

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010579.D
 Acq On : 28 May 2019 21:07
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:06:13 AM

Quant Time: May 29 08:05:06 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	127669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	201233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	69149	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
35) Dibromofluoromethane	7.88	113	70380	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.32	98	263479	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.62	95	102745	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	51377	45.144	ug/l	98
3) Chloromethane	2.21	50	55928	41.694	ug/l	98
4) Vinyl Chloride	2.35	62	61572	39.628	ug/l	97
5) Bromomethane	2.75	94	47030	43.998	ug/l	96
6) Chloroethane	2.90	64	44979	45.095	ug/l	100
7) Trichlorofluoromethane	3.25	101	111239	48.493	ug/l	98
8) Diethyl Ether	3.68	74	38199	52.532	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70020	49.565	ug/l	98
10) Methyl Iodide	4.27	142	75456	46.731	ug/l	97
11) Tert butyl alcohol	5.17	59	39687	334.822	ug/l	94
12) 1,1-Dichloroethene	4.03	96	65941	48.899	ug/l	99
13) Acrolein	3.89	56	19429	284.373	ug/l	95
14) Allyl chloride	4.67	41	95229	48.786	ug/l	99
15) Acrylonitrile	5.37	53	80243	263.496	ug/l	98
16) Acetone	4.12	43	69797	259.484	ug/l	100
17) Carbon Disulfide	4.37	76	181899	45.223	ug/l	99
18) Methyl Acetate	4.67	43	36109	54.889	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	183890	53.490	ug/l	97
20) Methylene Chloride	4.92	84	74844	47.130	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	78419	50.698	ug/l	95
22) Diisopropyl ether	6.31	45	203685	50.890	ug/l	97
23) Vinyl Acetate	6.26	43	608680	254.588	ug/l	100
24) 1,1-Dichloroethane	6.21	63	122890	51.451	ug/l	98
25) 2-Butanone	7.17	43	103104	267.843	ug/l	99
26) 2,2-Dichloropropane	7.17	77	108207	47.560	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	89014	52.933	ug/l	99
28) Bromochloromethane	7.51	49	43656	51.050	ug/l	92
29) Tetrahydrofuran	7.52	42	65704	252.241	ug/l	97
30) Chloroform	7.68	83	136409	52.947	ug/l	100
31) Cyclohexane	7.95	56	109892	43.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	124162	50.423	ug/l	98
36) 1,1-Dichloropropene	8.09	75	101328	49.388	ug/l	99
37) Ethyl Acetate	7.25	43	47163	54.057	ug/l	99
38) Carbon Tetrachloride	8.07	117	110155	49.771	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	133451	48.550	ug/l	98
40) Benzene	8.32	78	298133	52.281	ug/l	99
41) Methacrylonitrile	7.48	41	25947	50.052	ug/l	98
42) 1,2-Dichloroethane	8.40	62	86185	52.880	ug/l	100
43) Isopropyl Acetate	8.43	43	90288	51.801	ug/l	99
44) Trichloroethene	9.09	130	90653	53.547	ug/l	98
45) 1,2-Dichloropropane	9.37	63	71125	52.517	ug/l	100
46) Dibromomethane	9.46	93	43030	54.328	ug/l	95
47) Bromodichloromethane	9.65	83	105062	52.785	ug/l	99
48) Methyl methacrylate	9.43	41	40886	51.274	ug/l	97
49) 1,4-Dioxane	9.45	88	14979	1157.711	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	236902	268.227	ug/l	99
52) Toluene	10.39	92	200772	52.426	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	104573	51.876	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	120117	52.176	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	63488	55.742	ug/l	98
56) Ethyl methacrylate	10.65	69	82830	52.730	ug/l	99
57) 1,3-Dichloropropane	10.93	76	104936	55.003	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	180252	259.072	ug/l	98
59) 2-Hexanone	10.97	43	166868	264.853	ug/l	98
60) Dibromochloromethane	11.13	129	81465	56.515	ug/l	97
61) 1,2-Dibromoethane	11.24	107	63718	55.227	ug/l	99
64) Tetrachloroethene	10.86	164	77272	55.085	ug/l	99
65) Chlorobenzene	11.66	112	226866	52.898	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	83854	54.581	ug/l	99
67) Ethyl Benzene	11.73	91	382142	50.468	ug/l	100
68) m/p-Xylenes	11.84	106	301914	101.656	ug/l	99
69) o-Xylene	12.16	106	145590	51.740	ug/l	98
70) Styrene	12.18	104	251197	52.614	ug/l	99
71) Bromoform	12.35	173	47193	55.782	ug/l #	98
73) Isopropylbenzene	12.46	105	386627	48.766	ug/l	100
74) N-amyl acetate	12.27	43	89633	49.336	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	74713	51.811	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	40408m	39.844	ug/l	
77) Bromobenzene	12.75	156	95156	53.634	ug/l	95
78) n-propylbenzene	12.80	91	438674	47.479	ug/l	99
79) 2-Chlorotoluene	12.90	91	261516	48.808	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	332703	49.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22940	47.208	ug/l	98
82) 4-Chlorotoluene	12.99	91	274302	49.322	ug/l	99
83) tert-Butylbenzene	13.21	119	283620	48.355	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	329513	49.272	ug/l	99
85) sec-Butylbenzene	13.38	105	393494	47.939	ug/l	99
86) p-Isopropyltoluene	13.50	119	359381	48.372	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	181198	52.056	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	183570	52.563	ug/l	100
89) n-Butylbenzene	13.83	91	332973	47.118	ug/l	99
90) Hexachloroethane	14.10	117	70580	49.081	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	169643	53.488	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13809	51.500	ug/l	94

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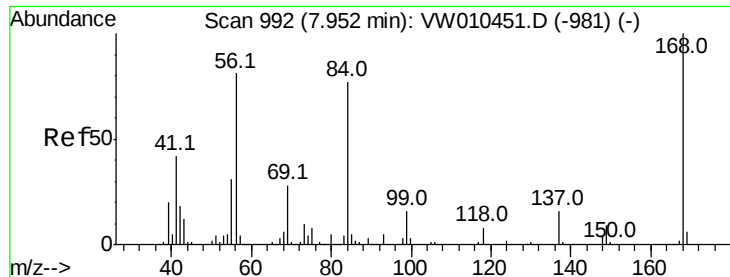
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	117985	54.675	ug/l	99
94) Hexachlorobutadiene	15.24	225	61449	53.304	ug/l	97
95) Naphthalene	15.37	128	244300	53.932	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	104405	56.228	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 127669

Ion Ratio Lower Upper

168 100

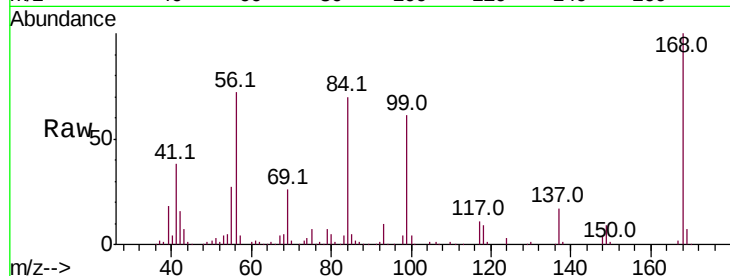
99 60.6 46.1 69.1

Manual Integrations

APPROVED

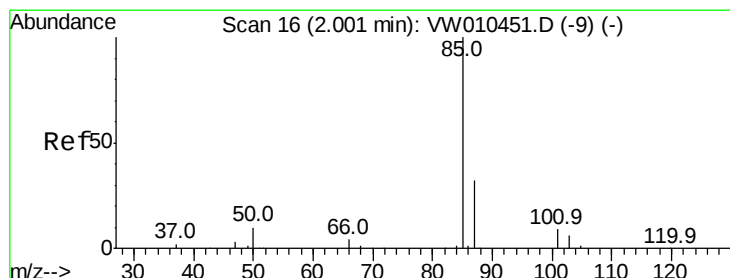
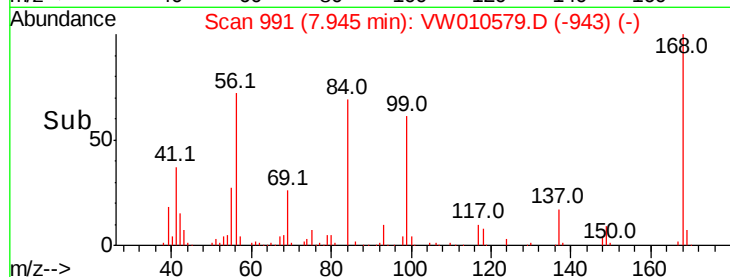
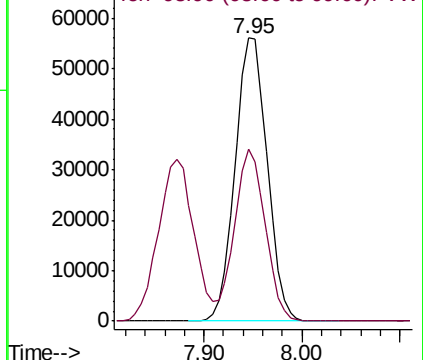
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.144 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010579.D

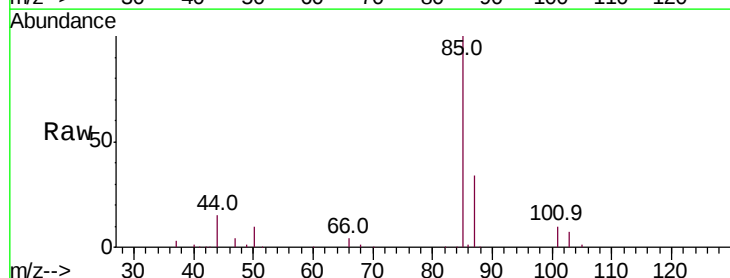
Acq: 28 May 2019 21:07

Tgt Ion: 85 Resp: 51377

Ion Ratio Lower Upper

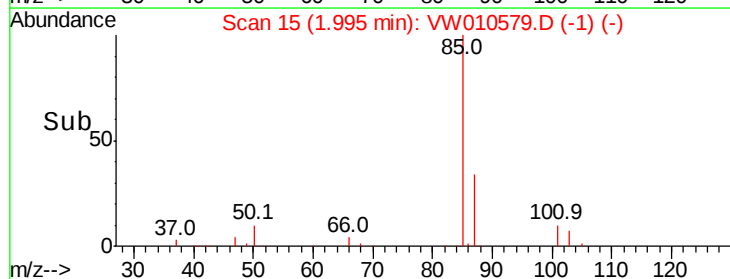
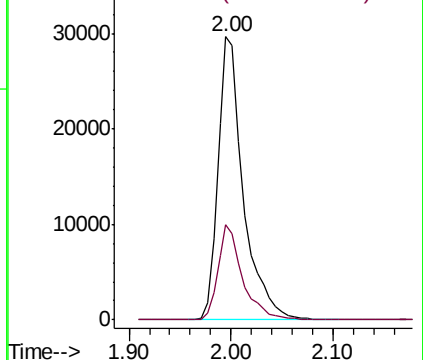
85 100

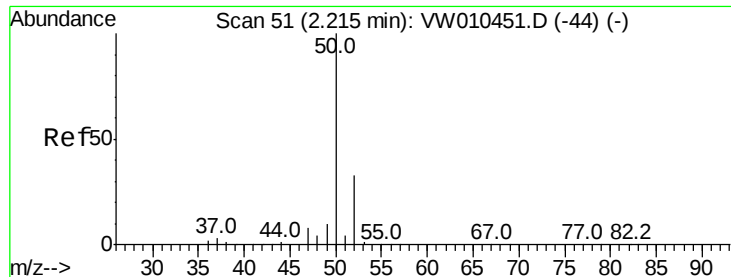
87 33.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 41.694 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 55928

Ion Ratio Lower Upper

50 100

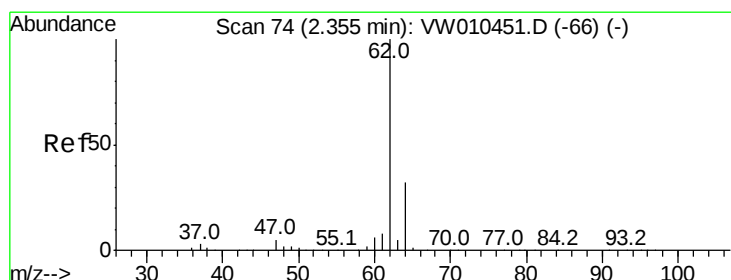
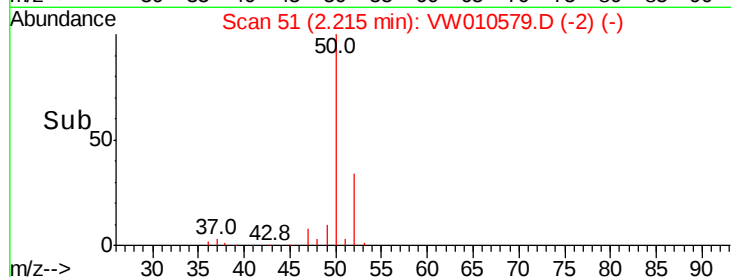
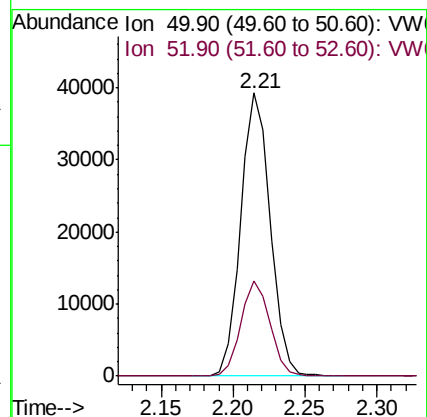
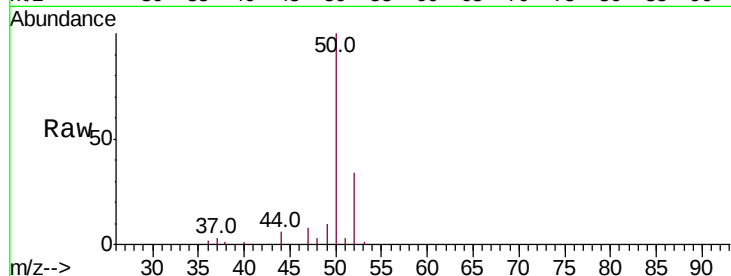
52 33.8 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 39.628 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010579.D

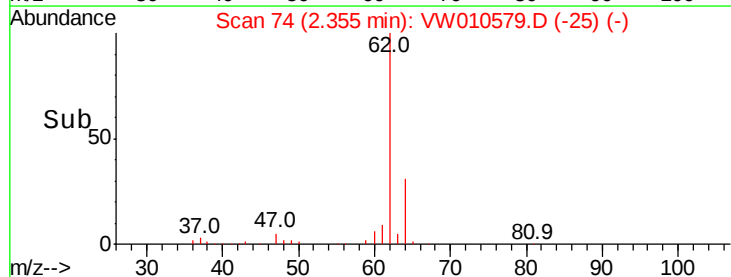
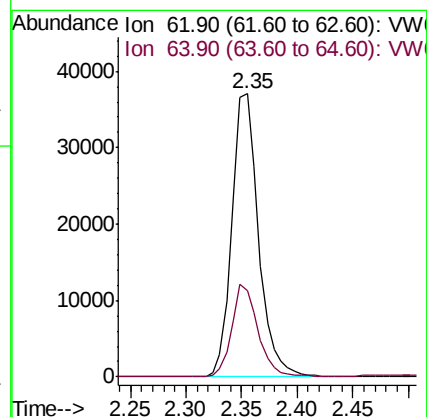
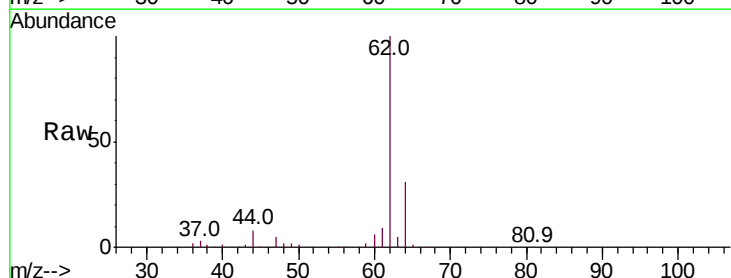
Acq: 28 May 2019 21:07

