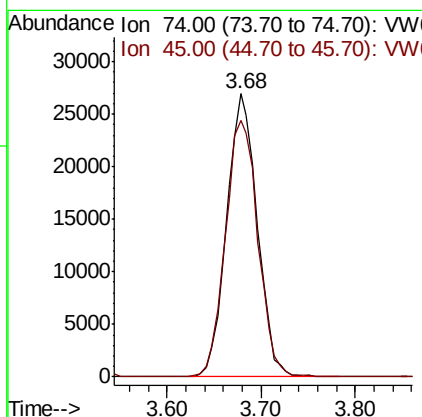
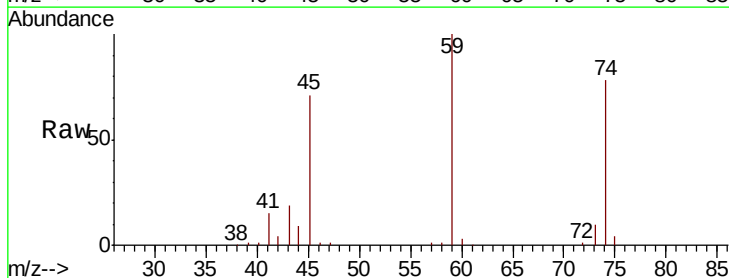
MMDadoda
11/13/2019 9:33:02 AM

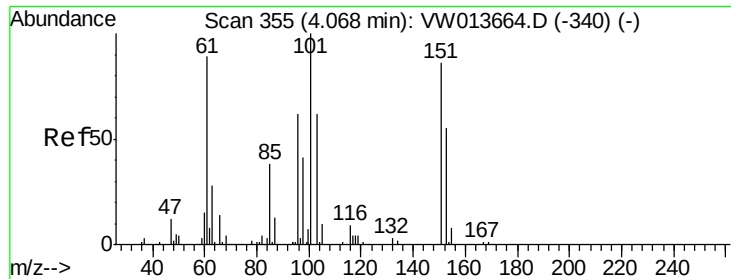


#8

Diethyl Ether
Concen: 52.774 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.435 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

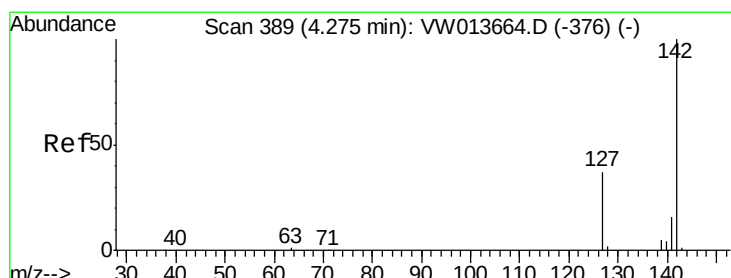
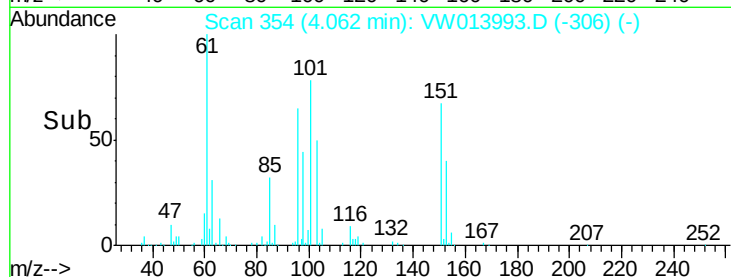
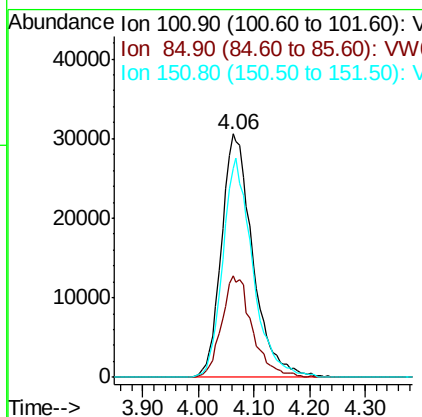
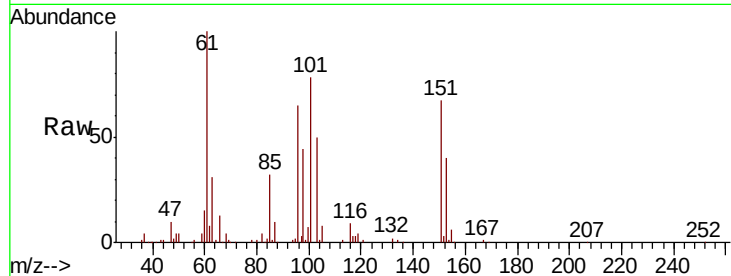
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	119084
Ion Ratio	Lower	Upper	
101	100		
85	40.5	31.0	46.6
151	86.6	68.2	102.4

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11/13/2019 9:33:02 AM



#10

Methyl Iodide

Concen: 51.220 ug/l

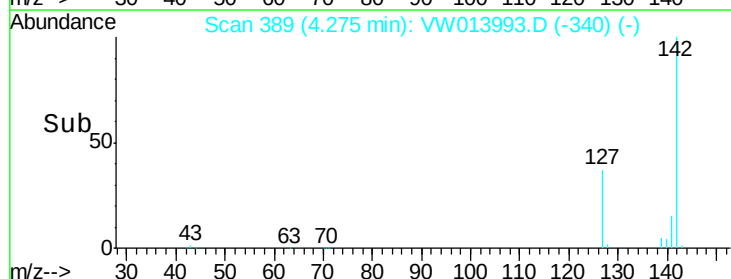
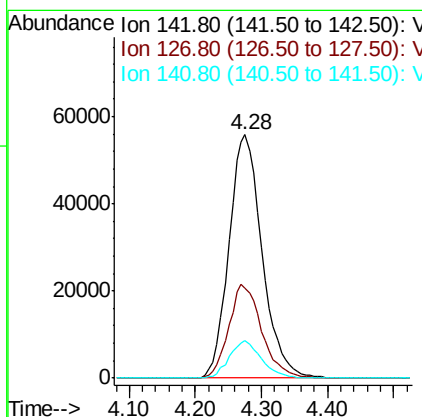
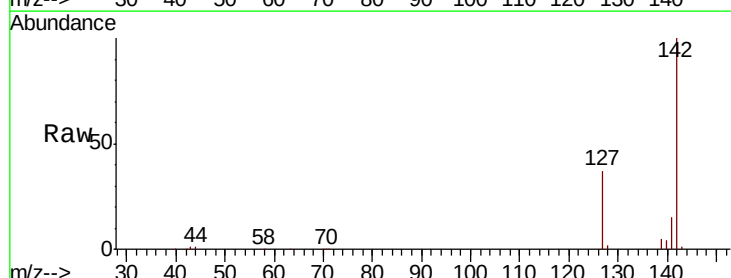
RT: 4.28 min Scan# 389

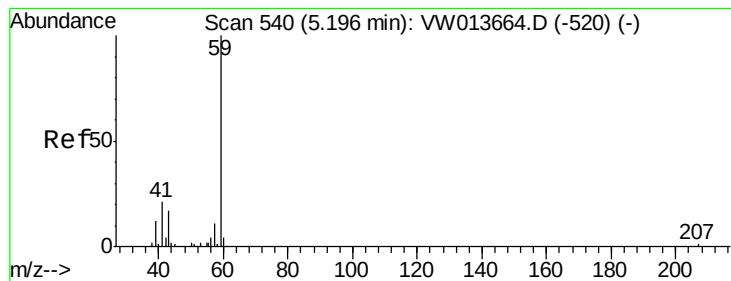
Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion:	142	Resp:	193242
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.3	45.5
141	14.8	11.8	17.8





#11

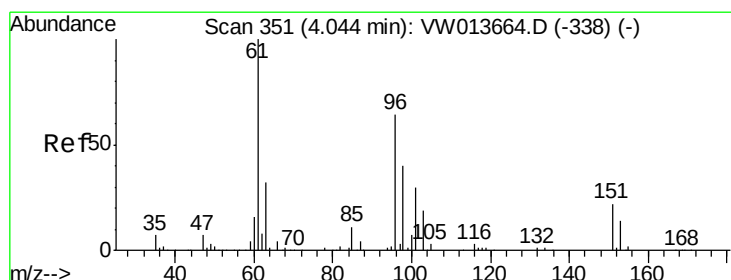
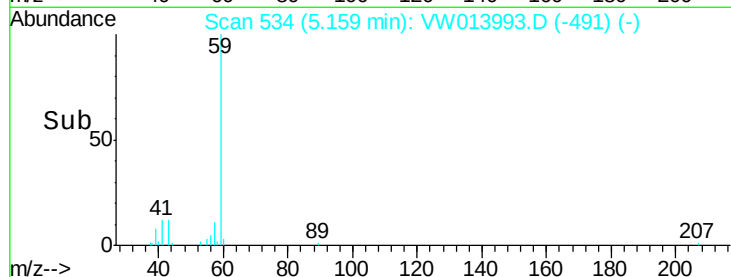
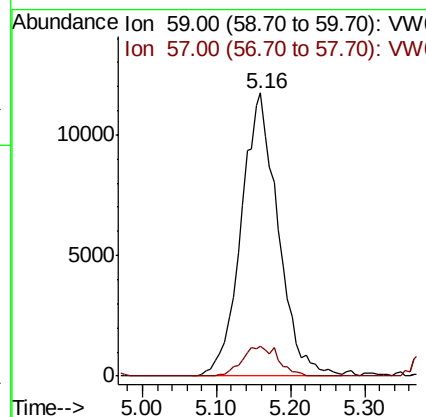
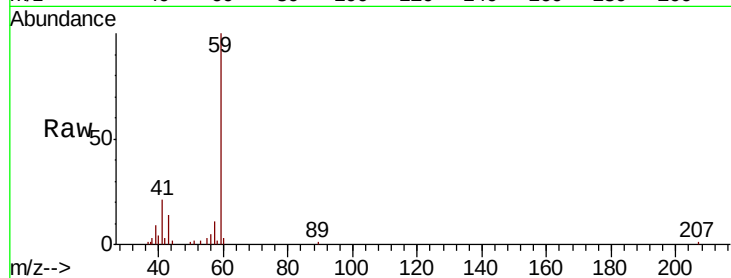
Tert butyl alcohol
Concen: 341.252 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.8	13.2

Manual Integrations
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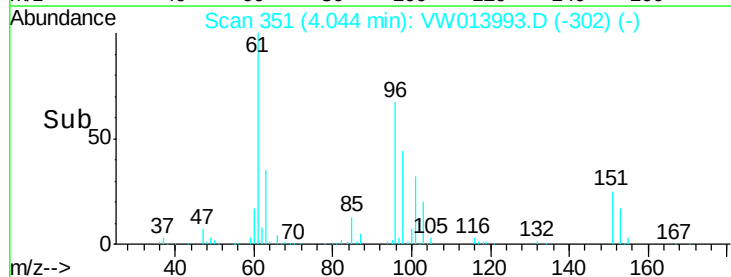
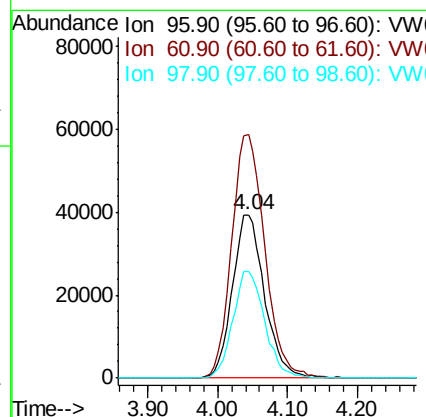
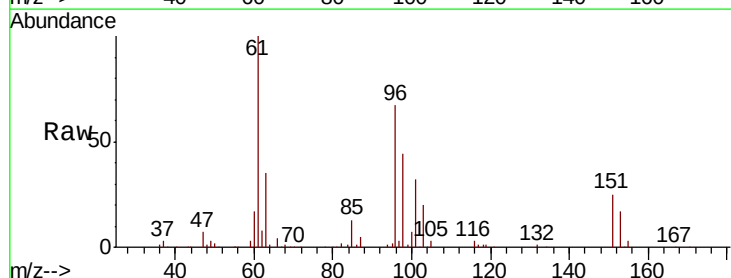
MMDadoda
11/13/2019 9:33:02 AM

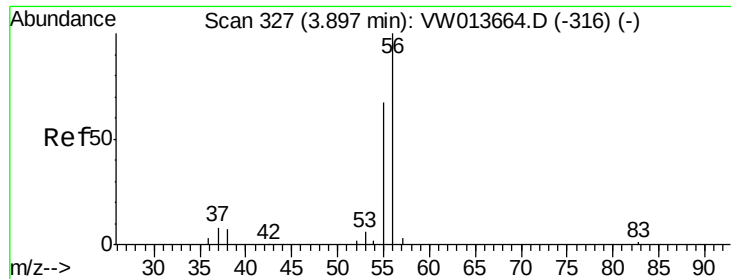


#12

1,1-Dichloroethene
Concen: 52.519 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	125.0	187.6
98	65.6	50.3	75.5





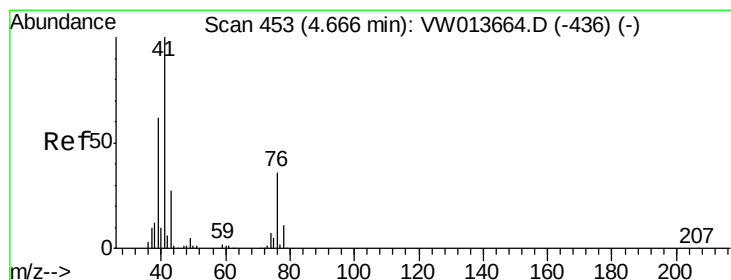
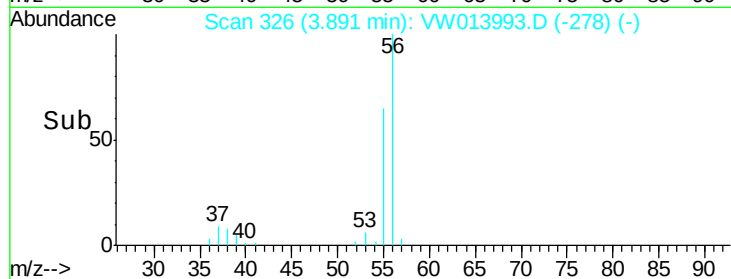
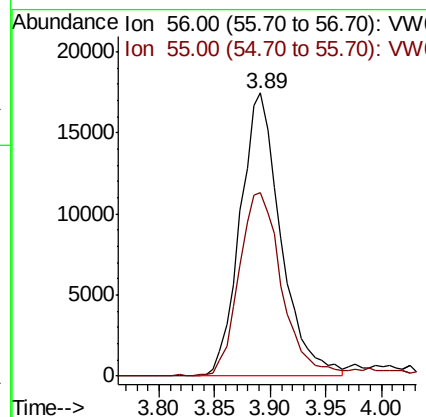
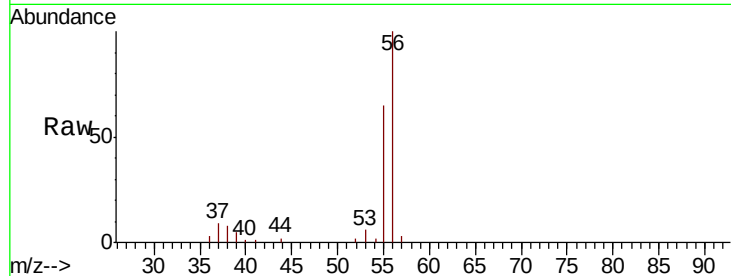
#13
Acrolein
Concen: 323.680 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Resp	Lower	Upper
44284	100	68.5		56.1	84.1

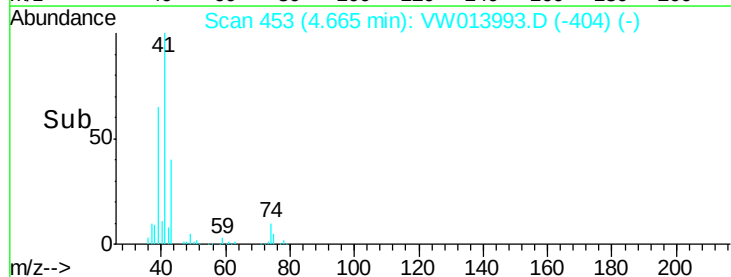
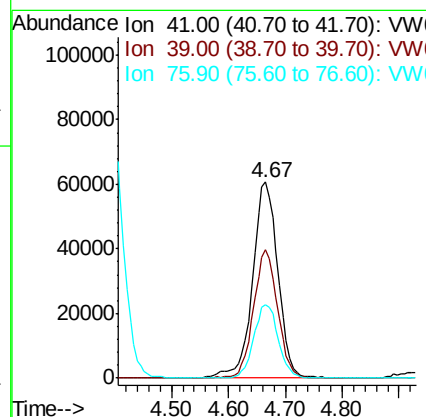
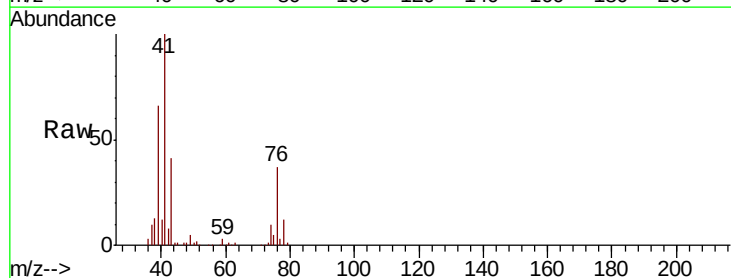
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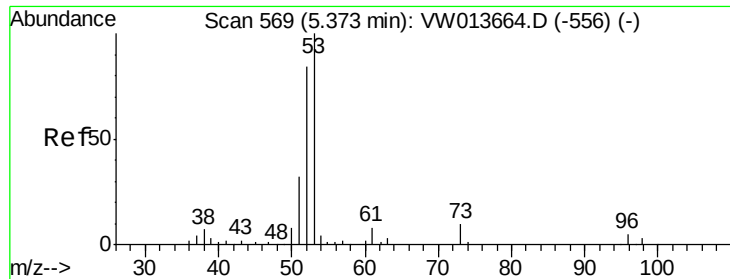
MMDadoda
11/13/2019 9:33:02 AM



#14
Allyl chloride
Concen: 51.030 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	41	39	76	Resp	Lower	Upper
187657	100	62.2	35.8		50.0	75.0
					29.6	44.4





#15

Acrylonitrile

Concen: 284.575 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

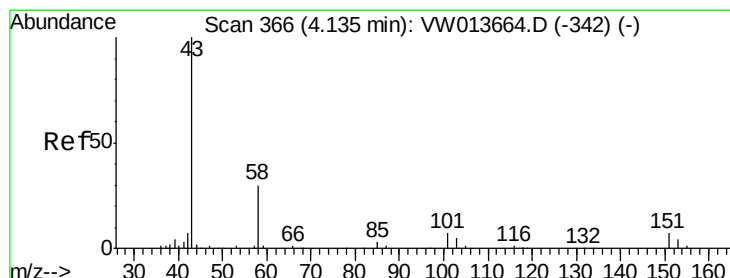
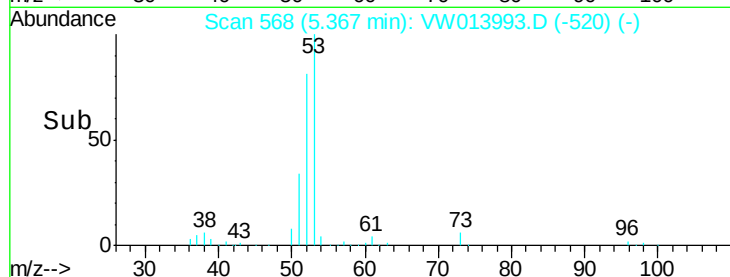
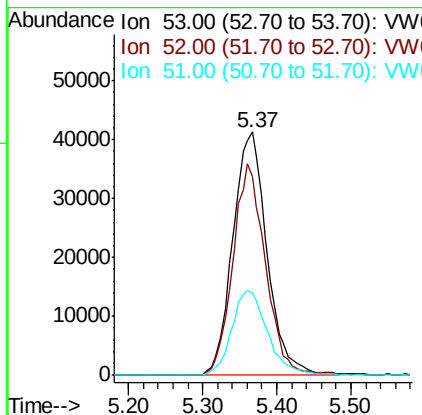
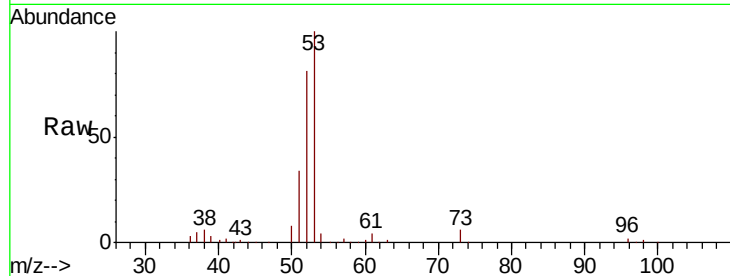
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	133143
Ion Ratio	Lower	Upper	
53	100		
52	82.8	67.4	101.0
51	36.5	29.1	43.7

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#16

Acetone

Concen: 276.296 ug/l

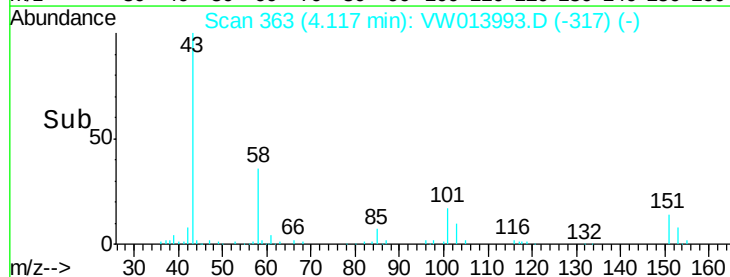
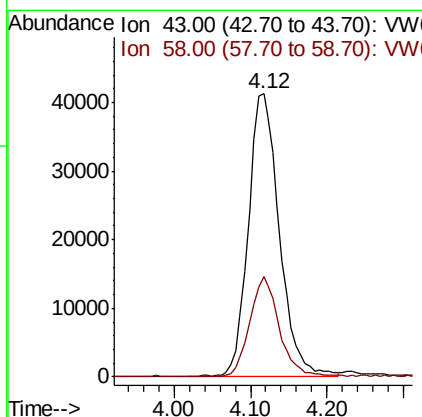
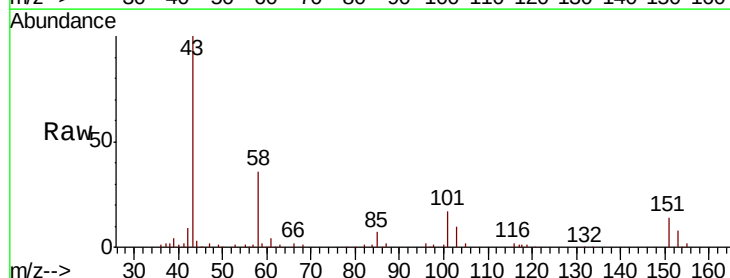
RT: 4.12 min Scan# 363

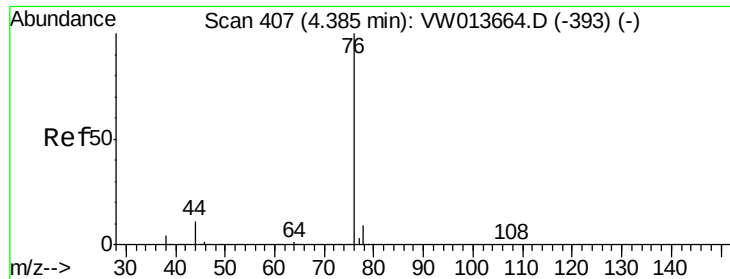
Delta R.T. -0.02 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion:	43	Resp:	117190
Ion Ratio	Lower	Upper	
43	100		
58	35.4	24.1	36.1





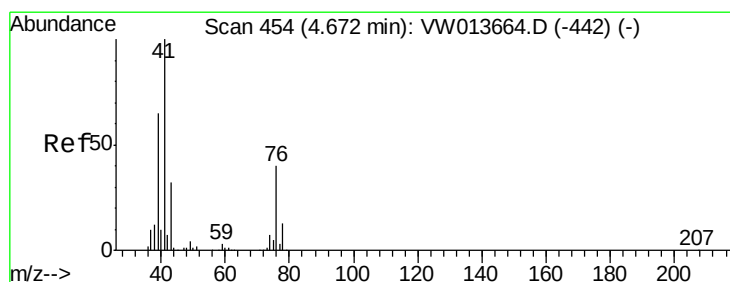
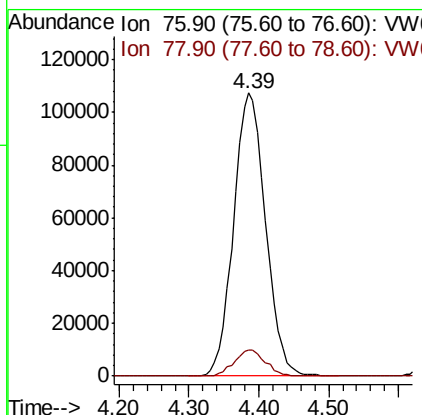
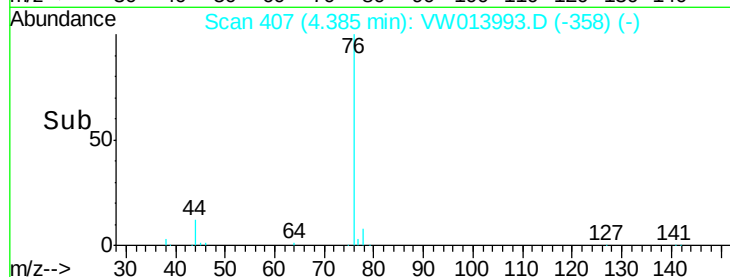
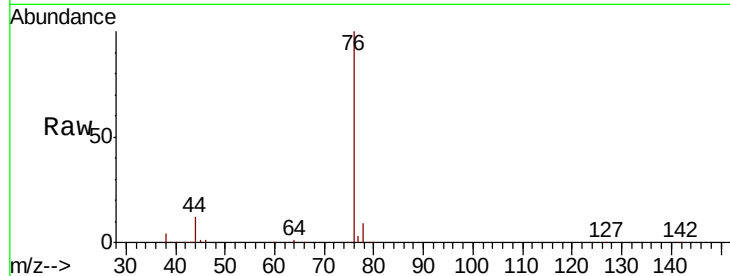
#17
Carbon Disulfide
Concen: 49.479 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

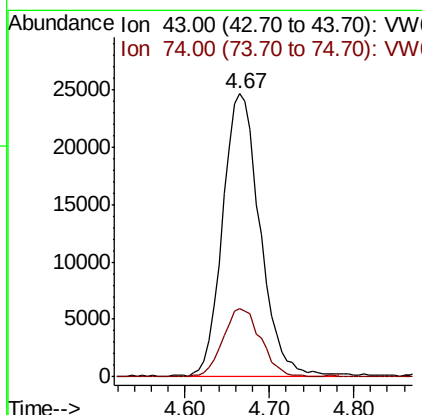
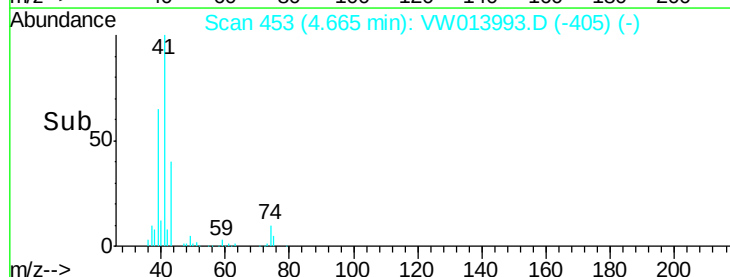
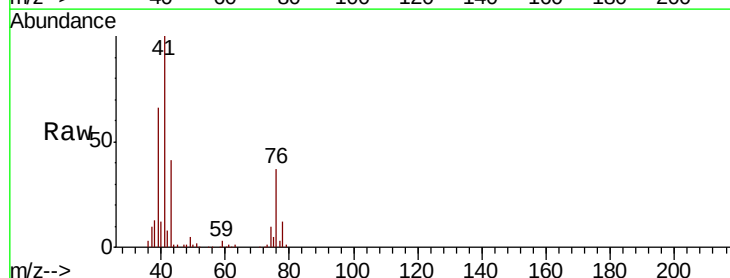
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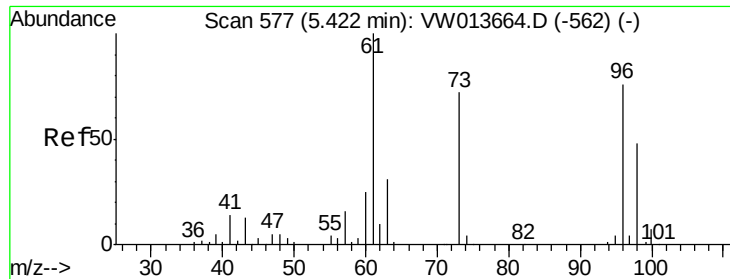
MMDadoda
11/13/2019 9:33:02 AM



#18
Methyl Acetate
Concen: 63.523 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





