

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010522.D
 Acq On : 22 May 2019 21:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 11:41:56 AM

Quant Time: May 23 07:56:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	124032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	221911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98600	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	69620	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	7.88	113	71053	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
50) Toluene-d8	10.32	98	264879	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.62	95	104712	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	55323	50.067	ug/l	98
3) Chloromethane	2.21	50	63366	48.624	ug/l	98
4) Vinyl Chloride	2.35	62	67398	44.649	ug/l	100
5) Bromomethane	2.75	94	50297	48.435	ug/l	96
6) Chloroethane	2.91	64	48128	49.668	ug/l	99
7) Trichlorofluoromethane	3.25	101	113788	51.059	ug/l	97
8) Diethyl Ether	3.68	74	38906	55.073	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70623	51.458	ug/l	100
10) Methyl Iodide	4.27	142	79523	50.694	ug/l	99
11) Tert butyl alcohol	5.17	59	30942	268.699	ug/l	99
12) 1,1-Dichloroethene	4.03	96	66547	50.795	ug/l	95
13) Acrolein	3.89	56	16606	247.236	ug/l	98
14) Allyl chloride	4.67	41	97876	51.612	ug/l	100
15) Acrylonitrile	5.37	53	80836	273.227	ug/l	98
16) Acetone	4.12	43	62908	240.730	ug/l	100
17) Carbon Disulfide	4.38	76	195487	50.026	ug/l	100
18) Methyl Acetate	4.67	43	33182	51.918	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	187121	56.026	ug/l	96
20) Methylene Chloride	4.92	84	77167	50.364	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	80018	53.249	ug/l	100
22) Diisopropyl ether	6.31	45	209011	53.752	ug/l	99
23) Vinyl Acetate	6.26	43	628369	270.530	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126445	54.492	ug/l	99
25) 2-Butanone	7.17	43	98646	263.777	ug/l	100
26) 2,2-Dichloropropane	7.17	77	106802	48.319	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	89889	55.021	ug/l	98
28) Bromochloromethane	7.51	49	48089	57.883	ug/l	95
29) Tetrahydrofuran	7.52	42	67122	265.241	ug/l	98
30) Chloroform	7.68	83	138466	55.322	ug/l	99
31) Cyclohexane	7.95	56	115501	47.518	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	125251	52.357	ug/l	98
36) 1,1-Dichloropropene	8.08	75	103248	49.946	ug/l	99
37) Ethyl Acetate	7.25	43	46517	52.916	ug/l	98
38) Carbon Tetrachloride	8.07	117	111808	50.138	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	136050	49.123	ug/l	97
40) Benzene	8.32	78	301667	52.503	ug/l	100
41) Methacrylonitrile	7.48	41	26051	49.875	ug/l	96
42) 1,2-Dichloroethane	8.40	62	89600	54.562	ug/l	100
43) Isopropyl Acetate	8.42	43	90977	51.803	ug/l	99
44) Trichloroethene	9.09	130	90063	52.799	ug/l	99
45) 1,2-Dichloropropane	9.37	63	71904	52.693	ug/l	97
46) Dibromomethane	9.46	93	43198	54.130	ug/l	97
47) Bromodichloromethane	9.65	83	106431	53.071	ug/l	98
48) Methyl methacrylate	9.43	41	41094	51.147	ug/l	98
49) 1,4-Dioxane	9.45	88	14451	1108.502	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	230082	258.546	ug/l	99
52) Toluene	10.39	92	203140	52.645	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	105303	51.846	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	123275	53.145	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	63508	55.340	ug/l	96
56) Ethyl methacrylate	10.65	69	83113	52.513	ug/l	99
57) 1,3-Dichloropropane	10.93	76	105467	54.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	189557	270.396	ug/l	99
59) 2-Hexanone	10.97	43	161574	254.522	ug/l	99
60) Dibromochloromethane	11.13	129	79369	54.647	ug/l	99
61) 1,2-Dibromoethane	11.24	107	63393	54.532	ug/l	99
64) Tetrachloroethene	10.86	164	73082	52.238	ug/l	99
65) Chlorobenzene	11.66	112	225641	52.753	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	82191	53.642	ug/l	100
67) Ethyl Benzene	11.73	91	382463	50.646	ug/l	99
68) m/p-Xylenes	11.84	106	301951	101.941	ug/l	100
69) o-Xylene	12.16	106	145128	51.714	ug/l	99
70) Styrene	12.18	104	249522	52.403	ug/l	99
71) Bromoform	12.35	173	44698	52.974	ug/l #	100
73) Isopropylbenzene	12.46	105	385448	49.263	ug/l	100
74) N-amyl acetate	12.27	43	87228	48.650	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	71822	50.468	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	50139m	50.096	ug/l	
77) Bromobenzene	12.75	156	92967	53.096	ug/l	98
78) n-propylbenzene	12.80	91	440431	48.303	ug/l	99
79) 2-Chlorotoluene	12.90	91	262123	49.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	330494	49.873	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	22125	46.136	ug/l	98
82) 4-Chlorotoluene	12.99	91	273517	49.834	ug/l	99
83) tert-Butylbenzene	13.21	119	282534	48.810	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	332486	50.377	ug/l	100
85) sec-Butylbenzene	13.38	105	394130	48.655	ug/l	99
86) p-Isopropyltoluene	13.50	119	359017	48.965	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	174755	50.872	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	179305	52.024	ug/l	99
89) n-Butylbenzene	13.83	91	333532	47.824	ug/l	99
90) Hexachloroethane	14.10	117	70663	49.791	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	163825	52.340	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12961	48.980	ug/l	98

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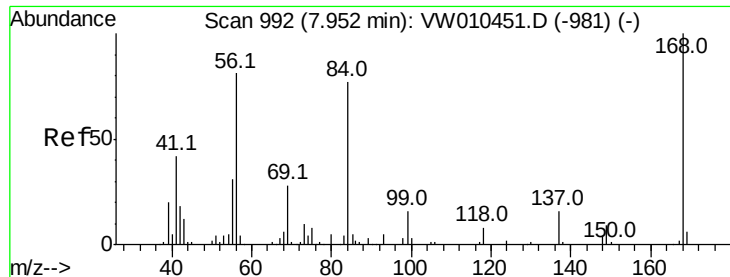
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	108485	50.941	ug/l	99
94) Hexachlorobutadiene	15.24	225	56082	49.294	ug/l	99
95) Naphthalene	15.37	128	230218	51.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	95220	51.963	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. -0.01 min

Lab File: VW010522.D

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Instrument :

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VSTDCCC050EC

Tot Ion:168 Resp: 124032

Ion Ratio Lower Upper

168 100

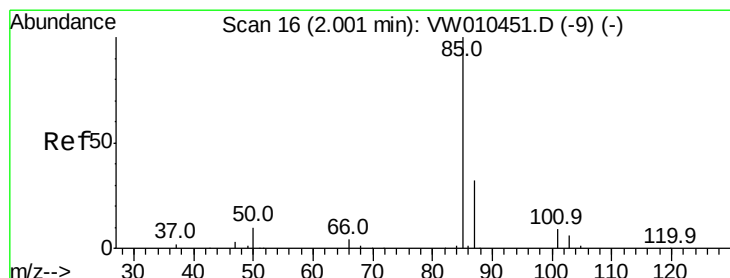
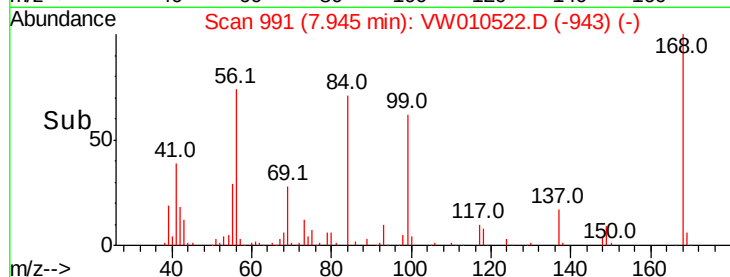
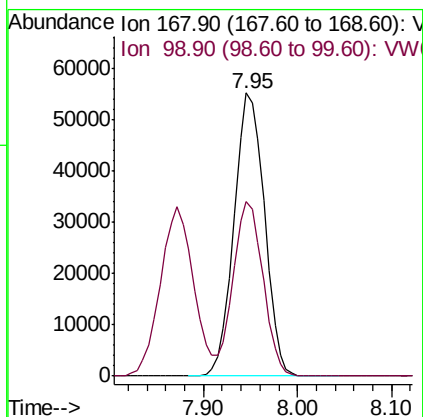
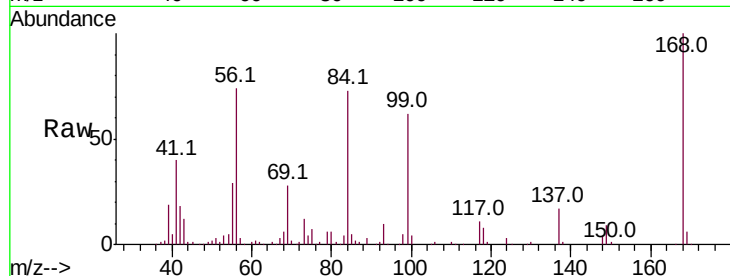
99 61.8 46.1 69.1

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#2

Dichlorodifluoromethane

Concen: 50.067 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010522.D

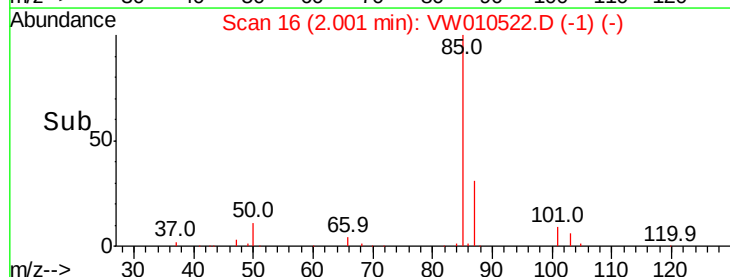
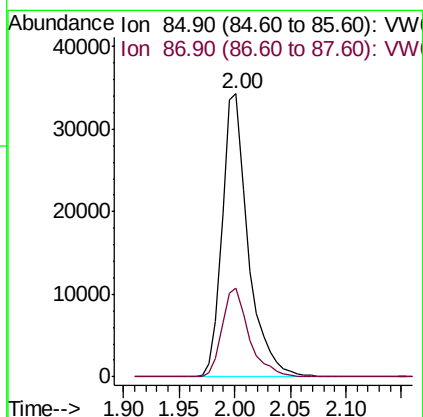
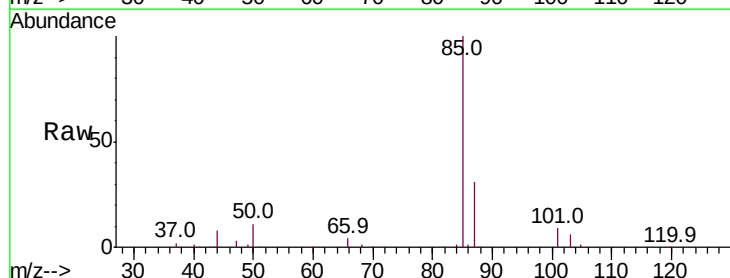
Acq: 22 May 2019 21:01

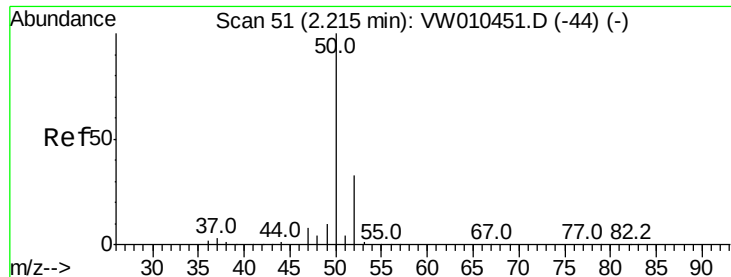
Tgt Ion: 85 Resp: 55323

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.8





#3

Chloromethane

Concen: 48.624 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion: 50 Resp: 63366

Ion Ratio Lower Upper

50 100

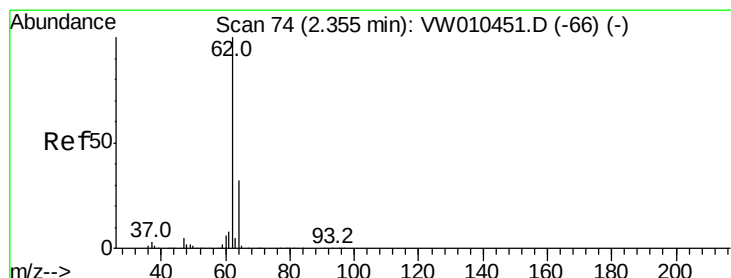
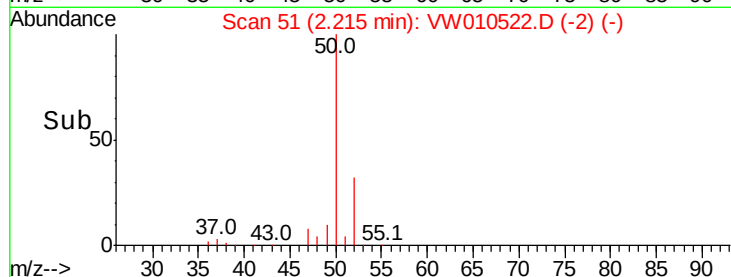
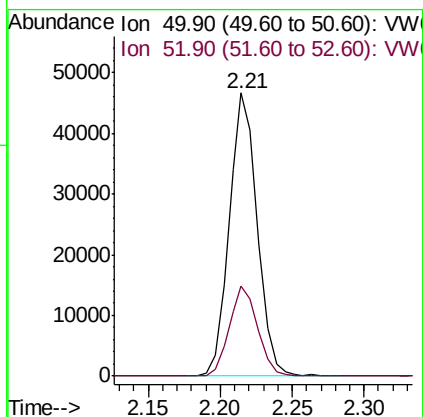
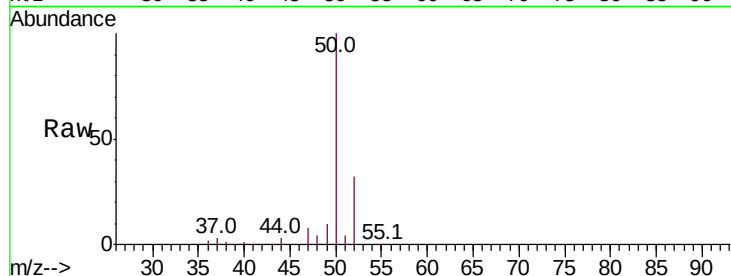
52 31.7 26.3 39.5

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#4

Vinyl Chloride

Concen: 44.649 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010522.D

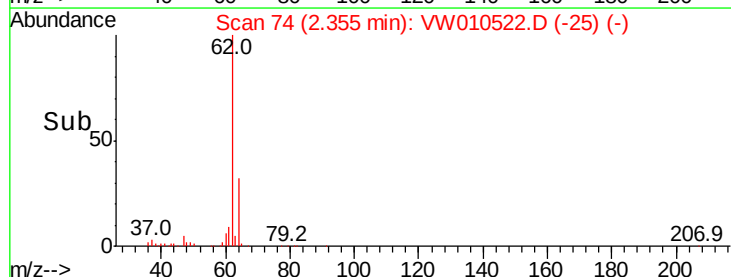
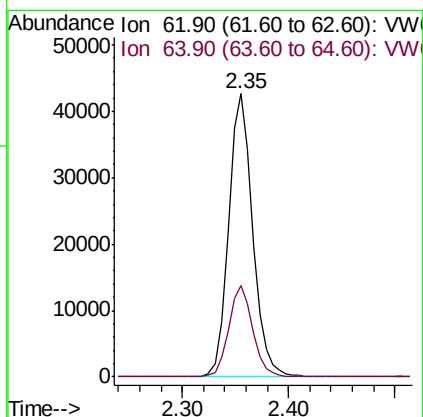
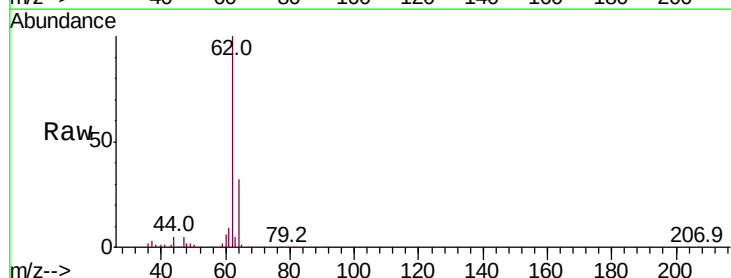
Acq: 22 May 2019 21:01

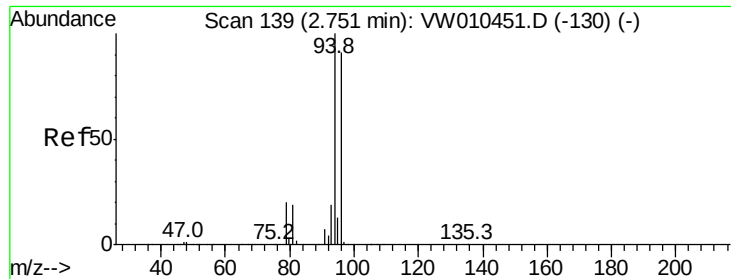
Tgt Ion: 62 Resp: 67398

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 48.435 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 50297

Ion Ratio Lower Upper

94 100

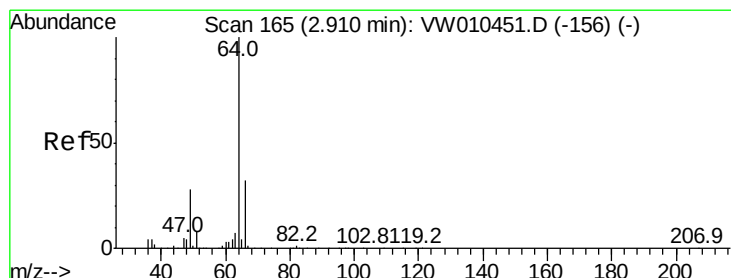
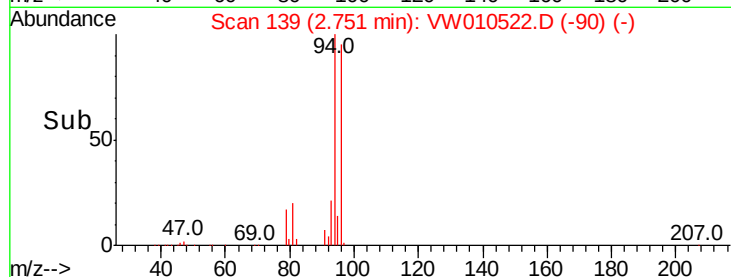
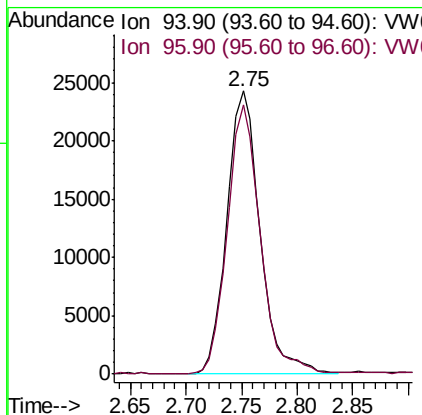
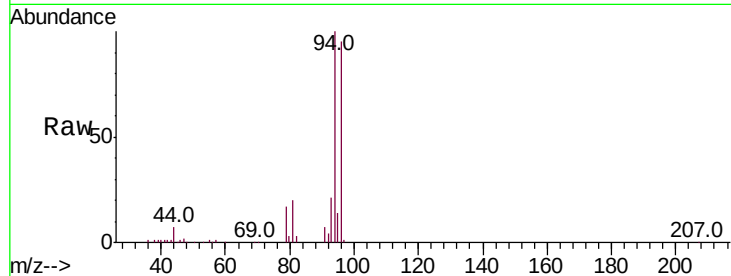
96 94.7 72.9 109.3

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#6

Chloroethane

Concen: 49.668 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010522.D

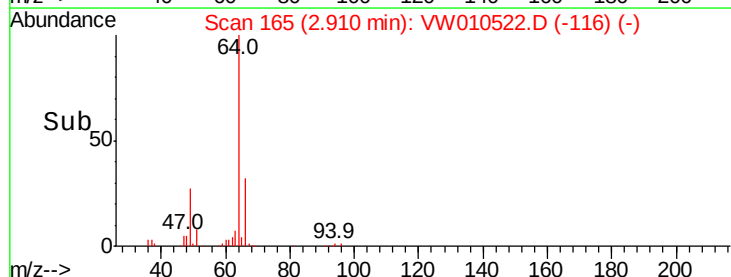
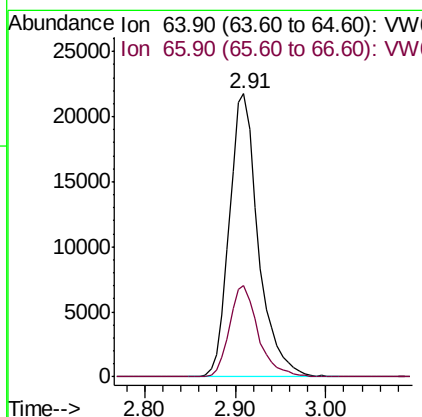
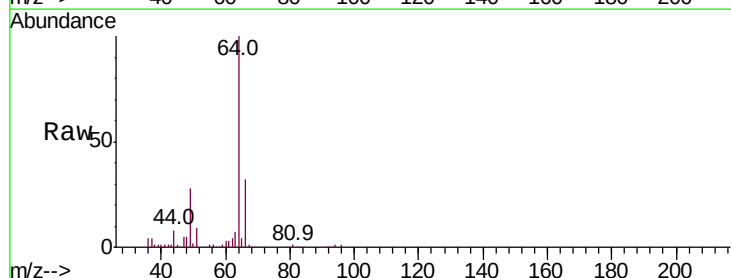
Acq: 22 May 2019 21:01

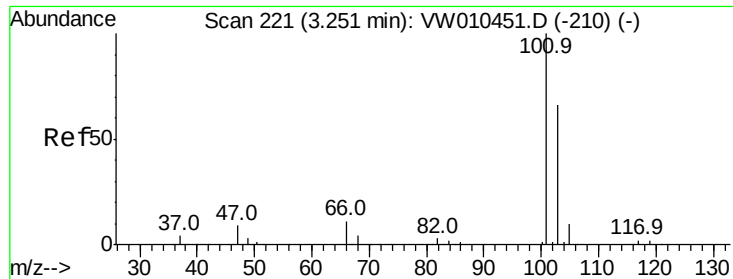
Tgt Ion: 64 Resp: 48128

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3





#7

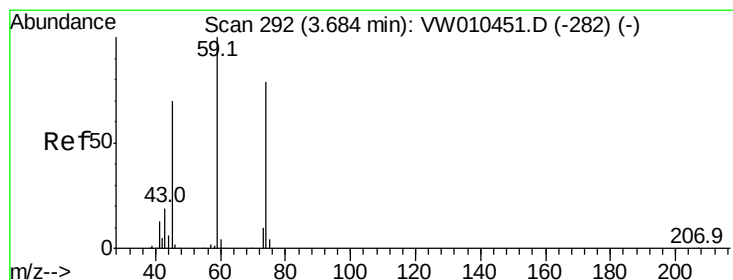
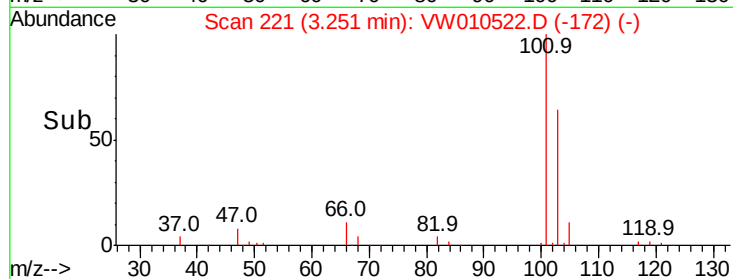
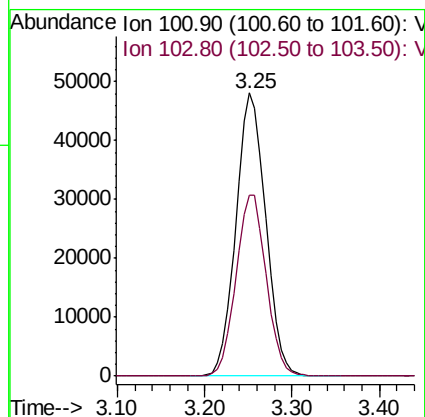
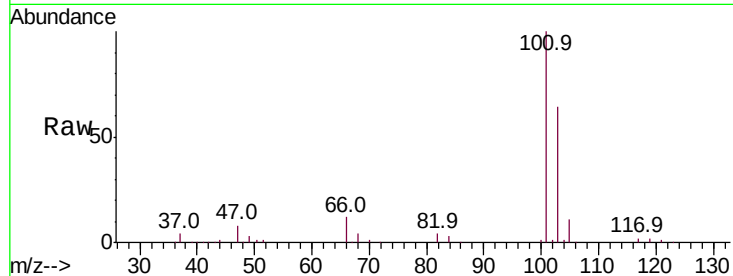
Trichlorofluoromethane
Concen: 51.059 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 113788
Ion Ratio Lower Upper
101 100
103 64.1 53.0 79.4

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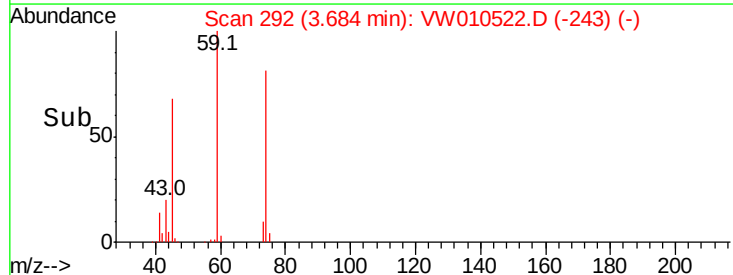
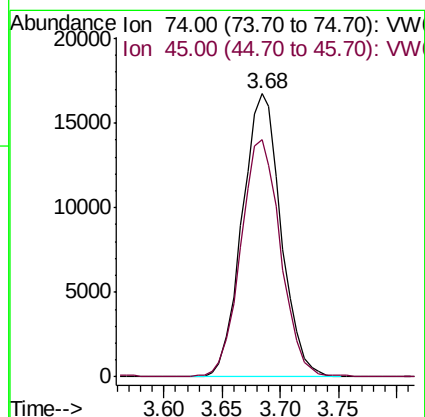
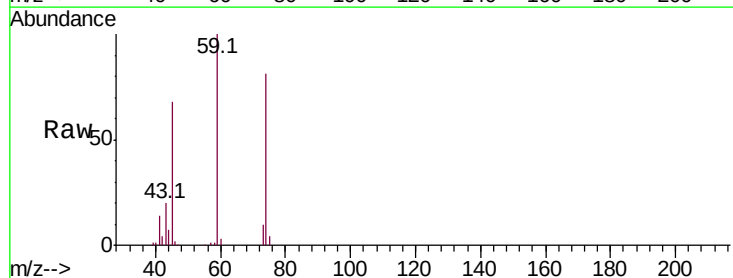
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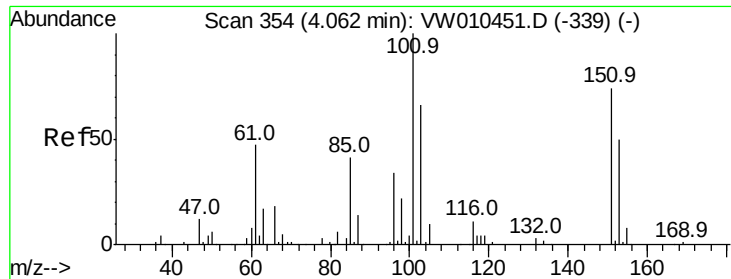


#8

Diethyl Ether
Concen: 55.073 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 74 Resp: 38906
Ion Ratio Lower Upper
74 100
45 85.8 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.458 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

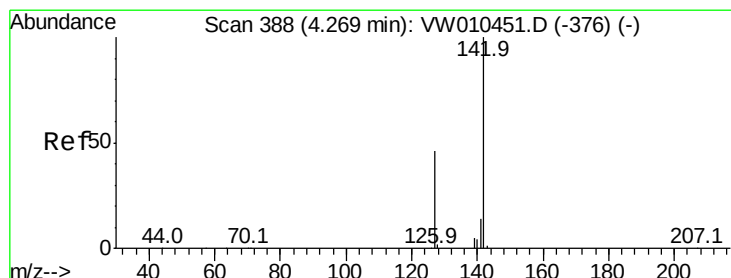
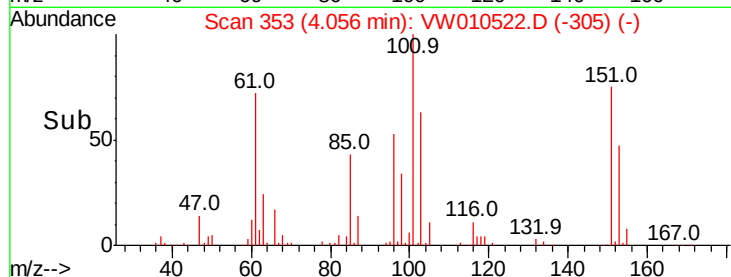
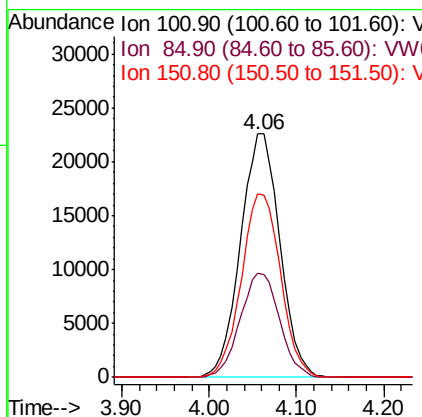
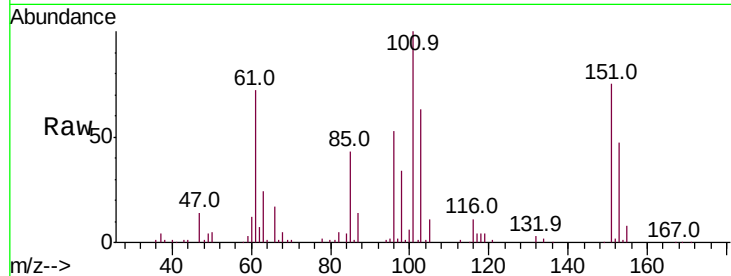
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	70623
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.3	51.5
151	75.1	60.3	90.5

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#10

Methyl Iodide

Concen: 50.694 ug/l

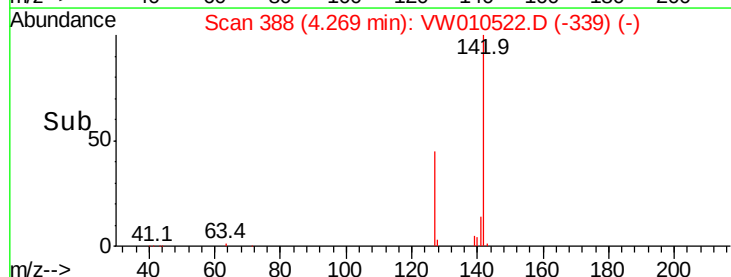
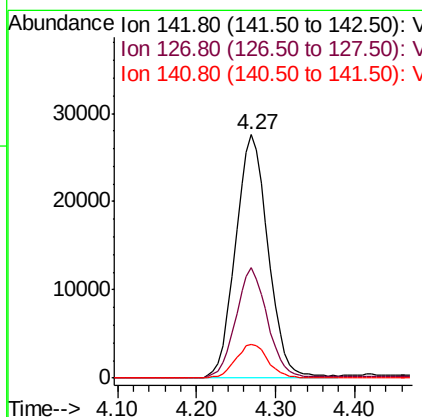
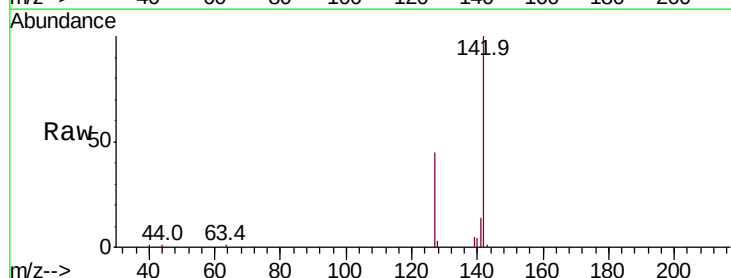
RT: 4.27 min Scan# 388