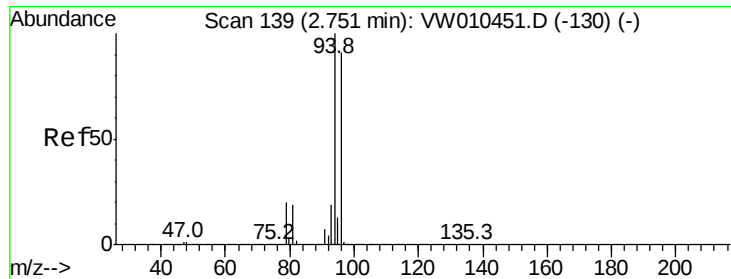
Tgt Ion: 62 Resp: 61572

Ion Ratio Lower Upper

62 100

64 30.6 25.8 38.8





#5

Bromomethane

Concen: 43.998 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

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VSTDCCC050EC

Tot Ion: 94 Resp: 47030

Ion Ratio Lower Upper

94 100

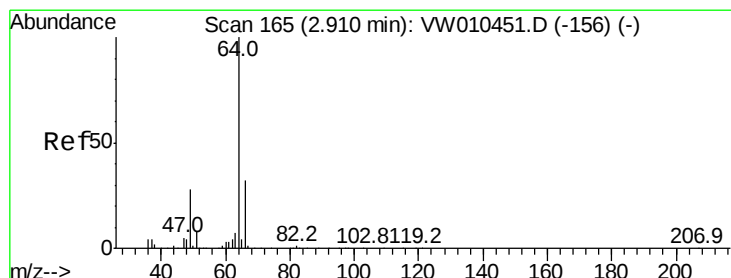
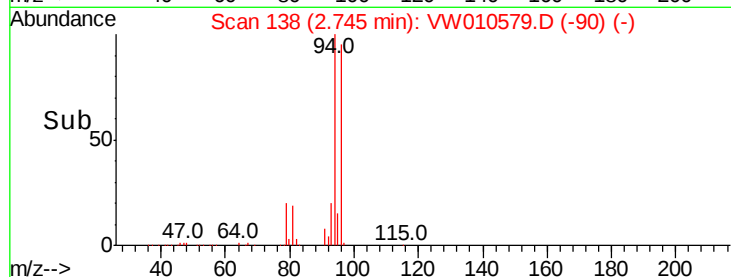
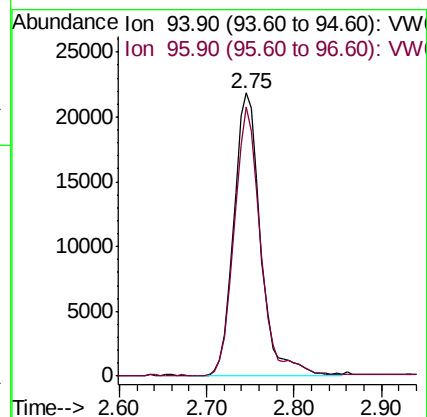
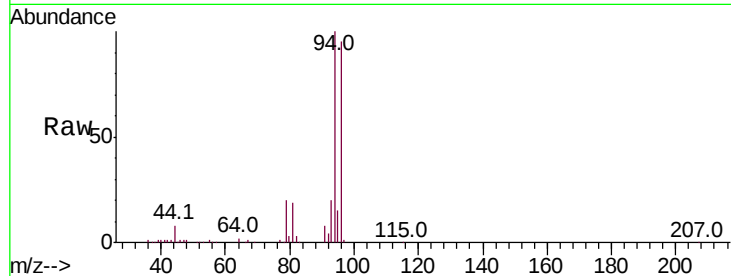
96 94.9 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 45.095 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010579.D

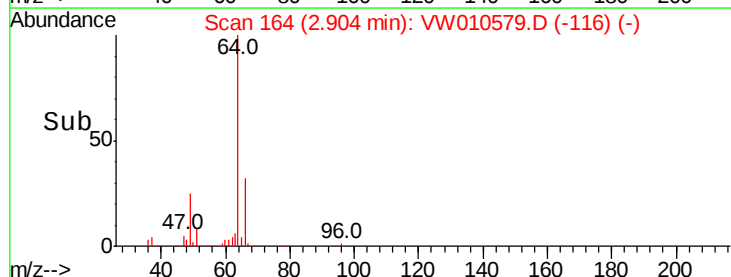
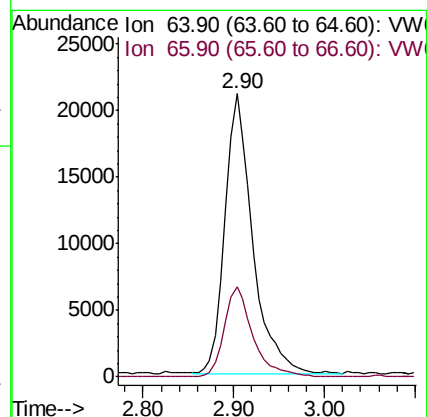
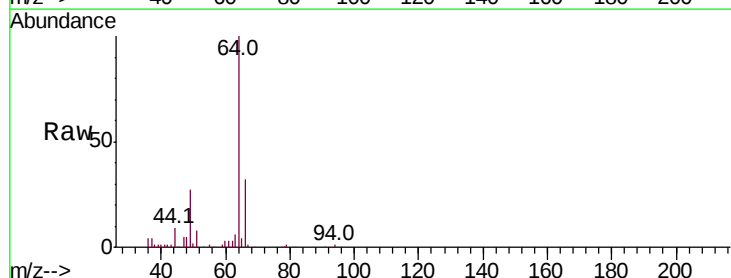
Acq: 28 May 2019 21:07

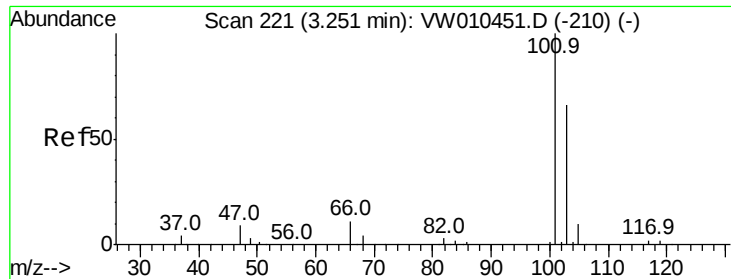
Tgt Ion: 64 Resp: 44979

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

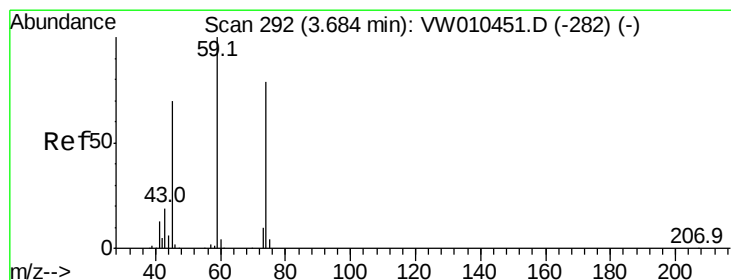
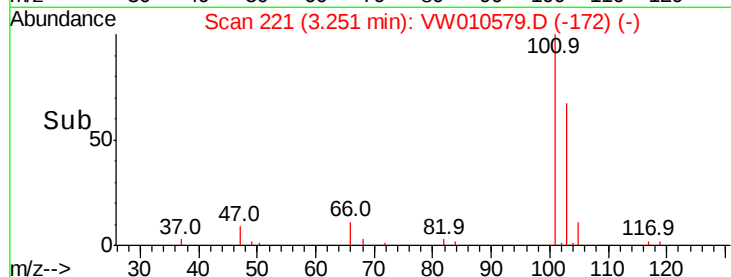
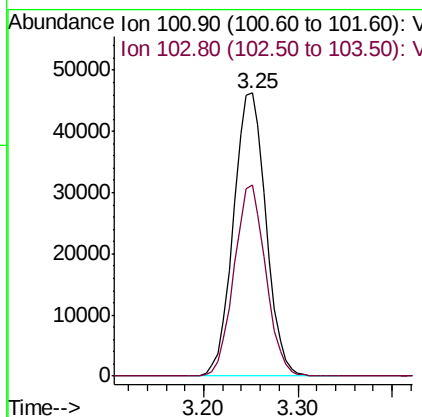
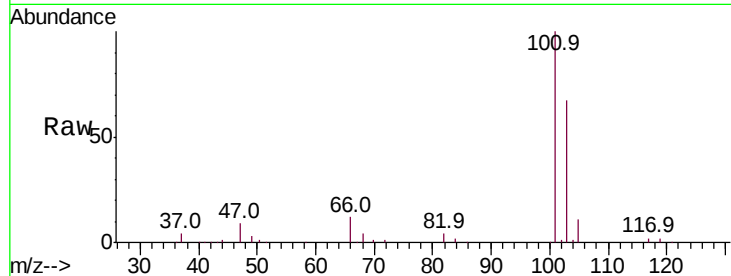
Trichlorofluoromethane
 Concen: 48.493 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	53.0	79.4

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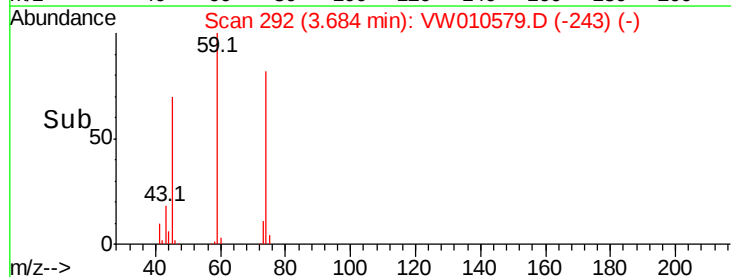
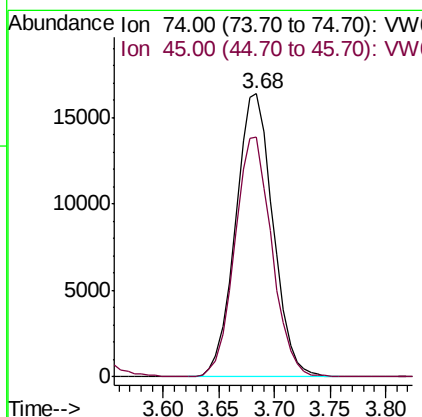
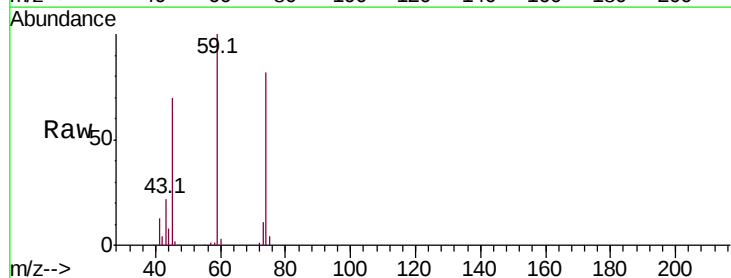
MMDadoda
 5/29/2019 11:06:13 AM

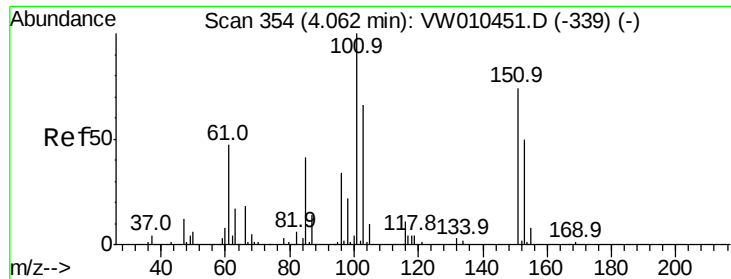


#8

Diethyl Ether
 Concen: 52.532 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.0	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.565 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

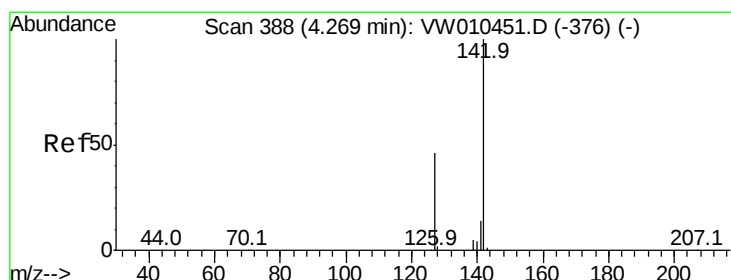
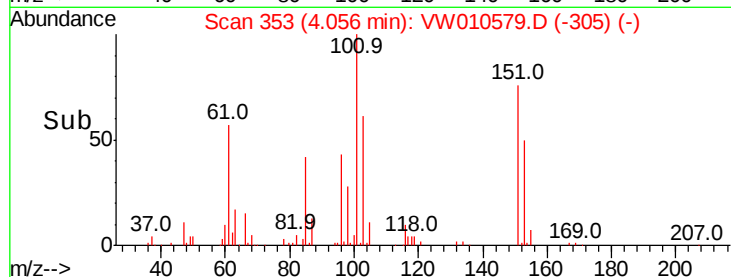
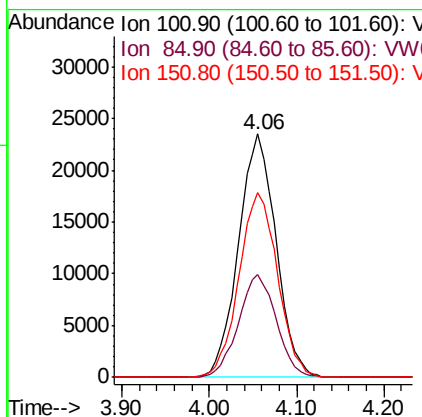
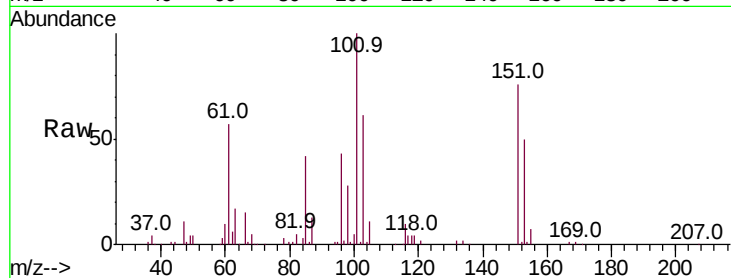
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	70020
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.3	51.5
151	78.3	60.3	90.5

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#10

Methyl Iodide

Concen: 46.731 ug/l

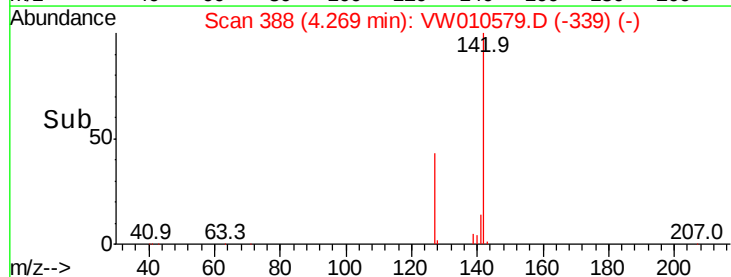
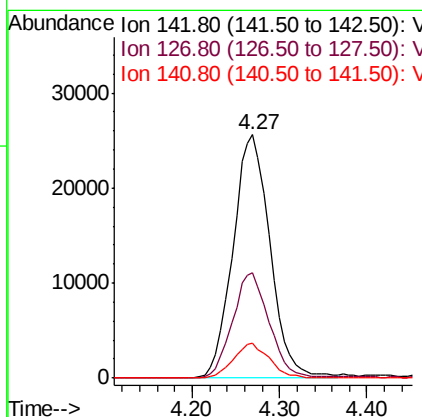
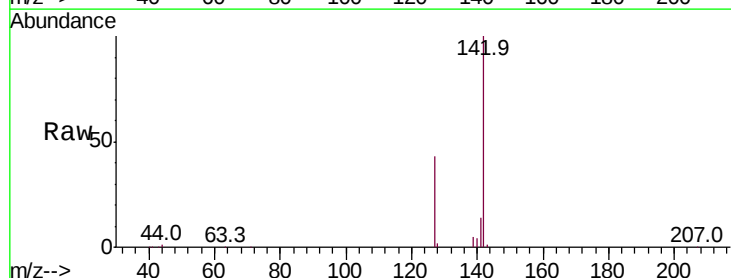
RT: 4.27 min Scan# 388

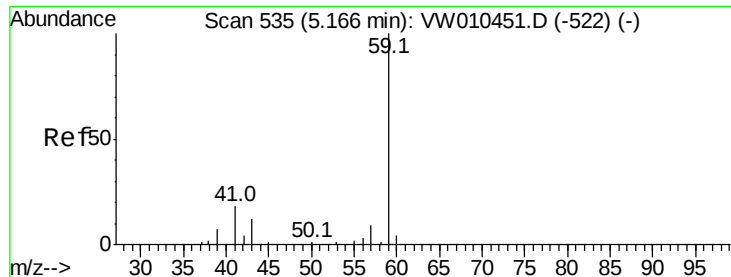
Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion:	142	Resp:	75456
Ion Ratio	Lower	Upper	
142	100		
127	42.6	36.1	54.1
141	14.0	11.3	16.9