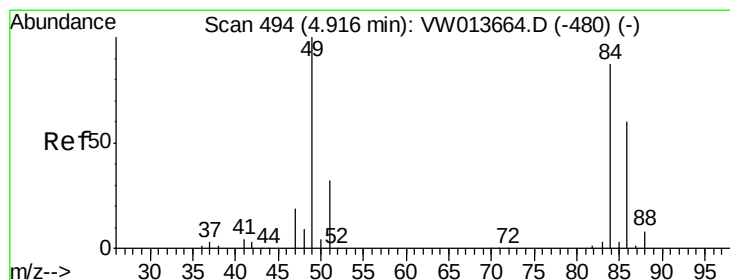
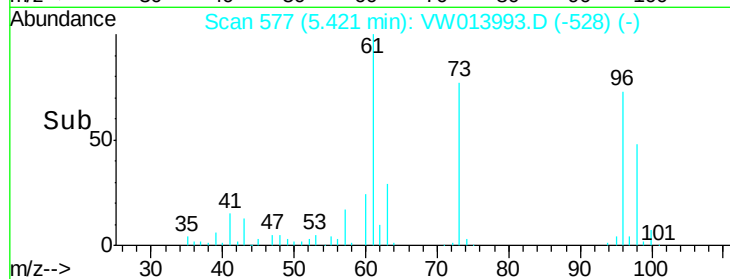
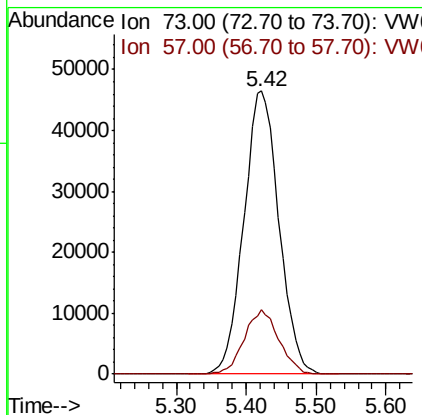
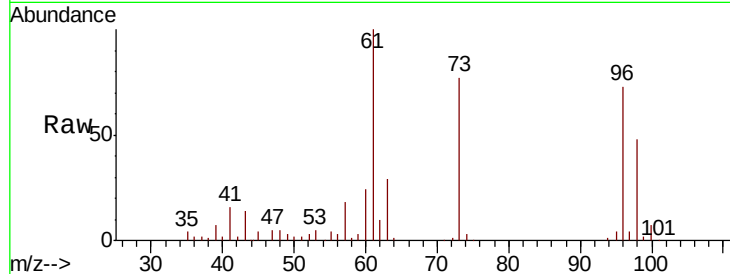
#19
Methyl tert-butyl Ether
Concen: 56.333 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 161670
Ion Ratio Lower Upper
73 100
57 22.8 17.6 26.4

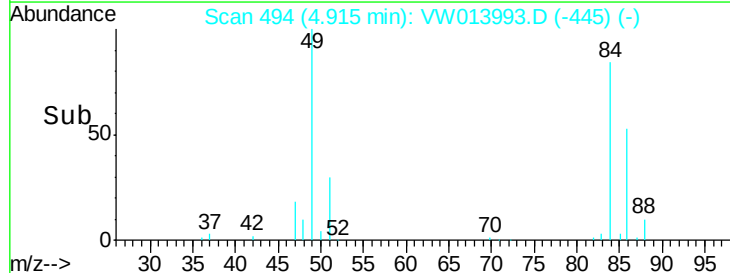
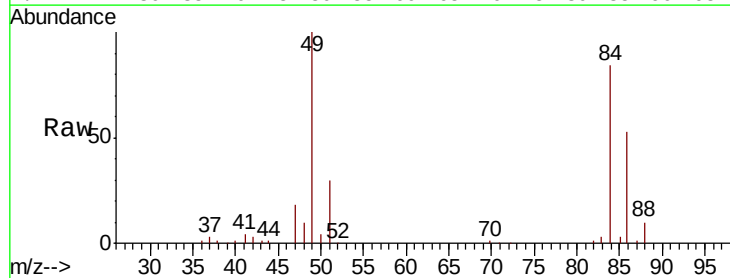
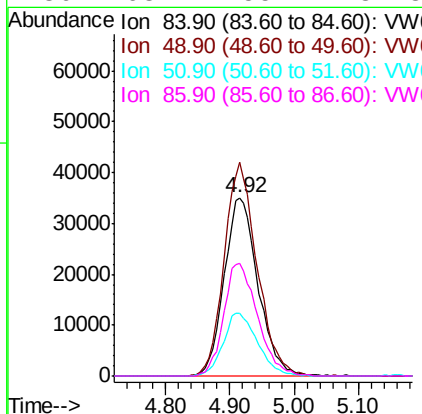
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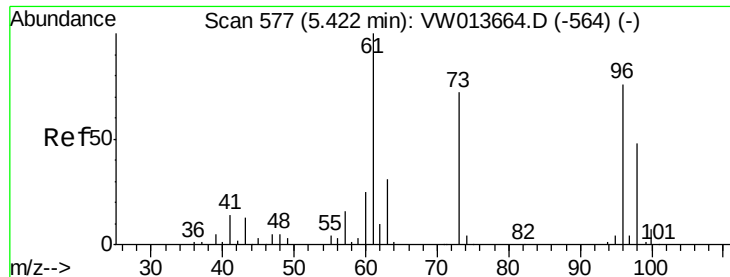
MMDadoda
11/13/2019 9:33:02 AM



#20
Methylene Chloride
Concen: 55.741 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 84 Resp: 128806
Ion Ratio Lower Upper
84 100
49 119.3 91.8 137.6
51 35.3 29.8 44.6
86 63.1 55.2 82.8





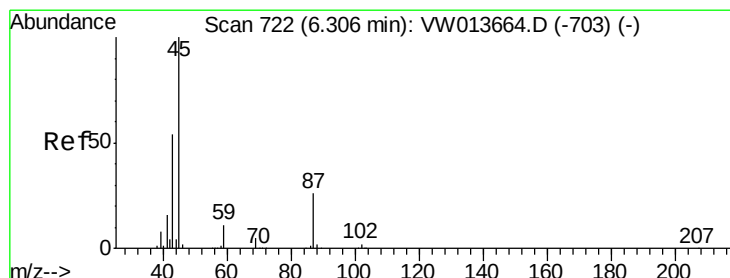
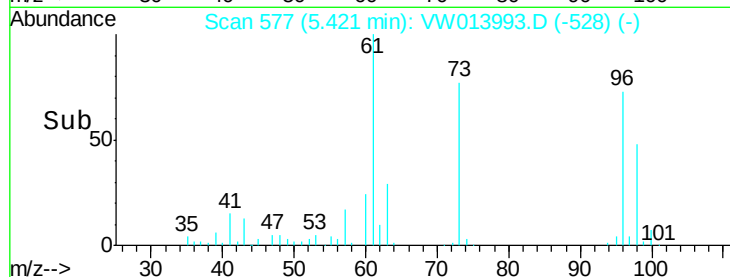
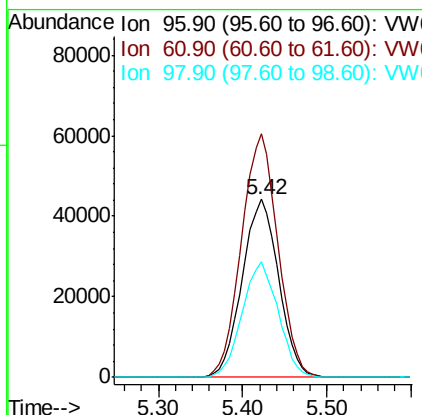
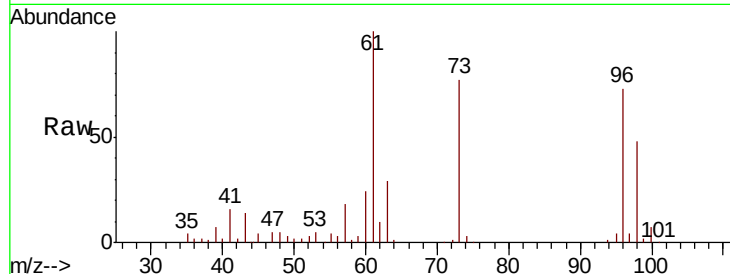
#21
trans-1,2-Dichloroethene
Concen: 50.610 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	104.8	157.2
98	65.1	50.6	76.0

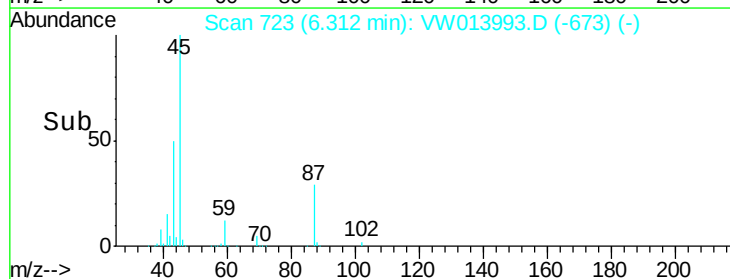
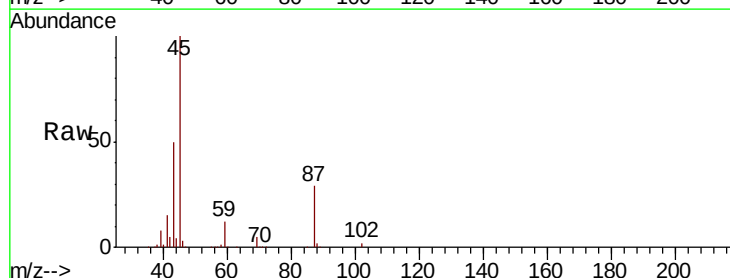
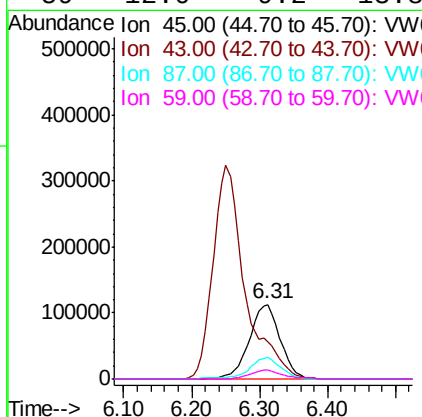
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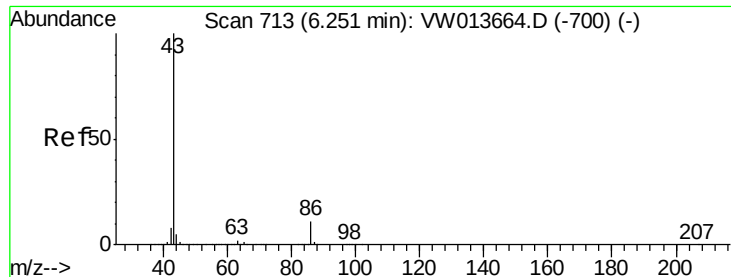
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#22
Diisopropyl ether
Concen: 53.677 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	49.6	43.4	65.2
87	28.9	21.5	32.3
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 270.750 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1053818

Ion Ratio Lower Upper

43 100

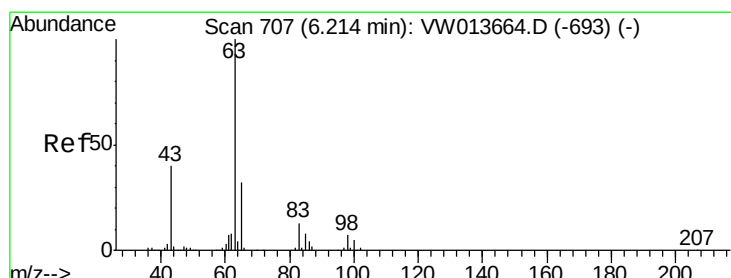
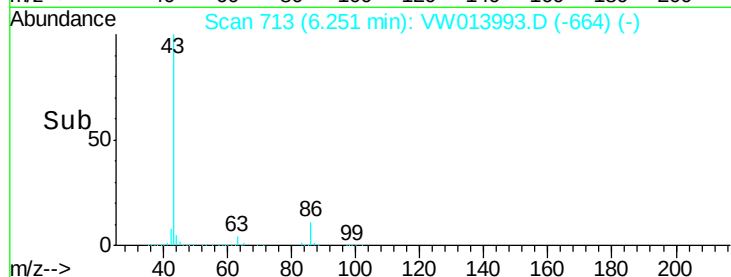
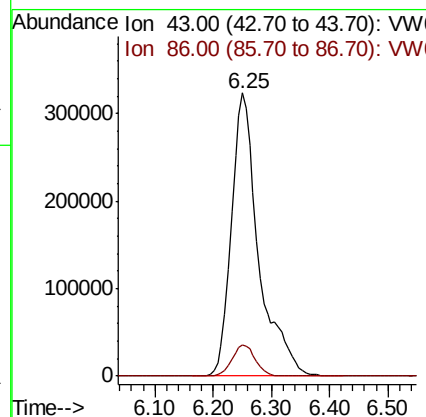
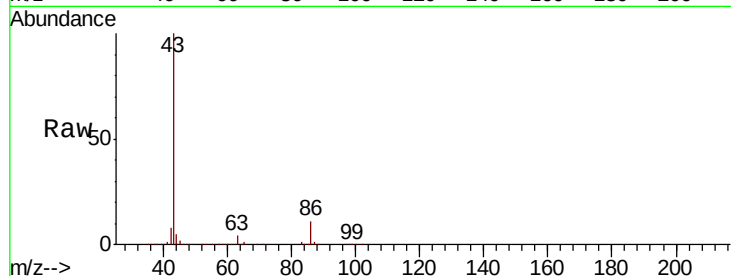
86 10.8 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.548 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

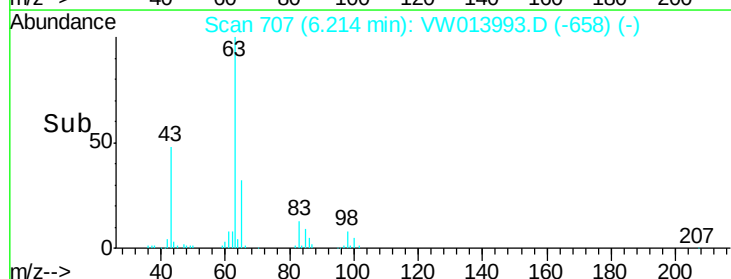
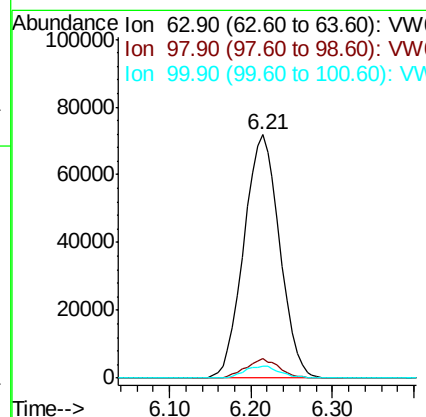
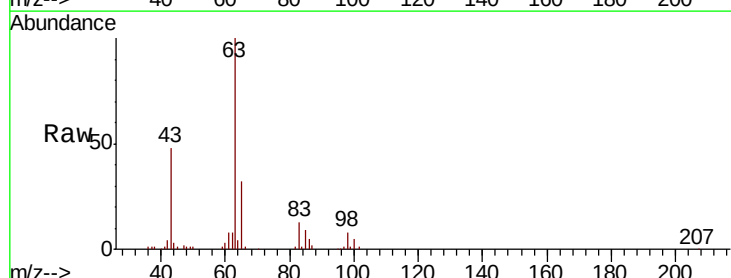
Tgt Ion: 63 Resp: 218992

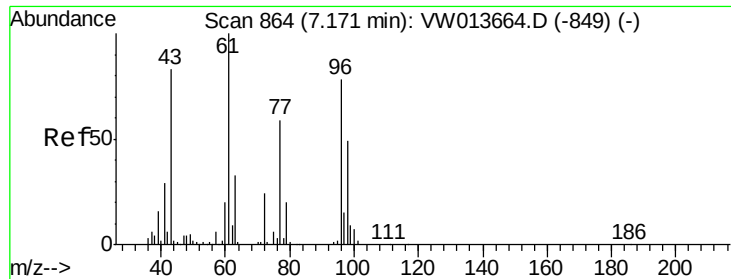
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 5.0 2.5 7.4





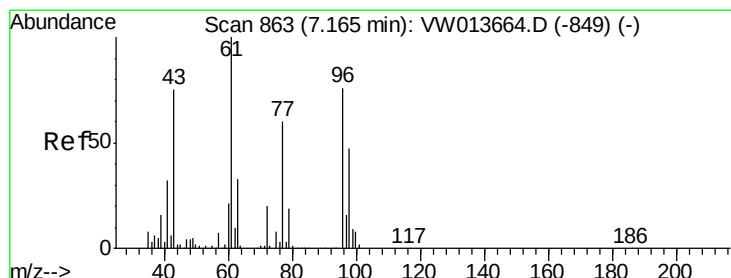
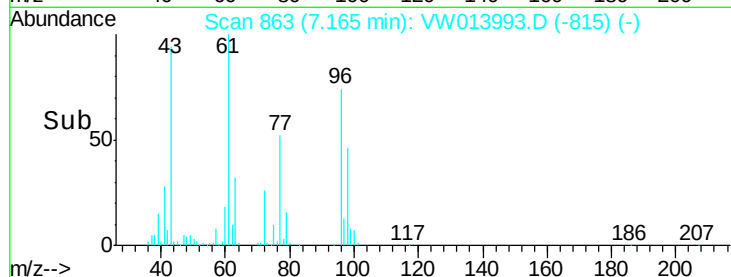
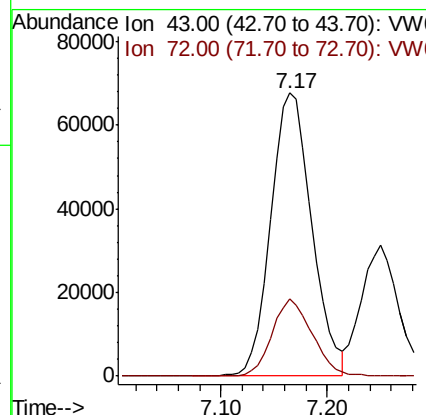
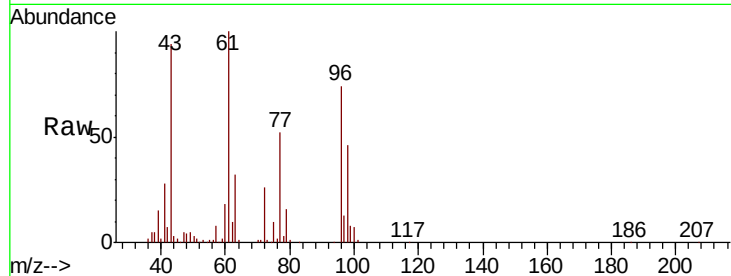
#25
2-Butanone
Concen: 296.962 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 181085
Ion Ratio Lower Upper
43 100
72 27.5 23.6 35.4

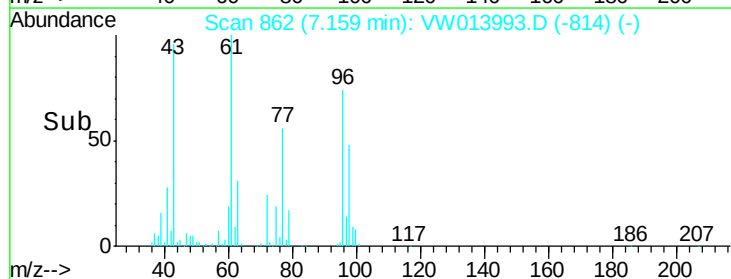
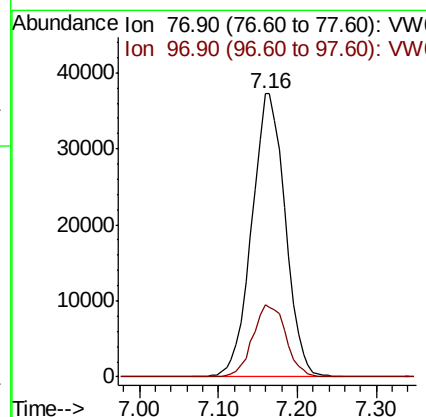
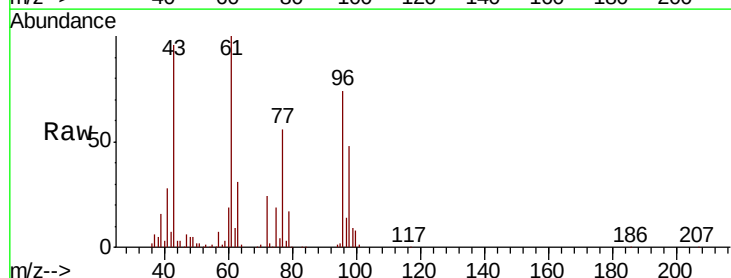
Manual Integrations
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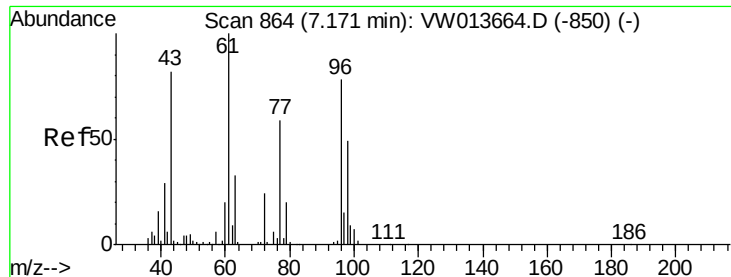
MMDadoda
11/13/2019 9:33:02 AM



#26
2,2-Dichloropropane
Concen: 44.743 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion: 77 Resp: 109915
Ion Ratio Lower Upper
77 100
97 25.2 12.8 38.4





#27

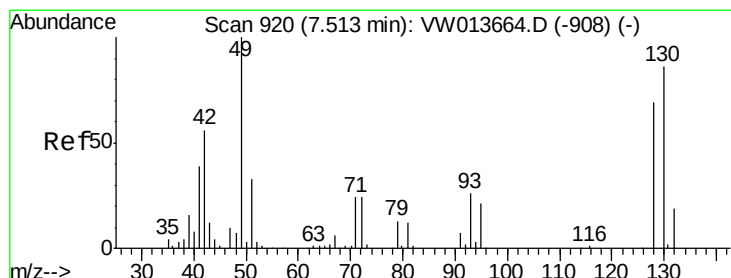
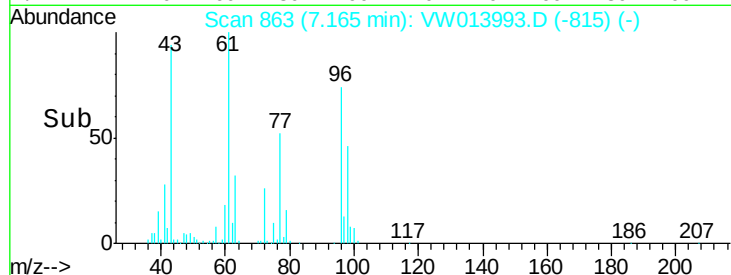
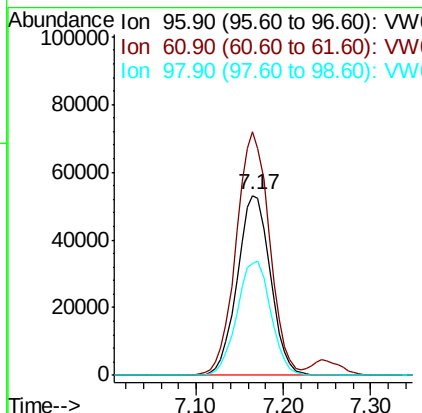
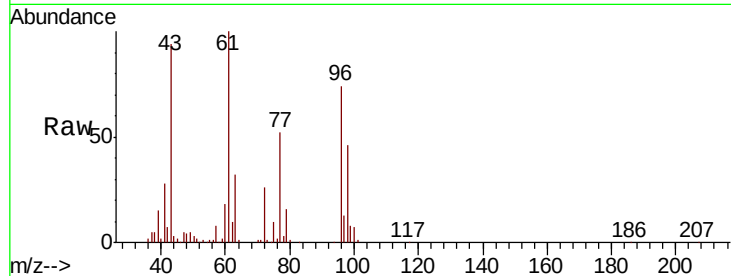
cis-1,2-Dichloroethene
Concen: 51.142 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	266.0
98	64.9	0.0	126.8

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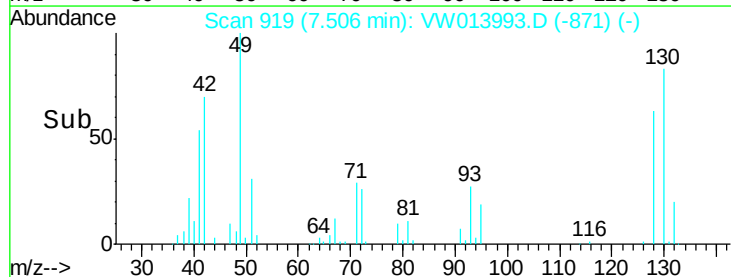
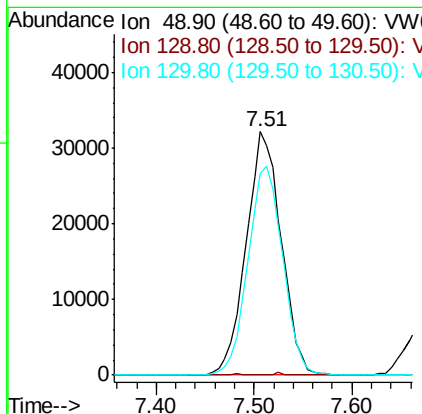
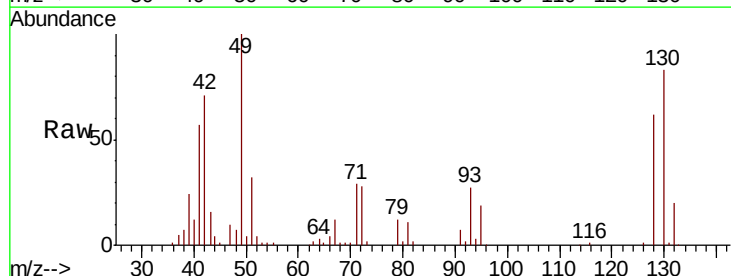
MMDadoda
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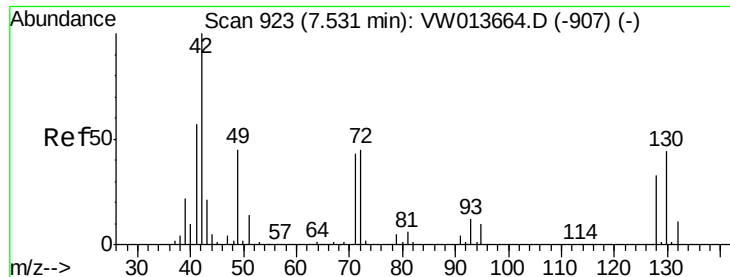


#28

Bromochloromethane
Concen: 52.781 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	0.6
130	85.2	67.5	101.3





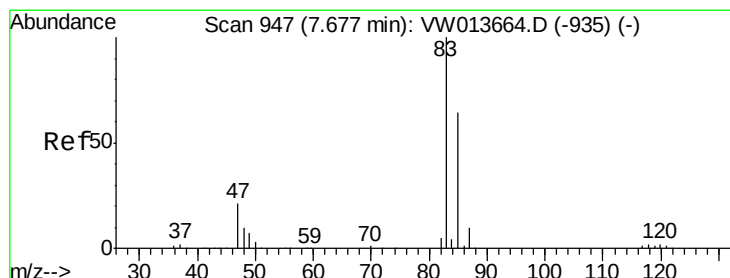
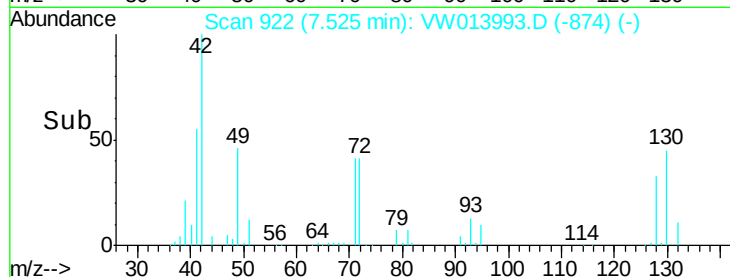
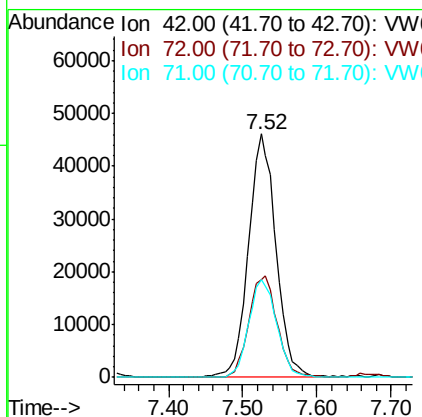
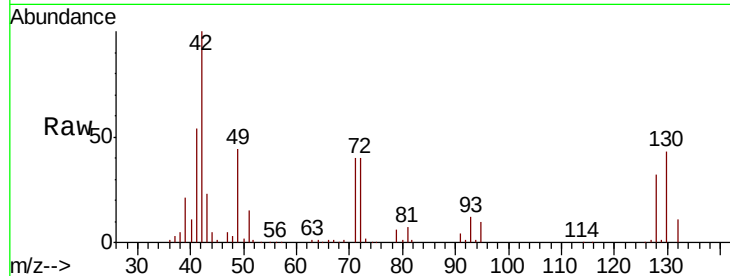
#29
Tetrahydrofuran
Concen: 316.531 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.3	52.9
71	40.8	33.3	49.9