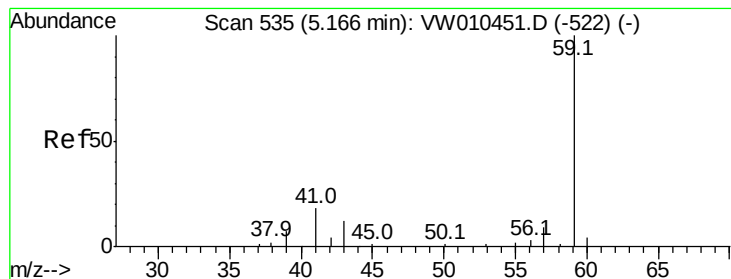
Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion:	142	Resp:	79523
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.1	54.1
141	13.8	11.3	16.9





#11

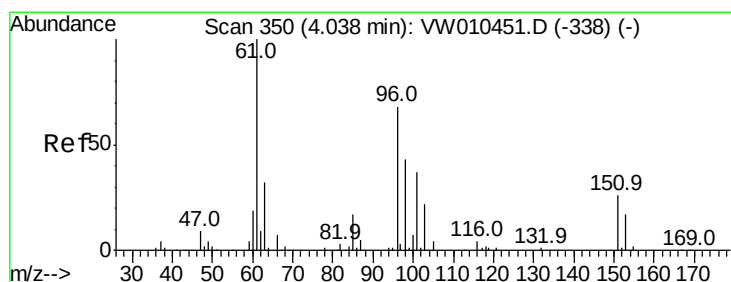
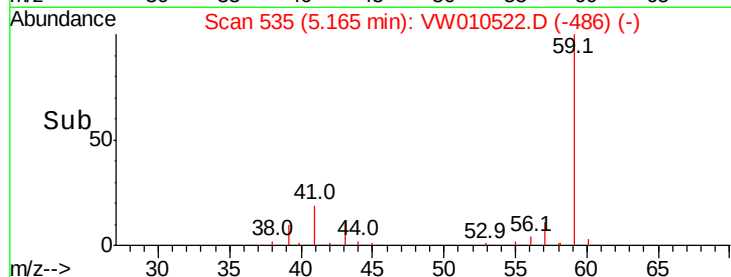
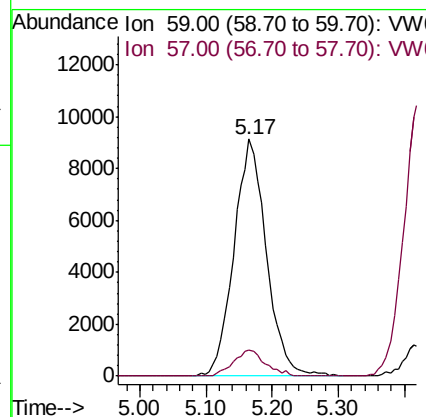
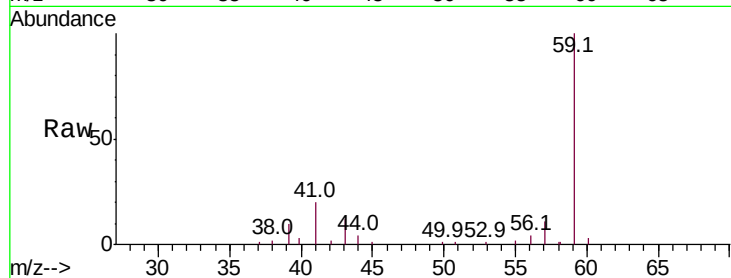
Tert butyl alcohol
 Concen: 268.699 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.8	13.2

Manual Integrations
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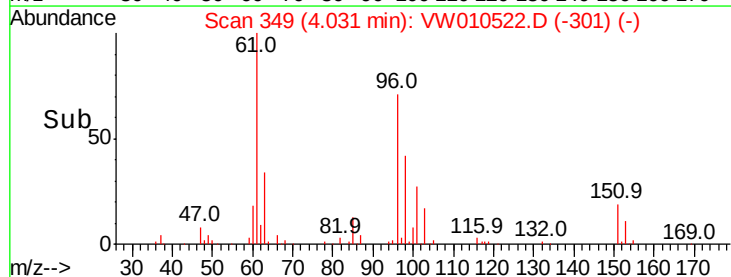
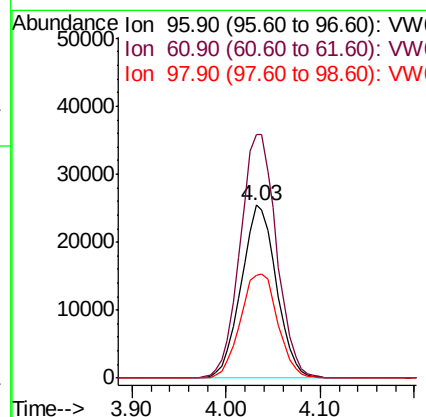
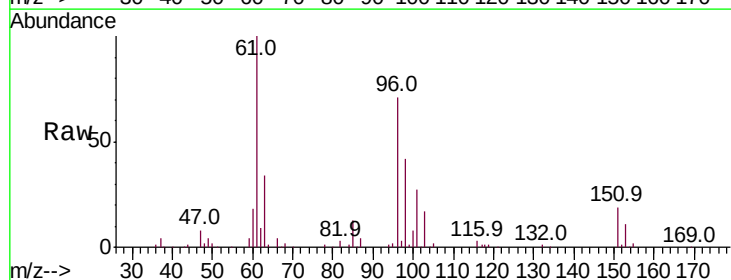
MMDadoda
 5/23/2019 11:41:56 AM

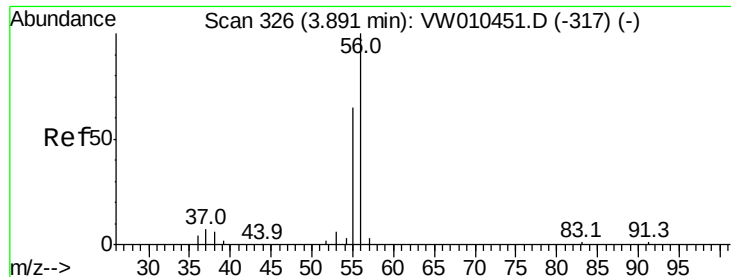


#12

1,1-Dichloroethene
 Concen: 50.795 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.9	118.3	177.5
98	59.6	51.0	76.6





#13

Acrolein

Concen: 247.236 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 16606

Ion Ratio Lower Upper

56 100

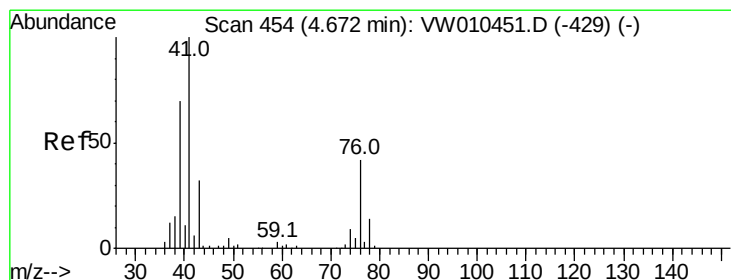
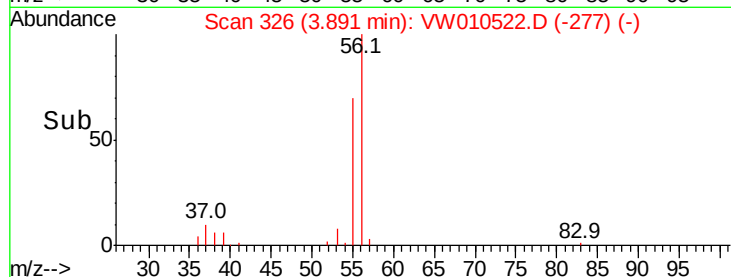
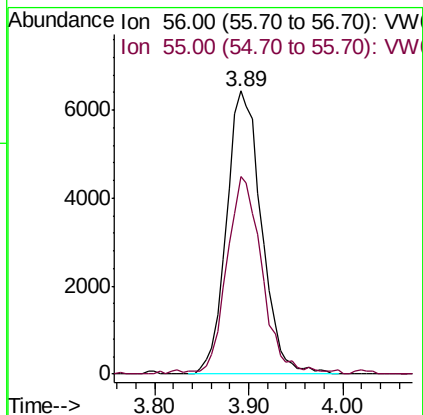
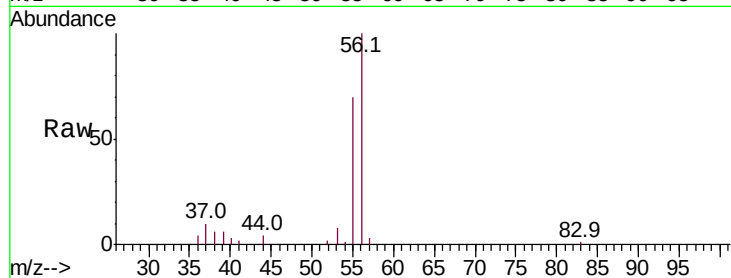
55 70.6 57.9 86.9

Manual Integrations

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#14

Allyl chloride

Concen: 51.612 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

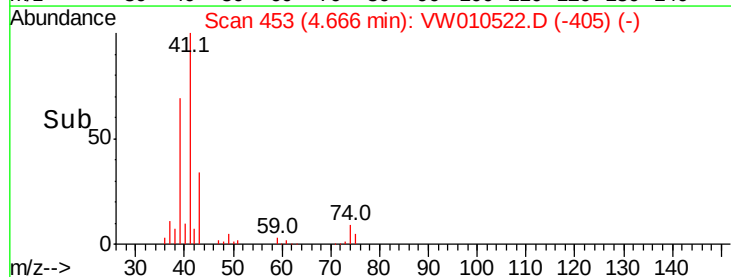
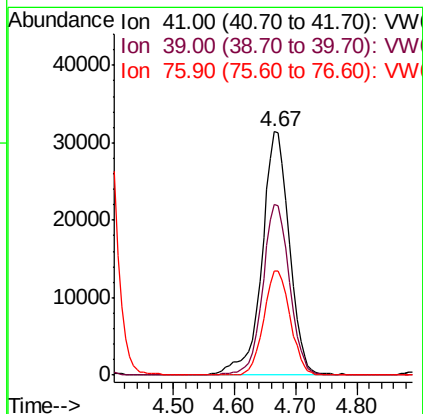
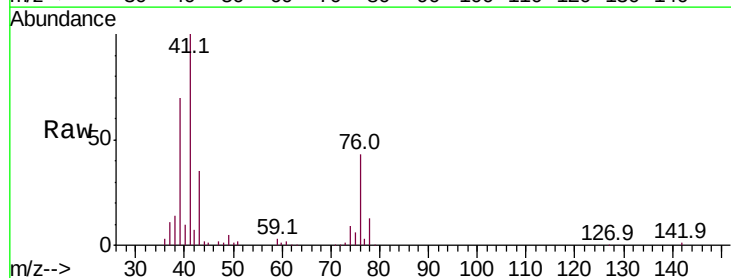
Tgt Ion: 41 Resp: 97876

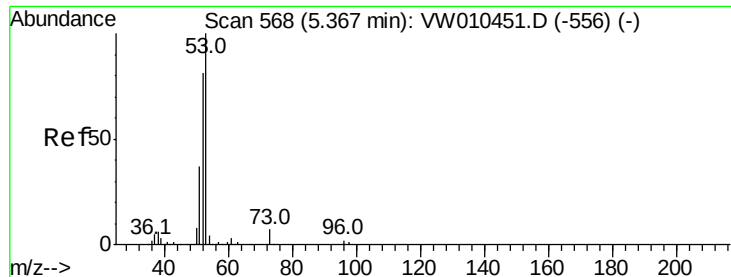
Ion Ratio Lower Upper

41 100

39 68.4 55.0 82.4

76 41.0 32.8 49.2





#15

Acrylonitrile

Concen: 273.227 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

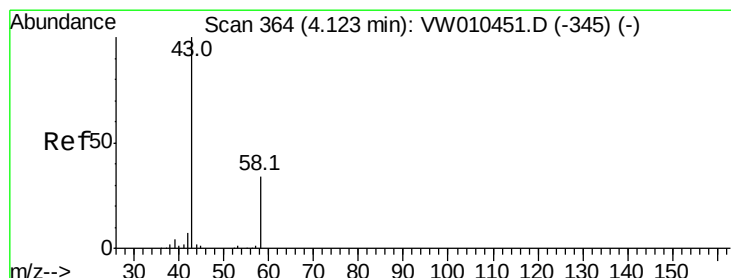
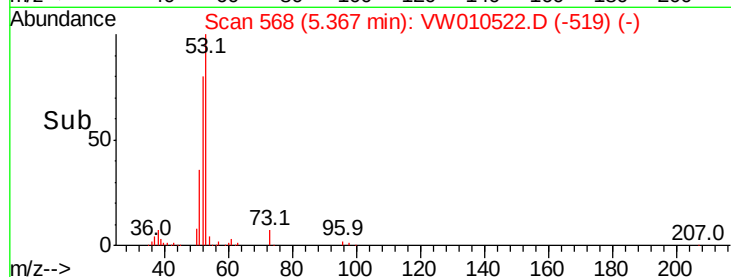
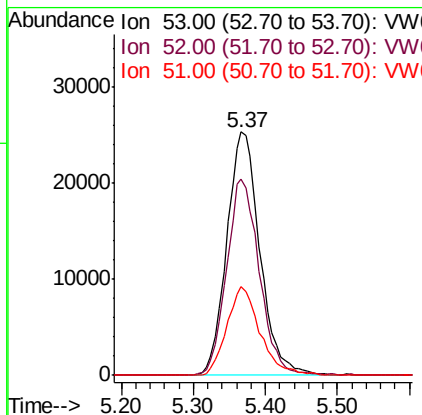
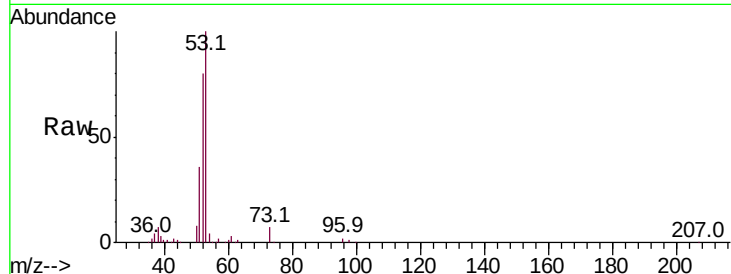
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	80836
Ion	Ratio	Lower	Upper
53	100		
52	79.5	65.6	98.4
51	36.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 240.730 ug/l

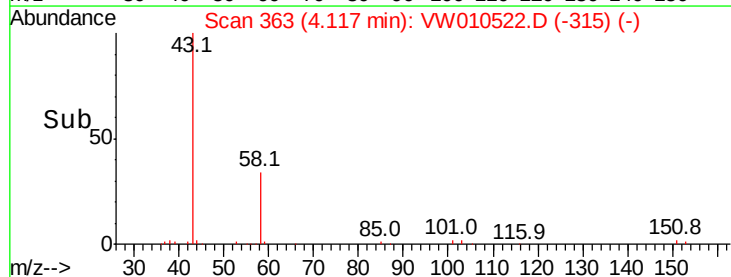
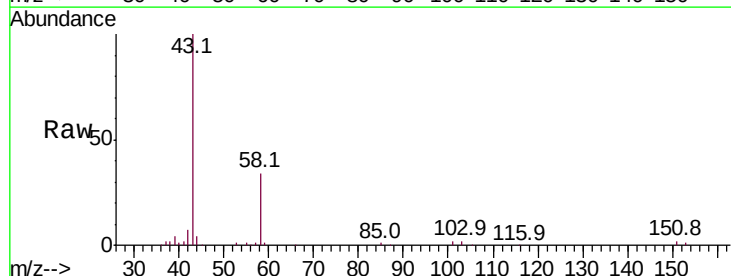
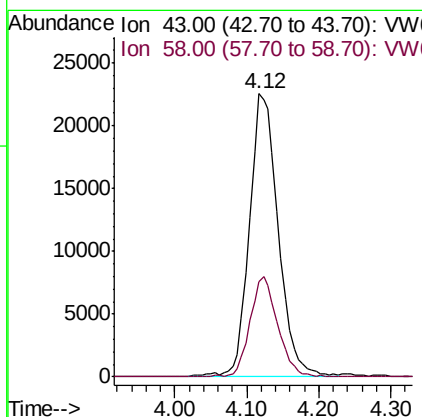
RT: 4.12 min Scan# 363

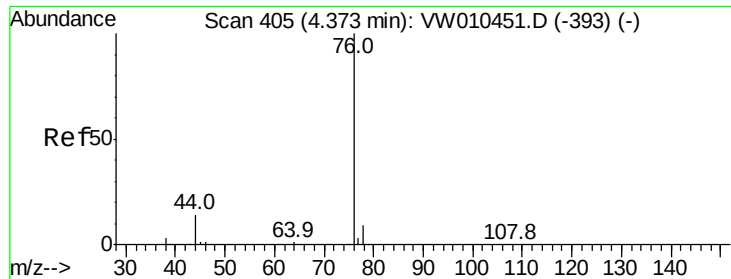
Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion:	43	Resp:	62908
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.0	40.4





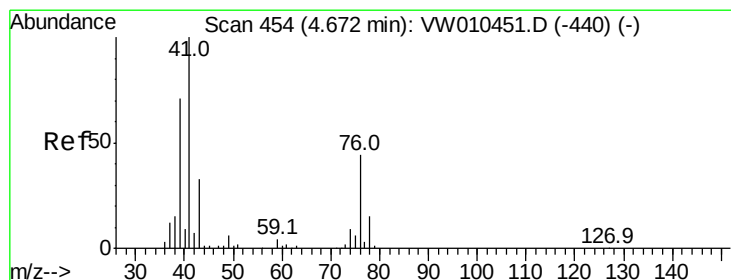
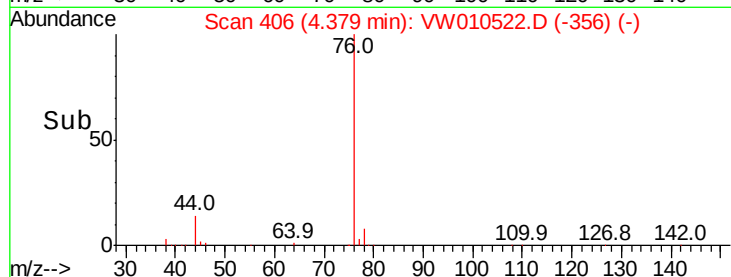
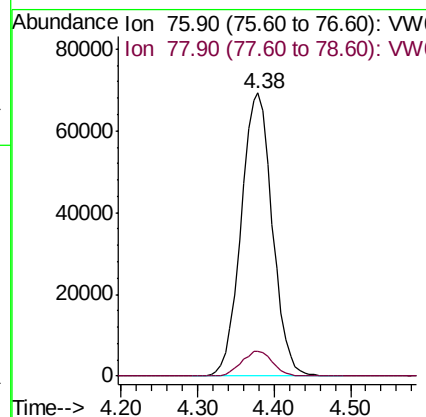
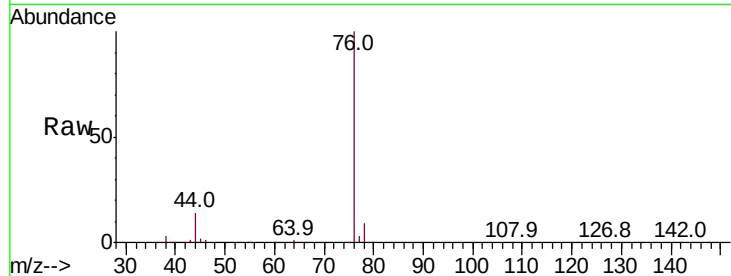
#17
Carbon Disulfide
Concen: 50.026 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

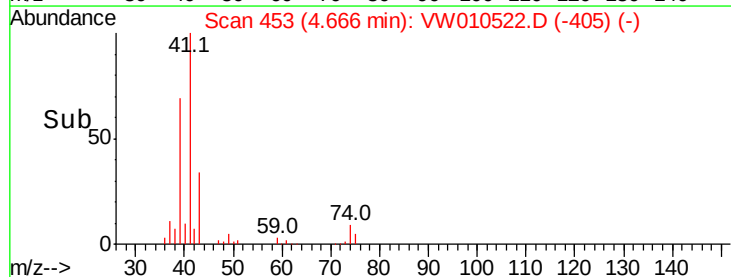
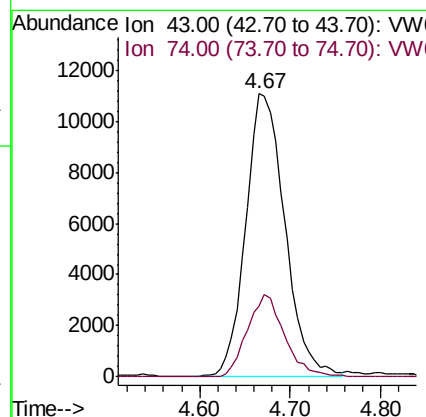
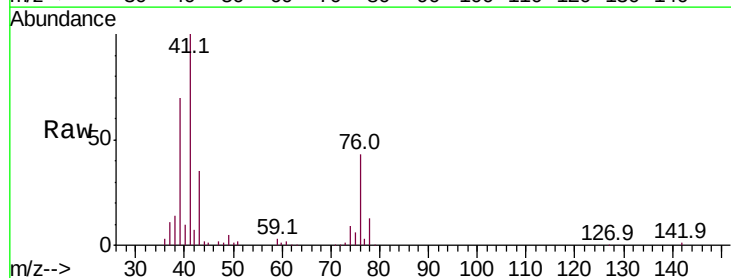
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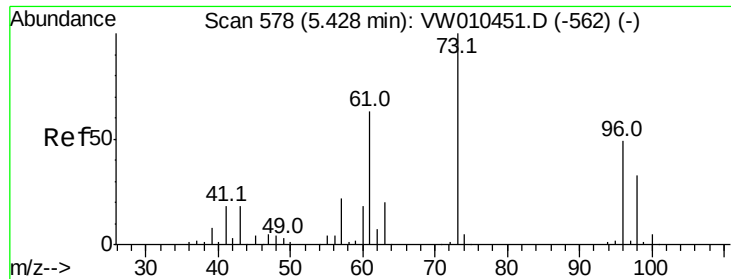
MMDadoda
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#18
Methyl Acetate
Concen: 51.918 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.5	21.6	32.4





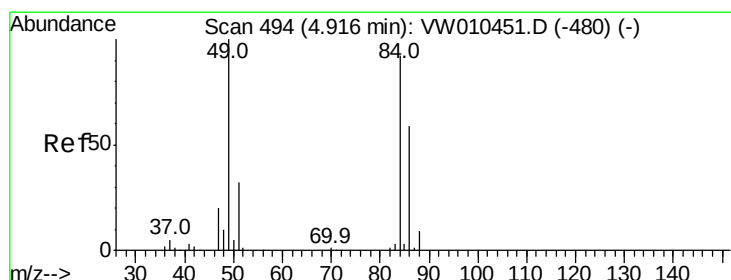
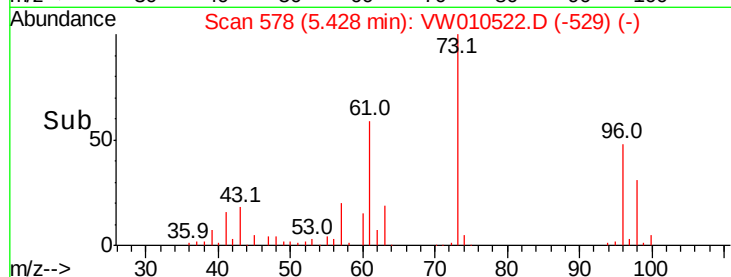
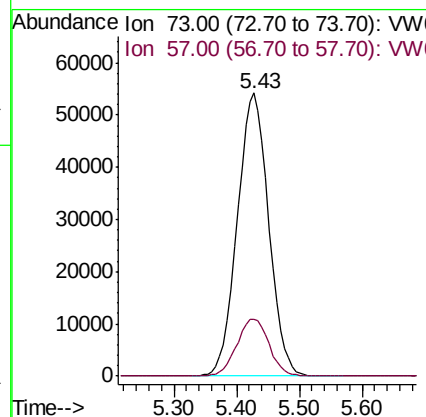
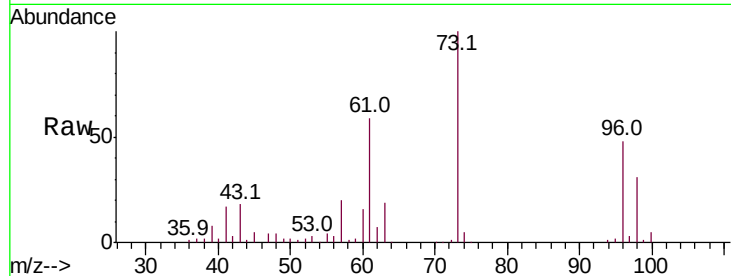
#19
Methyl tert-butyl Ether
Concen: 56.026 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.4	26.0

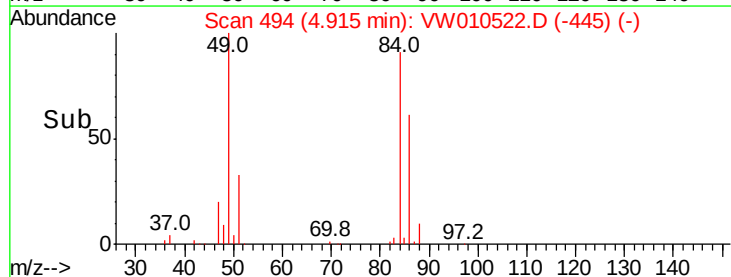
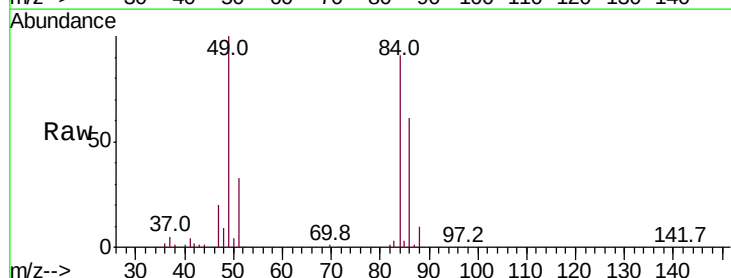
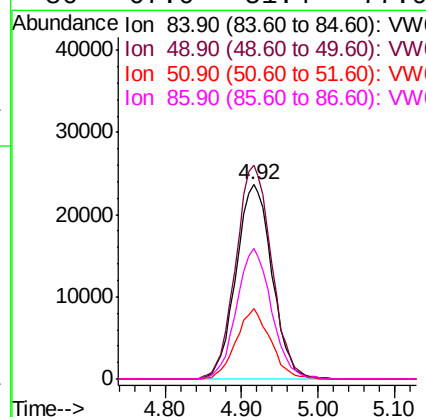
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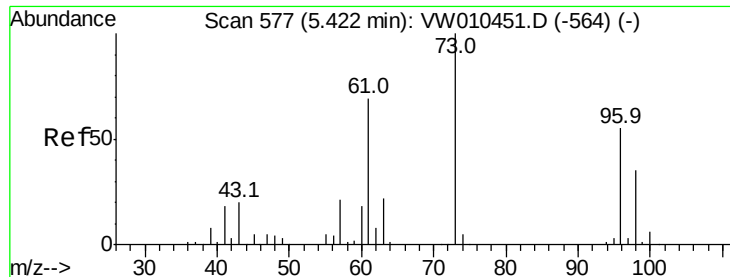
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#20
Methylene Chloride
Concen: 50.364 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.1	87.2	130.8
51	36.5	27.7	41.5
86	67.0	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 53.249 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 80018

Ion Ratio Lower Upper

96 100

61 126.9 101.4 152.0

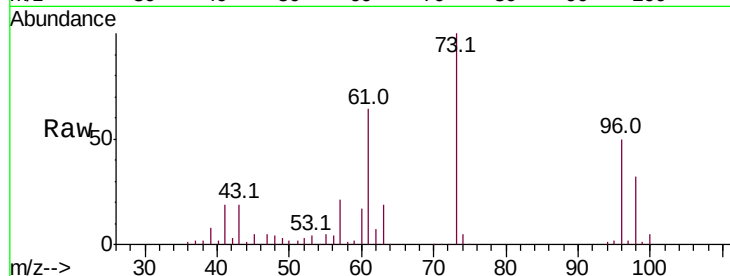
98 63.3 50.6 76.0

Manual Integrations

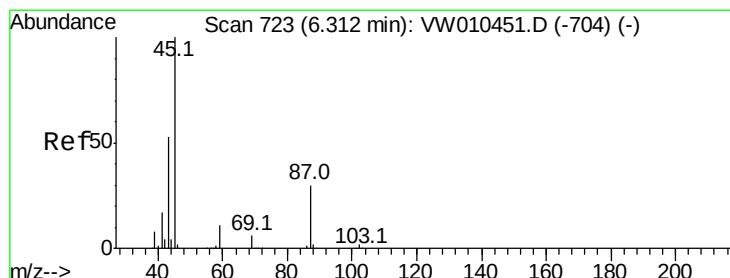
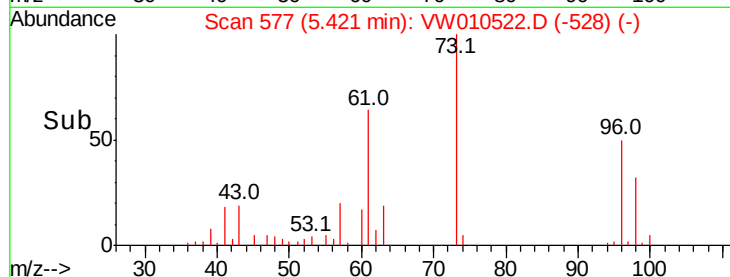
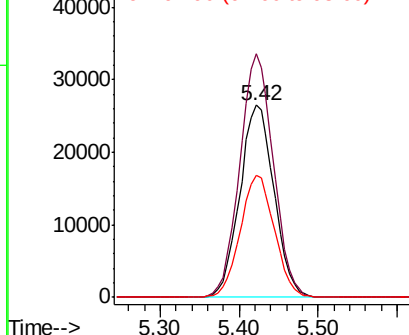
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 53.752 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion: 45 Resp: 209011

Ion Ratio Lower Upper

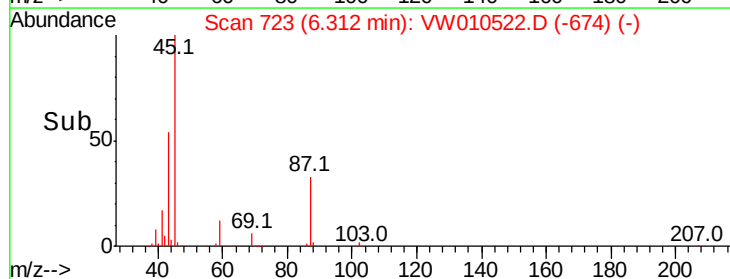
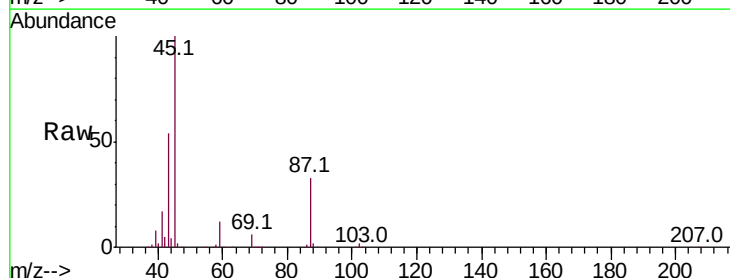
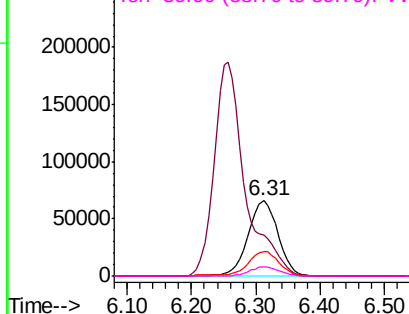
45 100

