

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010445.D
 Acq On : 18 May 2019 08:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:10 PM

Quant Time: May 20 05:56:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 18 01:59:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	686011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1337834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1247993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	601799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	447190	59.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.88%	
35) Dibromofluoromethane	7.88	113	433121	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.32	98	1555301	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.62	95	625769	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	207545	42.521	ug/l	98
3) Chloromethane	2.20	50	320643	45.440	ug/l	99
4) Vinyl Chloride	2.34	62	337159	41.022	ug/l	99
5) Bromomethane	2.74	94	256991	62.672	ug/l	97
6) Chloroethane	2.90	64	246746	48.165	ug/l	98
7) Trichlorofluoromethane	3.25	101	522760	45.864	ug/l	98
8) Diethyl Ether	3.68	74	240547	59.332	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	328978	45.348	ug/l	96
10) Methyl Iodide	4.26	142	425159	52.405	ug/l	99
11) Tert butyl alcohol	5.15	59	236086	345.937	ug/l	99
12) 1,1-Dichloroethene	4.03	96	325040	47.511	ug/l	95
13) Acrolein	3.89	56	84421	185.211	ug/l	96
14) Allyl chloride	4.66	41	532147	50.144	ug/l	99
15) Acrylonitrile	5.36	53	553364	319.229	ug/l	99
16) Acetone	4.12	43	428079	323.008	ug/l	97
17) Carbon Disulfide	4.37	76	879124	45.001	ug/l	100
18) Methyl Acetate	4.67	43	296936	71.696	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	1196352	60.966	ug/l	99
20) Methylene Chloride	4.91	84	417433	60.866	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	403364	50.552	ug/l	99
22) Diisopropyl ether	6.31	45	1302481	57.507	ug/l	99
23) Vinyl Acetate	6.25	43	3583944	253.658	ug/l	99
24) 1,1-Dichloroethane	6.21	63	715484	54.564	ug/l	99
25) 2-Butanone	7.17	43	722437	319.782	ug/l	97
26) 2,2-Dichloropropane	7.17	77	413340	34.930	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	503926	56.315	ug/l	97
28) Bromochloromethane	7.51	49	313380	63.610	ug/l	98
29) Tetrahydrofuran	7.52	42	489289	320.045	ug/l	99
30) Chloroform	7.67	83	784725	56.900	ug/l	100
31) Cyclohexane	7.95	56	540529	46.425	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	652324	50.161	ug/l	100
36) 1,1-Dichloropropene	8.08	75	513345	43.343	ug/l	100
37) Ethyl Acetate	7.25	43	323478	56.924	ug/l	98
38) Carbon Tetrachloride	8.06	117	558473	43.693	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	640488	40.495	ug/l	98
40) Benzene	8.32	78	1670097	49.409	ug/l	99
41) Methacrylonitrile	7.48	41	178638	52.496	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	541105	53.728	ug/l	99
43) Isopropyl Acetate	8.42	43	637265	55.068	ug/l	99
44) Trichloroethene	9.09	130	476767	49.231	ug/l	100
45) 1,2-Dichloropropane	9.37	63	431701	52.173	ug/l	100
46) Dibromomethane	9.46	93	267821	54.793	ug/l	98
47) Bromodichloromethane	9.64	83	644726	53.081	ug/l	97
48) Methyl methacrylate	9.43	41	286873	53.798	ug/l	98
49) 1,4-Dioxane	9.45	88	89610	1238.761	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	1658775	280.223	ug/l	100
52) Toluene	10.38	92	1093327	48.702	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	614055	49.020	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	683655	48.139	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	395676	56.106	ug/l	98
56) Ethyl methacrylate	10.65	69	539721	54.846	ug/l	99
57) 1,3-Dichloropropane	10.93	76	653775	55.300	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1298095	274.534	ug/l	99
59) 2-Hexanone	10.97	43	1145064	277.797	ug/l	100
60) Dibromochloromethane	11.13	129	489733	55.961	ug/l	100
61) 1,2-Dibromoethane	11.23	107	395599	55.349	ug/l	98
64) Tetrachloroethene	10.86	164	526008	64.080	ug/l	98
65) Chlorobenzene	11.66	112	1248355	49.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	478177	51.096	ug/l	99
67) Ethyl Benzene	11.73	91	2060149	46.149	ug/l	99
68) m/p-Xylenes	11.84	106	1622905	92.885	ug/l	100
69) o-Xylene	12.16	106	808978	48.572	ug/l	99
70) Styrene	12.18	104	1426947	49.758	ug/l	99
71) Bromoform	12.35	173	293017	55.571	ug/l #	99
73) Isopropylbenzene	12.46	105	2040992	43.860	ug/l	100
74) N-amyl acetate	12.27	43	585336	49.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	459923	49.904	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	320053m	49.665	ug/l	
77) Bromobenzene	12.75	156	523399	49.789	ug/l	99
78) n-propylbenzene	12.80	91	2324682	43.067	ug/l	99
79) 2-Chlorotoluene	12.89	91	1441695	45.738	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1773453	44.774	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	129115	39.537	ug/l	99
82) 4-Chlorotoluene	12.99	91	1502094	45.628	ug/l	99
83) tert-Butylbenzene	13.21	119	1533923	45.792	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1803213	46.274	ug/l	100
85) sec-Butylbenzene	13.38	105	2035202	43.148	ug/l	100
86) p-Isopropyltoluene	13.50	119	1846960	43.344	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	968637	47.846	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	981191	48.689	ug/l	99
89) n-Butylbenzene	13.83	91	1679056	41.299	ug/l	100
90) Hexachloroethane	14.10	117	387664	45.226	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	931586	50.610	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	88999	51.894	ug/l	100

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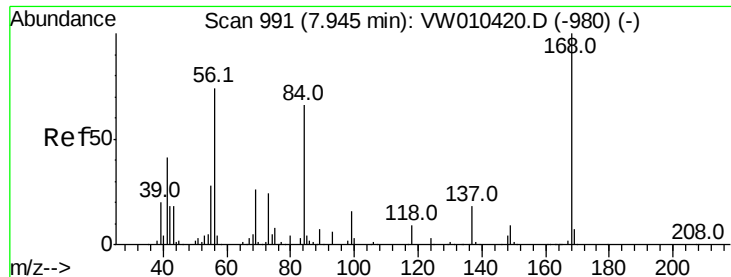
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	569735	47.480	ug/l	99
94) Hexachlorobutadiene	15.24	225	277136	43.261	ug/l	98
95) Naphthalene	15.37	128	1410048	51.985	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	529042	50.005	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: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 686011

Ion Ratio Lower Upper

168 100

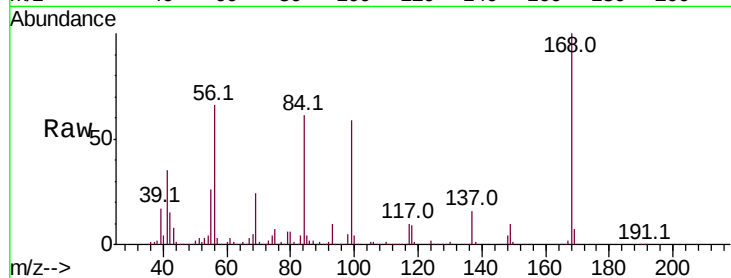
99 59.1 50.8 76.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

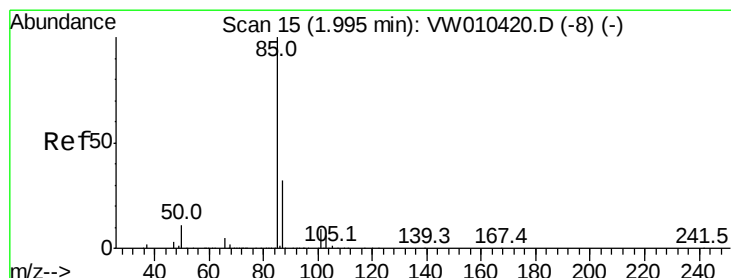
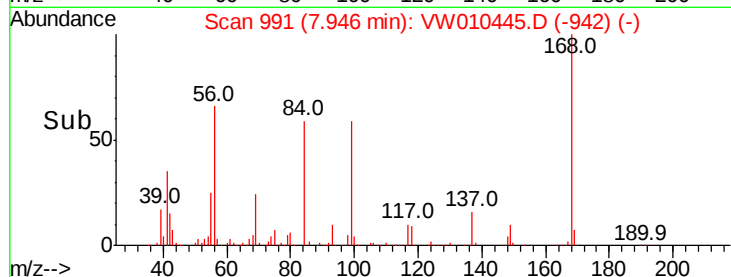
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 42.521 ug/l

RT: 1.99 min Scan# 14

Delta R.T. -0.01 min

Lab File: VW010445.D

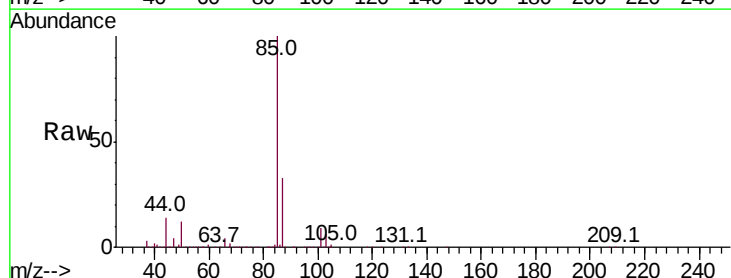
Acq: 18 May 2019 08:08

Tgt Ion: 85 Resp: 207545

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

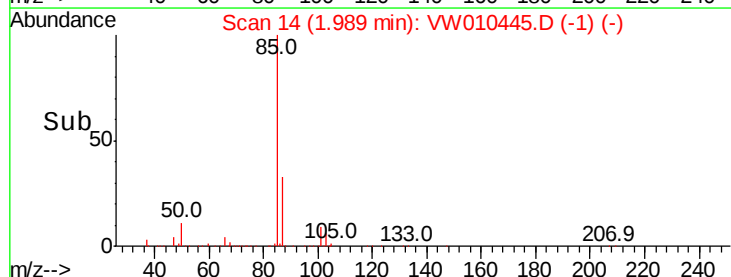
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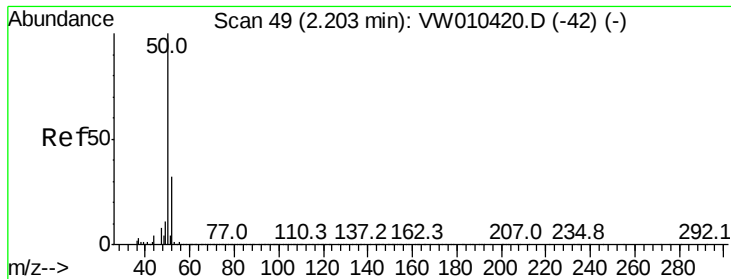
100000

50000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 45.440 ug/l

RT: 2.20 min Scan# 49

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 320643

Ion Ratio Lower Upper

50 100

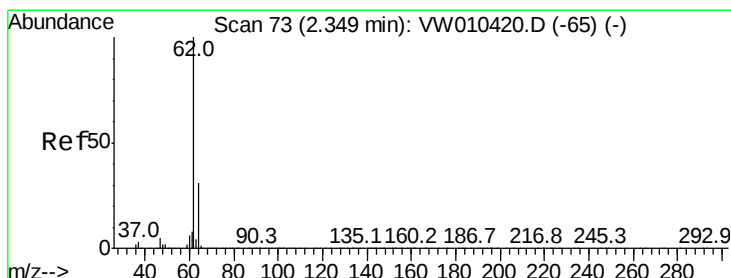
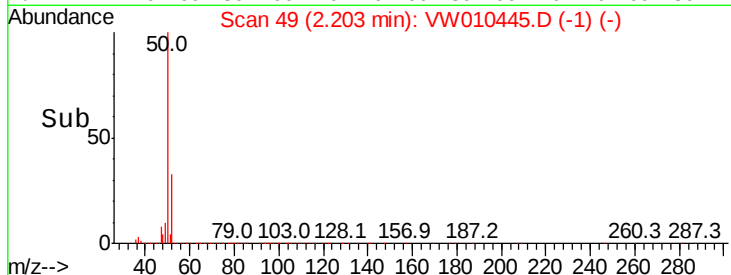
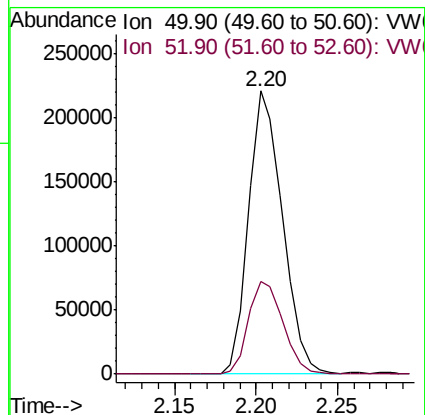
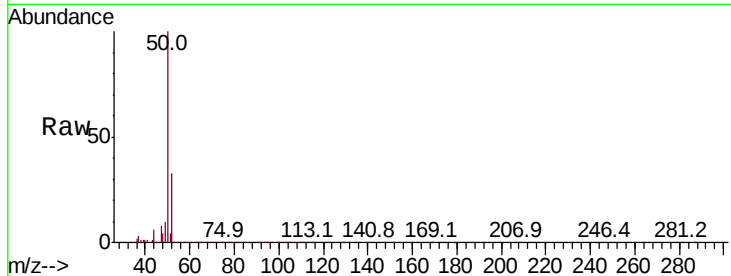
52 32.5 25.4 38.0

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#4

Vinyl Chloride

Concen: 41.022 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VW010445.D

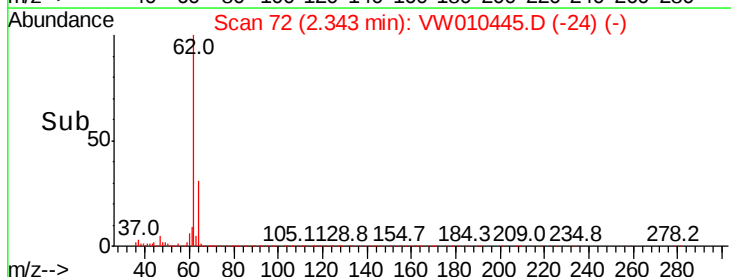
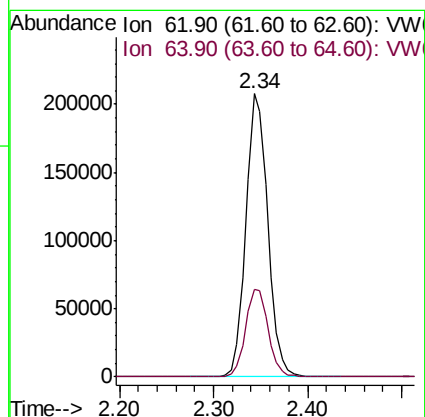
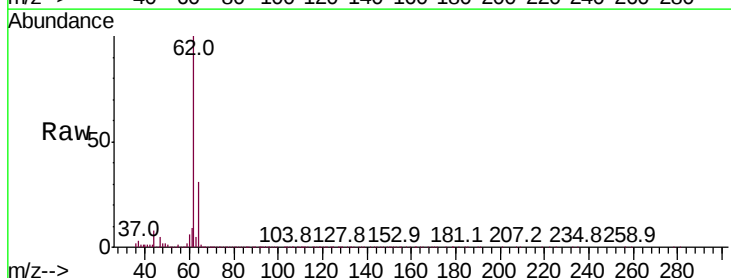
Acq: 18 May 2019 08:08

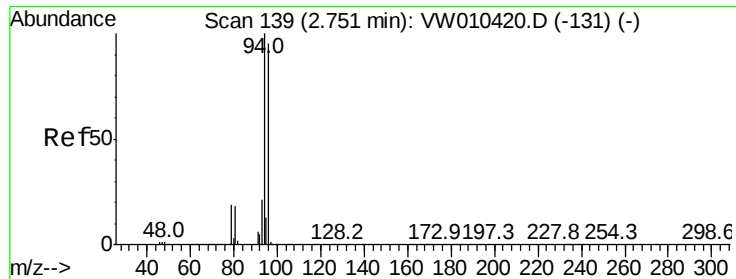
Tgt Ion: 62 Resp: 337159

Ion Ratio Lower Upper

62 100

64 31.0 24.4 36.6





#5

Bromomethane

Concen: 62.672 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 256991

Ion Ratio Lower Upper

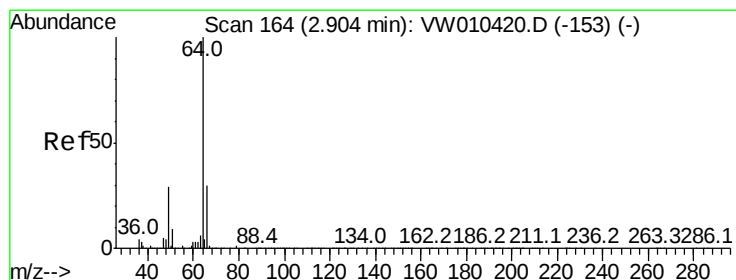
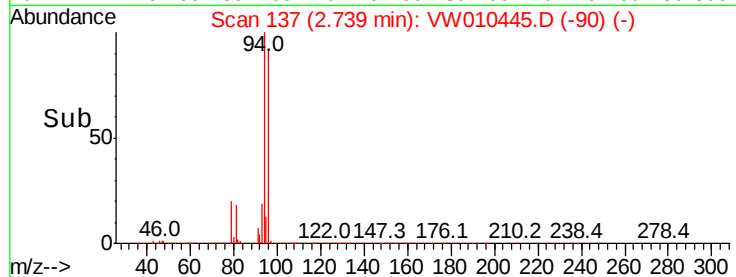
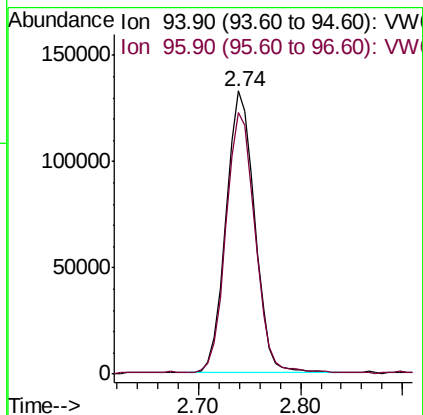
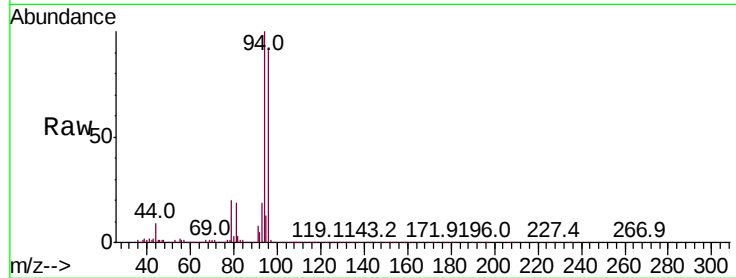
94 100

96 92.1 75.8 113.6

Manual Integrations
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#6

Chloroethane

Concen: 48.165 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010445.D

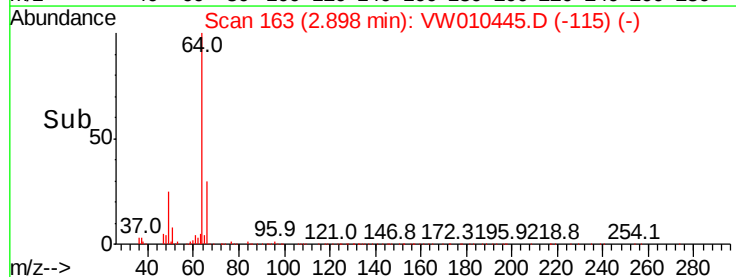
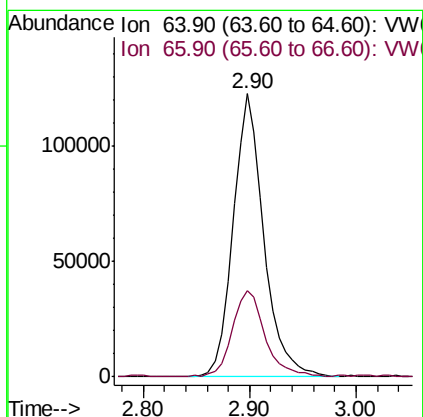
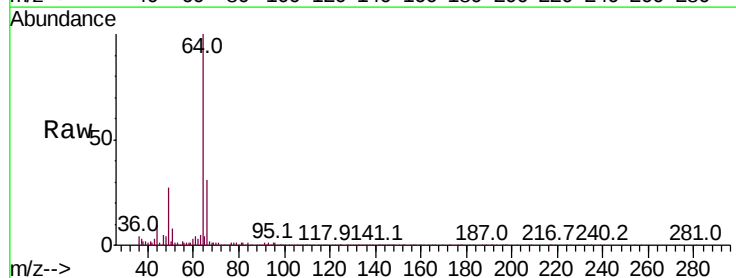
Acq: 18 May 2019 08:08

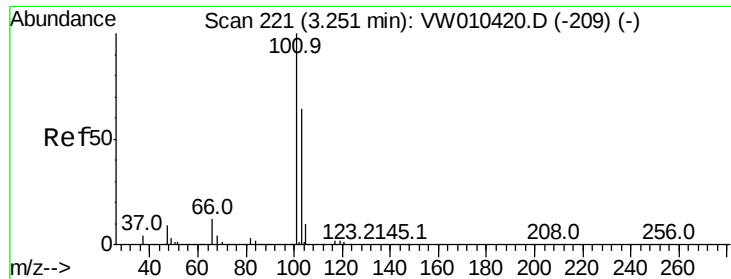
Tgt Ion: 64 Resp: 246746

Ion Ratio Lower Upper

64 100

66 30.3 23.6 35.4





#7

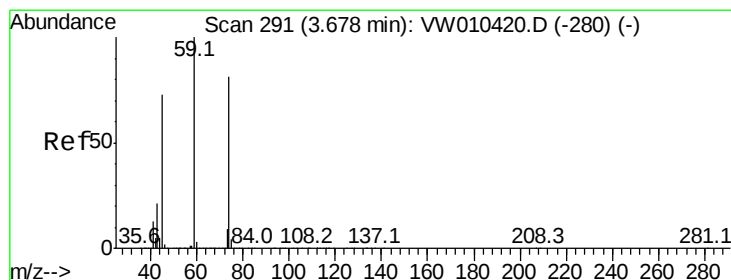
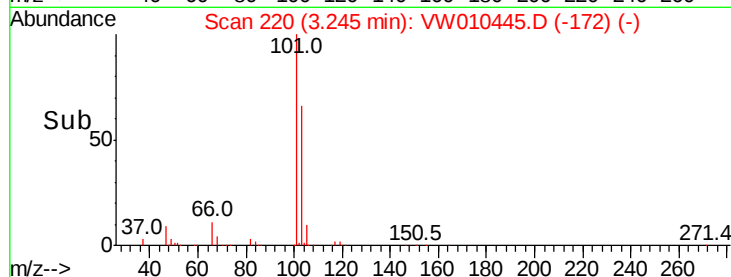
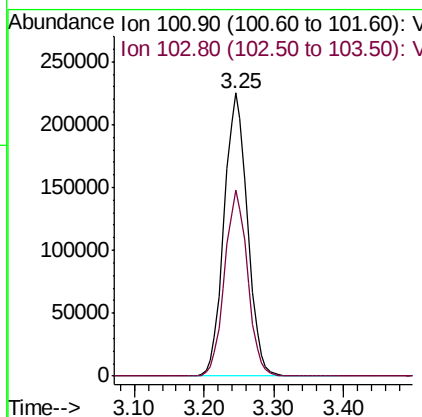
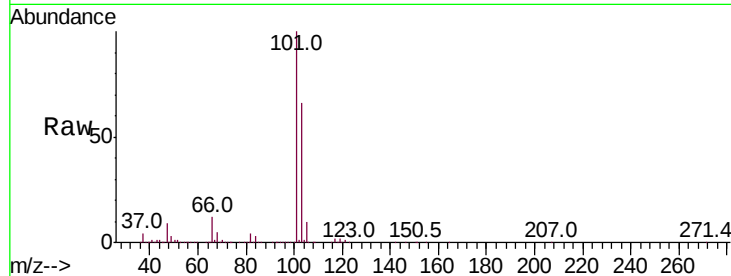
Trichlorofluoromethane
 Concen: 45.864 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.4	77.0

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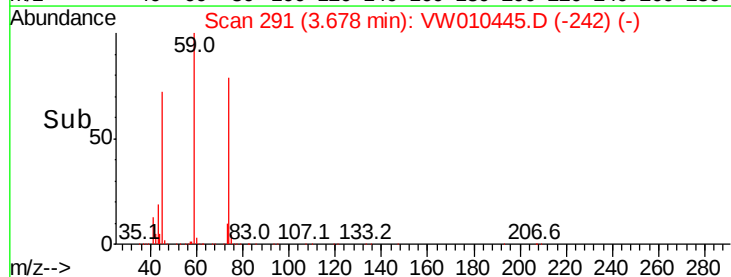
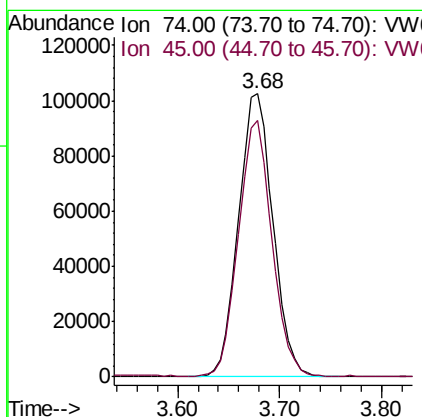
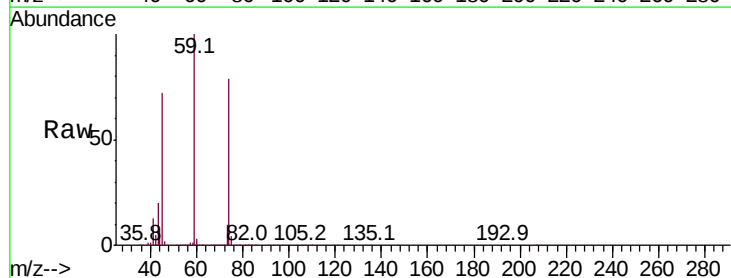
MMDadoda
 5/20/2019 12:15:10 PM

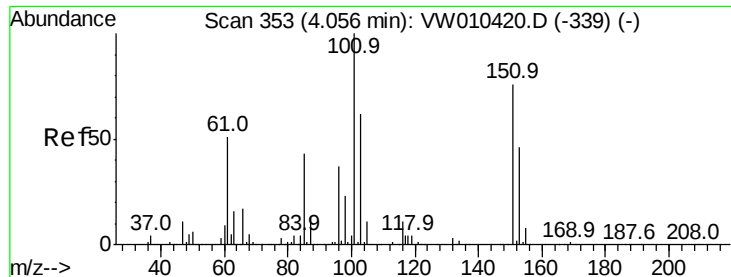


#8

Diethyl Ether
 Concen: 59.332 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.6	43.4	130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.348 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

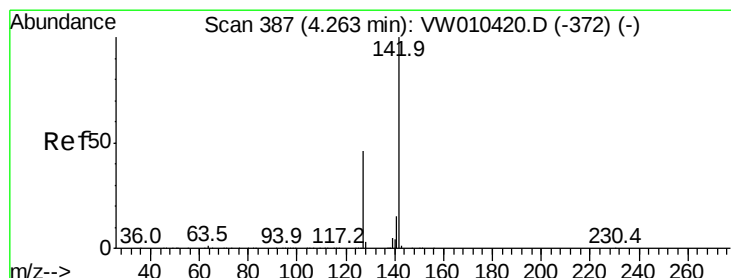
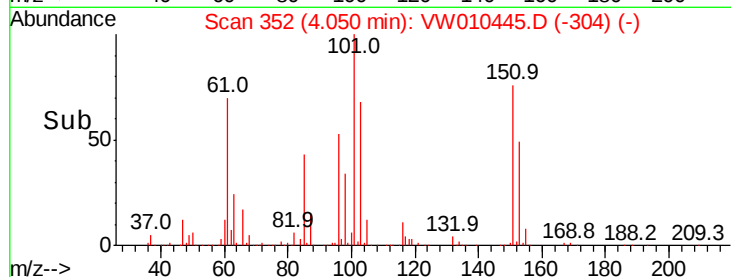
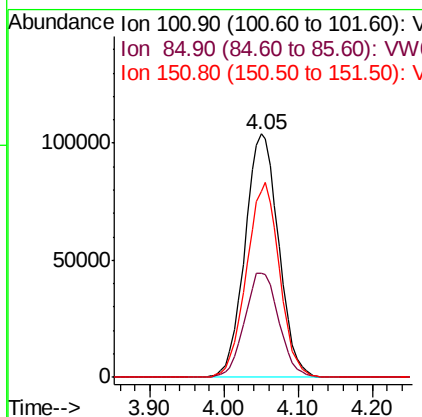
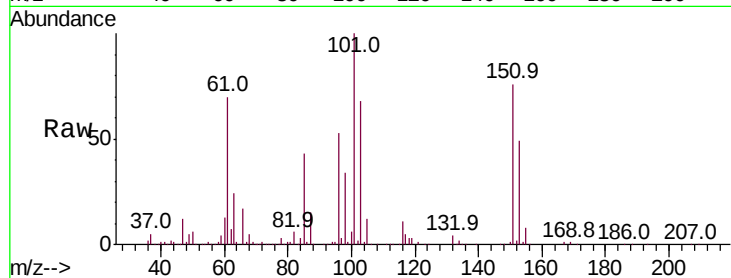
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	328978
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.3	51.5
151	78.3	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 52.405 ug/l

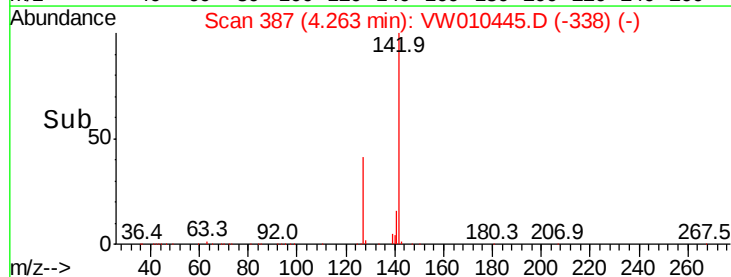
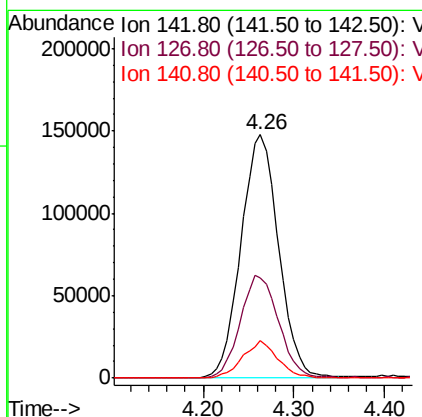
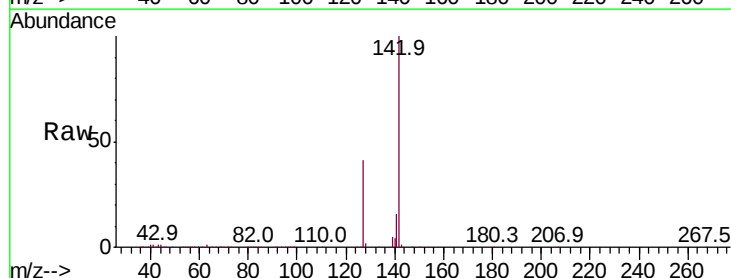
RT: 4.26 min Scan# 387

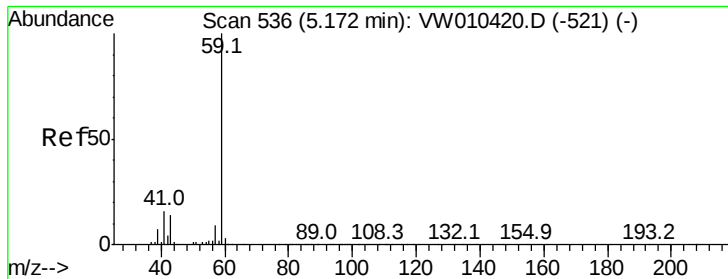
Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion:	142	Resp:	425159
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.4	53.2
141	14.4	11.4	17.2