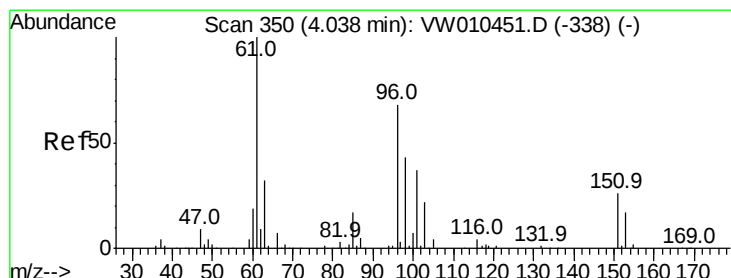
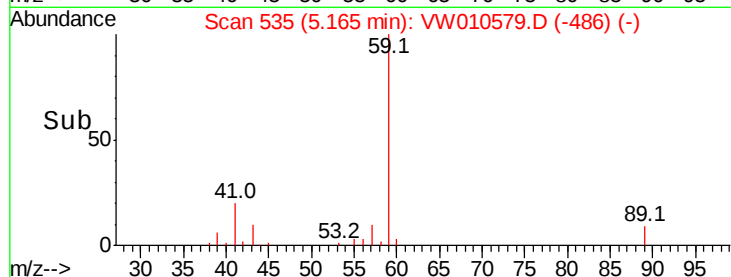
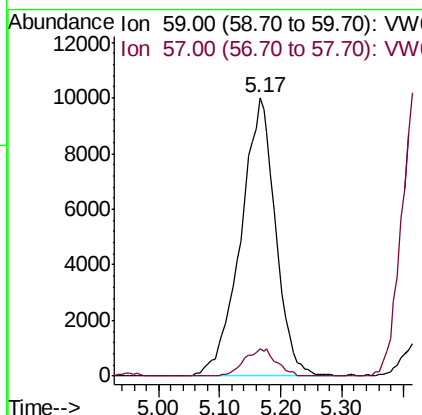
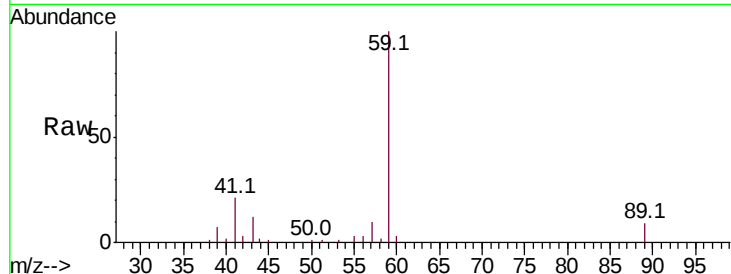
#11
Tert butyl alcohol
Concen: 334.822 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	8.9		8.8	13.2

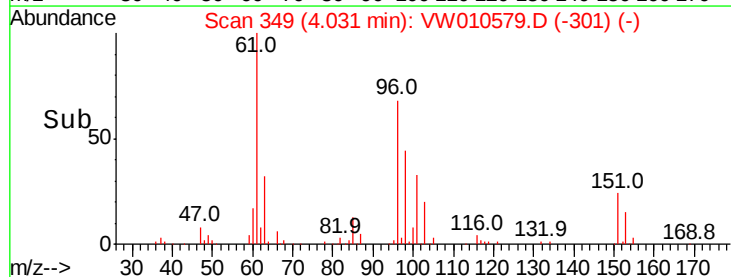
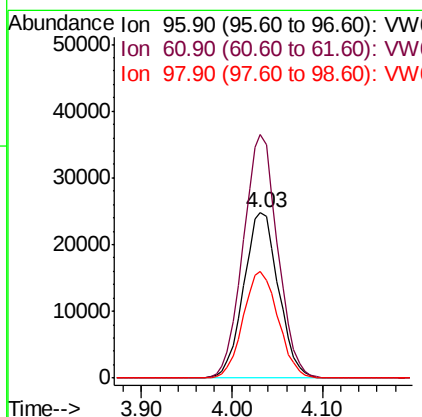
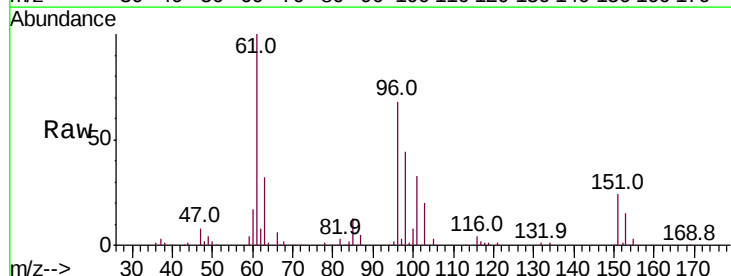
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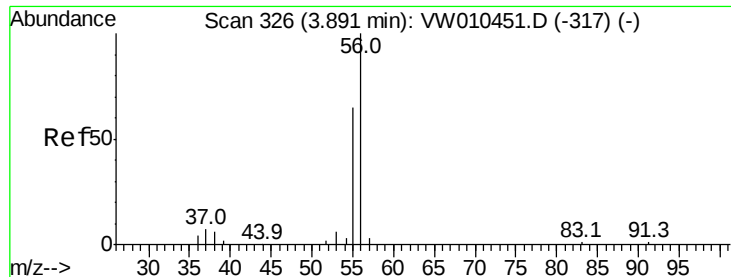
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#12
1,1-Dichloroethene
Concen: 48.899 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.4		118.3	177.5
98	64.8		51.0	76.6





#13

Acrolein

Concen: 284.373 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 19429

Ion Ratio Lower Upper

56 100

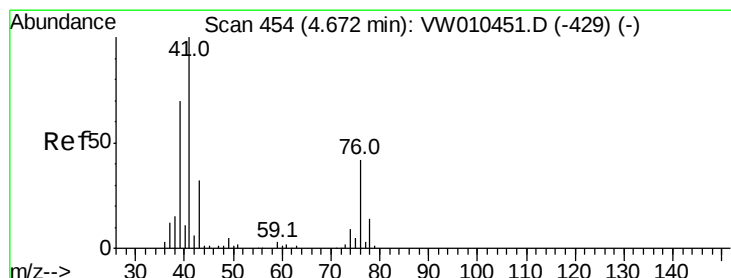
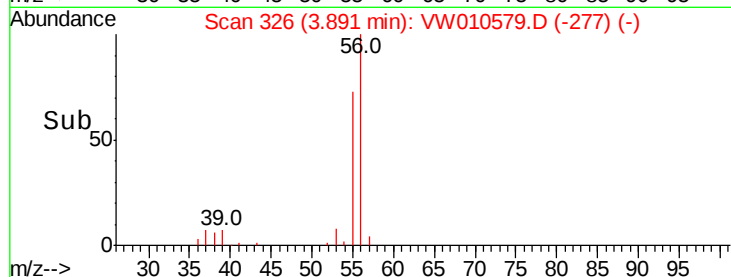
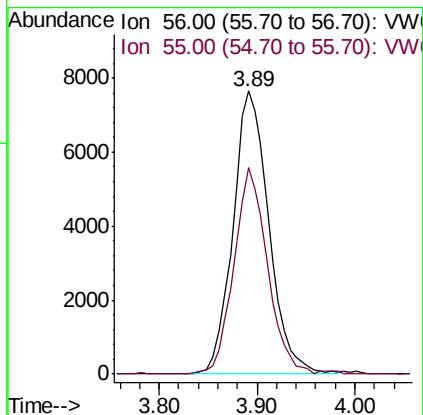
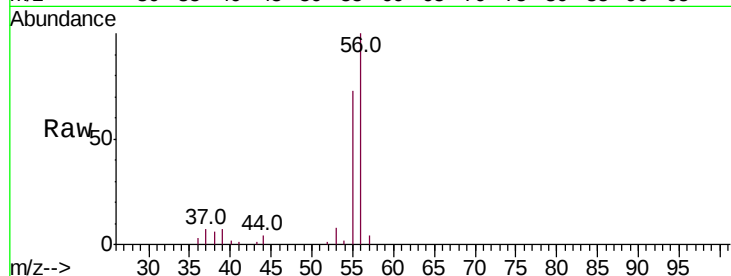
55 68.1 57.9 86.9

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#14

Allyl chloride

Concen: 48.786 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

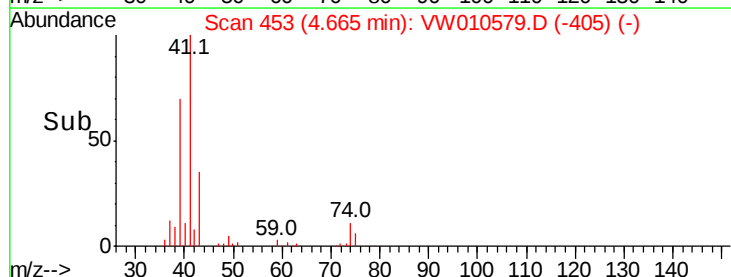
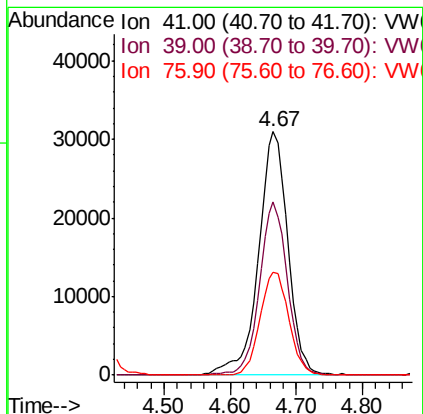
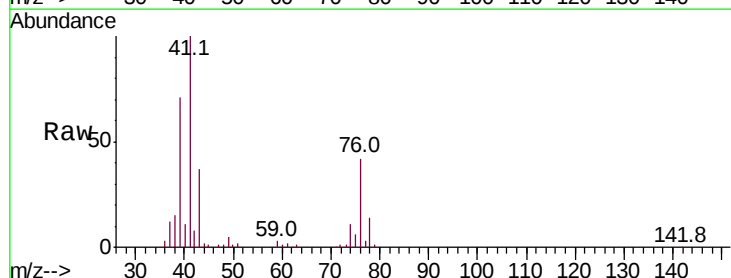
Tgt Ion: 41 Resp: 95229

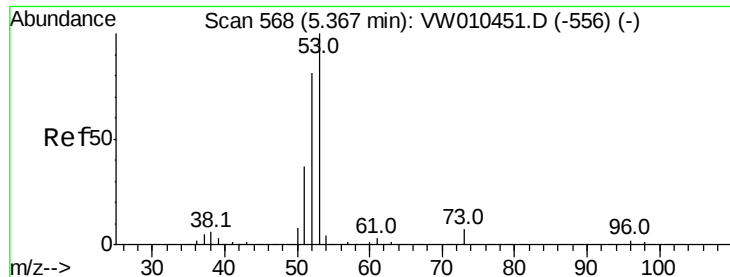
Ion Ratio Lower Upper

41 100

39 67.6 55.0 82.4

76 41.5 32.8 49.2





#15

Acrylonitrile

Concen: 263.496 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

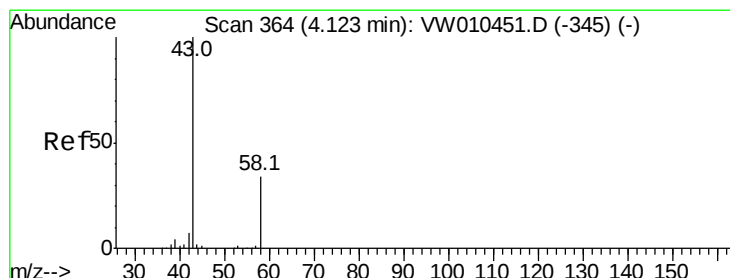
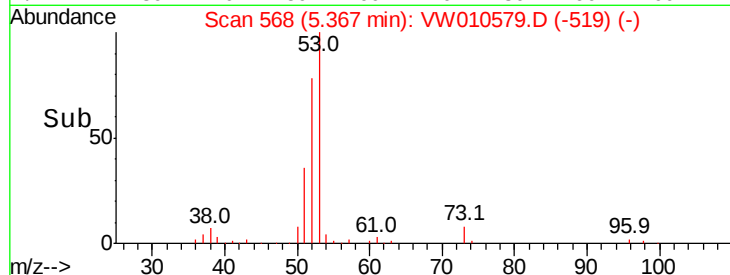
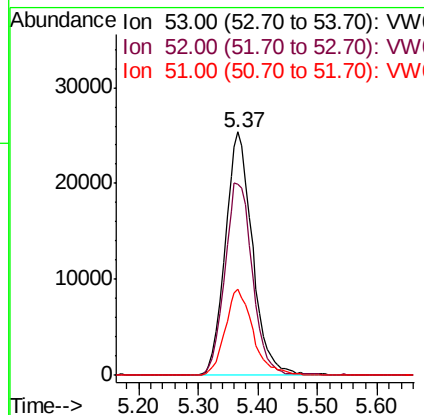
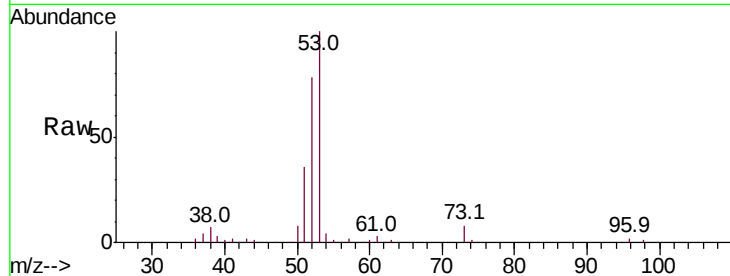
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	80243
Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.6	98.4
51	36.4	29.5	44.3

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#16

Acetone

Concen: 259.484 ug/l

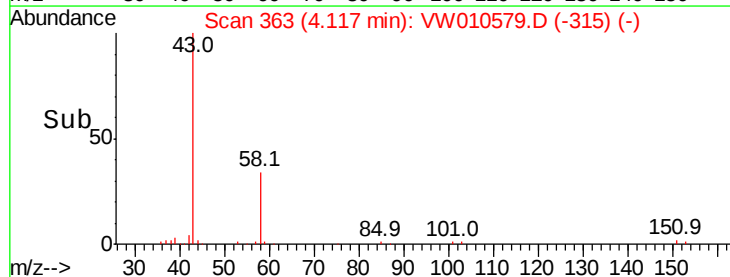
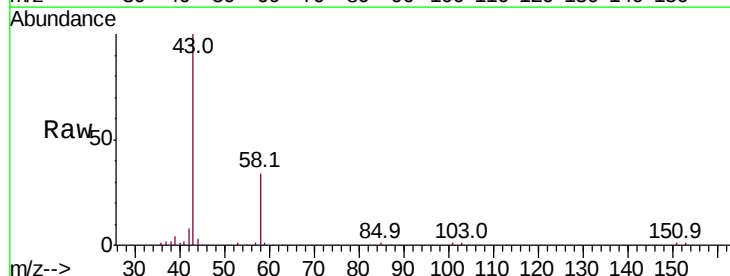
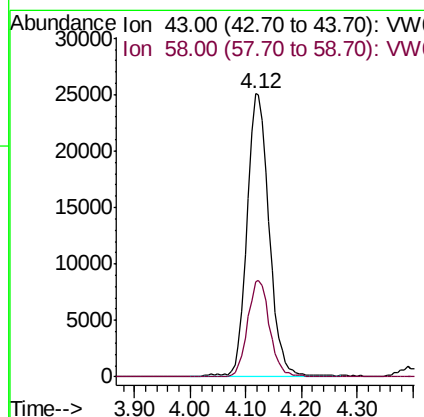
RT: 4.12 min Scan# 363

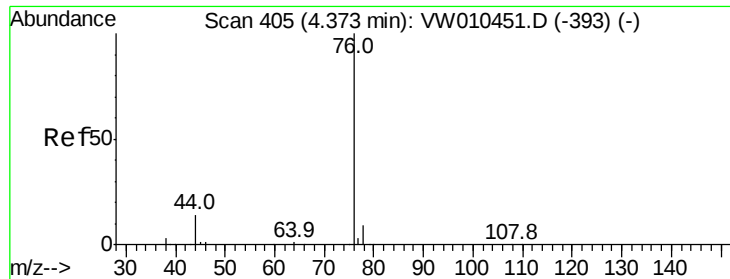
Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion:	43	Resp:	69797
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.0	40.4