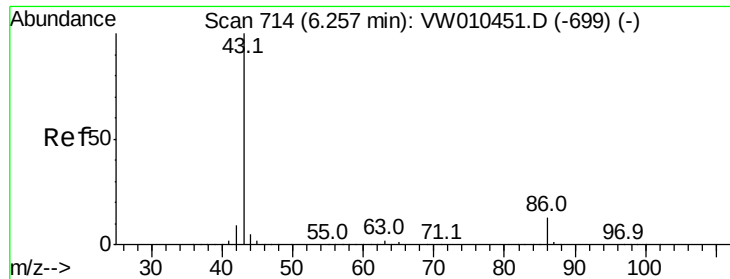
43 53.8 42.9 64.3

87 32.7 24.6 36.8

59 11.6 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 270.530 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 628369

Ion Ratio Lower Upper

43 100

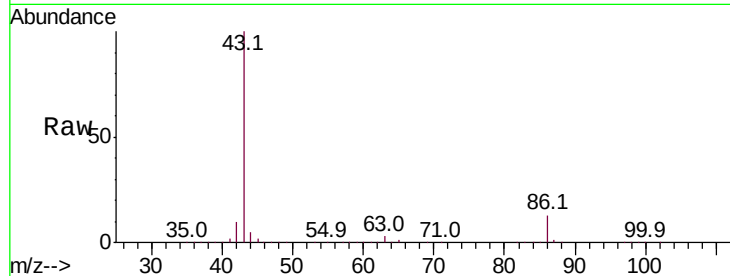
86 12.9 10.3 15.5

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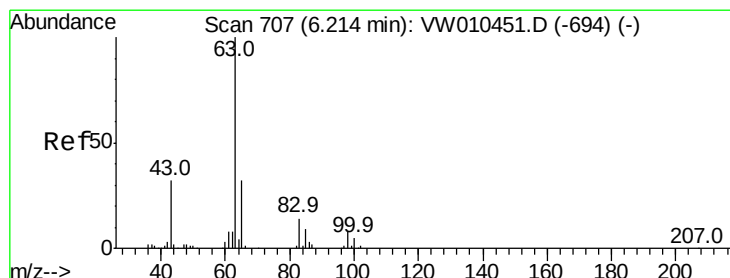
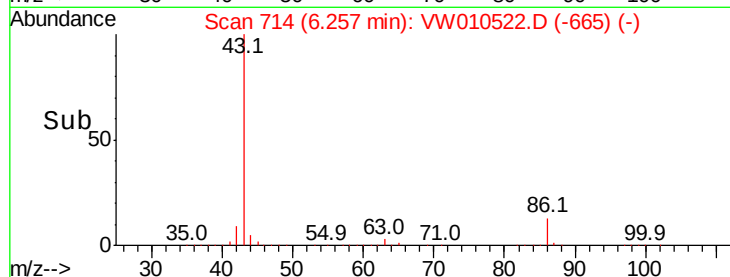
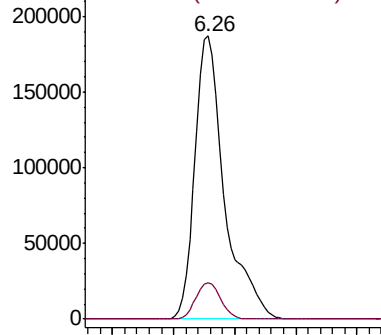
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.492 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

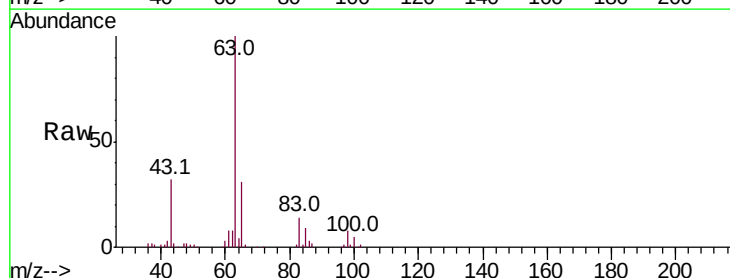
Tgt Ion: 63 Resp: 126445

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

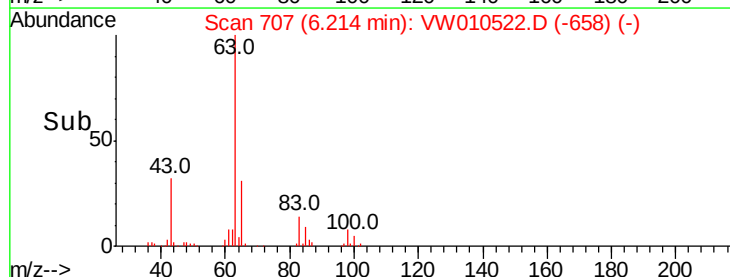
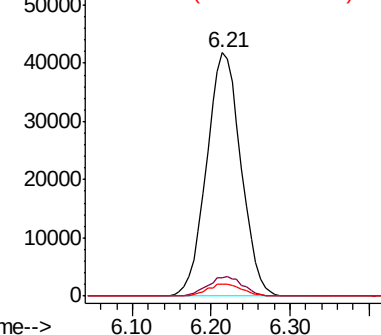
100 4.8 2.5 7.4

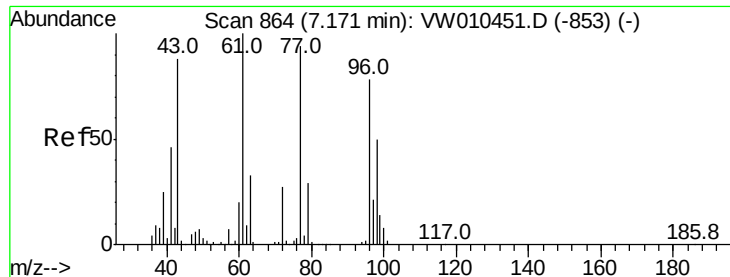


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 263.777 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 98646

Ion Ratio Lower Upper

43 100

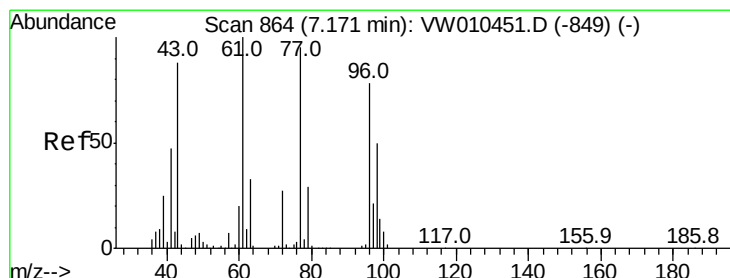
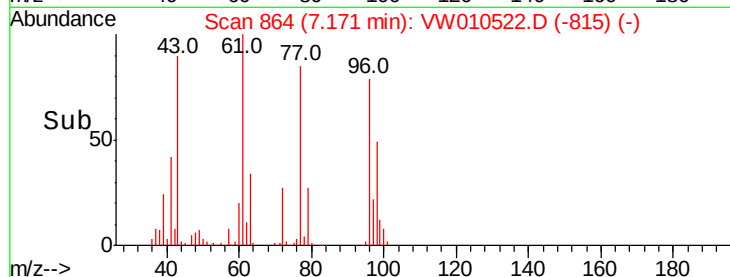
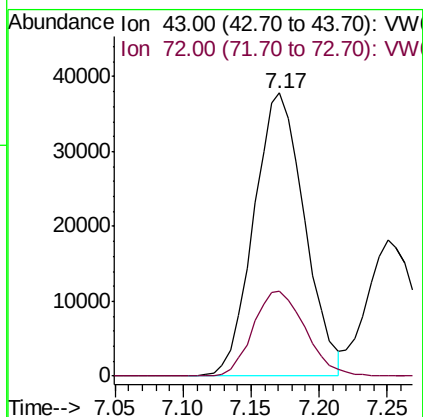
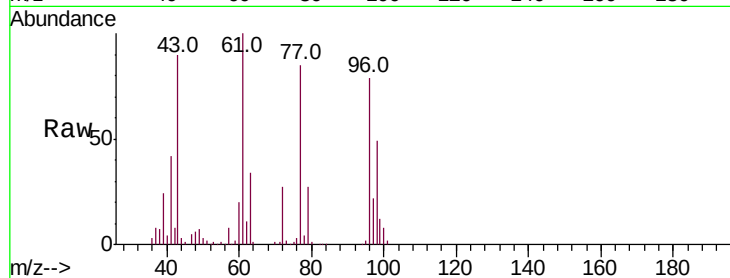
72 30.2 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.319 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010522.D

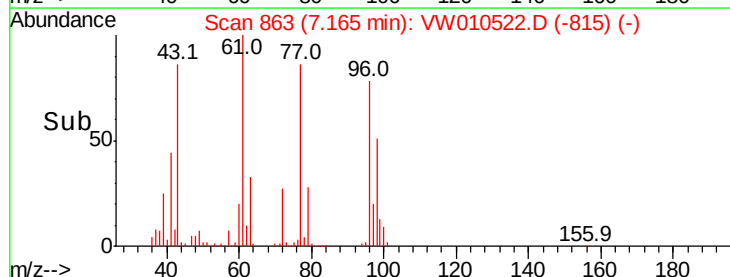
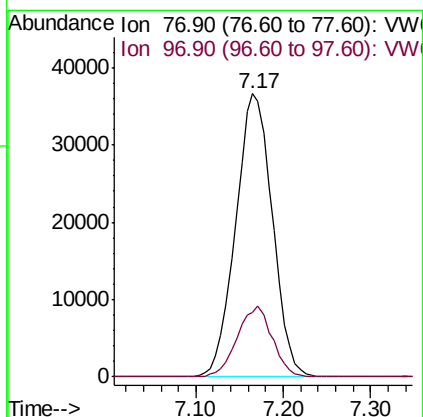
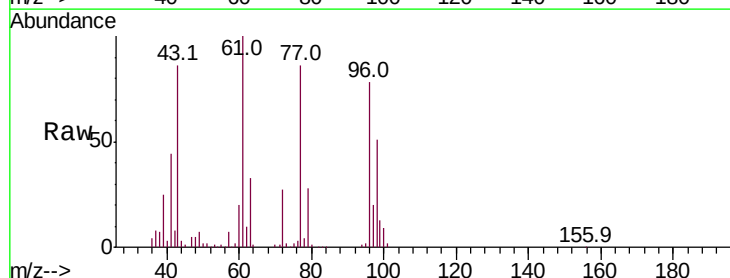
Acq: 22 May 2019 21:01

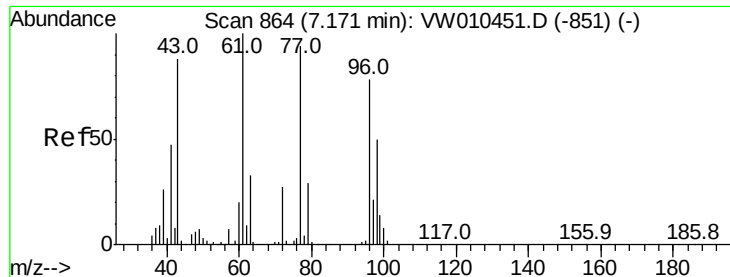
Tgt Ion: 77 Resp: 106802

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

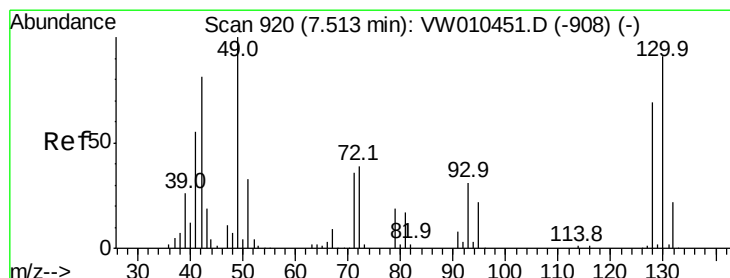
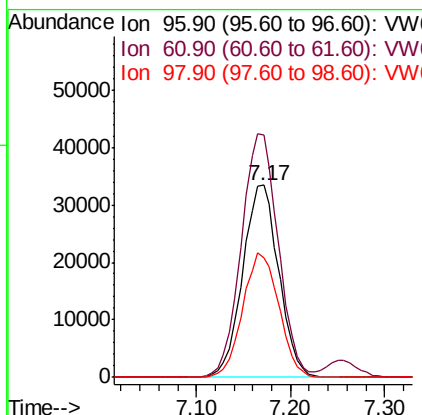
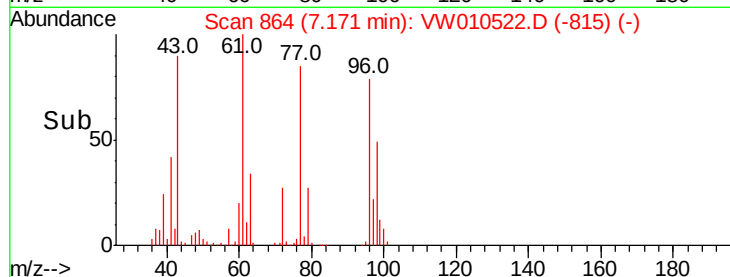
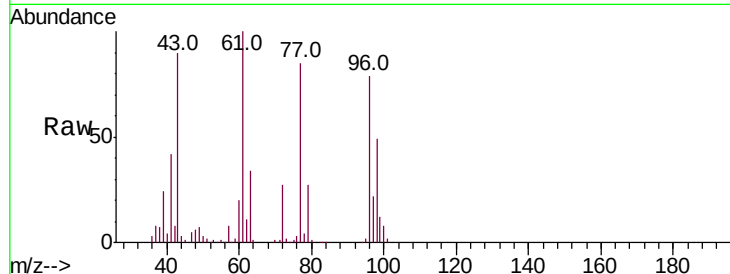
cis-1,2-Dichloroethene
Concen: 55.021 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.6	0.0	265.4
98	64.8	0.0	129.4

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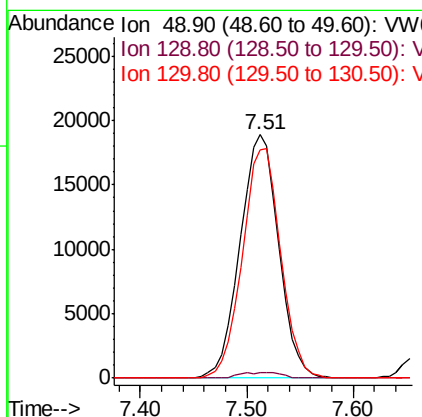
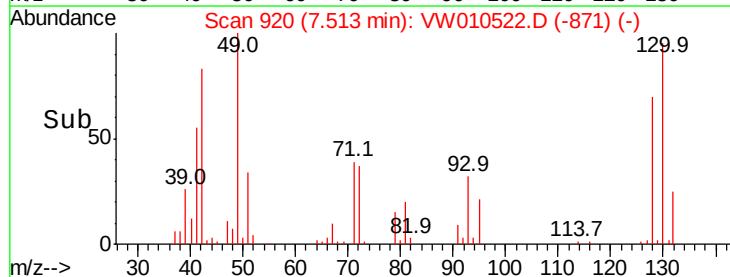
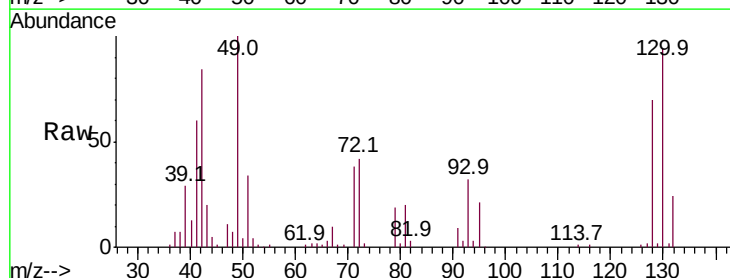
MMDadoda
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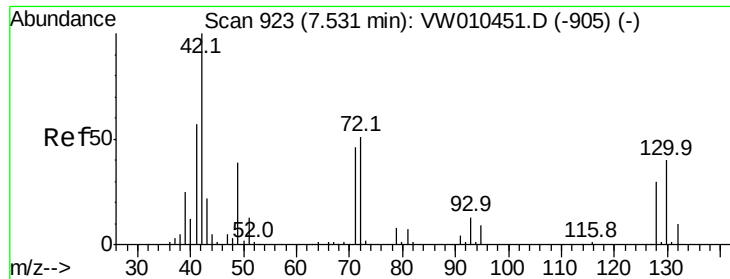


#28

Bromochloromethane
Concen: 57.883 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	93.4	71.2	106.8





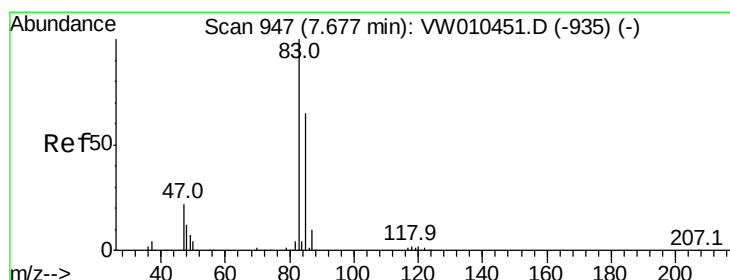
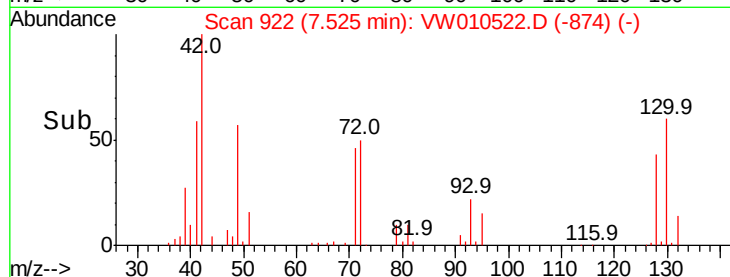
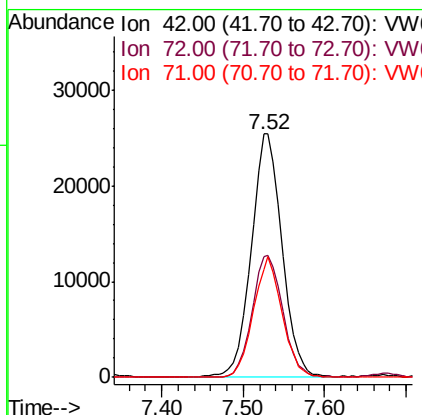
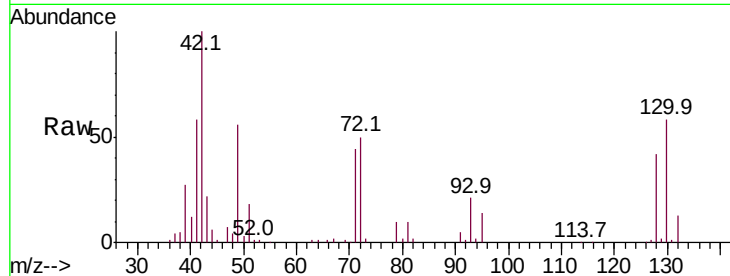
#29
Tetrahydrofuran
Concen: 265.241 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	38.5	57.7
71	46.1	36.5	54.7

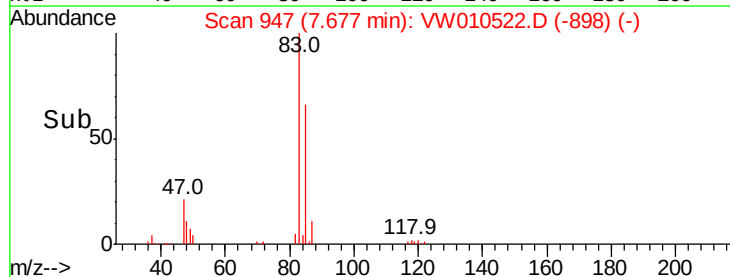
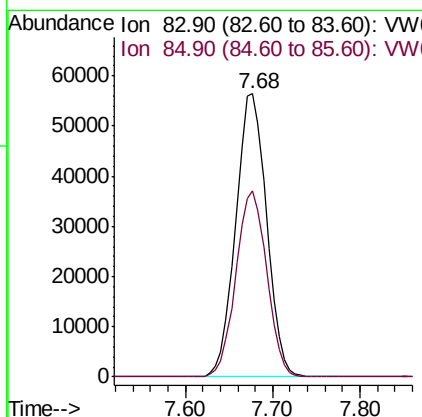
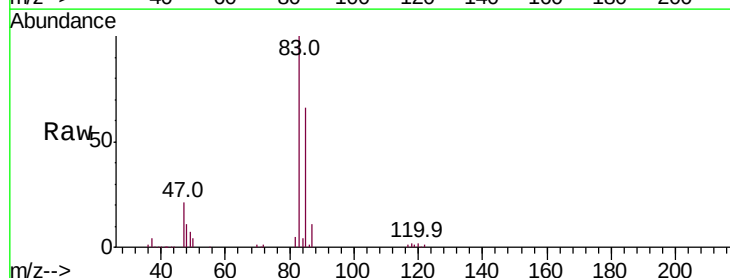
Manual Integrations
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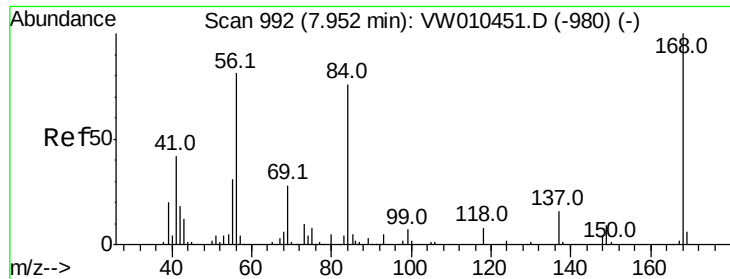
MMDadoda
5/23/2019 11:41:56 AM



#30
Chloroform
Concen: 55.322 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.4





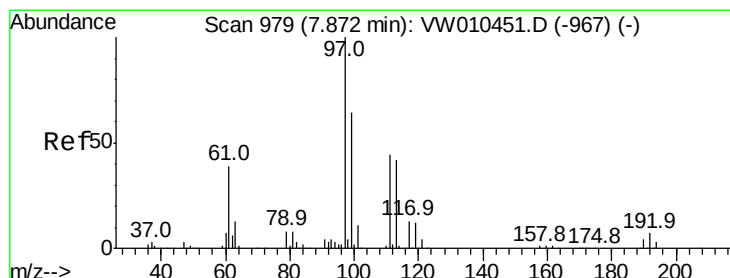
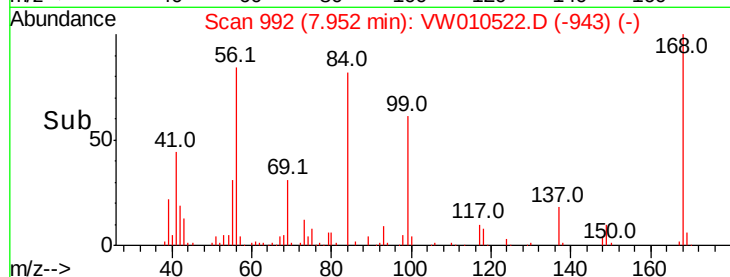
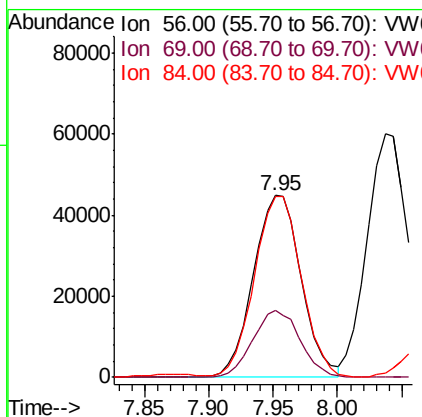
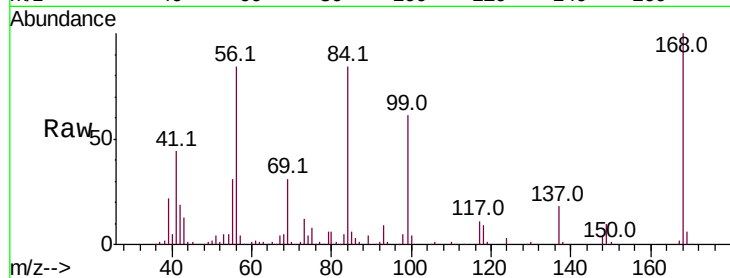
#31
Cyclohexane
Concen: 47.518 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	28.2	42.2
84	98.2	75.8	113.8

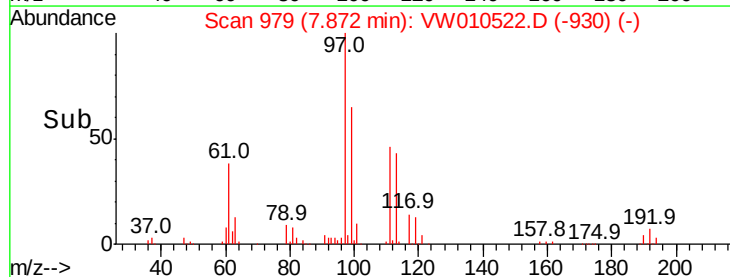
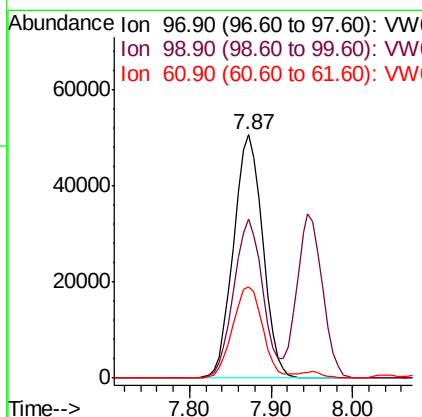
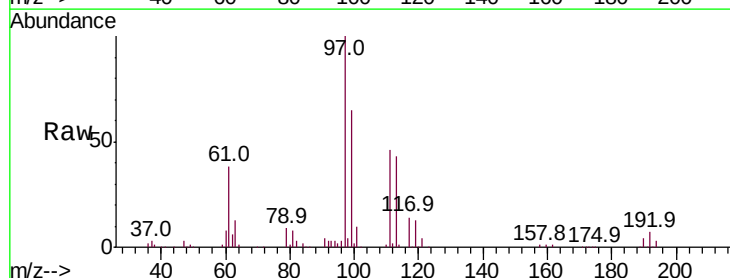
Manual Integrations
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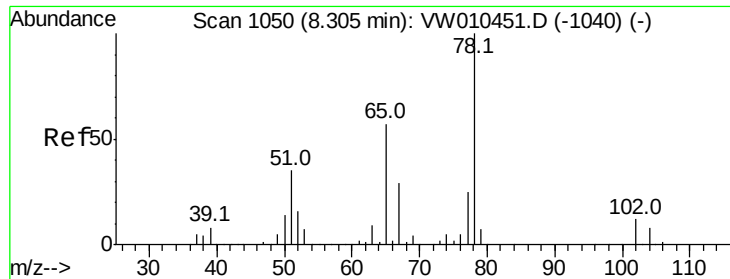
MMDadoda
5/23/2019 11:41:56 AM



#32
1,1,1-Trichloroethane
Concen: 52.357 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	38.5	32.1	48.1





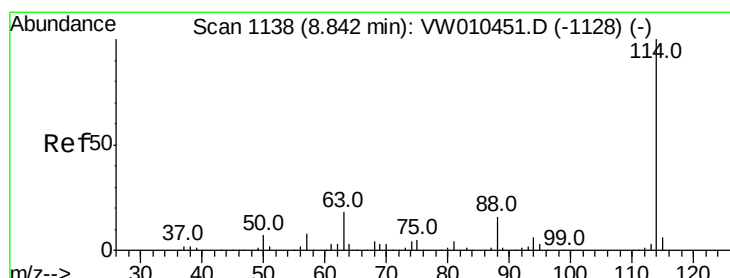
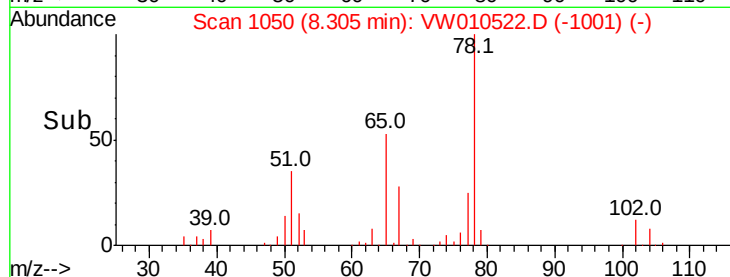
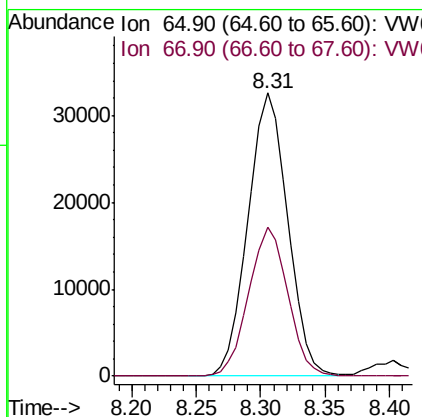
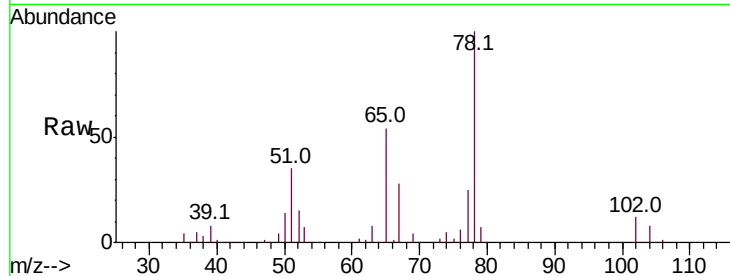
#33
 1,2-Dichloroethane-d4
 Concen: 54.381 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	69620		
67	51.8	0.0	103.6	

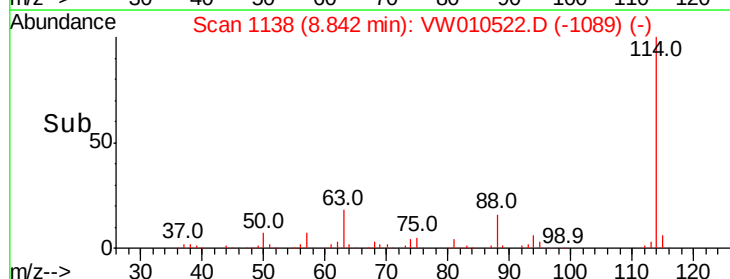
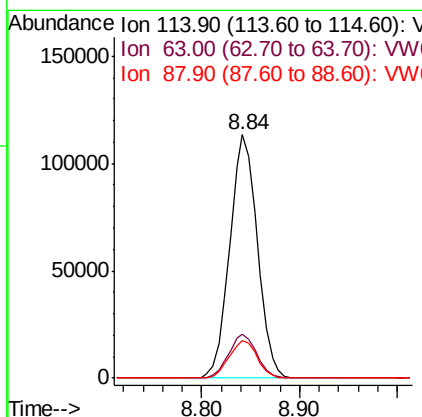
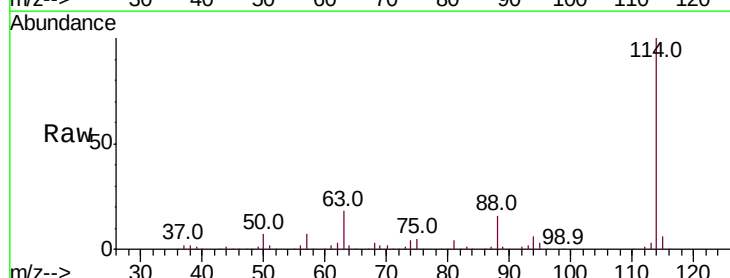
Manual Integrations
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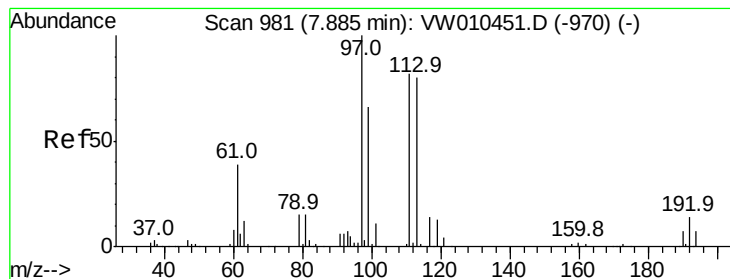
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	221911		
63	18.0	0.0	36.0	
88	15.6	0.0	32.0	