#11

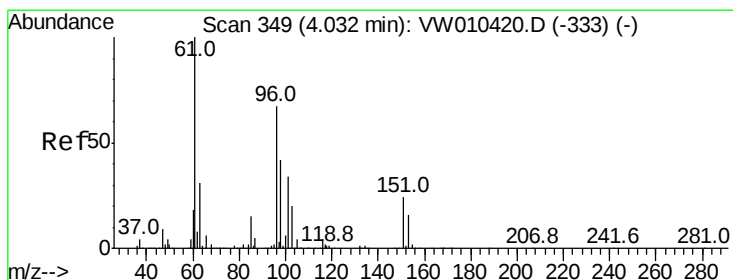
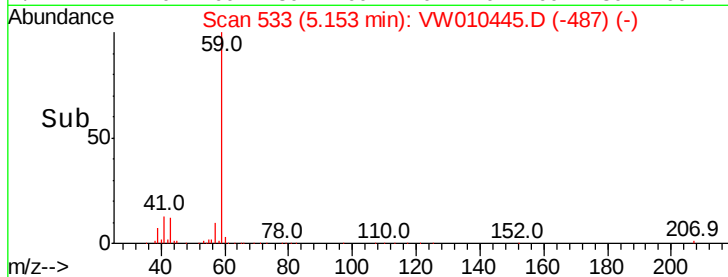
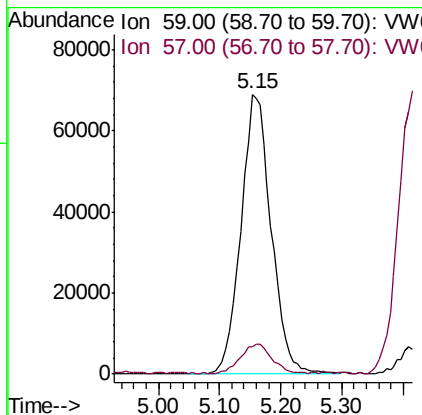
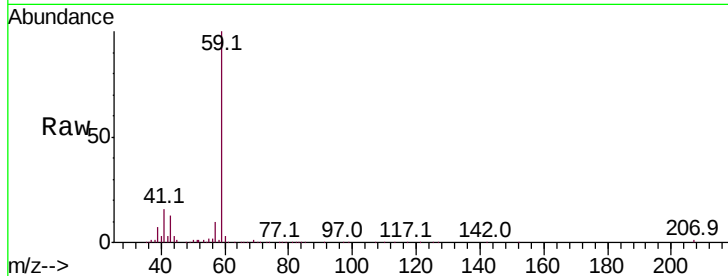
Tert butyl alcohol
Concen: 345.937 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	236086
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

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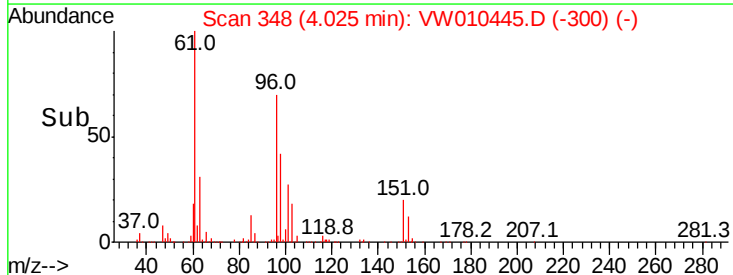
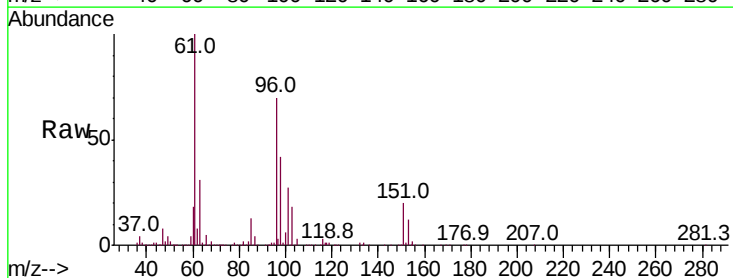
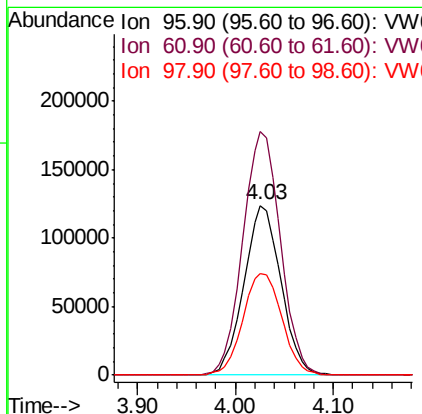
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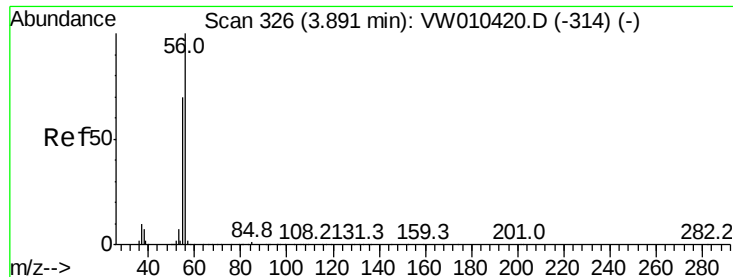


#12

1,1-Dichloroethene
Concen: 47.511 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	96	Resp	325040
Ion Ratio	100	Lower	Upper
61	143.5	120.3	180.5
98	59.6	50.7	76.1





#13

Acrolein

Concen: 185.211 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 84421

Ion Ratio Lower Upper

56 100

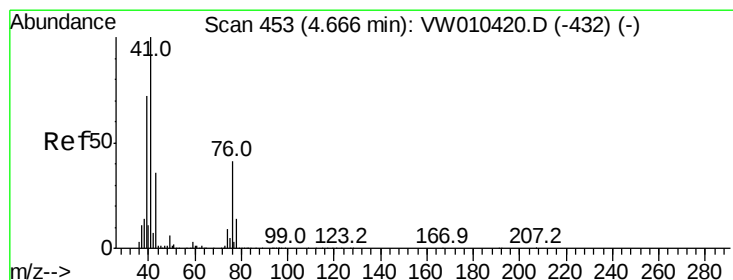
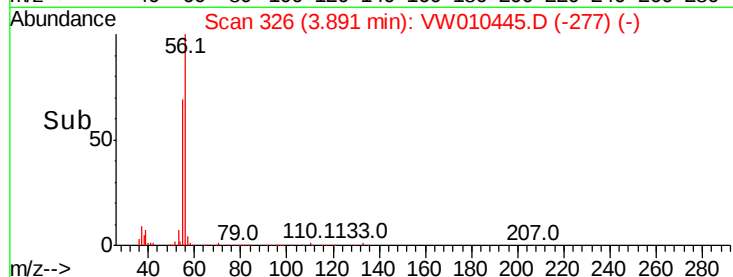
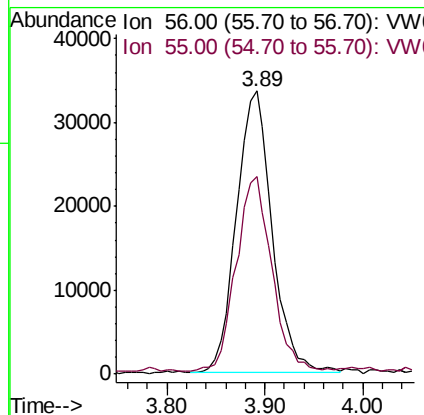
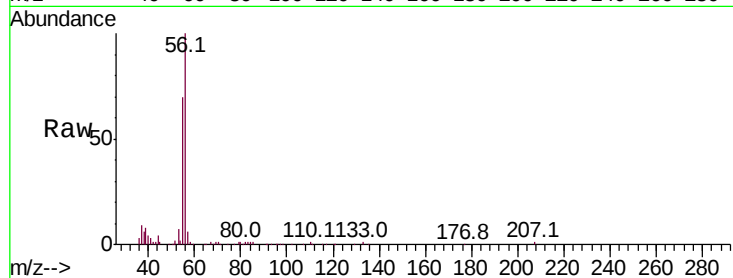
55 68.5 57.6 86.4

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#14

Allyl chloride

Concen: 50.144 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

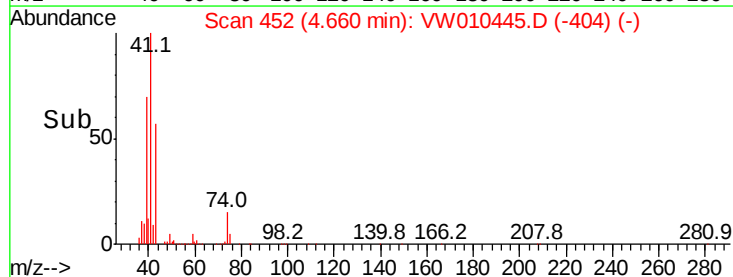
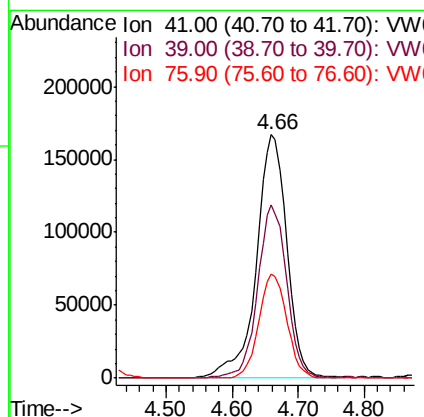
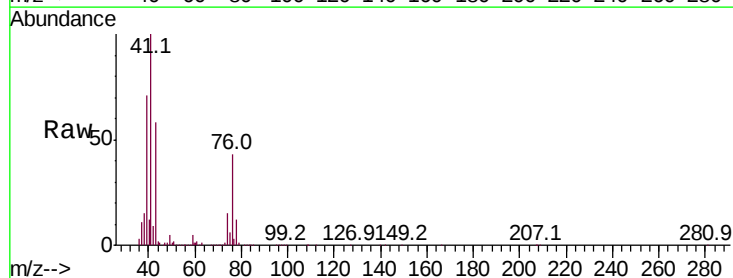
Tgt Ion: 41 Resp: 532147

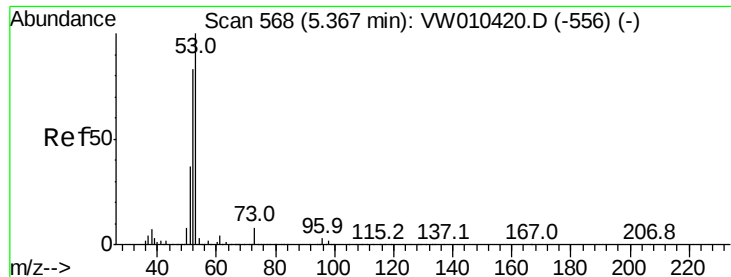
Ion Ratio Lower Upper

41 100

39 67.9 54.9 82.3

76 39.6 31.8 47.6





#15

Acrylonitrile

Concen: 319.229 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

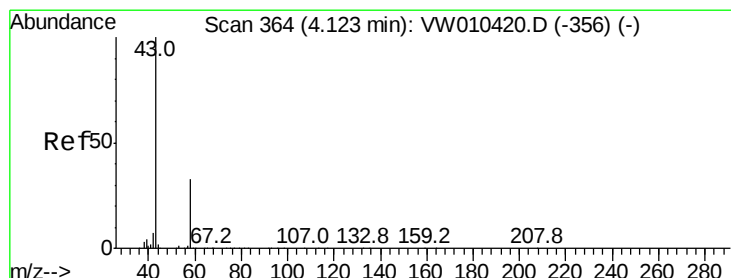
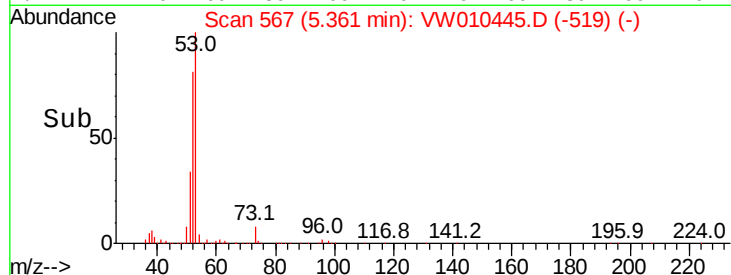
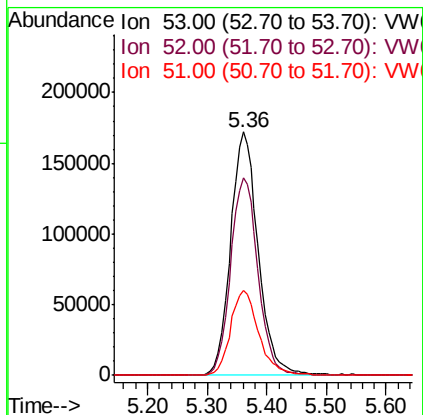
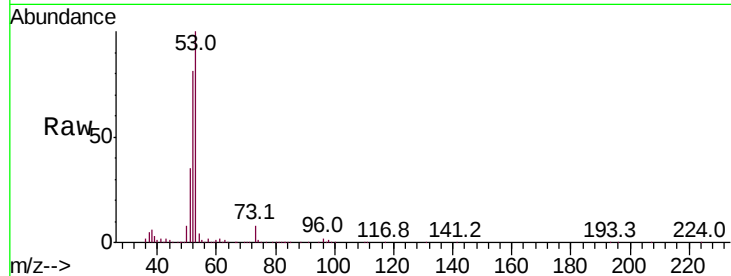
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	553364
Ion Ratio	Lower	Upper	
53	100		
52	80.4	63.9	95.9
51	35.8	29.5	44.3

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#16

Acetone

Concen: 323.008 ug/l

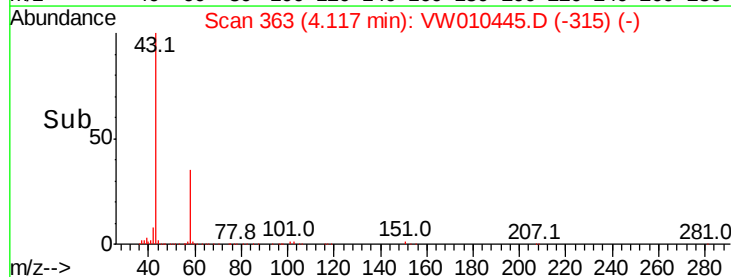
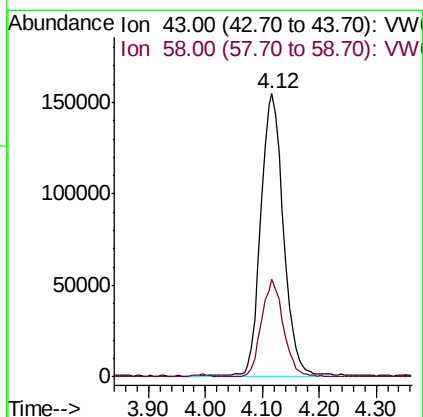
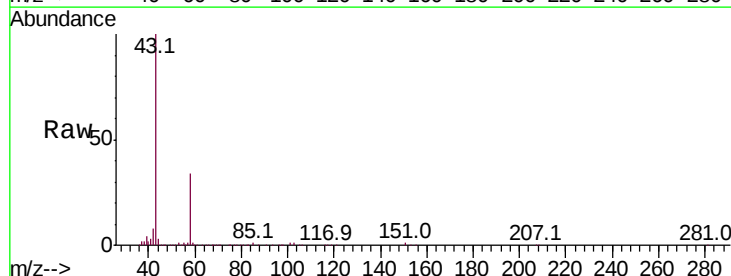
RT: 4.12 min Scan# 363

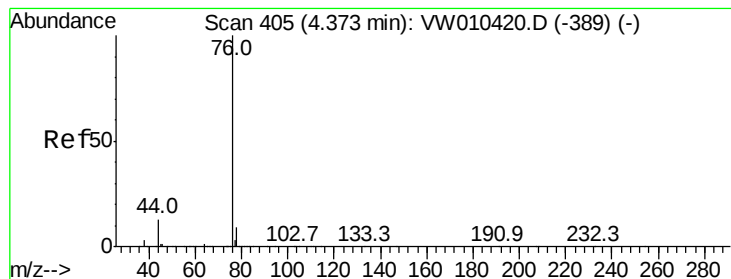
Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion:	43	Resp:	428079
Ion Ratio	Lower	Upper	
43	100		
58	34.3	26.0	39.0





#17

Carbon Disulfide

Concen: 45.001 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tot Ion: 76 Resp: 879124

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

Instrument :

MSVOA_W

ClientSampleId :

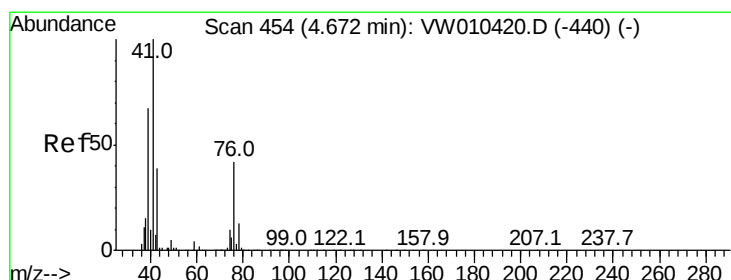
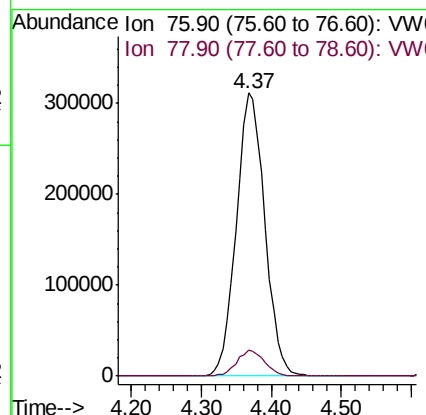
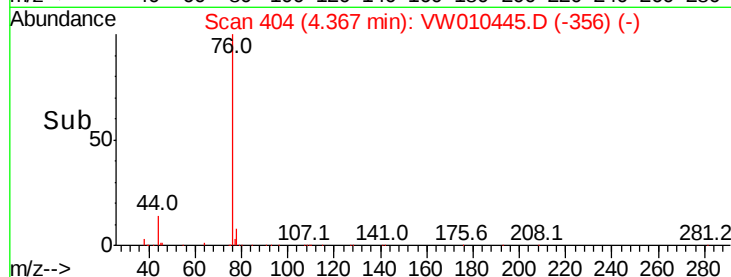
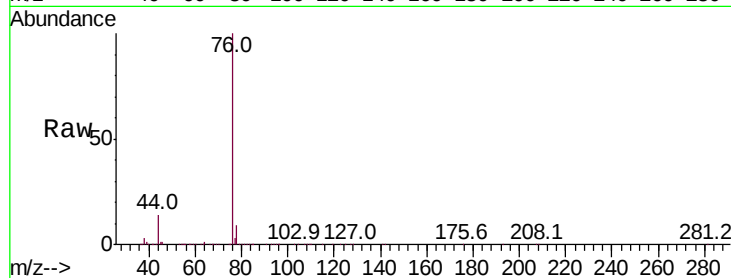
VSTDCCC050EC

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#18

Methyl Acetate

Concen: 71.696 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010445.D

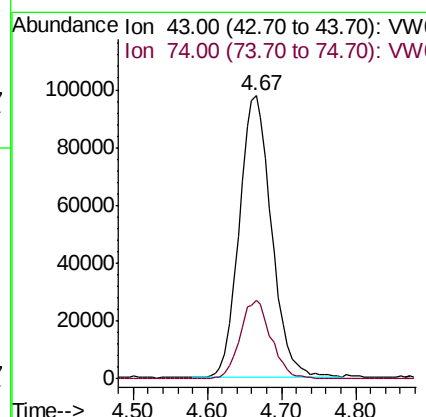
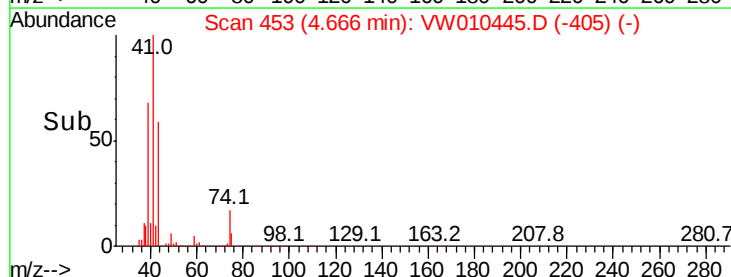
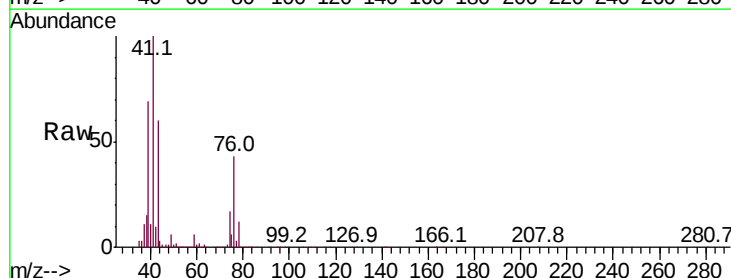
Acq: 18 May 2019 08:08

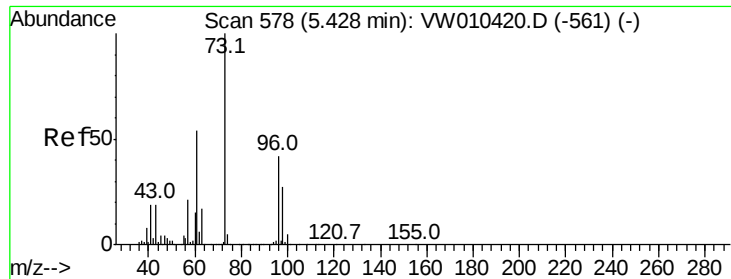
Tgt Ion: 43 Resp: 296936

Ion Ratio Lower Upper

43 100

74 27.0 21.2 31.8





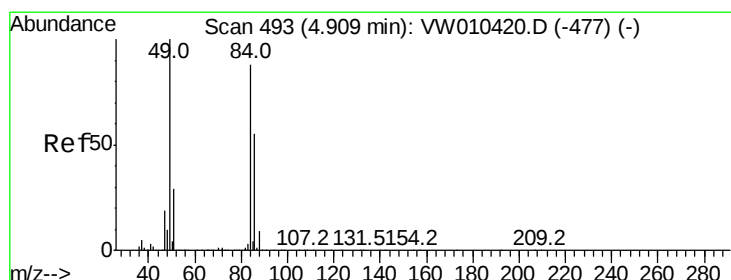
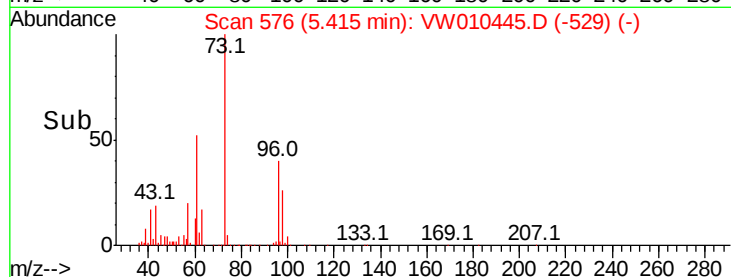
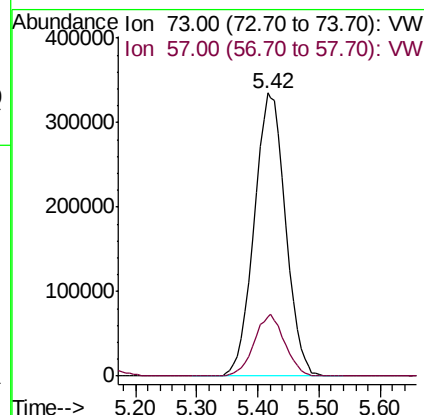
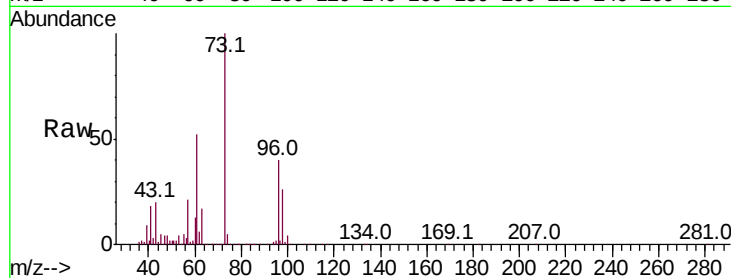
#19
Methyl tert-butyl Ether
Concen: 60.966 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1196352
Ion Ratio Lower Upper
73 100
57 20.7 17.0 25.4

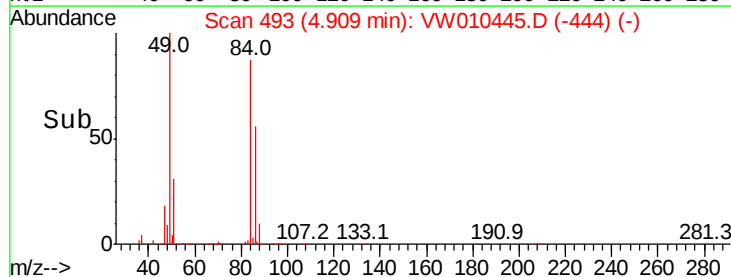
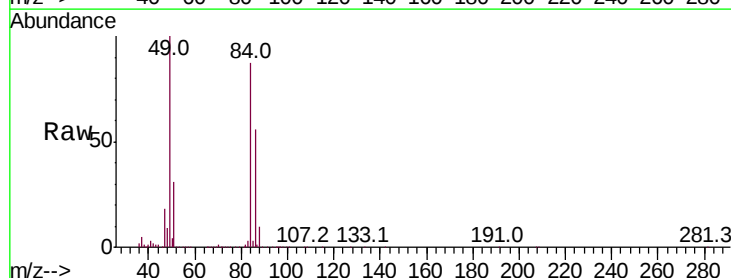
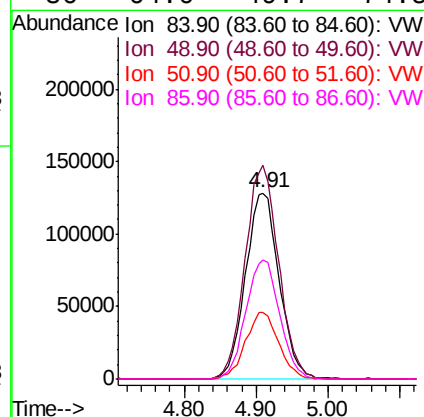
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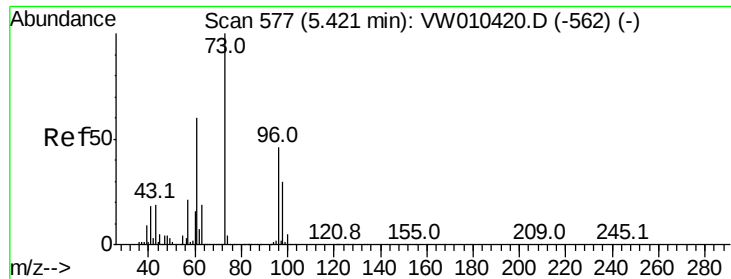
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#20
Methylene Chloride
Concen: 60.866 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion: 84 Resp: 417433
Ion Ratio Lower Upper
84 100
49 115.0 90.6 135.8
51 35.6 26.6 40.0
86 64.0 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 50.552 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

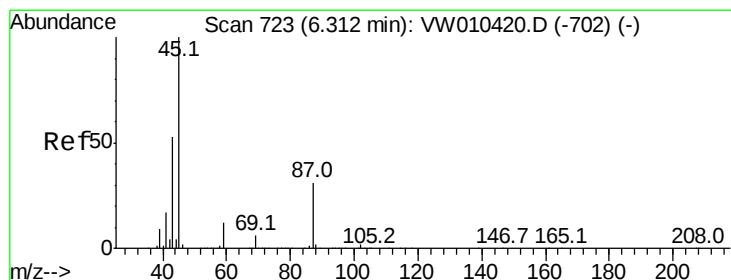
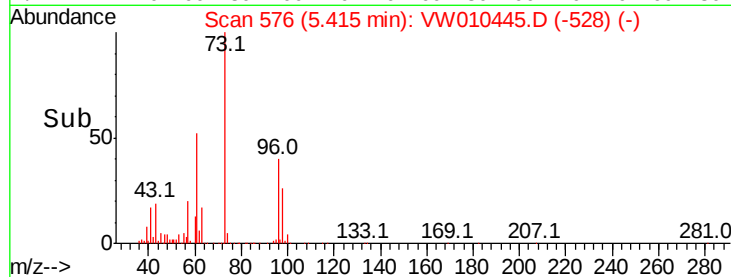
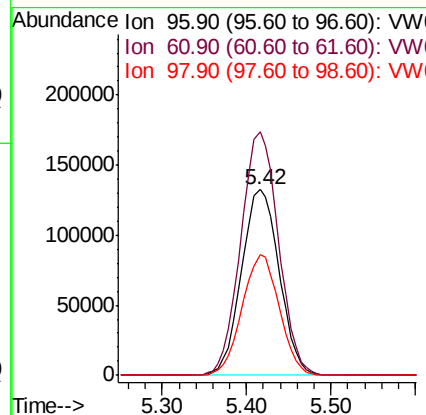
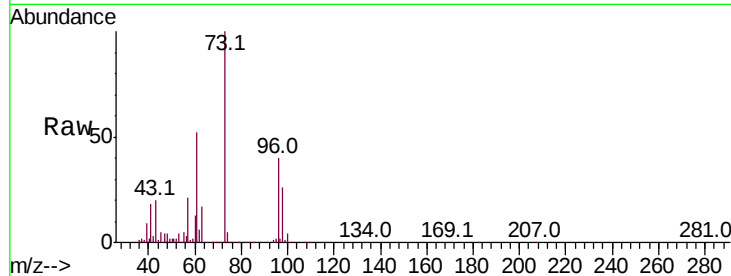
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	403364
Ion	Ratio	Lower	Upper
96	100		
61	131.0	103.9	155.9
98	64.6	51.5	77.3

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#22

Diisopropyl ether

Concen: 57.507 ug/l

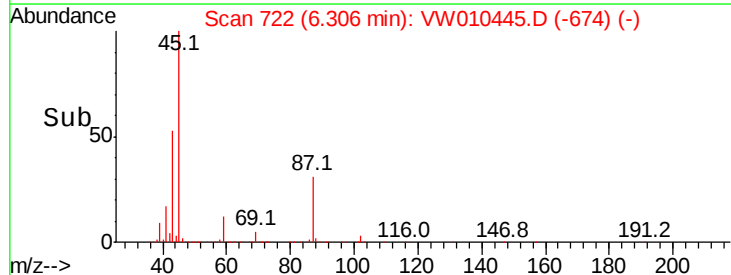
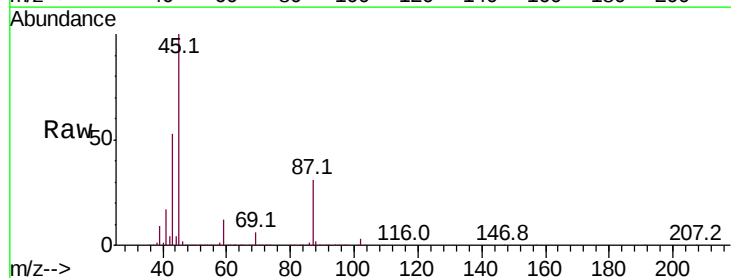
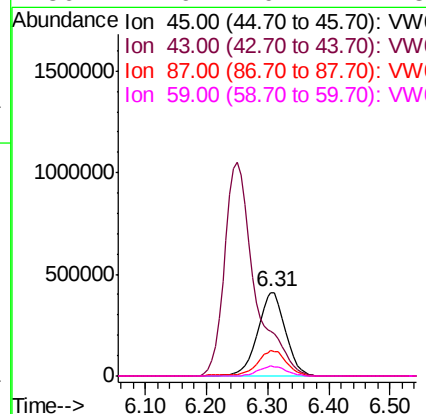
RT: 6.31 min Scan# 722

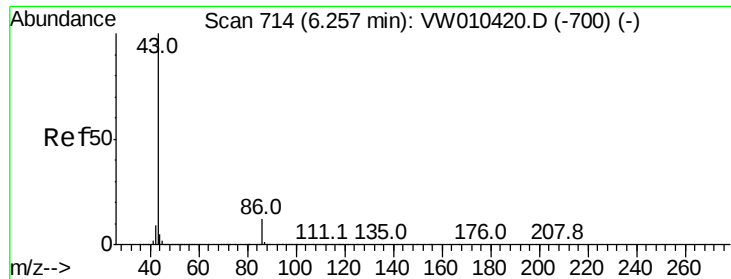
Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion:	45	Resp:	1302481
Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.0	63.0
87	30.7	25.0	37.6
59	11.9	9.7	14.5





#23

Vinyl Acetate

Concen: 253.658 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tot Ion: 43 Resp: 3583944

Ion Ratio Lower Upper

43 100

86 12.4 9.7 14.5

Instrument :

MSVOA_W

ClientSampleId :