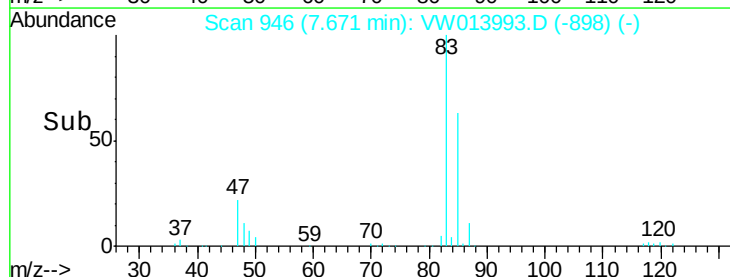
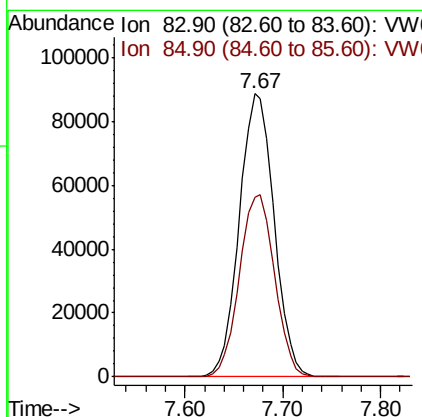
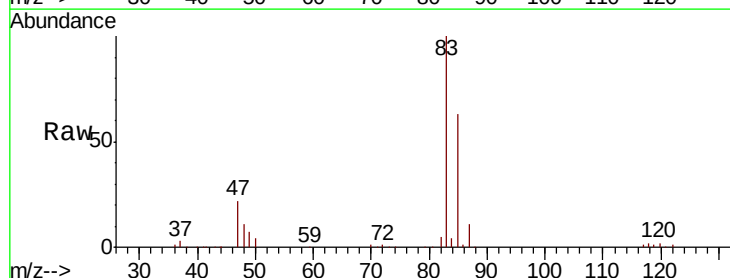
Manual Integrations
APPROVED

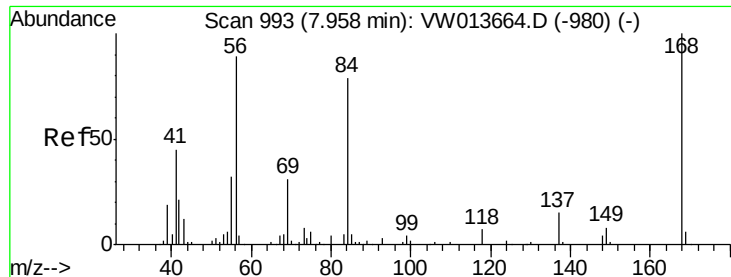
MMDadoda
11/13/2019 9:33:02 AM



#30
Chloroform
Concen: 52.137 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2





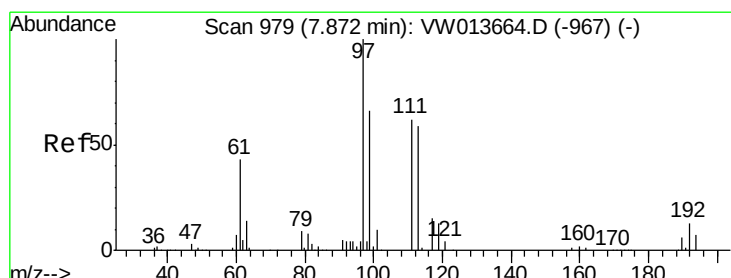
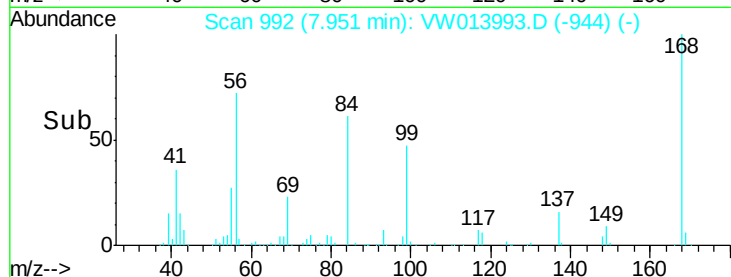
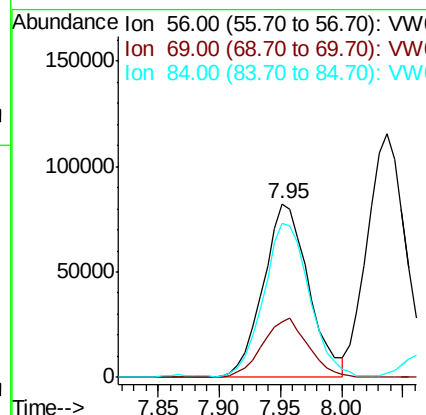
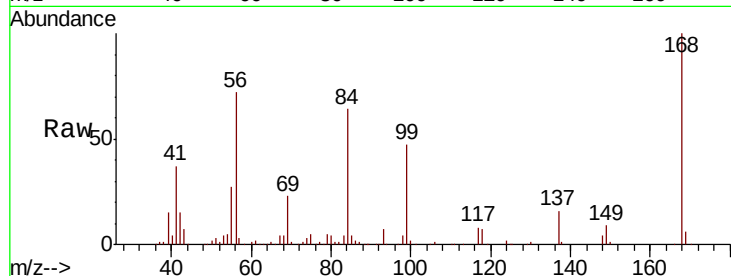
#31
Cyclohexane
Concen: 47.783 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	27.5	41.3
84	87.4	70.8	106.2

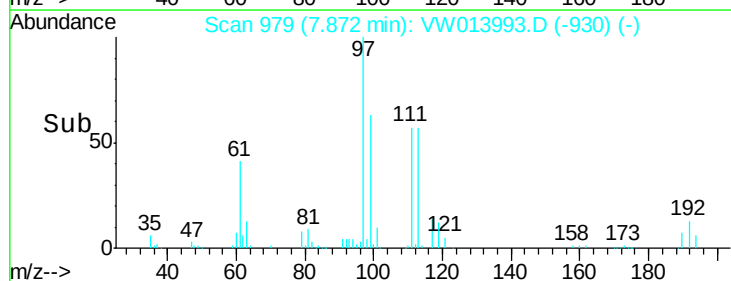
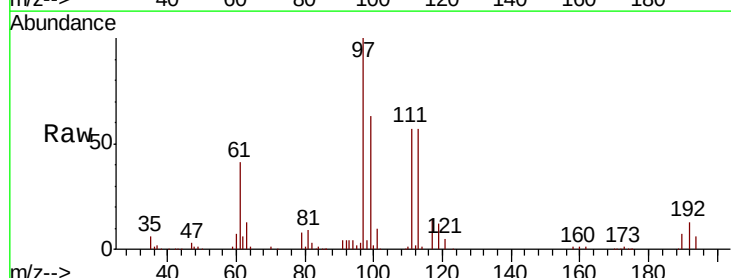
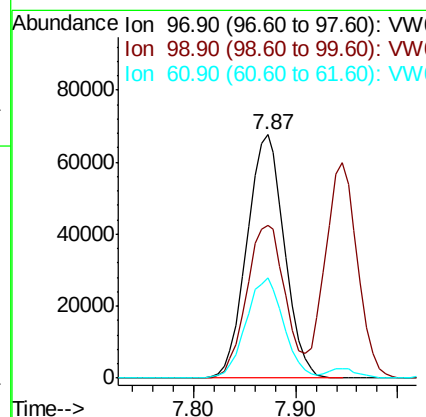
Manual Integrations
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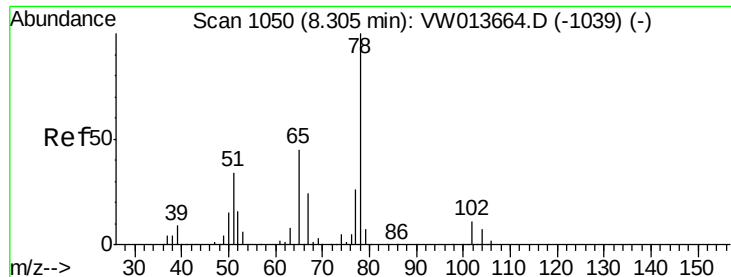
MMDadoda
11/13/2019 9:33:02 AM



#32
1,1,1-Trichloroethane
Concen: 52.317 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	41.4	33.8	50.6





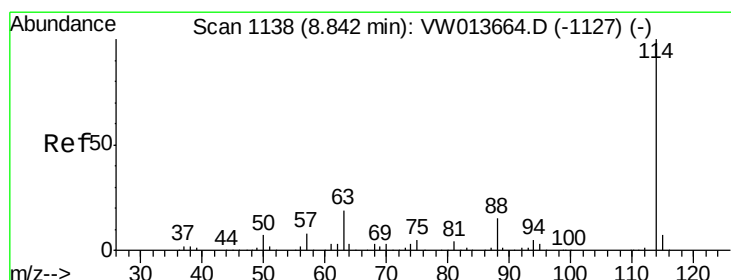
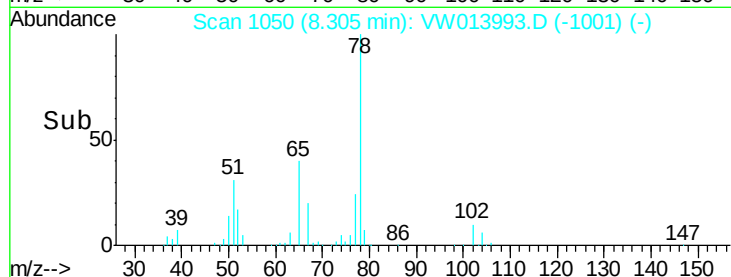
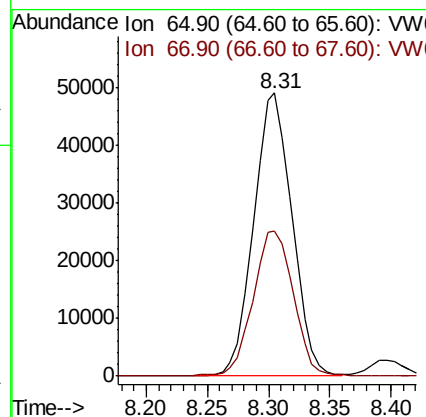
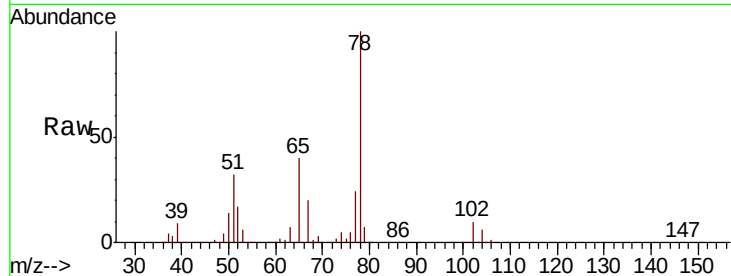
#33
 1,2-Dichloroethane-d4
 Concen: 53.788 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	109.4

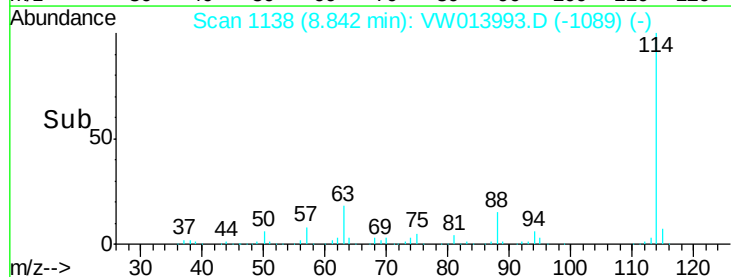
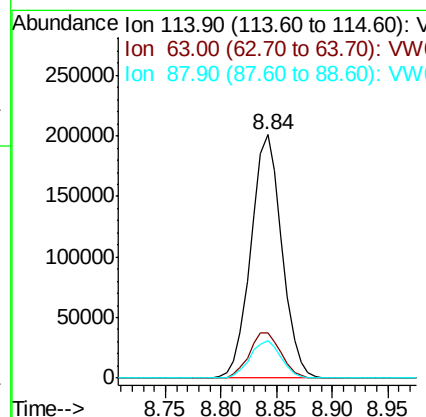
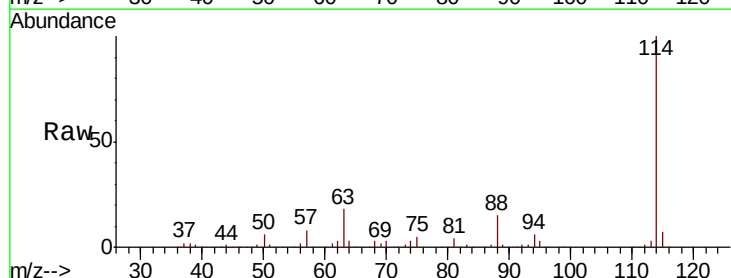
Manual Integrations
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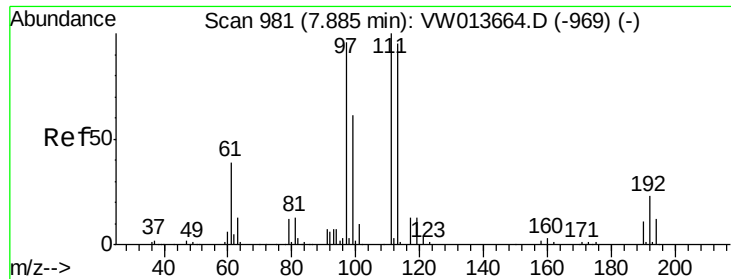
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 11/13/2019 9:33:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	37.6
88	15.5	0.0	30.2





#35

Dibromofluoromethane

Concen: 50.101 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

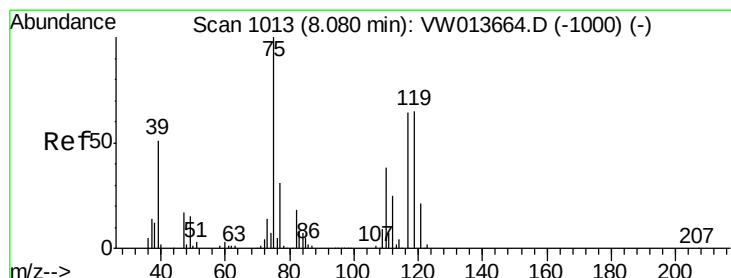
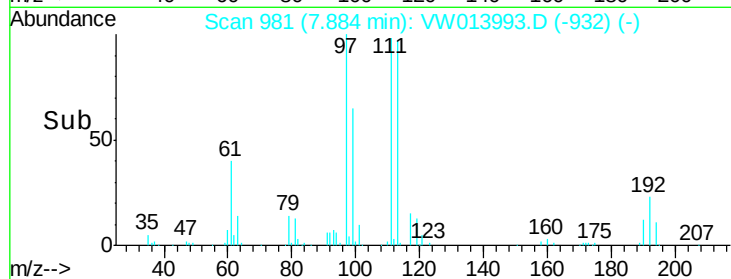
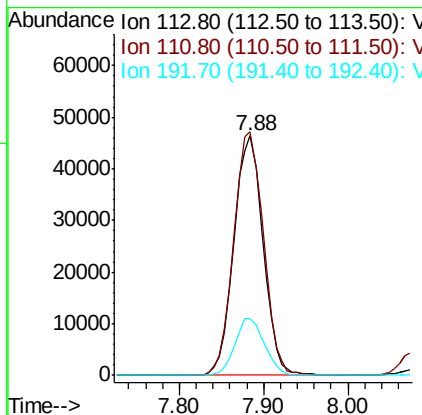
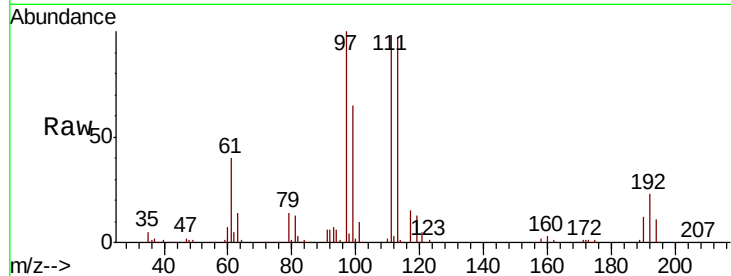
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	108491
Ion Ratio	Lower	Upper	
113	100		
111	103.3	83.0	124.6
192	23.9	19.4	29.2

Manual Integrations
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11/13/2019 9:33:02 AM



#36

1,1-Dichloropropene

Concen: 49.766 ug/l

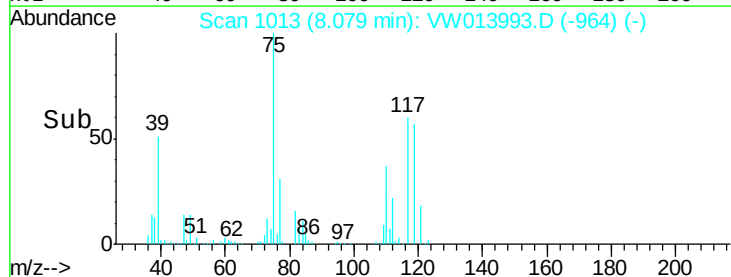
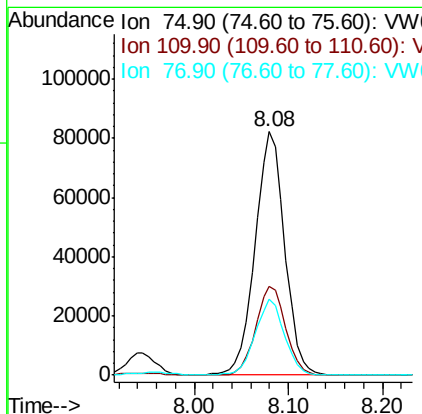
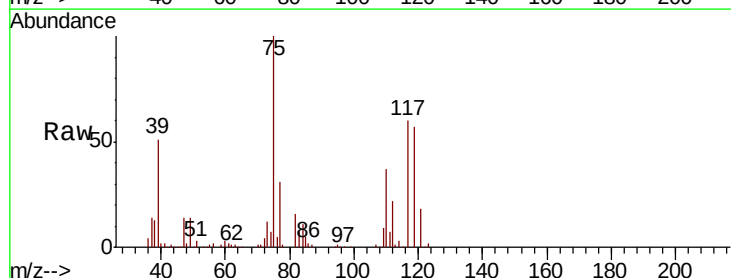
RT: 8.08 min Scan# 1013

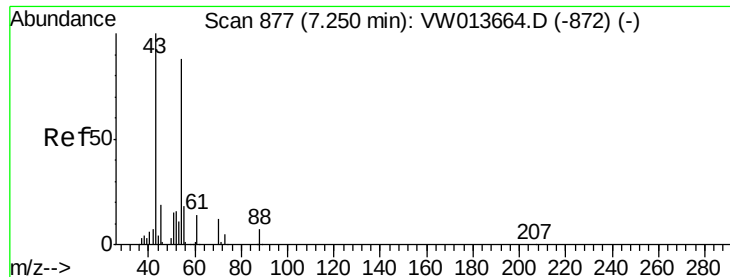
Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion:	75	Resp:	180620
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.7	56.1
77	30.9	25.4	38.0





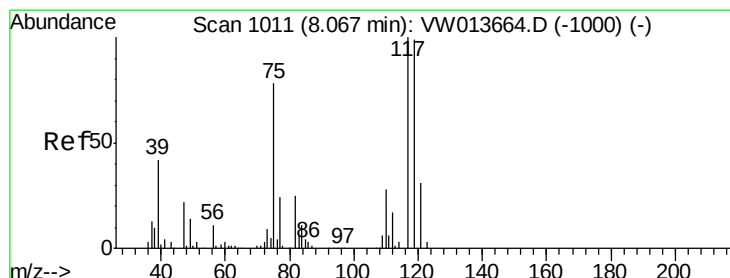
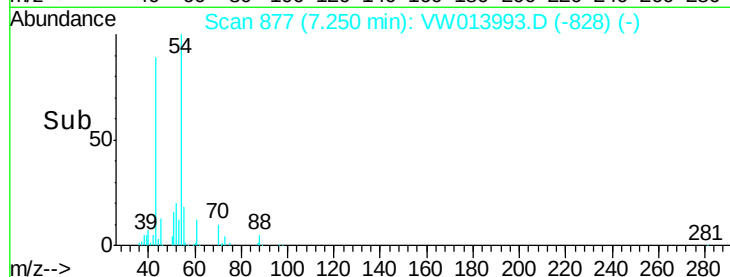
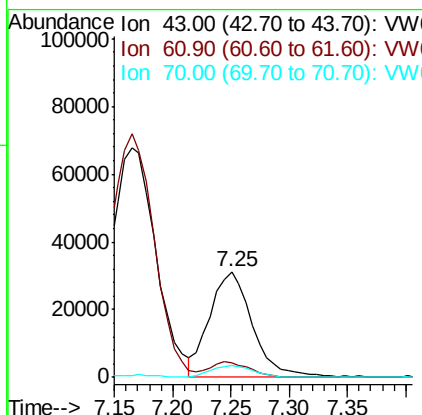
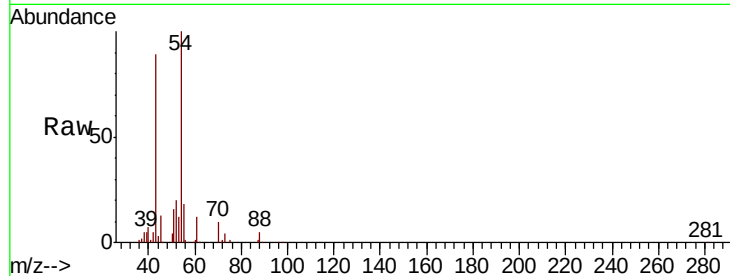
#37
Ethyl Acetate
Concen: 56.101 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	11.4	8.8	13.2

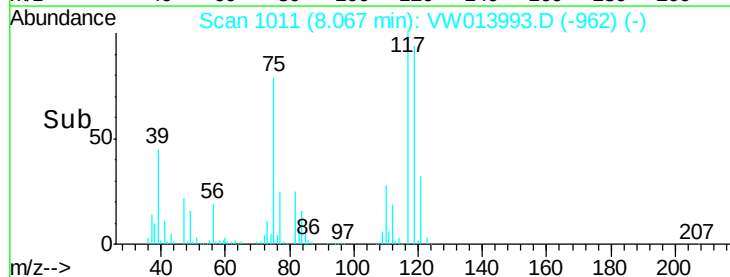
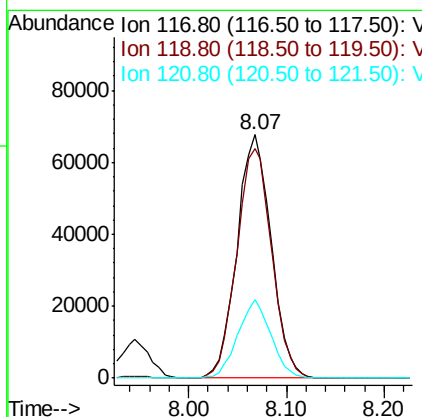
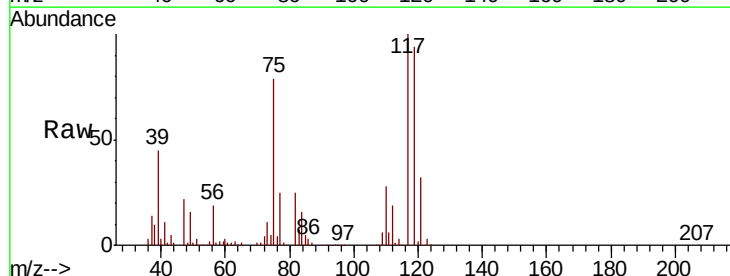
Manual Integrations
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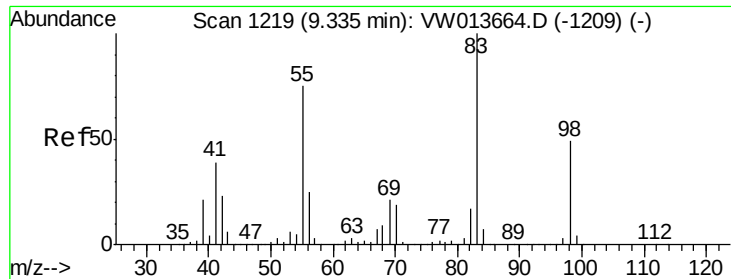
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#38
Carbon Tetrachloride
Concen: 50.219 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	79.0	118.4
121	32.2	24.5	36.7





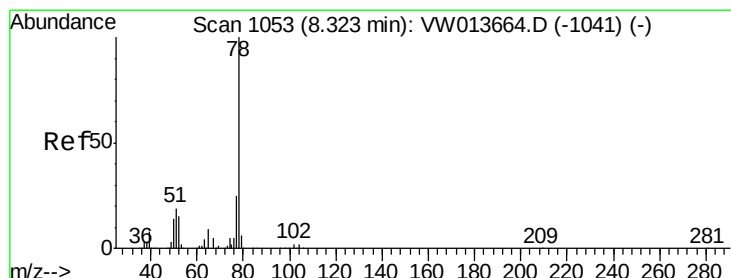
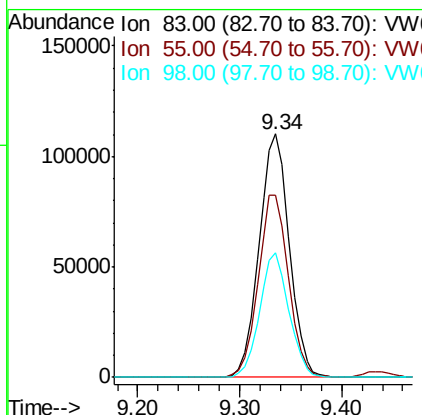
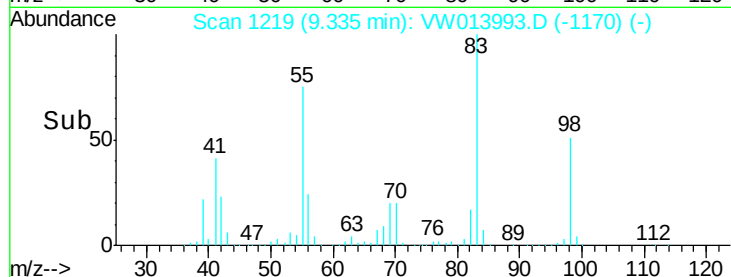
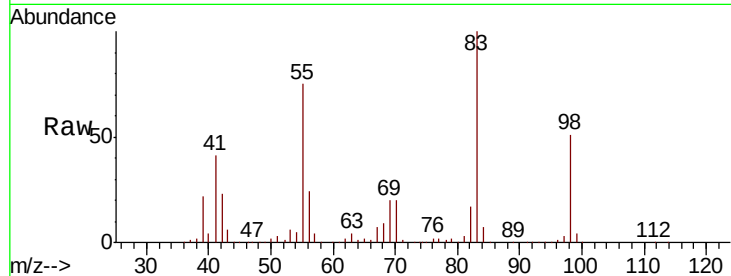
#39
Methylvlcyclohexane
Concen: 48.211 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.9	89.9
98	51.1	39.4	59.2

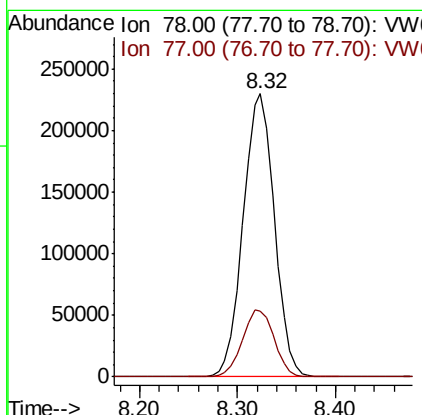
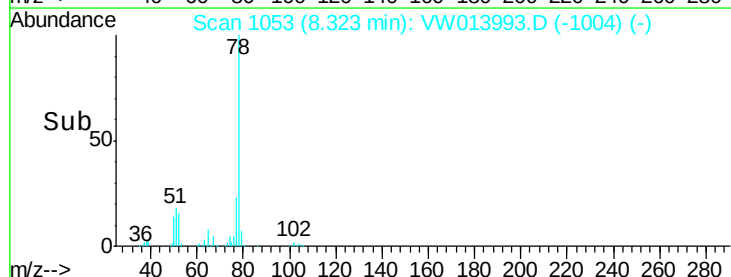
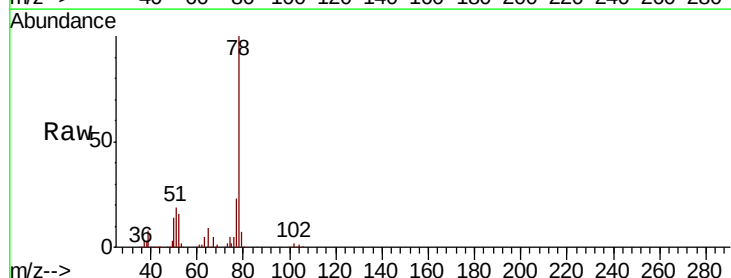
Manual Integrations
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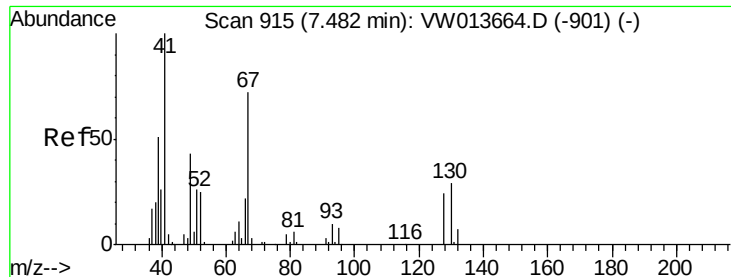
MMDadoda
11/13/2019 9:33:02 AM



#40
Benzene
Concen: 49.654 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.6	29.4