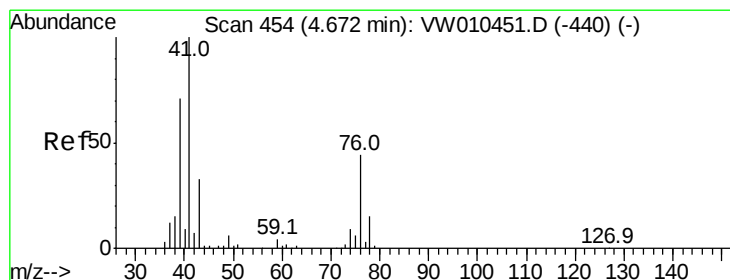
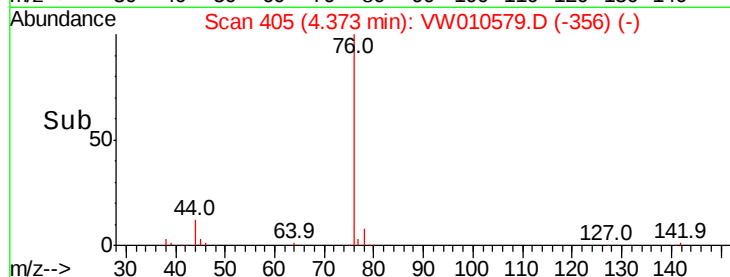
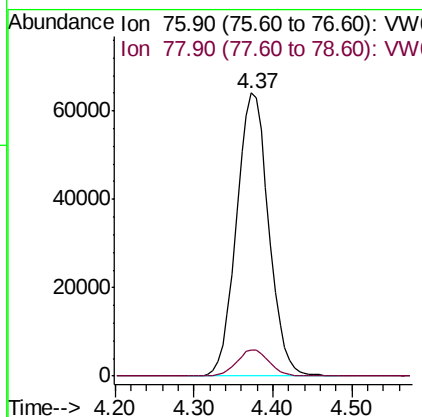
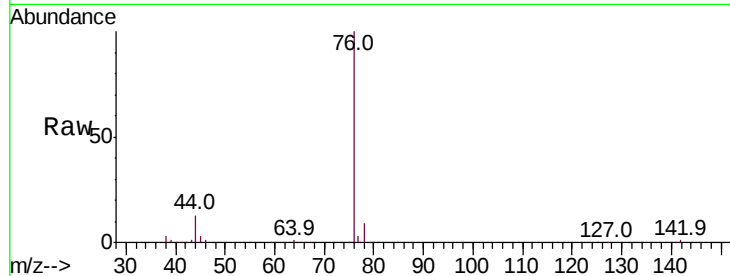
#17
Carbon Disulfide
Concen: 45.223 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

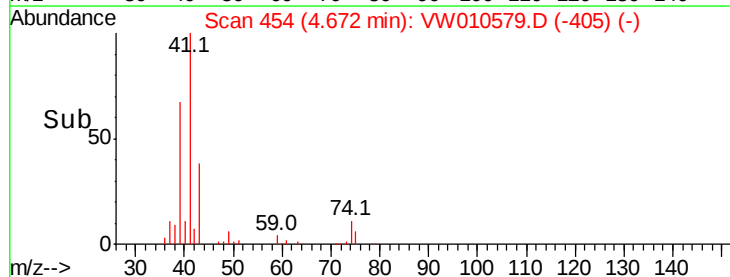
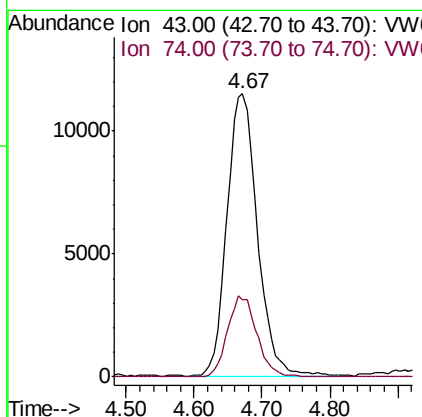
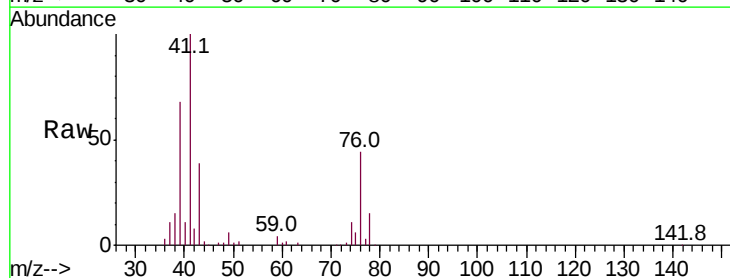
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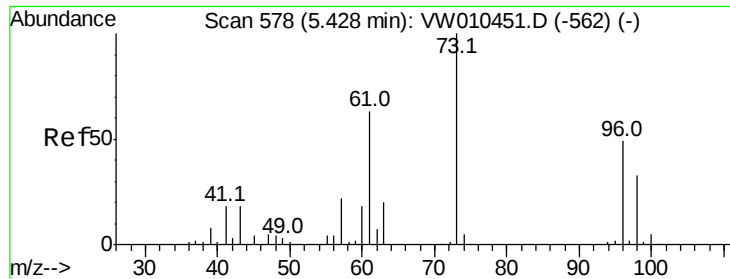
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#18
Methyl Acetate
Concen: 54.889 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.6	32.4





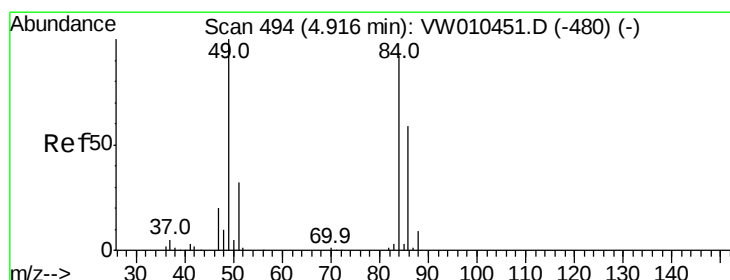
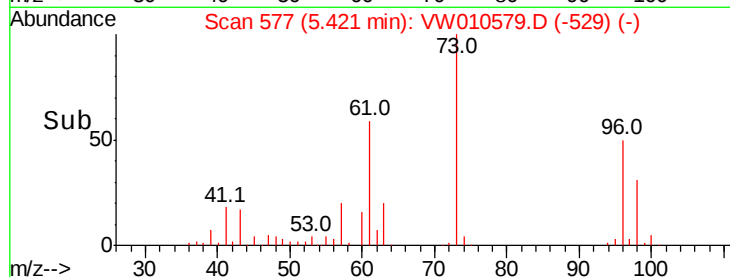
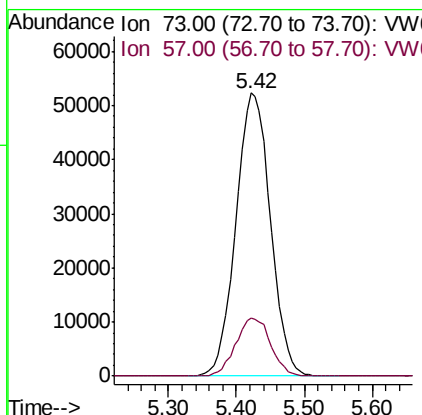
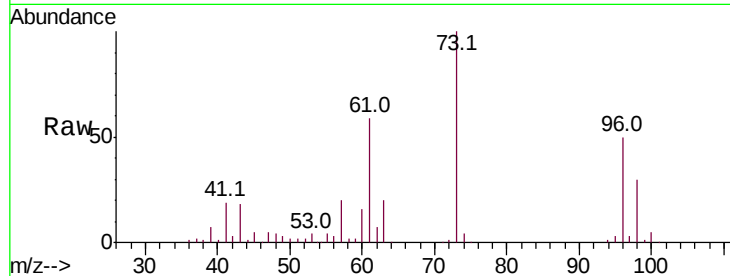
#19
Methvl tert-butvl Ether
Concen: 53.490 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 183890
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0

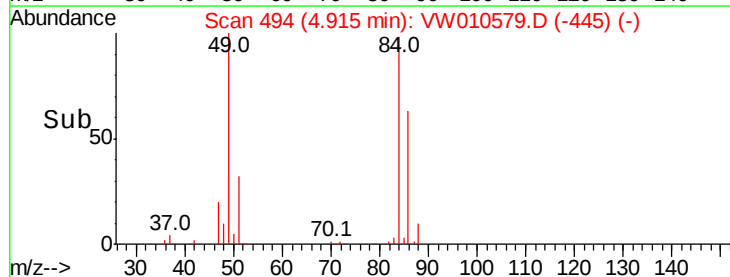
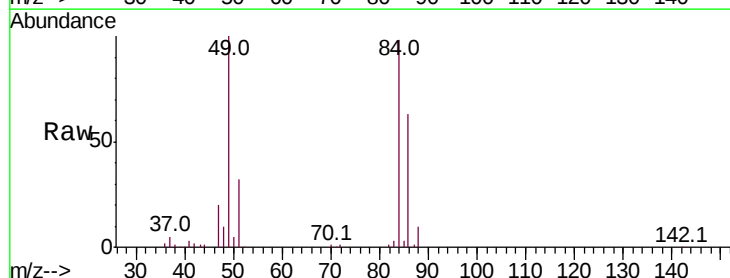
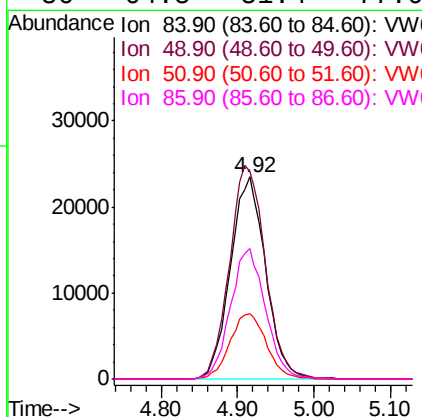
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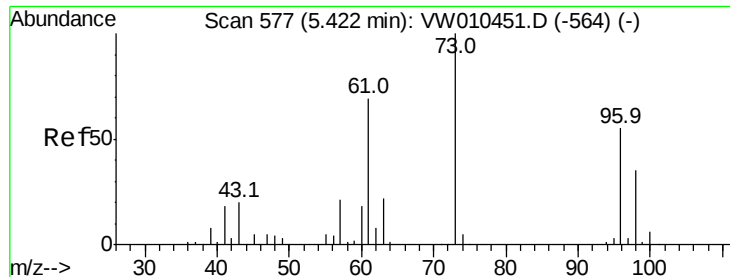
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#20
Methylene Chloride
Concen: 47.130 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 84 Resp: 74844
Ion Ratio Lower Upper
84 100
49 102.5 87.2 130.8
51 32.6 27.7 41.5
86 64.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.698 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 78419

Ion Ratio Lower Upper

96 100

61 119.2 101.4 152.0

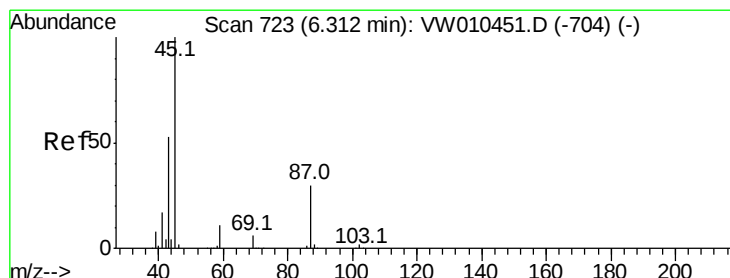
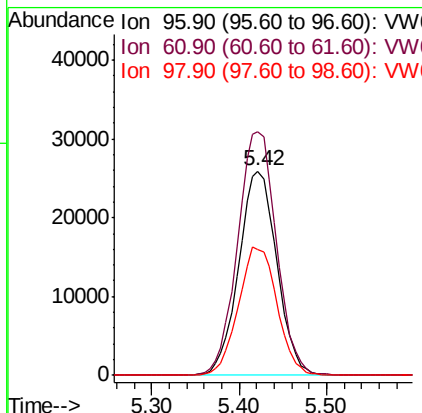
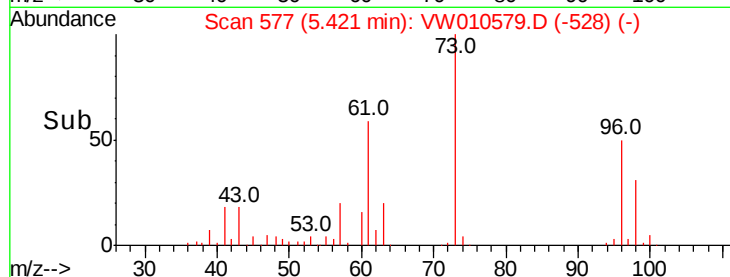
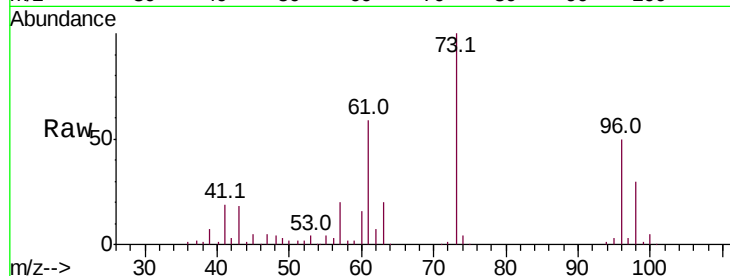
98 61.5 50.6 76.0

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#22

Diisopropyl ether

Concen: 50.890 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion: 45 Resp: 203685

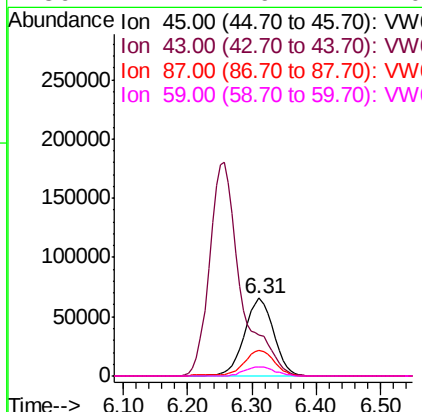
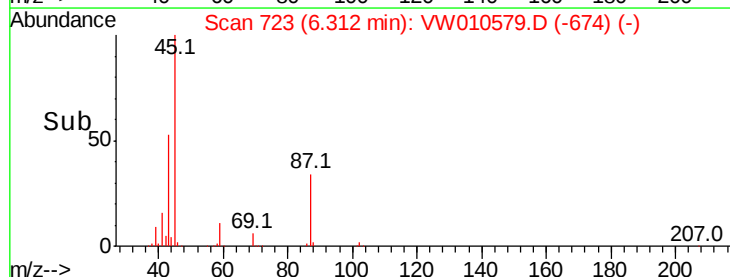
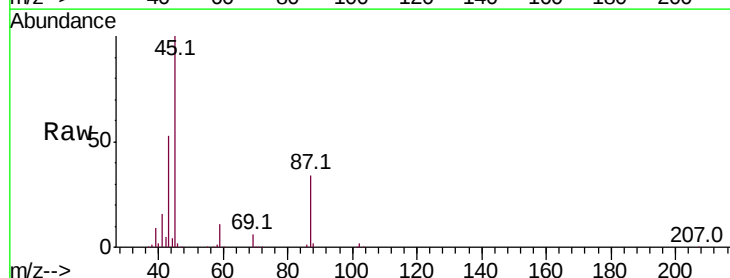
Ion Ratio Lower Upper

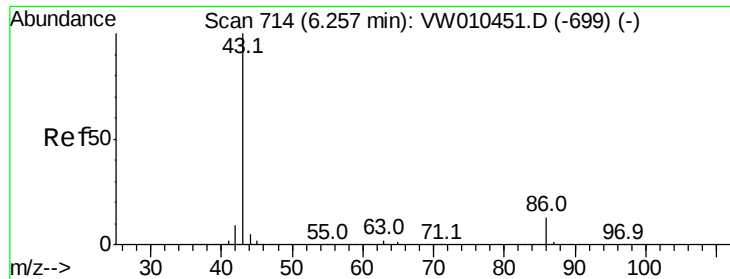
45 100

43 52.7 42.9 64.3

87 33.8 24.6 36.8

59 11.4 9.4 14.0





#23

Vinyl Acetate

Concen: 254.588 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 608680

Ion Ratio Lower Upper

43 100

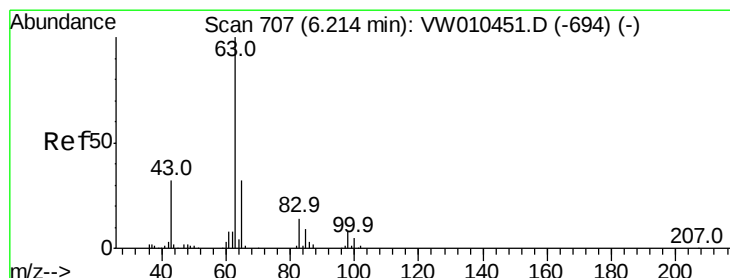
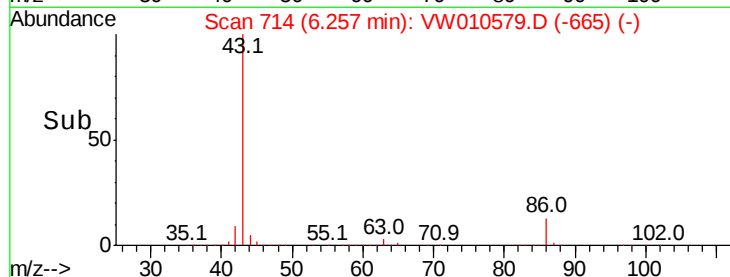
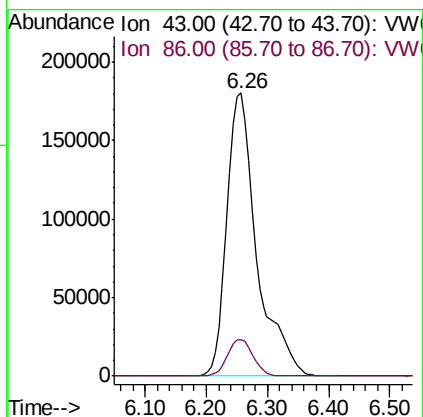
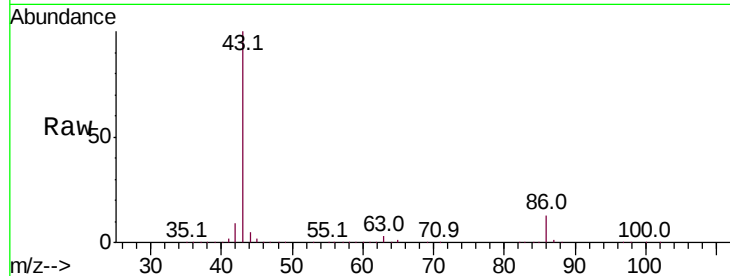
86 12.9 10.3 15.5