#35

Dibromofluoromethane

Concen: 52.768 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 71053

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

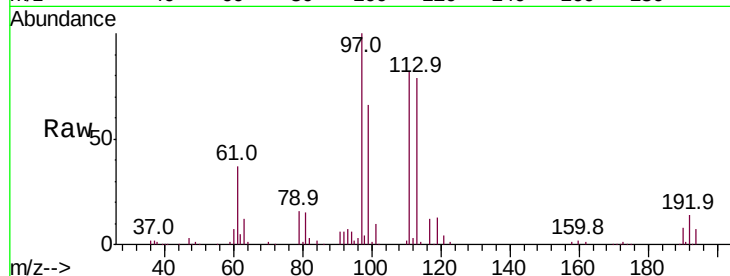
192 17.8 14.3 21.5

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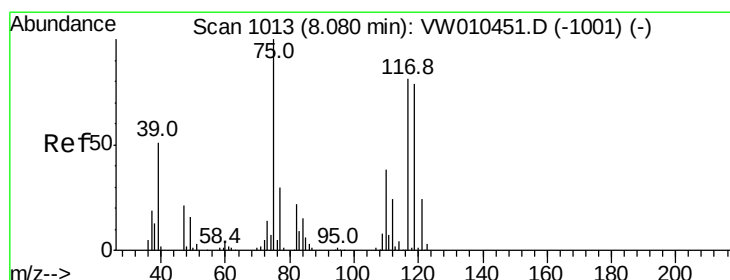
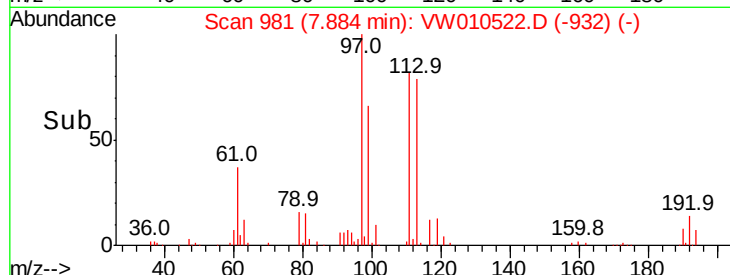
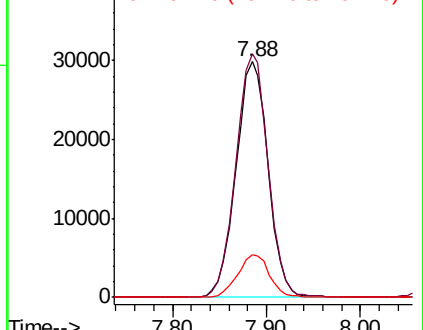


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.946 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

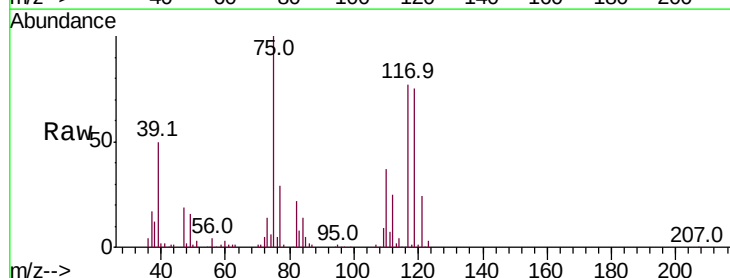
Tgt Ion: 75 Resp: 103248

Ion Ratio Lower Upper

75 100

110 38.6 19.2 57.6

77 31.1 25.2 37.8

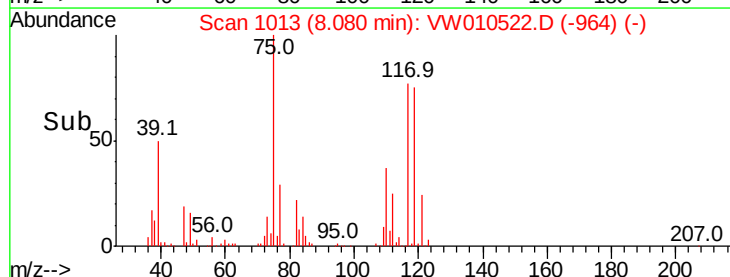
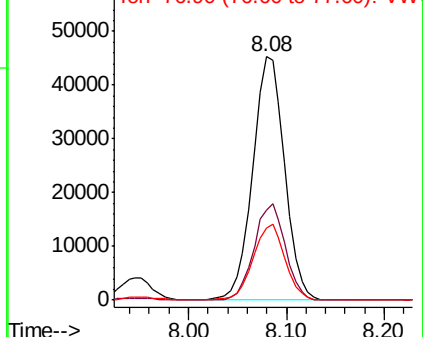


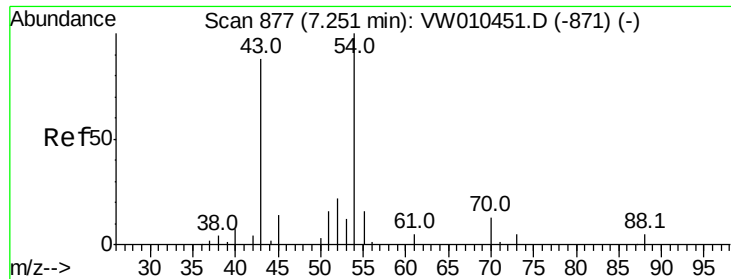
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 52.916 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

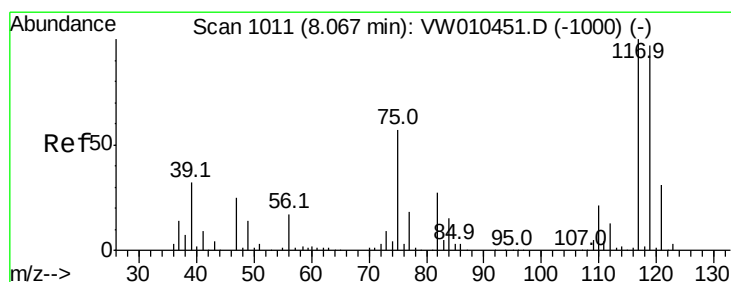
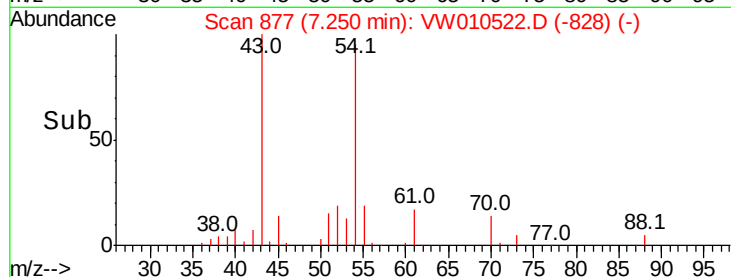
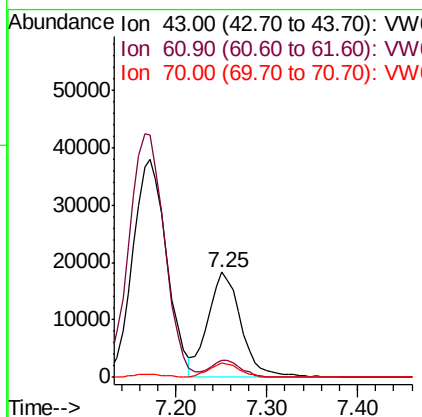
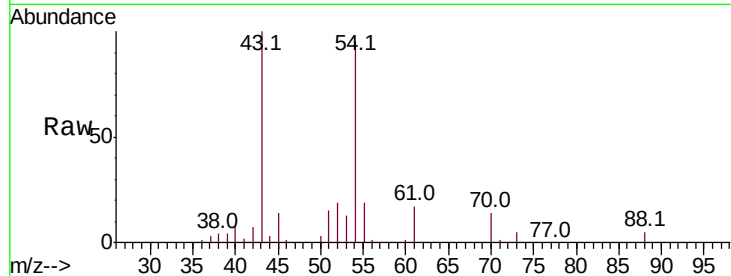
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	46517
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.2	16.8
70	13.1	9.9	14.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.138 ug/l

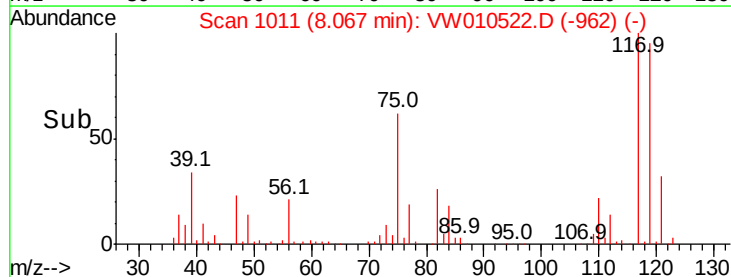
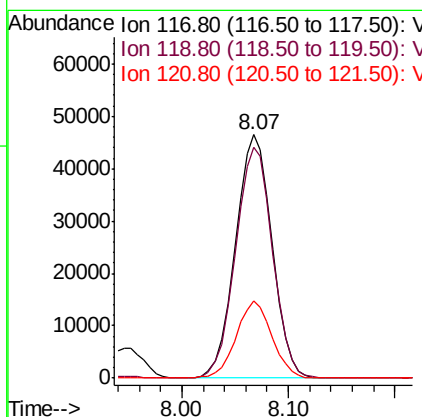
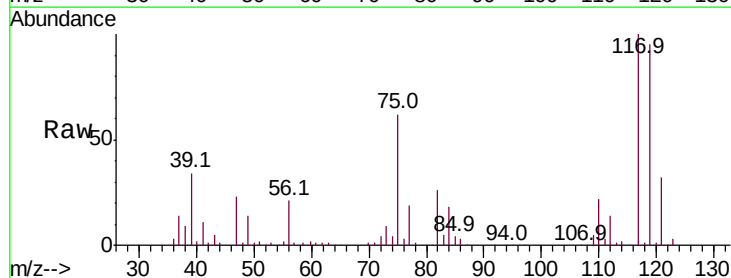
RT: 8.07 min Scan# 1011

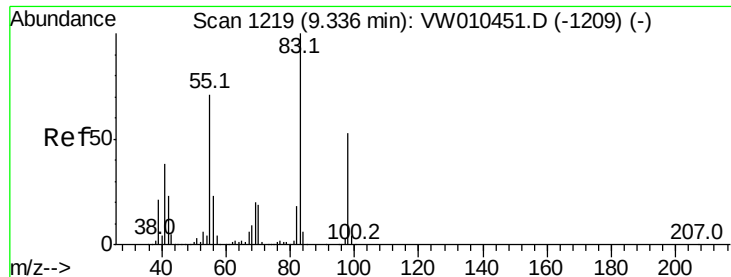
Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion:	117	Resp:	111808
Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.4	116.0
121	31.7	25.0	37.6





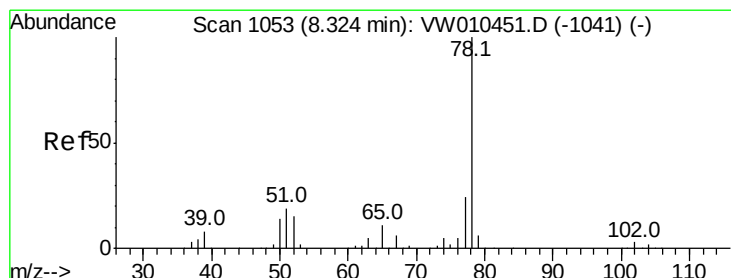
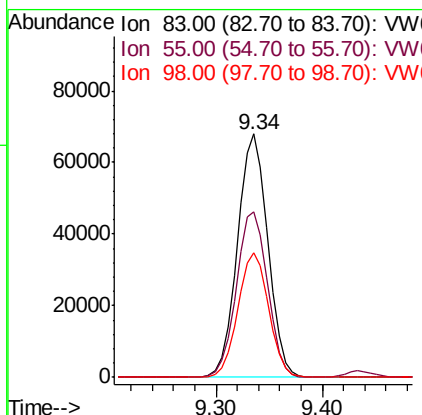
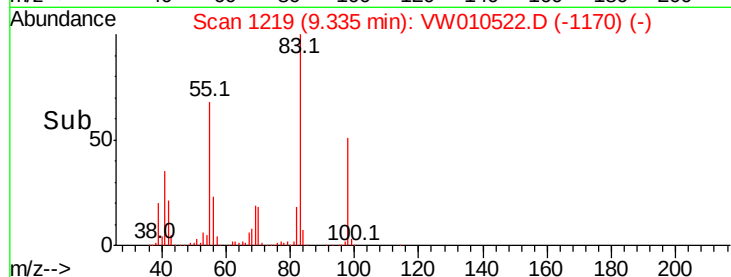
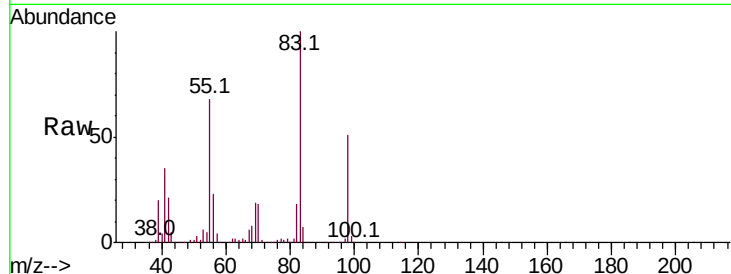
#39
Methylvlcyclohexane
Concen: 49.123 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.2	57.0	85.6
98	51.3	42.0	63.0

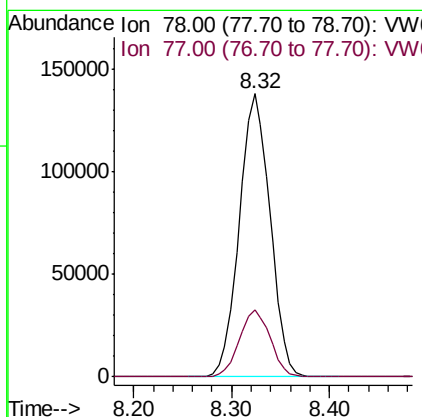
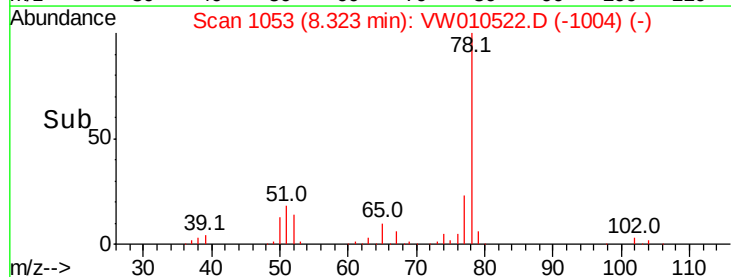
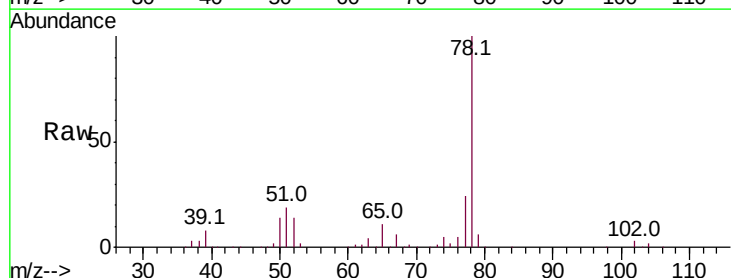
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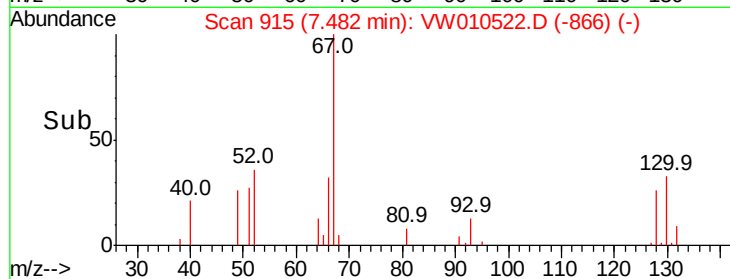
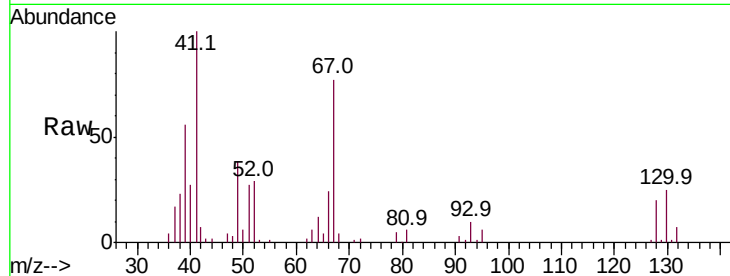
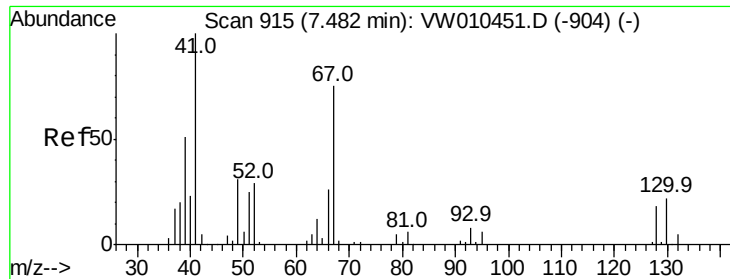
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#40
Benzene
Concen: 52.503 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





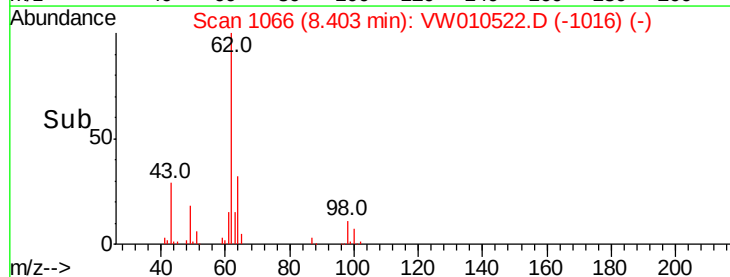
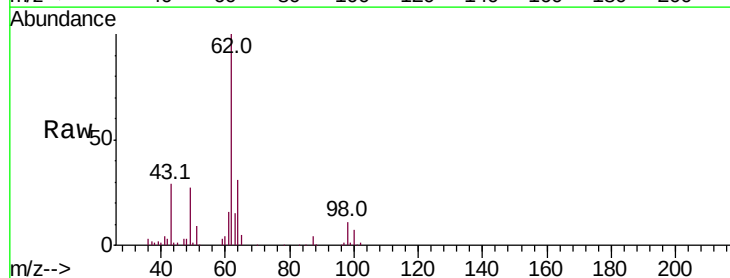
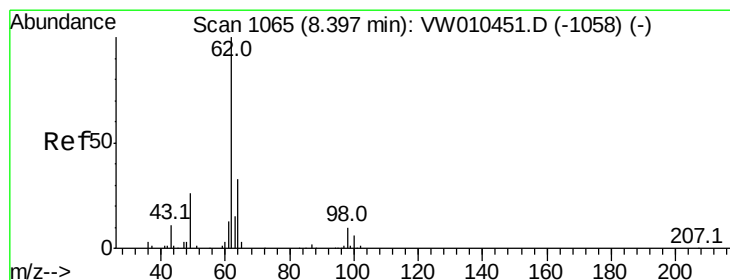
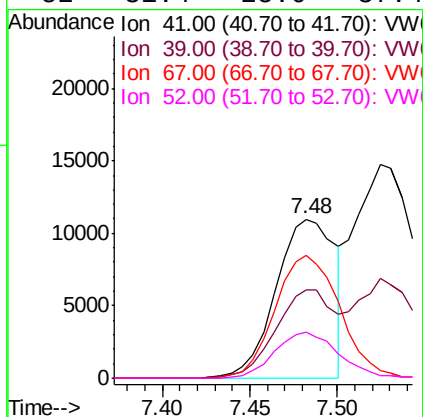
#41
Methacrylonitrile
Concen: 49.875 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tot Ion	41	Resp	26051
Ion Ratio	100	Lower	Upper
41	100		
39	54.5	47.4	71.2
67	84.3	65.5	98.3
52	31.4	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

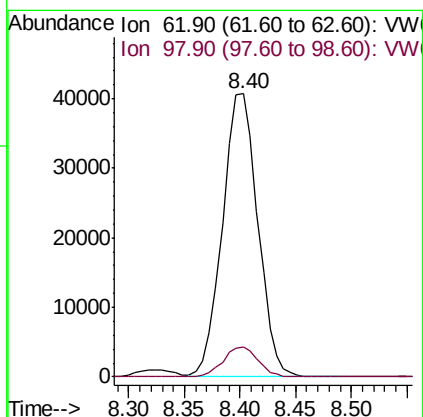
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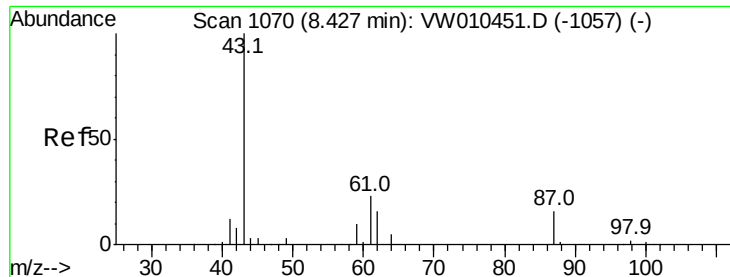
MMDadoda
5/23/2019 11:41:56 AM



#42
1,2-Dichloroethane
Concen: 54.562 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	62	Resp	89600
Ion Ratio	100	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 51.803 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

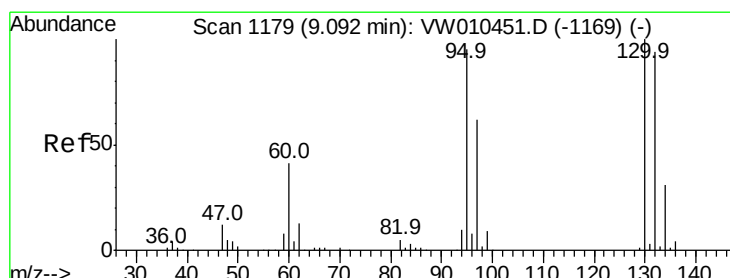
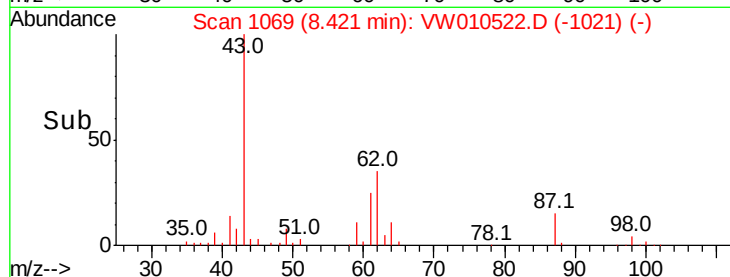
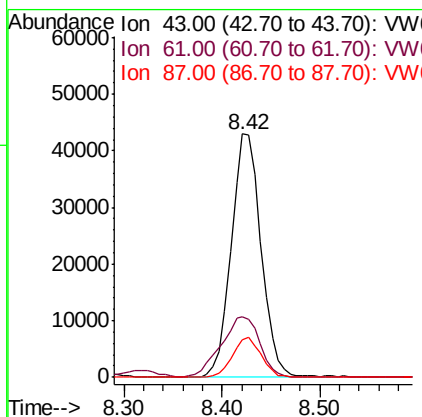
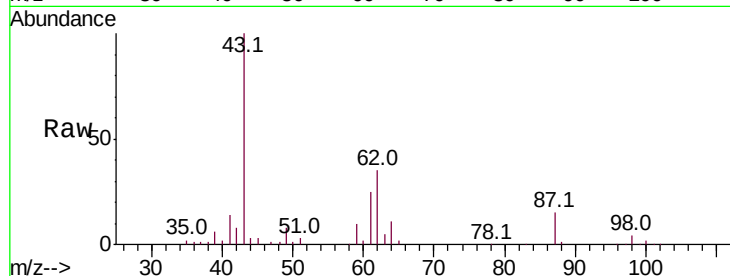
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	90977
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.4	38.2
87	15.6	12.7	19.1

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#44

Trichloroethene

Concen: 52.799 ug/l

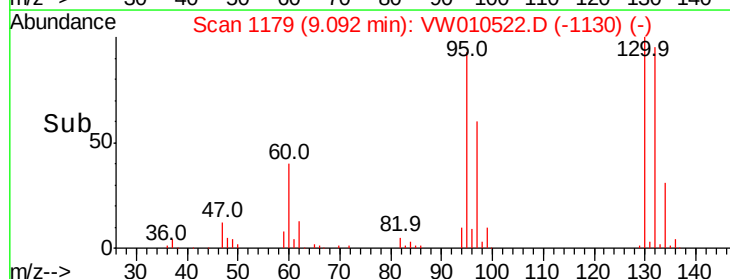
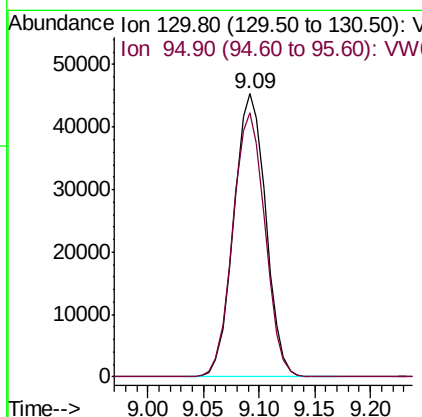
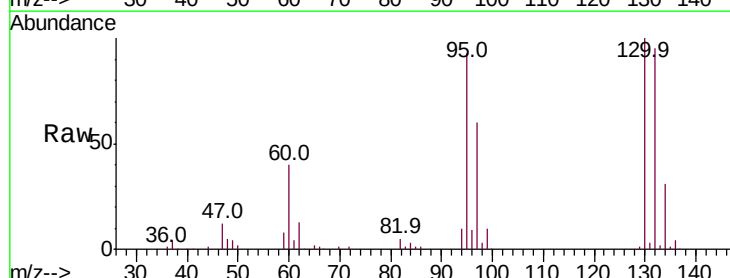
RT: 9.09 min Scan# 1179

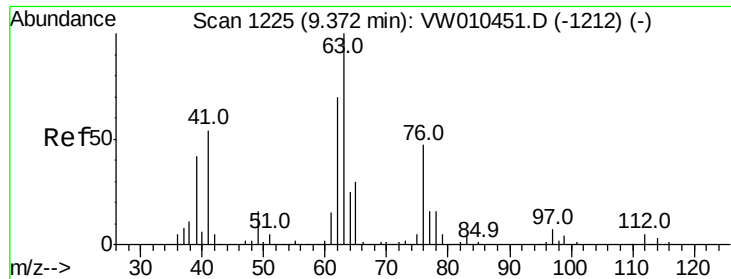
Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion:	130	Resp:	90063
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	189.6





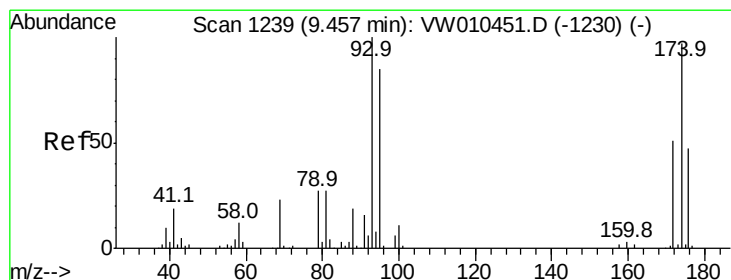
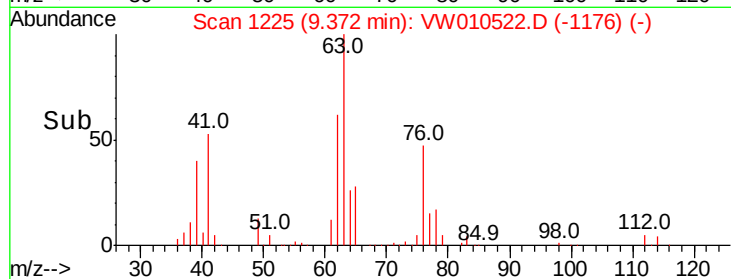
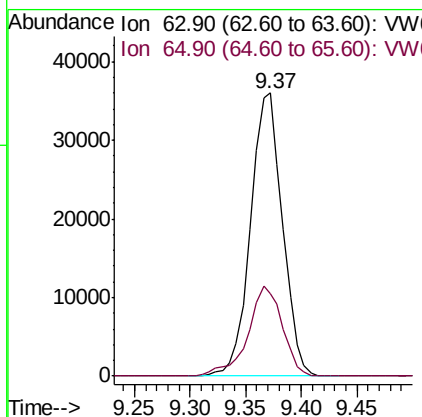
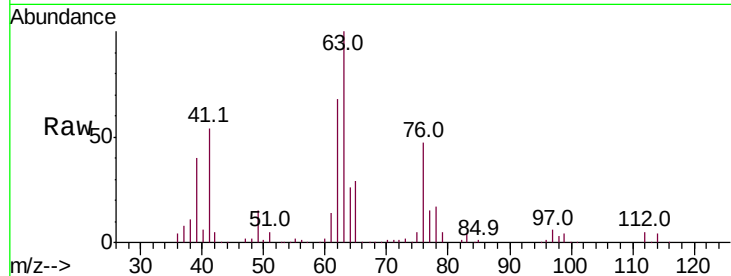
#45
 1,2-Dichloropropane
 Concen: 52.693 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	24.3	36.5

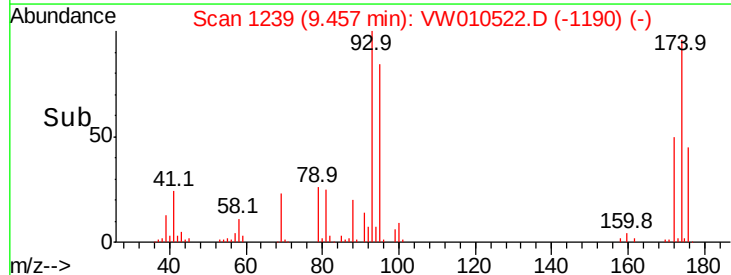
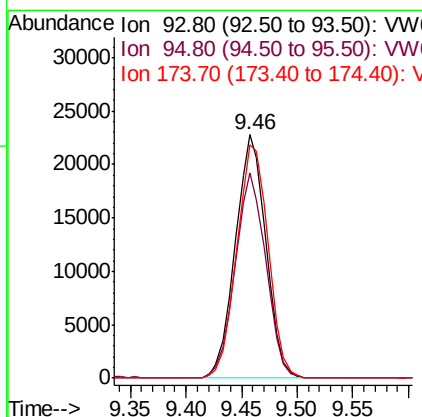
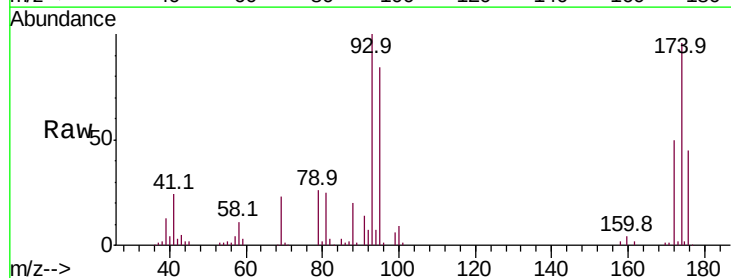
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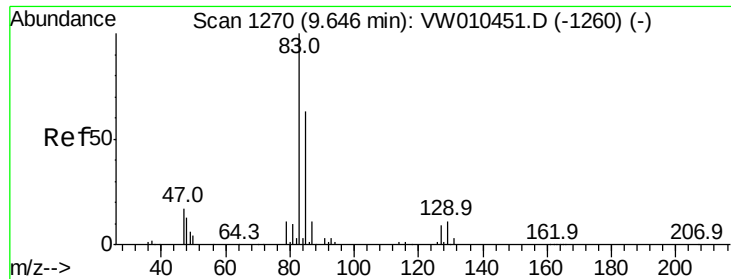
MMDadoda
 5/23/2019 11:41:56 AM



#46
 Dibromomethane
 Concen: 54.130 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.1	99.1
174	99.0	77.1	115.7