#41

Methacrylonitrile

Concen: 56.482 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 48934

Ion Ratio Lower Upper

41 100

39 56.9 44.8 67.2

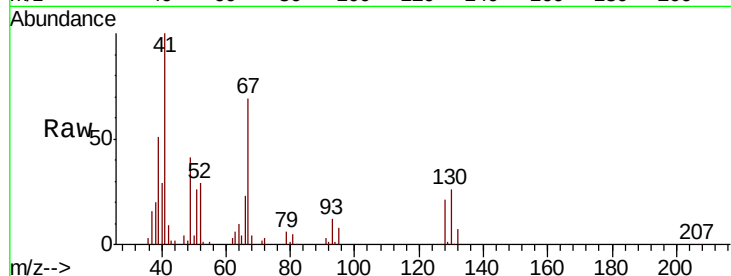
67 69.3 59.3 88.9

52 27.1 23.4 35.0

Manual Integrations
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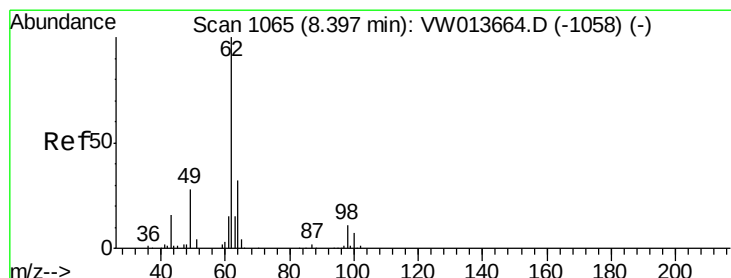
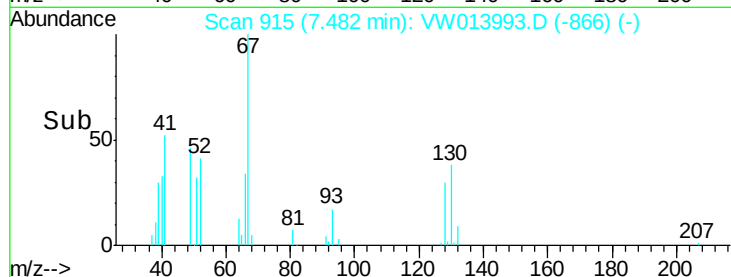
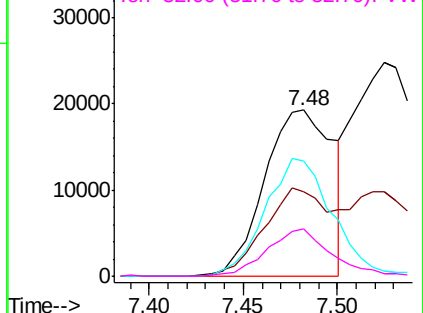


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 52.691 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013993.D

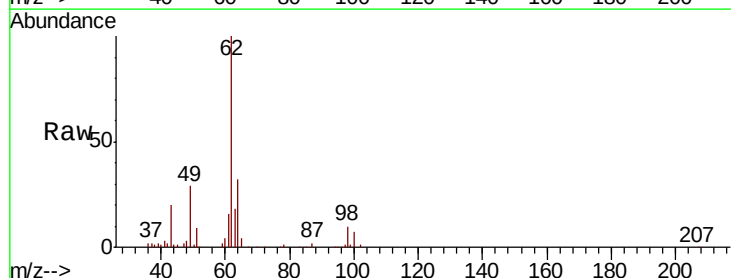
Acq: 12 Nov 2019 22:59

Tgt Ion: 62 Resp: 136378

Ion Ratio Lower Upper

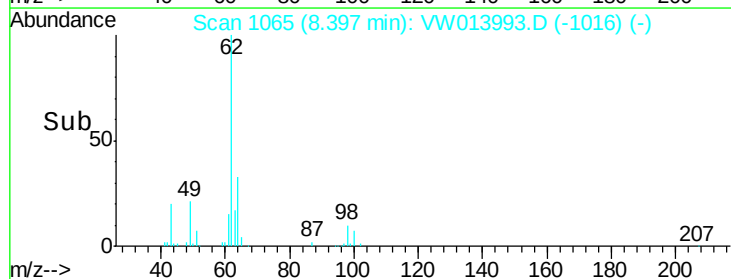
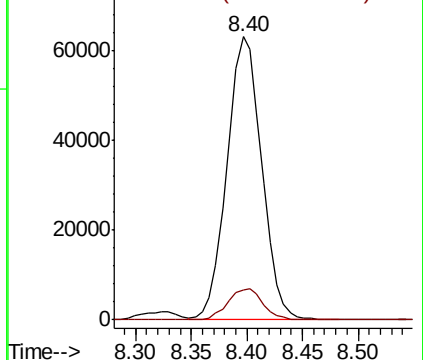
62 100

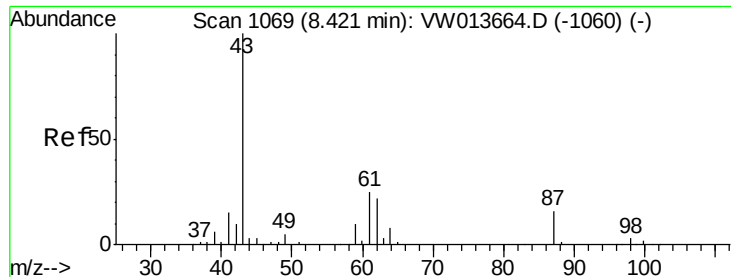
98 10.9 0.0 22.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 56.353 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

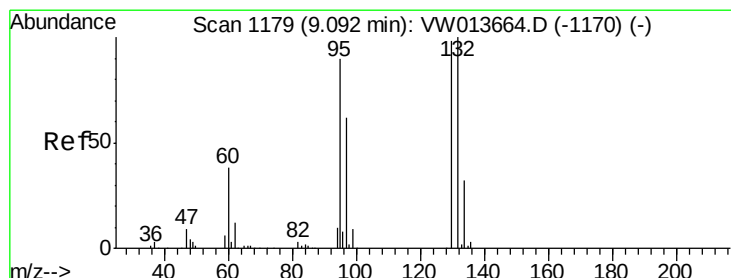
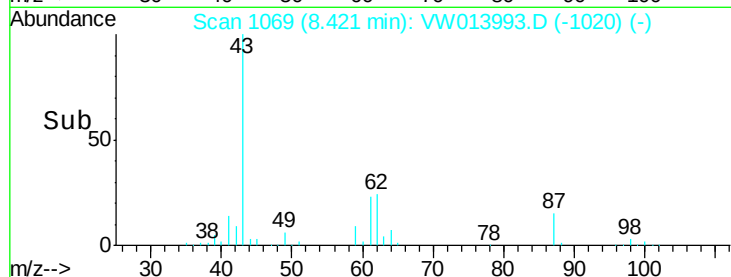
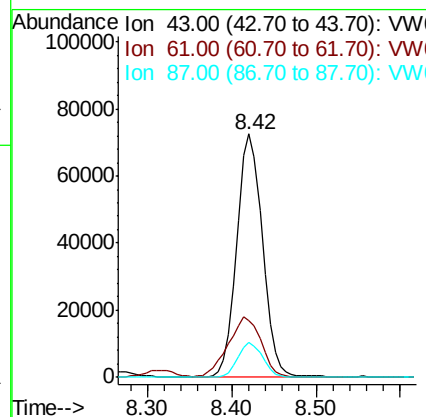
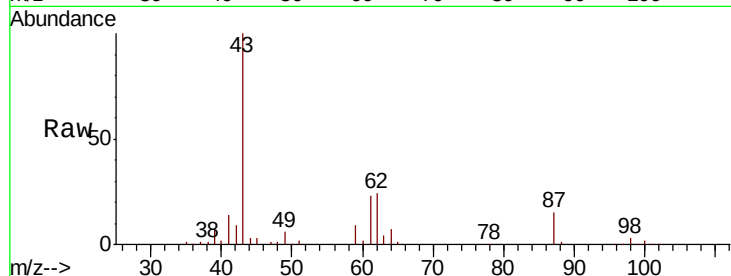
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	149864
Ion	Ratio	Lower	Upper
43	100		
61	32.0	26.1	39.1
87	13.8	11.4	17.0

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#44

Trichloroethene

Concen: 49.603 ug/l

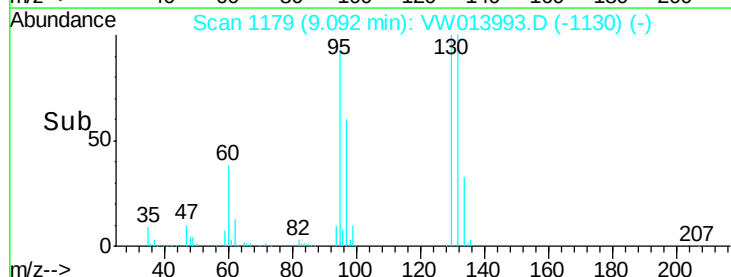
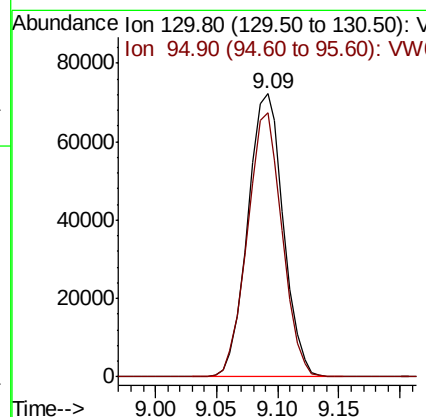
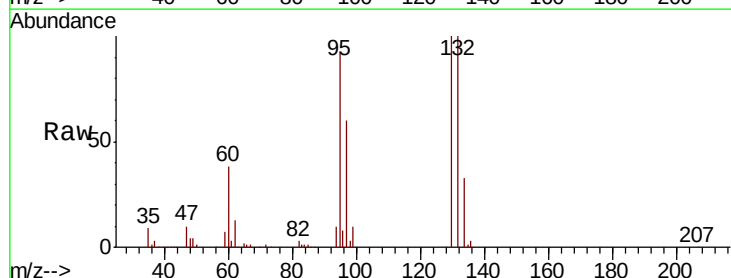
RT: 9.09 min Scan# 1179

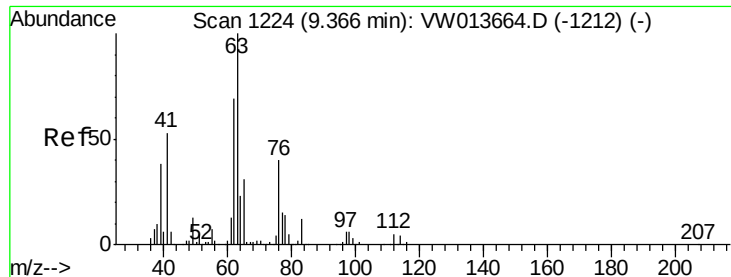
Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion:	130	Resp:	145939
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	184.6





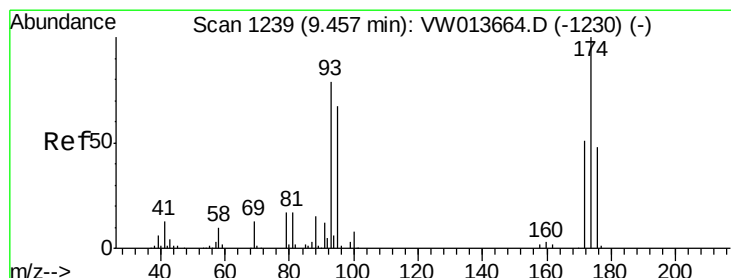
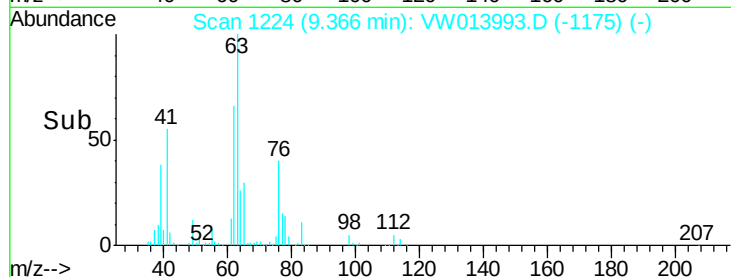
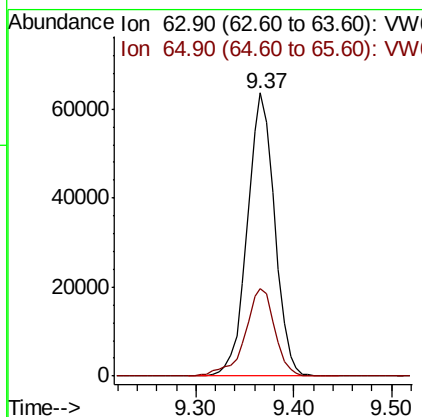
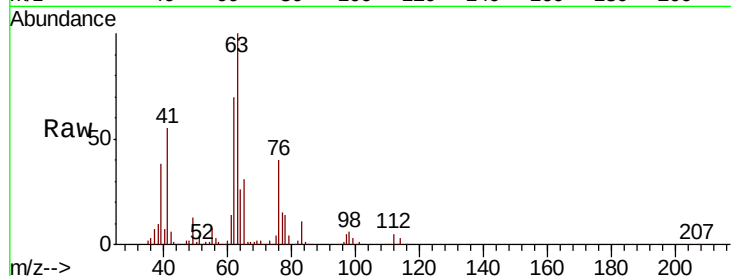
#45
 1,2-Dichloropropane
 Concen: 50.140 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.2	37.8

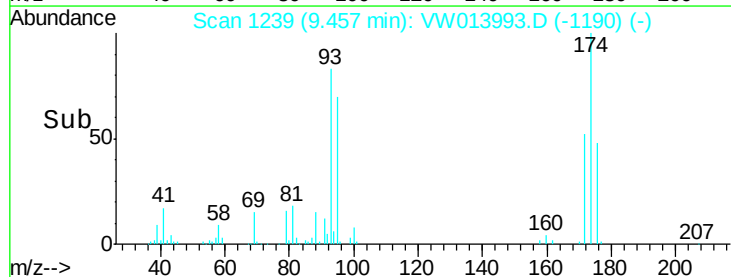
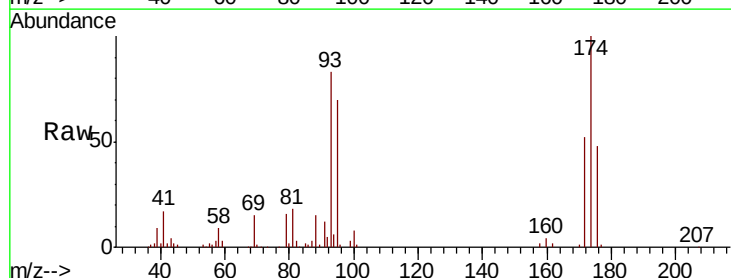
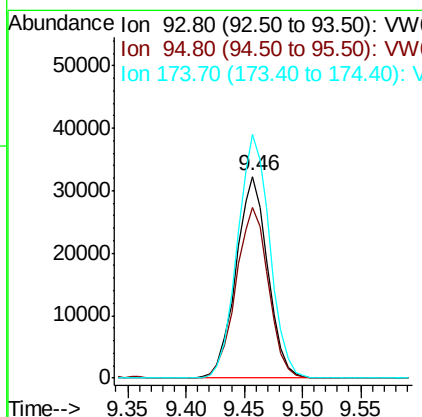
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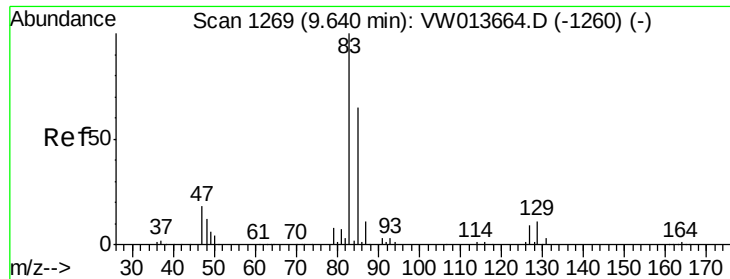
MMDadoda
 11/13/2019 9:33:02 AM



#46
 Dibromomethane
 Concen: 51.377 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.6	66.5	99.7
174	123.5	99.6	149.4





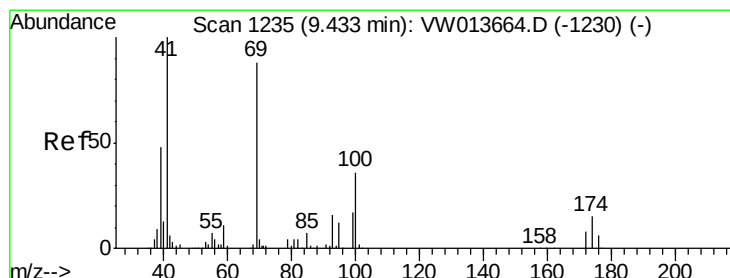
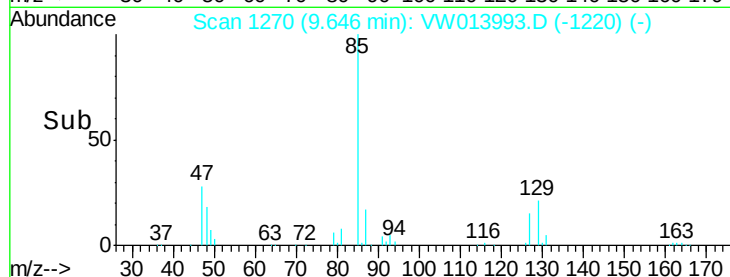
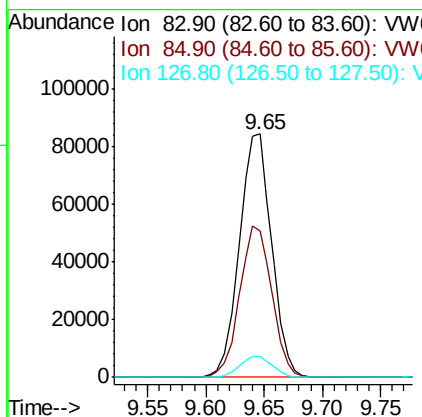
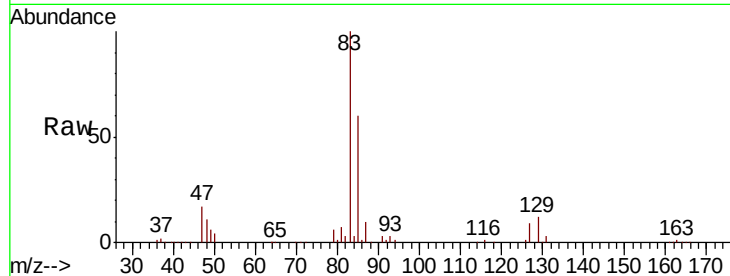
#47
Bromodichloromethane
Concen: 52.752 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	162527		
85	60.0		51.8	77.6
127	8.8		7.3	10.9

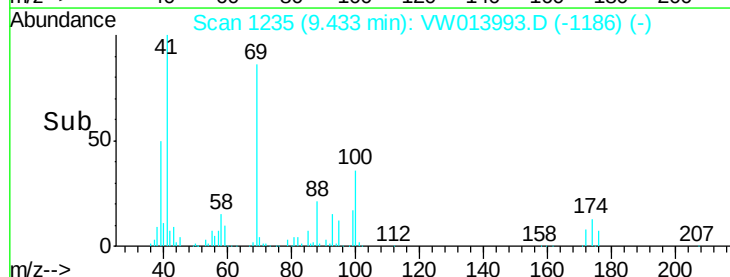
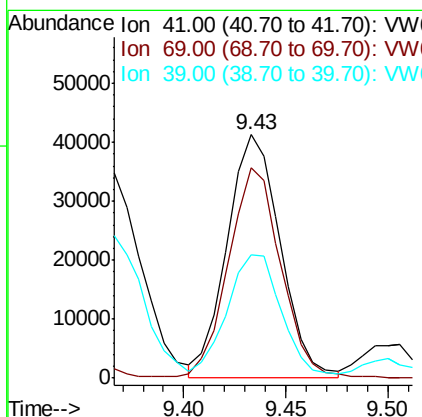
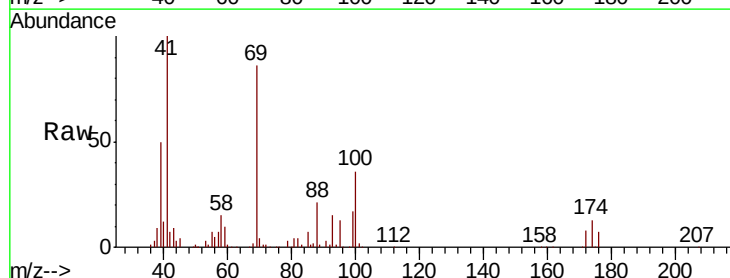
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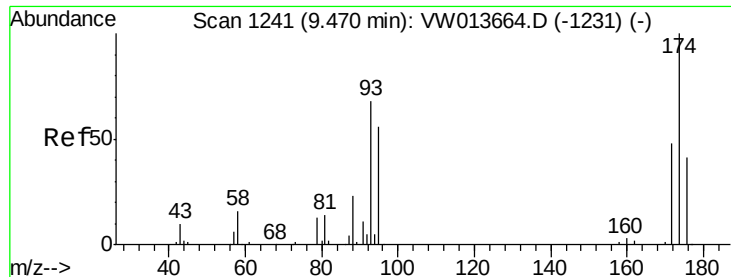
MMDadoda
11/13/2019 9:33:02 AM



#48
Methyl methacrylate
Concen: 56.448 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	74442		
69	86.2		67.6	101.4
39	48.7		38.6	58.0





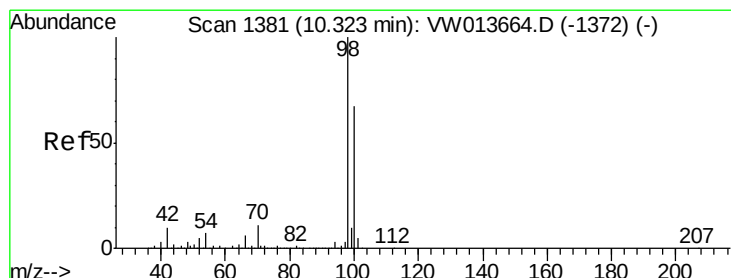
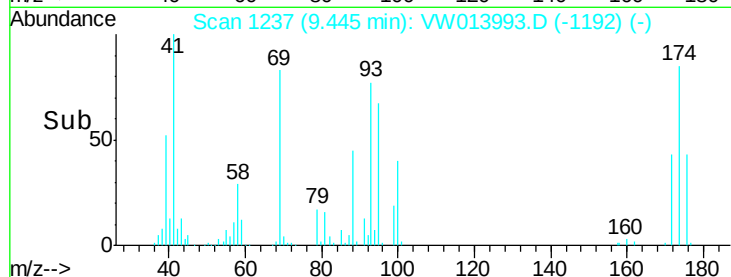
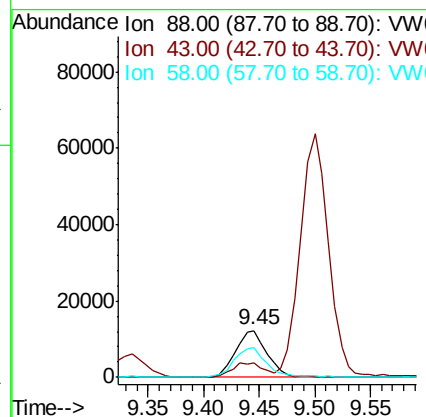
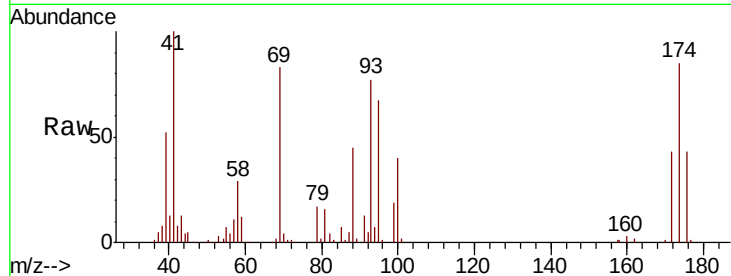
#49
1,4-Dioxane
Concen: 1358.118 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	23897
Ion	Ratio	Lower	Upper
88	100		
43	29.9	0.0	0.0#
58	68.2	58.9	88.3

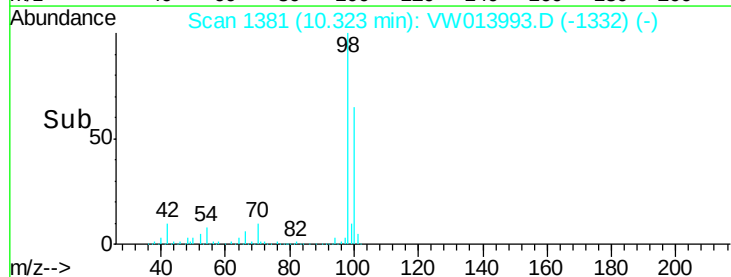
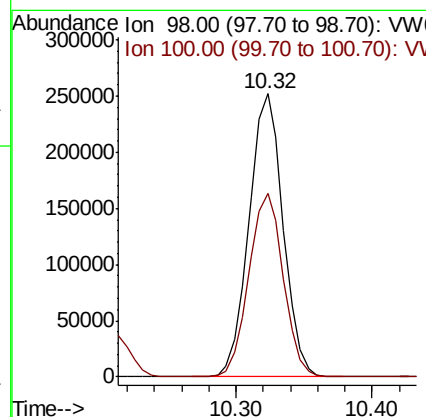
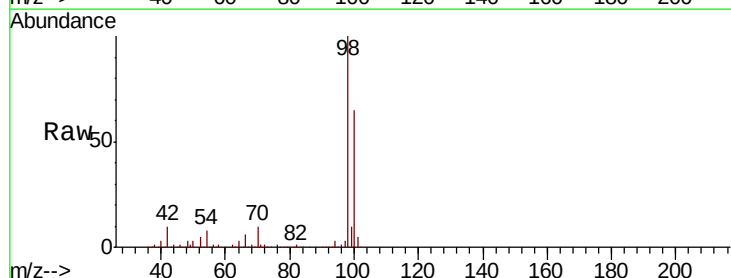
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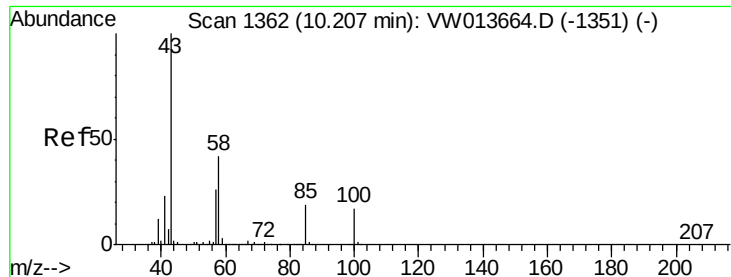
MMDadoda
11/13/2019 9:33:02 AM



#50
Toluene-d8
Concen: 50.046 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	98	Resp	441589
Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 297.405 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 393016

Ion Ratio Lower Upper

43 100

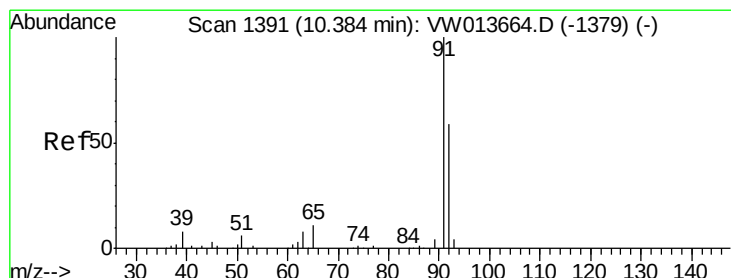
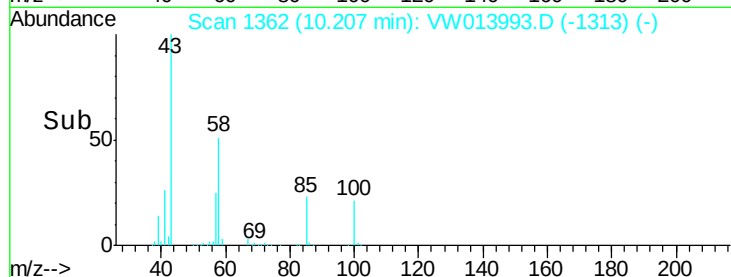
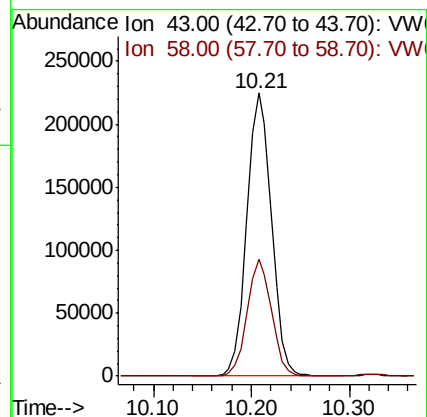
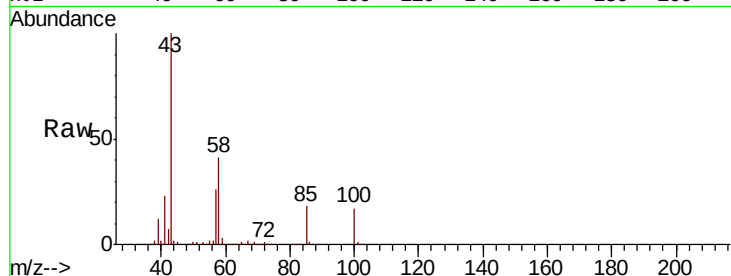
58 40.6 32.6 49.0