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#24

1,1-Dichloroethane

Concen: 51.451 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

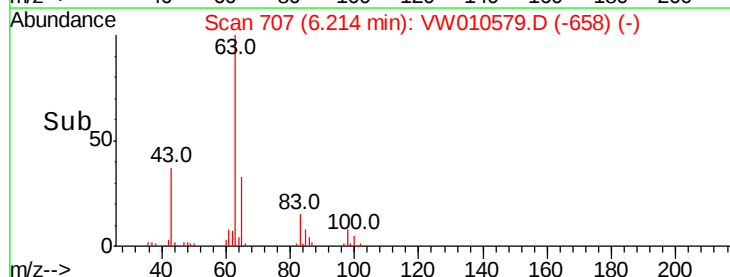
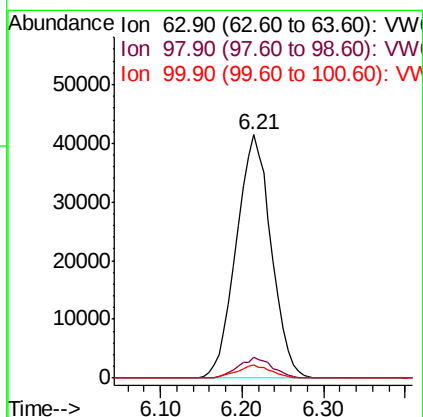
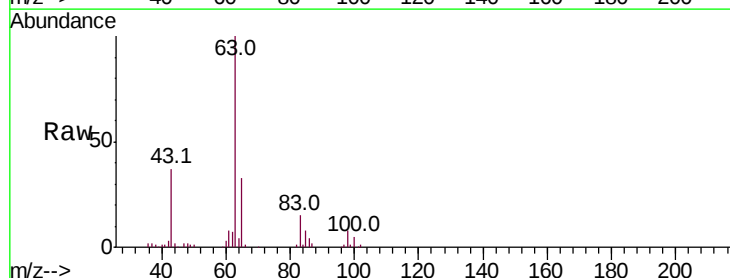
Tgt Ion: 63 Resp: 122890

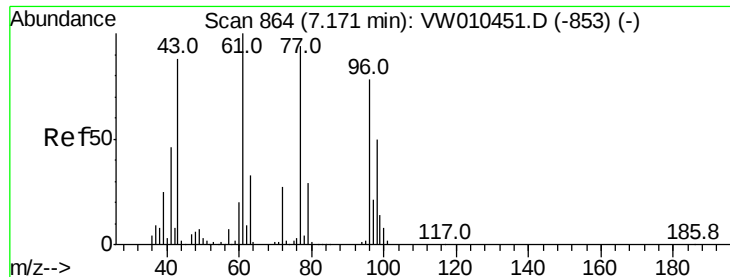
Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.2

100 5.4 2.5 7.4





#25

2-Butanone

Concen: 267.843 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 103104

Ion Ratio Lower Upper

43 100

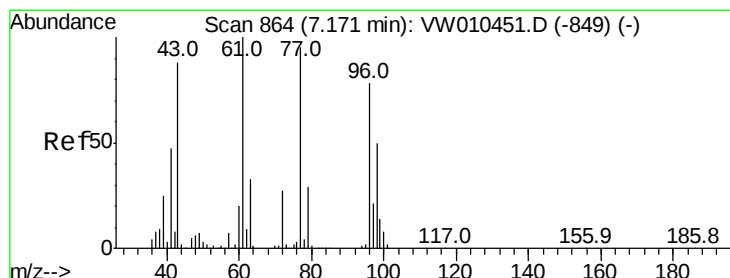
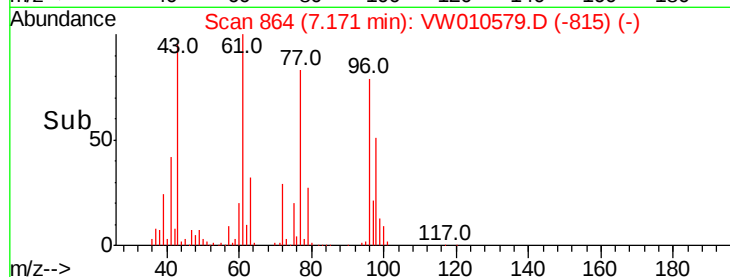
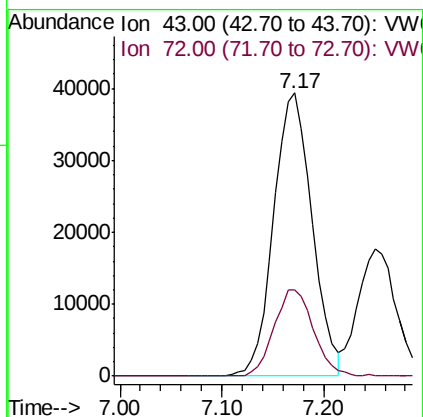
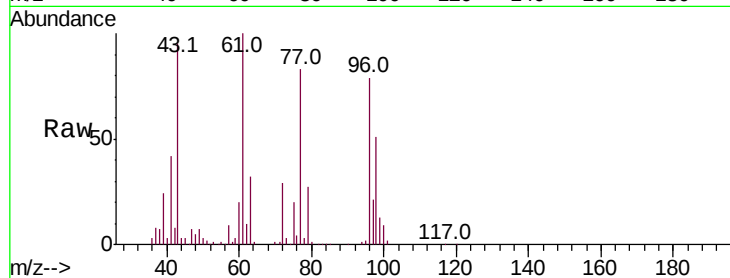
72 30.4 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 47.560 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010579.D

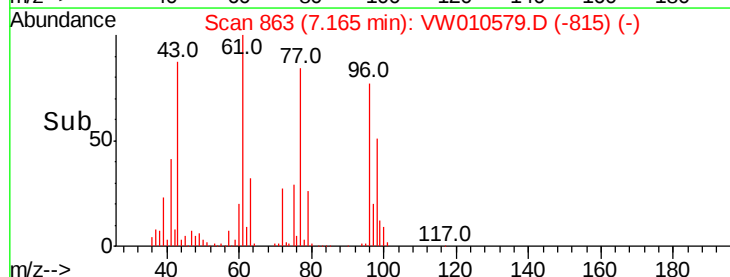
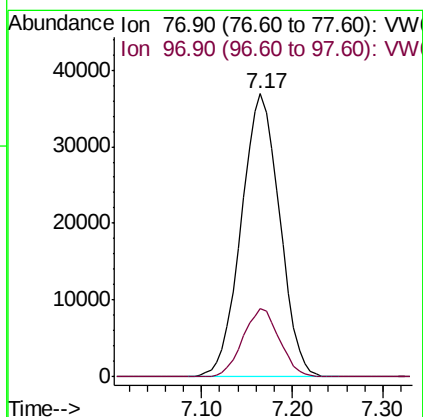
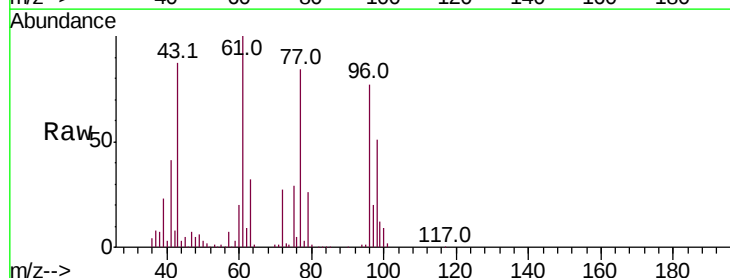
Acq: 28 May 2019 21:07

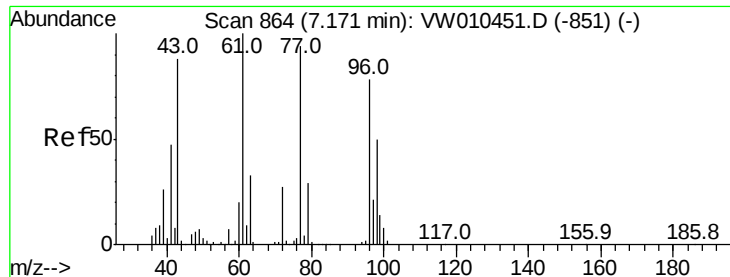
Tgt Ion: 77 Resp: 108207

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

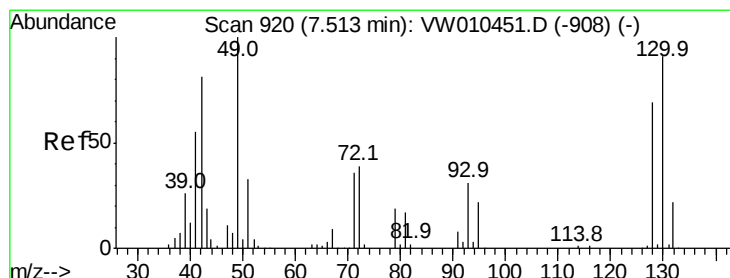
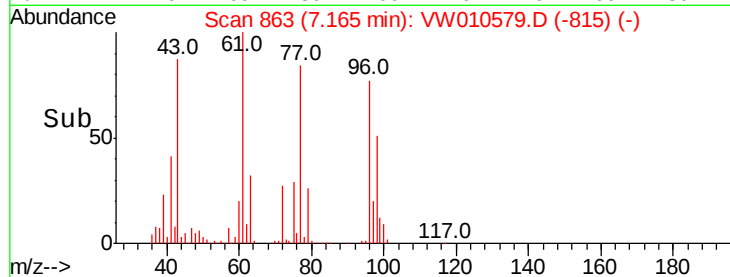
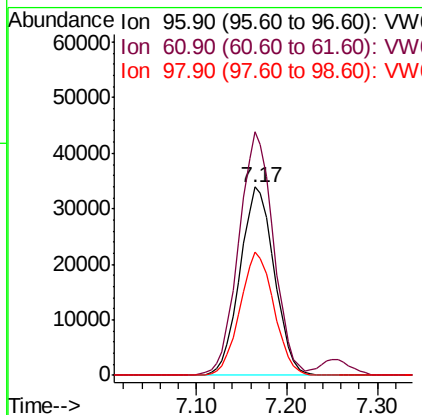
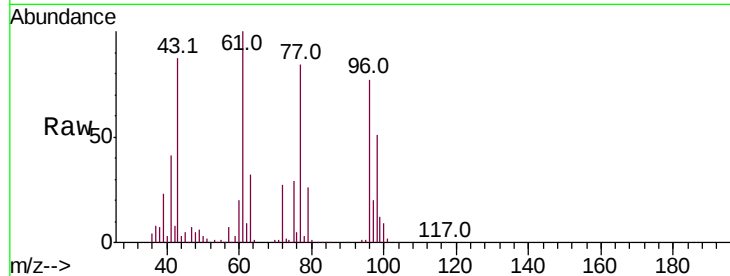
cis-1,2-Dichloroethene
Concen: 52.933 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	265.4
98	64.7	0.0	129.4

Manual Integrations
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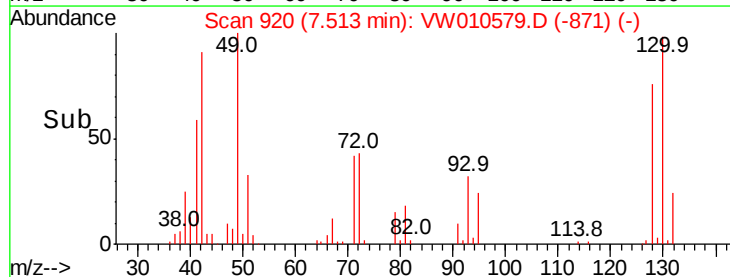
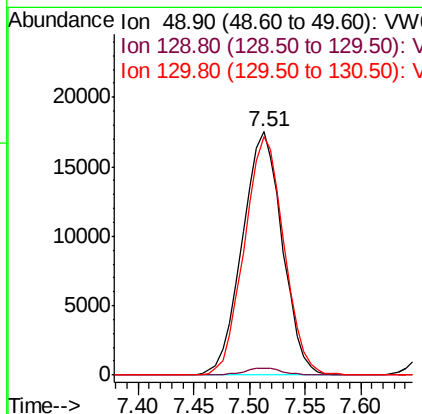
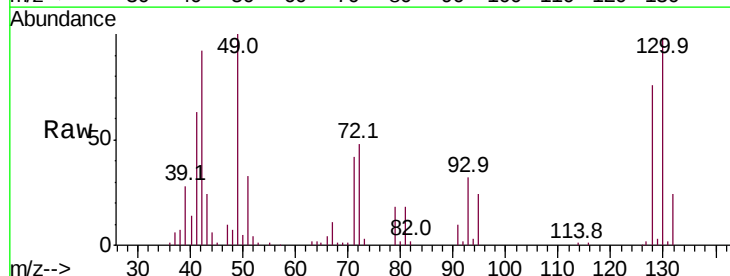
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5/29/2019 11:06:13 AM

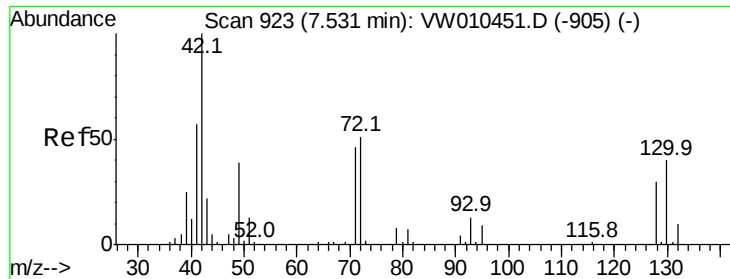


#28

Bromochloromethane
Concen: 51.050 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	97.1	71.2	106.8





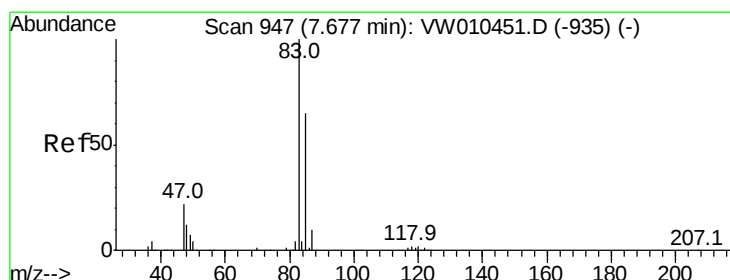
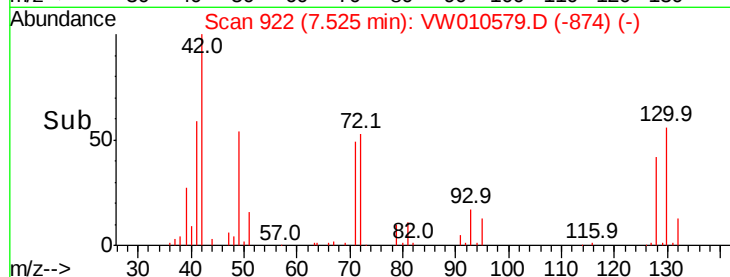
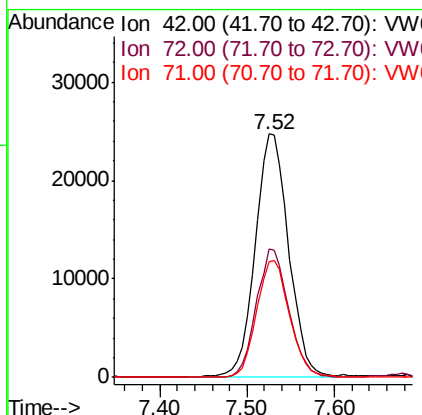
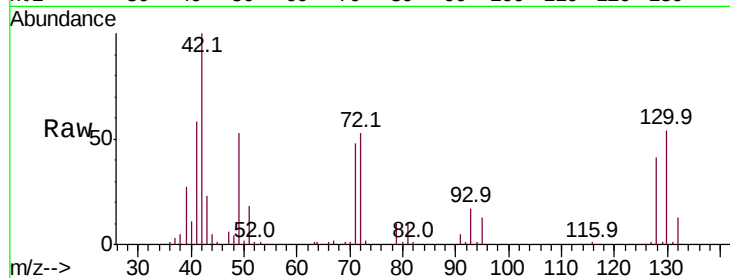
#29
Tetrahydrofuran
Concen: 252.241 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	38.5	57.7
71	47.3	36.5	54.7