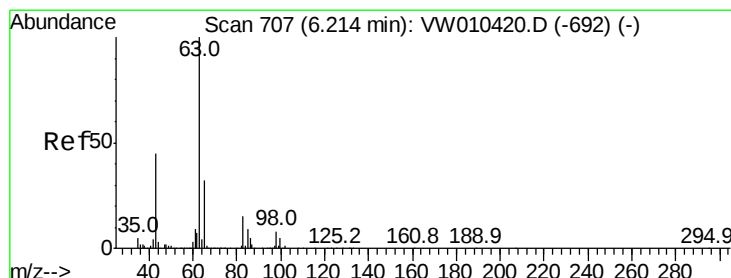
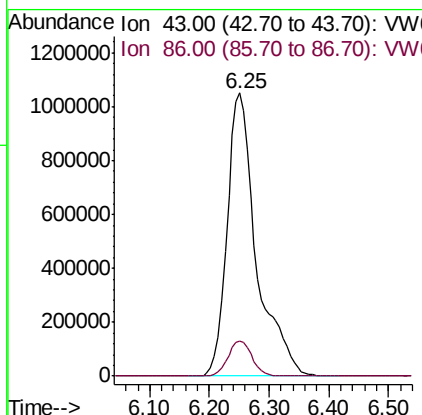
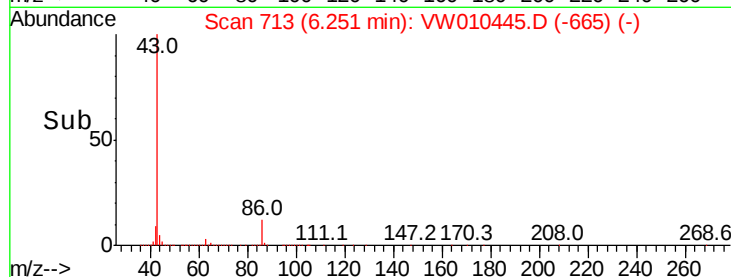
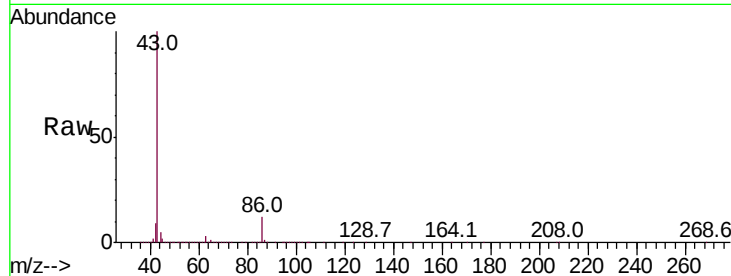
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 54.564 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

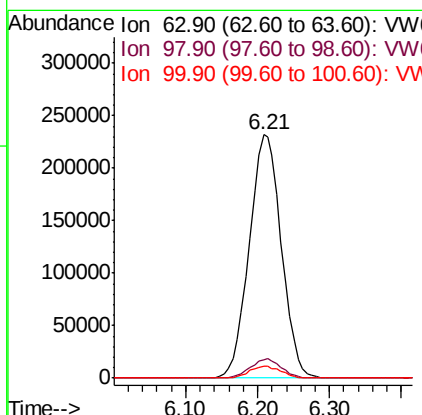
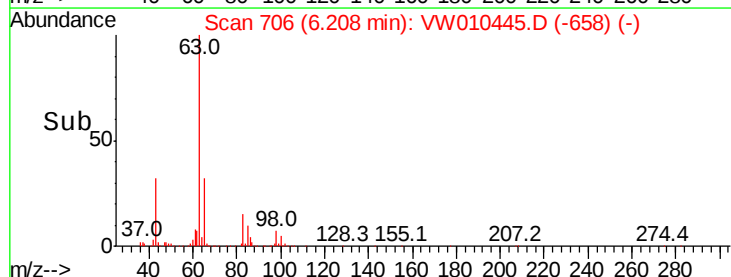
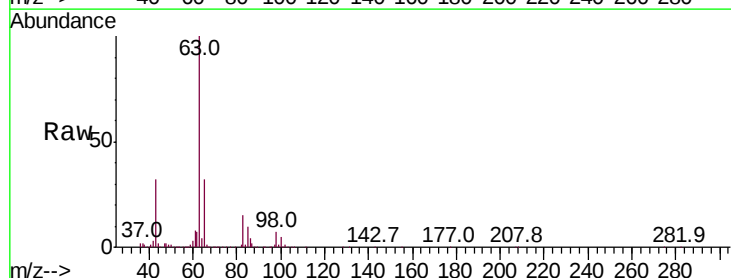
Tgt Ion: 63 Resp: 715484

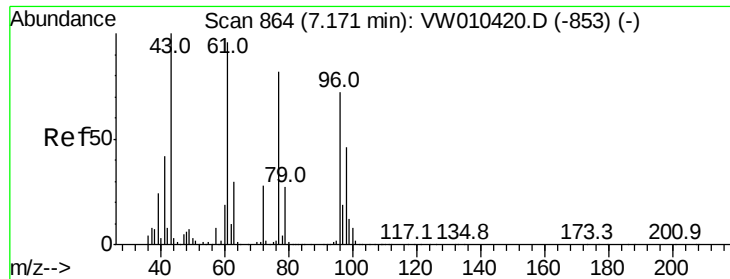
Ion Ratio Lower Upper

63 100

98 7.3 4.0 12.0

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 319.782 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 722437

Ion Ratio Lower Upper

43 100

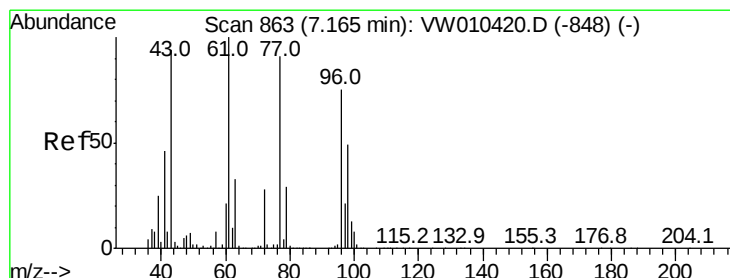
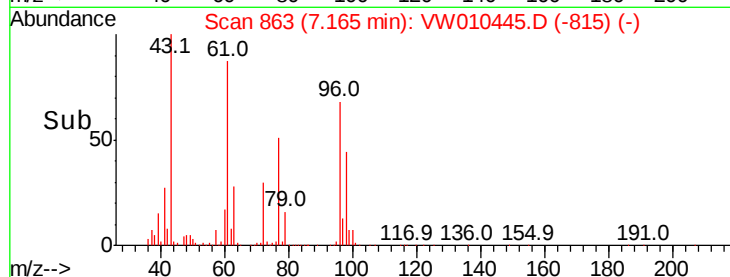
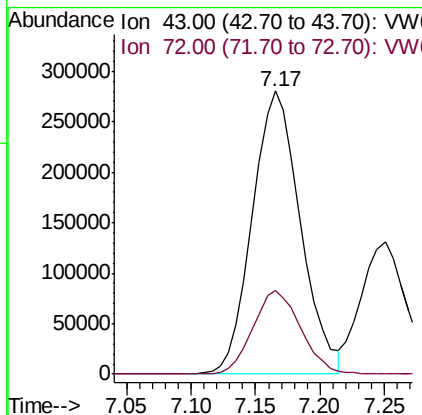
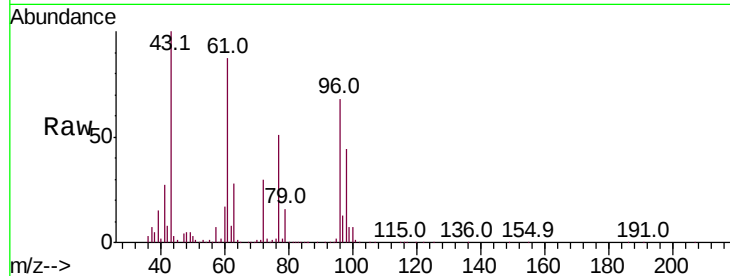
72 29.7 22.6 33.8

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#26

2,2-Dichloropropane

Concen: 34.930 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010445.D

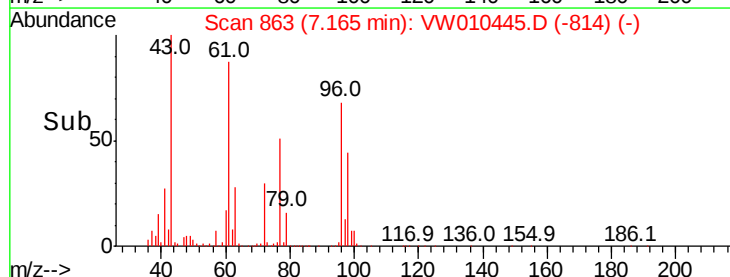
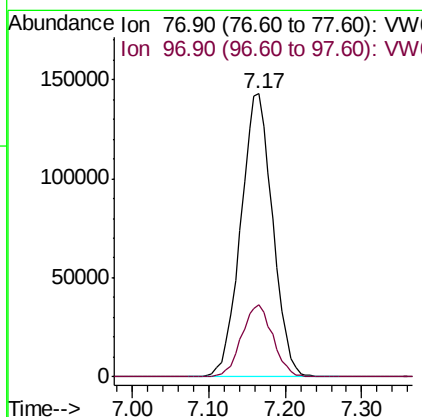
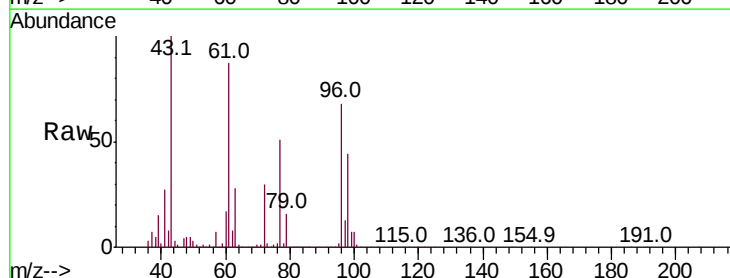
Acq: 18 May 2019 08:08

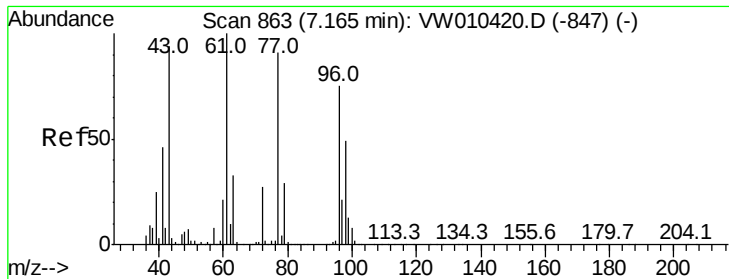
Tgt Ion: 77 Resp: 413340

Ion Ratio Lower Upper

77 100

97 25.0 11.7 35.1





#27

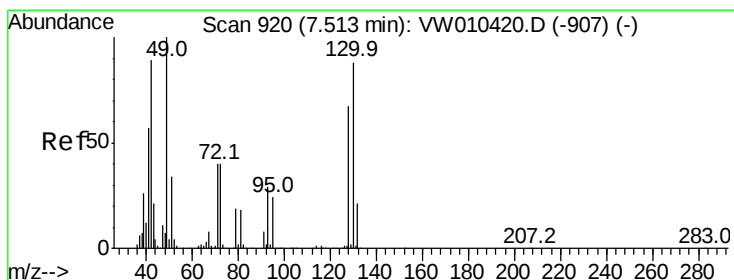
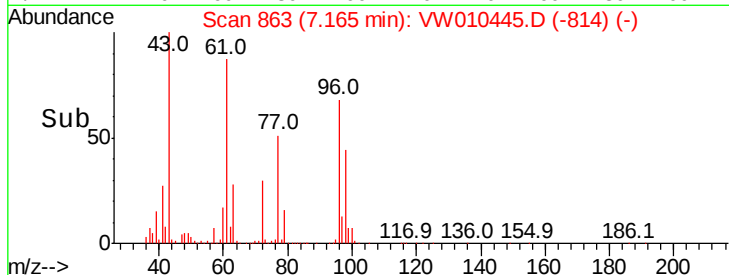
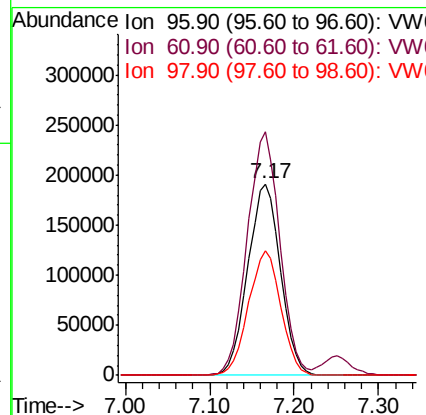
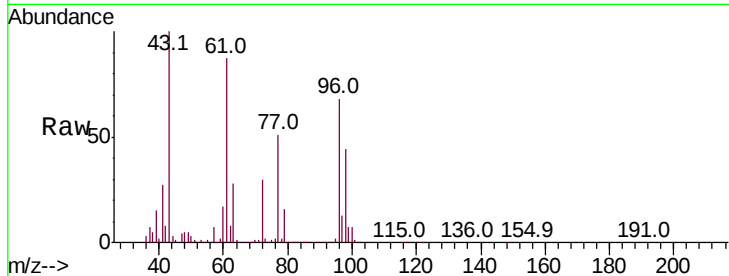
cis-1,2-Dichloroethene
Concen: 56.315 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	127.2	0.0	266.4	
98	64.6	0.0	129.6	

Manual Integrations
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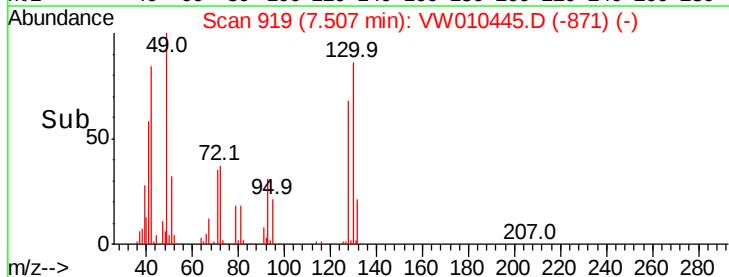
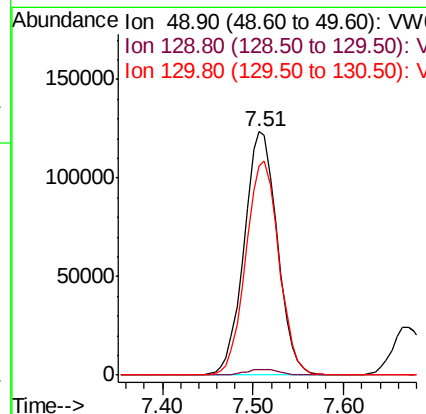
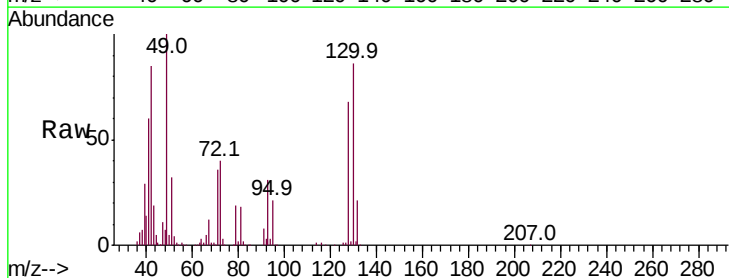
MMDadoda
5/20/2019 12:15:10 PM

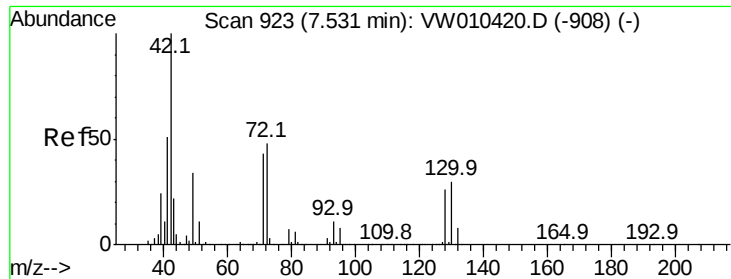


#28

Bromochloromethane
Concen: 63.610 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.6	
130	87.6	68.2	102.4	





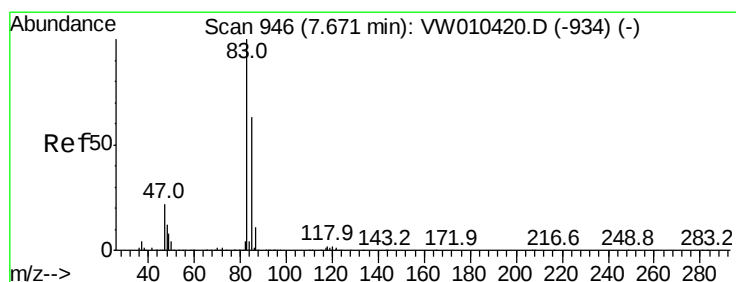
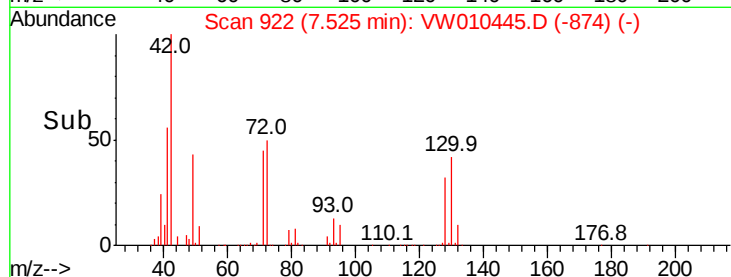
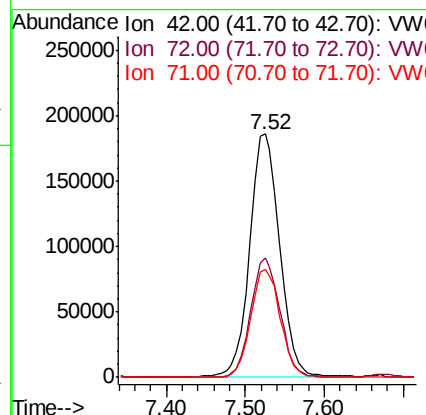
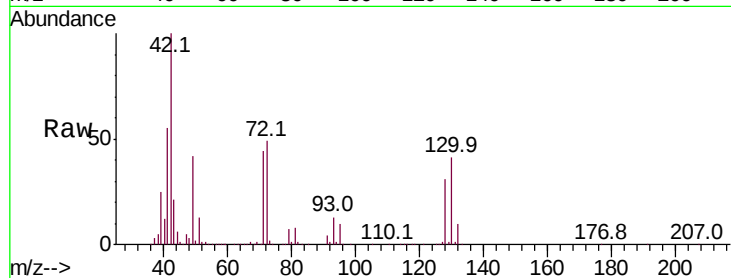
#29
Tetrahydrofuran
Concen: 320.045 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	38.2	57.2
71	44.3	36.0	54.0

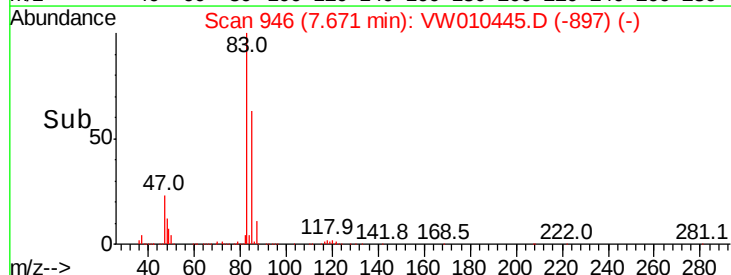
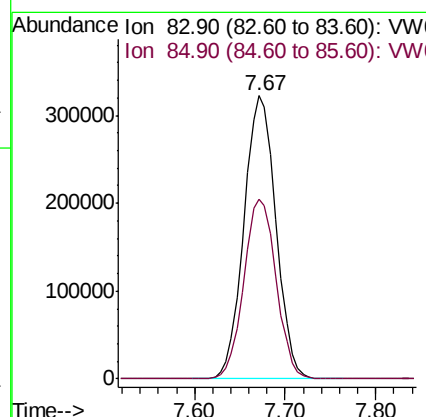
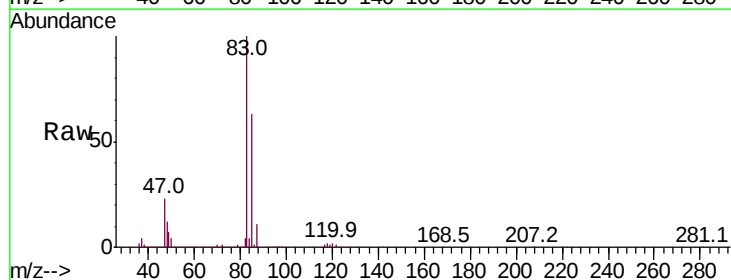
Manual Integrations
APPROVED

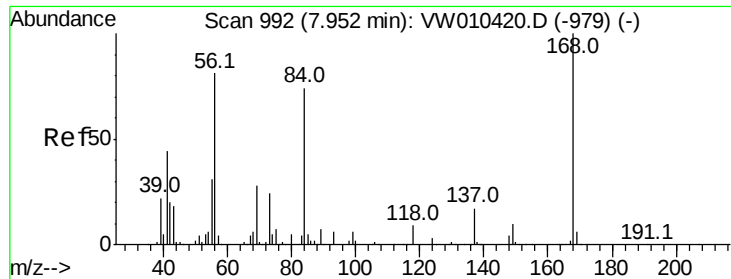
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5/20/2019 12:15:10 PM



#30
Chloroform
Concen: 56.900 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.8	76.2





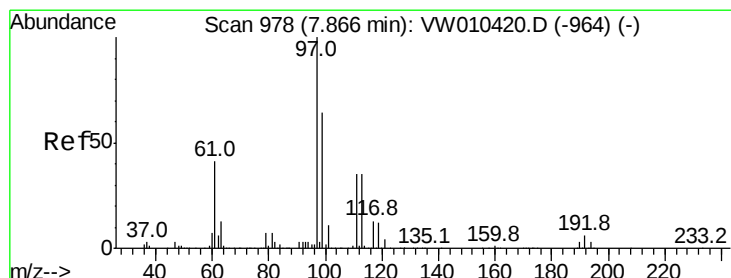
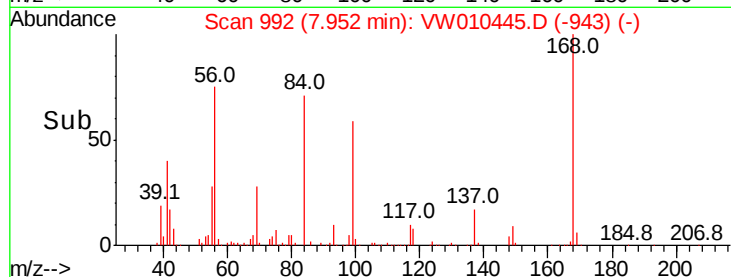
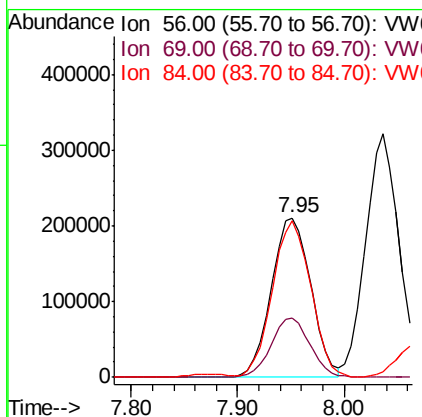
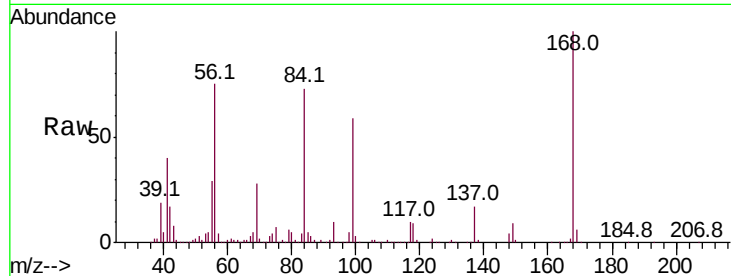
#31
Cyclohexane
Concen: 46.425 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	27.6	41.4
84	96.9	72.9	109.3

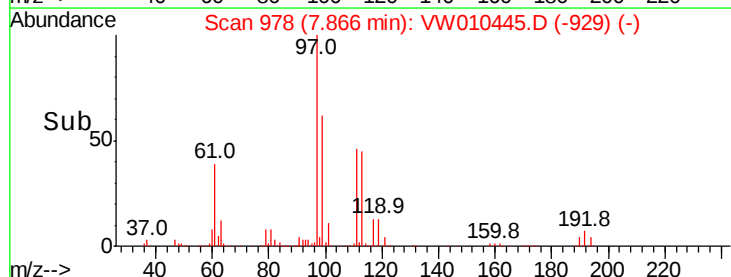
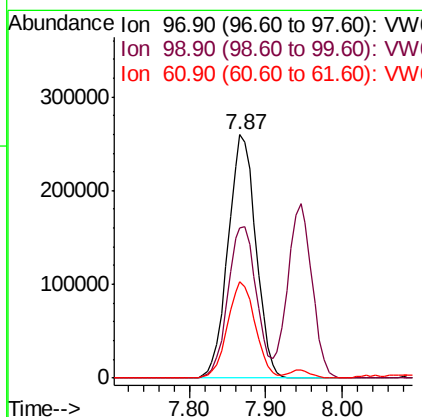
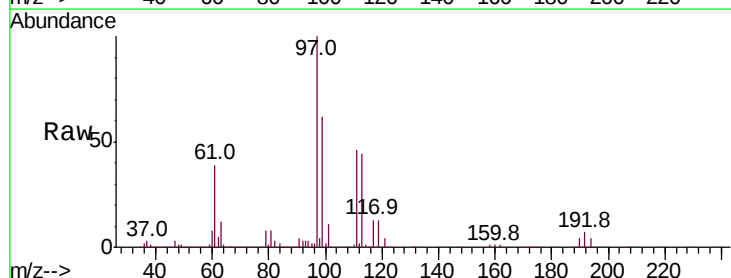
Manual Integrations
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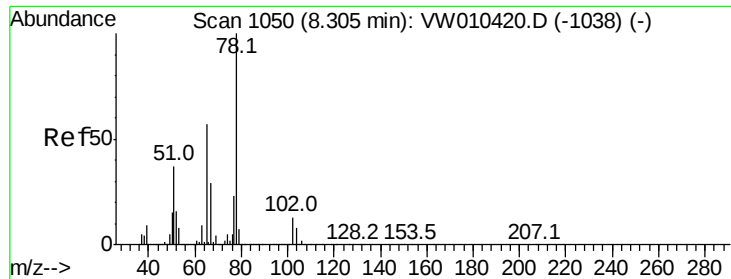
MMDadoda
5/20/2019 12:15:10 PM



#32
1,1,1-Trichloroethane
Concen: 50.161 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.6	32.0	48.0





#33

1,2-Dichloroethane-d4

Concen: 59.438 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 447190

Ion Ratio Lower Upper

65 100

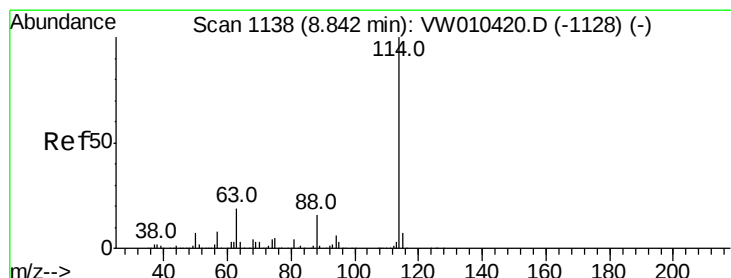
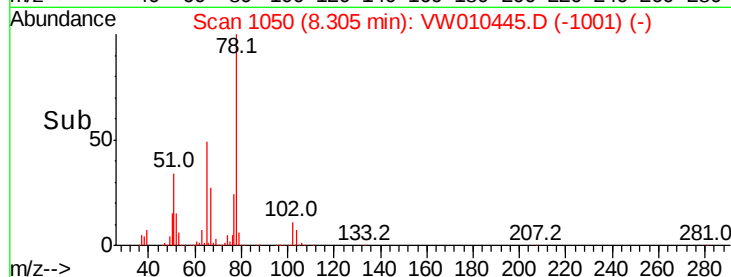
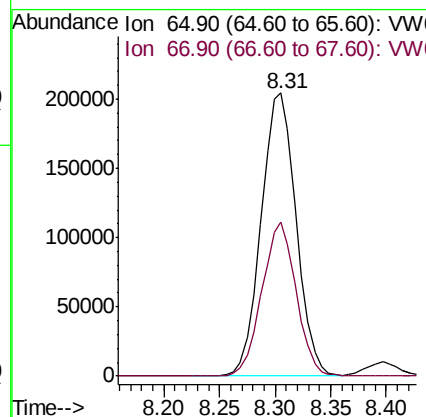
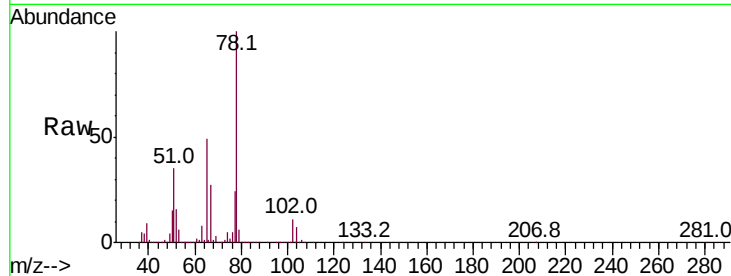
67 53.1 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

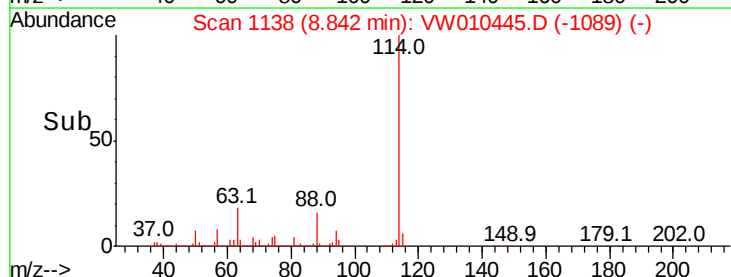
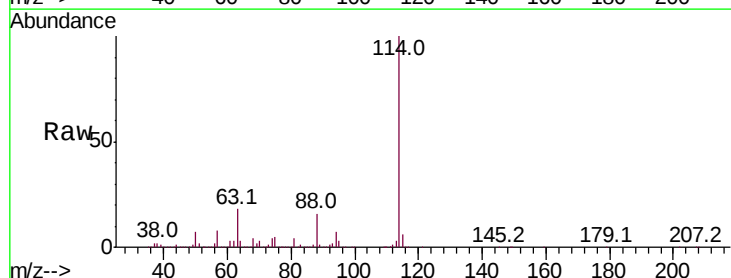
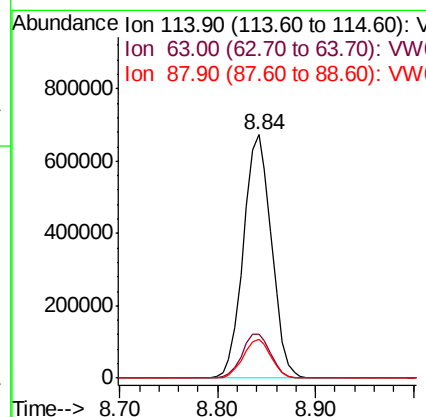
Tgt Ion: 114 Resp: 1337834

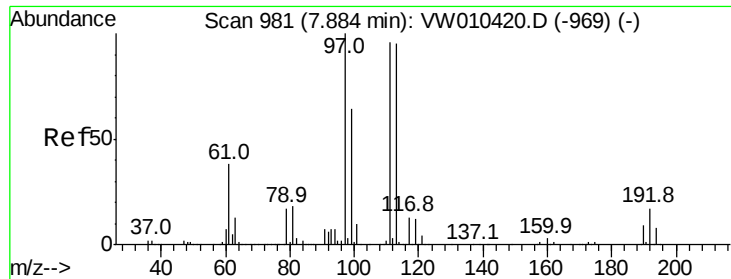
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.8