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11/13/2019 9:33:02 AM



#52

Toluene

Concen: 49.479 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013993.D

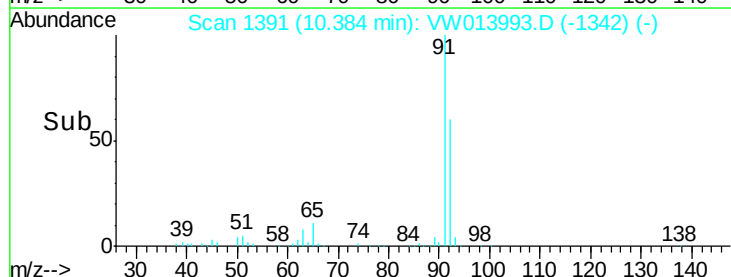
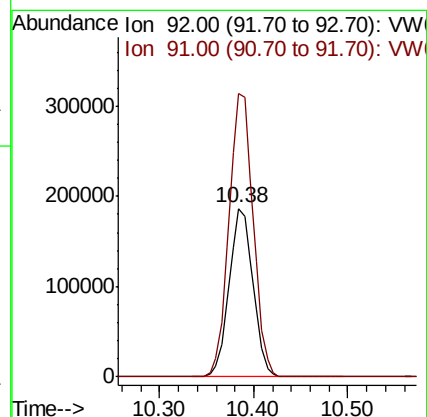
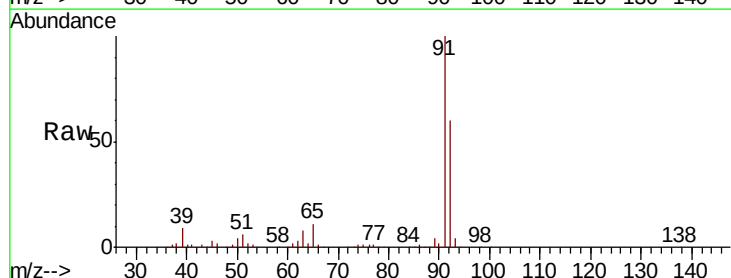
Acq: 12 Nov 2019 22:59

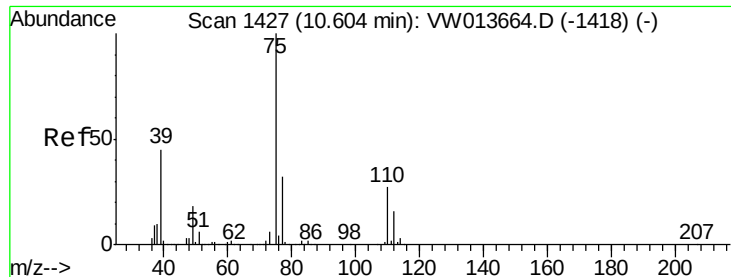
Tgt Ion: 92 Resp: 327812

Ion Ratio Lower Upper

92 100

91 170.6 134.5 201.7





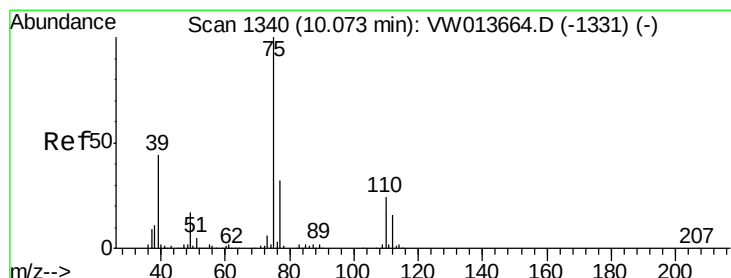
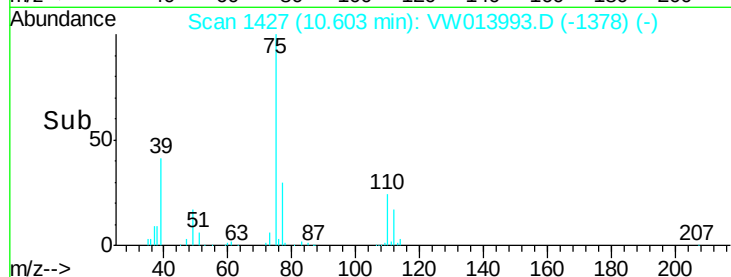
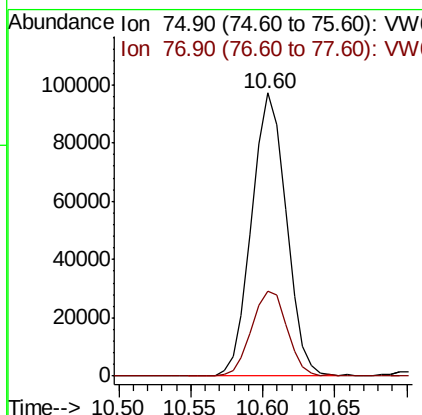
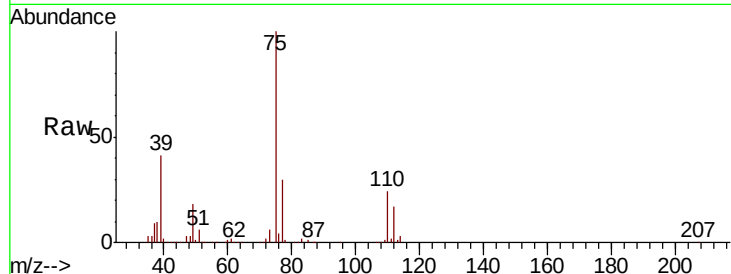
#53
 t-1,3-Dichloropropene
 Concen: 51.779 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.5	38.3

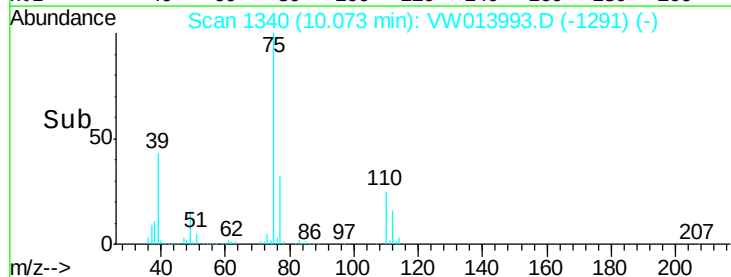
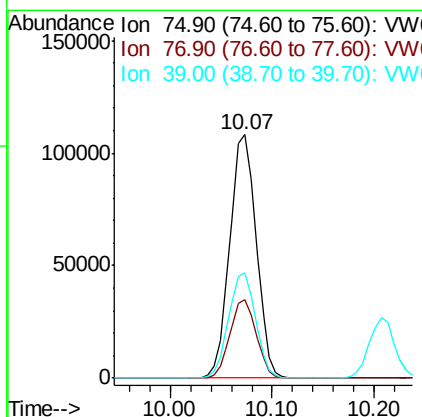
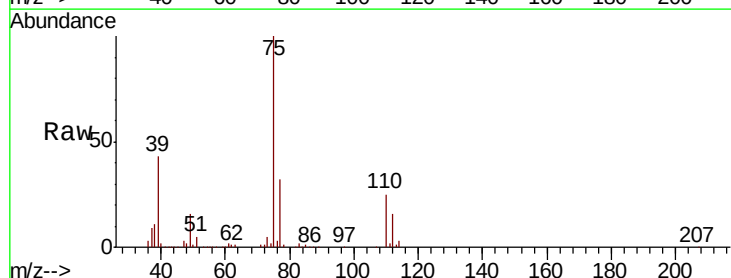
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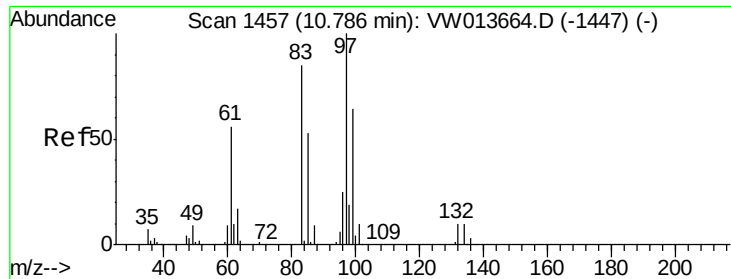
MMDadoda
 11/13/2019 9:33:02 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.494 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	43.5	35.3	52.9





#55

1,1,2-Trichloroethane

Concen: 53.503 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 94948

Ion Ratio Lower Upper

97 100

83 81.9 67.8 101.8

85 51.7 42.1 63.1

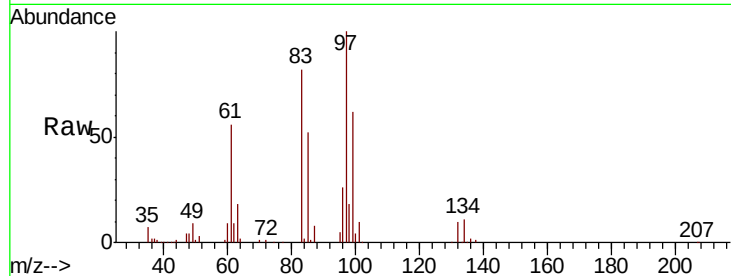
99 62.0 51.4 77.0

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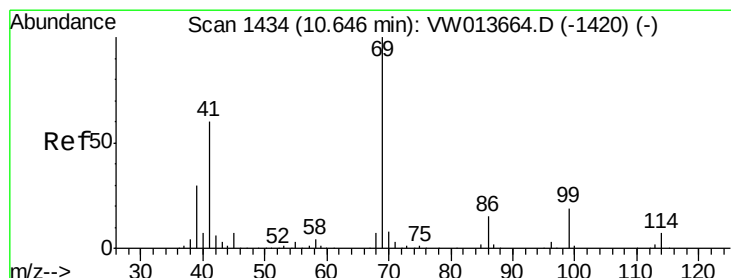
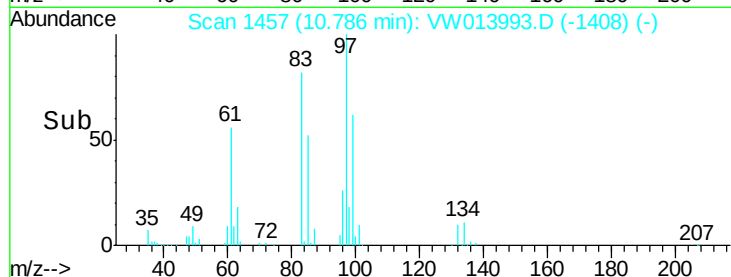
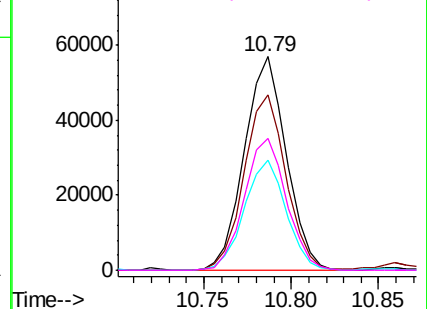


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 56.953 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion: 69 Resp: 126450

Ion Ratio Lower Upper

69 100

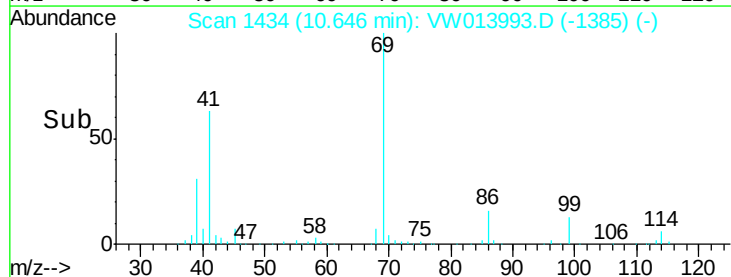
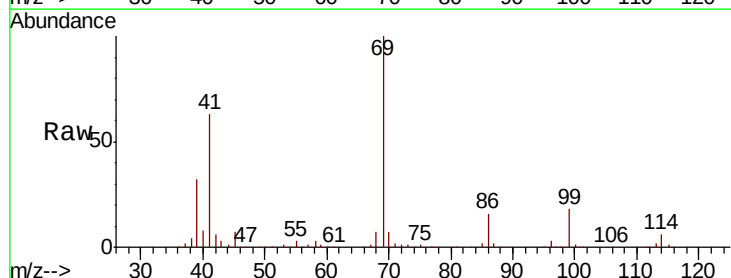
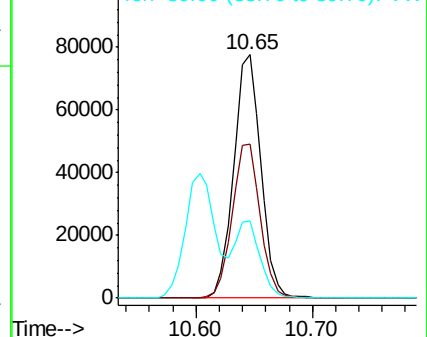
41 65.5 51.6 77.4

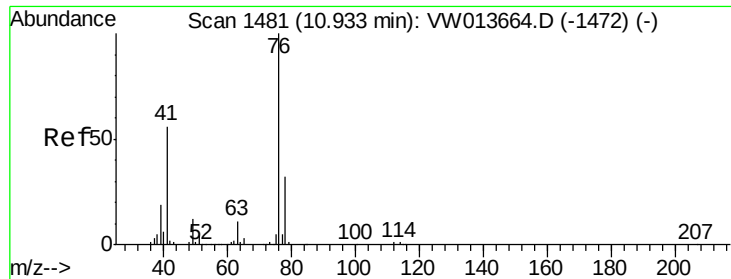
39 28.9 22.4 33.6

Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 53.004 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 161417

Ion Ratio Lower Upper

76 100

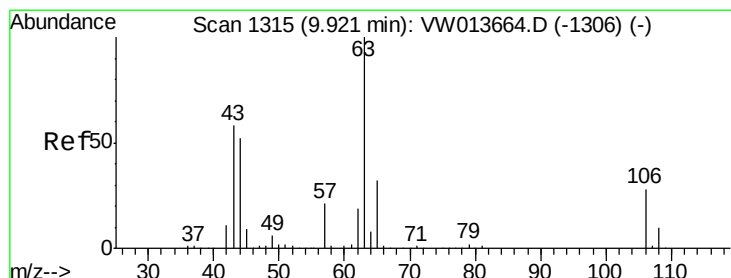
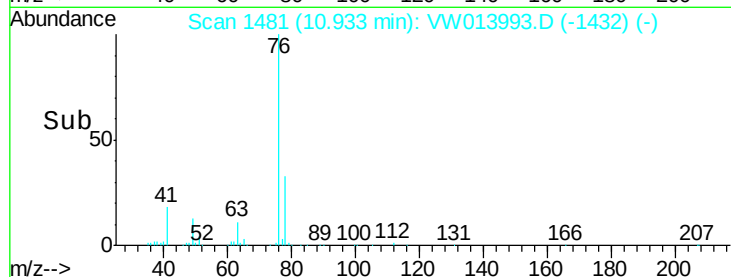
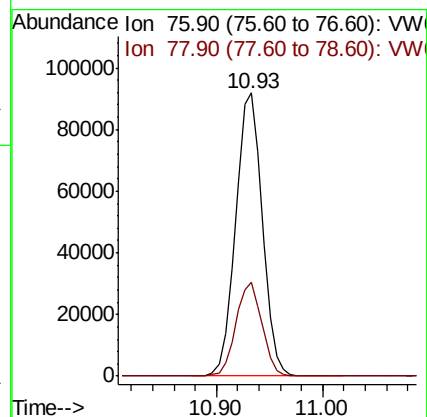
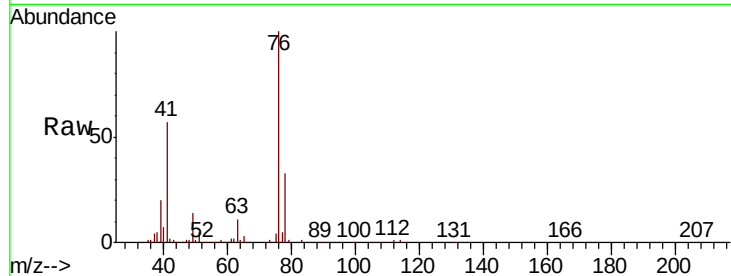
78 32.4 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 228.235 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013993.D

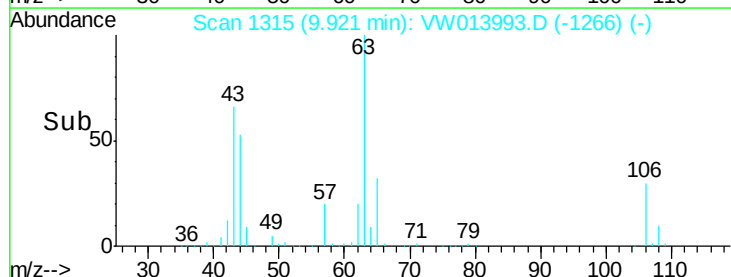
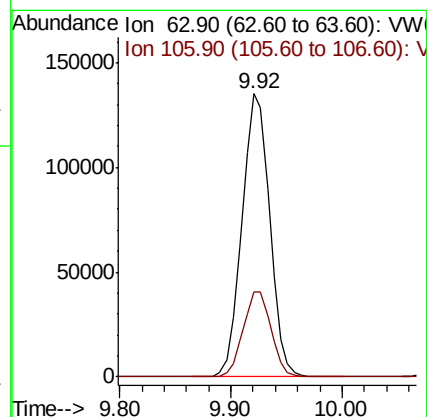
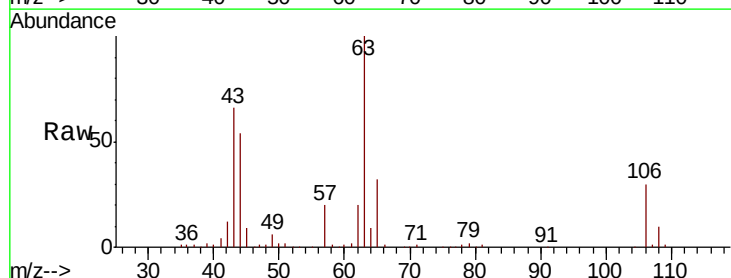
Acq: 12 Nov 2019 22:59

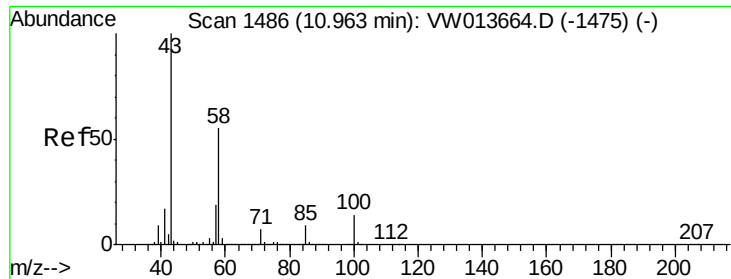
Tgt Ion: 63 Resp: 233221

Ion Ratio Lower Upper

63 100

106 30.4 23.8 35.8





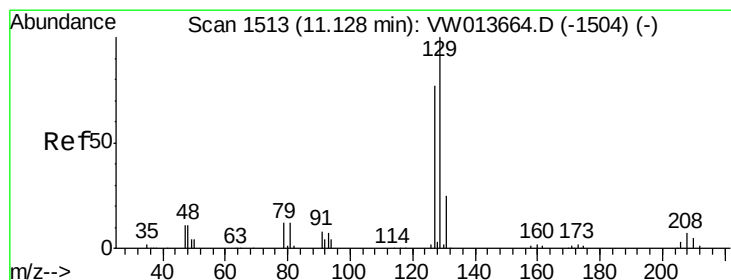
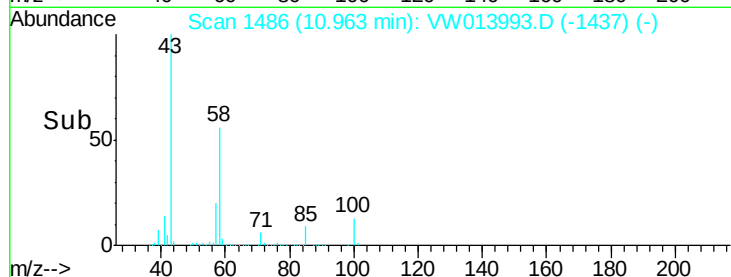
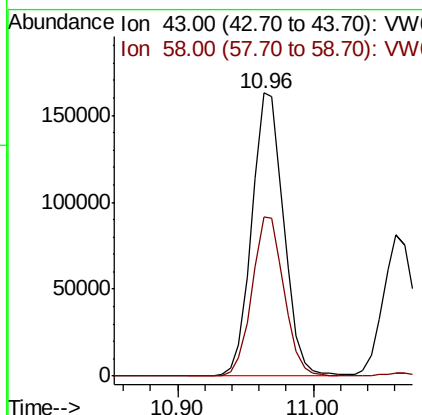
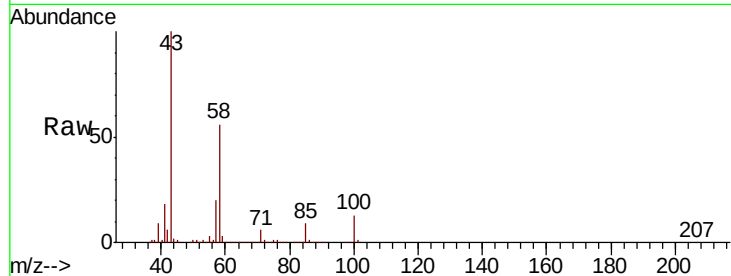
#59
2-Hexanone
Concen: 294.619 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	268405
Ion Ratio	100	Lower	Upper
43	100		
58	56.4	27.9	83.7

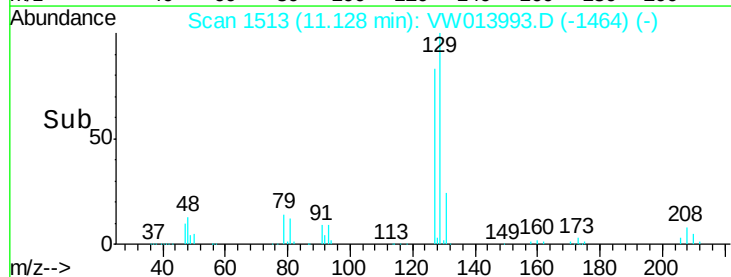
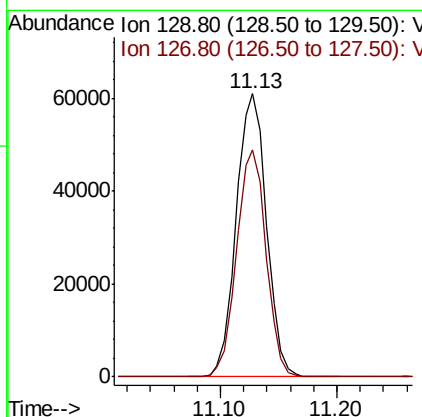
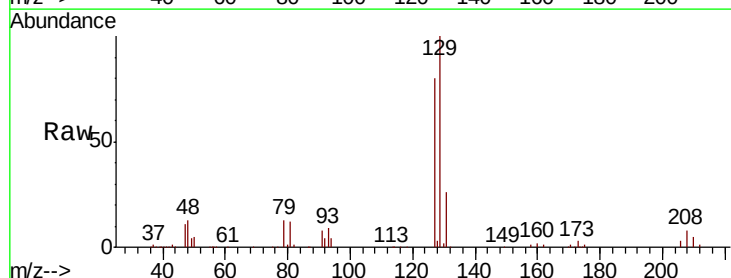
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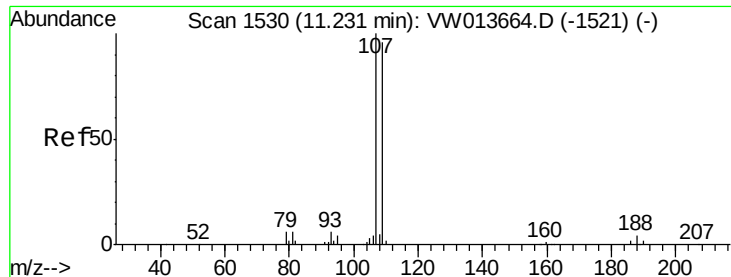
MMDadoda
11/13/2019 9:33:02 AM



#60
Dibromochloromethane
Concen: 52.308 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	129	Resp	110214
Ion Ratio	100	Lower	Upper
129	100		
127	78.3	38.9	116.7





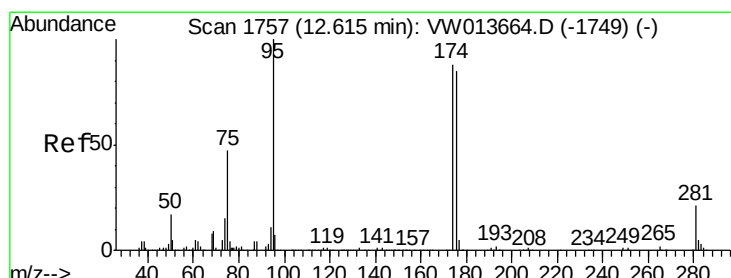
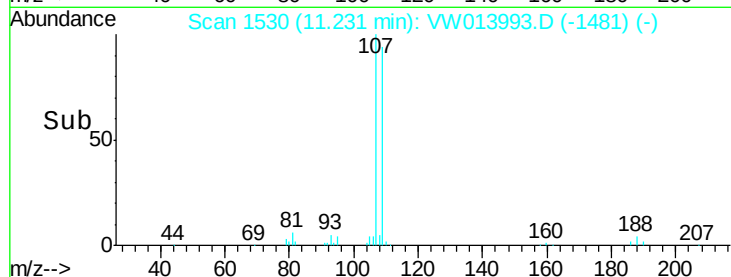
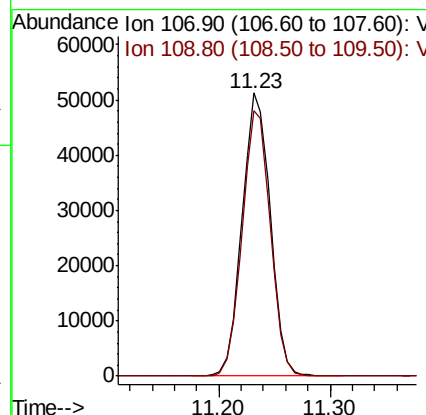
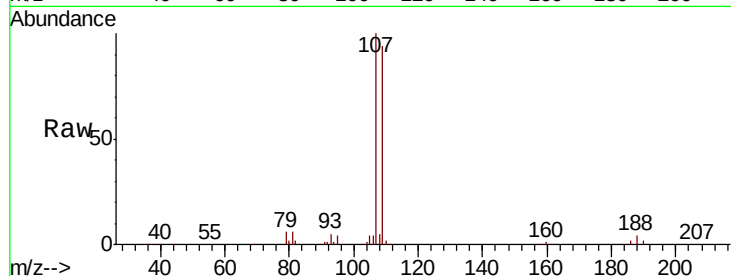
#61
 1,2-Dibromoethane
 Concen: 53.471 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.7	113.5

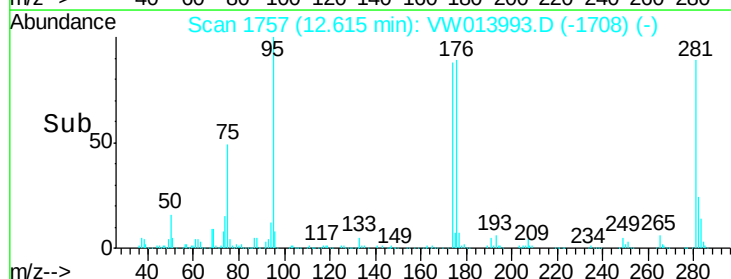
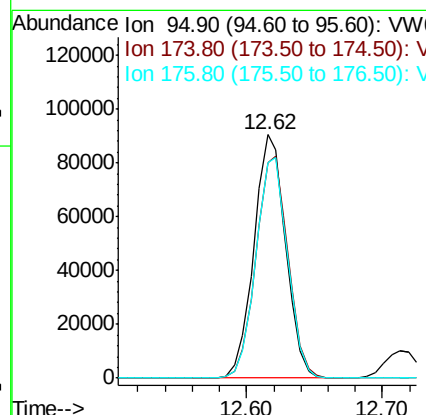
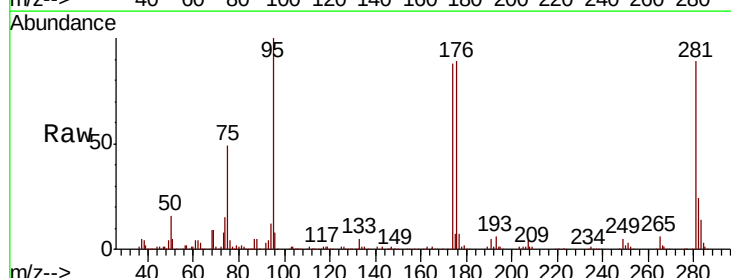
Manual Integrations
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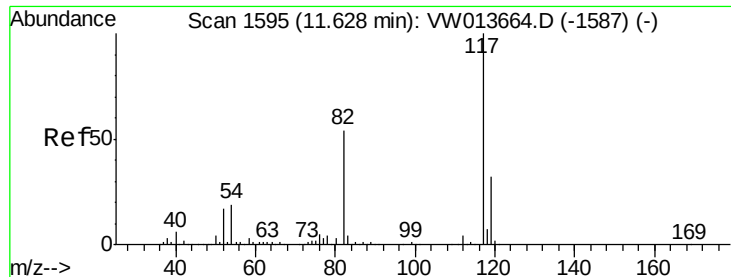
MMDadoda
 11/13/2019 9:33:02 AM



#62
 4-Bromofluorobenzene
 Concen: 49.437 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	183.6
176	90.7	0.0	178.0