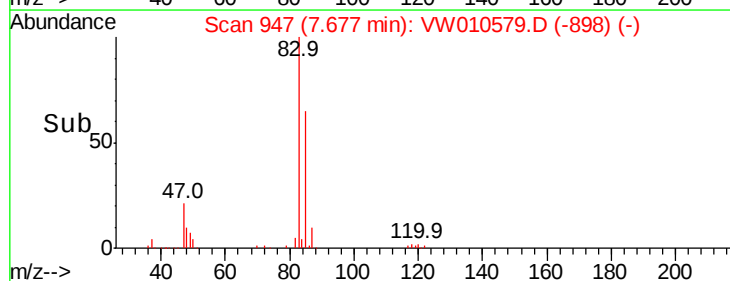
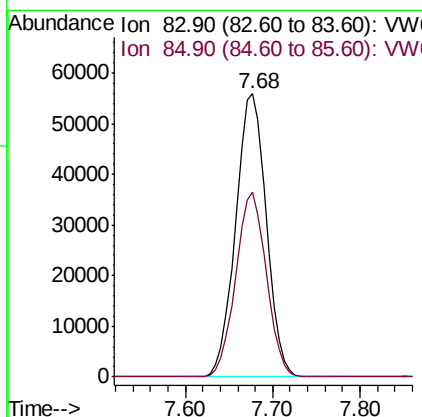
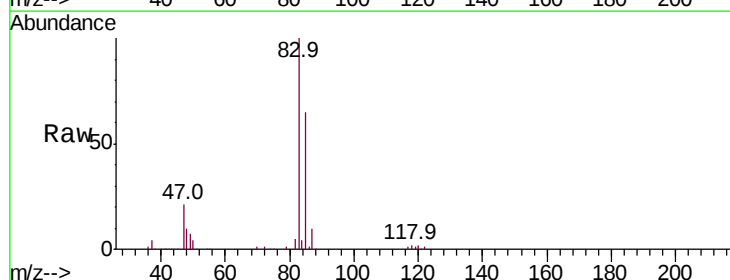
Manual Integrations
APPROVED

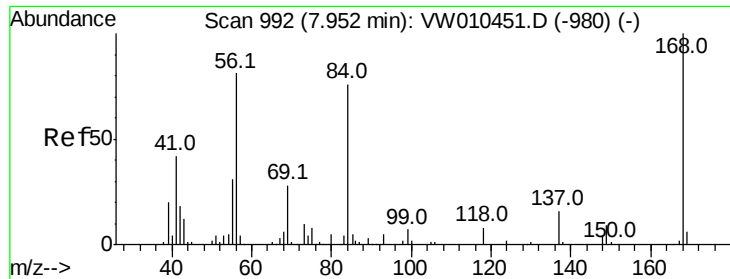
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#30
Chloroform
Concen: 52.947 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





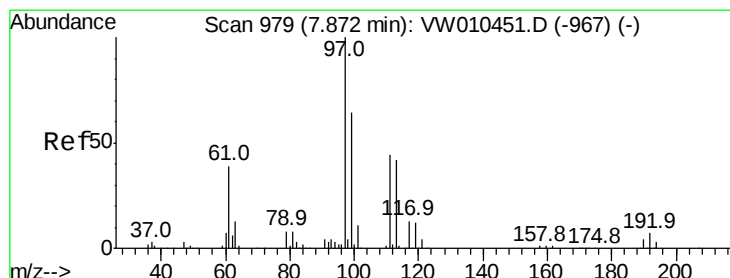
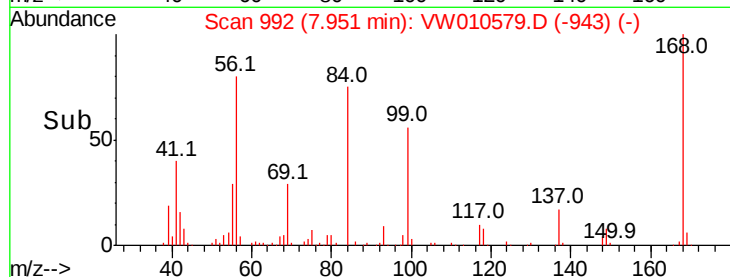
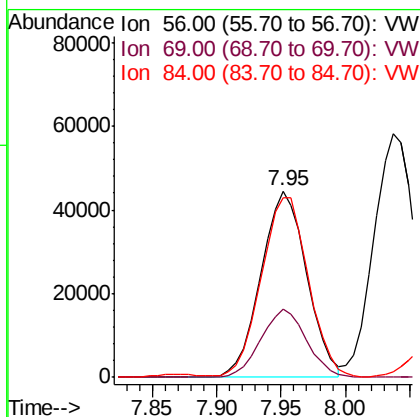
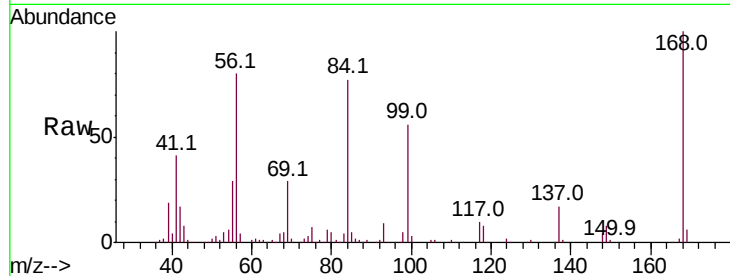
#31
Cyclohexane
Concen: 43.923 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	28.2	42.2
84	95.0	75.8	113.8

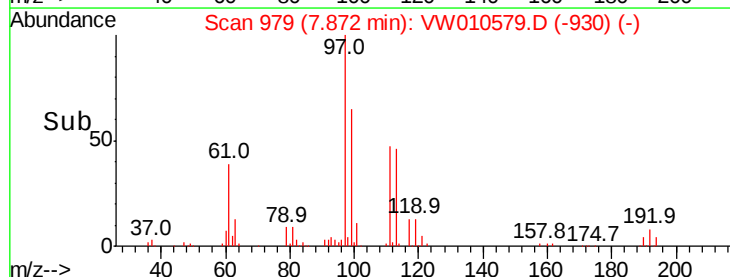
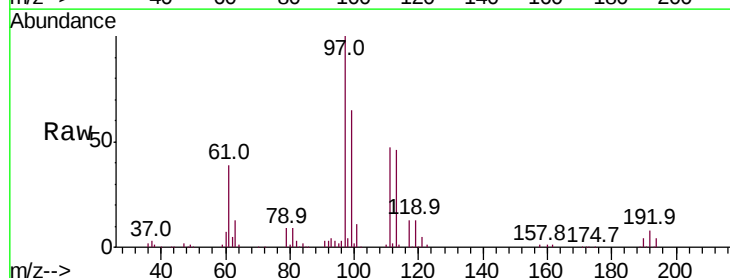
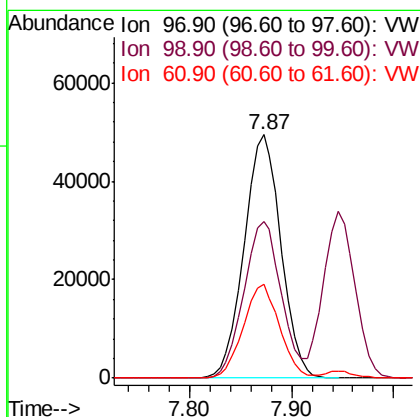
Manual Integrations
APPROVED

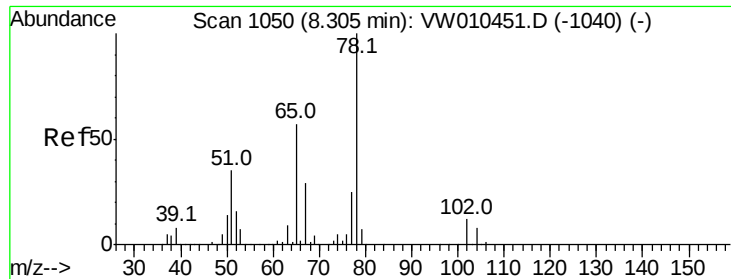
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#32
1,1,1-Trichloroethane
Concen: 50.423 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.8	76.2
61	38.1	32.1	48.1





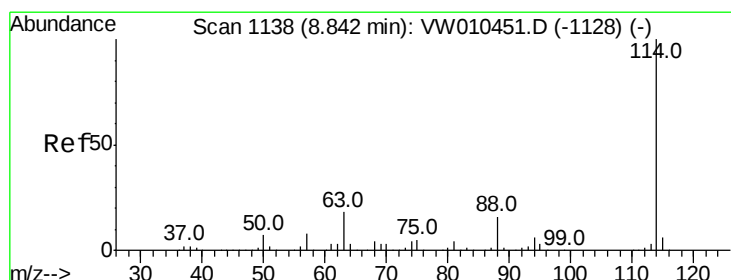
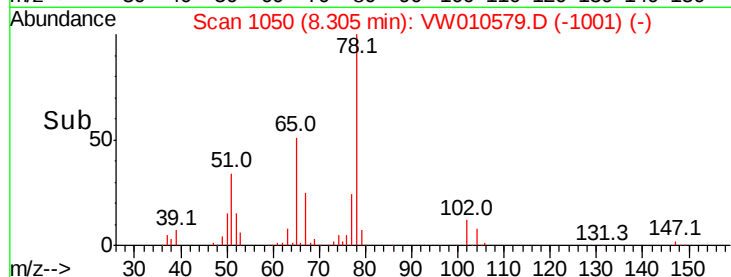
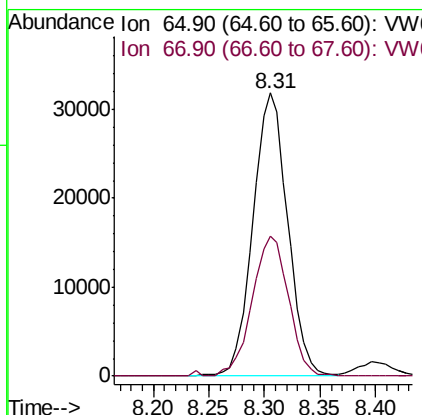
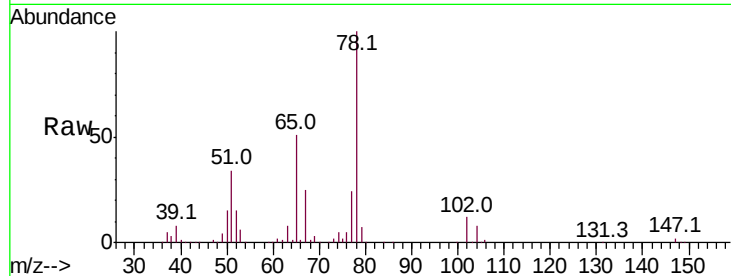
#33
 1,2-Dichloroethane-d4
 Concen: 52.475 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6

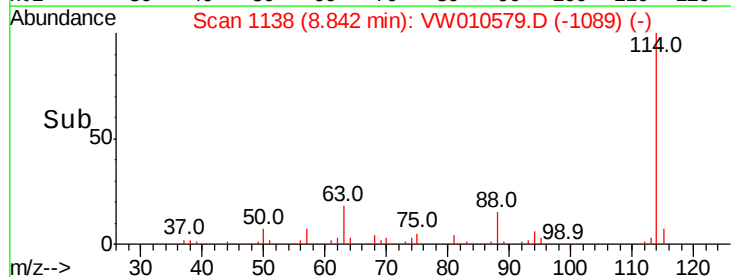
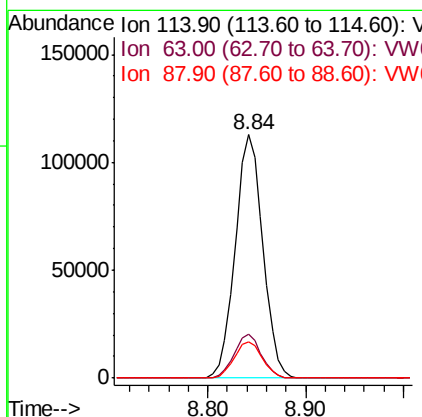
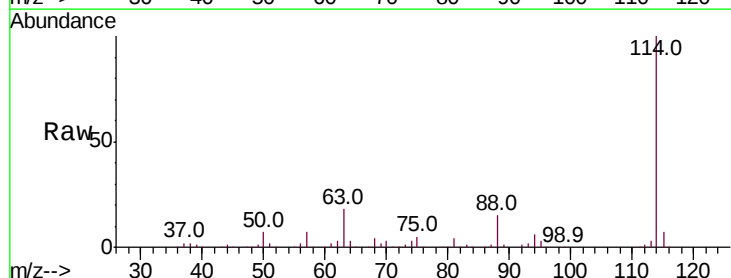
Manual Integrations
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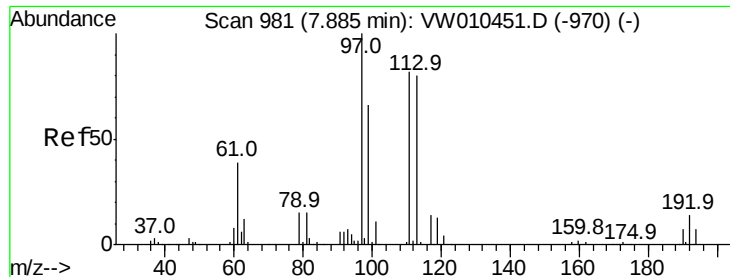
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	36.0
88	14.9	0.0	32.0





#35

Dibromofluoromethane

Concen: 52.664 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

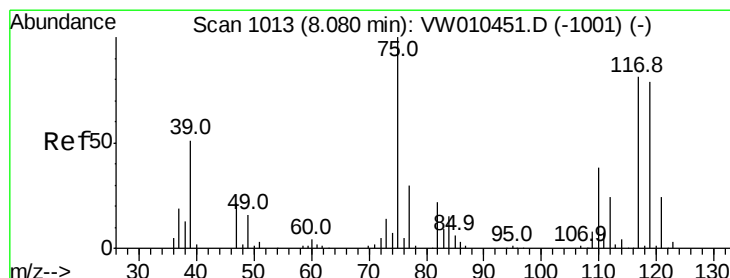
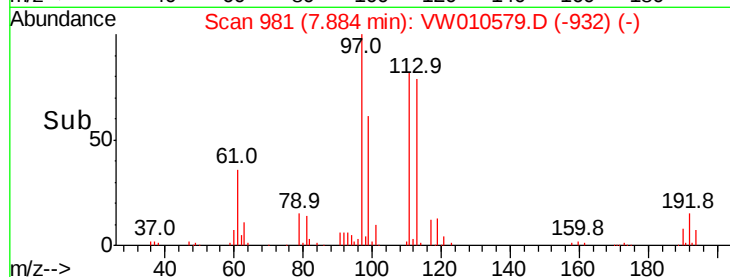
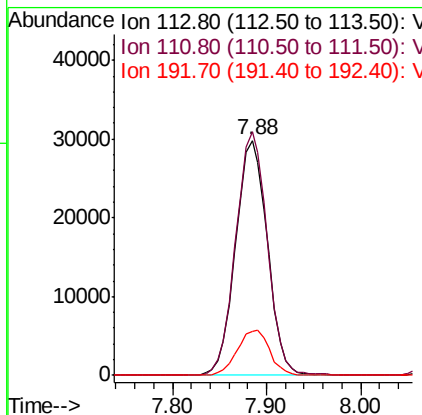
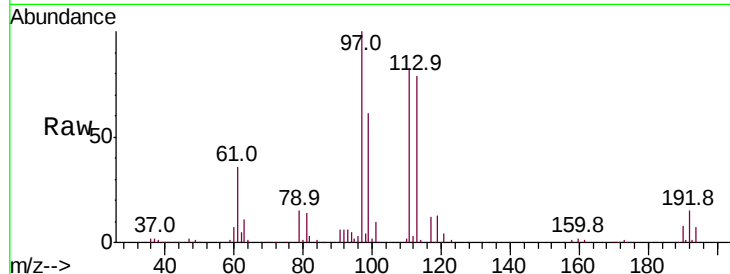
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	70380
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	19.6	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.388 ug/l