88 15.9 0.0 31.6





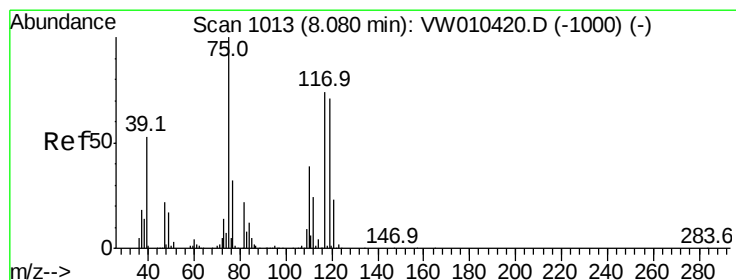
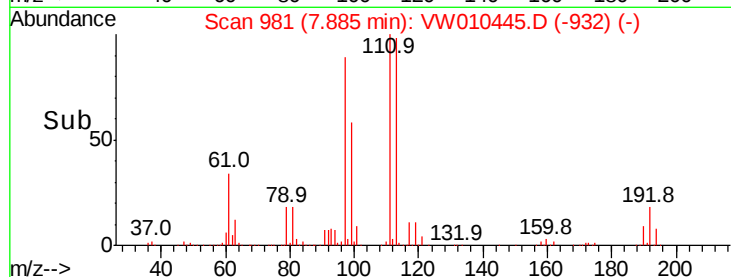
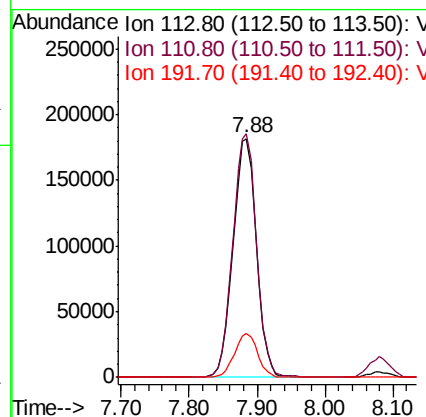
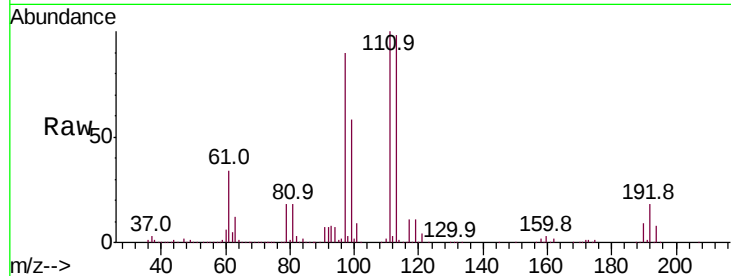
#35
 Dibromofluoromethane
 Concen: 52.418 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.5	123.7	
192	18.2	14.2	21.4	

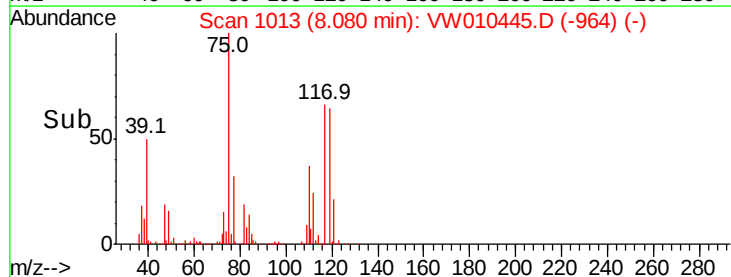
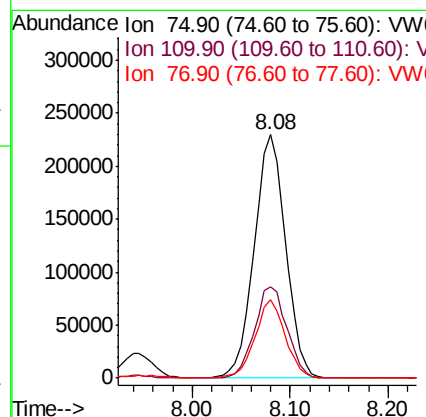
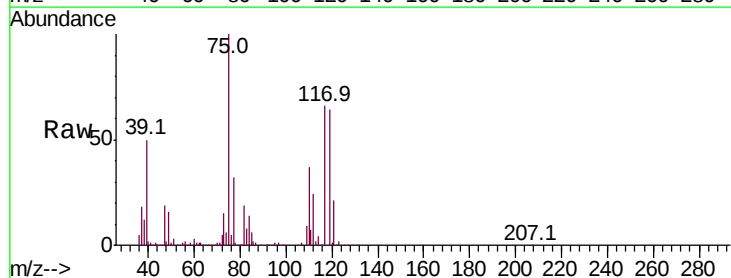
Manual Integrations
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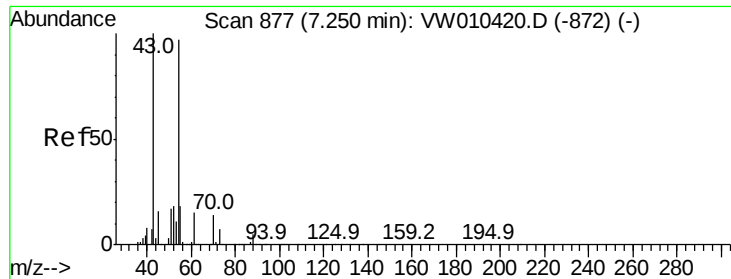
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#36
 1,1-Dichloropropene
 Concen: 43.343 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.3	19.4	58.1	
77	30.8	24.7	37.1	





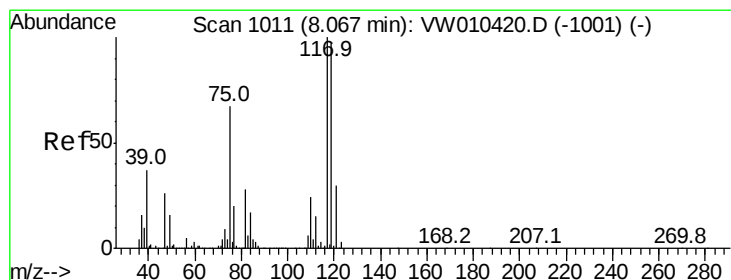
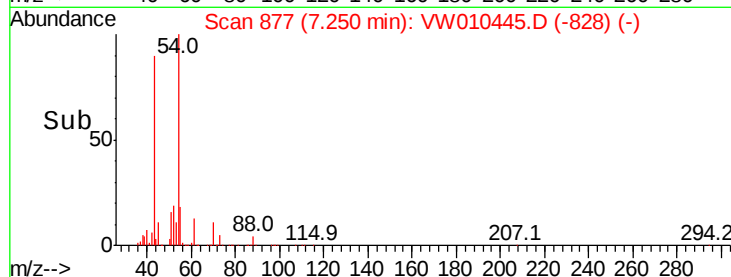
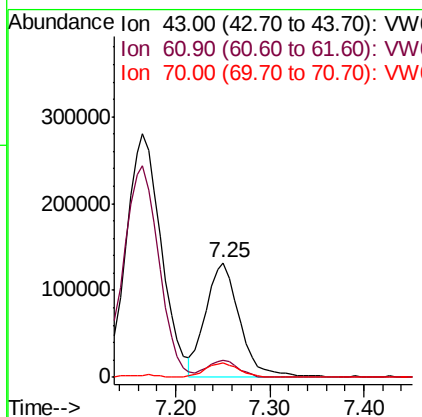
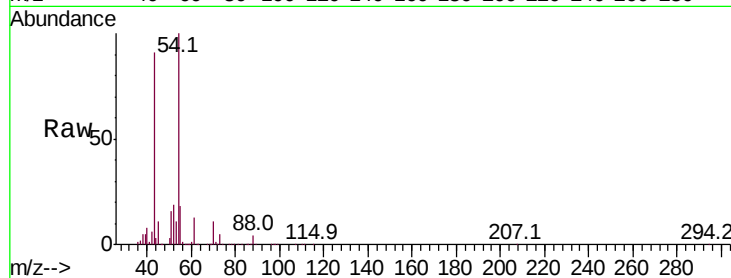
#37
Ethyl Acetate
Concen: 56.924 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.8	17.6
70	12.1	9.4	14.0

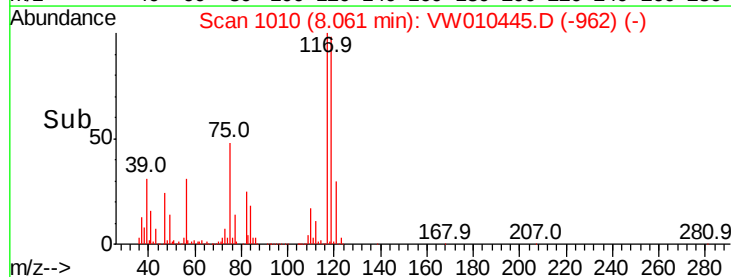
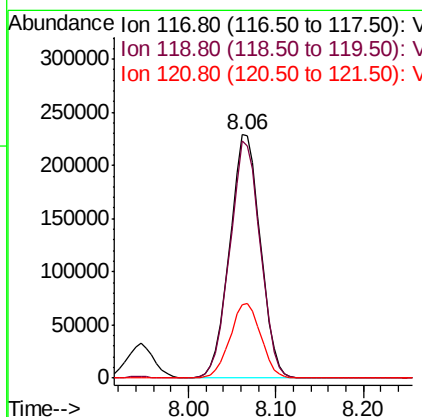
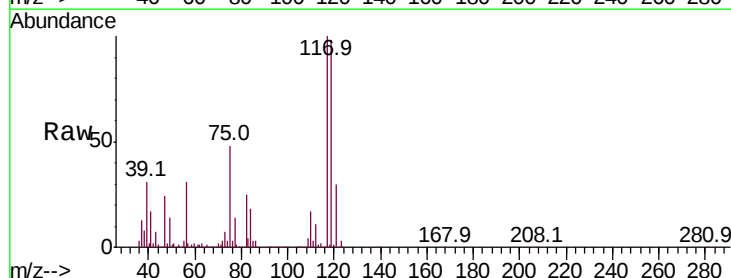
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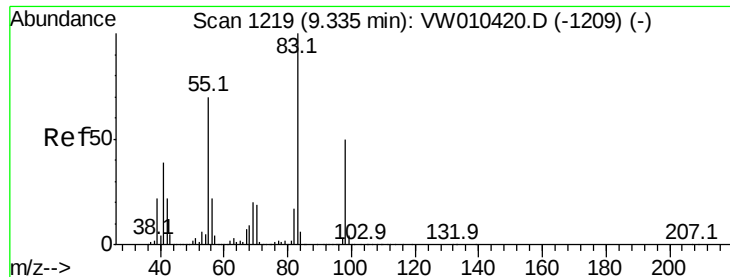
MMDadoda
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#38
Carbon Tetrachloride
Concen: 43.693 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.6
121	30.2	24.2	36.2





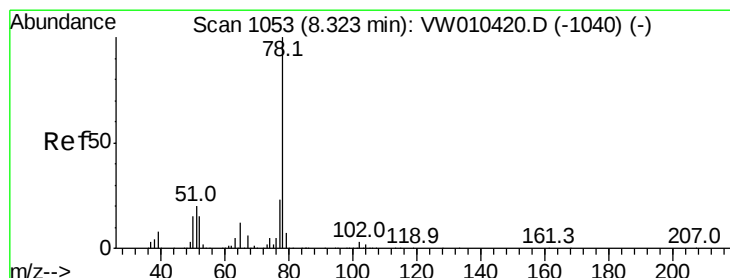
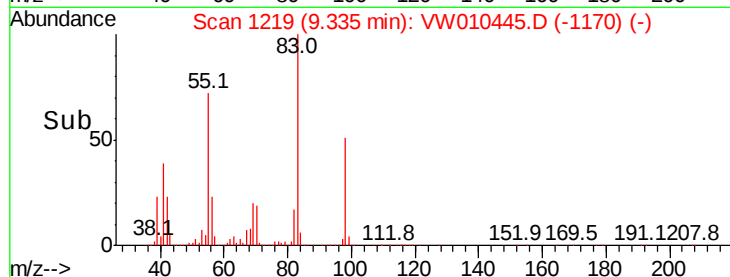
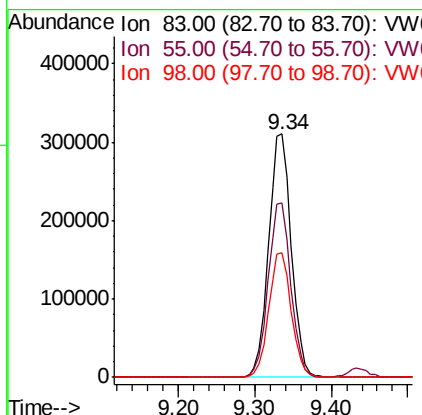
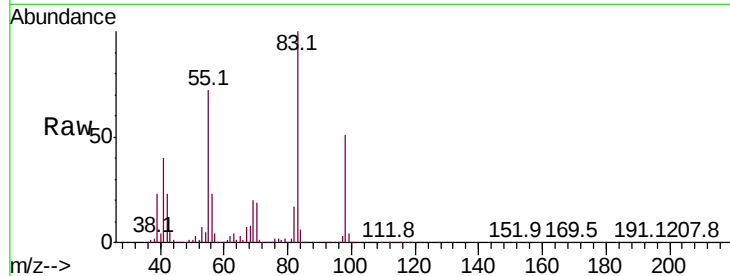
#39
Methvlcvclohexane
Concen: 40.495 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	640488
Ion Ratio	100	Lower	Upper
83	100		
55	71.5	55.7	83.5
98	51.3	40.2	60.4

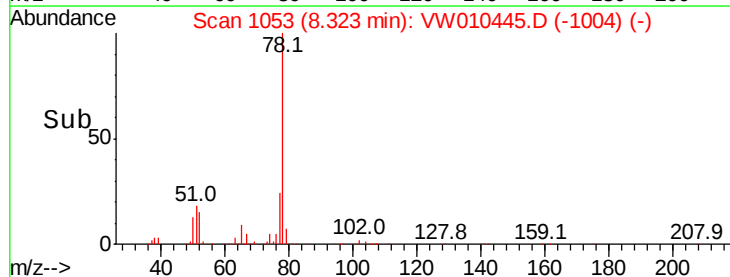
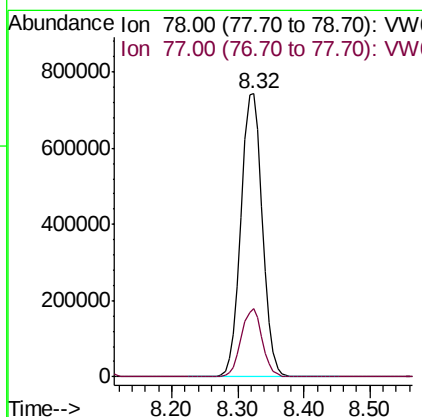
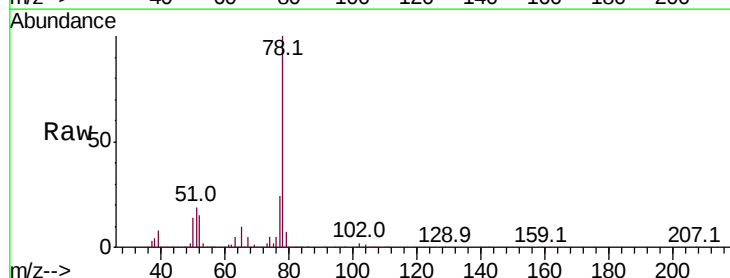
Manual Integrations
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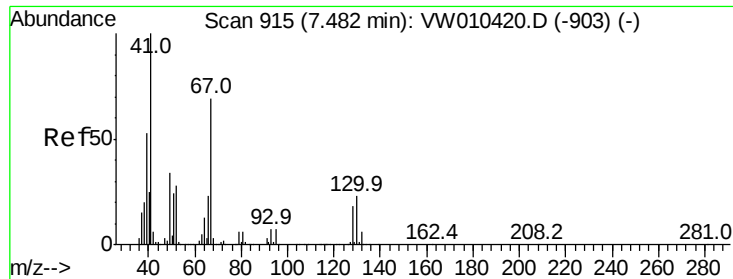
MMDadoda
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#40
Benzene
Concen: 49.409 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	78	Resp	1670097
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	18.7	28.1





#41

Methacrylonitrile

Concen: 52.496 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

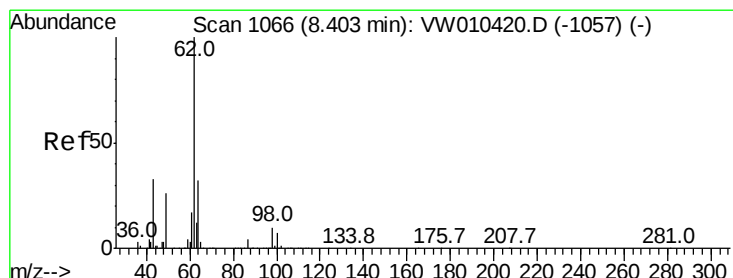
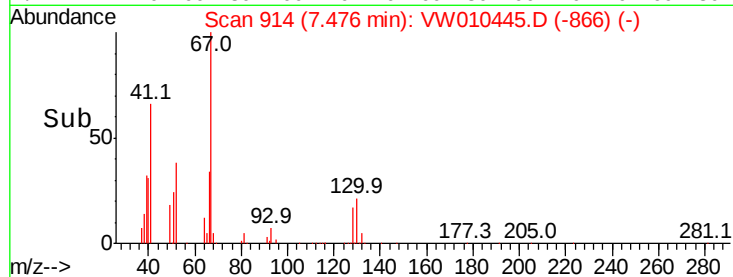
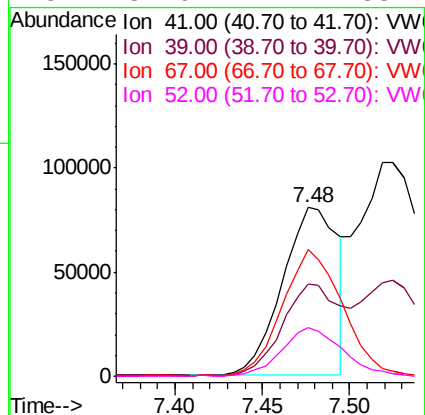
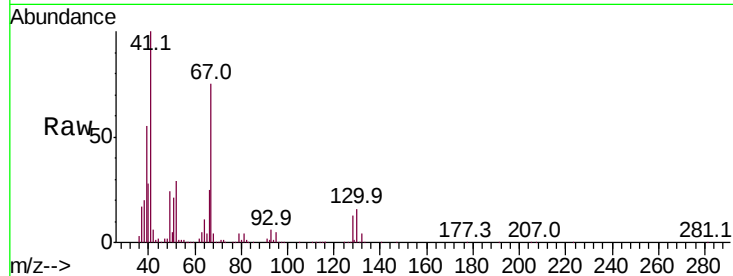
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	38.1	57.1#
67	82.2	55.5	83.3
52	31.6	22.1	33.1

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.728 ug/l

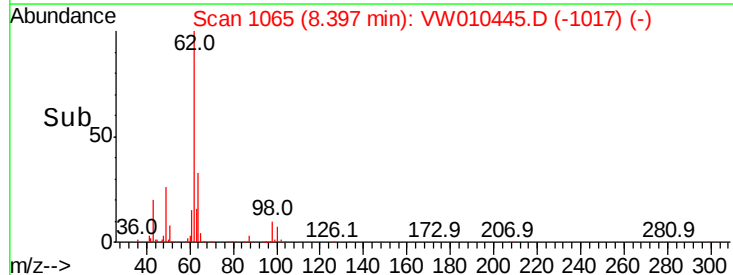
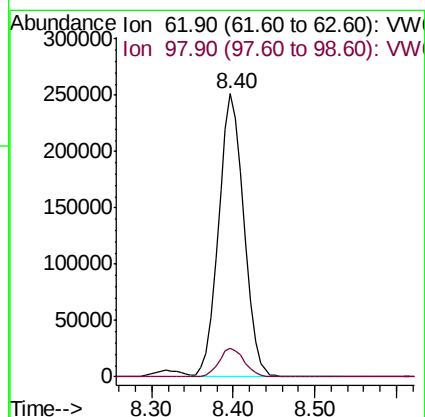
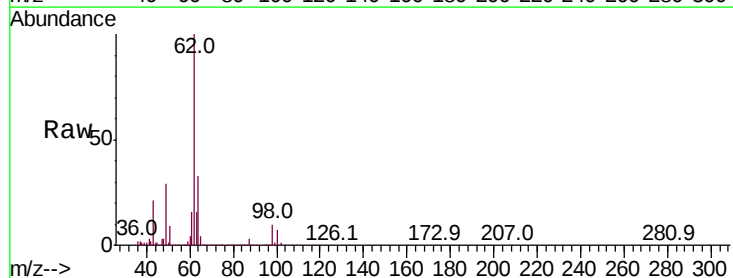
RT: 8.40 min Scan# 1065

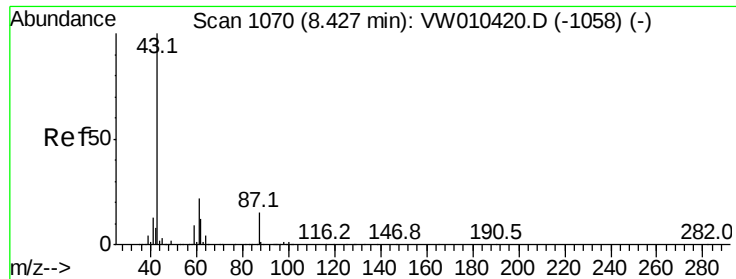
Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 55.068 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

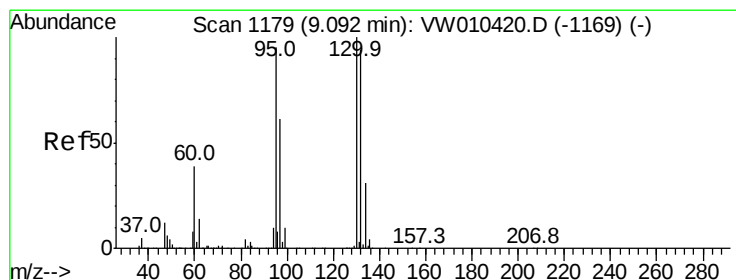
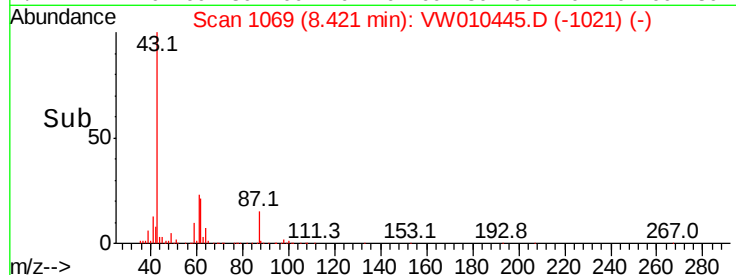
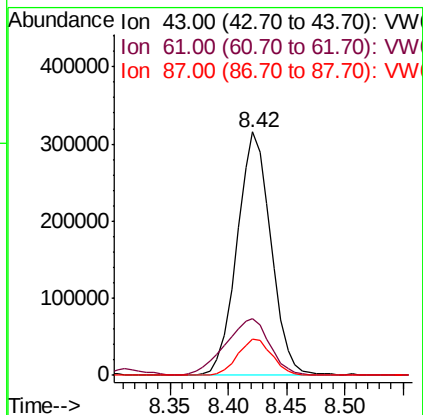
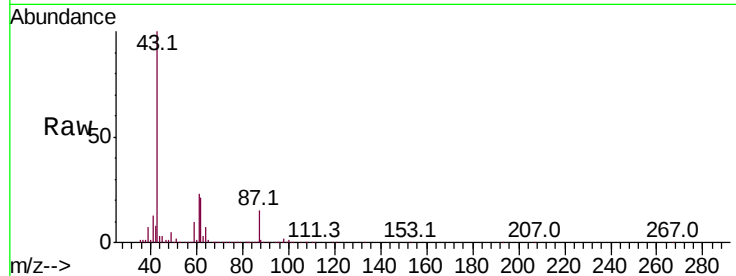
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	637265
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.4	36.6
87	15.2	11.8	17.8

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#44

Trichloroethene

Concen: 49.231 ug/l

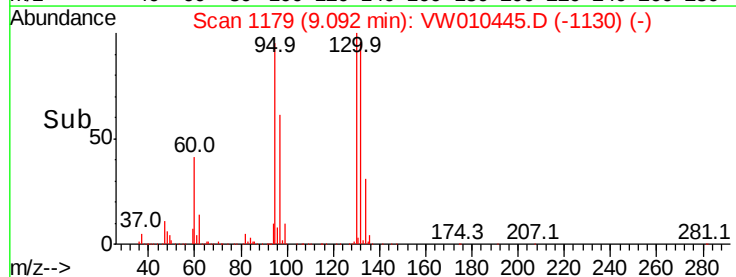
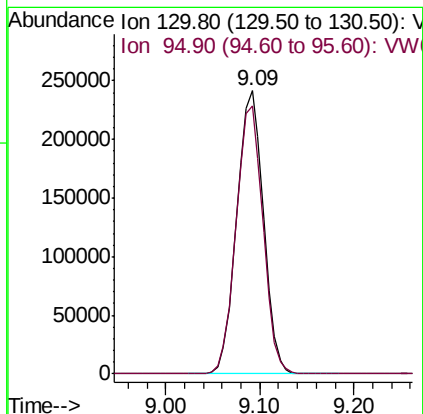
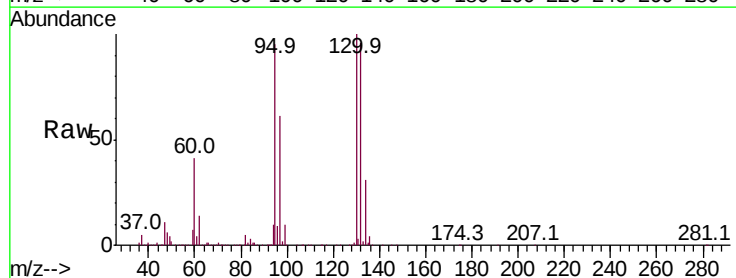
RT: 9.09 min Scan# 1179

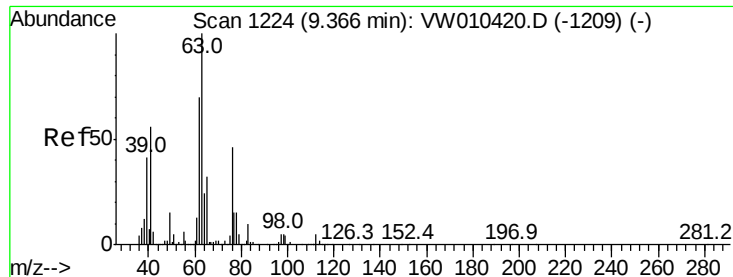
Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion	130	Resp	476767
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	190.4





#45

1,2-Dichloropropane

Concen: 52.173 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 431701

Ion Ratio Lower Upper

63 100

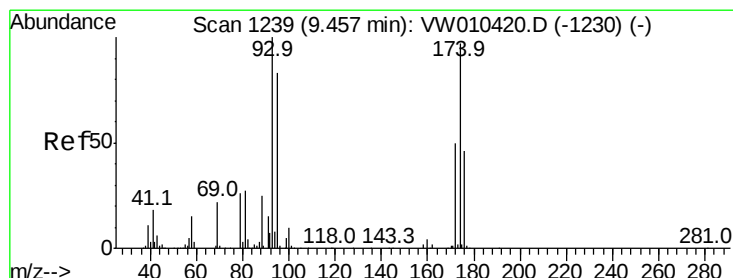
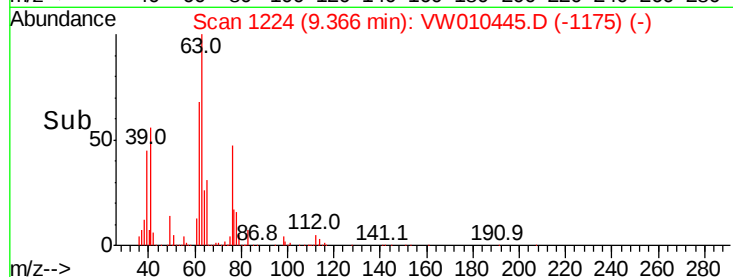
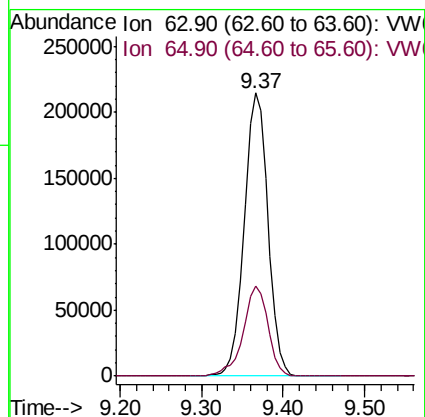
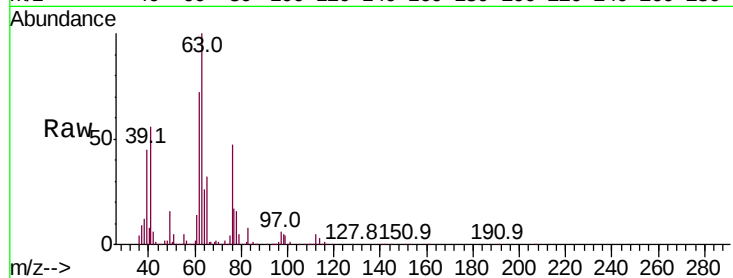
65 31.6 25.4 38.2

Manual Integrations

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#46

Dibromomethane

Concen: 54.793 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

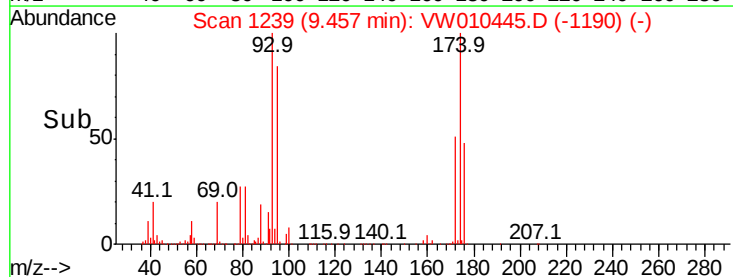
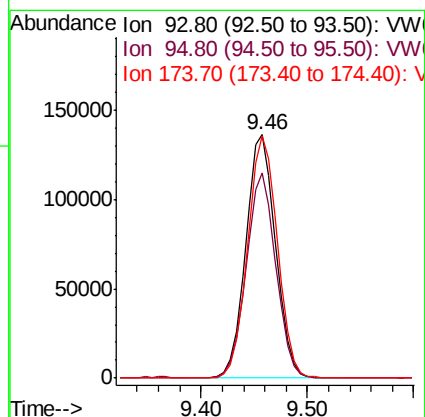
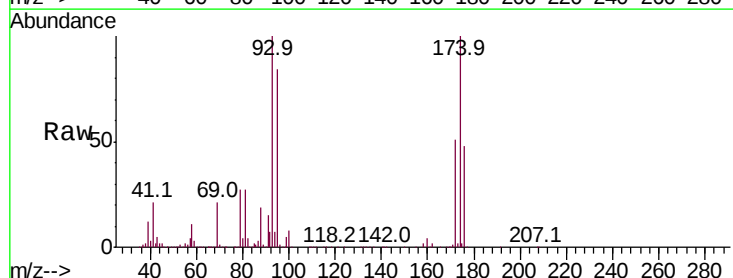
Tgt Ion: 93 Resp: 267821

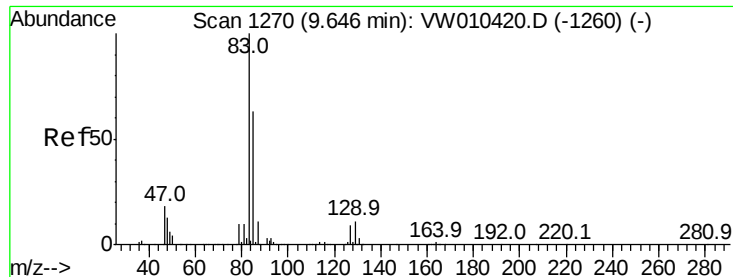
Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 99.7 76.4 114.6