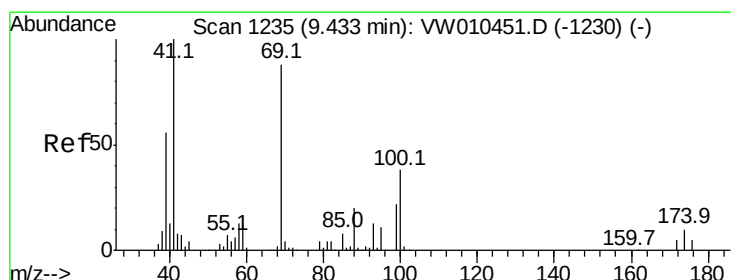
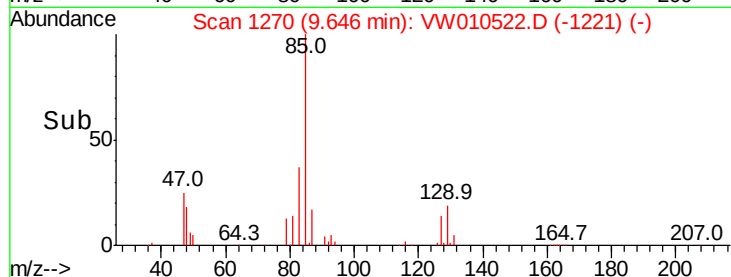
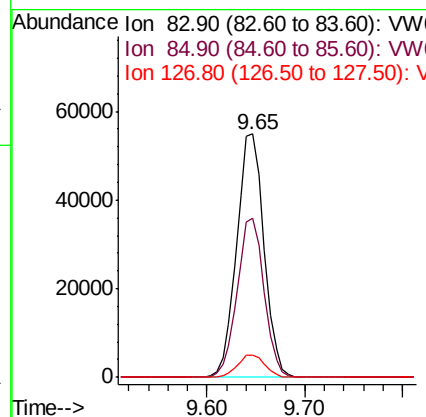
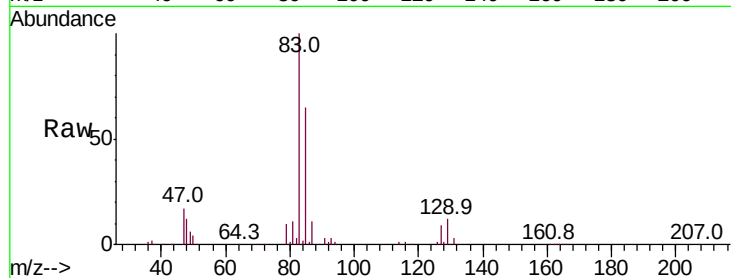
#47
 Bromodichloromethane
 Concen: 53.071 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	106431		
85	65.2		50.4	75.6
127	9.2		7.4	11.0

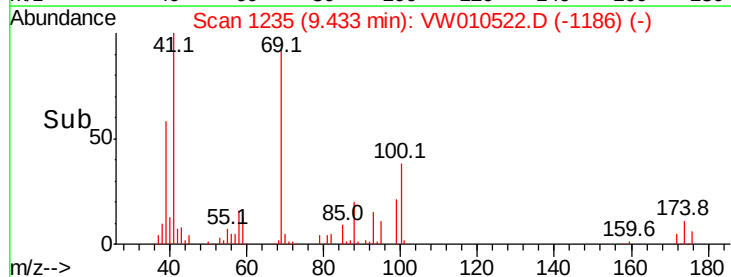
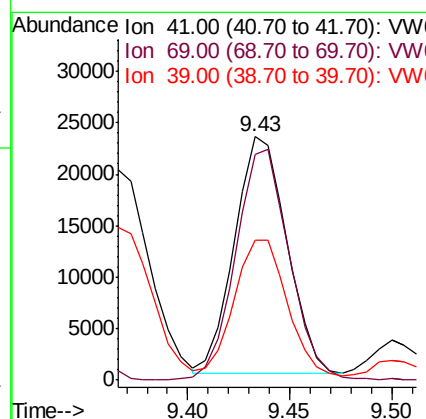
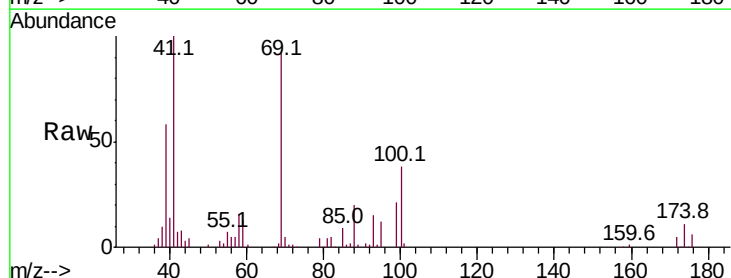
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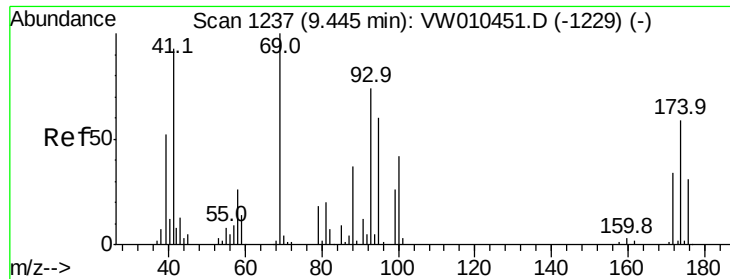
MMDadoda
 5/23/2019 11:41:56 AM



#48
 Methyl methacrylate
 Concen: 51.147 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	41094		
69	100.0		77.6	116.4
39	62.1		49.8	74.8





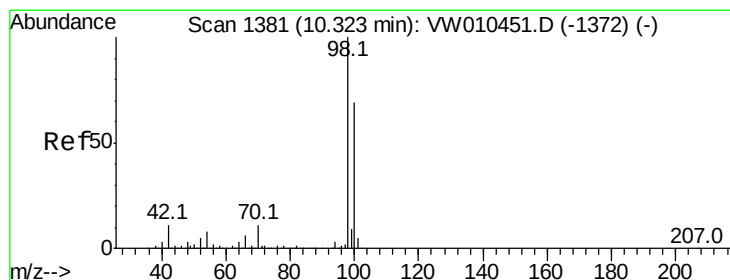
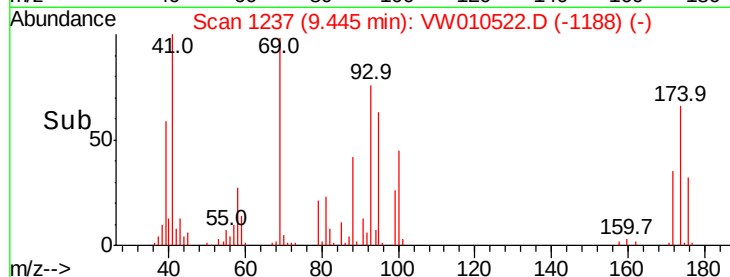
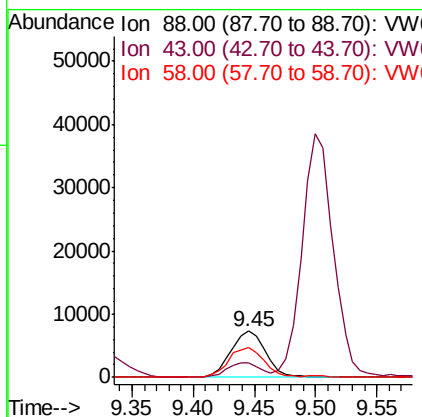
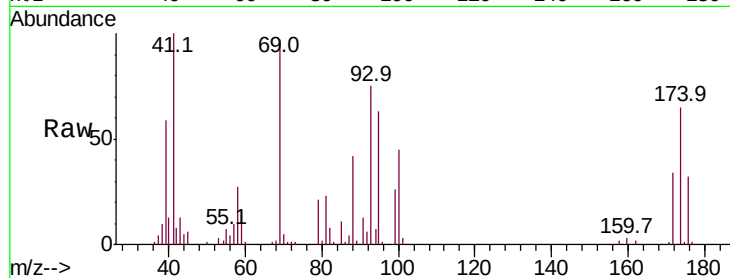
#49
1,4-Dioxane
Concen: 1108.502 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	14451
Ion Ratio	Lower	Upper	
88	100		
43	30.1	25.9	38.9
58	65.2	52.7	79.1

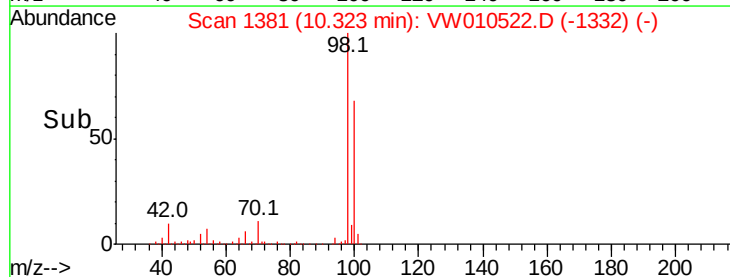
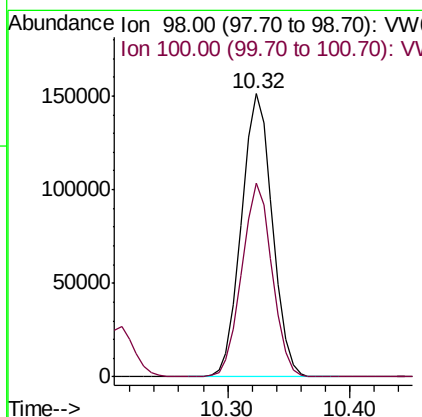
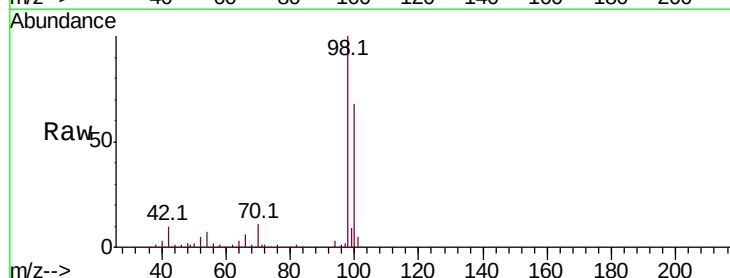
Manual Integrations
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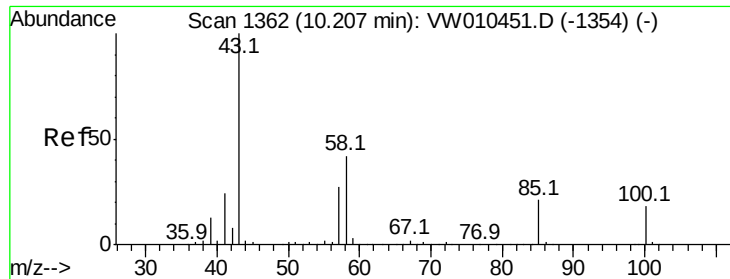
MMDadoda
5/23/2019 11:41:56 AM



#50
Toluene-d8
Concen: 51.493 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	98	Resp	264879
Ion Ratio	Lower	Upper	
98	100		
100	67.3	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 258.546 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 230082

Ion Ratio Lower Upper

43 100

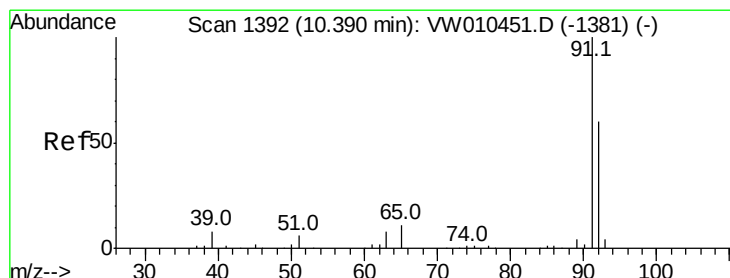
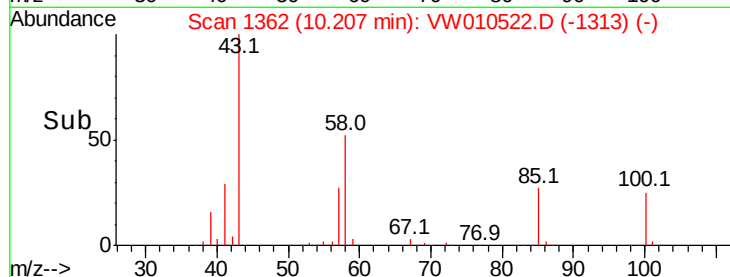
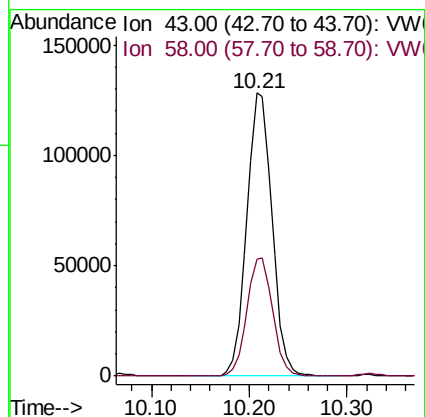
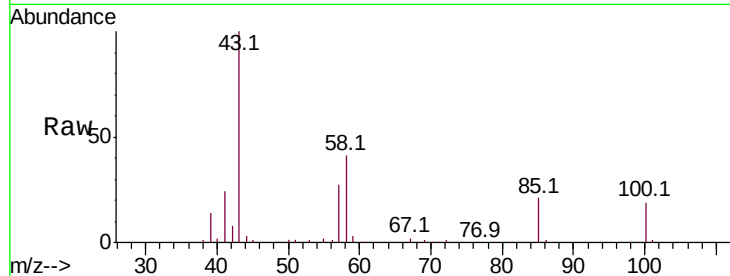
58 42.2 33.2 49.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 52.645 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010522.D

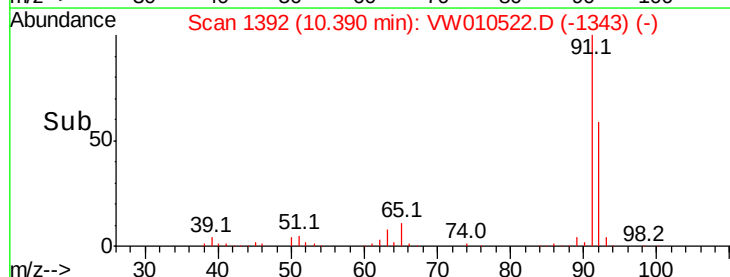
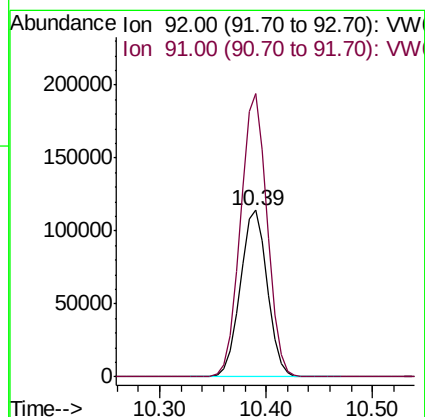
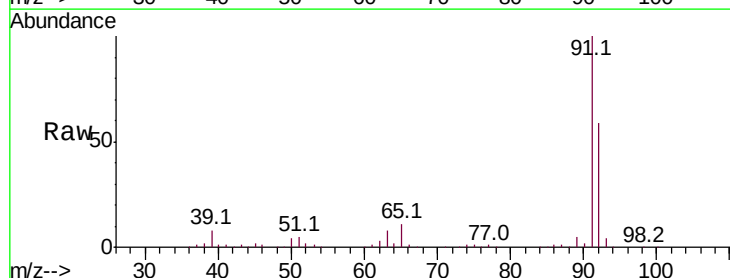
Acq: 22 May 2019 21:01

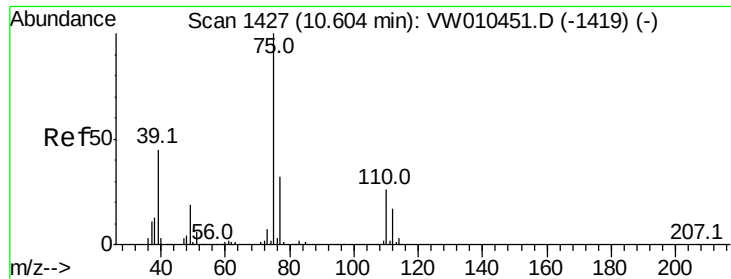
Tgt Ion: 92 Resp: 203140

Ion Ratio Lower Upper

92 100

91 167.7 135.4 203.0





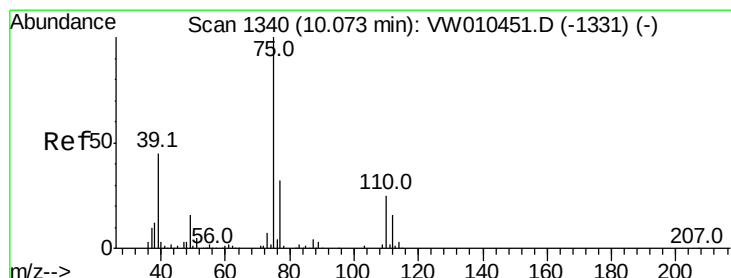
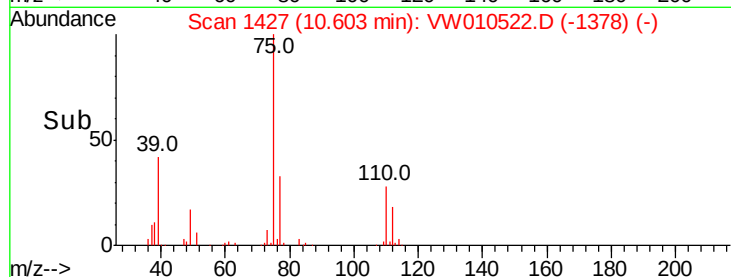
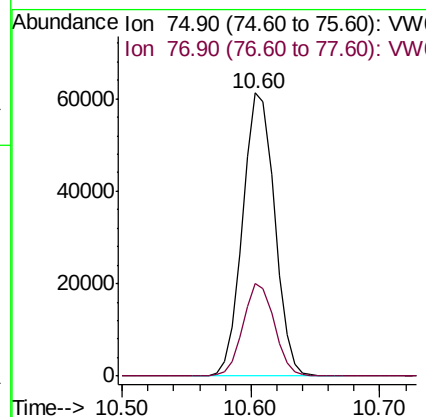
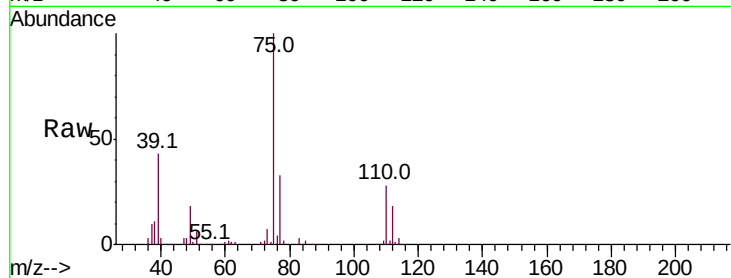
#53
 t-1,3-Dichloropropene
 Concen: 51.846 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 105303
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0

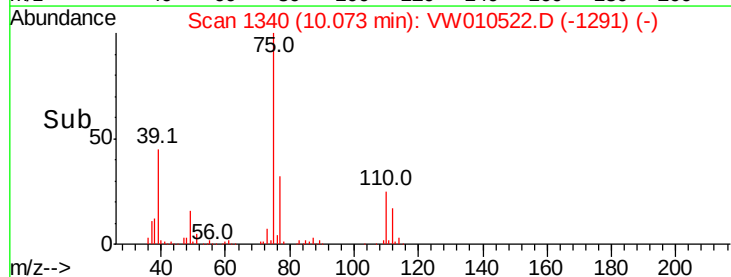
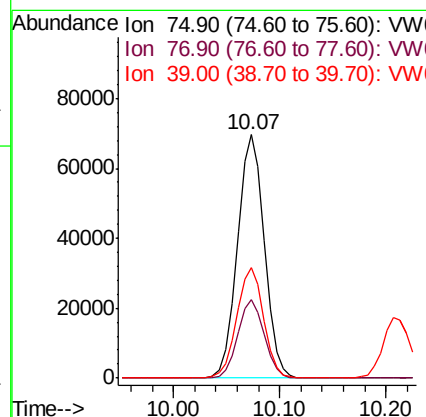
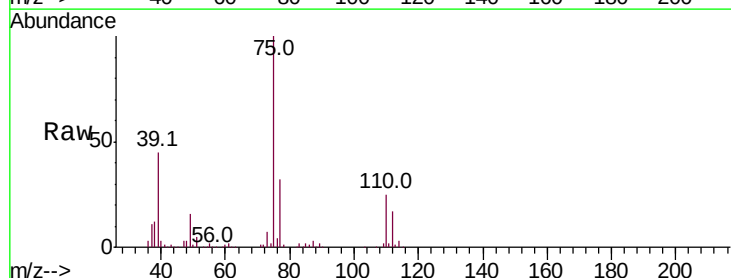
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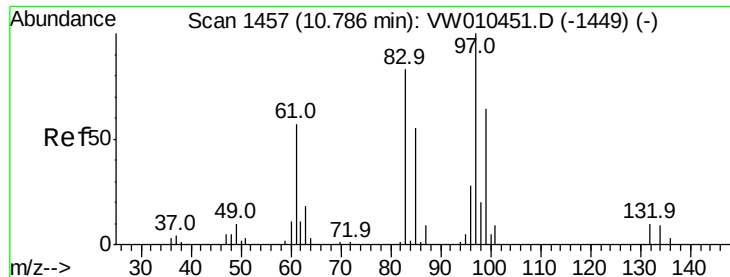
MMDadoda
 5/23/2019 11:41:56 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.145 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion: 75 Resp: 123275
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5
 39 45.1 36.2 54.4





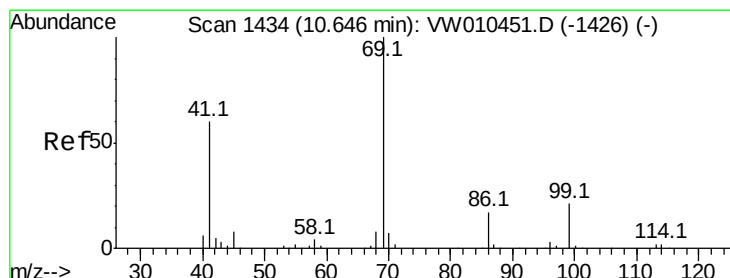
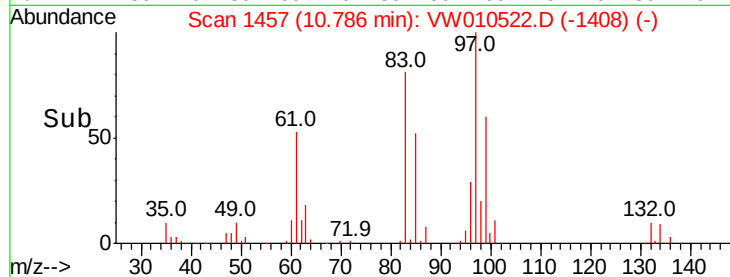
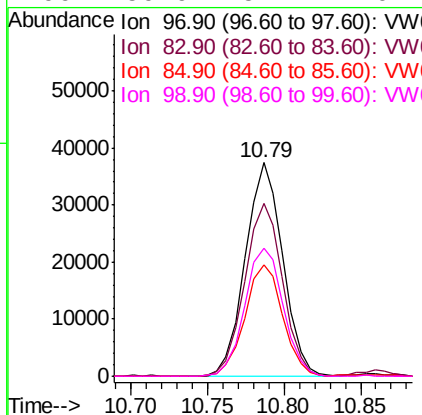
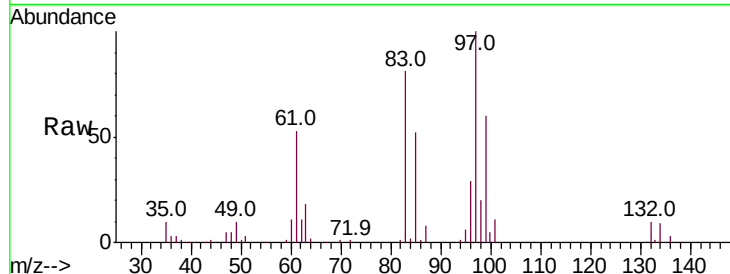
#55
 1,1,2-Trichloroethane
 Concen: 55.340 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	63508
Ion	Ratio	Lower	Upper
97	100		
83	80.9	66.1	99.1
85	52.0	44.2	66.4
99	59.9	51.1	76.7

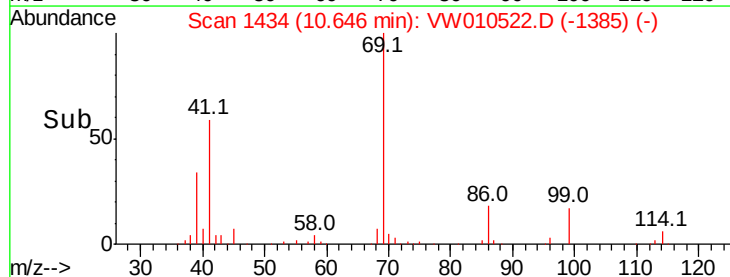
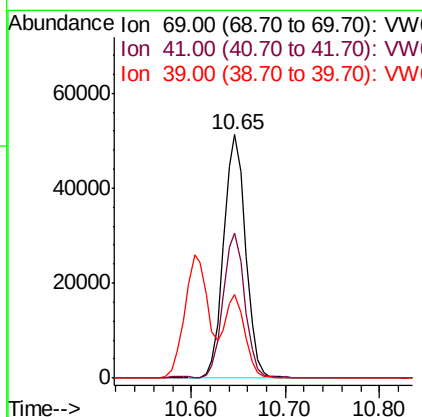
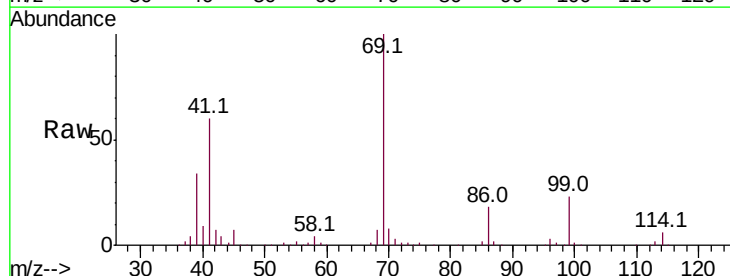
Manual Integrations
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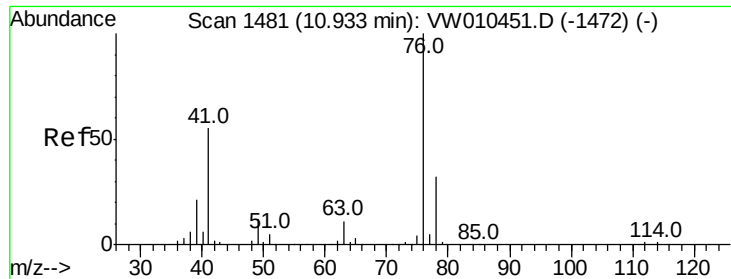
MMDadoda
 5/23/2019 11:41:56 AM



#56
 Ethyl methacrylate
 Concen: 52.513 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	69	Resp	83113
Ion	Ratio	Lower	Upper
69	100		
41	58.6	47.7	71.5
39	31.3	25.3	37.9





#57

1,3-Dichloropropane

Concen: 54.865 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

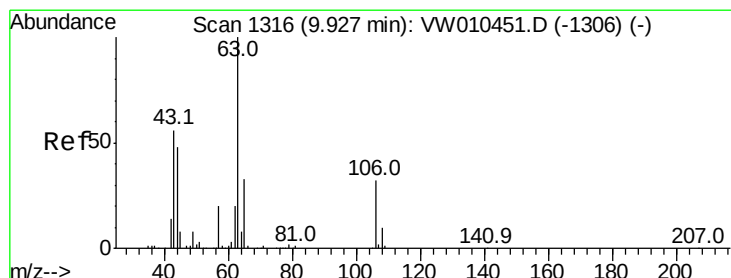
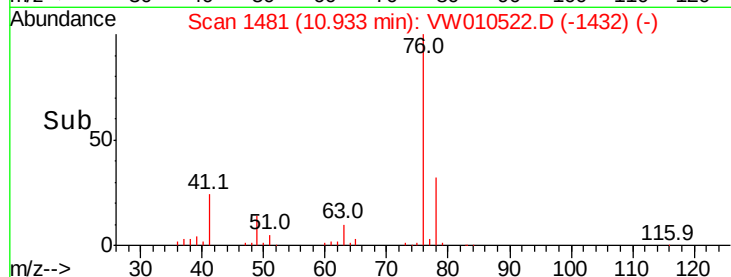
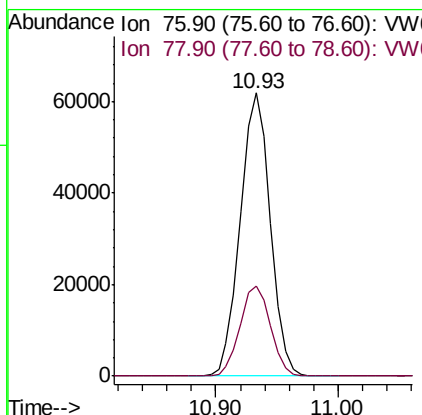
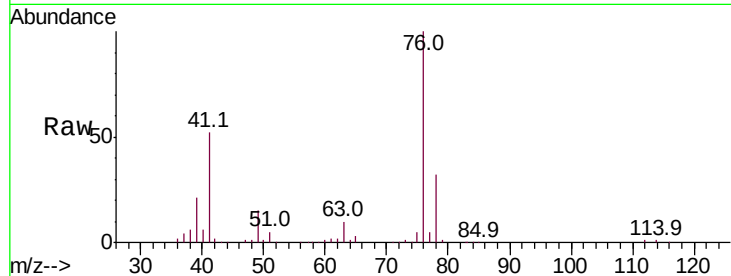
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion: 76 Resp: 105467

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.2

Manual Integrations
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MMDadoda
5/23/2019 11:41:56 AM



#58

2-Chloroethyl Vinyl ether

Concen: 270.396 ug/l

RT: 9.93 min Scan# 1316

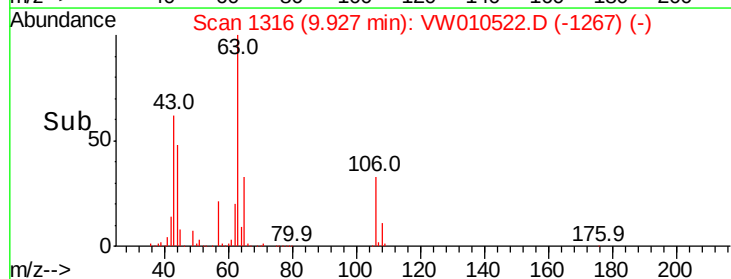
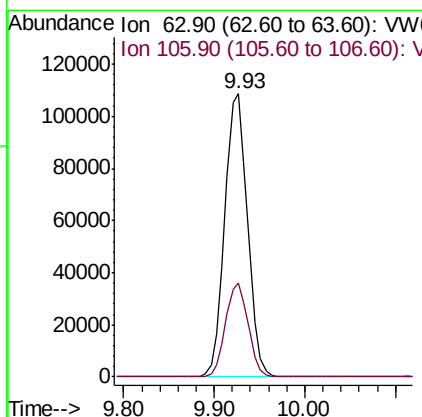
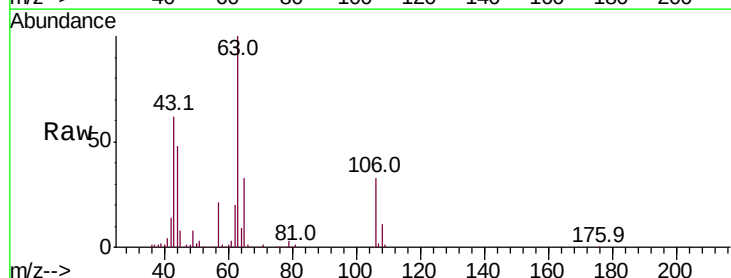
Delta R.T. -0.00 min

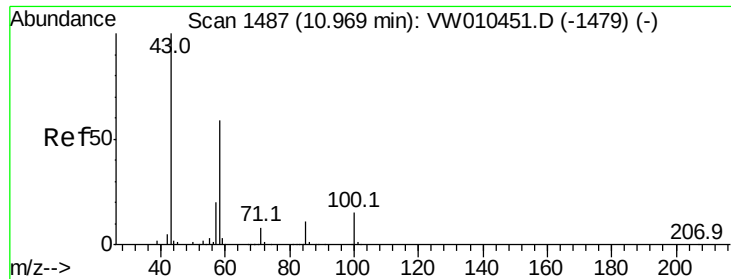
Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion: 63 Resp: 189557