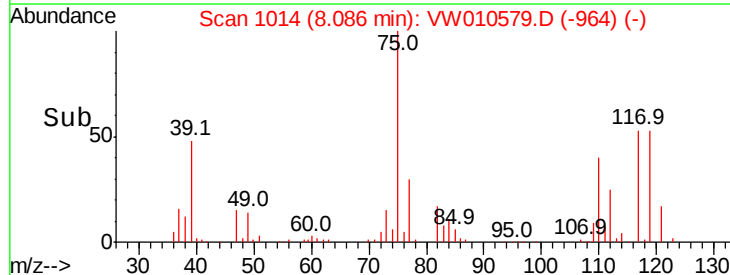
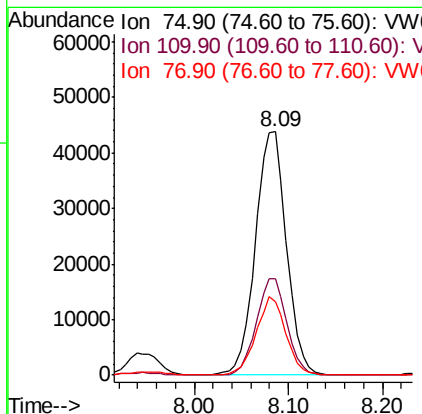
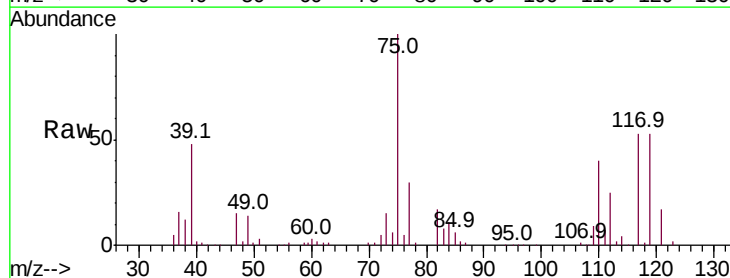
RT: 8.09 min Scan# 1014

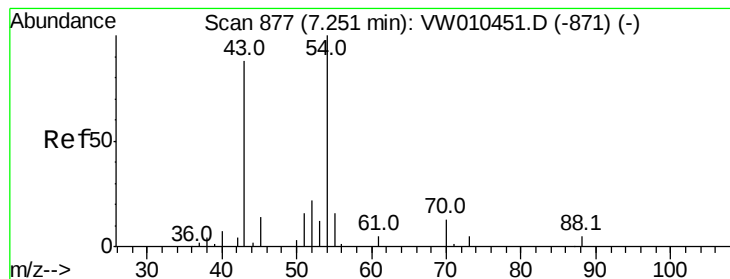
Delta R.T. 0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion:	75	Resp:	101328
Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.2	57.6
77	30.9	25.2	37.8





#37

Ethyl Acetate

Concen: 54.057 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

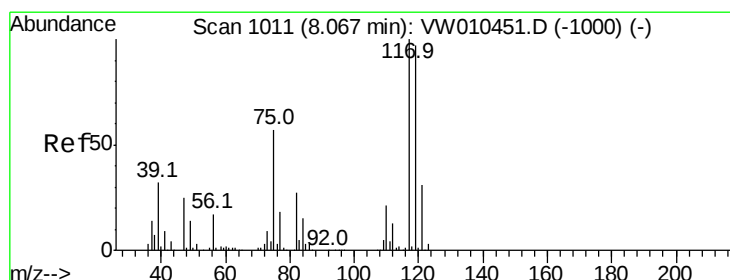
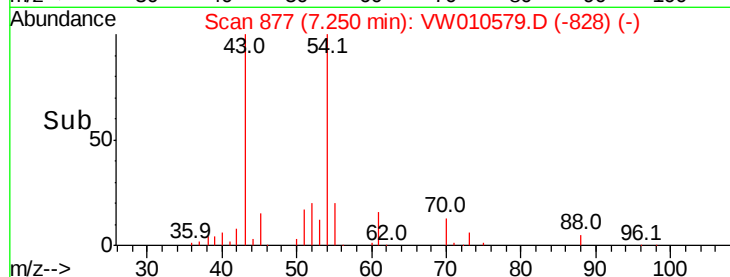
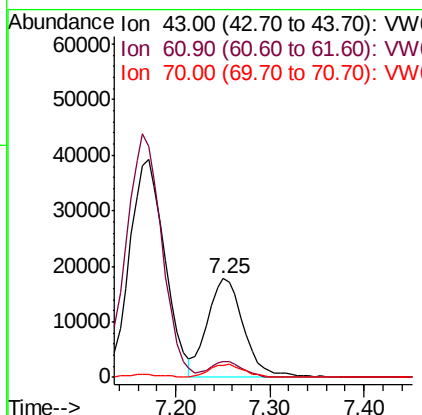
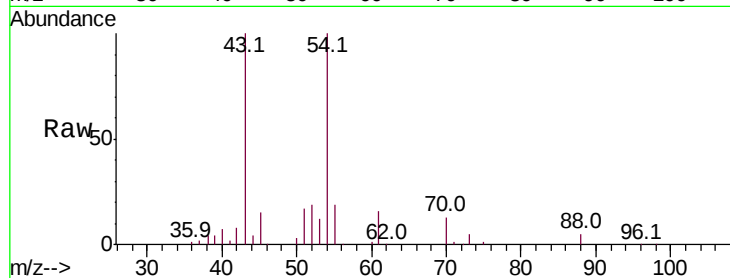
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	47163
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.2	16.8
70	12.8	9.9	14.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.771 ug/l

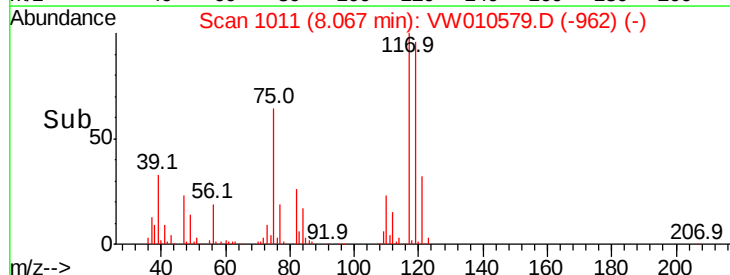
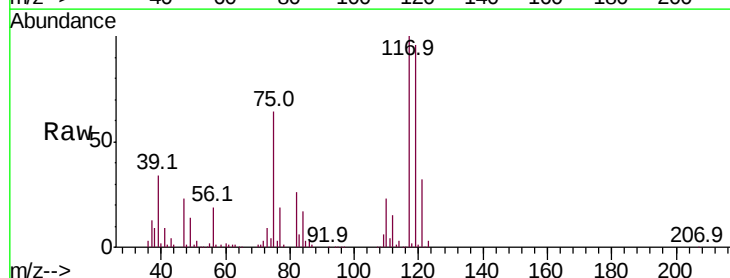
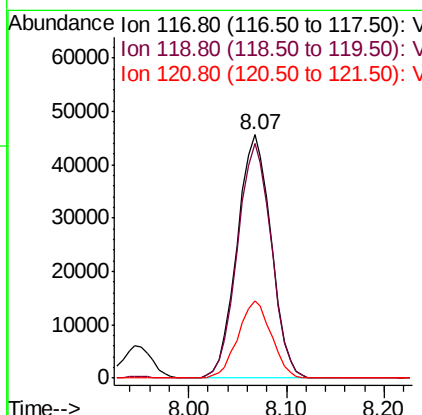
RT: 8.07 min Scan# 1011

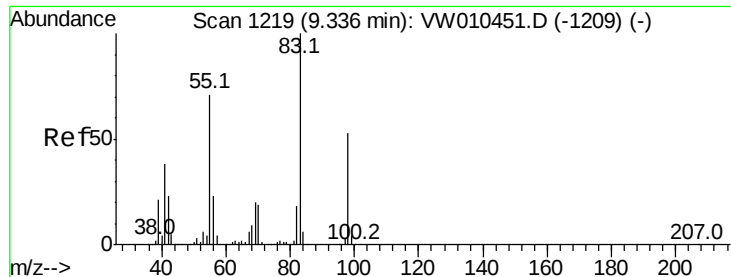
Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion:	117	Resp:	110155
Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.4	116.0
121	31.6	25.0	37.6





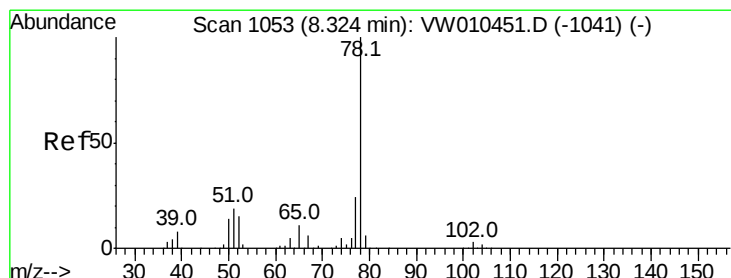
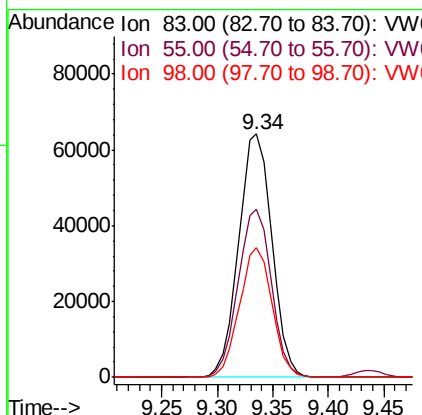
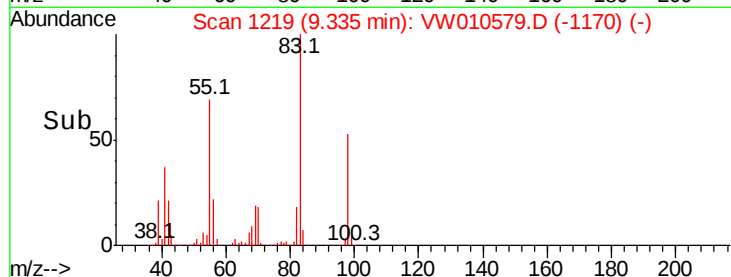
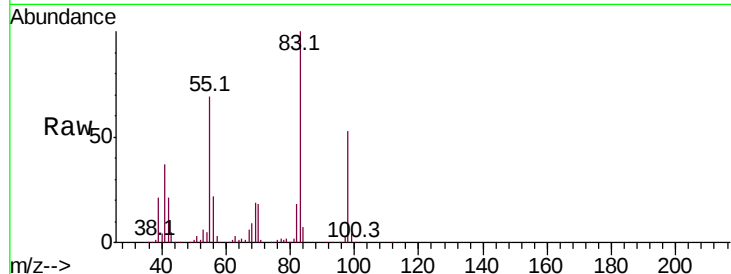
#39
Methvlcvclohexane
Concen: 48.550 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	57.0	85.6
98	53.4	42.0	63.0

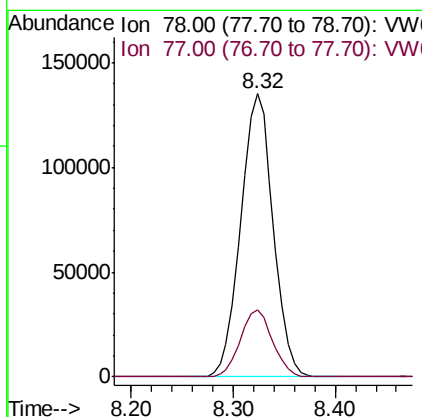
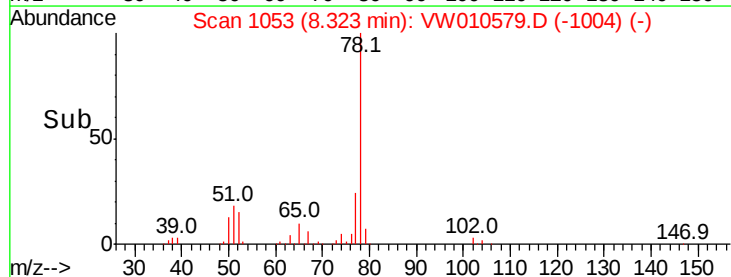
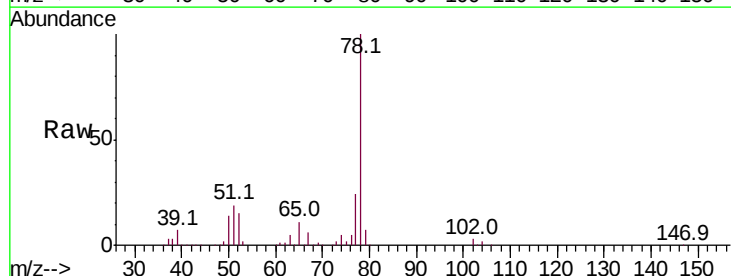
Manual Integrations
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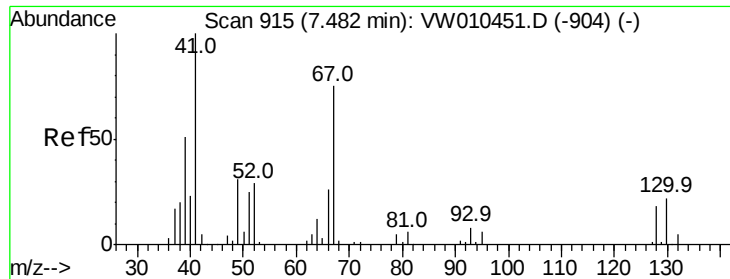
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#40
Benzene
Concen: 52.281 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





#41

Methacrylonitrile

Concen: 50.052 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

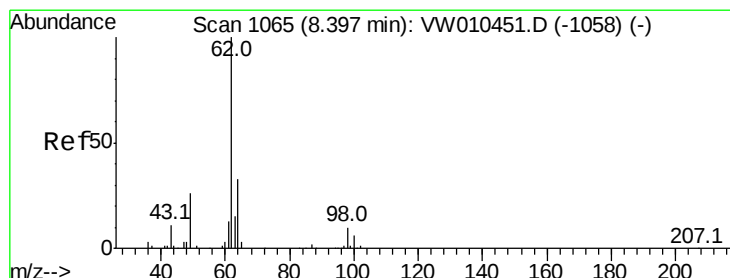
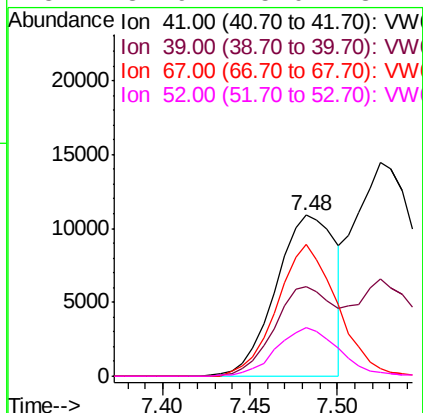
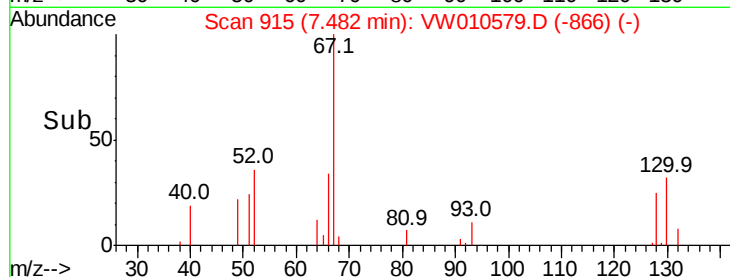
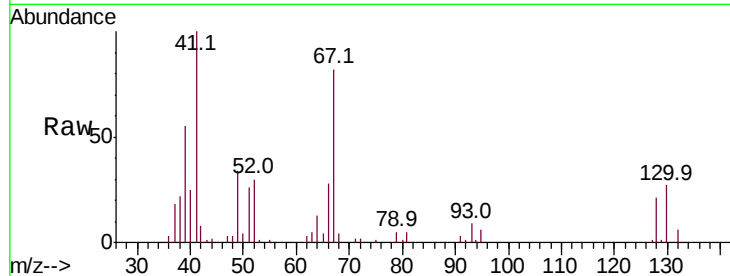
ClientSampleId :

VSTDCCC050EC

Tot Ion	41	Resp	25947
Ion	Ratio	Lower	Upper
41	100		
39	55.4	47.4	71.2
67	82.7	65.5	98.3
52	31.9	25.0	37.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.880 ug/l