#47

Bromodichloromethane

Concen: 53.081 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

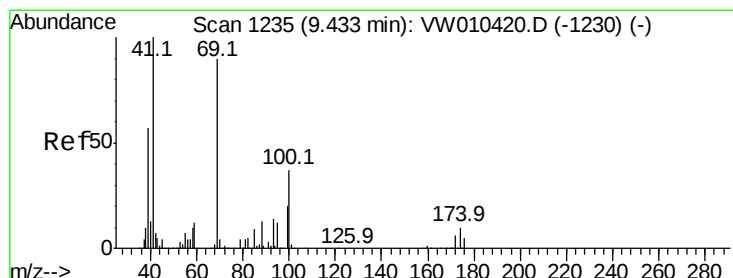
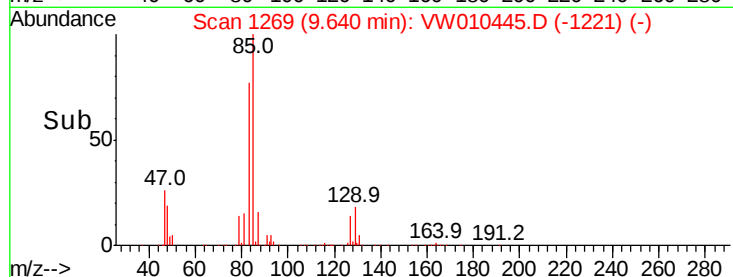
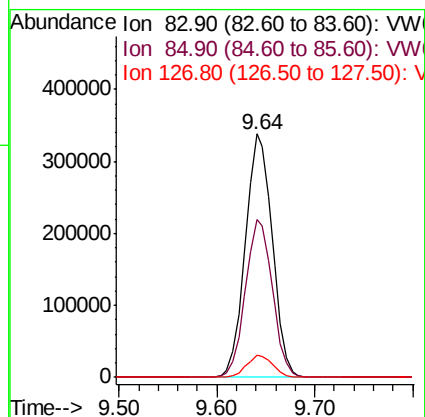
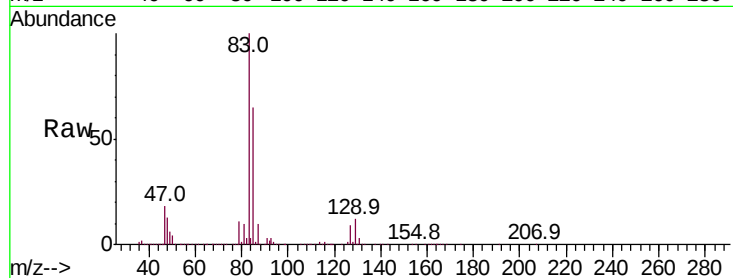
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	644726
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.0	75.0
127	8.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.798 ug/l

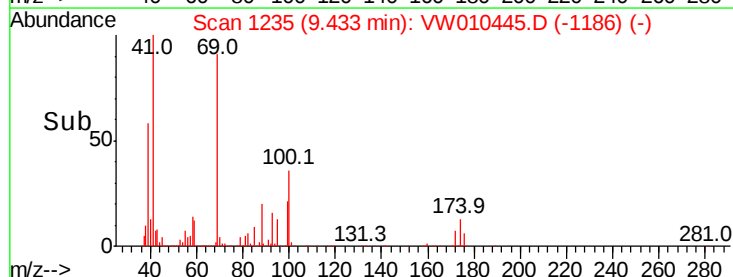
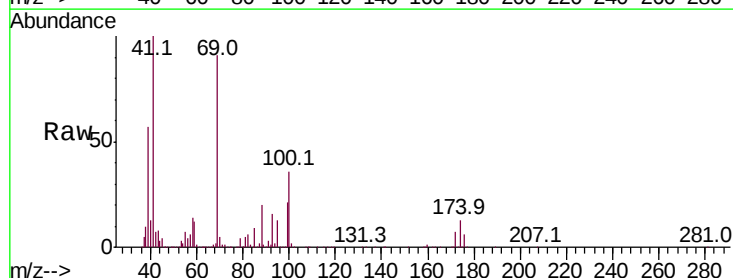
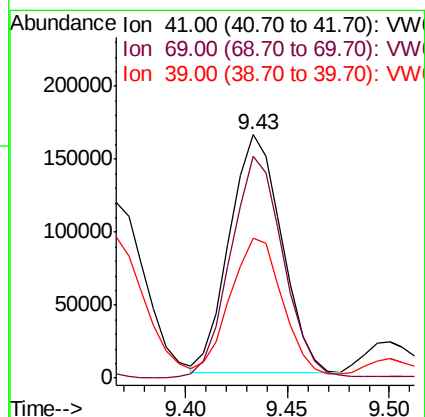
RT: 9.43 min Scan# 1235

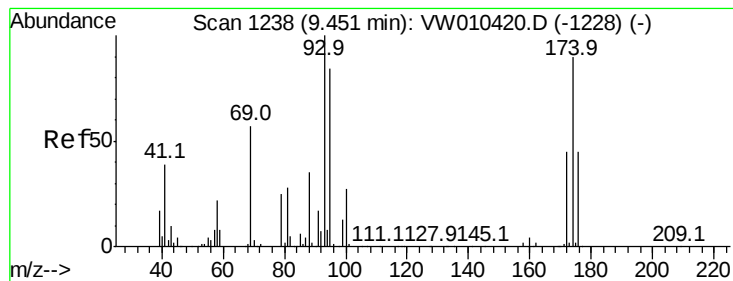
Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion:	41	Resp:	286873
Ion Ratio	Lower	Upper	
41	100		
69	95.4	75.2	112.8
39	60.7	46.8	70.2





#49

1,4-Dioxane

Concen: 1238.761 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

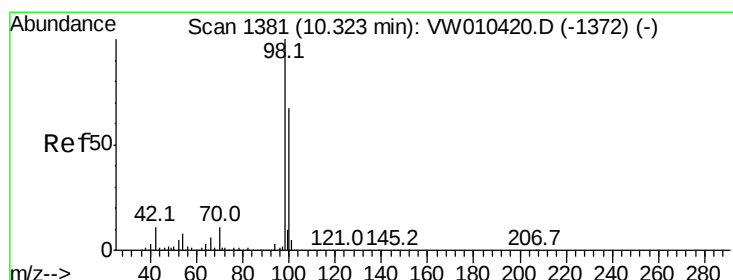
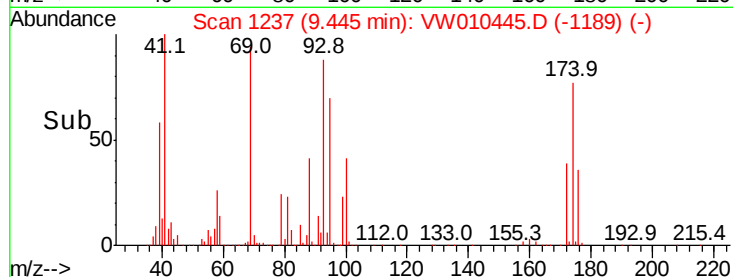
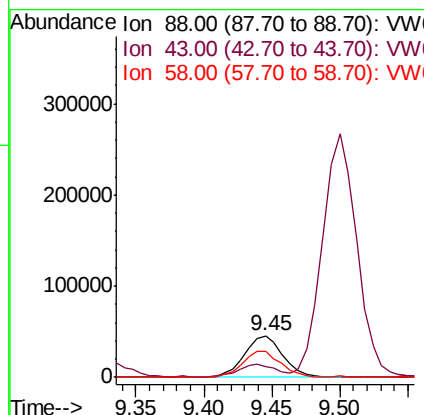
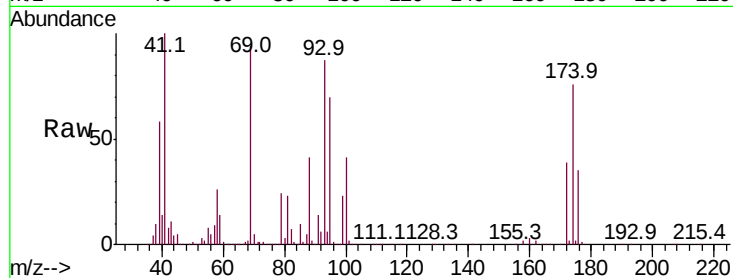
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	89610
Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.9	37.3
58	63.7	55.0	82.6

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#50

Toluene-d8

Concen: 50.475 ug/l

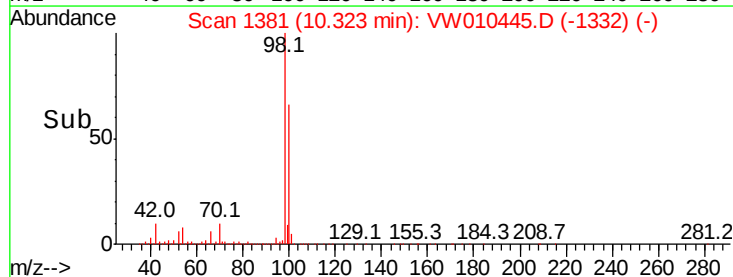
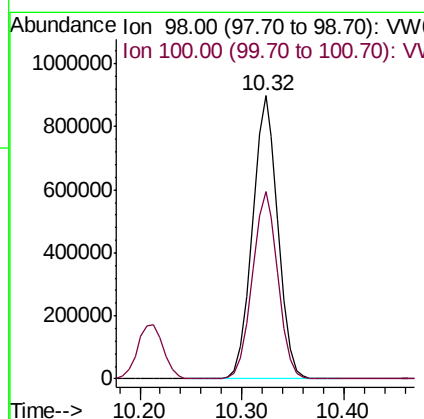
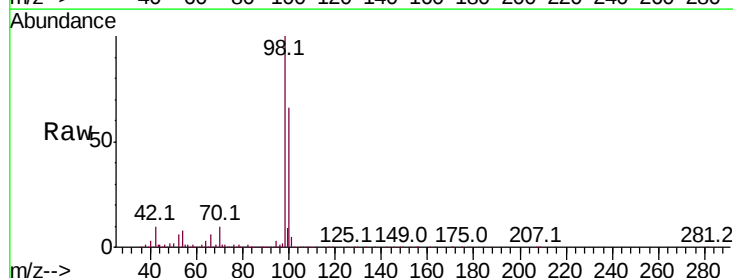
RT: 10.32 min Scan# 1381

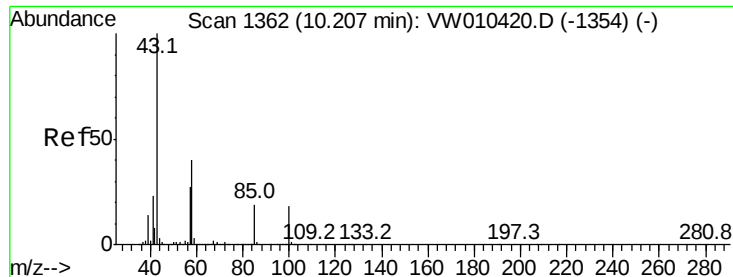
Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion:	98	Resp:	1555301
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 280.223 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1658775

Ion Ratio Lower Upper

43 100

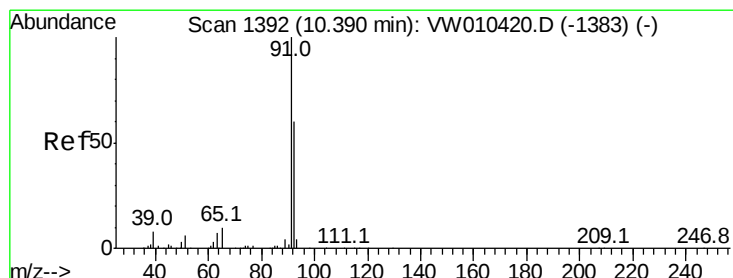
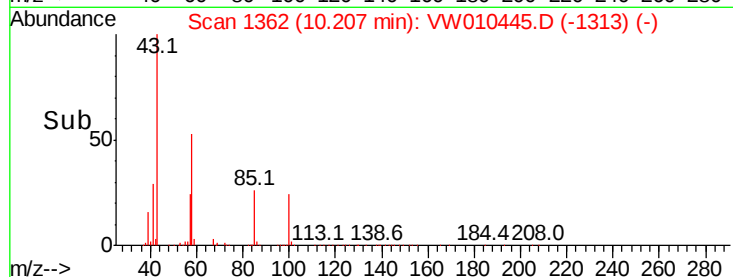
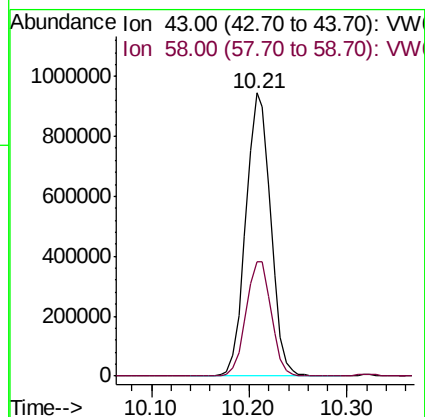
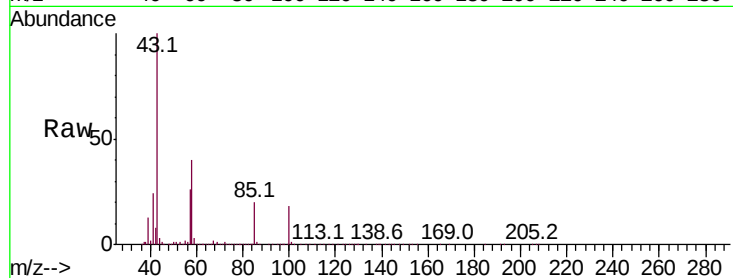
58 41.2 32.7 49.1

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#52

Toluene

Concen: 48.702 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010445.D

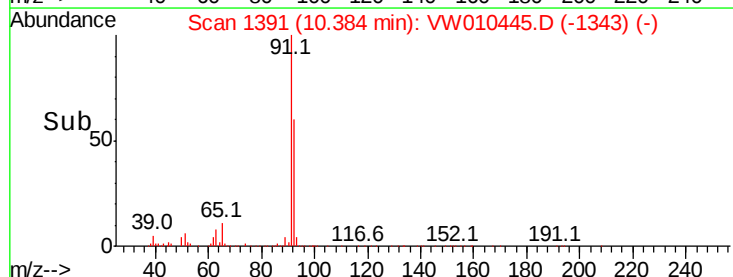
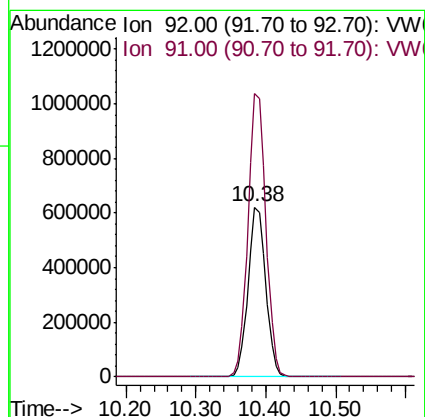
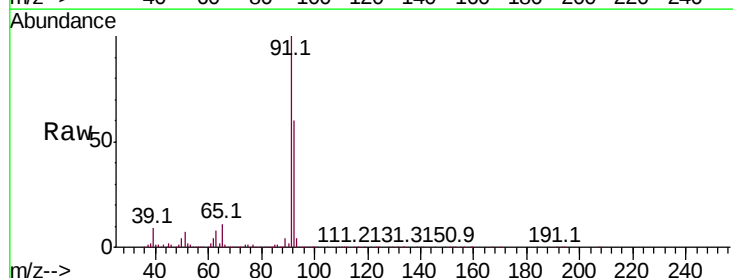
Acq: 18 May 2019 08:08

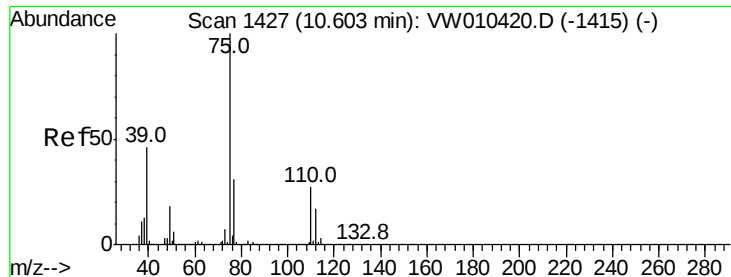
Tgt Ion: 92 Resp: 1093327

Ion Ratio Lower Upper

92 100

91 168.8 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 49.020 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 614055

Ion Ratio Lower Upper

75 100

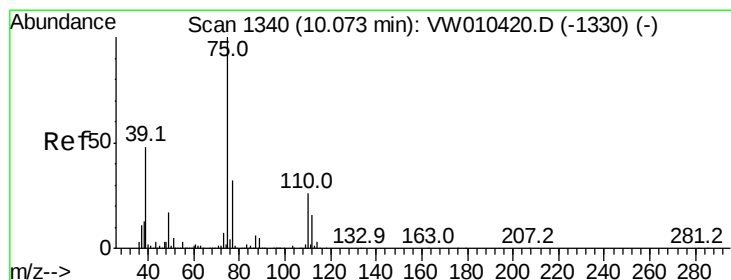
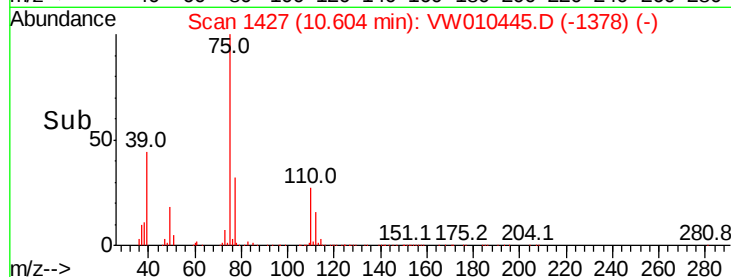
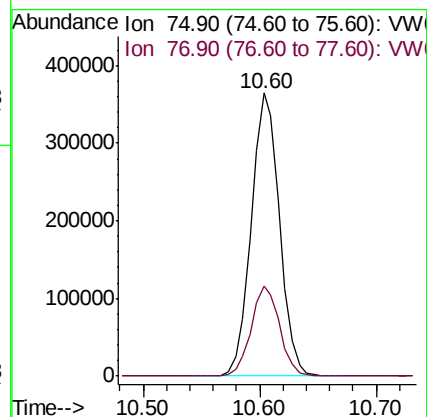
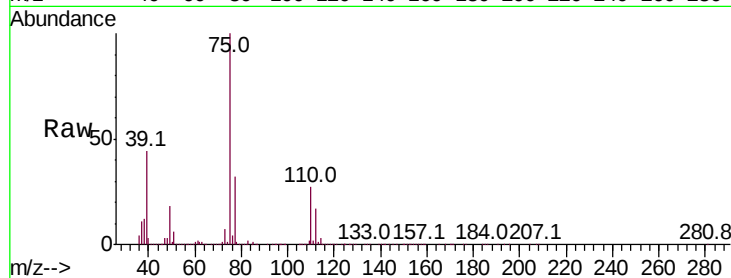
77 31.6 24.6 37.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.139 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

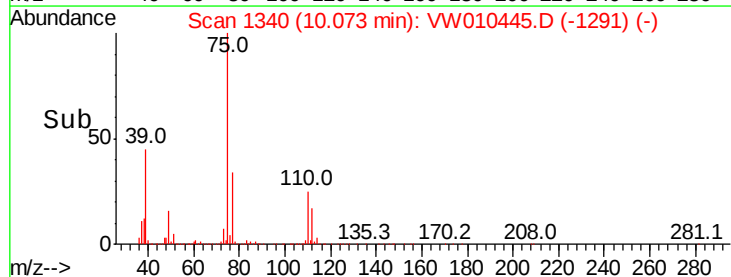
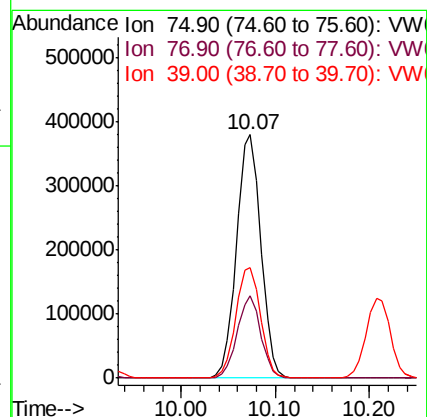
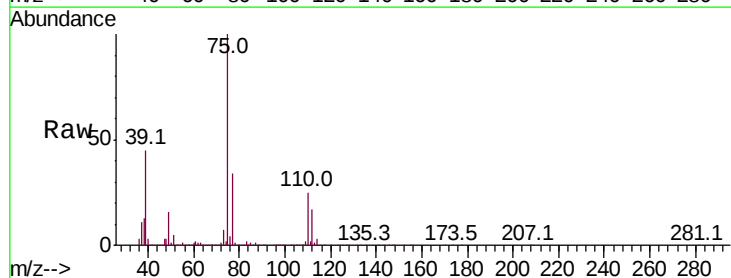
Tgt Ion: 75 Resp: 683655

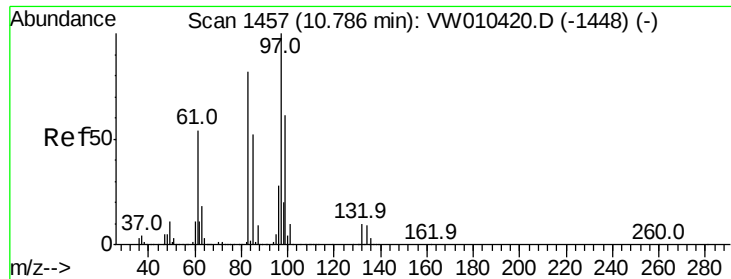
Ion Ratio Lower Upper

75 100

77 33.5 25.2 37.8

39 45.4 38.1 57.1





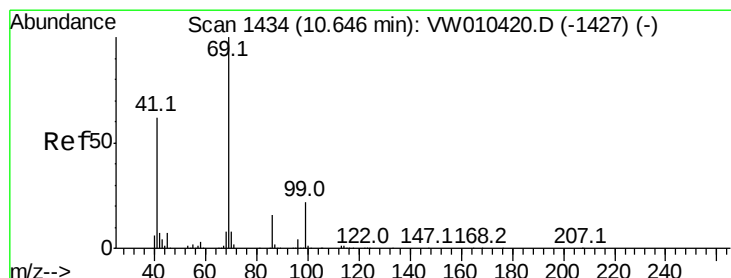
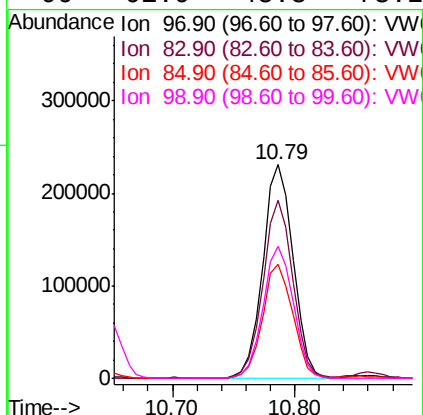
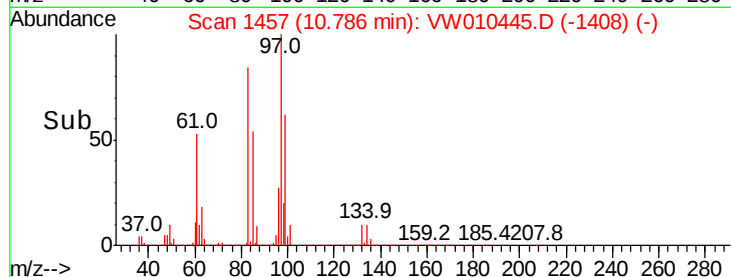
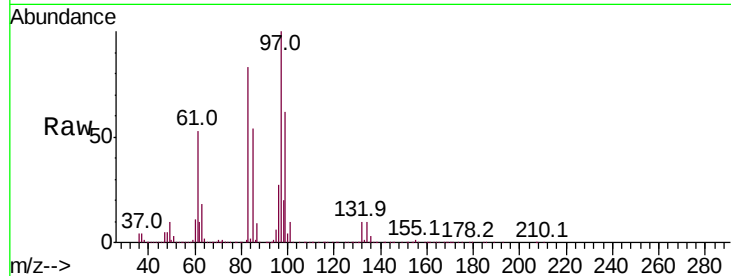
#55
 1,1,2-Trichloroethane
 Concen: 56.106 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		395676		
83	83.5	65.6		98.4	
85	53.5	41.6		62.4	
99	61.9	48.8		73.2	

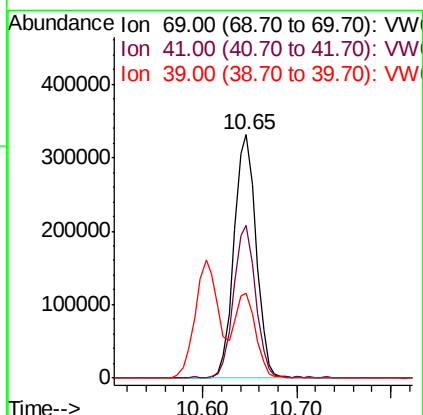
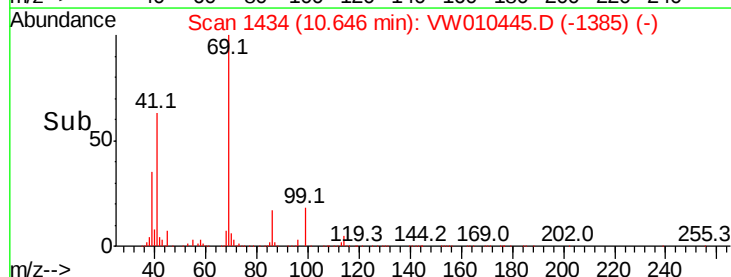
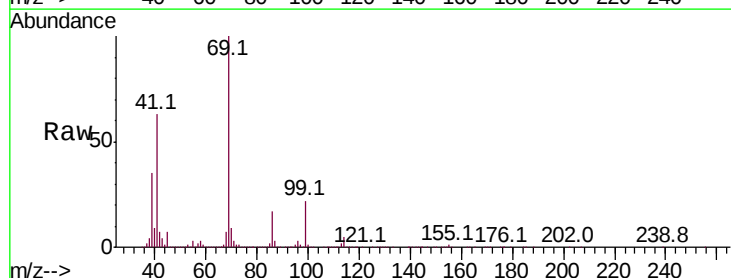
Manual Integrations
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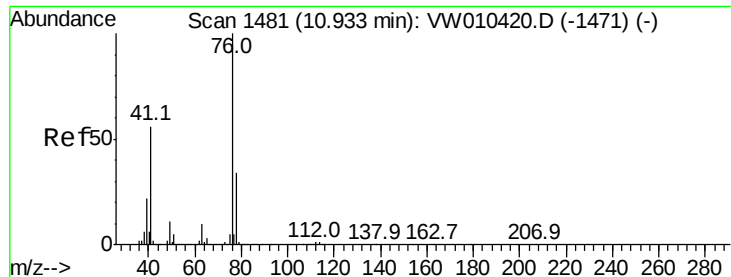
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 5/20/2019 12:15:10 PM



#56
 Ethyl methacrylate
 Concen: 54.846 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		539721		
41	62.8	50.0		75.0	
39	32.0	26.5		39.7	





#57

1,3-Dichloropropane

Concen: 55.300 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 653775

Ion Ratio Lower Upper

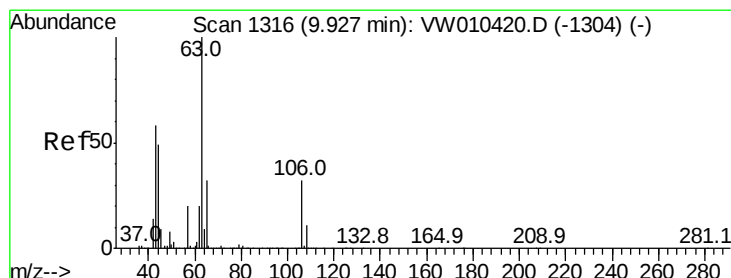
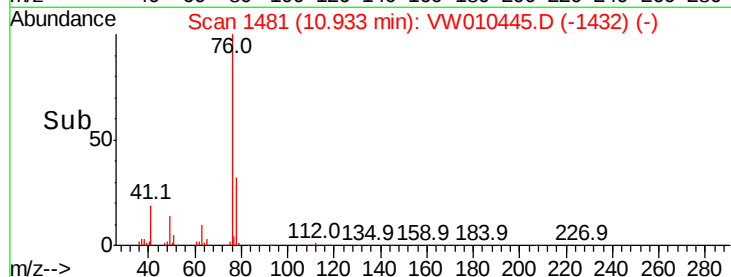
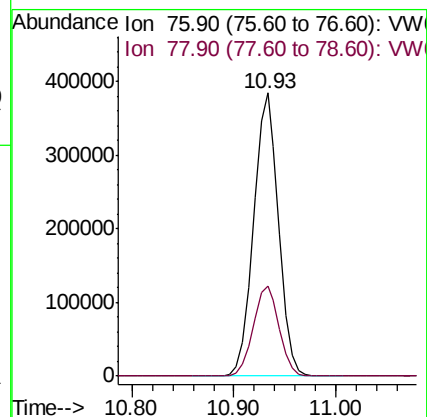
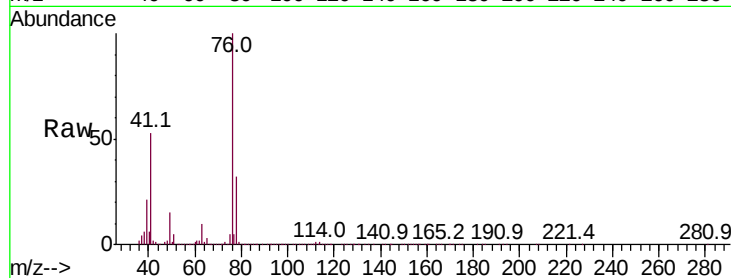
76 100

78 32.8 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 274.534 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW010445.D

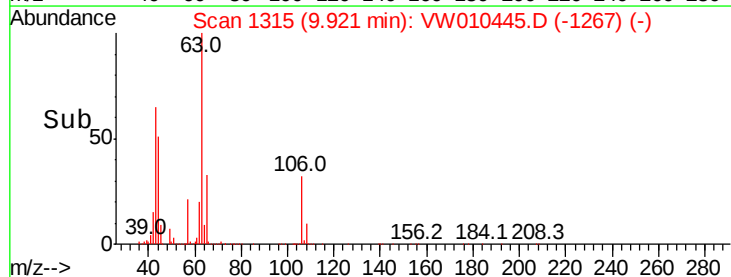
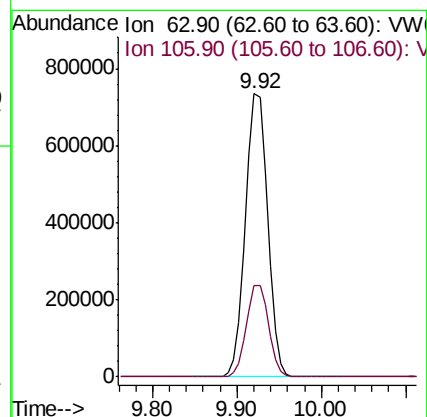
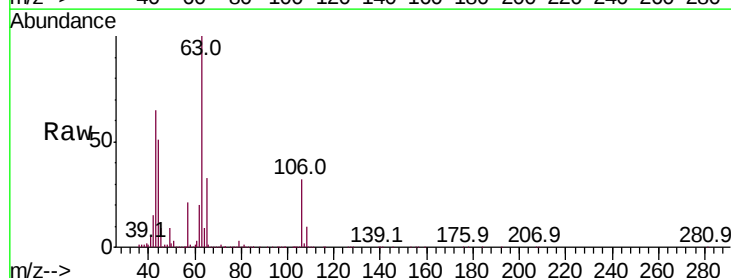
Acq: 18 May 2019 08:08