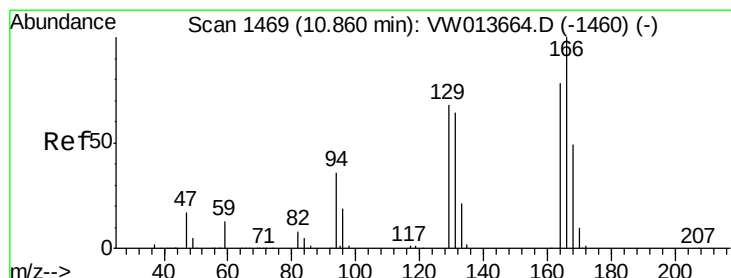
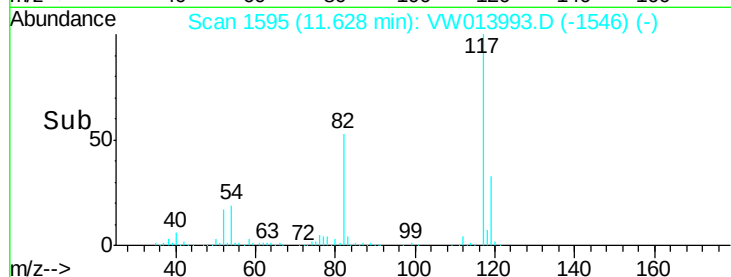
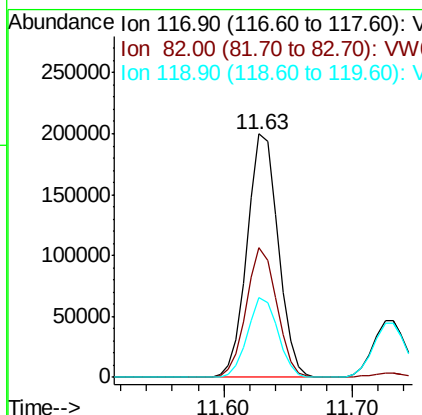
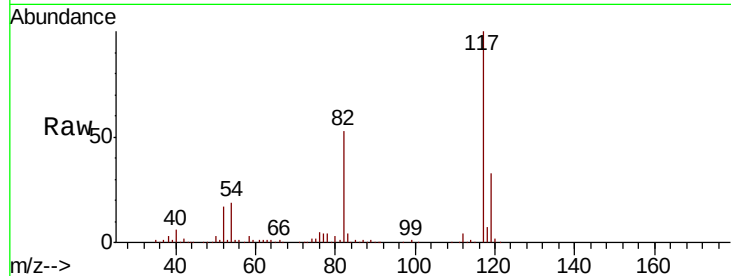
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.6	65.4
119	32.6	25.4	38.2

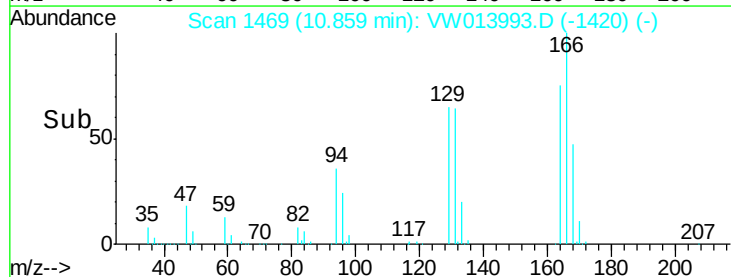
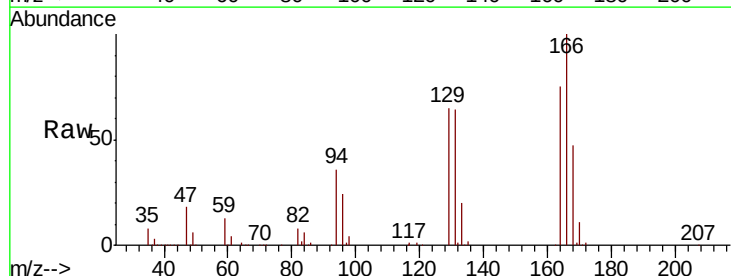
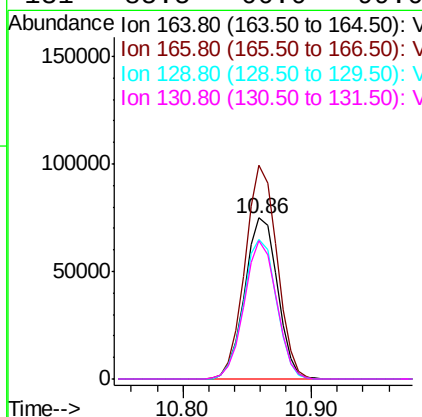
Manual Integrations
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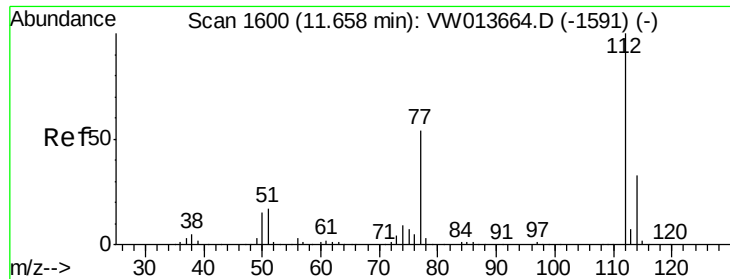
MMDadoda
11/13/2019 9:33:02 AM



#64
Tetrachloroethene
Concen: 51.841 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	103.2	154.8
129	86.4	70.6	105.8
131	85.5	66.0	99.0





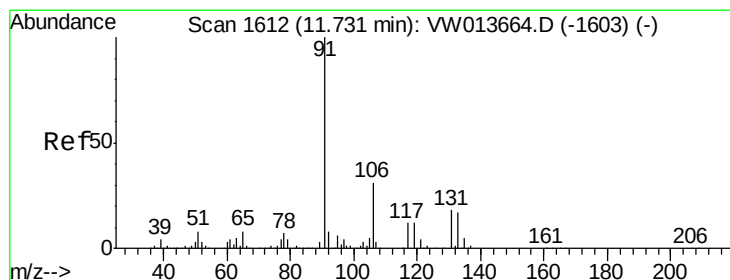
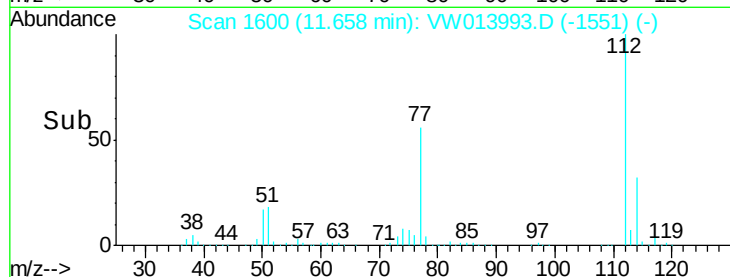
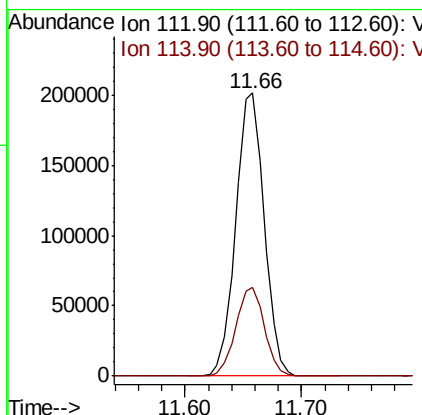
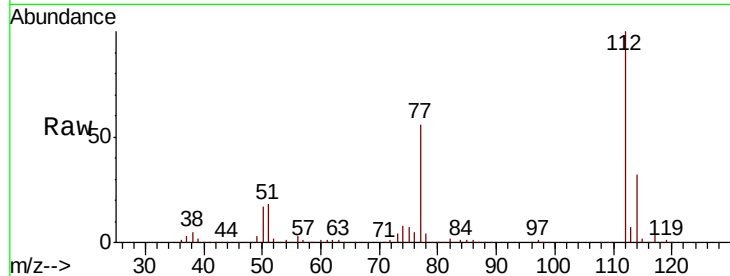
#65
Chlorobenzene
Concen: 50.387 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 343172
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4

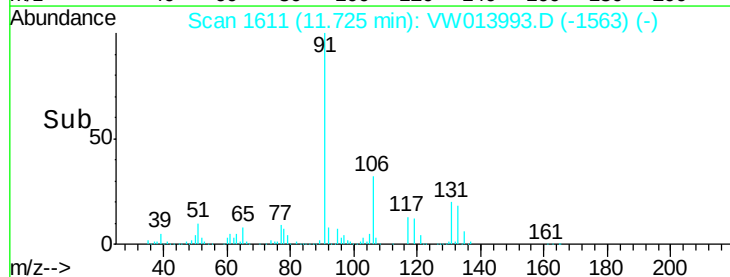
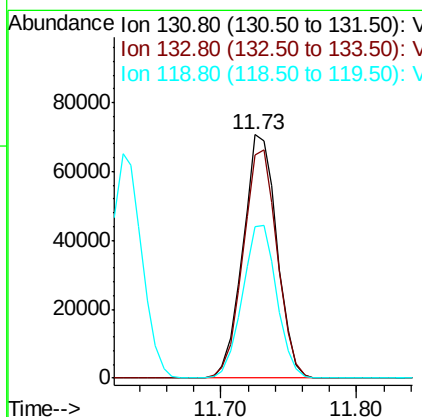
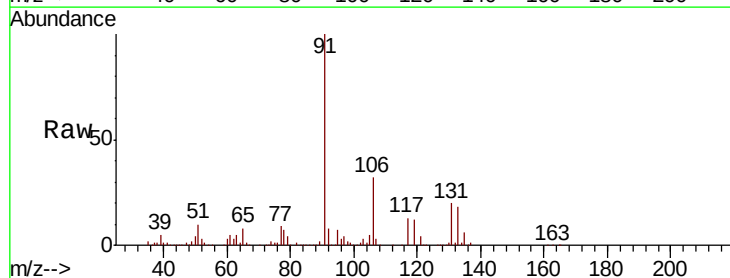
Manual Integrations
APPROVED

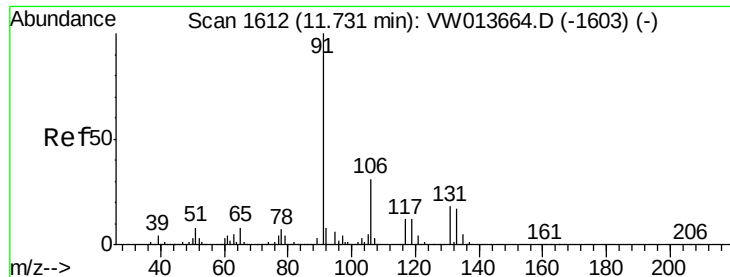
MMDadoda
11/13/2019 9:33:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.925 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion:131 Resp: 123422
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.3
119 63.2 33.1 99.2





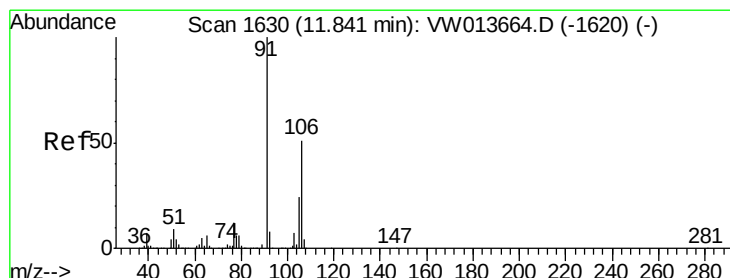
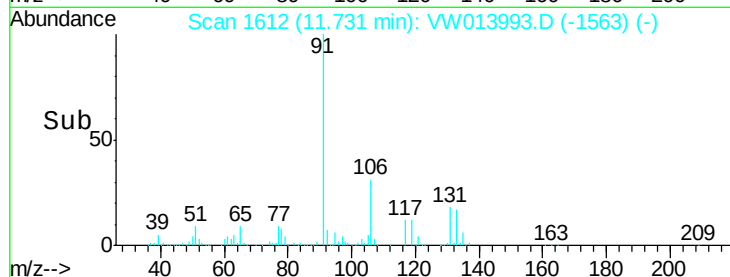
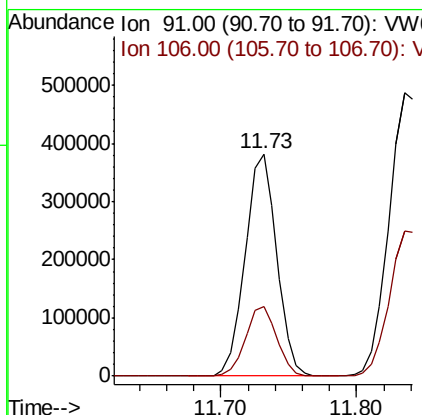
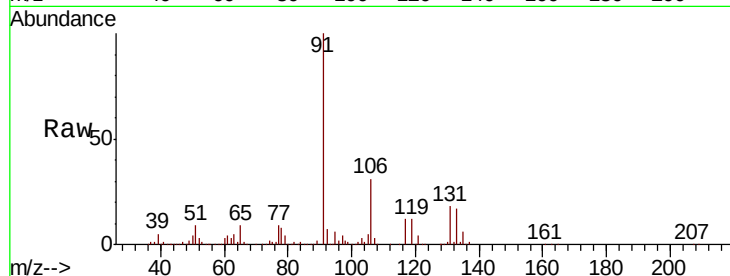
#67
Ethyl Benzene
Concen: 50.416 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.6

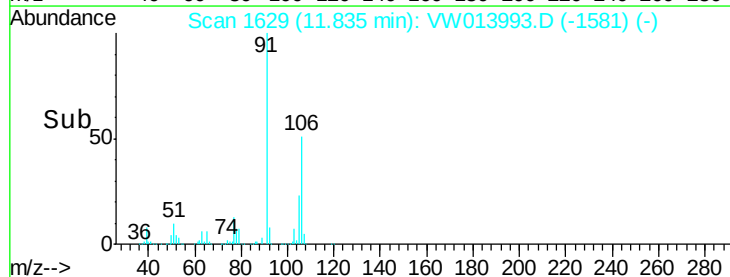
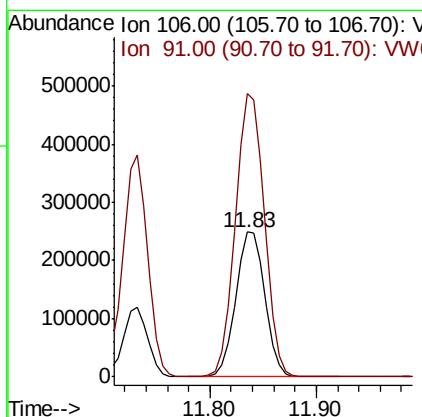
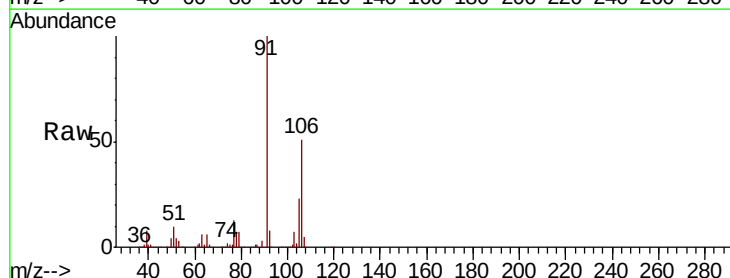
Manual Integrations
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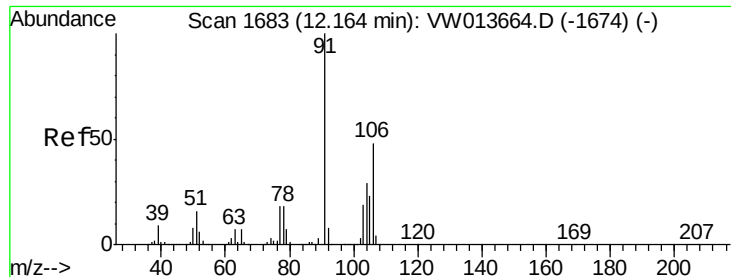
MMDadoda
11/13/2019 9:33:02 AM



#68
m/p-Xylenes
Concen: 100.362 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.5	159.2	238.8





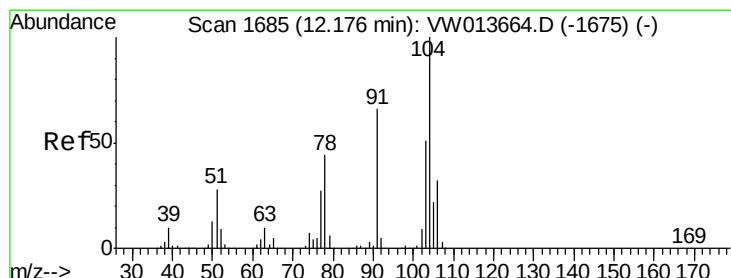
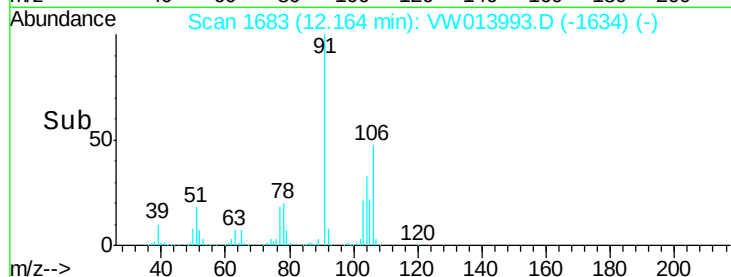
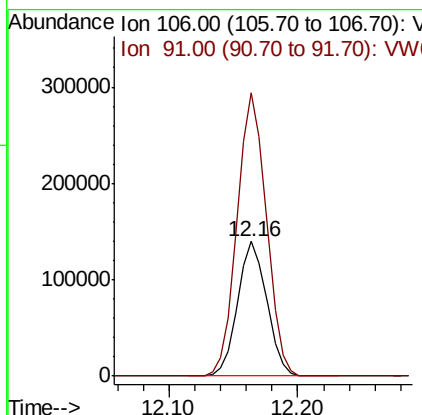
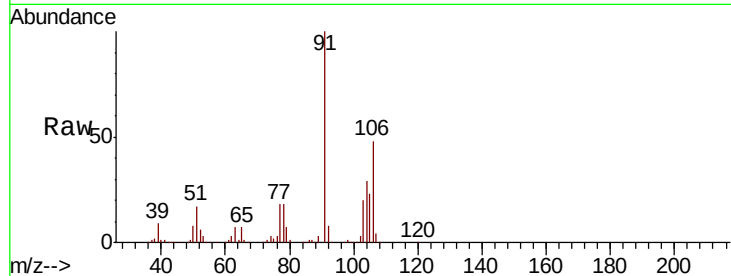
#69
o-Xylene
Concen: 50.252 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
219161	106	100		
	91	211.5	104.9	314.7

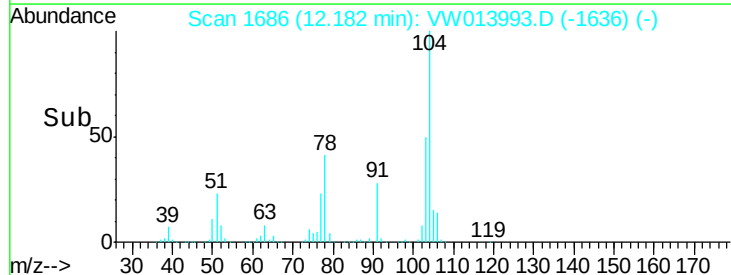
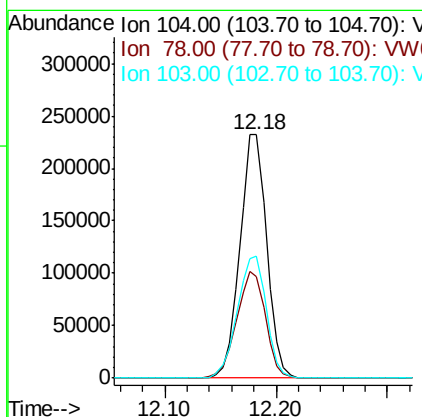
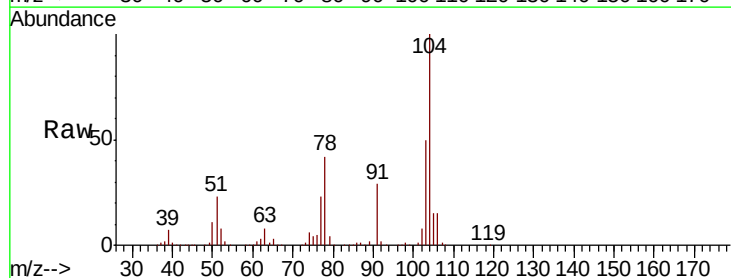
Manual Integrations
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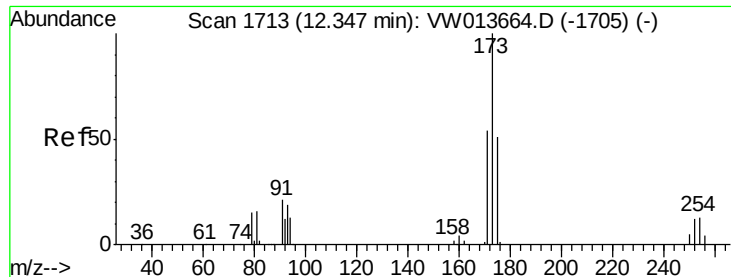
MMDadoda
11/13/2019 9:33:02 AM



#70
Styrene
Concen: 51.734 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ion	Ratio	Lower	Upper
387648	104	100		
	78	46.9	37.1	55.7
	103	54.1	43.6	65.4





#71

Bromoform

Concen: 55.514 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 69246

Ion Ratio Lower Upper

173 100

175 47.9 25.2 75.6

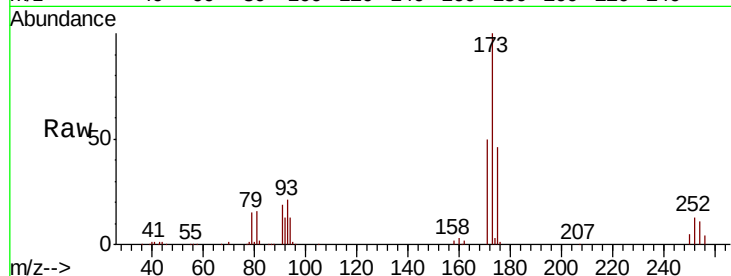
254 0.0 0.1 0.1#

Manual Integrations

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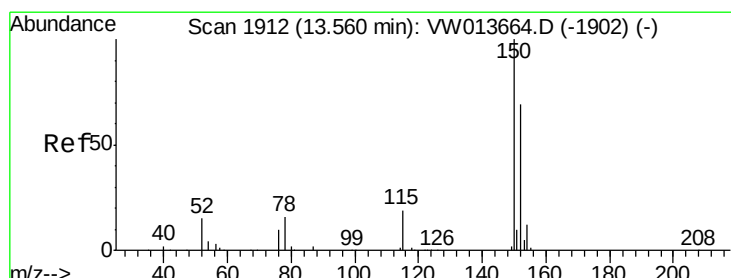
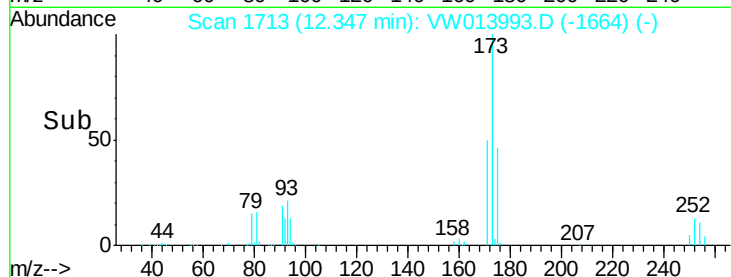
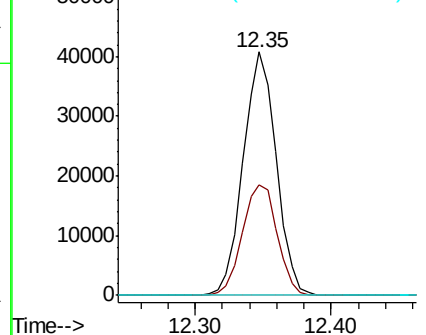
11/13/2019 9:33:02 AM



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: VW013993.D

Acq: 12 Nov 2019 22:59

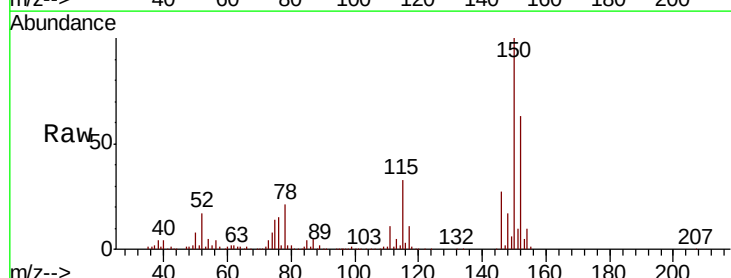
Tgt Ion:152 Resp: 165442

Ion Ratio Lower Upper

152 100

115 55.1 27.4 82.2

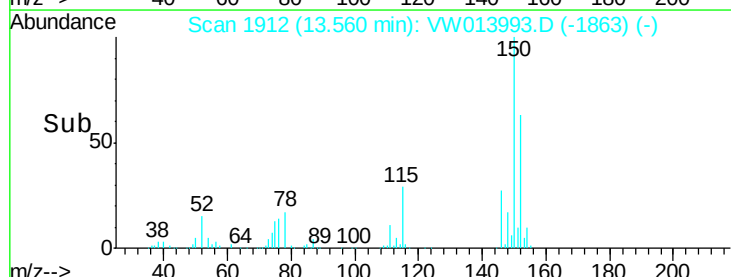
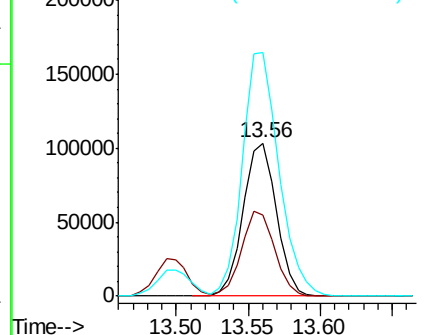
150 174.9 0.0 345.4

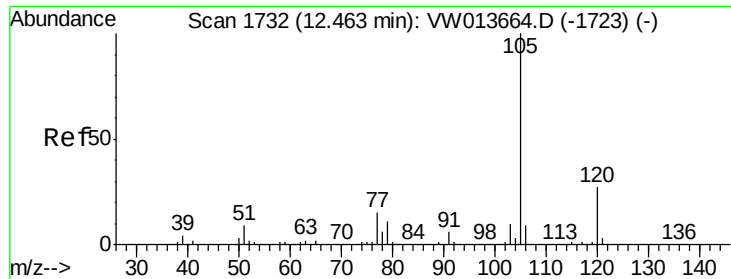


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





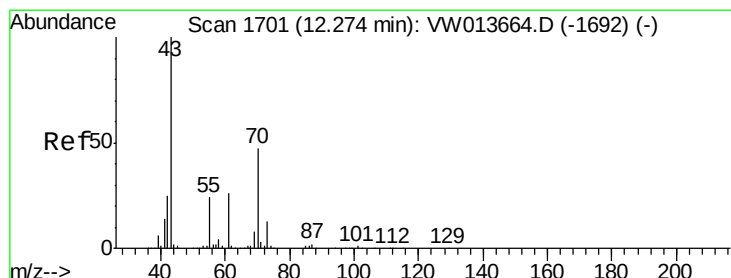
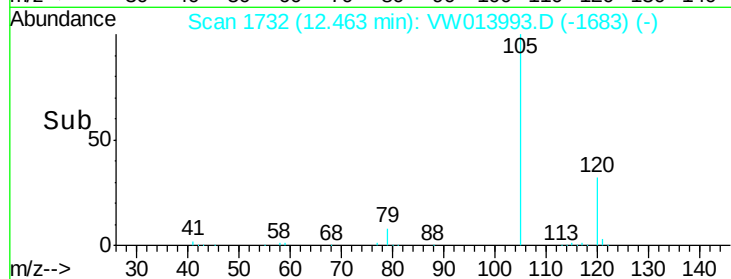
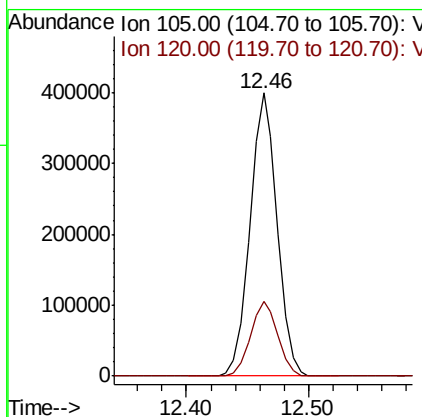
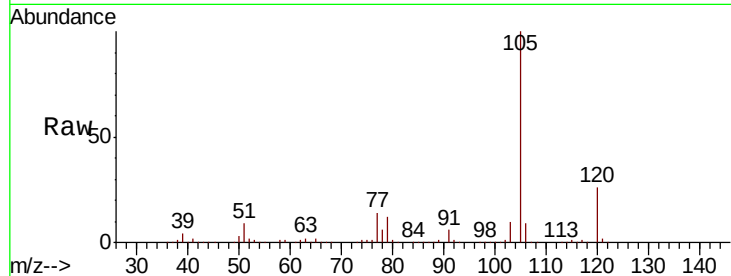
#73
Isopropylbenzene
Concen: 51.609 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	613170		
120	26.6		13.5	40.4