Ion	Ratio	Lower	Upper
63	100		
106	32.8	25.8	38.6





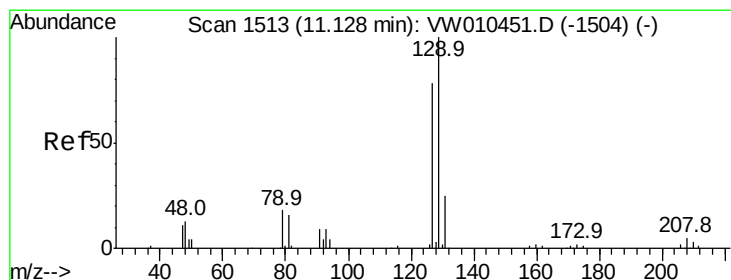
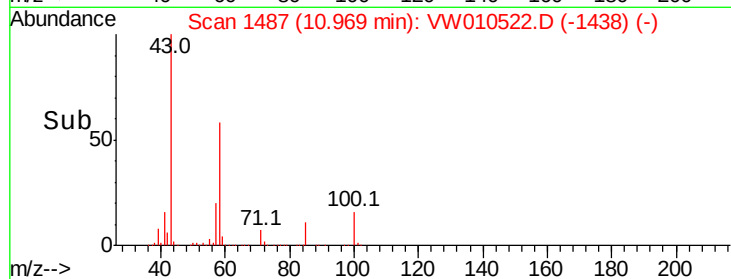
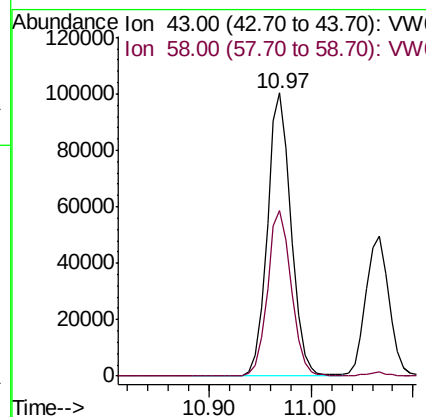
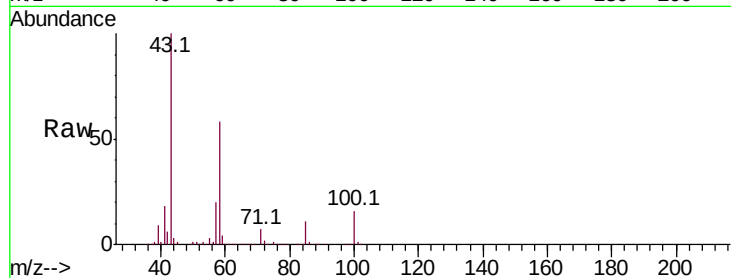
#59
2-Hexanone
Concen: 254.522 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	58.8	Resp	161574	Lower	Upper
Ion	43	58	100	58.8	28.9	86.8			

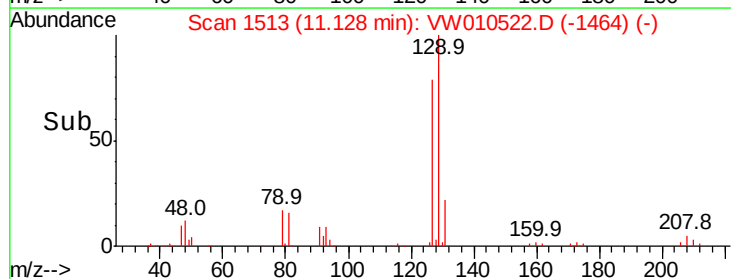
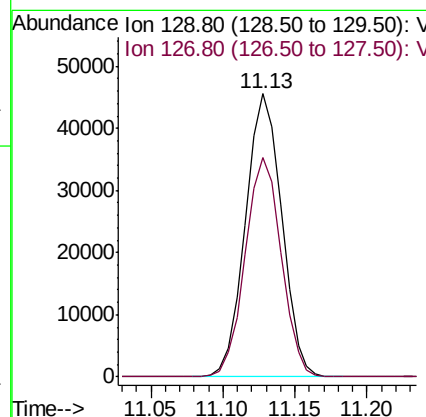
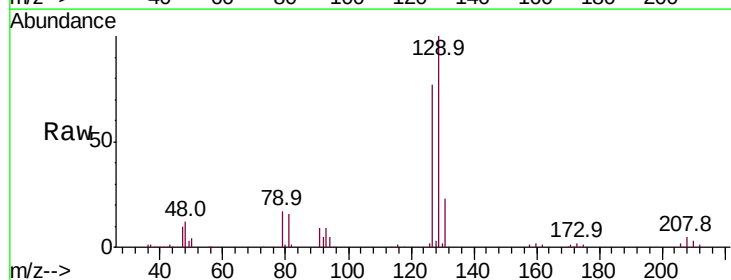
Manual Integrations
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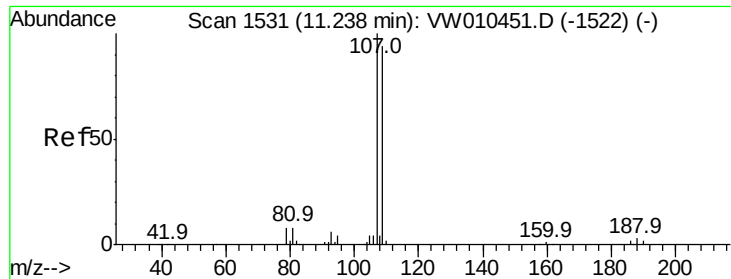
MMDadoda
5/23/2019 11:41:56 AM



#60
Dibromochloromethane
Concen: 54.647 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	129	127	Ratio	100	76.9	Resp	79369	Lower	Upper
Ion	129	127	100	76.9	38.9	116.7			





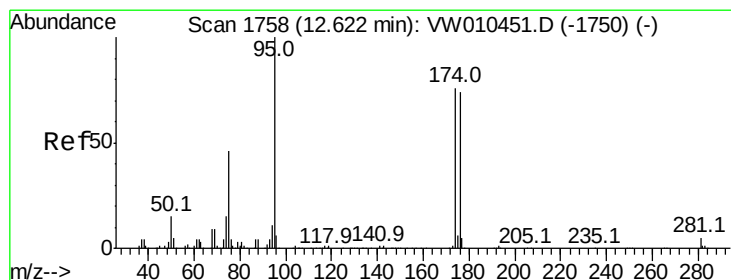
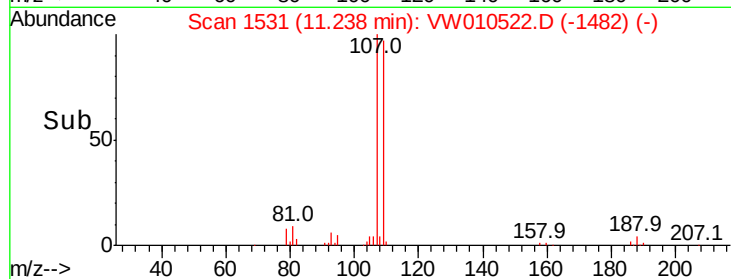
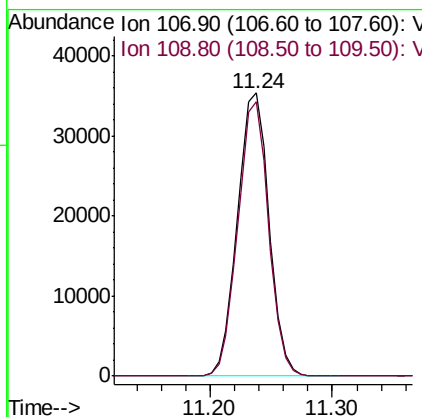
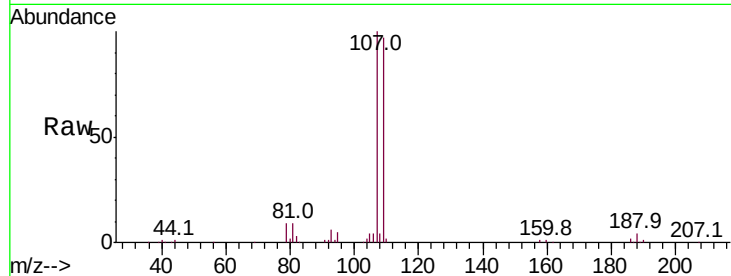
#61
 1,2-Dibromoethane
 Concen: 54.532 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.0	112.4

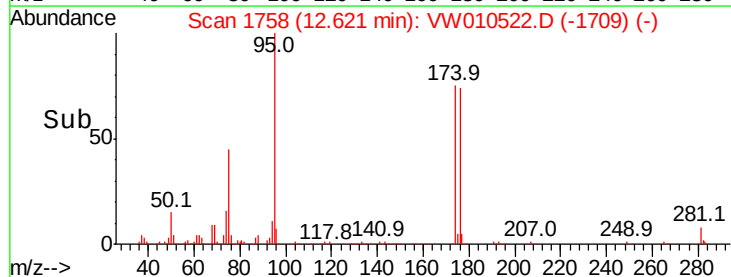
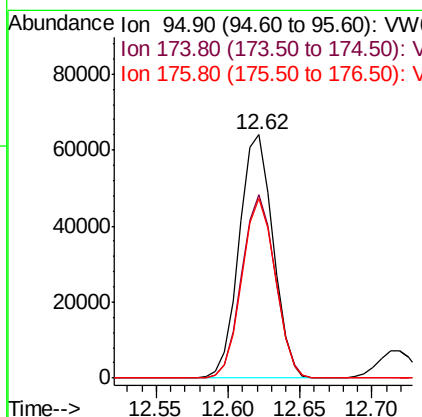
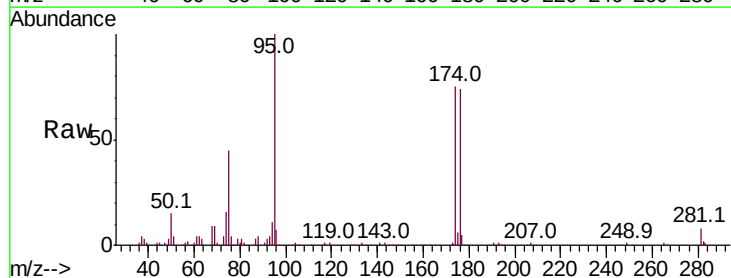
Manual Integrations
 APPROVED

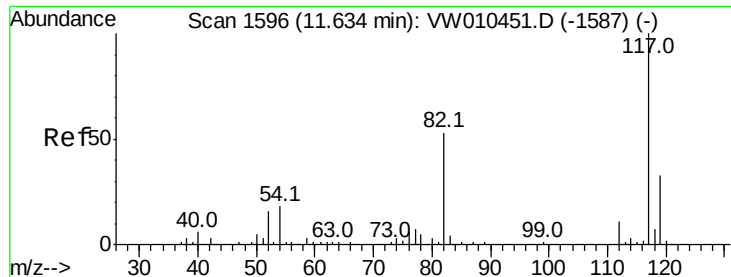
MMDadoda
 5/23/2019 11:41:56 AM



#62
 4-Bromofluorobenzene
 Concen: 51.106 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	148.6
176	72.7	0.0	144.2





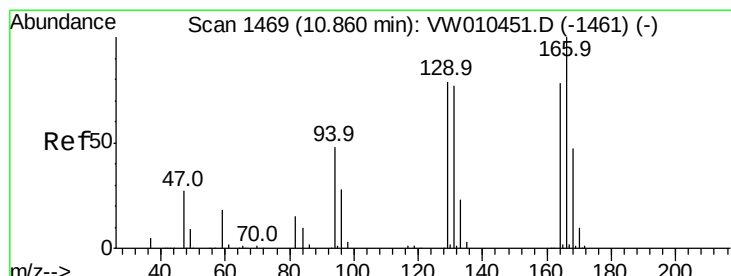
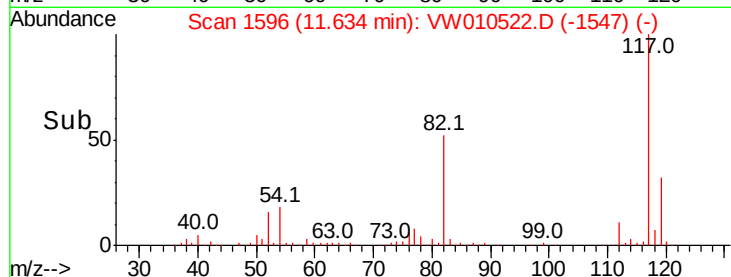
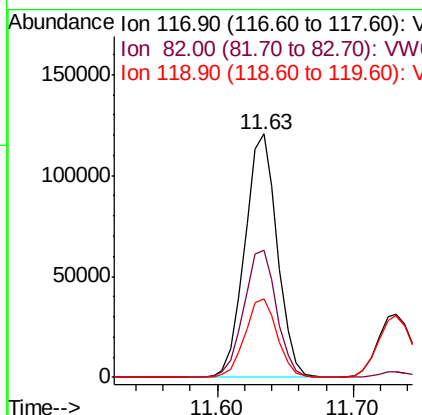
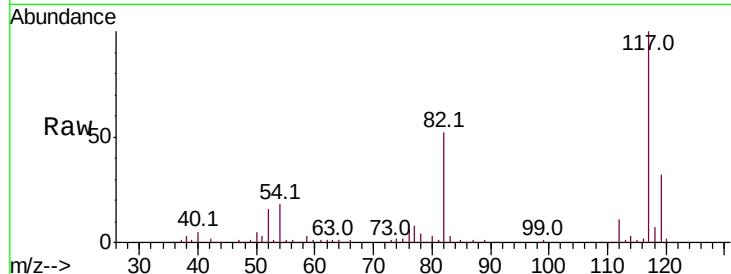
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	200695		
82	52.4		42.8	64.2
119	32.2		26.3	39.5

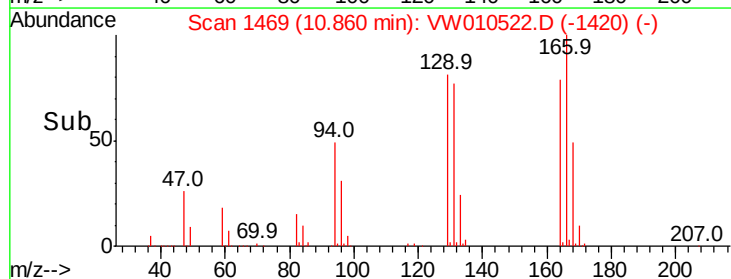
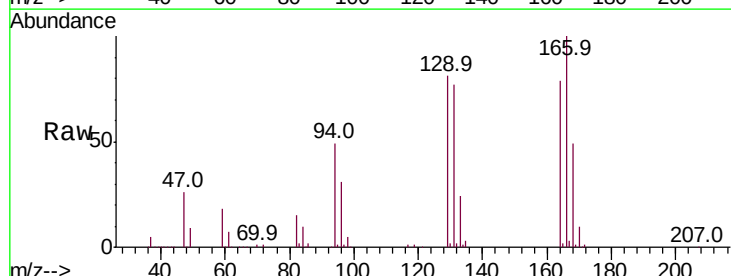
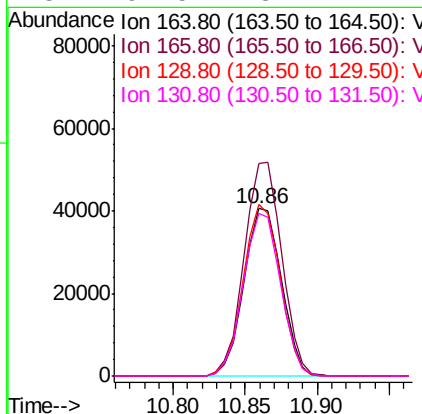
Manual Integrations
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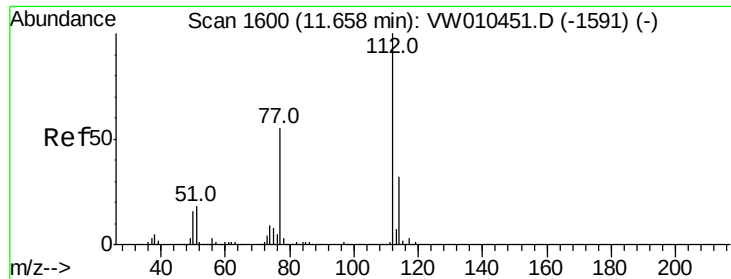
MMDadoda
5/23/2019 11:41:56 AM



#64
Tetrachloroethene
Concen: 52.238 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73082		
166	126.9		101.9	152.9
129	102.7		80.6	121.0
131	97.5		78.2	117.2





#65

Chlorobenzene

Concen: 52.753 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 225641

Ion Ratio Lower Upper

112 100

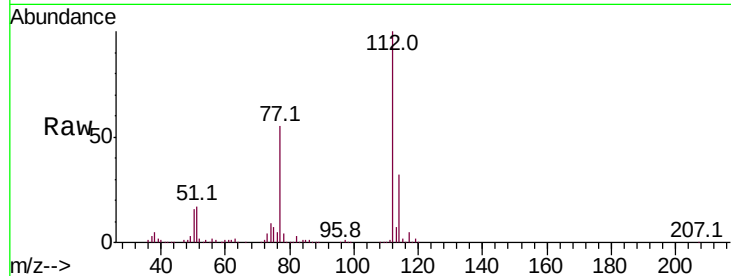
114 32.2 25.3 37.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

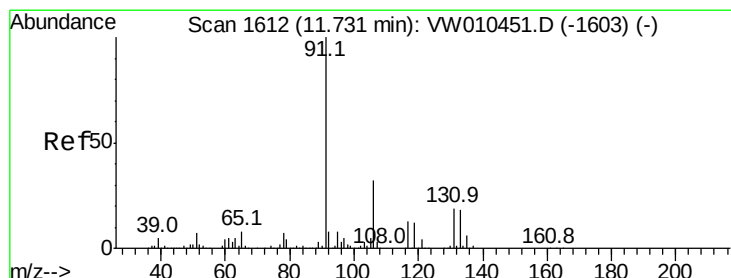
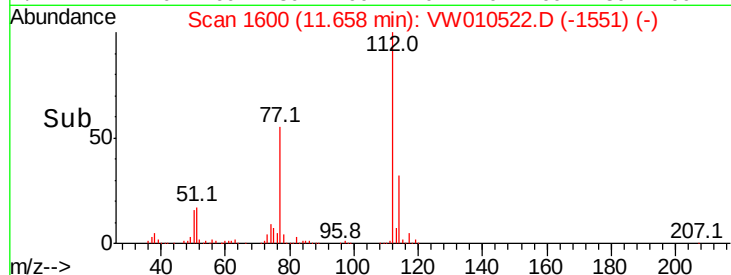
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.642 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

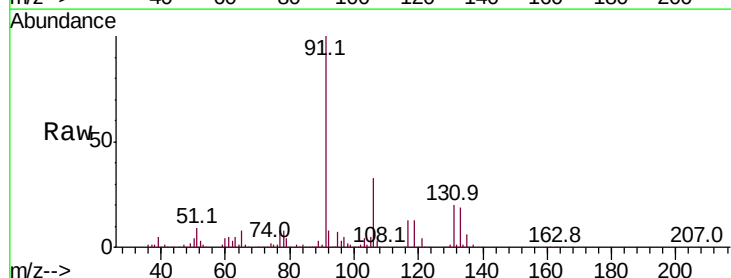
Tgt Ion:131 Resp: 82191

Ion Ratio Lower Upper

131 100

133 94.8 47.3 141.9

119 64.7 32.1 96.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

50000

40000

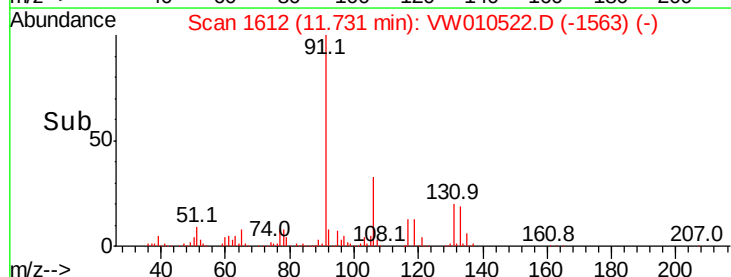
30000

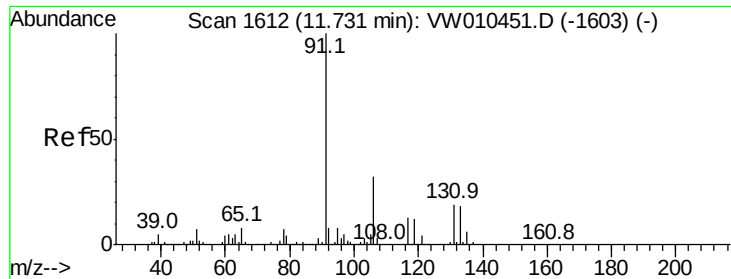
20000

10000

0

Time-->





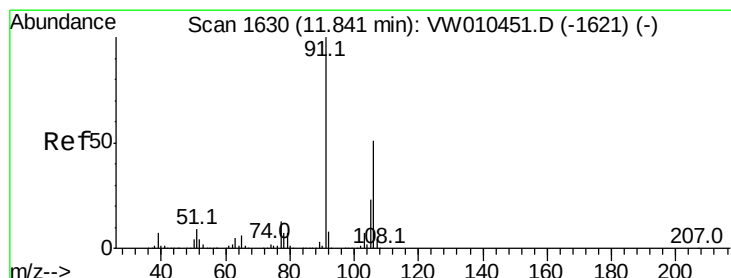
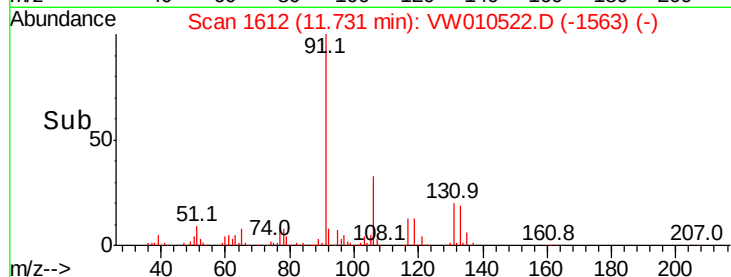
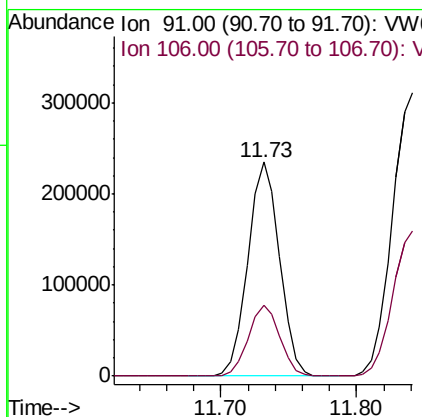
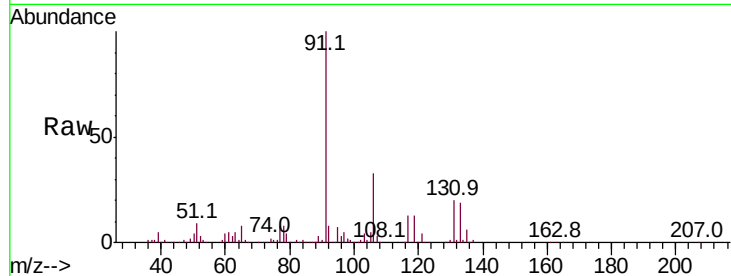
#67
Ethyl Benzene
Concen: 50.646 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 382463
Ion Ratio Lower Upper
91 100
106 32.9 25.9 38.9

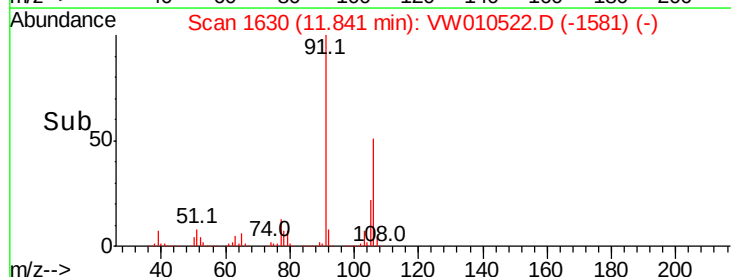
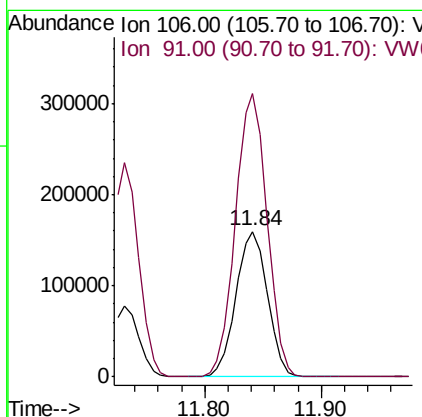
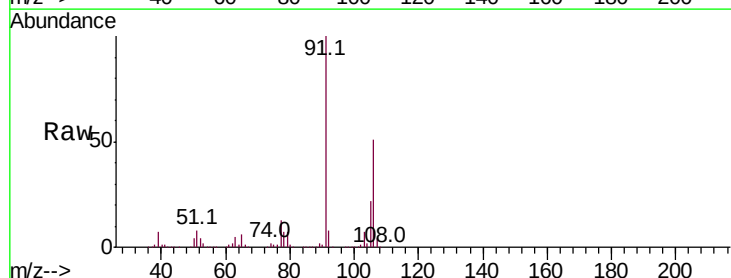
Manual Integrations
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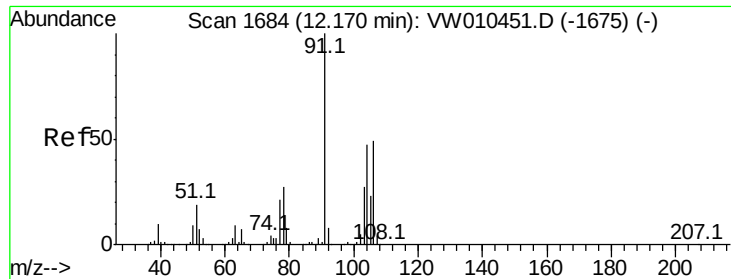
MMDadoda
5/23/2019 11:41:56 AM



#68
m/p-Xylenes
Concen: 101.941 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion: 106 Resp: 301951
Ion Ratio Lower Upper
106 100
91 195.0 156.0 234.0





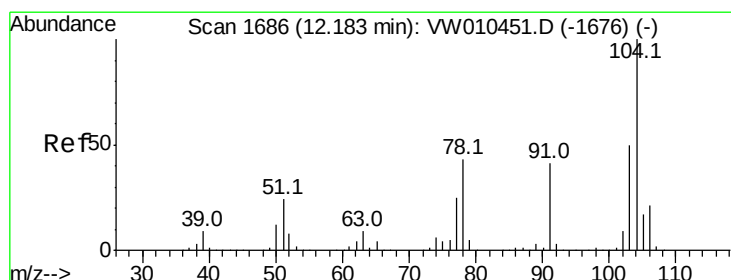
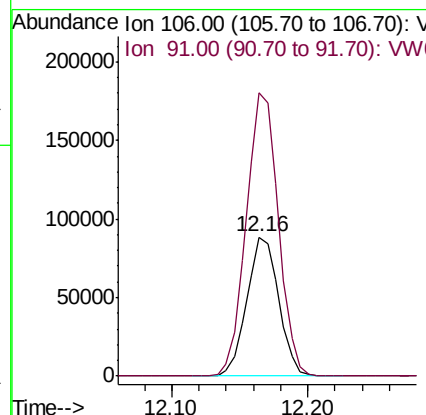
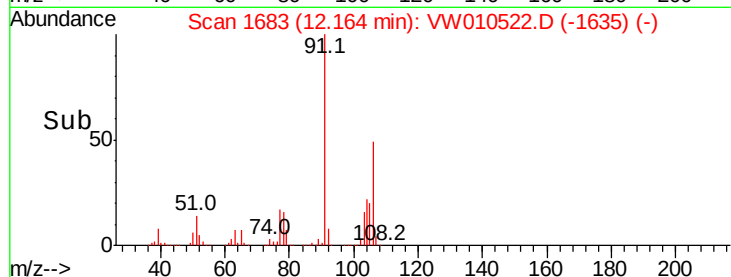
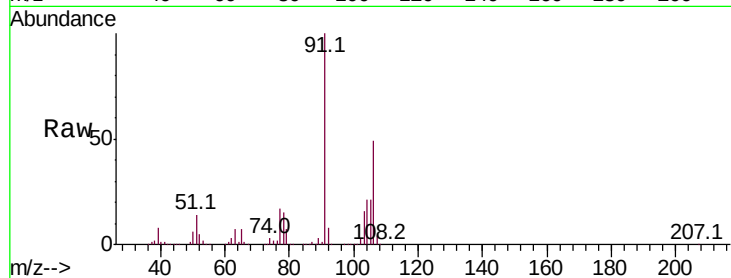
#69
o-Xylene
Concen: 51.714 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 145128
Ion Ratio Lower Upper
106 100
91 205.4 103.2 309.4

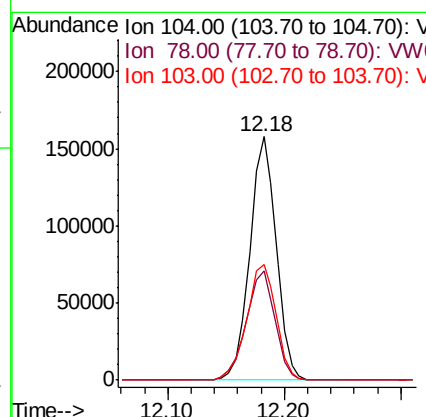
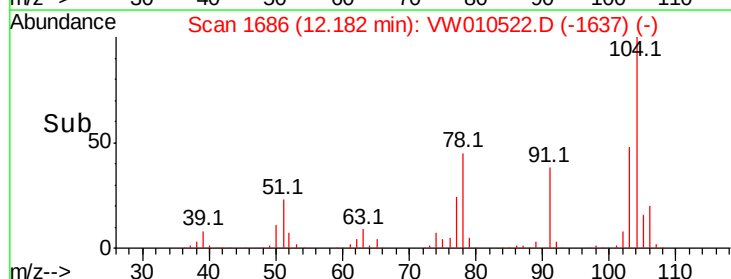
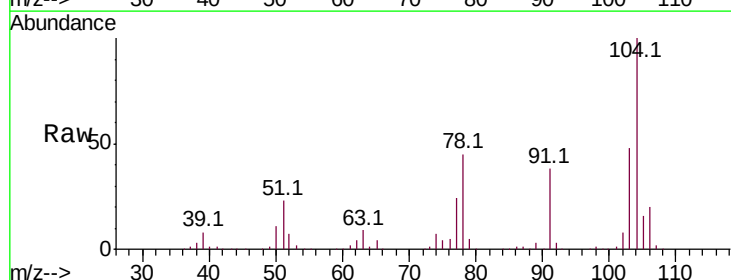
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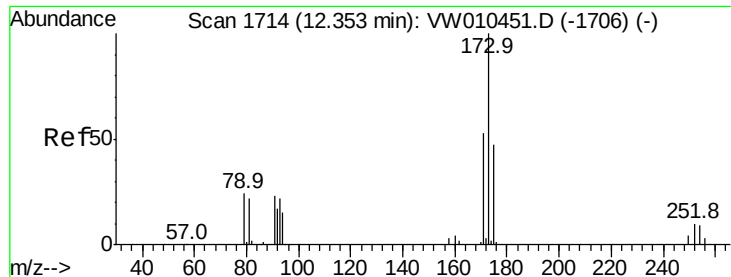
MMDadoda
5/23/2019 11:41:56 AM



#70
Styrene
Concen: 52.403 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion:104 Resp: 249522
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 53.1 43.0 64.6





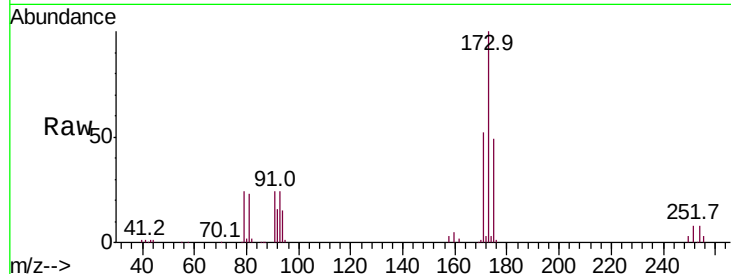
#71
Bromoform
Concen: 52.974 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