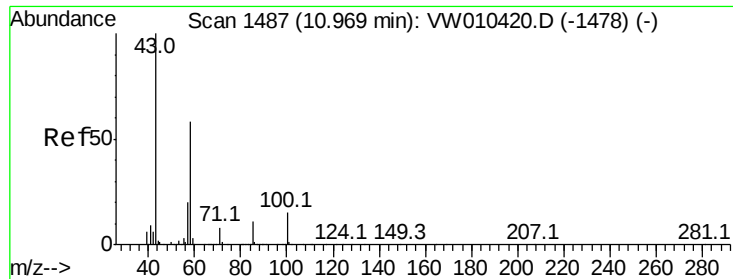
Tgt Ion: 63 Resp: 1298095

Ion Ratio Lower Upper

63 100

106 32.2 25.2 37.8





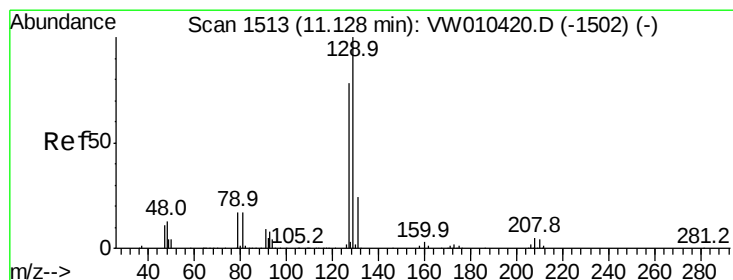
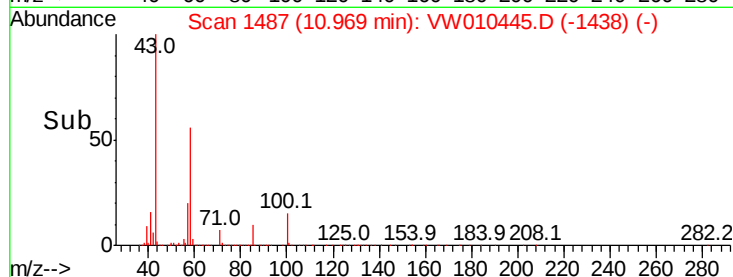
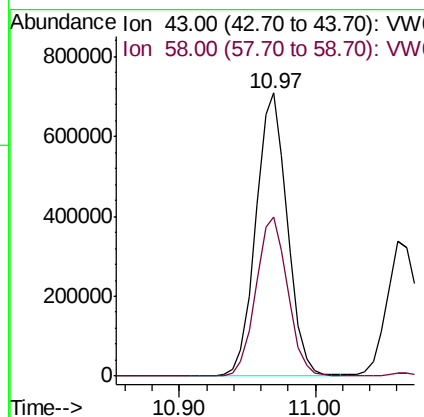
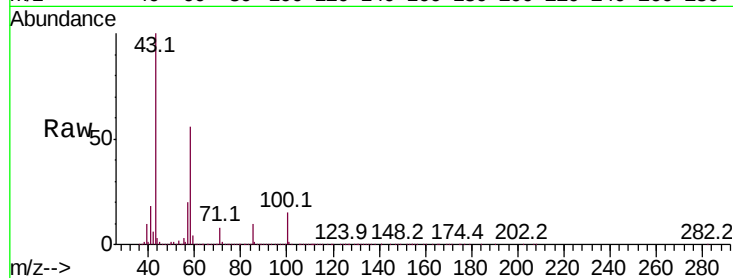
#59
2-Hexanone
Concen: 277.797 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1145064
Ion Ratio Lower Upper
43 100
58 56.9 28.5 85.6

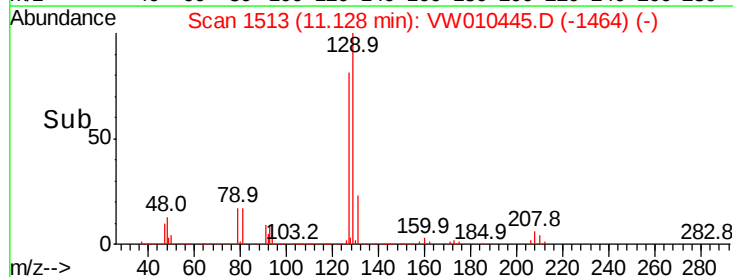
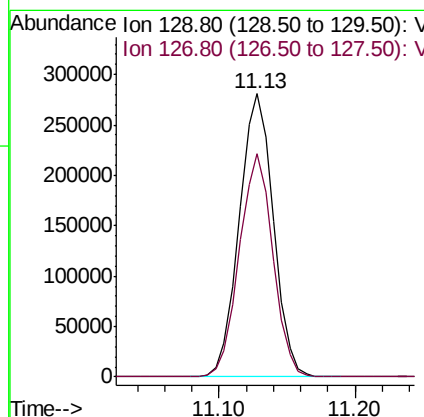
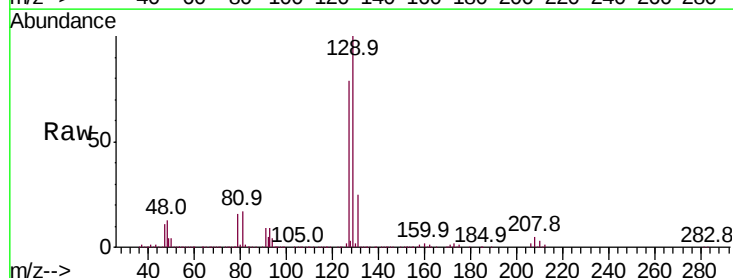
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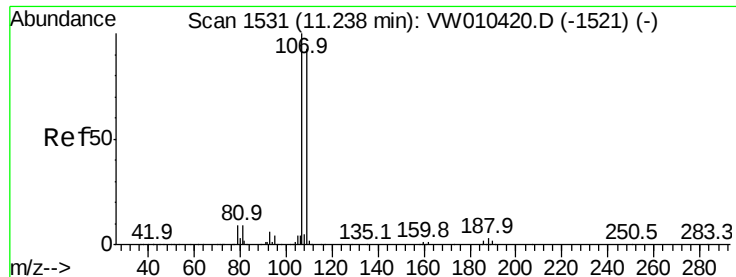
MMDadoda
5/20/2019 12:15:10 PM



#60
Dibromochloromethane
Concen: 55.961 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion: 129 Resp: 489733
Ion Ratio Lower Upper
129 100
127 77.6 39.0 116.9





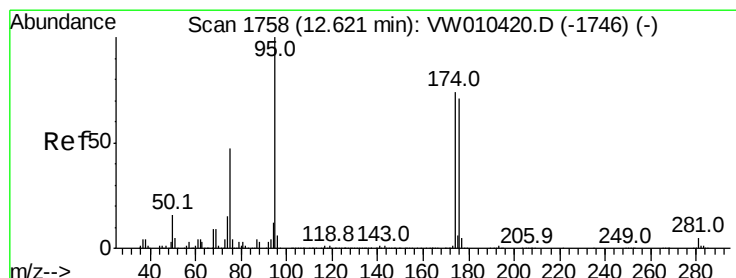
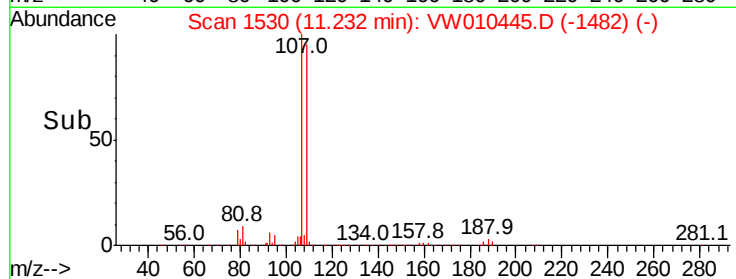
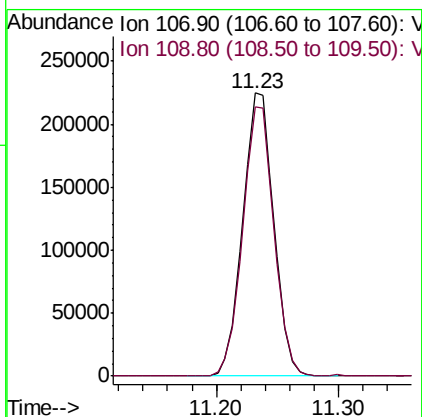
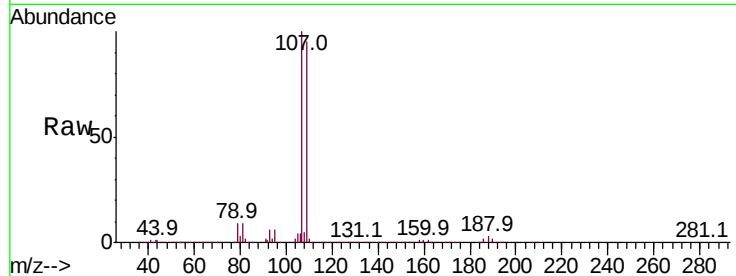
#61
 1,2-Dibromoethane
 Concen: 55.349 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	395599		
109	95.8	74.8	112.2	

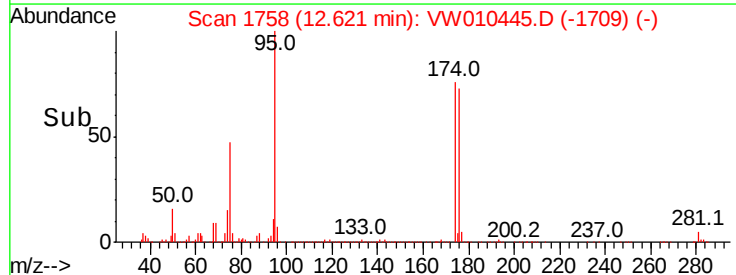
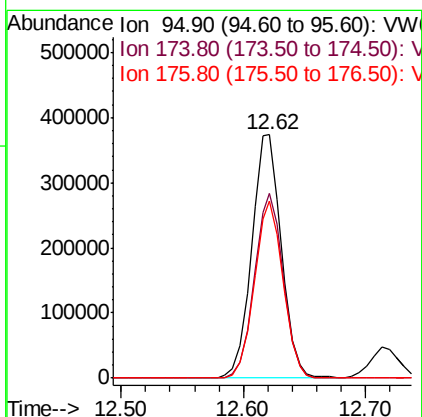
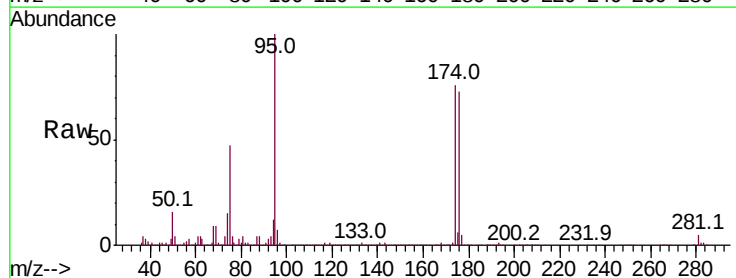
Manual Integrations
 APPROVED

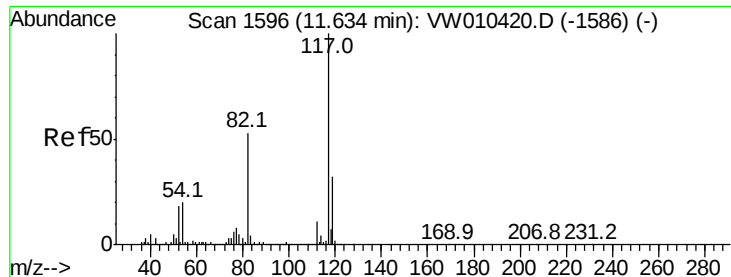
MMDadoda
 5/20/2019 12:15:10 PM



#62
 4-Bromofluorobenzene
 Concen: 51.727 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	625769		
174	73.9	0.0	146.6	
176	70.7	0.0	141.4	





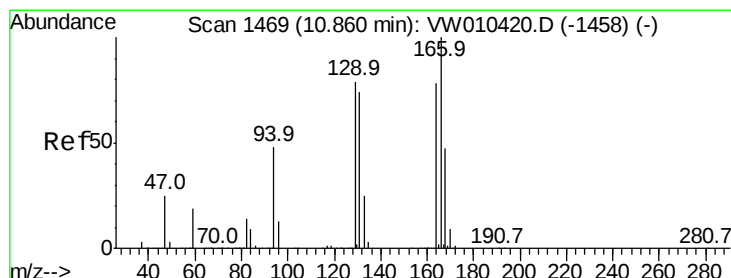
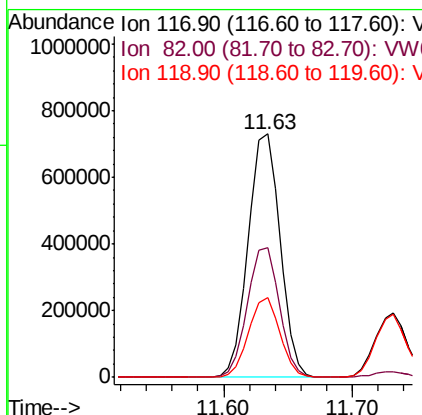
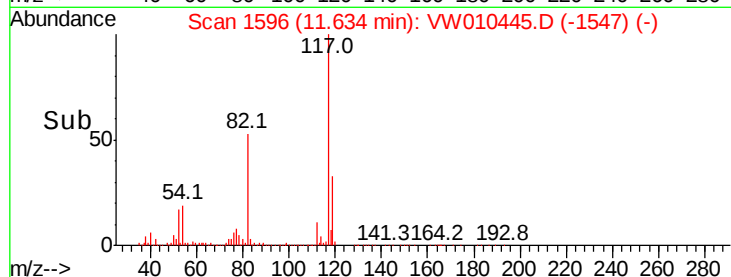
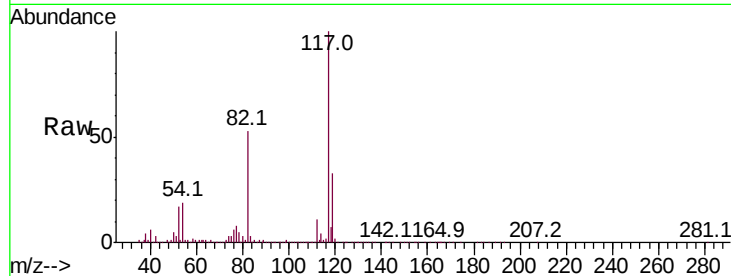
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.1	63.1
119	32.5	25.6	38.4

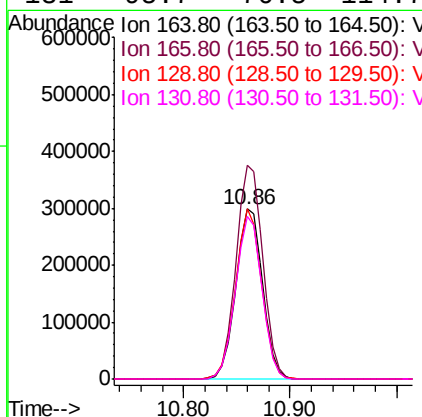
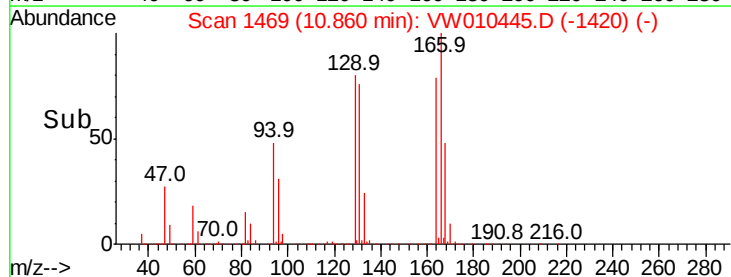
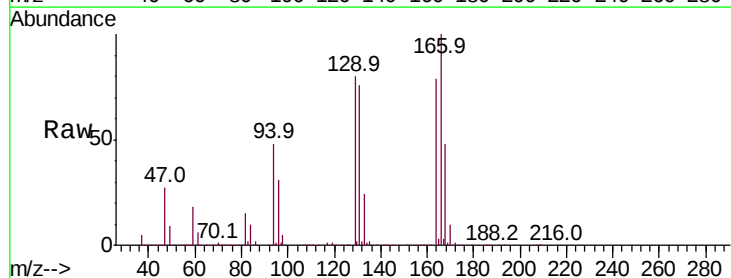
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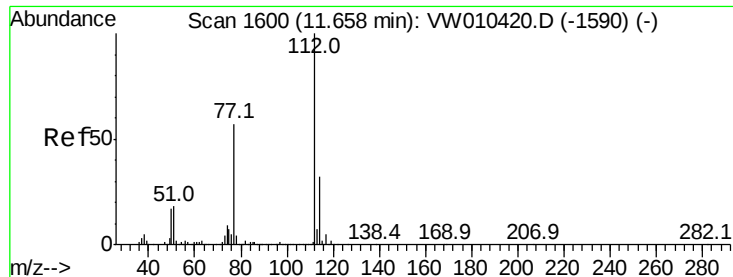
MMDadoda
5/20/2019 12:15:10 PM



#64
Tetrachloroethene
Concen: 64.080 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.2	154.8
129	100.3	81.6	122.4
131	95.7	76.5	114.7





#65

Chlorobenzene

Concen: 49.260 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1248355

Ion Ratio Lower Upper

112 100

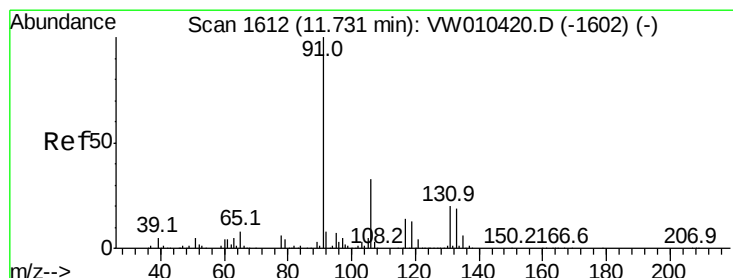
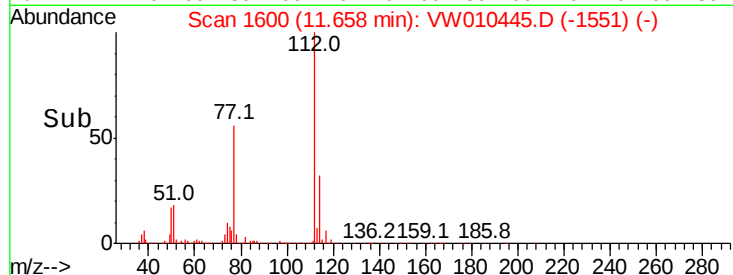
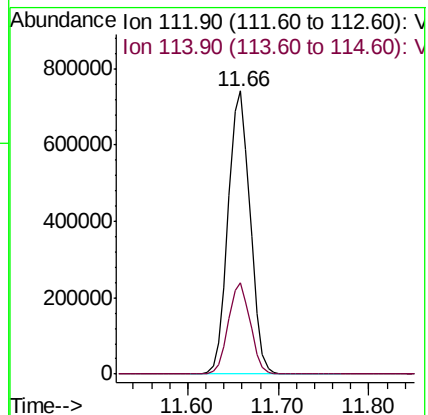
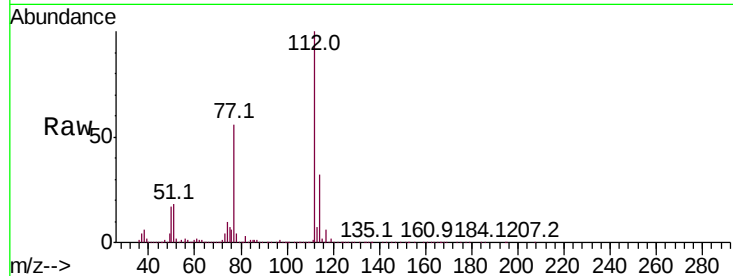
114 32.1 25.8 38.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.096 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

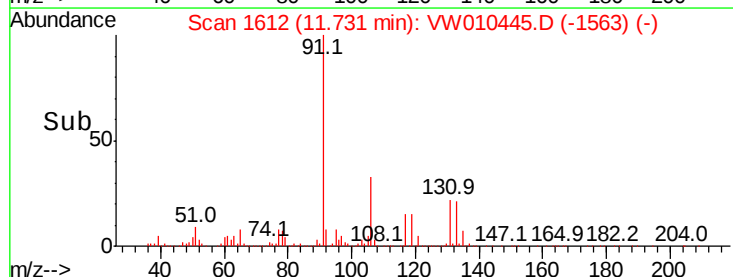
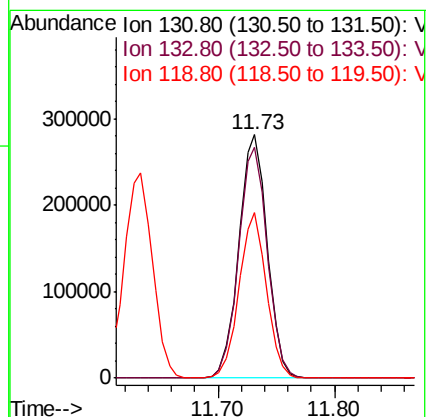
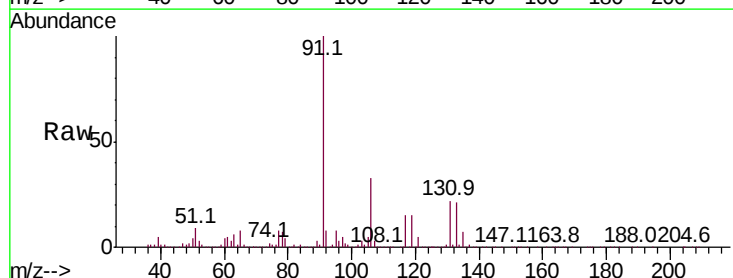
Tgt Ion:131 Resp: 478177

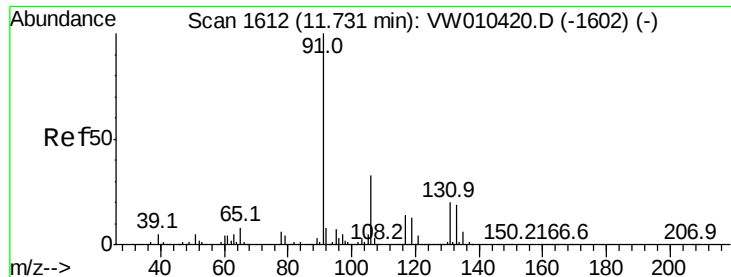
Ion Ratio Lower Upper

131 100

133 96.1 48.3 144.8

119 65.6 32.4 97.0





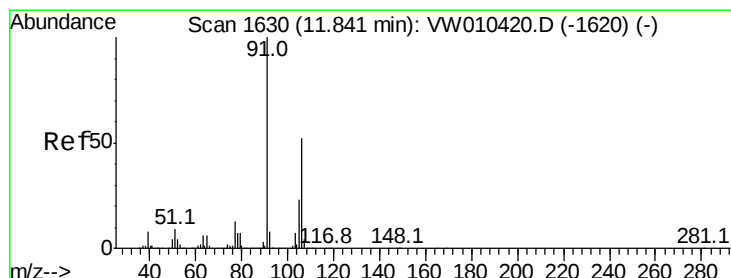
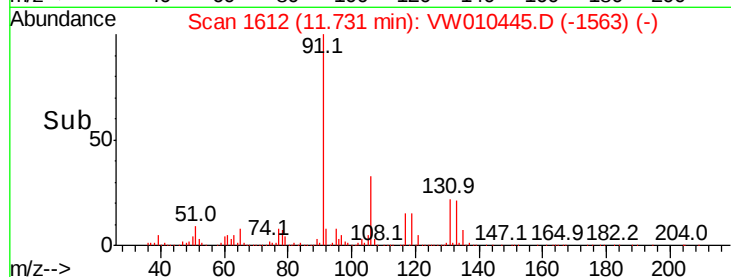
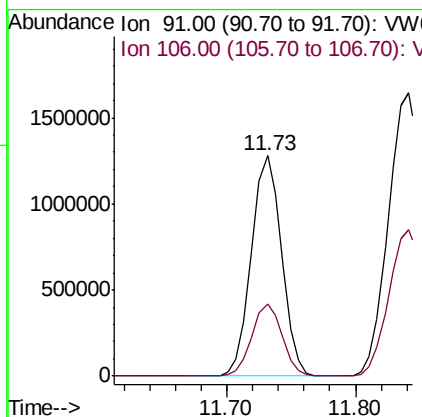
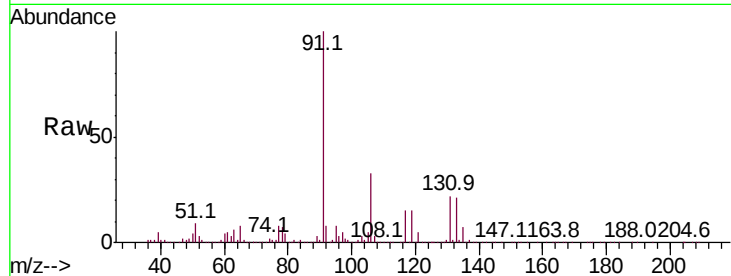
#67
Ethyl Benzene
Concen: 46.149 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2060149
Ion Ratio Lower Upper
91 100
106 32.8 26.5 39.7

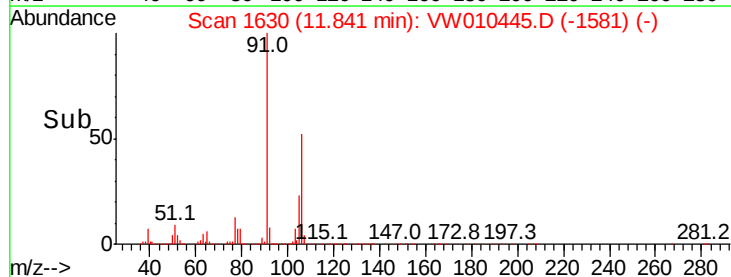
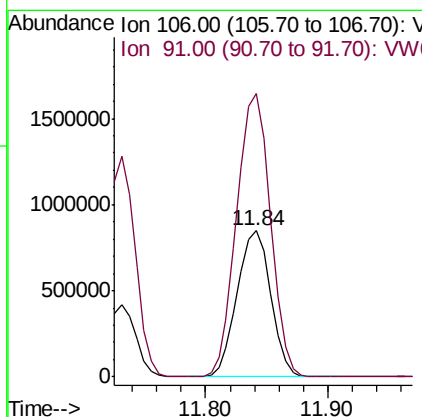
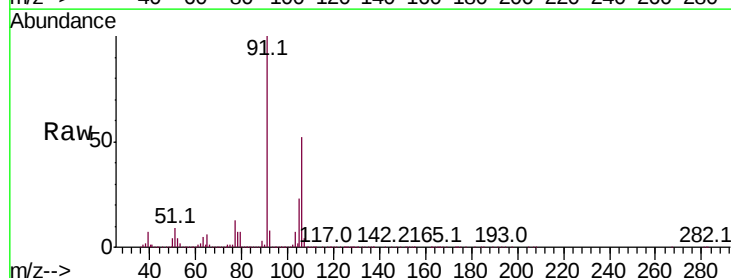
Manual Integrations
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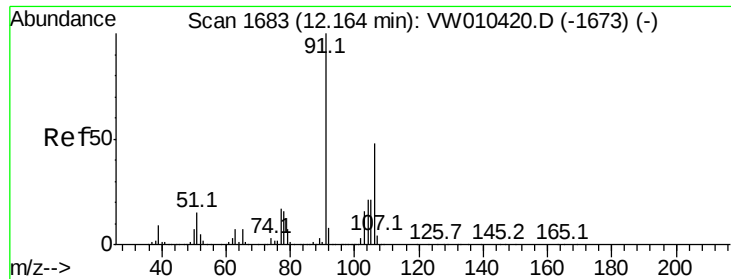
MMDadoda
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#68
m/p-Xylenes
Concen: 92.885 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion: 106 Resp: 1622905
Ion Ratio Lower Upper
106 100
91 195.0 156.2 234.2





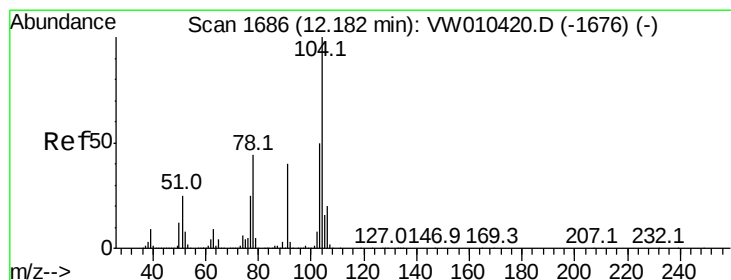
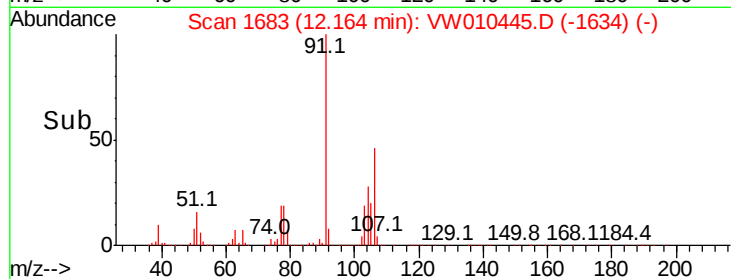
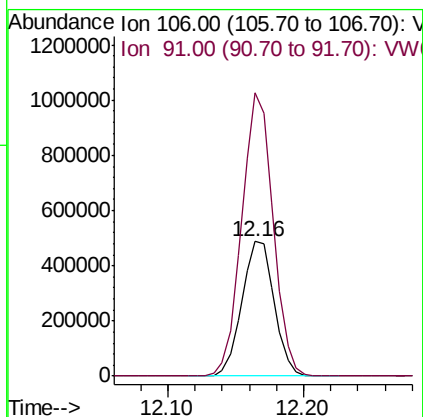
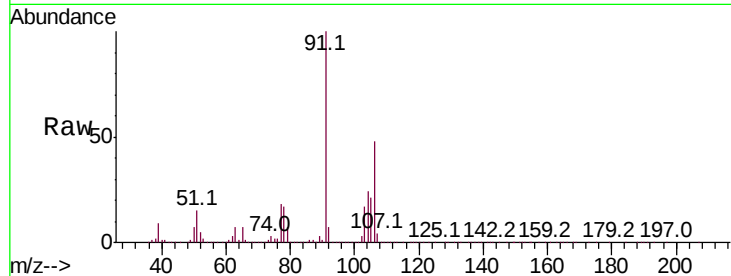
#69
o-Xylene
Concen: 48.572 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 808978
Ion Ratio Lower Upper
106 100
91 203.8 102.5 307.5

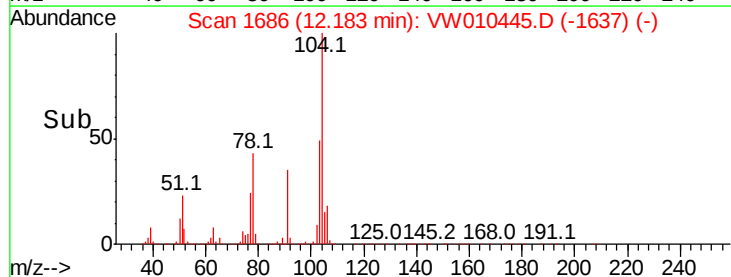
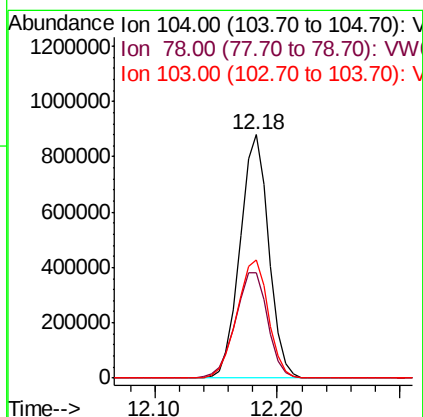
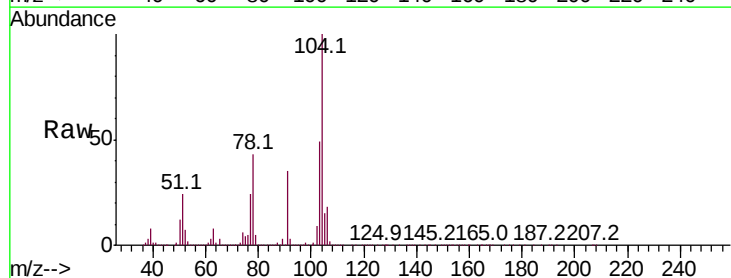
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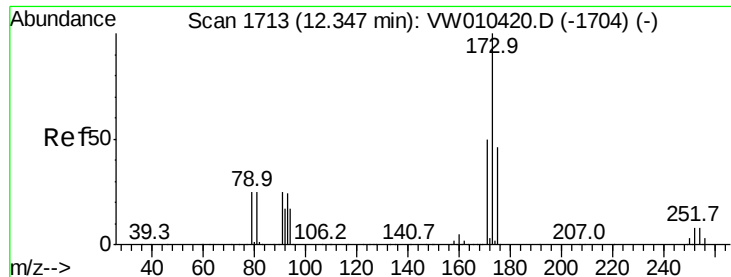
MMDadoda
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#70
Styrene
Concen: 49.758 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion:104 Resp: 1426947
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.0
103 53.1 43.4 65.0