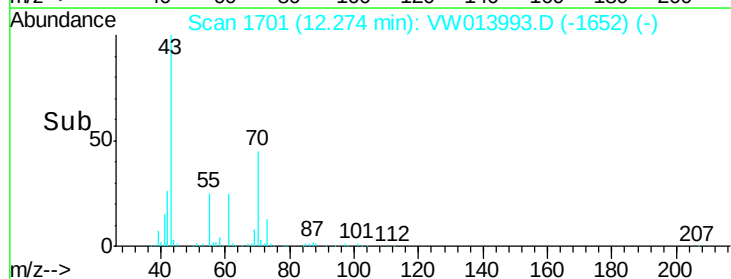
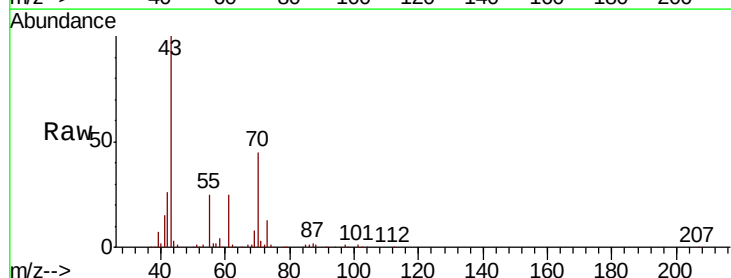
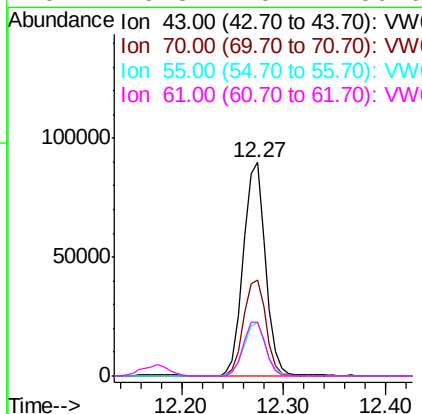
Manual Integrations
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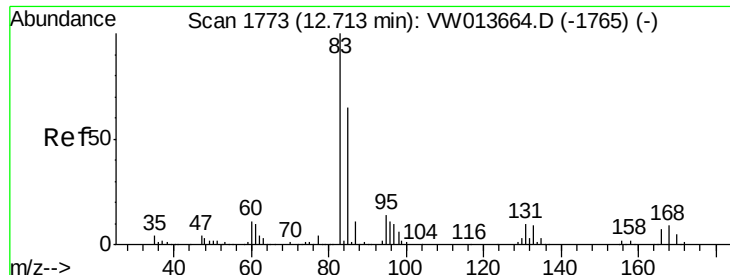
MMDadoda
11/13/2019 9:33:02 AM



#74
N-ethyl acetate
Concen: 58.956 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	135497		
70	45.5		36.6	55.0
55	24.8		20.3	30.5
61	25.3		20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.831 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

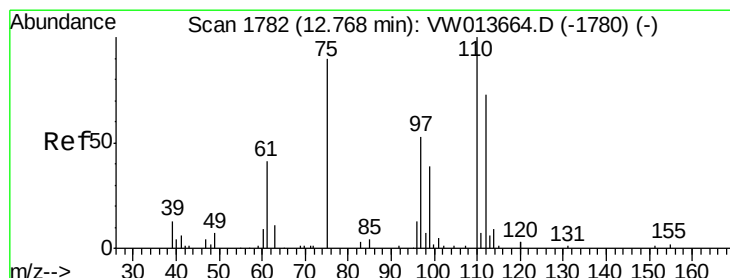
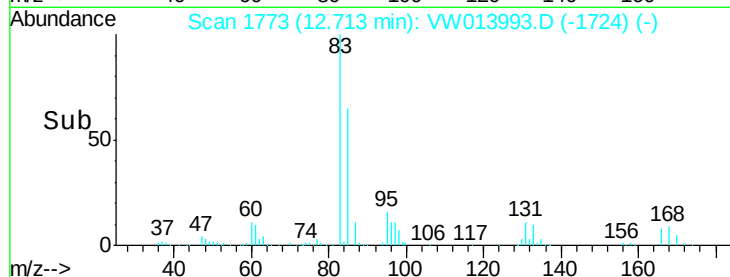
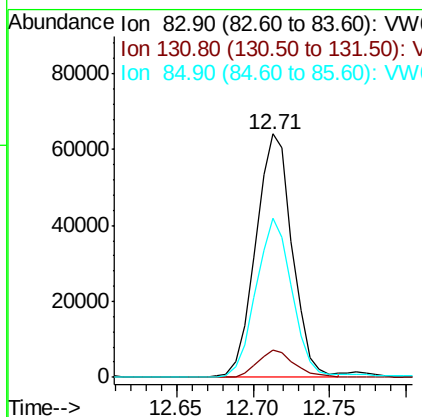
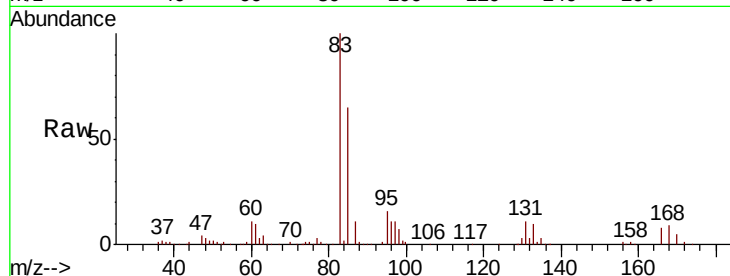
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	106550
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	64.5	32.5	97.4

Manual Integrations
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11/13/2019 9:33:02 AM



#76

1,2,3-Trichloropropane

Concen: 68.821 ug/l m

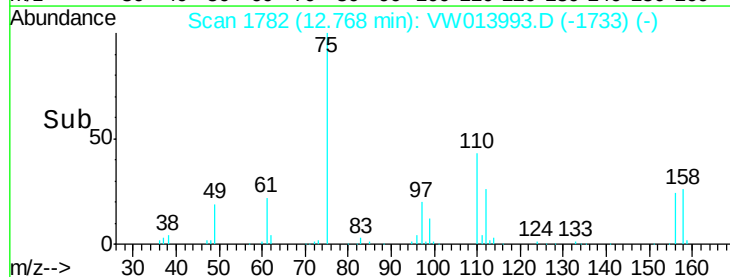
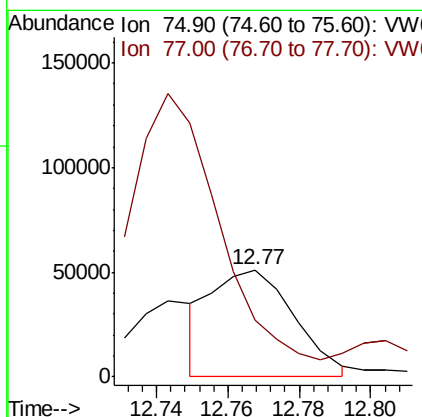
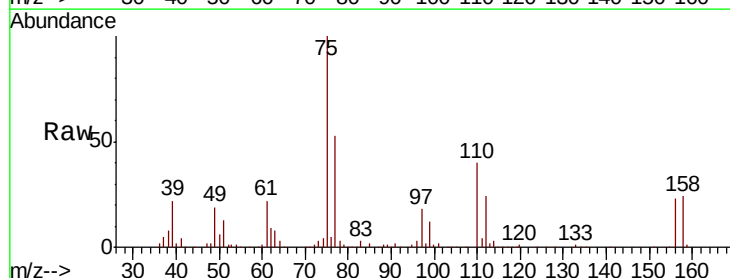
RT: 12.77 min Scan# 1782

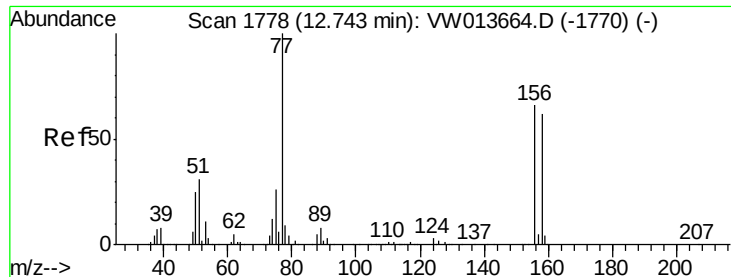
Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion:	75	Resp:	81767
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.452 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

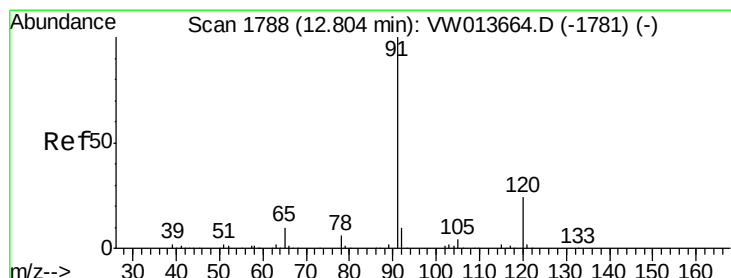
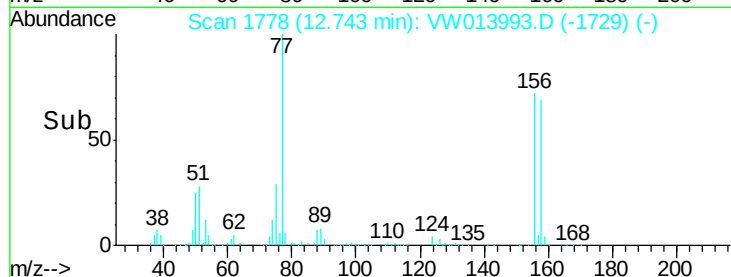
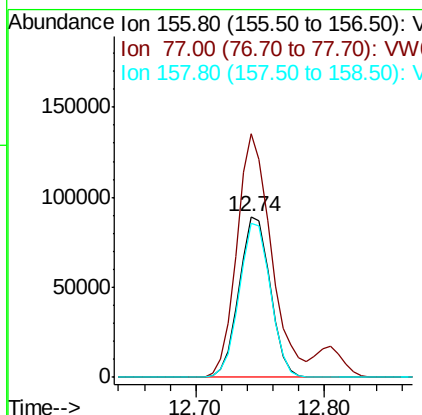
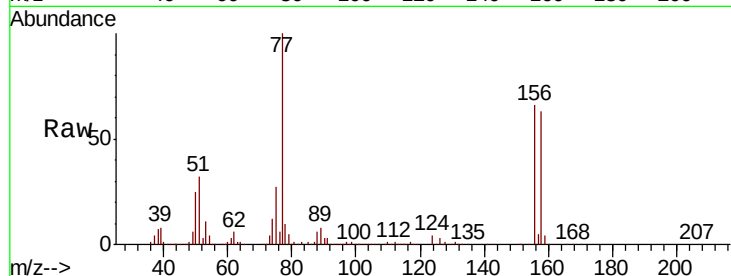
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	148869
Ion Ratio	Lower	Upper	
156	100		
77	167.8	82.9	248.7
158	96.3	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 51.101 ug/l

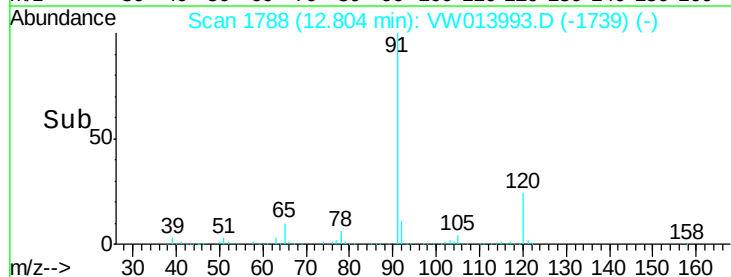
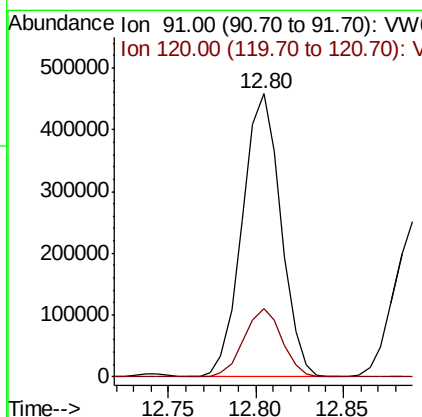
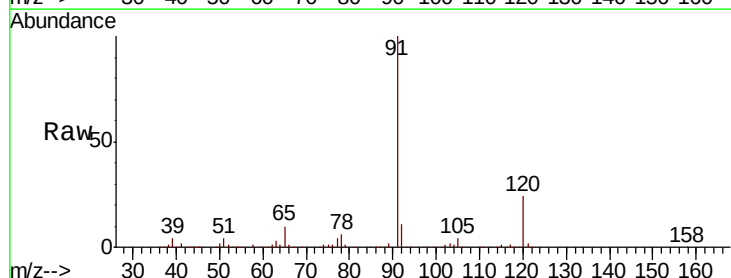
RT: 12.80 min Scan# 1788

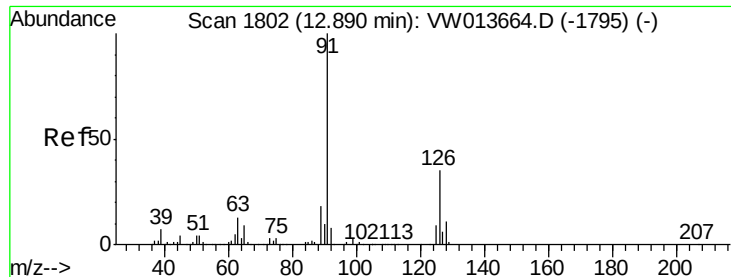
Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion:	91	Resp:	702713
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 51.379 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 397051

Ion Ratio Lower Upper

91 100

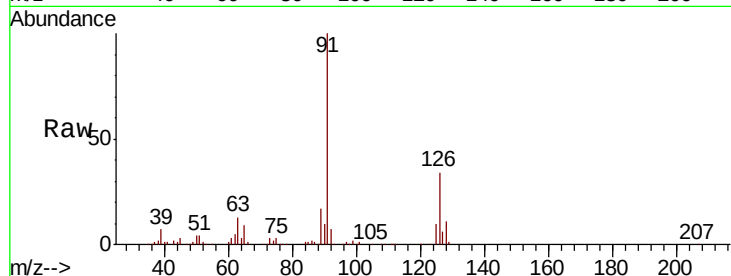
126 35.2 17.4 52.2

Manual Integrations

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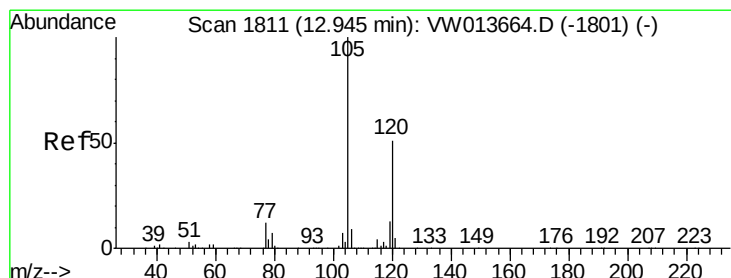
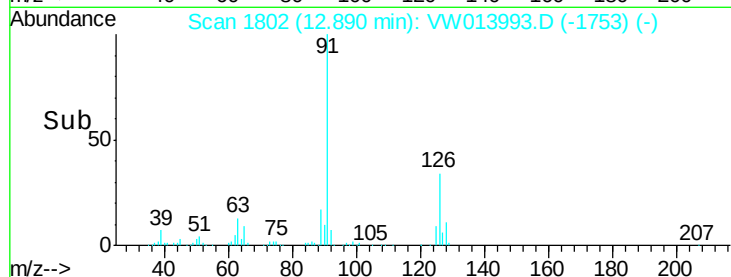
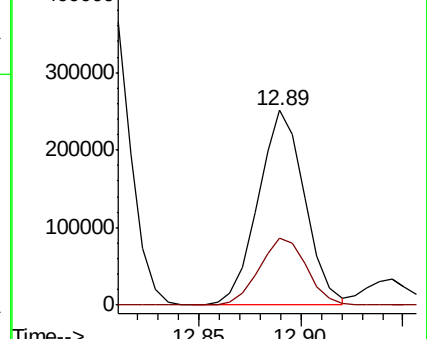
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.132 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013993.D

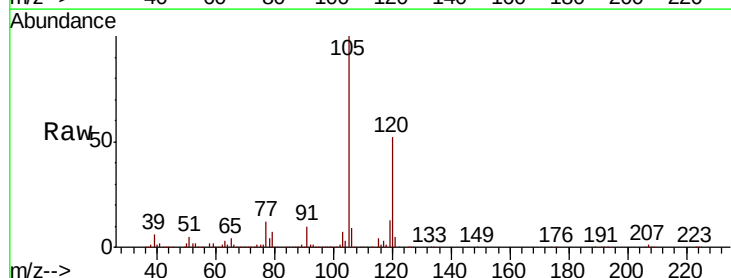
Acq: 12 Nov 2019 22:59

Tgt Ion: 105 Resp: 512829

Ion Ratio Lower Upper

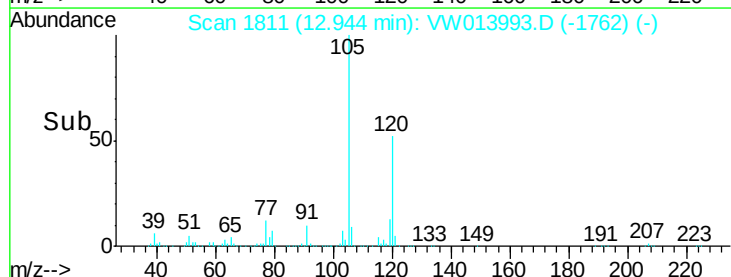
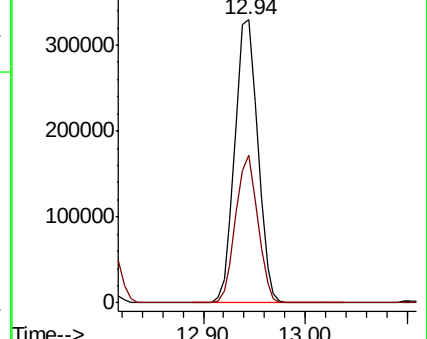
105 100

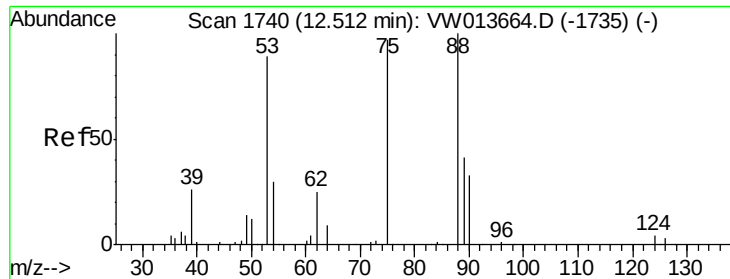
120 50.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





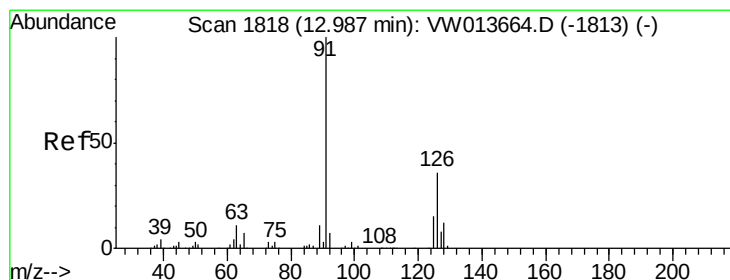
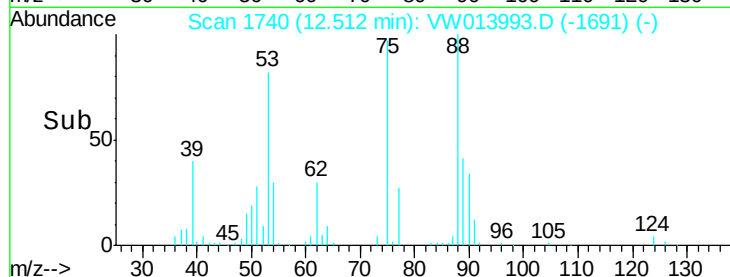
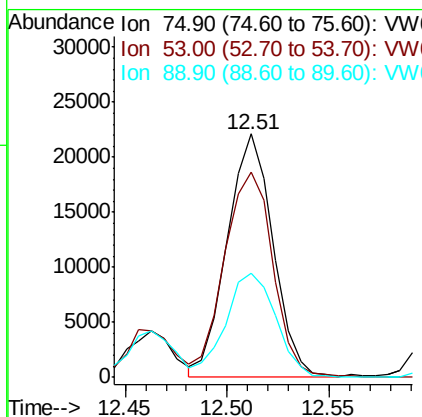
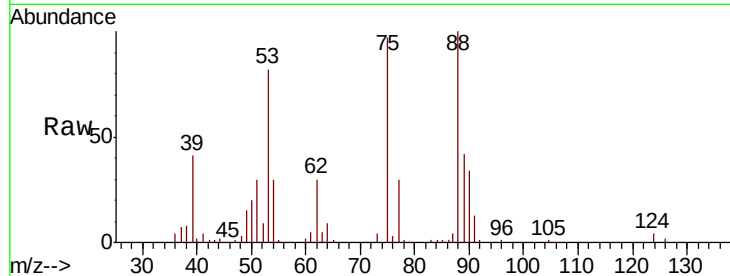
#81
trans-1,4-Dichloro-2-butene
Concen: 54.224 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	71.7	107.5
89	47.4	35.8	53.8

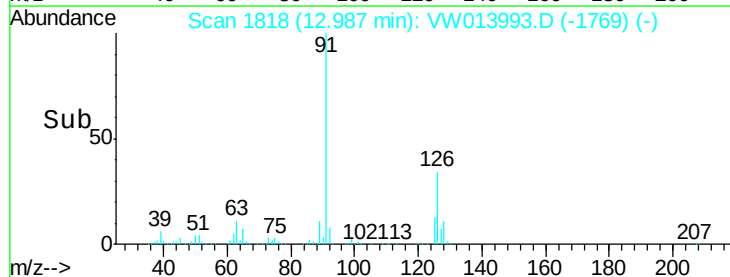
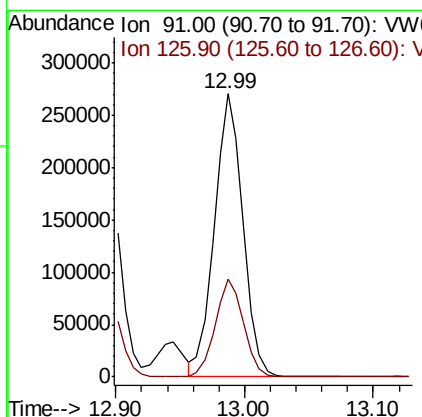
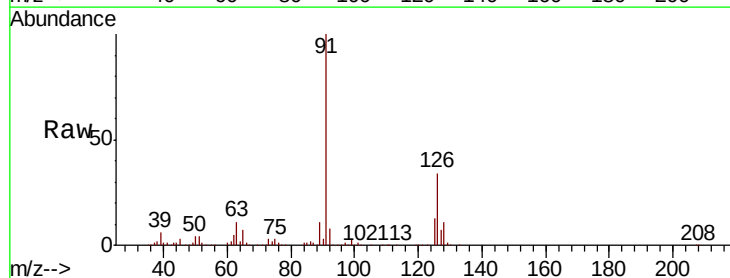
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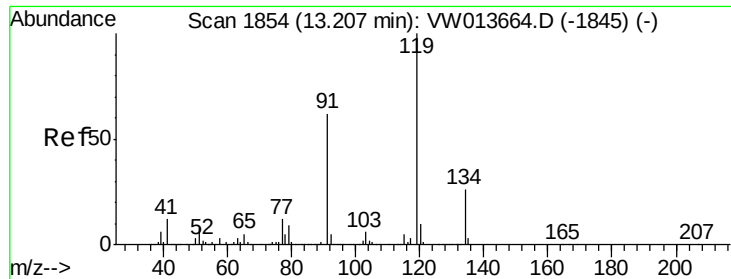
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#82
4-Chlorotoluene
Concen: 51.498 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.5





#83

tert-Butylbenzene

Concen: 51.280 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013993.D

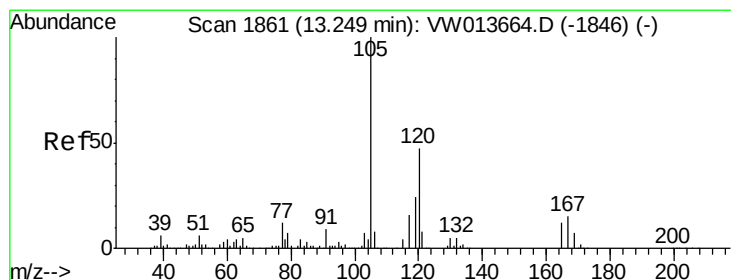
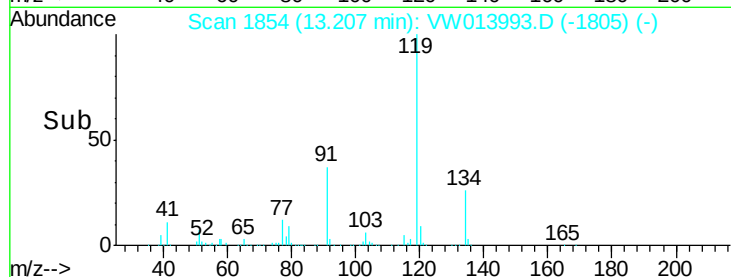
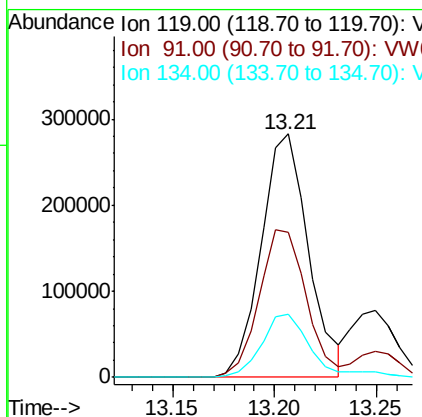
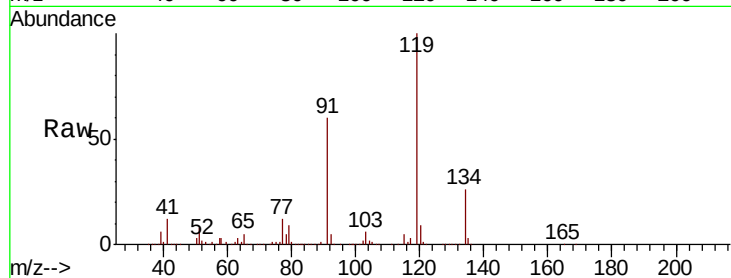
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.4	91.3
134	27.3	13.6	40.8

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#84

1,2,4-Trimethylbenzene

Concen: 51.763 ug/l

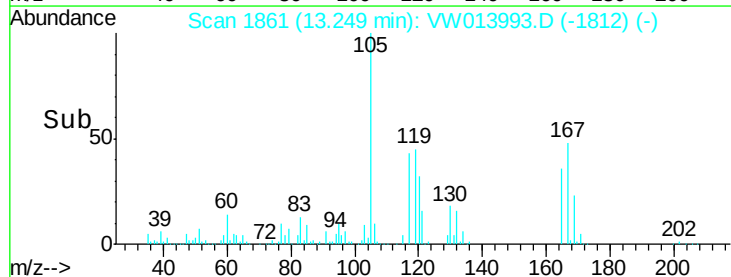
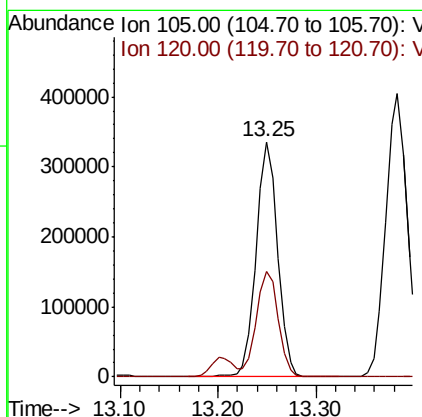
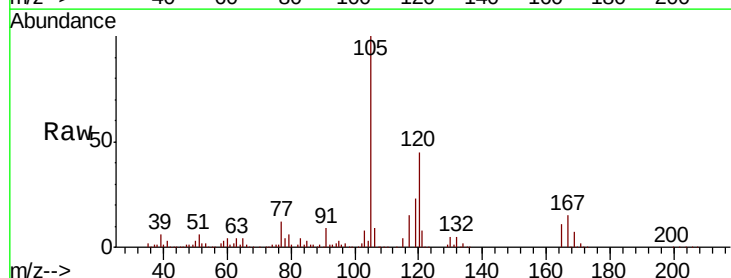
RT: 13.25 min Scan# 1861

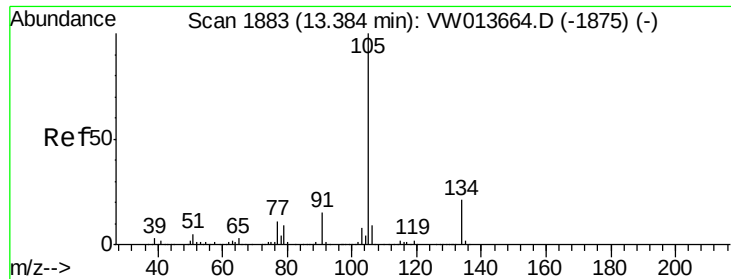
Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.5	70.5