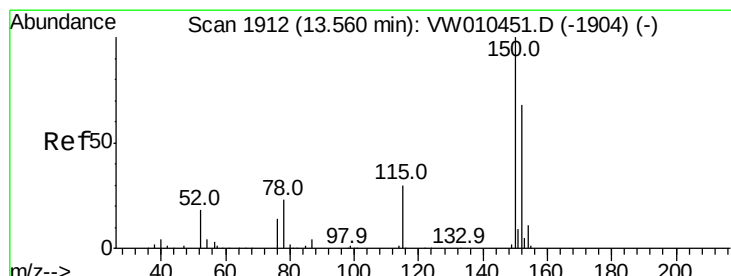
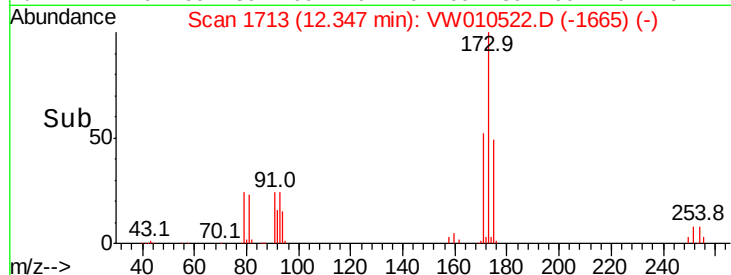
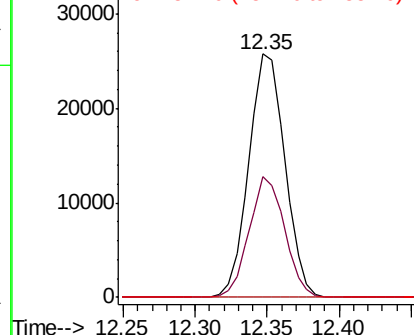
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.0	0.0	0.0

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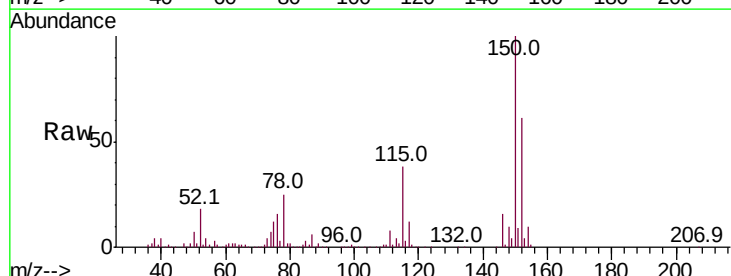


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

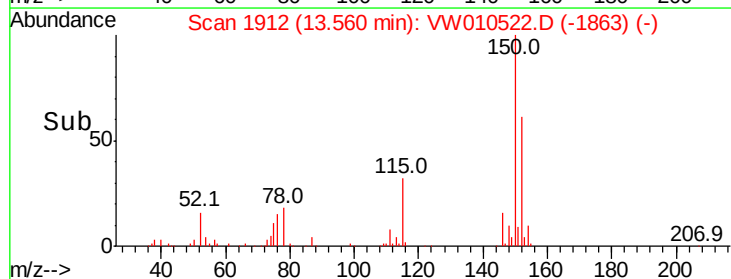
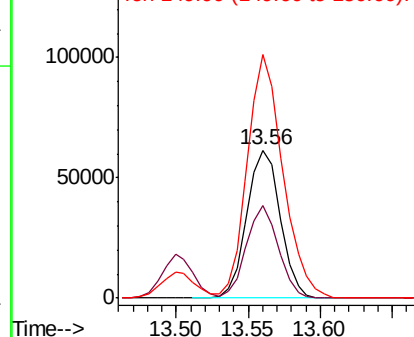


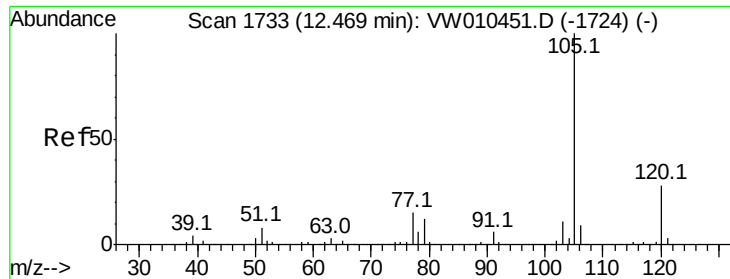
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.3	91.0
150	175.5	0.0	349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.263 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 385448

Ion Ratio Lower Upper

105 100

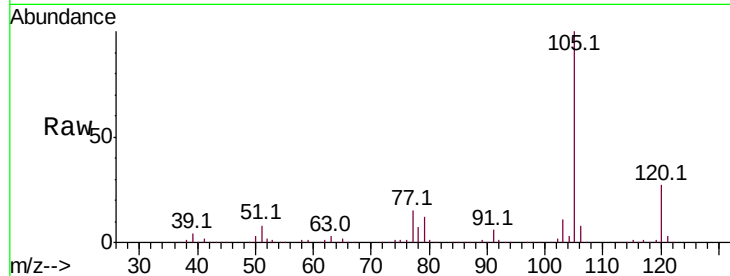
120 27.6 13.9 41.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

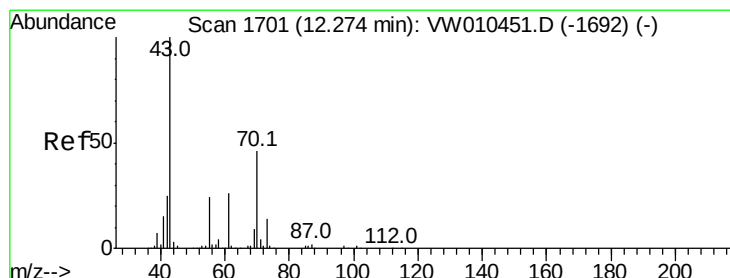
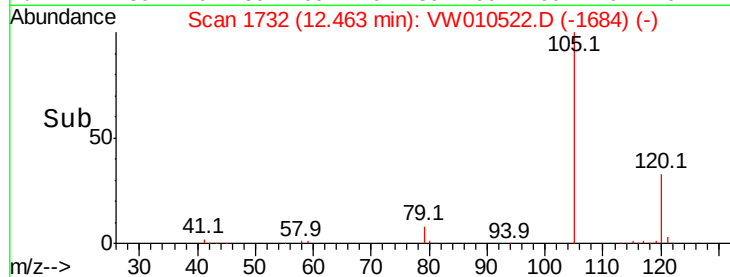
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 48.650 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion: 43 Resp: 87228

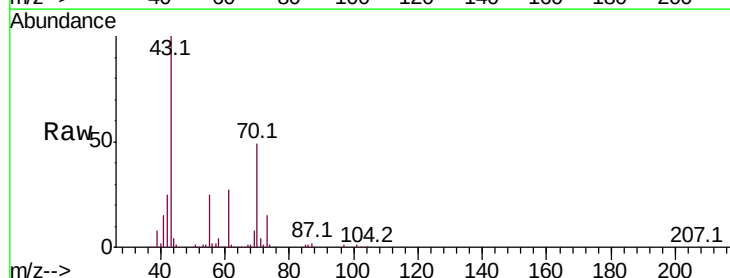
Ion Ratio Lower Upper

43 100

70 48.4 37.1 55.7

55 25.1 19.6 29.4

61 26.4 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

80000

60000

40000

20000

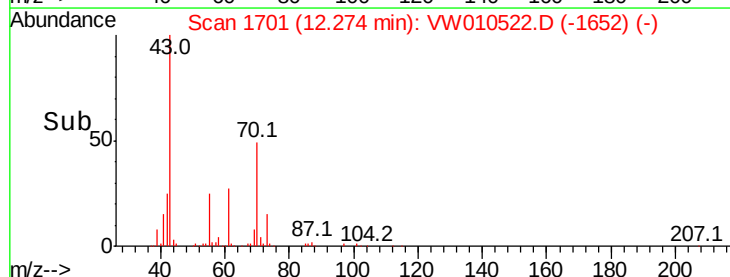
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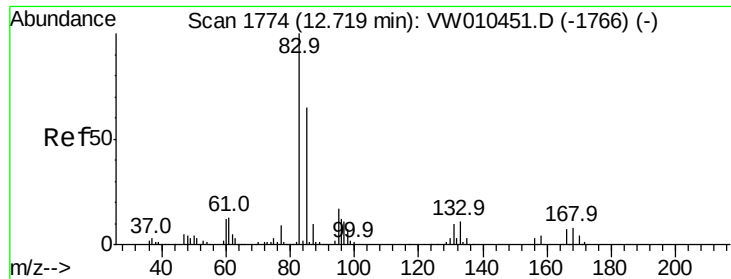
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.468 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

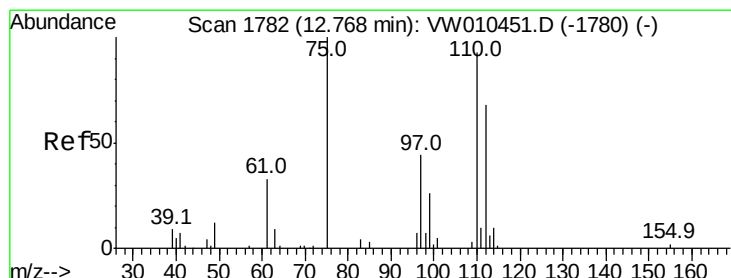
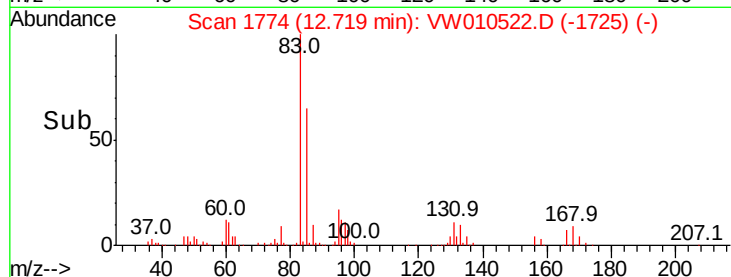
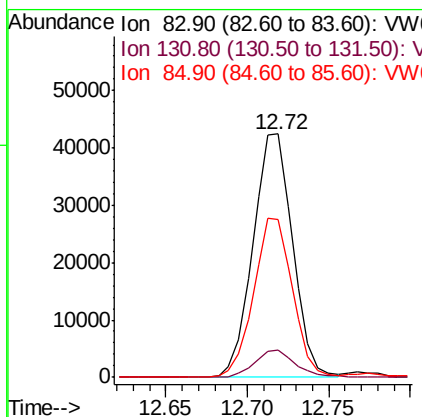
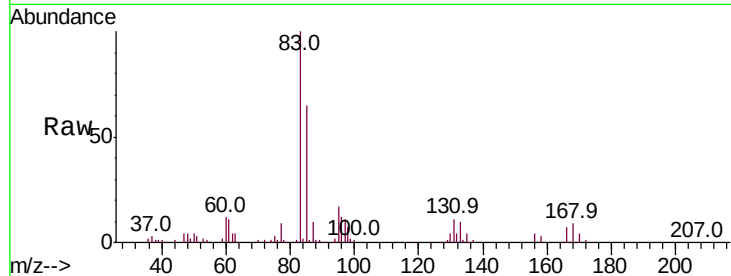
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	71822
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	64.0	32.4	97.0

Manual Integrations
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5/23/2019 11:41:56 AM



#76

1,2,3-Trichloropropane

Concen: 50.096 ug/l m

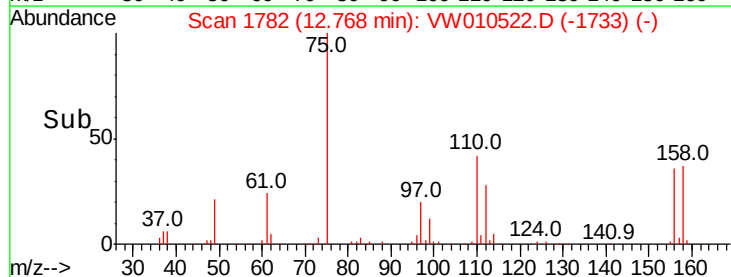
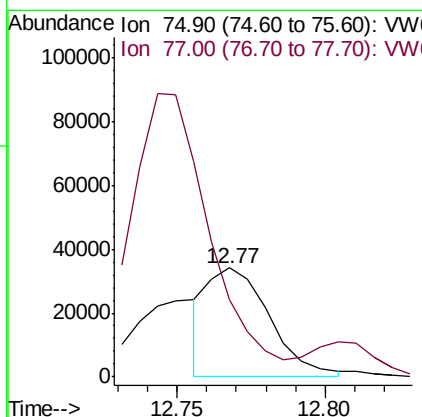
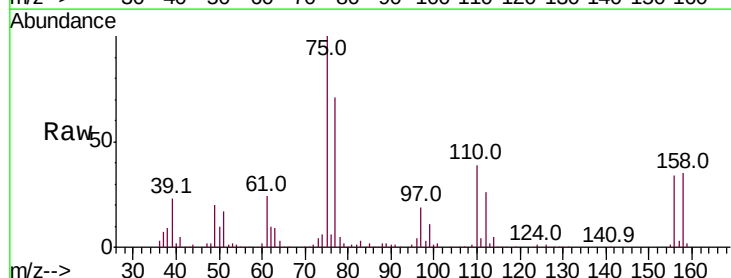
RT: 12.77 min Scan# 1782

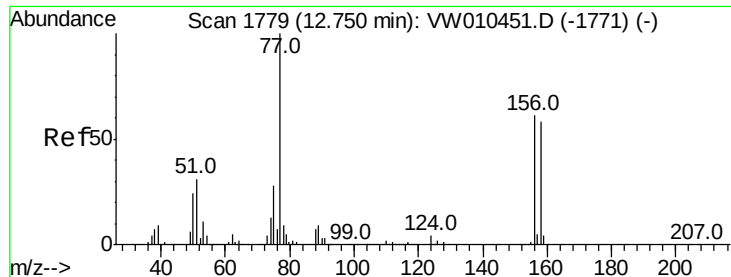
Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion:	75	Resp:	50139
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





#77

Bromobenzene

Concen: 53.096 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

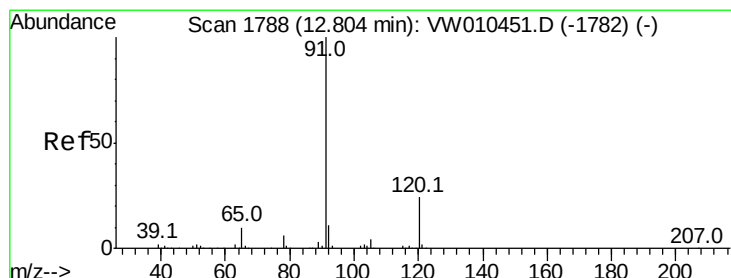
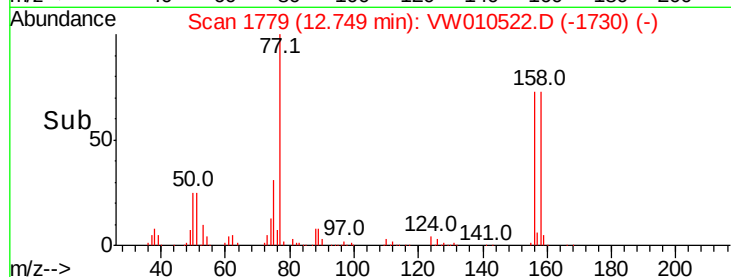
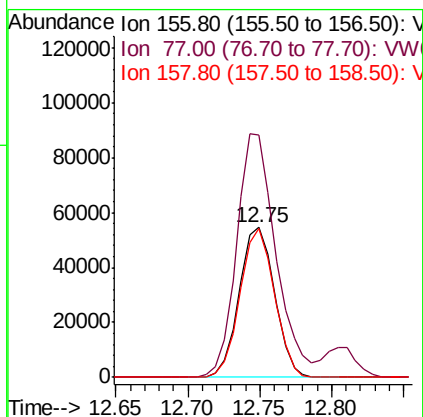
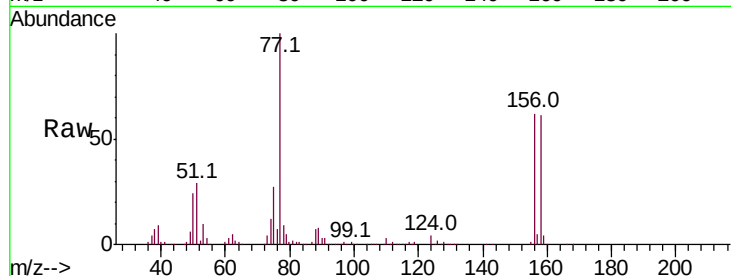
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	92967
Ion	Ratio	Lower	Upper
156	100		
77	180.3	92.4	277.2
158	96.5	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 48.303 ug/l

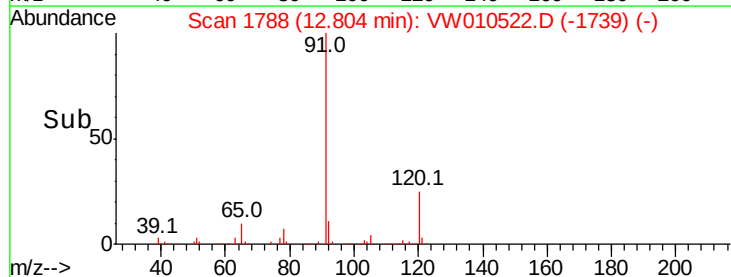
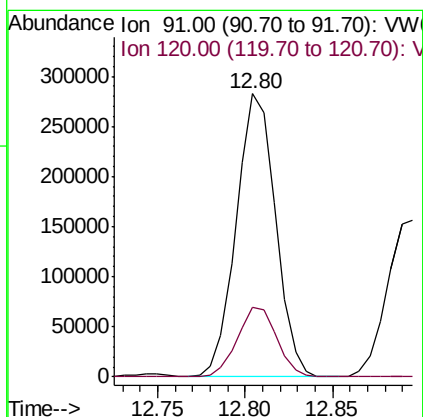
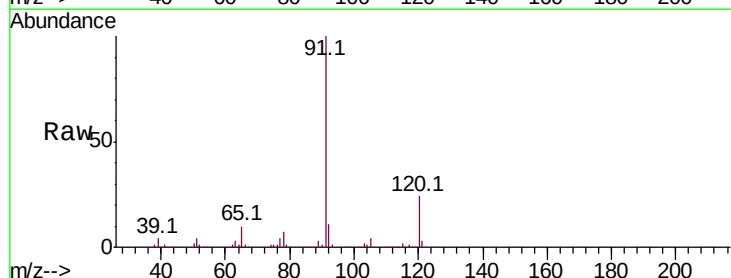
RT: 12.80 min Scan# 1788

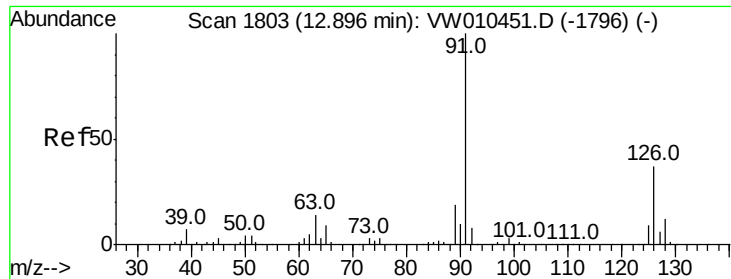
Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion:	91	Resp:	440431
Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.8





#79

2-Chlorotoluene

Concen: 49.571 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 262123

Ion Ratio Lower Upper

91 100

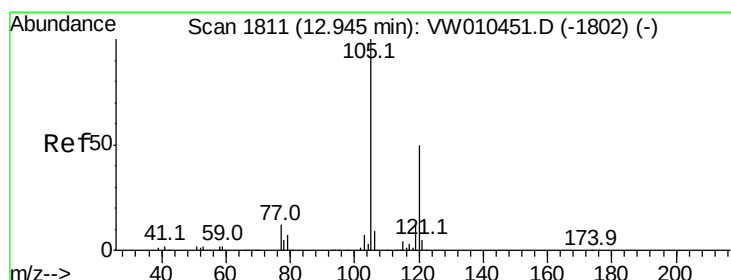
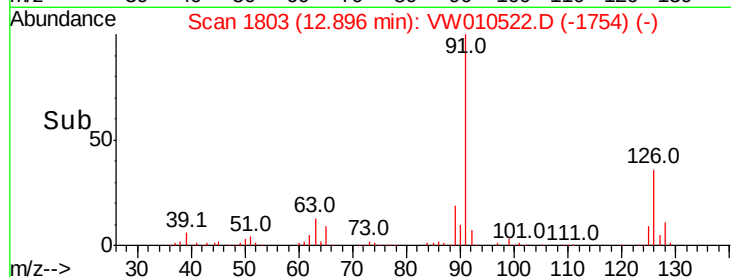
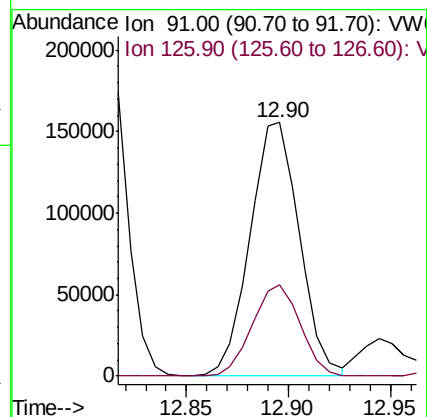
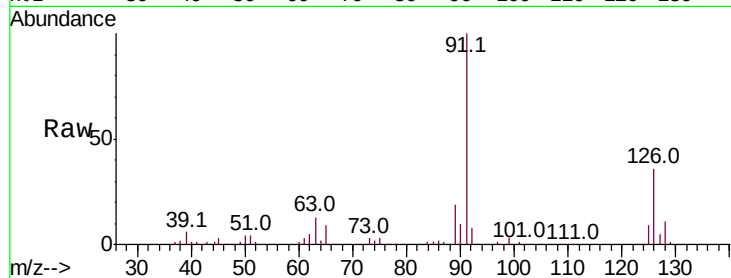
126 35.3 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.873 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010522.D

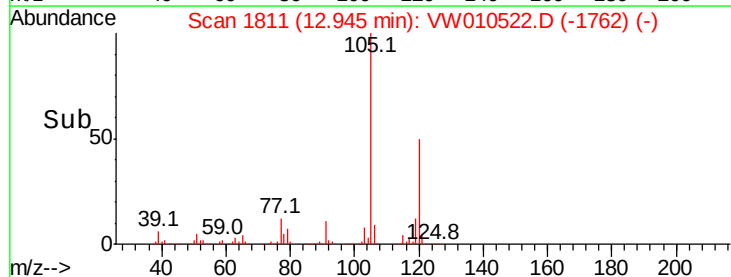
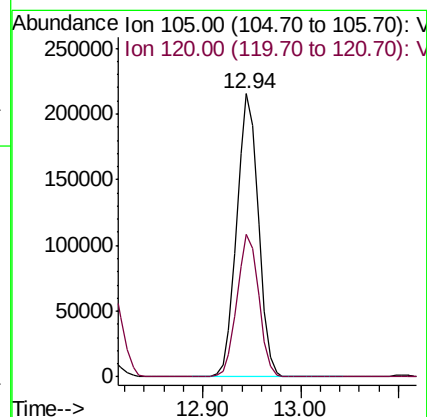
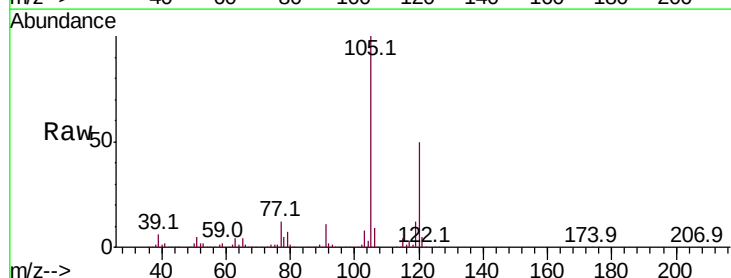
Acq: 22 May 2019 21:01

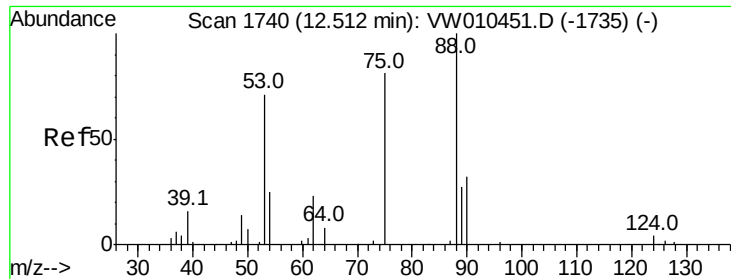
Tgt Ion:105 Resp: 330494

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





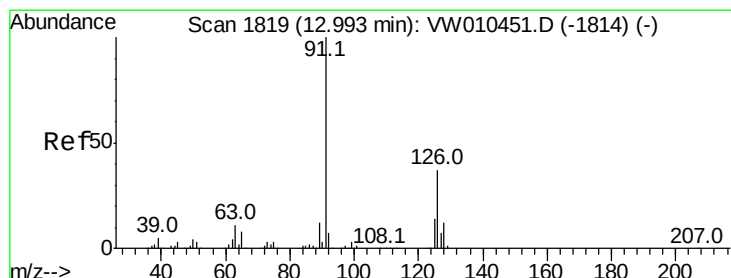
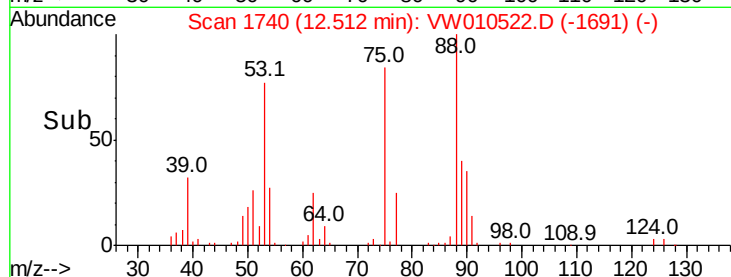
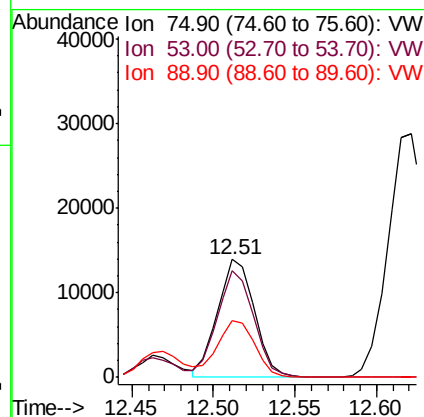
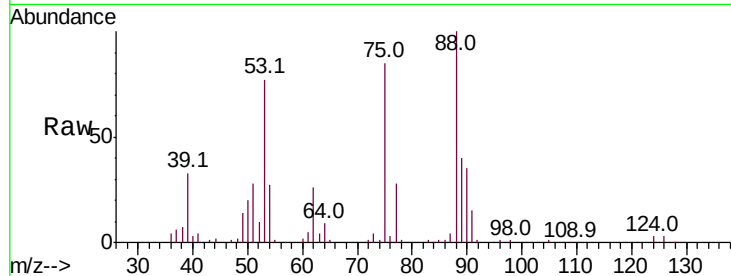
#81
trans-1,4-Dichloro-2-butene
Concen: 46.136 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.5	69.8	104.8
89	49.2	39.5	59.3

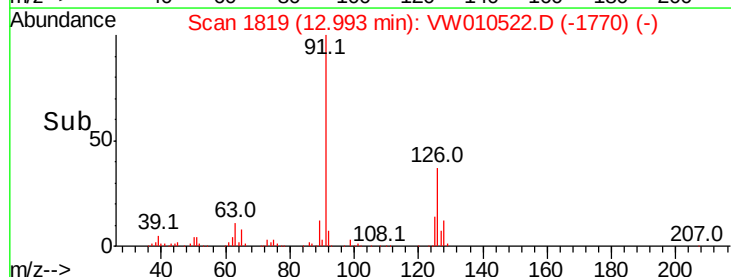
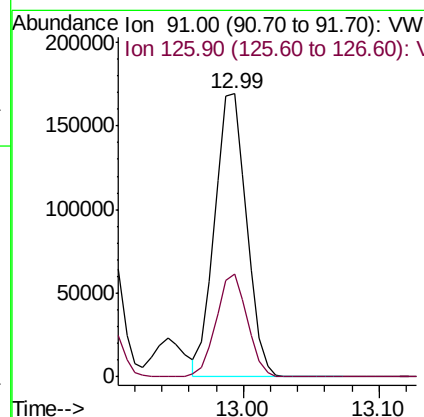
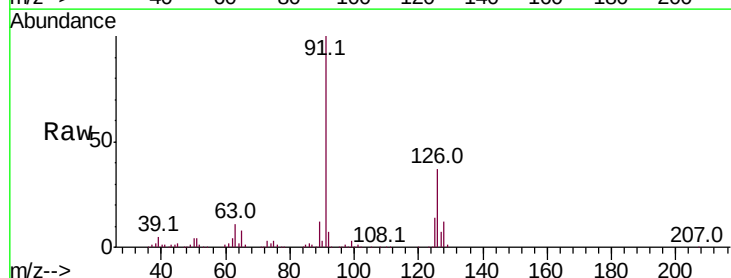
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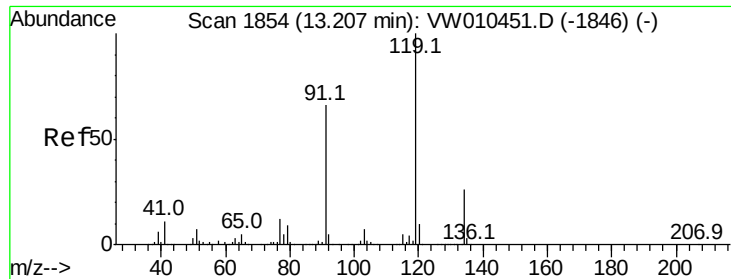
MMDadoda
5/23/2019 11:41:56 AM



#82
4-Chlorotoluene
Concen: 49.834 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.5	52.6





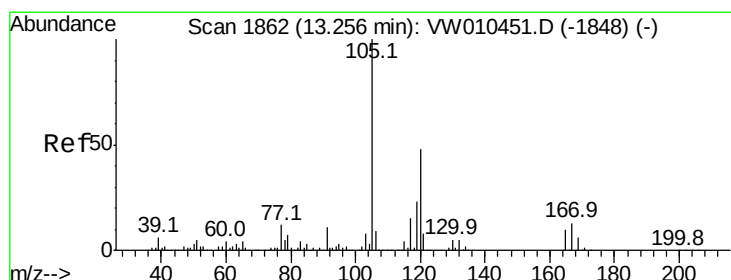
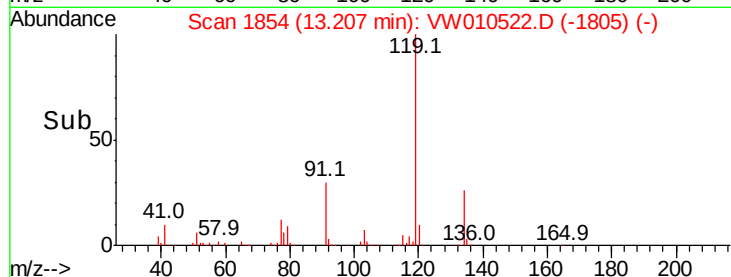
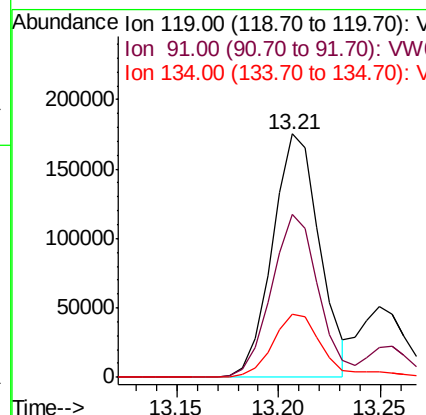
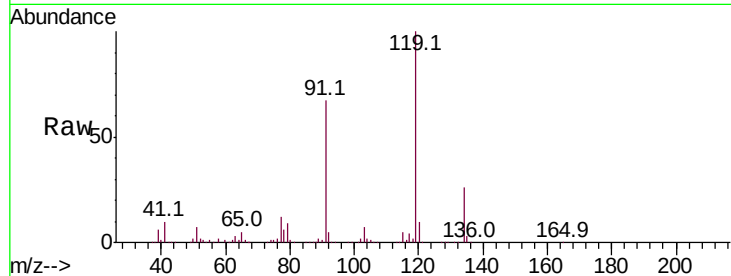
#83
 tert-Butylbenzene
 Concen: 48.810 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282534		
91	66.9		33.1	99.5
134	28.1		13.9	41.6