#71

Bromoform

Concen: 55.571 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 293017

Ion Ratio Lower Upper

173 100

175 47.9 23.8 71.2

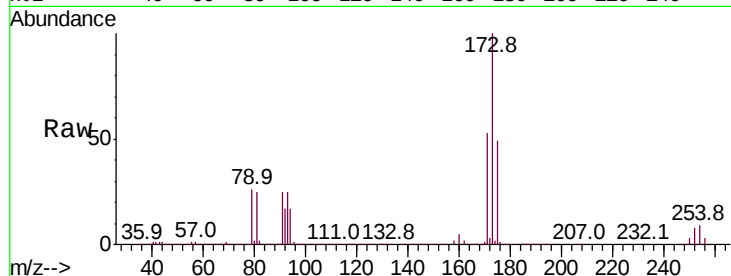
254 0.0 0.2 0.2#

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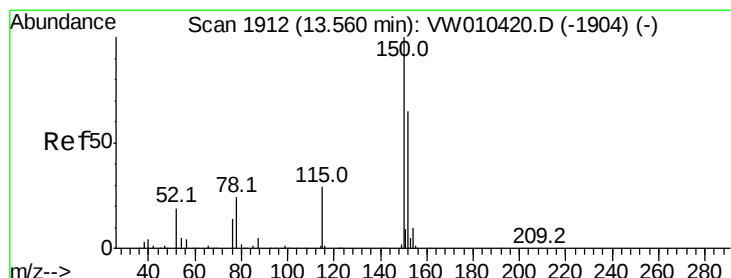
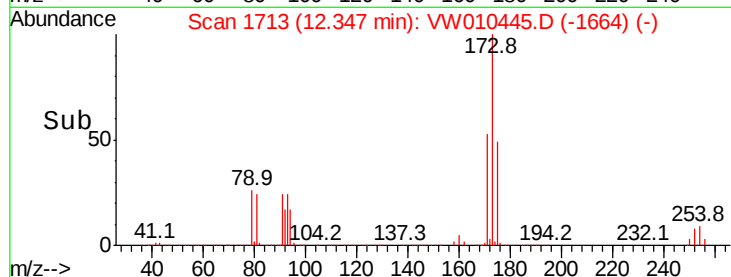
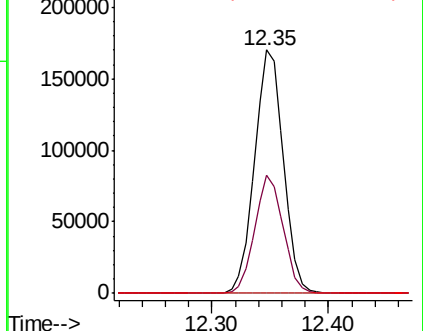
5/20/2019 12:15:10 PM



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: VW010445.D

Acq: 18 May 2019 08:08

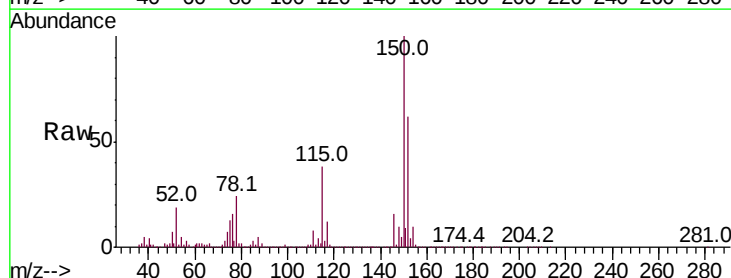
Tgt Ion:152 Resp: 601799

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.1

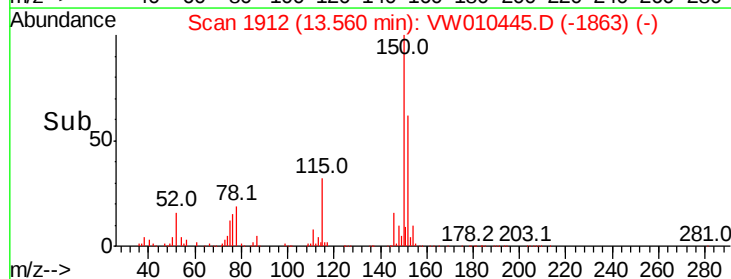
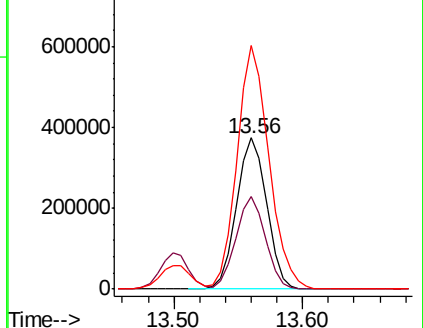
150 171.7 0.0 350.2

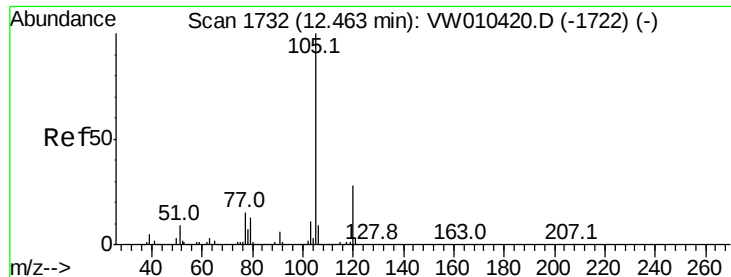


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.860 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2040992

Ion Ratio Lower Upper

105 100

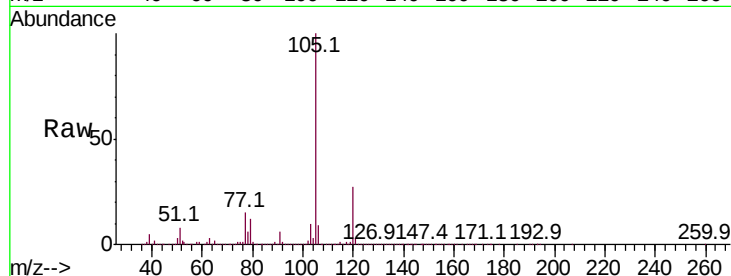
120 27.7 13.9 41.6

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Abundance Ion 105.00 (104.70 to 105.70): V

1500000 Ion 120.00 (119.70 to 120.70): V

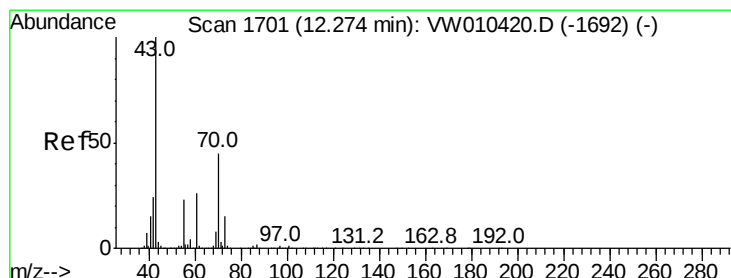
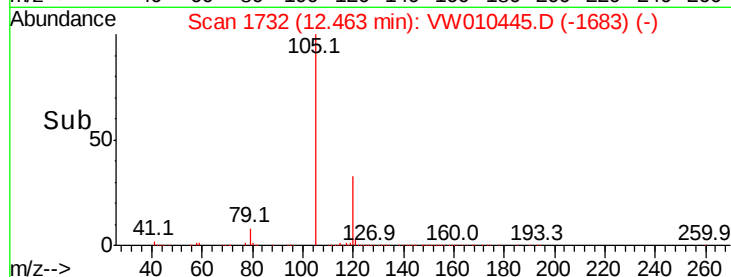
12.46

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 49.084 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion: 43 Resp: 585336

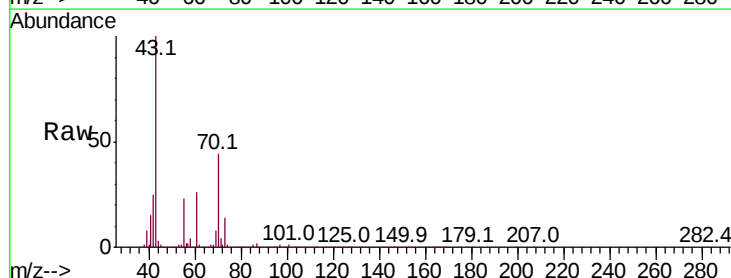
Ion Ratio Lower Upper

43 100

70 44.1 36.4 54.6

55 23.6 19.0 28.6

61 25.4 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

600000 Ion 70.00 (69.70 to 70.70): VW

500000 Ion 55.00 (54.70 to 55.70): VW

400000 Ion 61.00 (60.70 to 61.70): VW

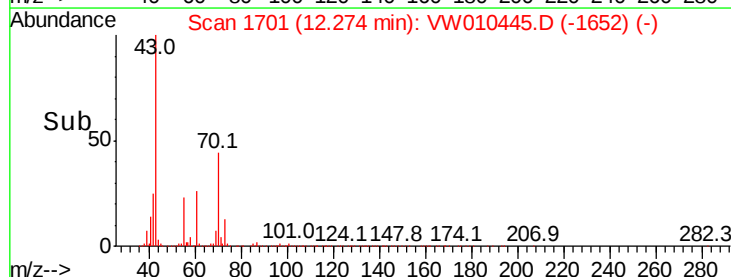
300000

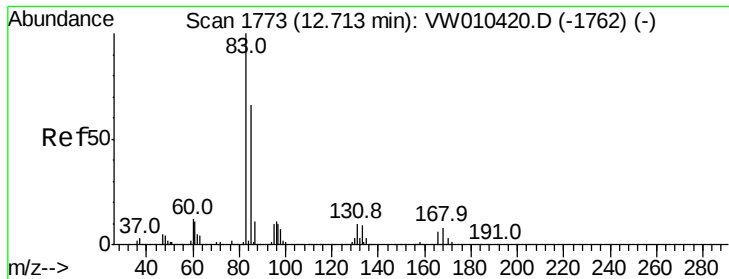
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.904 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 459923

Ion Ratio Lower Upper

83 100

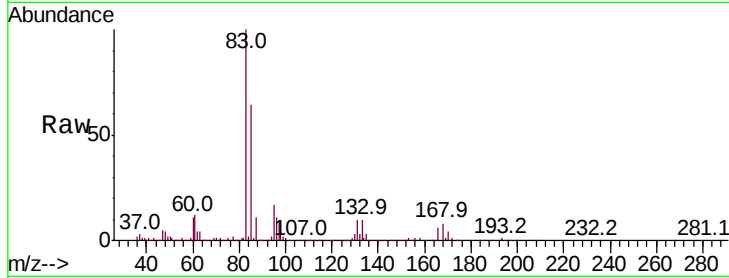
131 11.5 5.5 16.4

85 64.3 32.3 96.9

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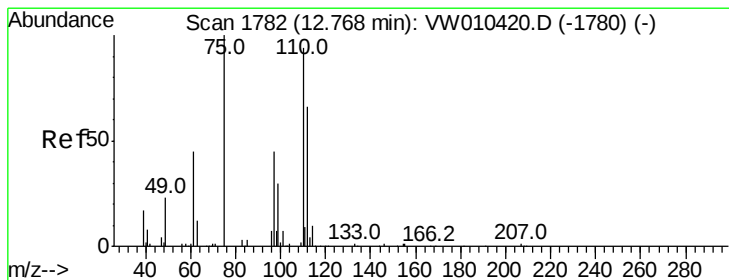
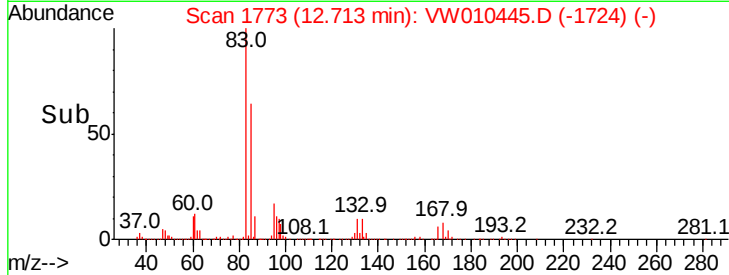
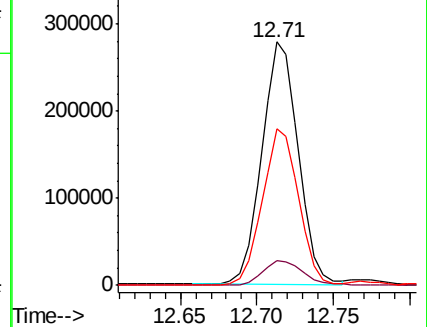
5/20/2019 12:15:10 PM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 49.665 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010445.D

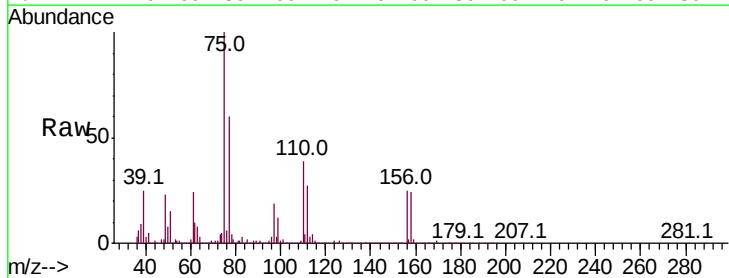
Acq: 18 May 2019 08:08

Tgt Ion: 75 Resp: 320053

Ion Ratio Lower Upper

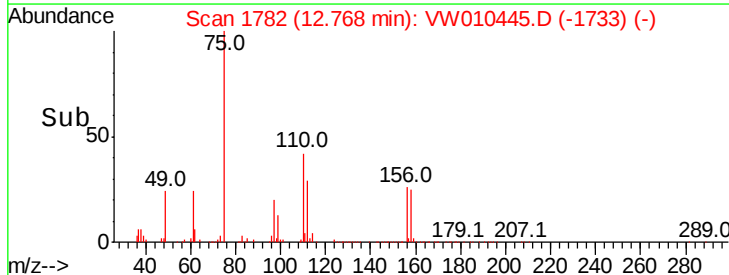
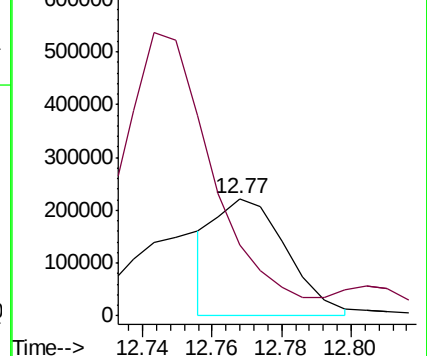
75 100

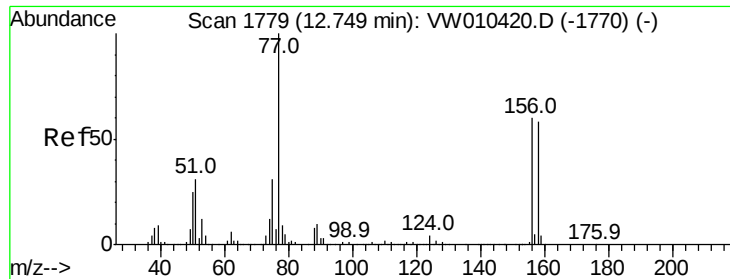
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.789 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

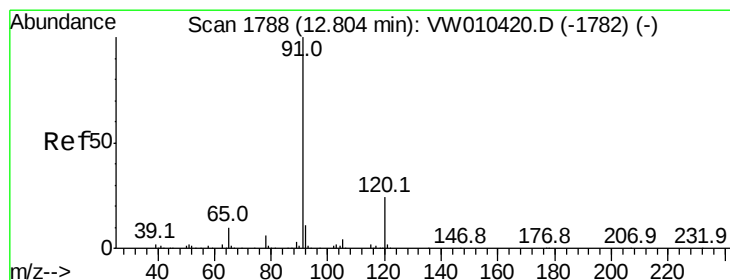
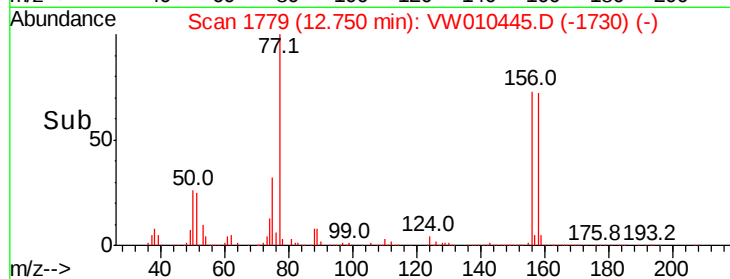
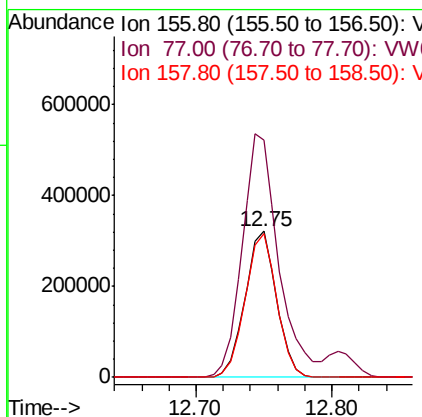
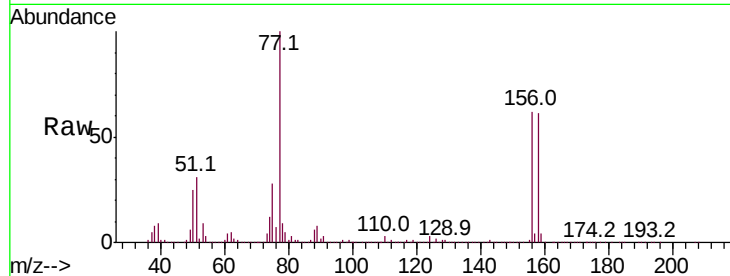
Instrument :
MSVOA_W

ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.6	95.7	286.9
158	97.9	48.9	146.7

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#78

n-propylbenzene

Concen: 43.067 ug/l

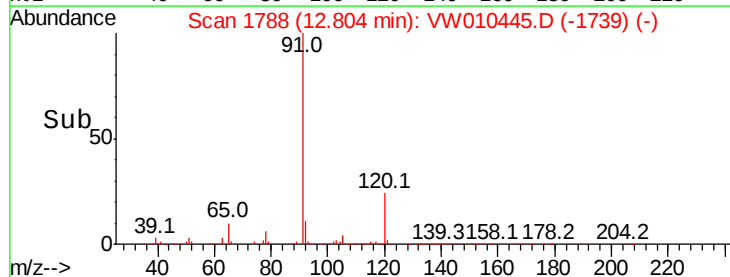
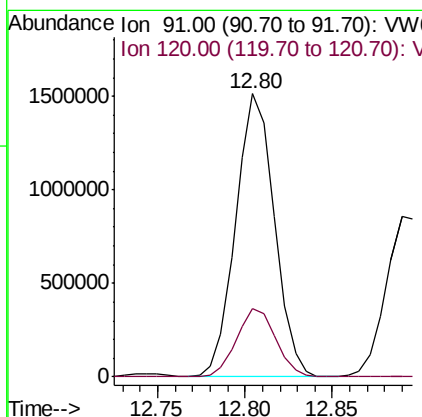
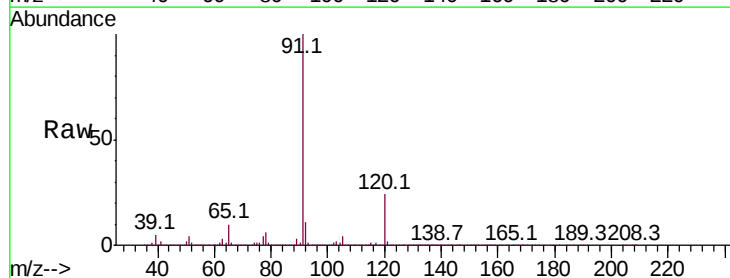
RT: 12.80 min Scan# 1788

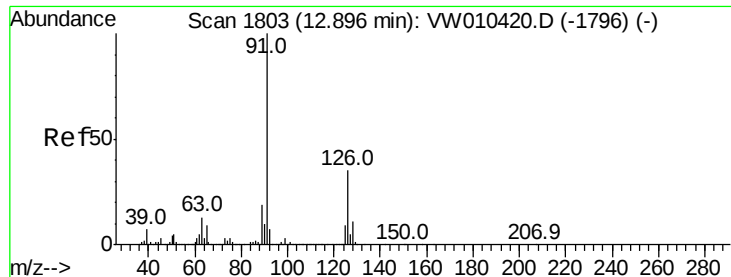
Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.0	36.1





#79

2-Chlorotoluene

Concen: 45.738 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1441695

Ion Ratio Lower Upper

91 100

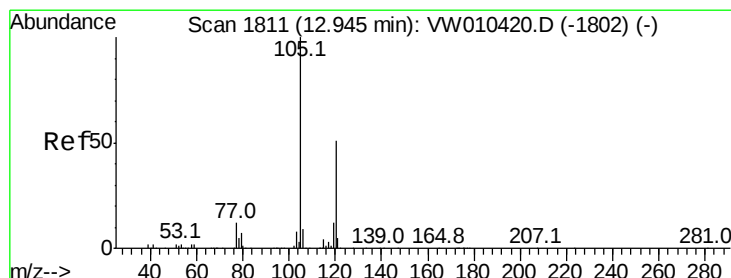
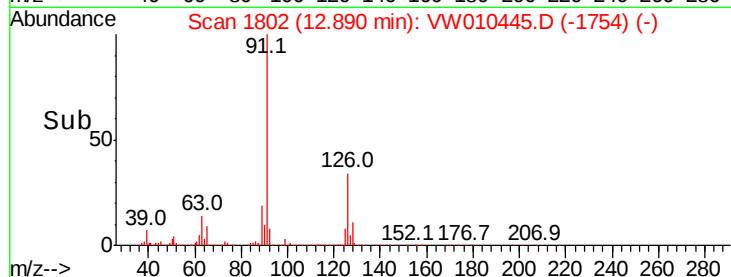
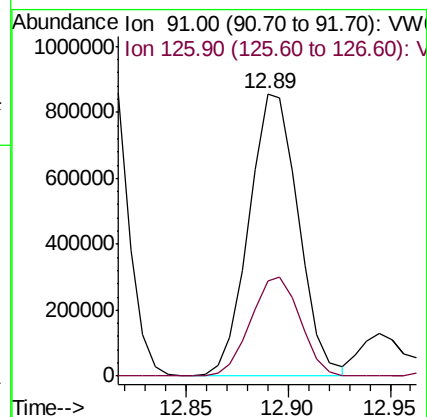
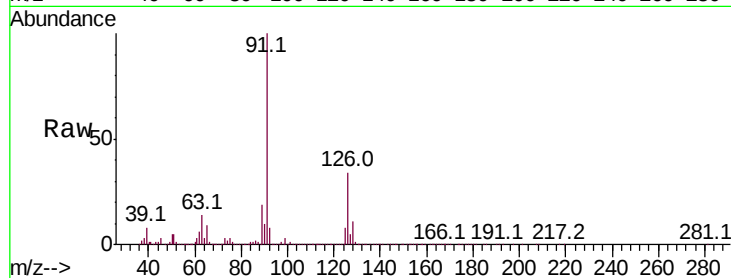
126 35.2 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 44.774 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010445.D

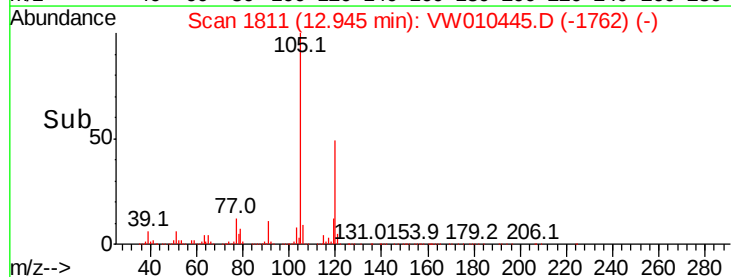
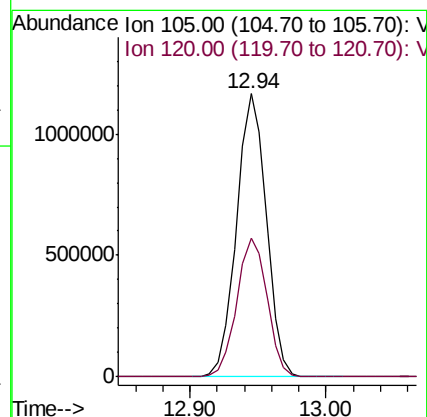
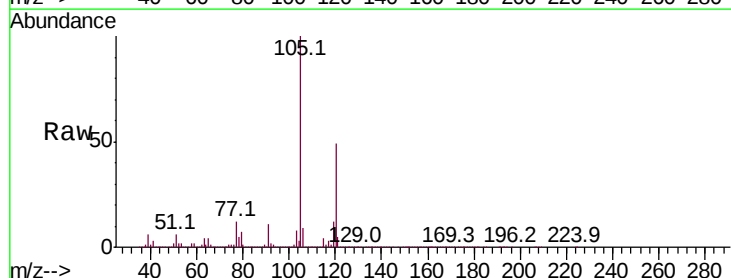
Acq: 18 May 2019 08:08

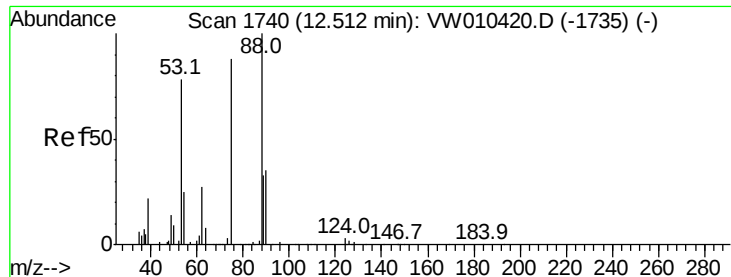
Tgt Ion:105 Resp: 1773453

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 39.537 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 129115

Ion Ratio Lower Upper

75 100

53 88.6 70.7 106.1

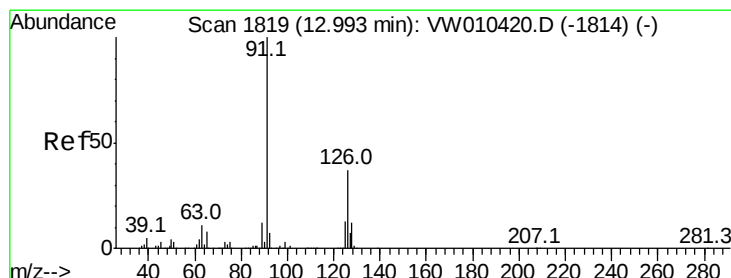
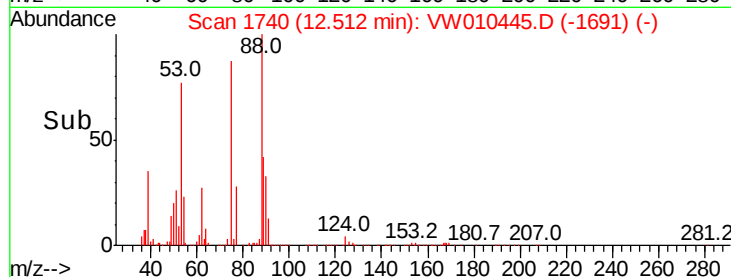
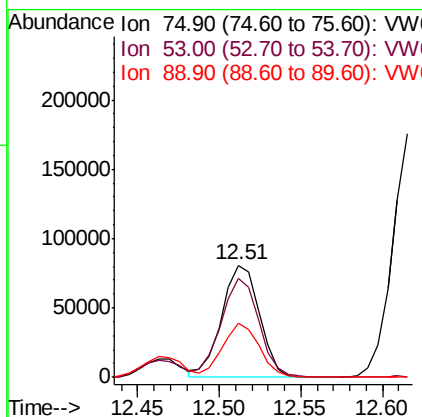
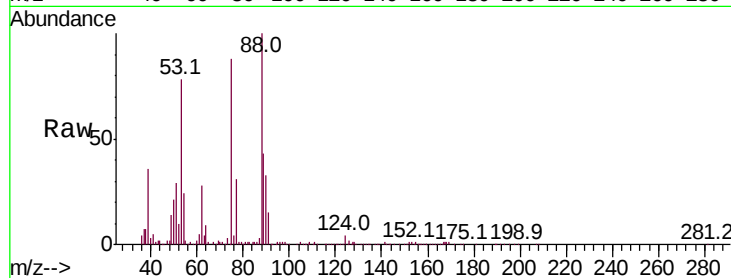
89 46.5 38.6 58.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 45.628 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW010445.D

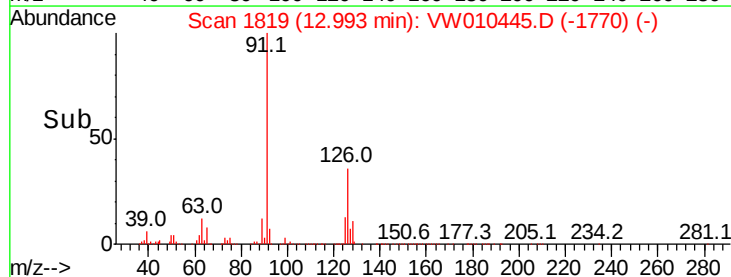
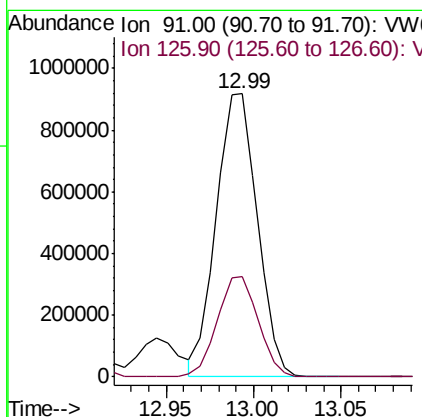
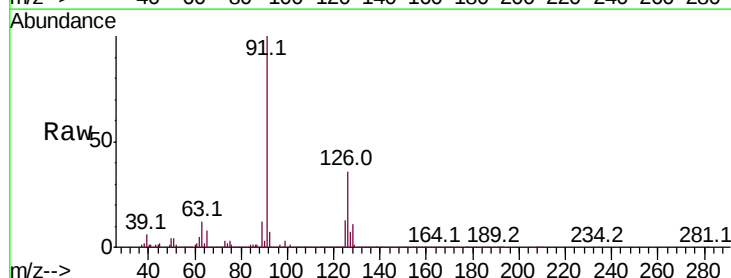
Acq: 18 May 2019 08:08

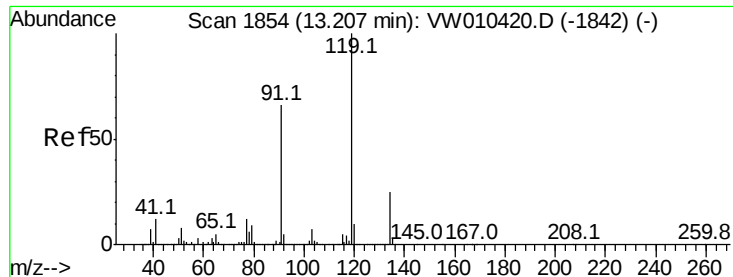
Tgt Ion: 91 Resp: 1502094

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.2





#83

tert-Butylbenzene

Concen: 45.792 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1533923

Ion Ratio Lower Upper

119 100

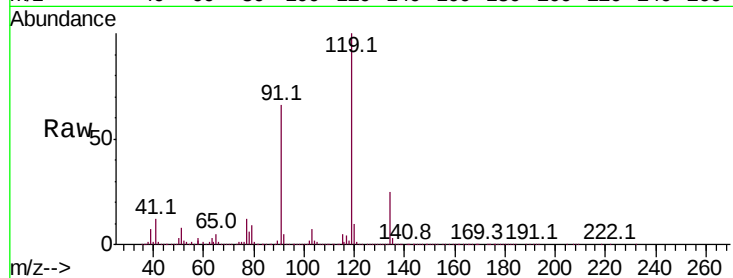
91 65.4 33.5 100.5

134 26.0 13.8 41.4

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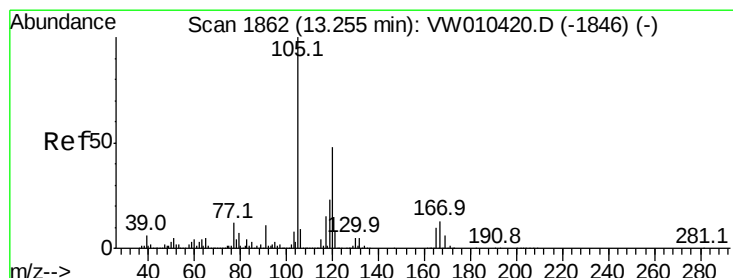
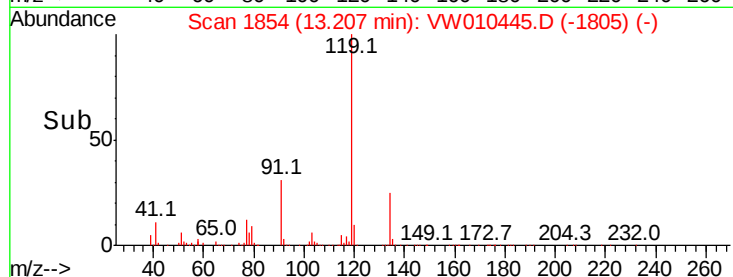
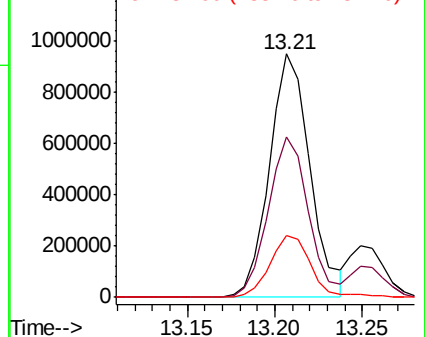
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.274 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010445.D