#85

sec-Butylbenzene

Concen: 50.716 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 617418

Ion Ratio Lower Upper

105 100

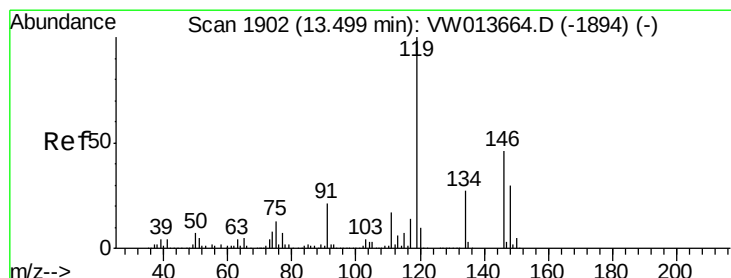
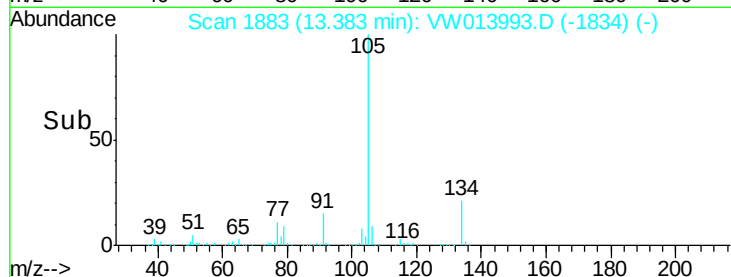
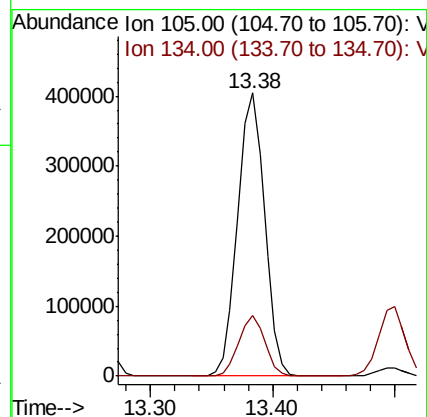
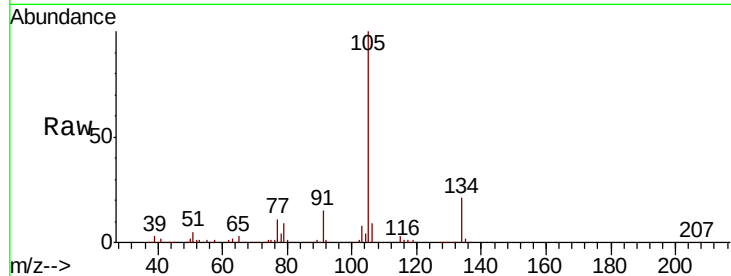
134 20.6 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 50.364 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

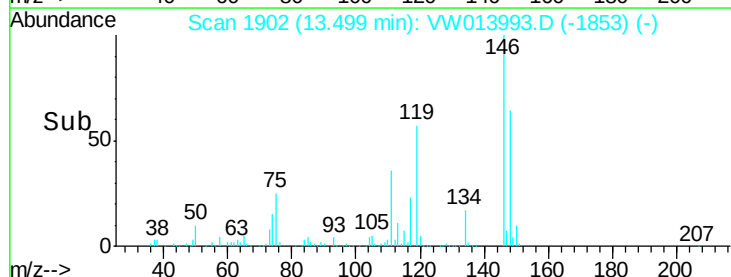
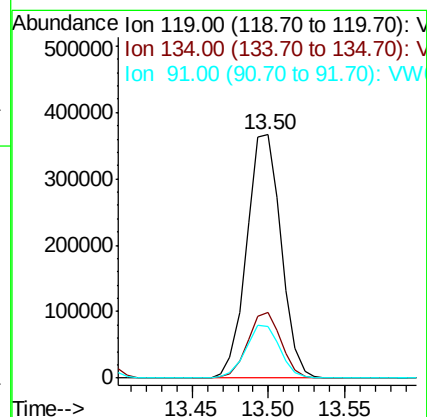
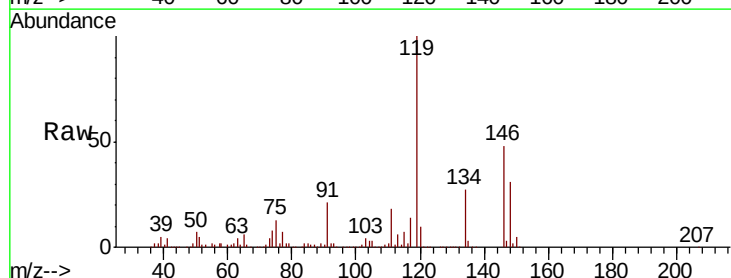
Tgt Ion:119 Resp: 571143

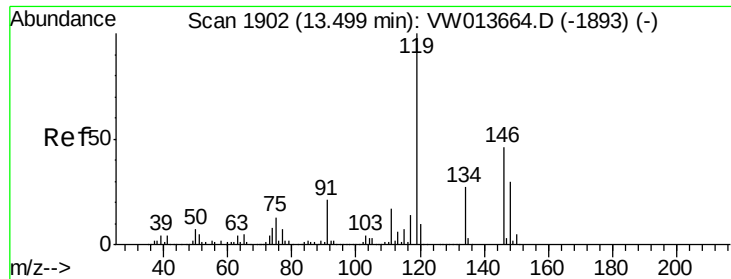
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

91 21.5 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 51.204 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

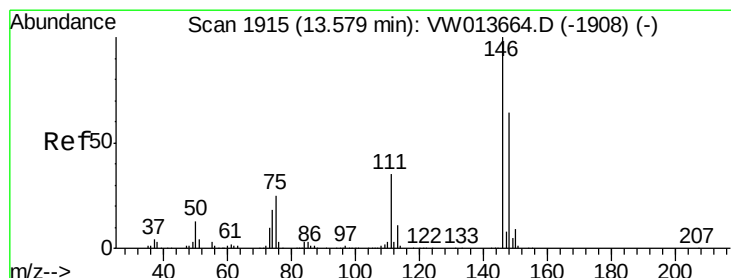
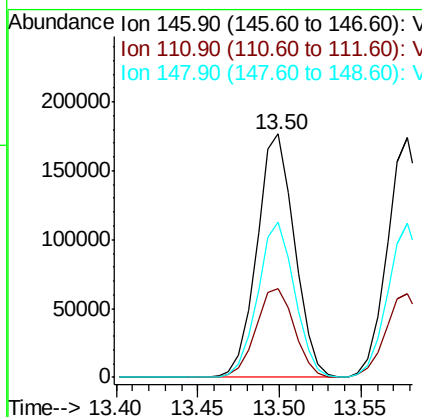
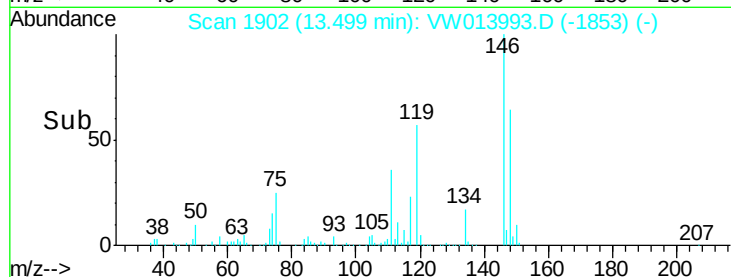
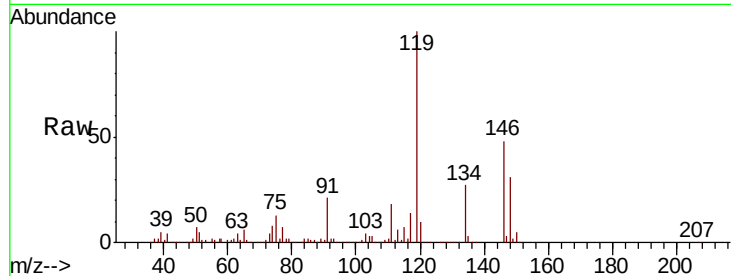
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	56.0
148	62.8	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 50.284 ug/l

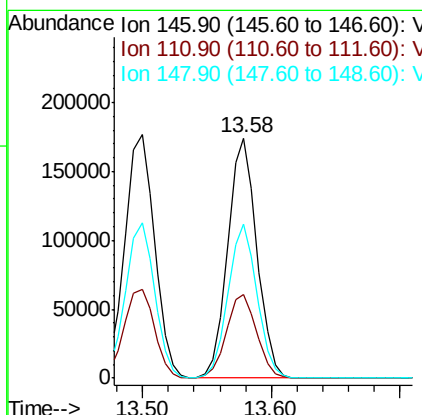
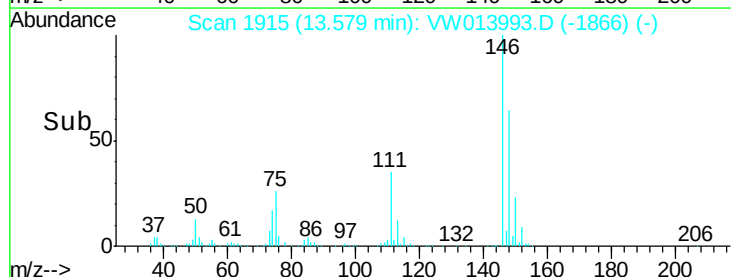
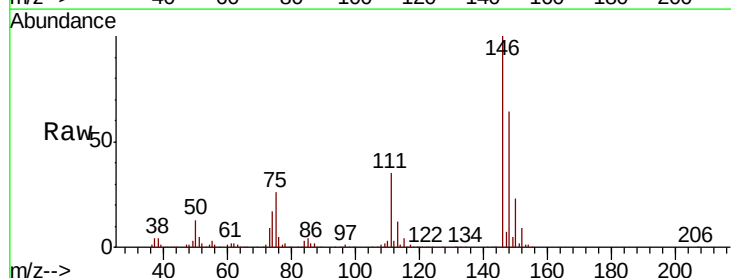
RT: 13.58 min Scan# 1915

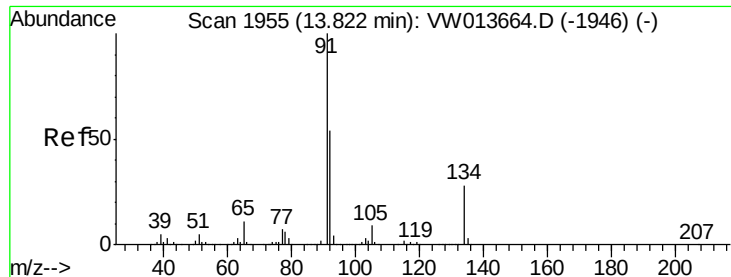
Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.3
148	64.3	32.0	96.2





#89

n-Butylbenzene

Concen: 49.187 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Instrument :

MSVOA_W

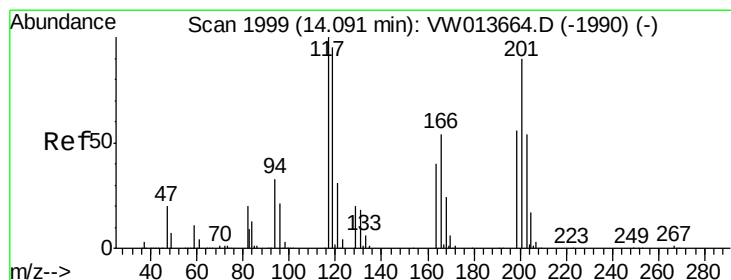
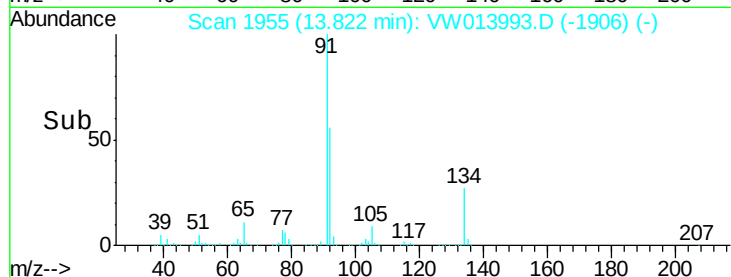
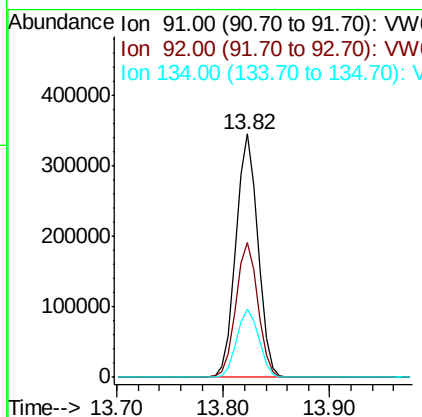
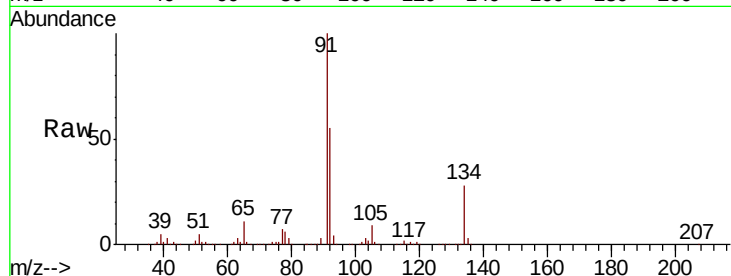
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	503482
Ion Ratio	Lower	Upper	
91	100		
92	55.1	27.5	82.4
134	28.3	14.0	41.9

Manual Integrations
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#90

Hexachloroethane

Concen: 49.924 ug/l

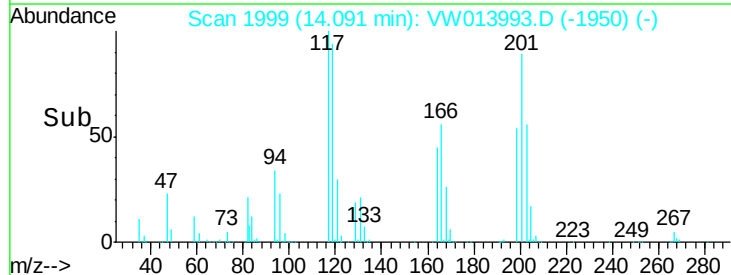
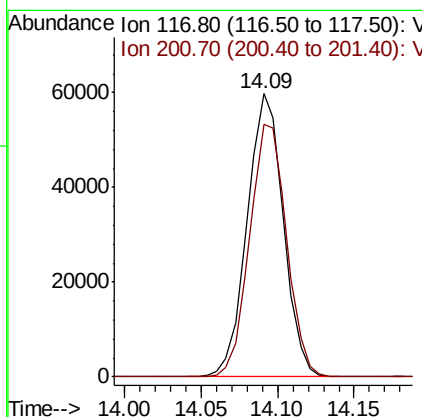
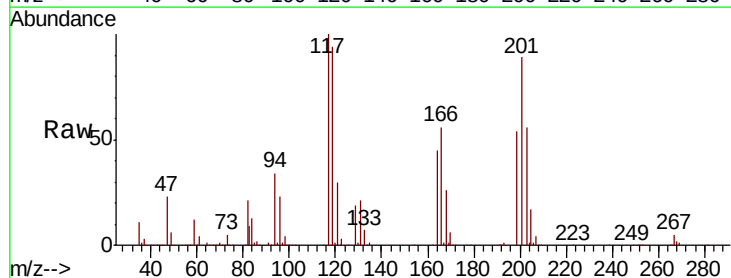
RT: 14.09 min Scan# 1999

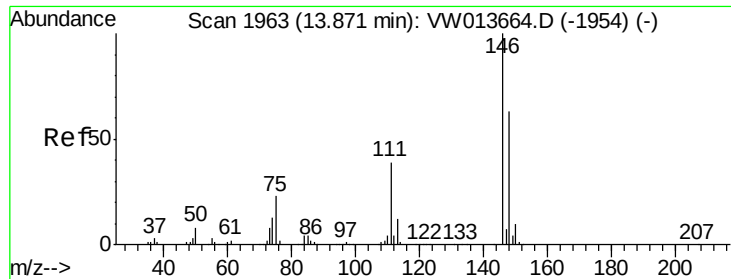
Delta R.T. -0.00 min

Lab File: VW013993.D

Acq: 12 Nov 2019 22:59

Tgt Ion:	117	Resp:	98406
Ion Ratio	Lower	Upper	
117	100		
201	90.9	46.1	138.2





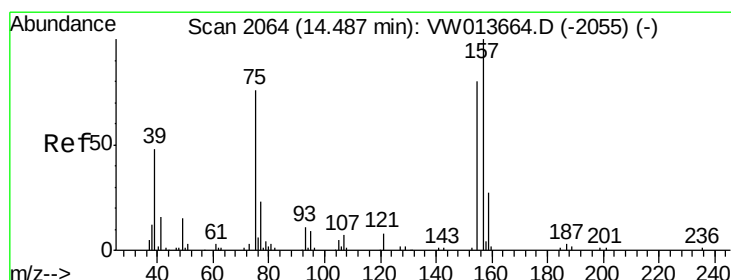
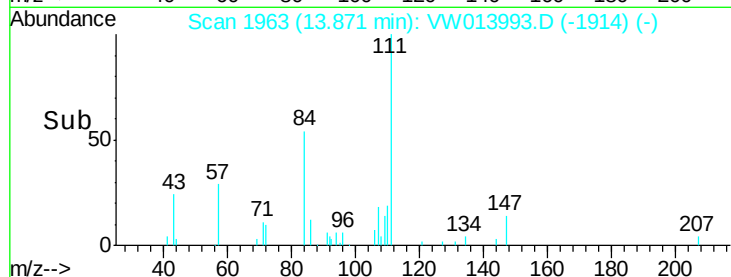
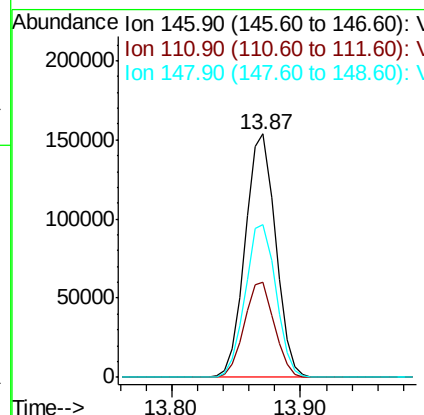
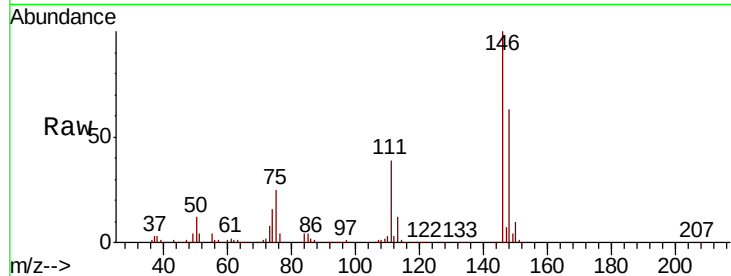
#91
 1,2-Dichlorobenzene
 Concen: 52.400 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.6
148	63.6	31.9	95.9

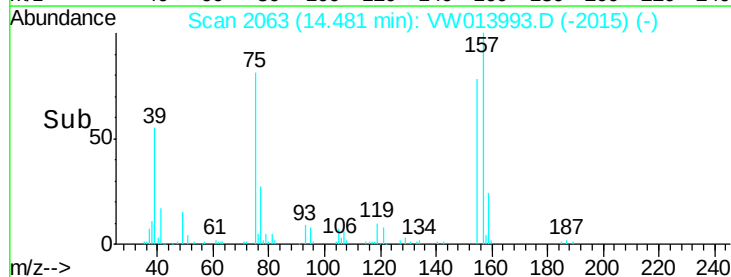
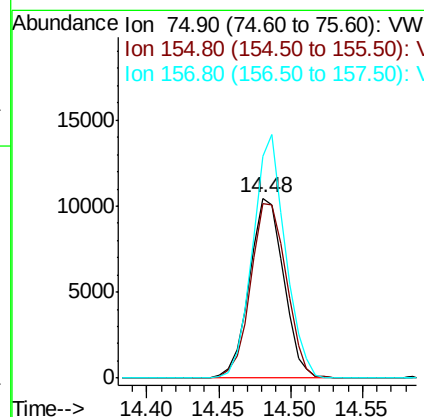
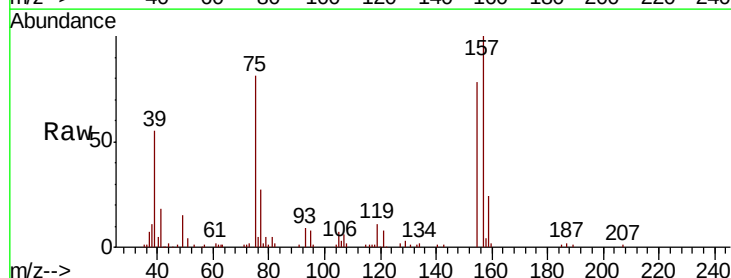
Manual Integrations
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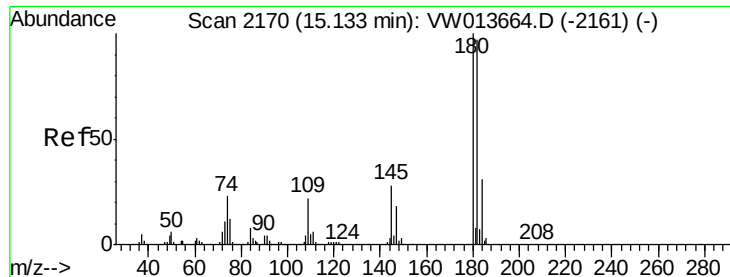
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.608 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	51.9	155.7
157	128.3	64.8	194.3





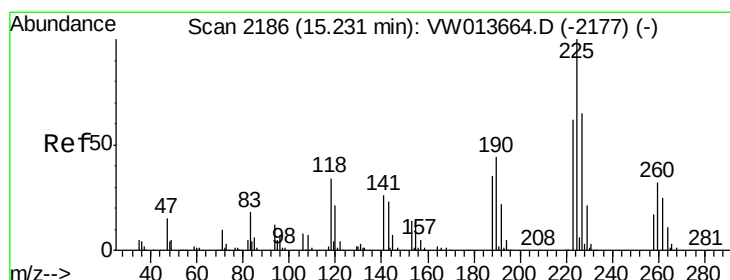
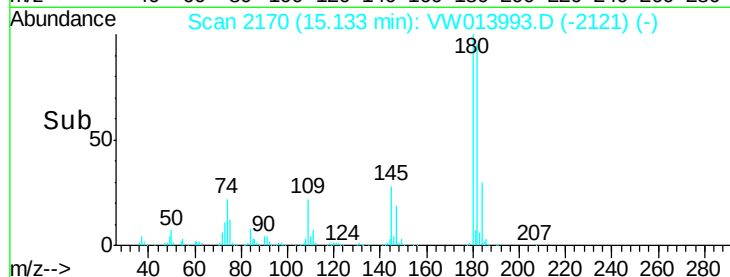
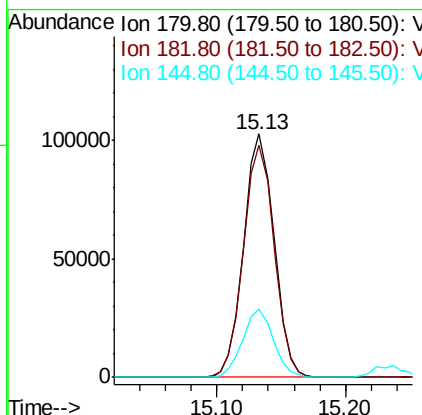
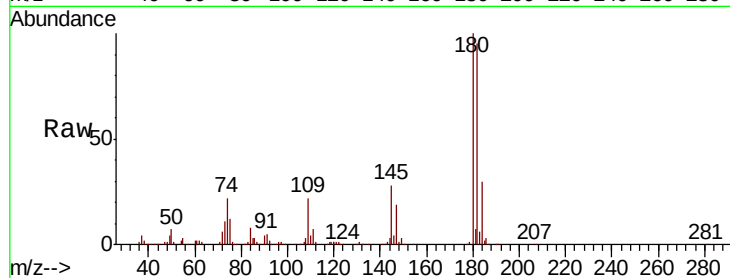
#93
 1,2,4-Trichlorobenzene
 Concen: 48.312 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	167643		
182	96.3	47.4	142.2	
145	28.2	14.1	42.3	

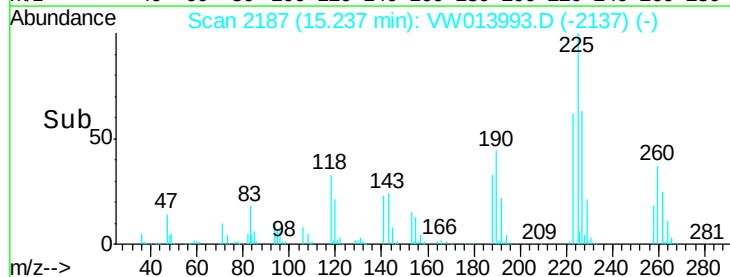
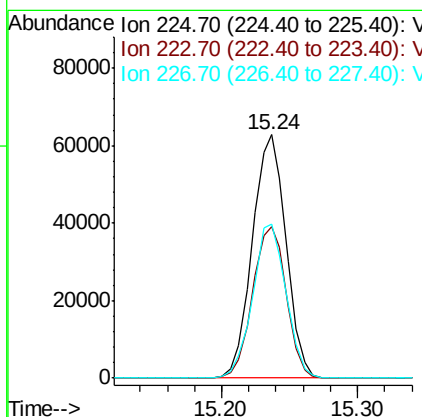
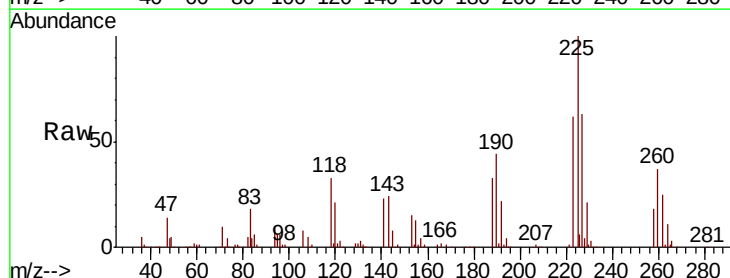
Manual Integrations
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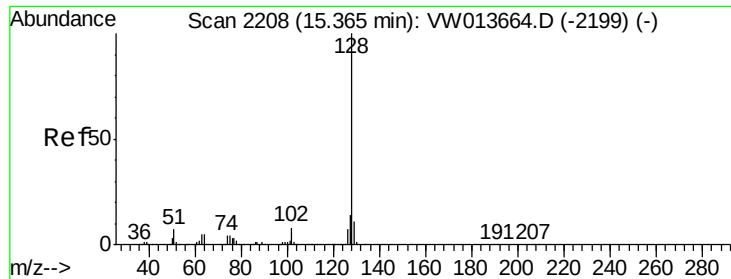
MMDadoda
 11/13/2019 9:33:02 AM



#94
 Hexachlorobutadiene
 Concen: 46.501 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013993.D
 Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108932		
223	62.0	31.9	95.9	
227	62.9	32.5	97.4	





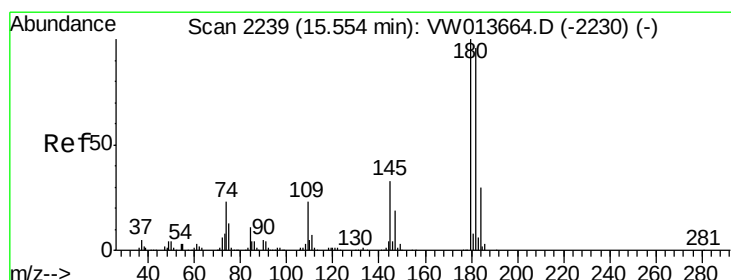
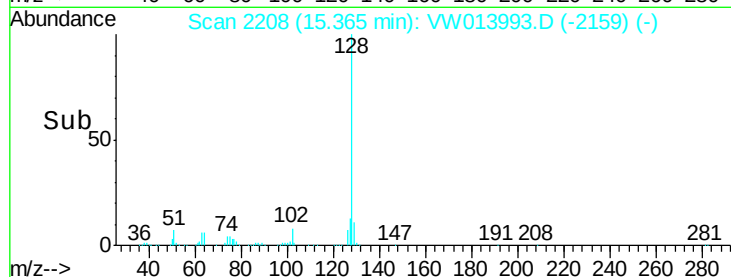
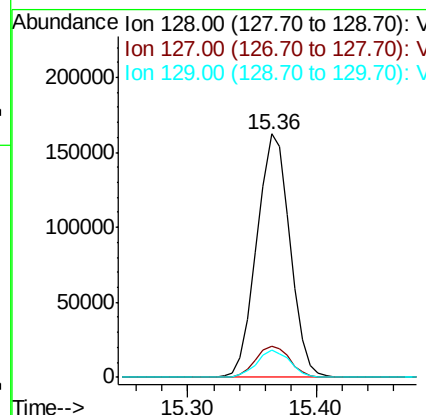
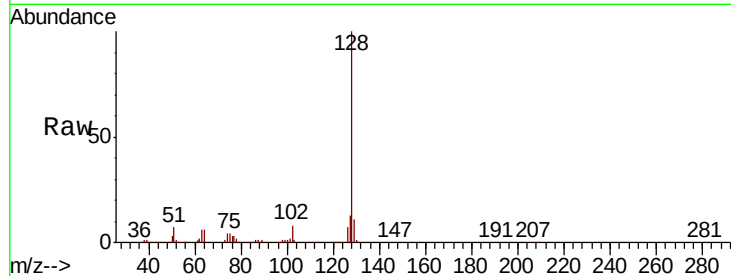
#95
Naphthalene
Concen: 52.939 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/13/2019 9:33:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.118 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013993.D
Acq: 12 Nov 2019 22:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	30.2	14.9	44.9