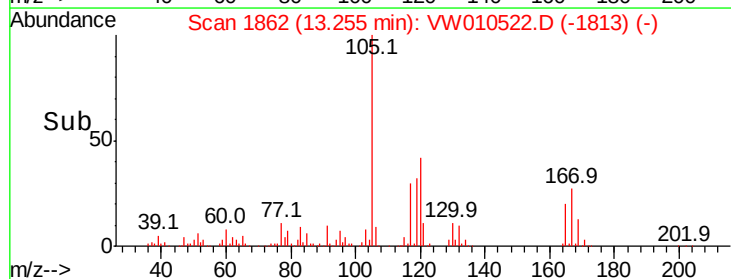
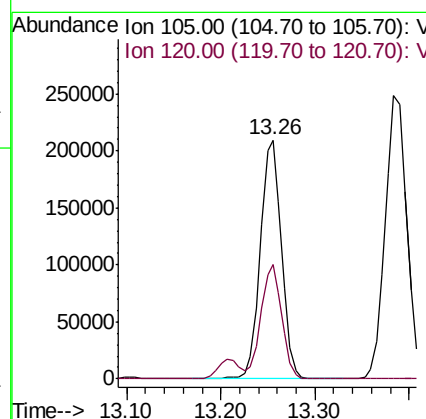
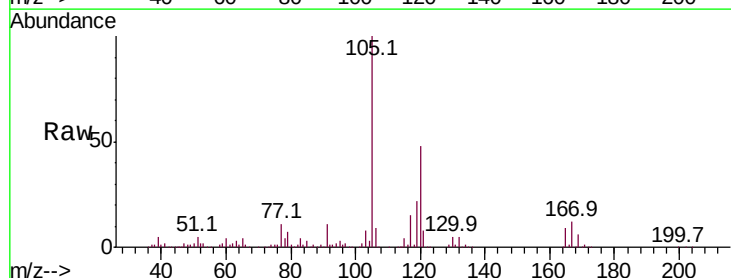
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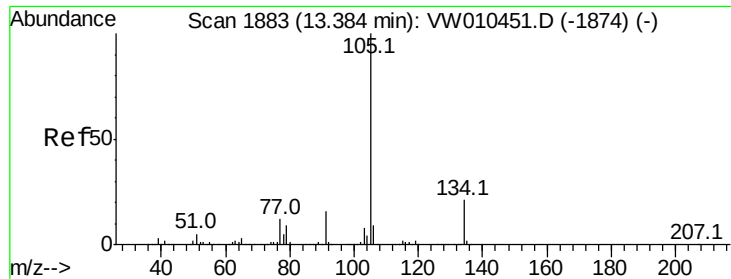
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.377 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332486		
120	46.7		23.4	70.2





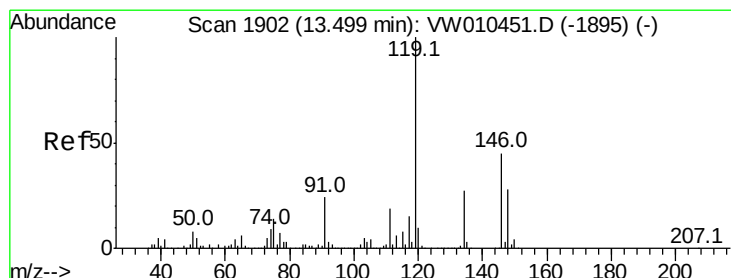
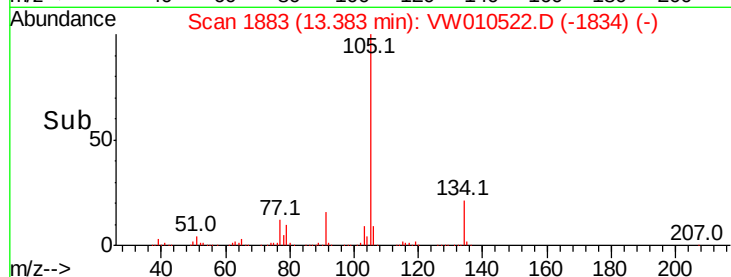
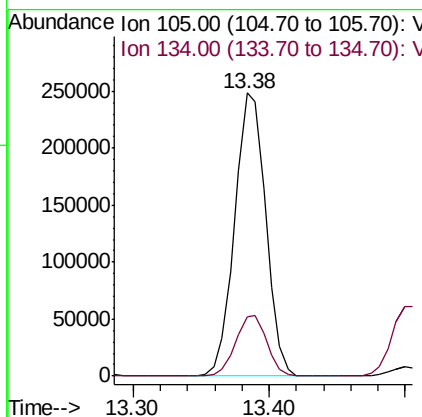
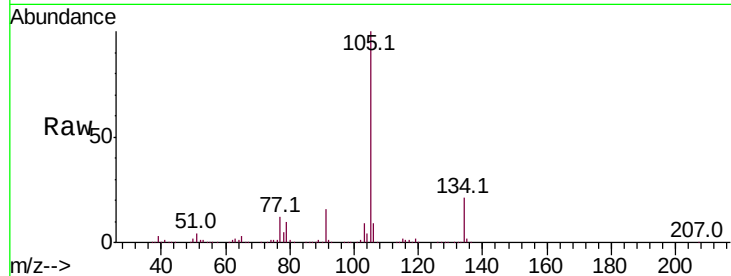
#85
 sec-Butylbenzene
 Concen: 48.655 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	394130		
134	21.5	10.5	31.6	

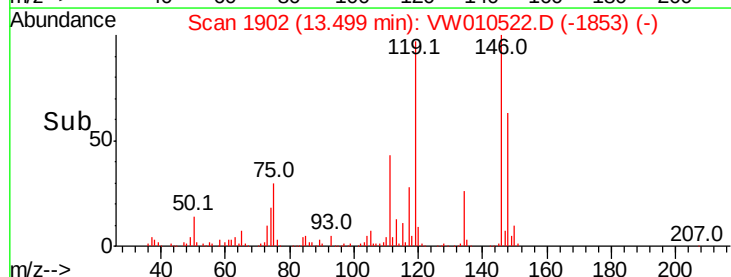
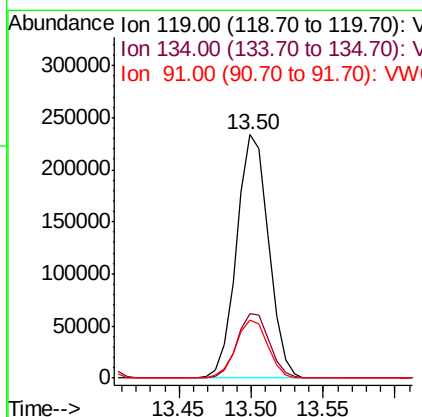
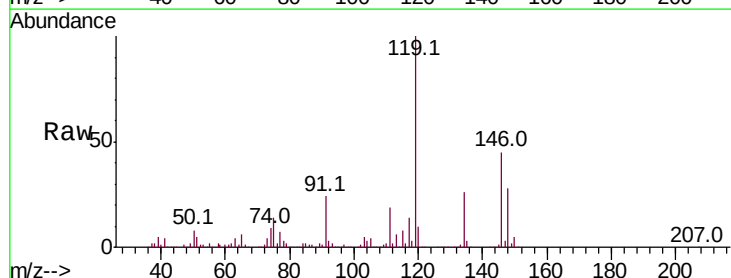
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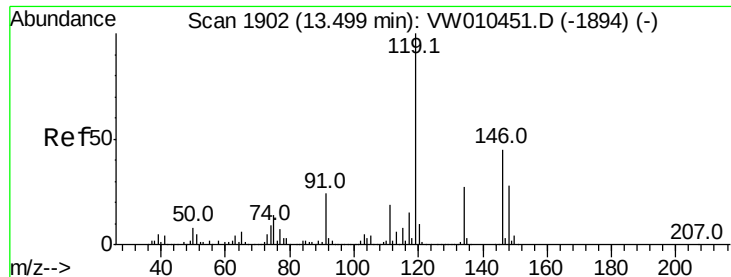
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 48.965 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	359017		
134	27.1	13.6	40.7	
91	23.9	11.9	35.7	





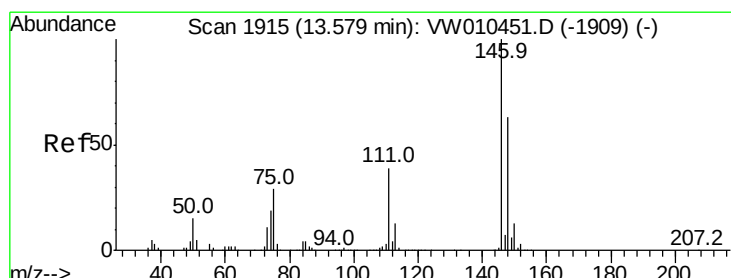
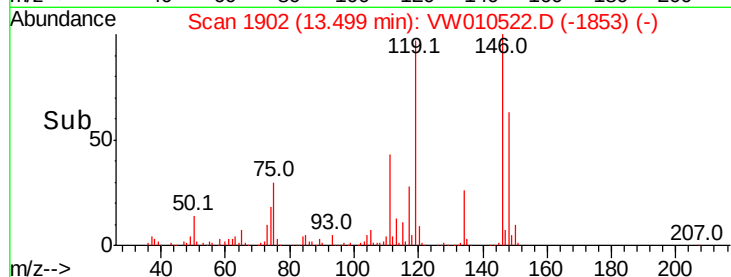
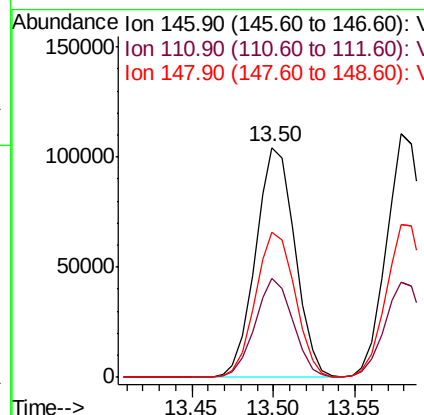
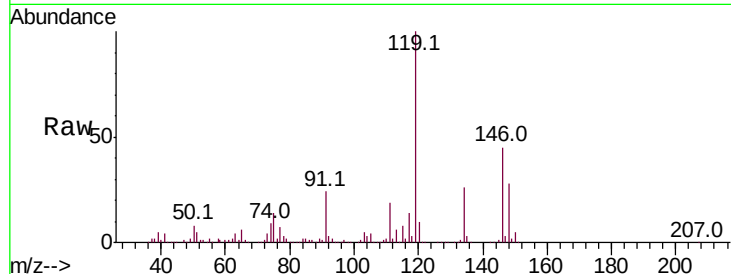
#87
 1,3-Dichlorobenzene
 Concen: 50.872 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	174755		
111	41.4	20.3	60.9	
148	63.6	31.6	94.8	

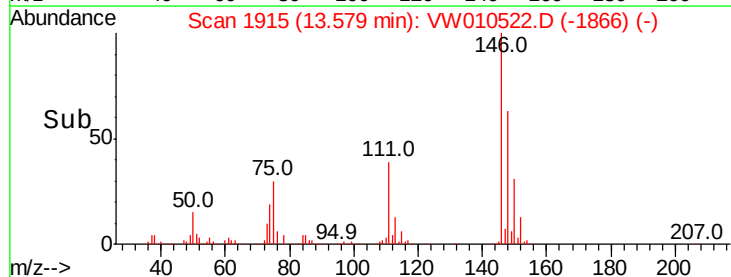
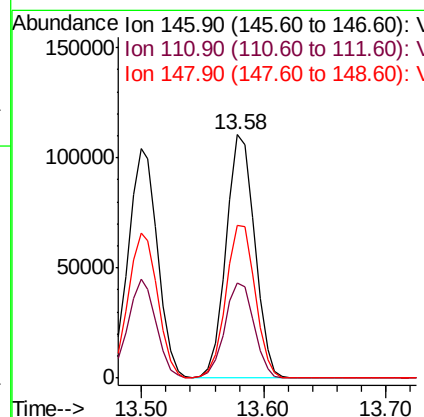
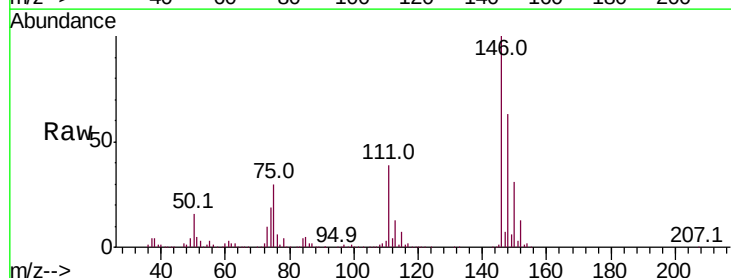
Manual Integrations
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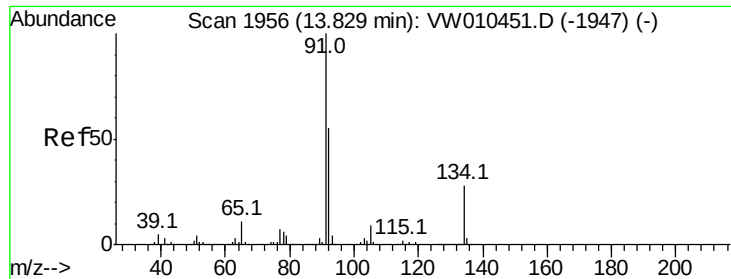
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 5/23/2019 11:41:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.024 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	179305		
111	40.2	19.9	59.6	
148	64.0	31.6	94.8	





#89

n-Butylbenzene

Concen: 47.824 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Instrument :

MSVOA_W

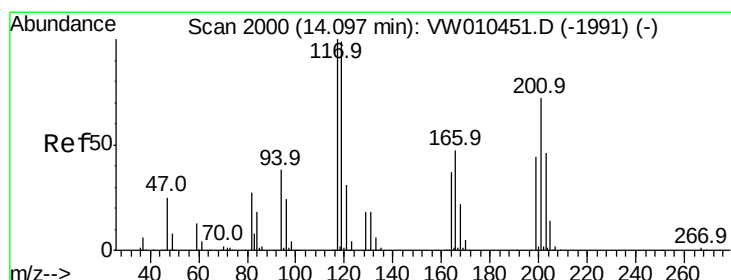
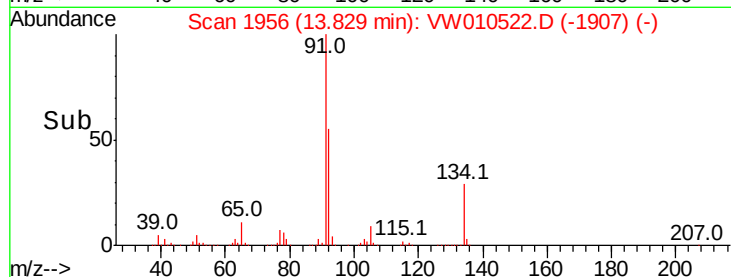
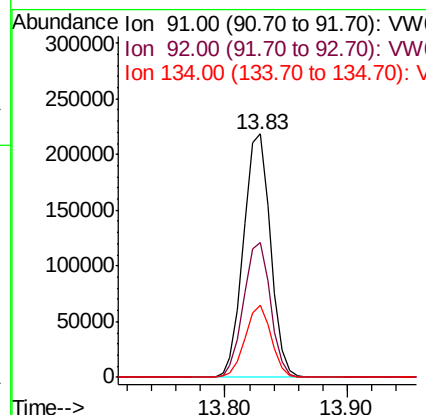
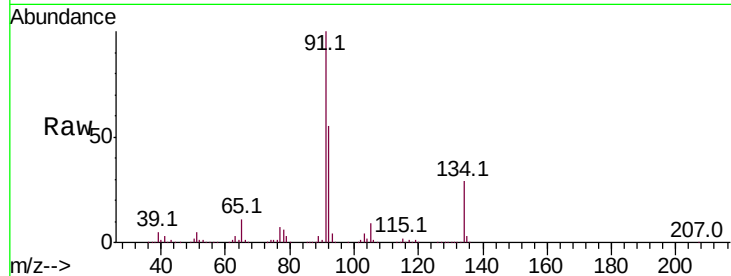
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	333532
Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.7	83.1
134	28.6	13.9	41.6

Manual Integrations
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#90

Hexachloroethane

Concen: 49.791 ug/l

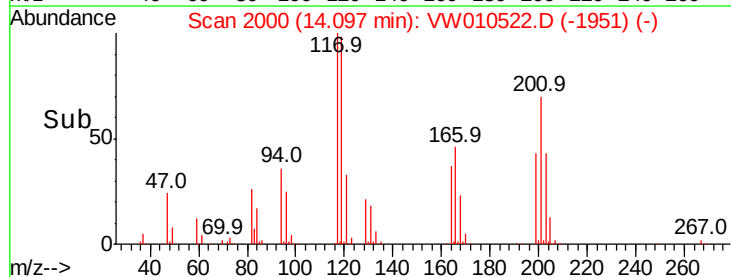
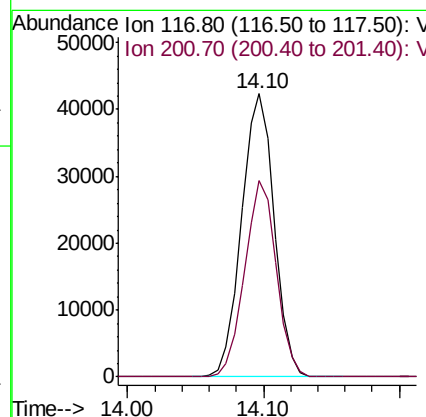
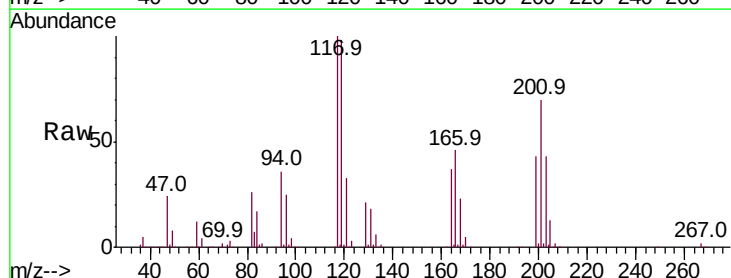
RT: 14.10 min Scan# 2000

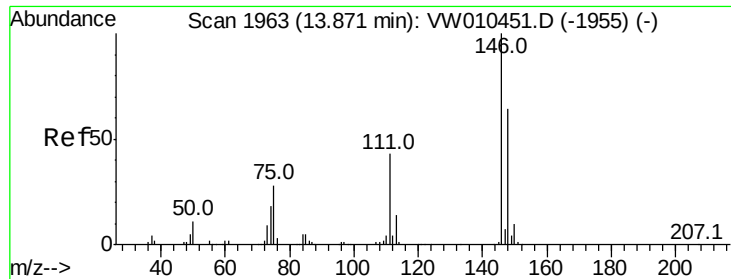
Delta R.T. -0.00 min

Lab File: VW010522.D

Acq: 22 May 2019 21:01

Tgt Ion:	117	Resp:	70663
Ion	Ratio	Lower	Upper
117	100		
201	67.6	34.6	103.8





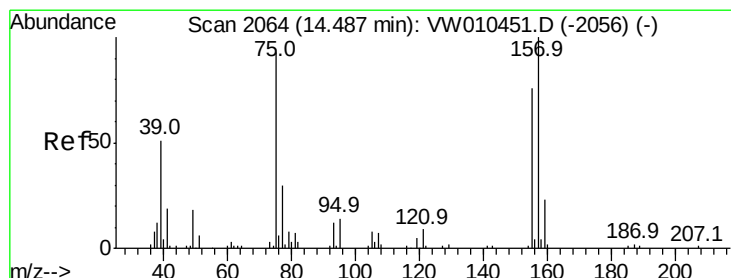
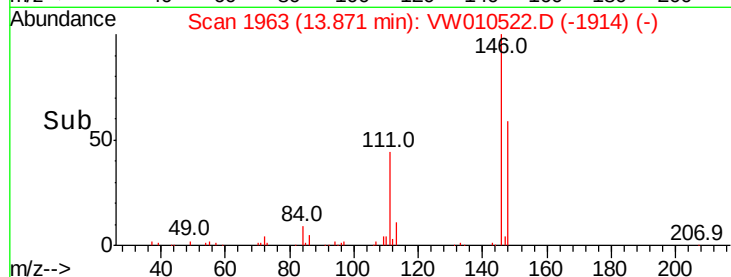
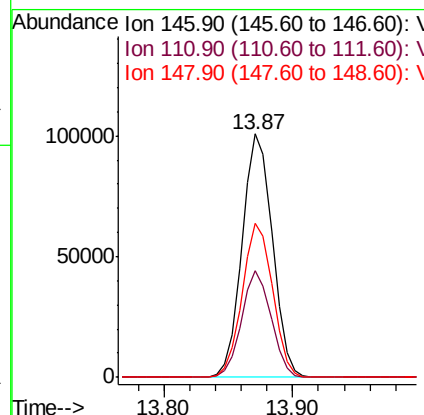
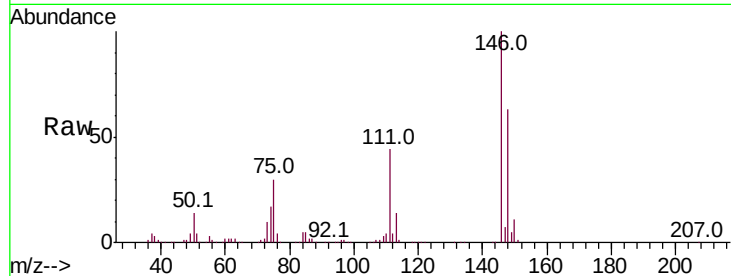
#91
 1,2-Dichlorobenzene
 Concen: 52.340 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	163825		
111	42.6	21.3	64.0	
148	63.5	32.0	96.0	

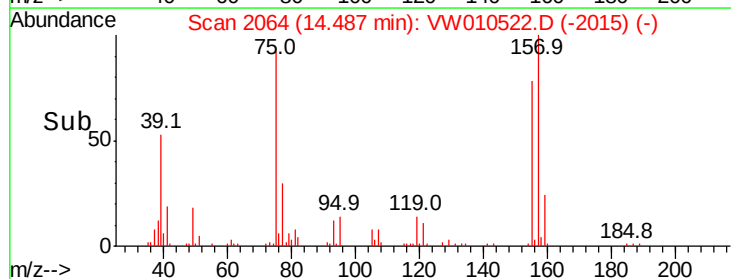
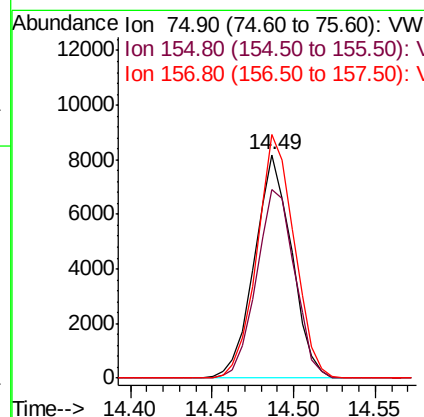
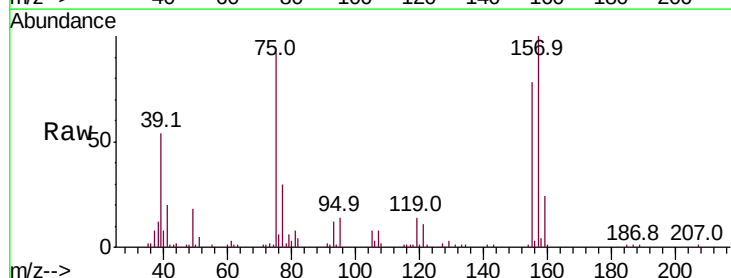
Manual Integrations
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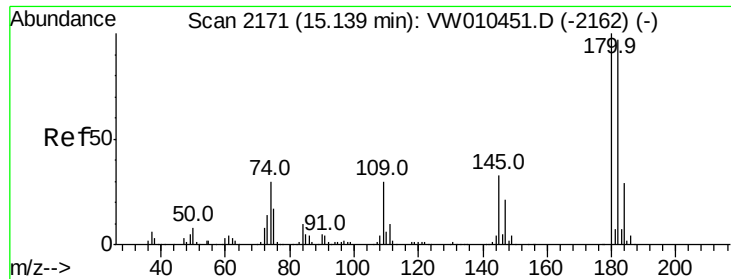
MMDadoda
 5/23/2019 11:41:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.980 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12961		
155	86.9	43.0	129.0	
157	109.4	55.7	167.1	





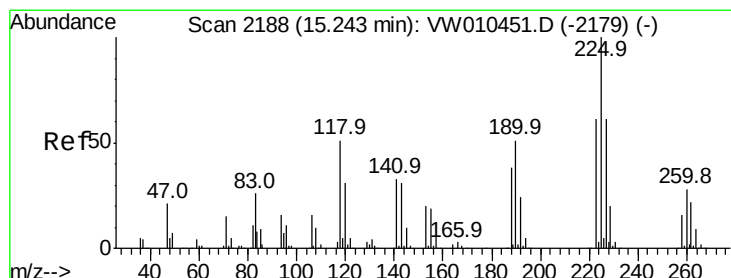
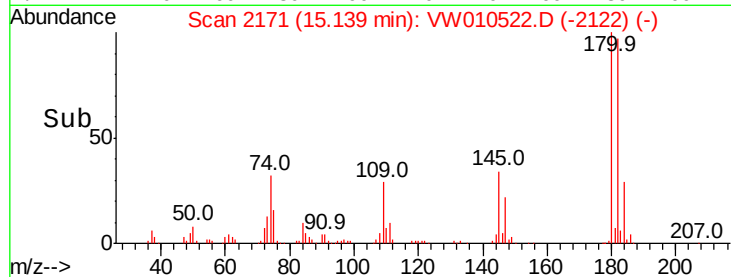
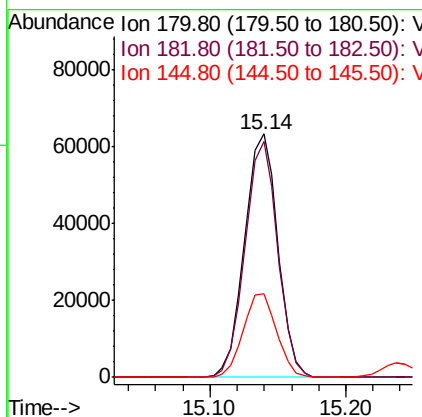
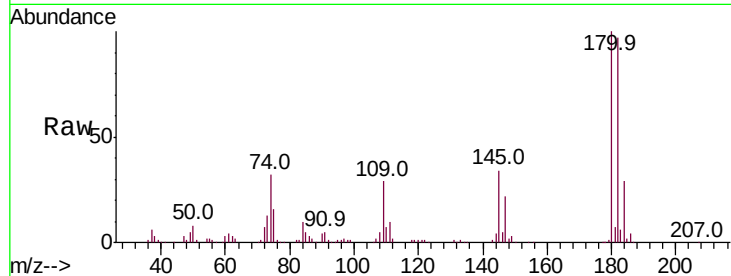
#93
 1,2,4-Trichlorobenzene
 Concen: 50.941 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	47.0	141.2	
145	34.6	16.7	50.0	

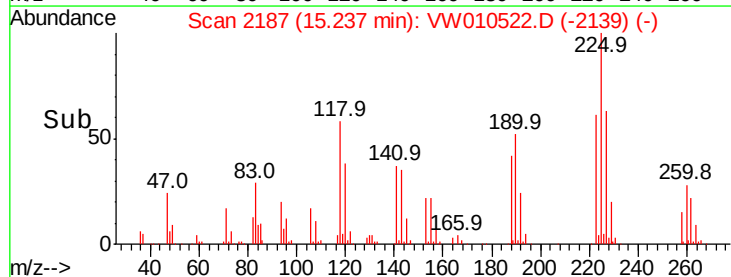
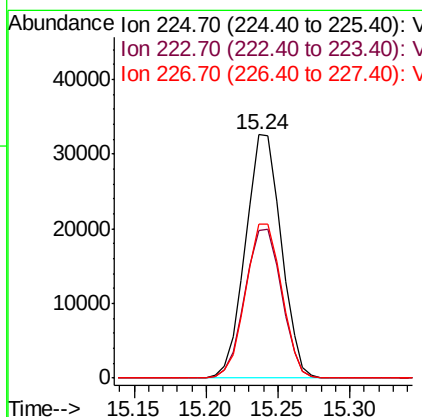
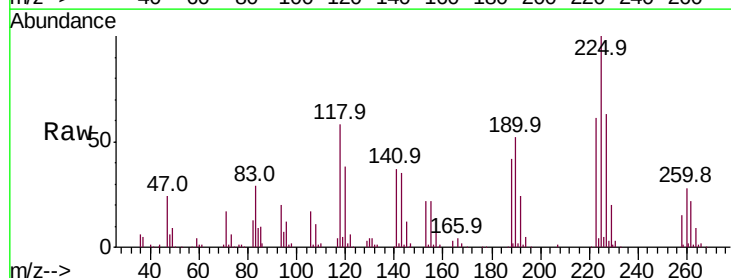
Manual Integrations
 APPROVED

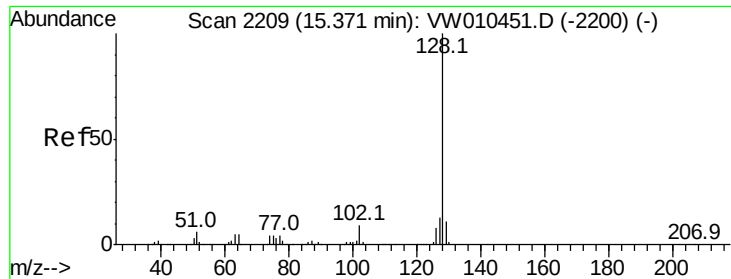
MMDadoda
 5/23/2019 11:41:56 AM



#94
 Hexachlorobutadiene
 Concen: 49.294 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010522.D
 Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.1	93.2	
227	63.8	31.1	93.5	





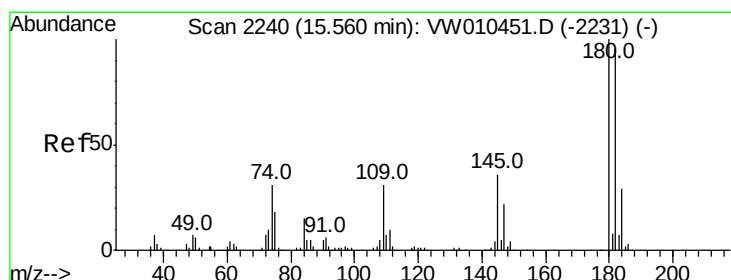
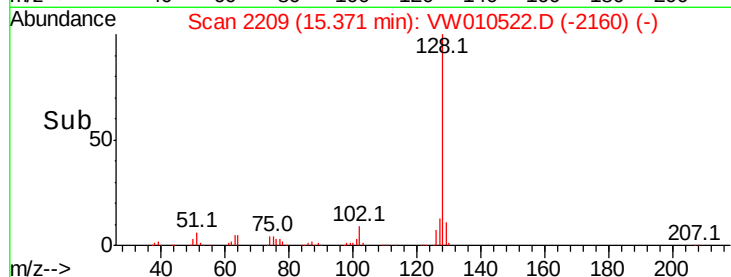
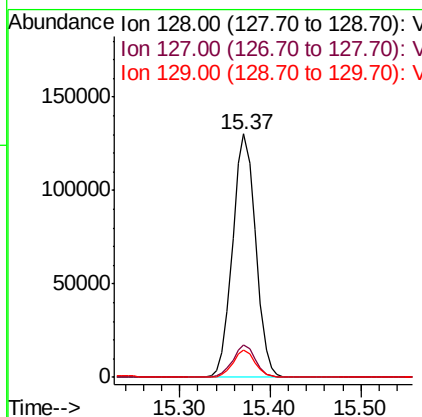
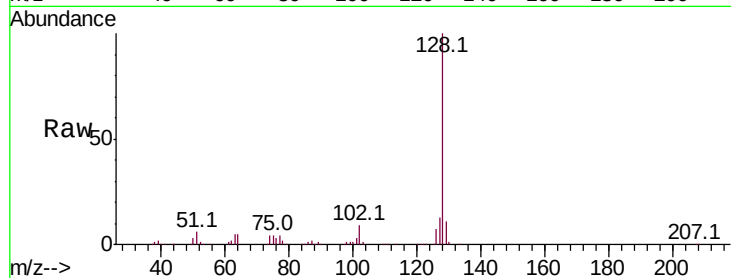
#95
Naphthalene
Concen: 51.498 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	230218		
127	13.0	10.6	15.8	
129	11.0	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
5/23/2019 11:41:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.963 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010522.D
Acq: 22 May 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	95220		
182	93.6	47.1	141.3	
145	36.4	17.4	52.3	