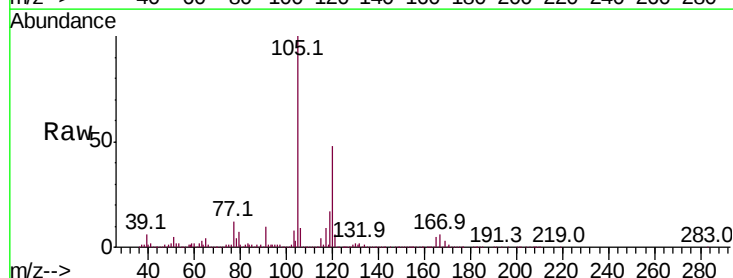
Acq: 18 May 2019 08:08

Tgt Ion:105 Resp: 1803213

Ion Ratio Lower Upper

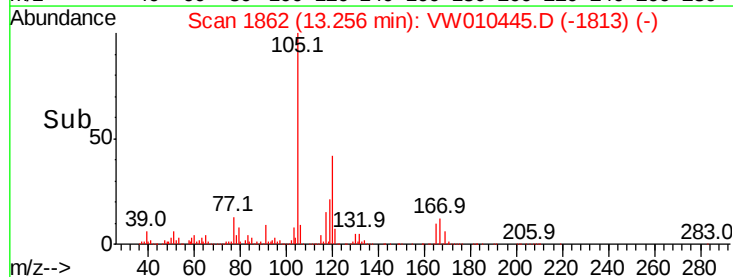
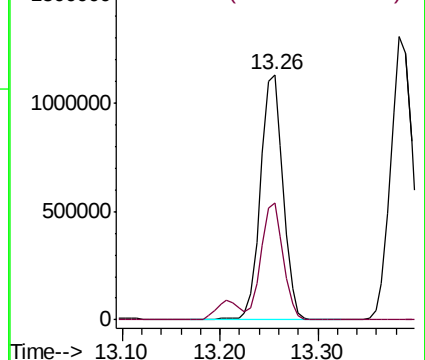
105 100

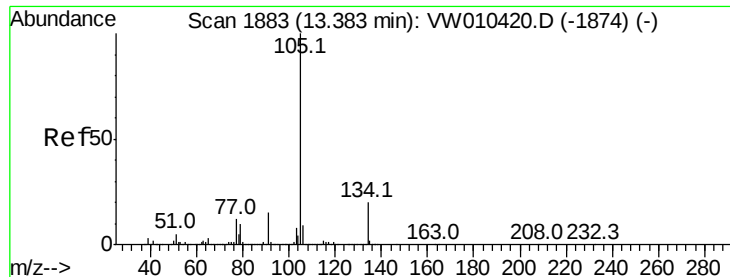
120 46.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





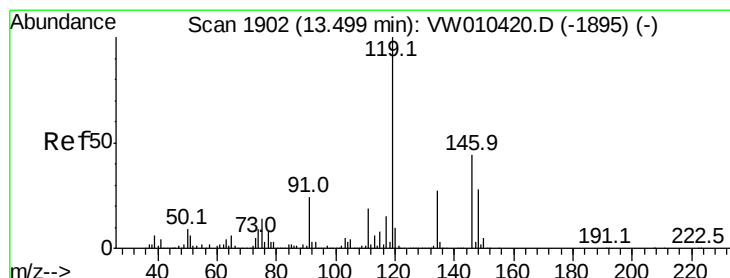
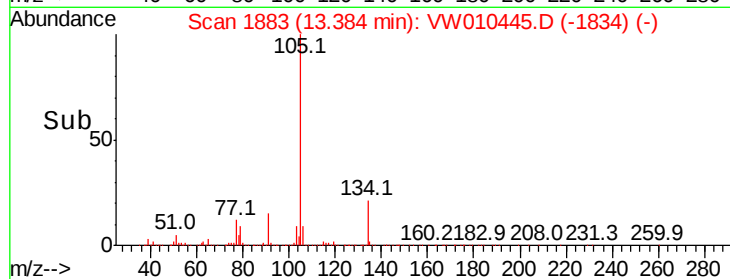
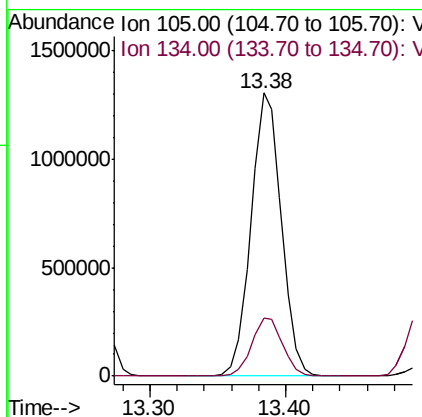
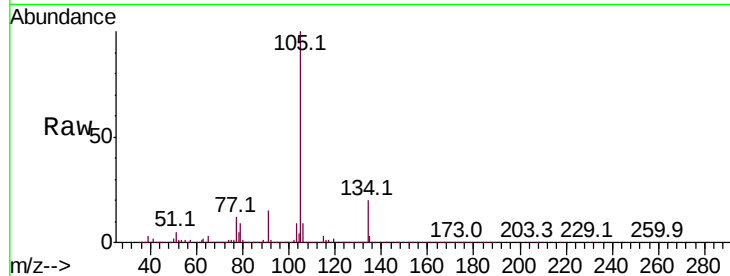
#85
 sec-Butylbenzene
 Concen: 43.148 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:105 Resp: 2035202
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4

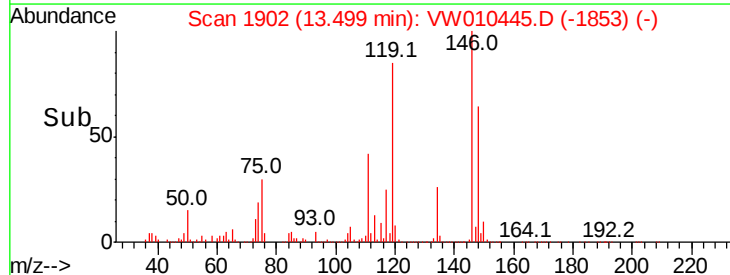
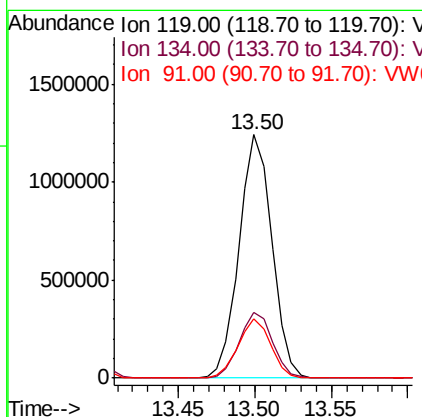
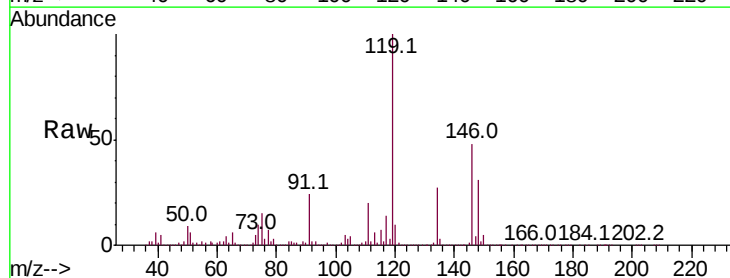
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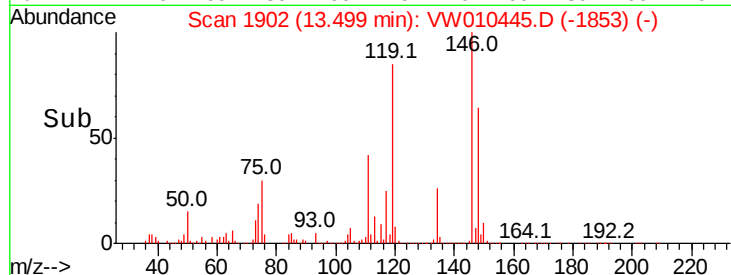
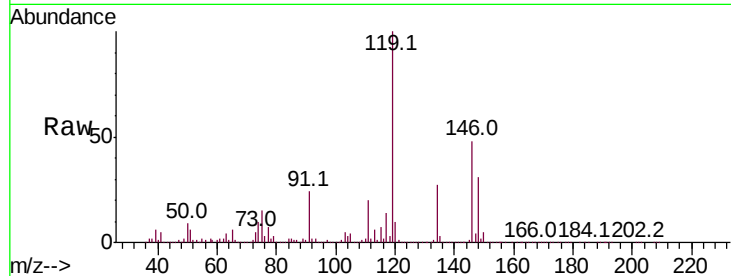
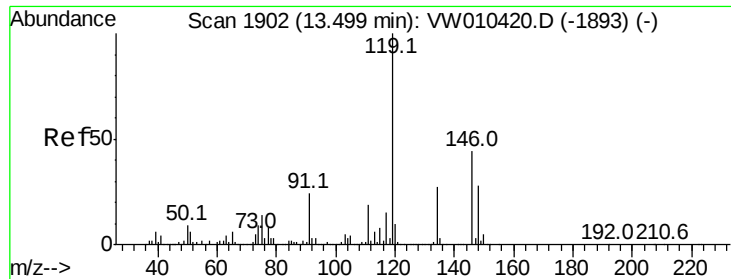
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#86
 p-Isopropyltoluene
 Concen: 43.344 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Tgt Ion:119 Resp: 1846960
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.7 41.0
 91 24.0 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 47.846 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010445.D

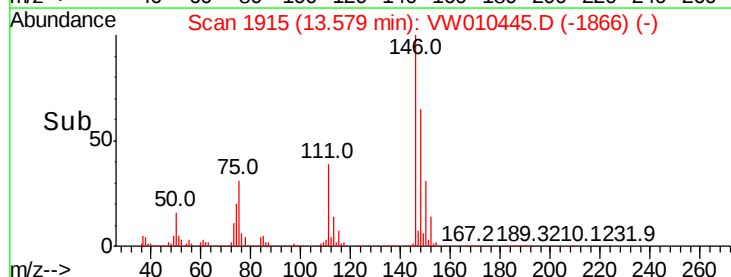
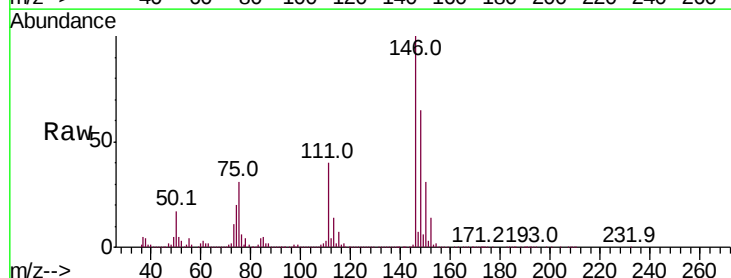
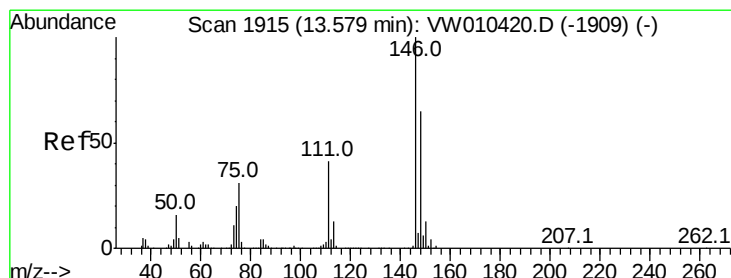
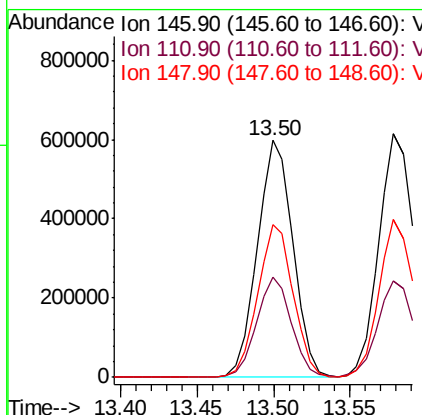
Acq: 18 May 2019 08:08

Tot Ion	Ratio	Resp	Lower	Upper
146	100	968637		
111	41.4	20.8	62.4	
148	64.1	31.8	95.4	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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#88

1,4-Dichlorobenzene

Concen: 48.689 ug/l

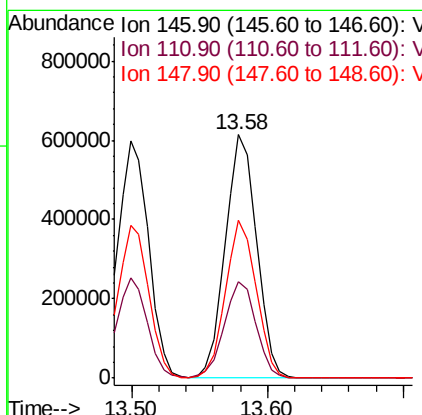
RT: 13.58 min Scan# 1915

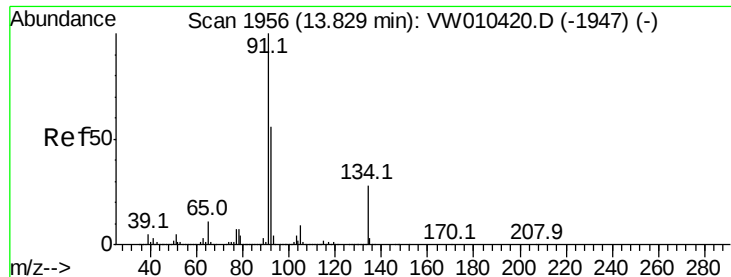
Delta R.T. 0.00 min

Lab File: VW010445.D

Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	981191		
111	40.1	20.4	61.3	
148	63.8	32.3	96.9	





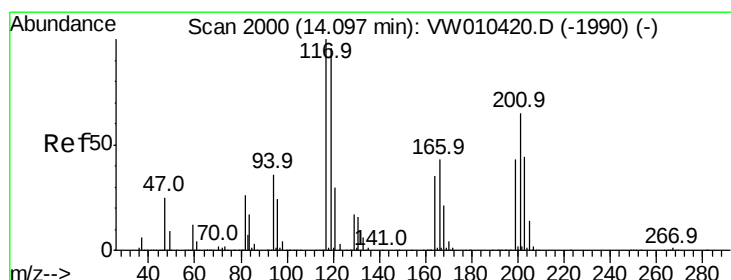
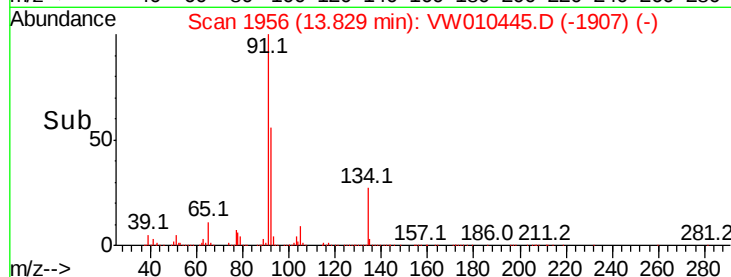
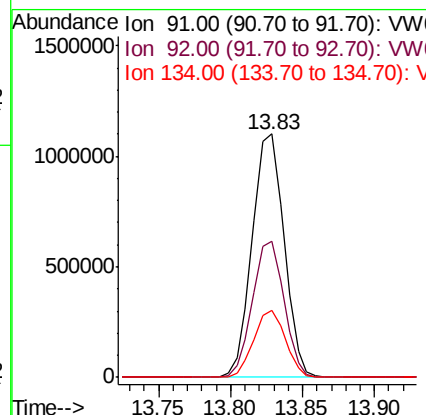
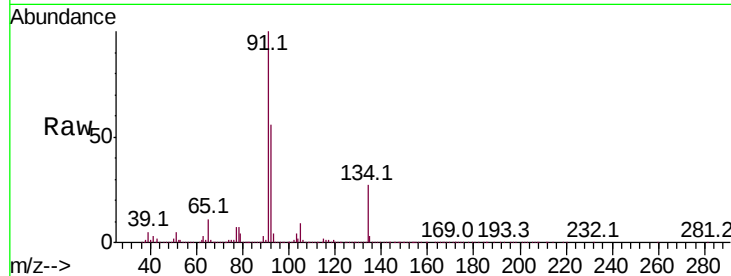
#89
n-Butylbenzene
Concen: 41.299 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.7	83.0
134	27.5	13.8	41.3

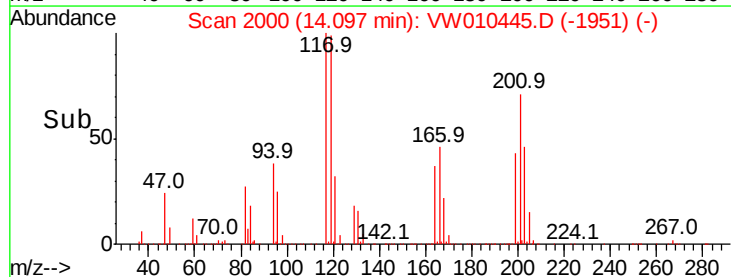
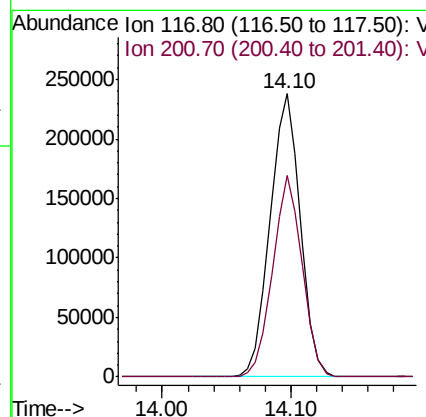
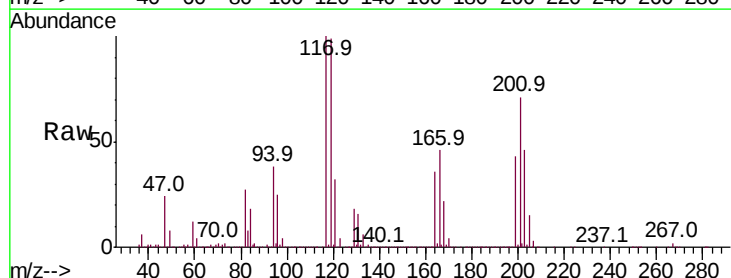
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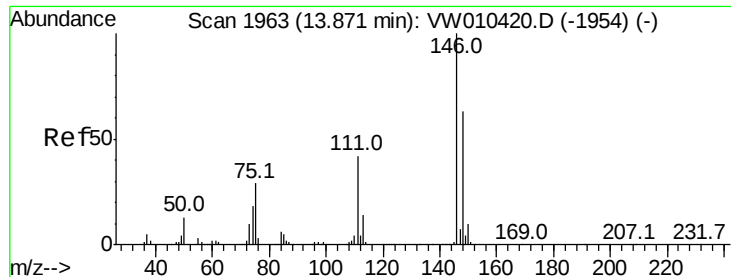
MMDadoda
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#90
Hexachloroethane
Concen: 45.226 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.7	33.8	101.4





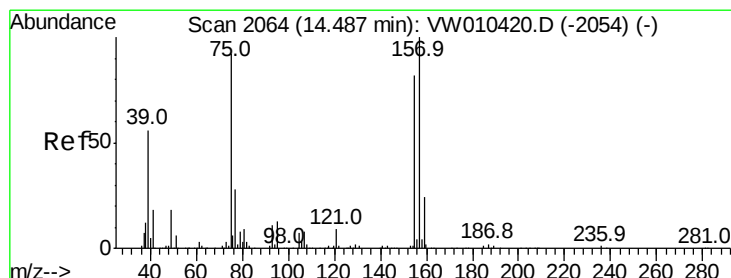
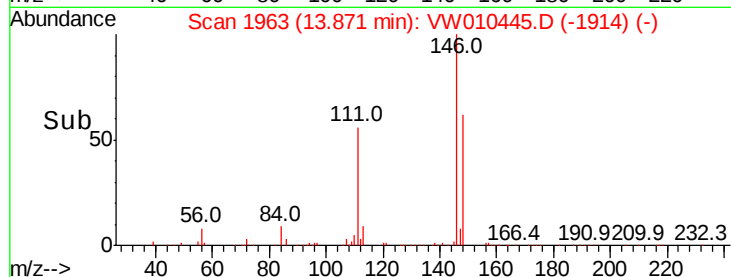
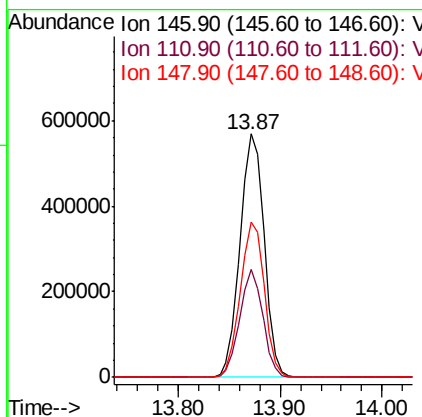
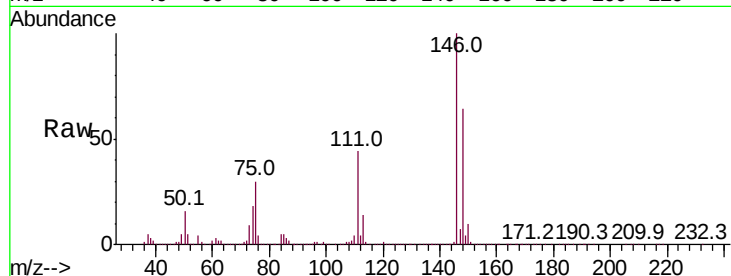
#91
1,2-Dichlorobenzene
Concen: 50.610 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	63.8	31.6	95.0

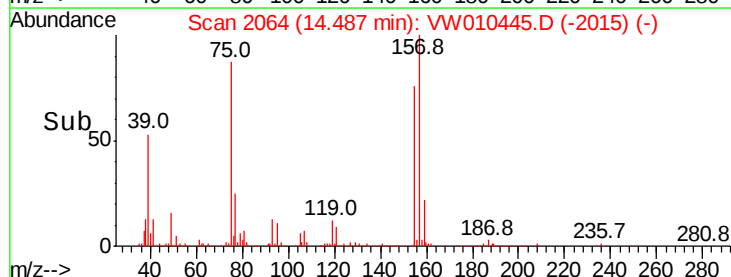
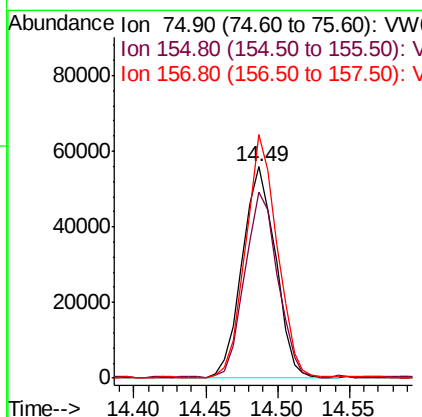
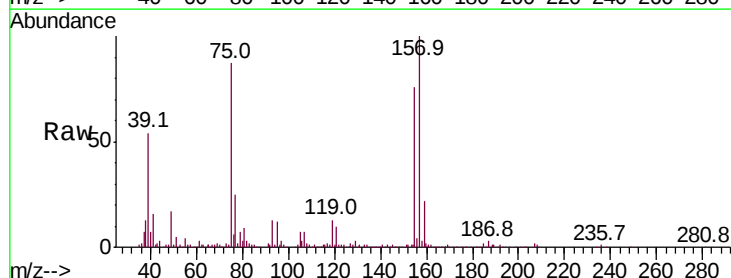
Manual Integrations
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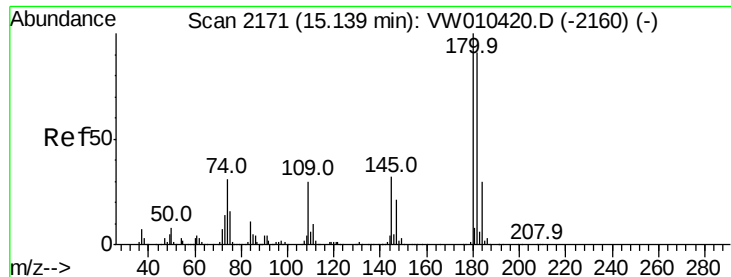
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 51.894 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	43.5	130.7
157	109.5	54.8	164.4





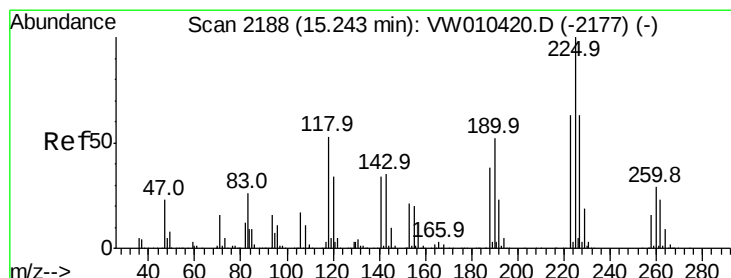
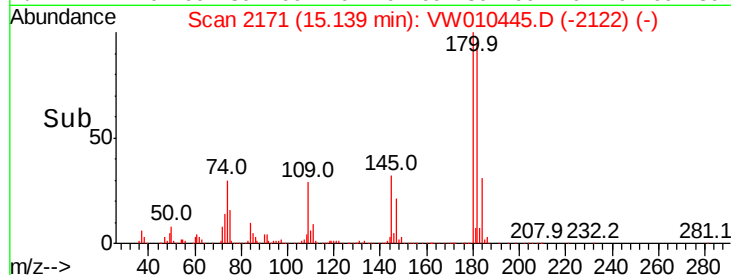
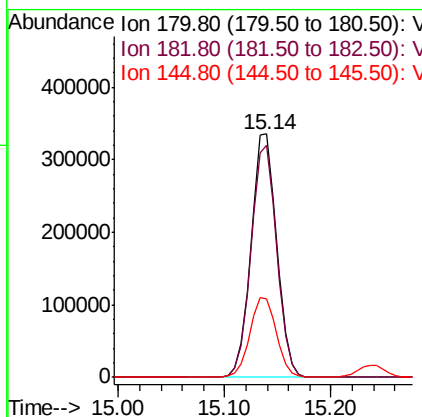
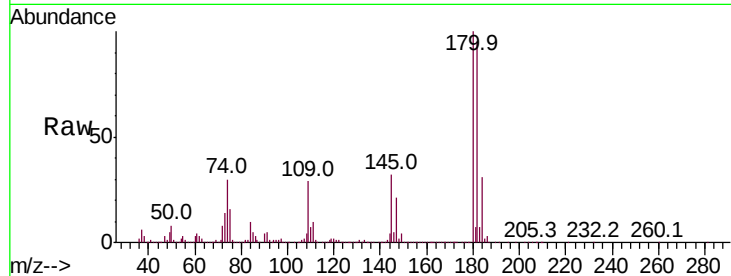
#93
 1,2,4-Trichlorobenzene
 Concen: 47.480 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	47.0	141.2	
145	33.7	16.6	49.7	

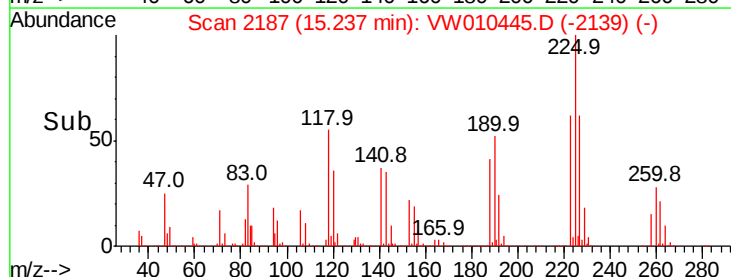
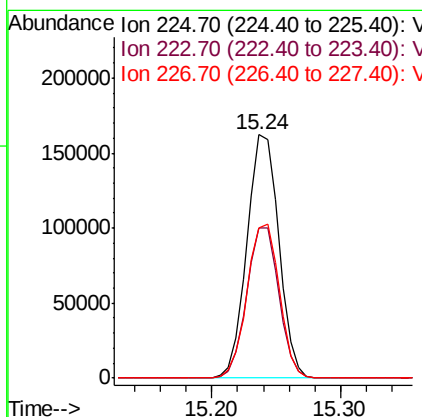
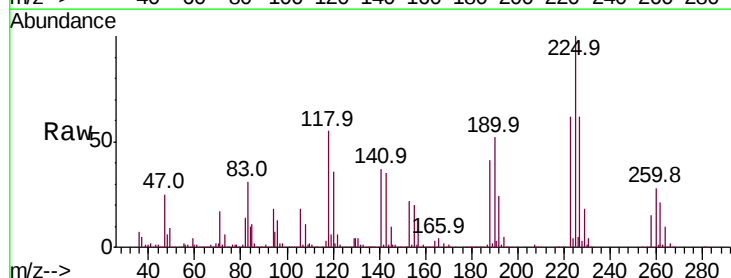
Manual Integrations
 APPROVED

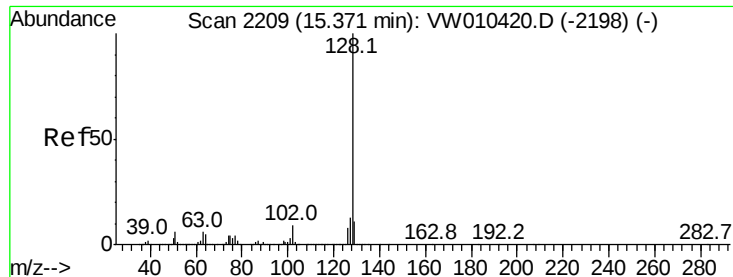
MMDadoda
 5/20/2019 12:15:10 PM



#94
 Hexachlorobutadiene
 Concen: 43.261 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010445.D
 Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	32.0	96.2	
227	63.8	31.4	94.0	





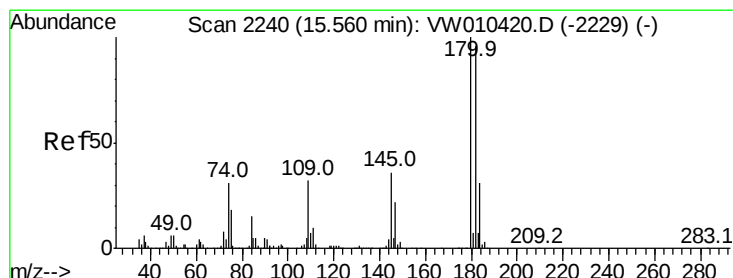
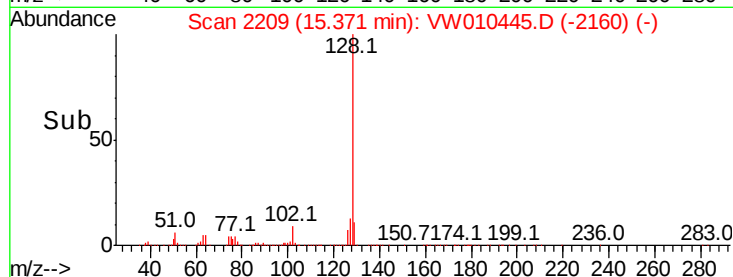
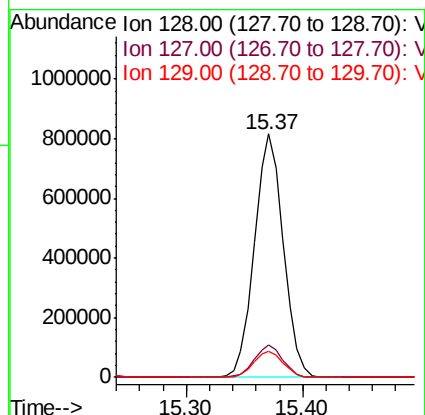
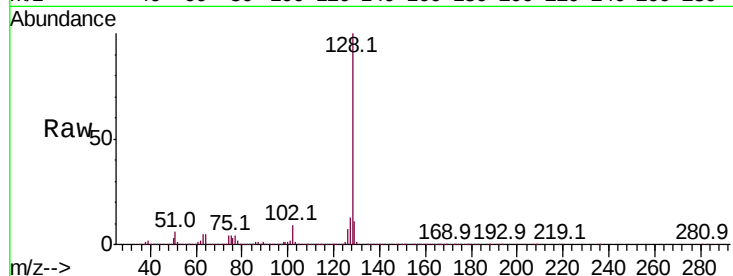
#95
Naphthalene
Concen: 51.985 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:15:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.005 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010445.D
Acq: 18 May 2019 08:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.9
145	35.5	17.8	53.5