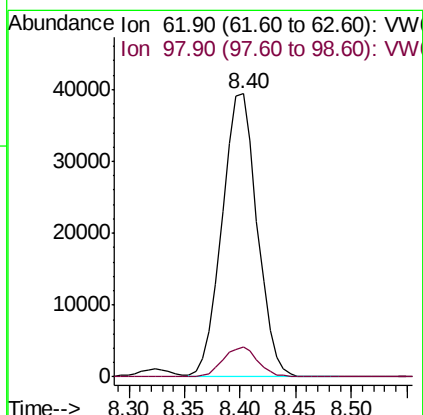
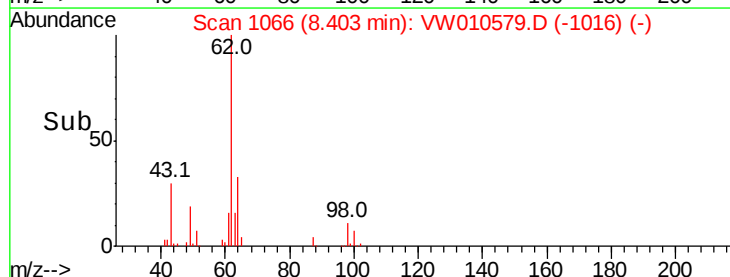
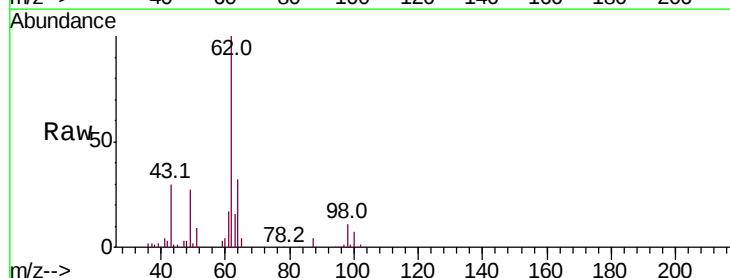
RT: 8.40 min Scan# 1066

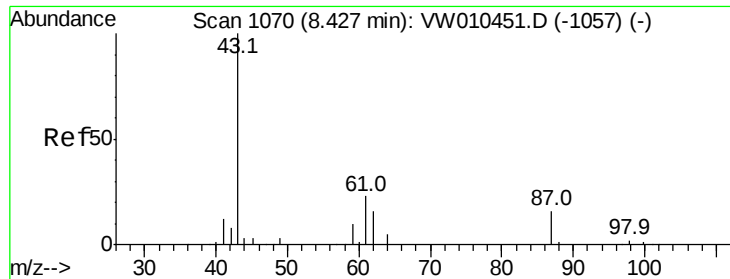
Delta R.T. 0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion	62	Resp	86185
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 51.801 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

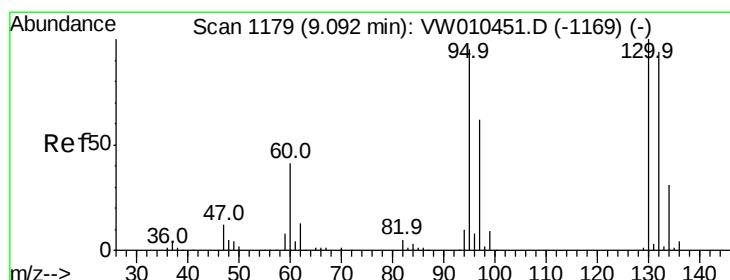
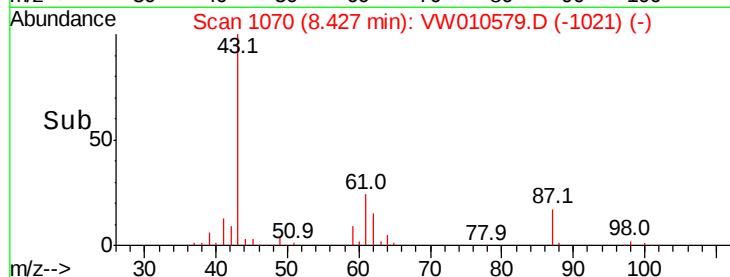
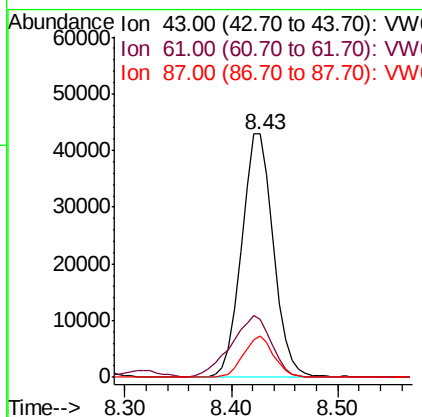
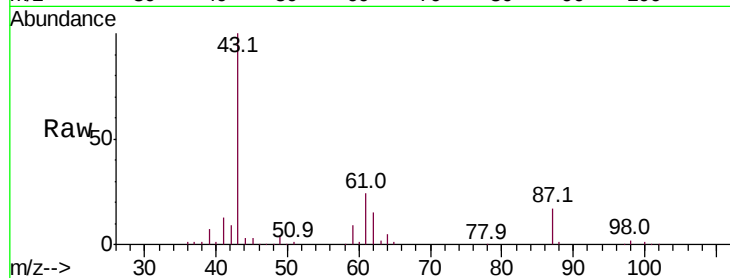
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	90288
Ion Ratio	Lower	Upper	
43	100		
61	32.0	25.4	38.2
87	16.2	12.7	19.1

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#44

Trichloroethene

Concen: 53.547 ug/l

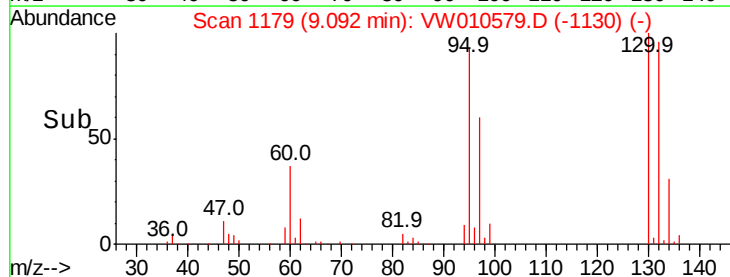
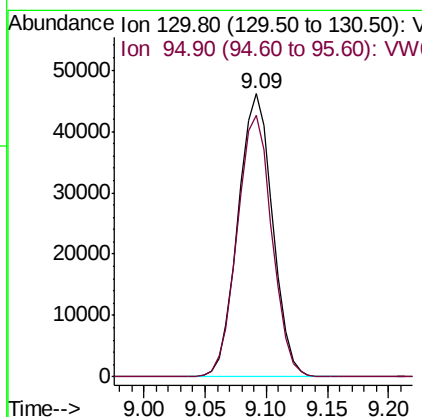
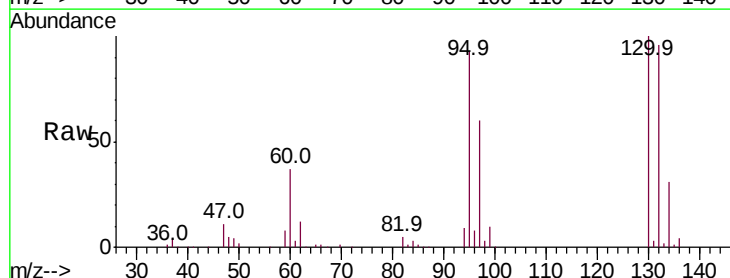
RT: 9.09 min Scan# 1179

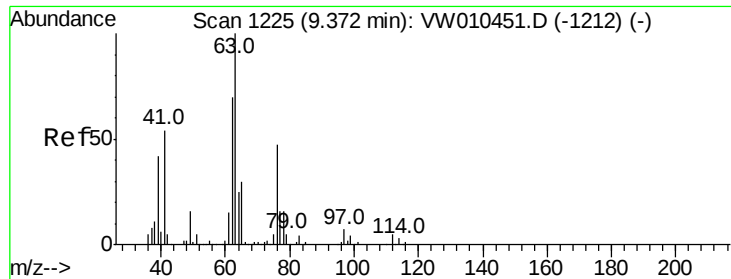
Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion:	130	Resp:	90653
Ion Ratio	Lower	Upper	
130	100		
95	92.6	0.0	189.6





#45

1,2-Dichloropropane

Concen: 52.517 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 71125

Ion Ratio Lower Upper

63 100

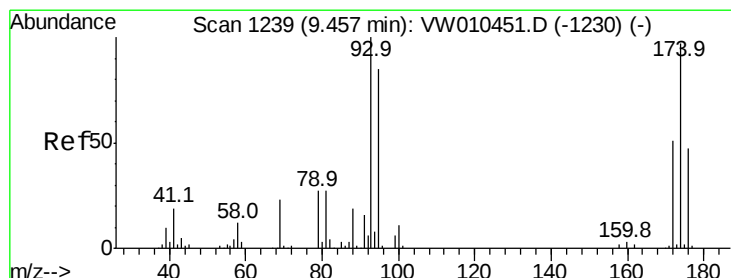
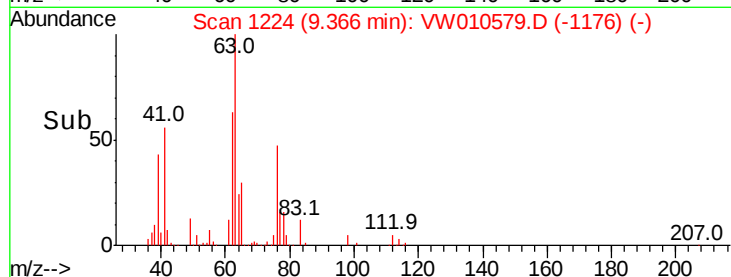
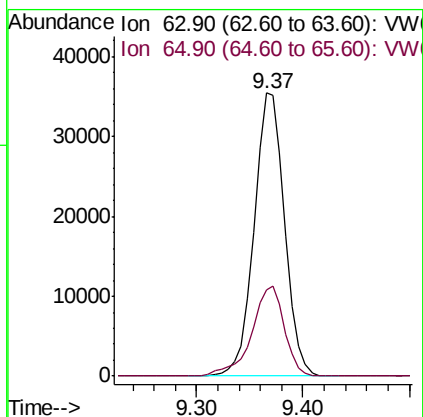
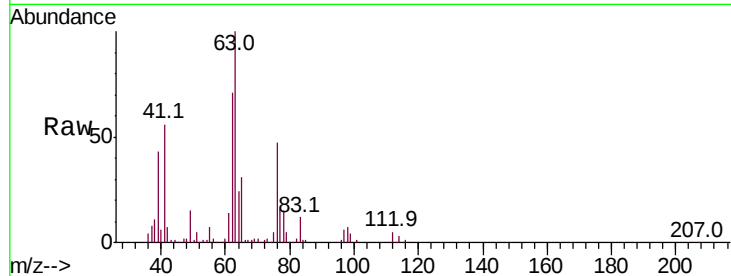
65 30.7 24.3 36.5

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#46

Dibromomethane

Concen: 54.328 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

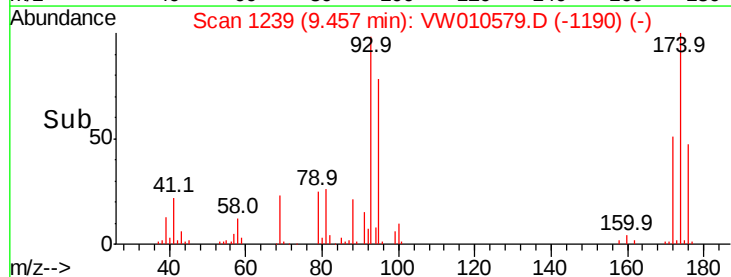
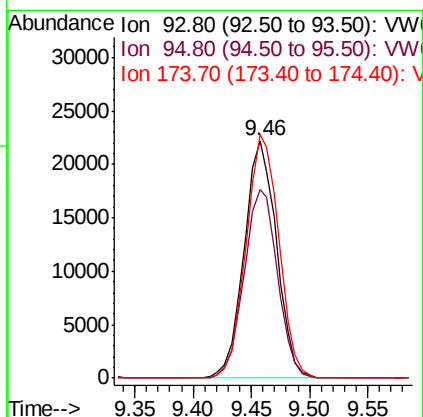
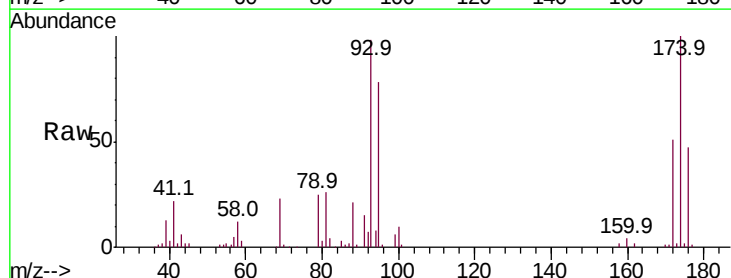
Tgt Ion: 93 Resp: 43030

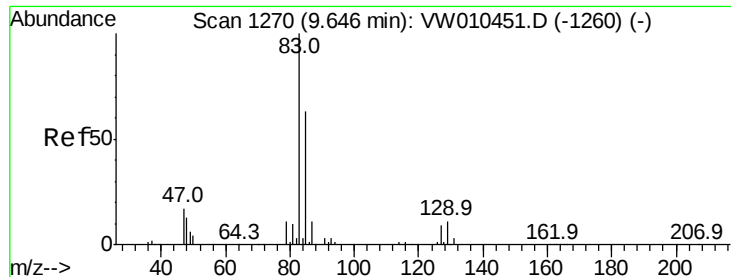
Ion Ratio Lower Upper

93 100

95 82.2 66.1 99.1

174 104.3 77.1 115.7





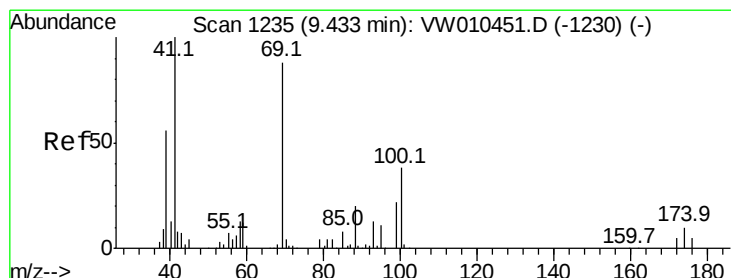
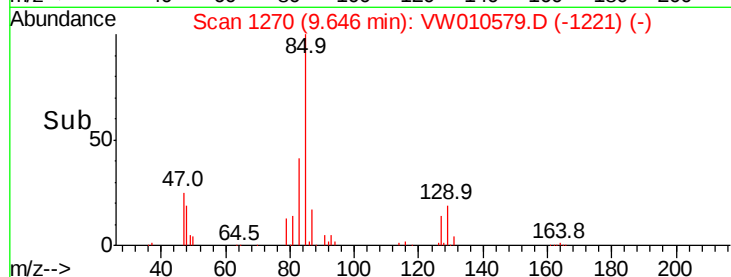
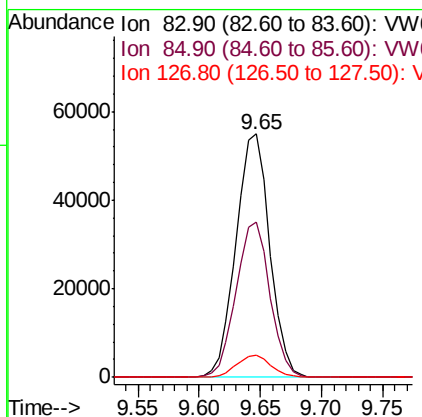
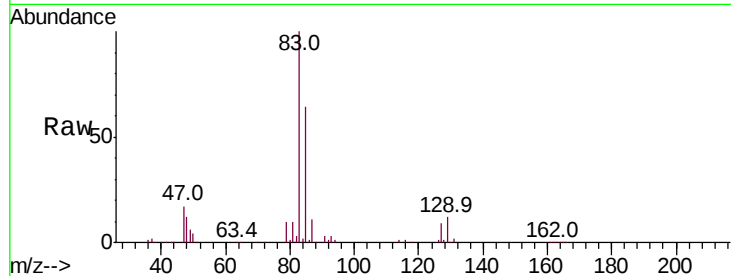
#47
Bromodichloromethane
Concen: 52.785 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	105062		
85	63.8		50.4	75.6
127	9.2		7.4	11.0

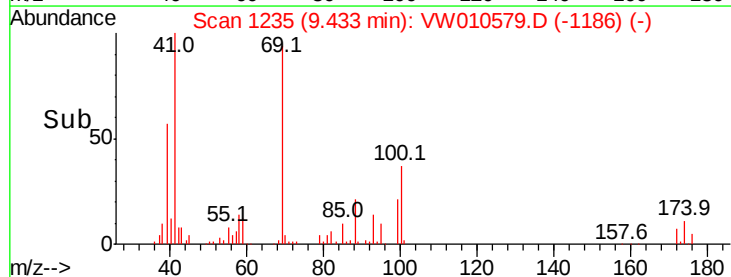
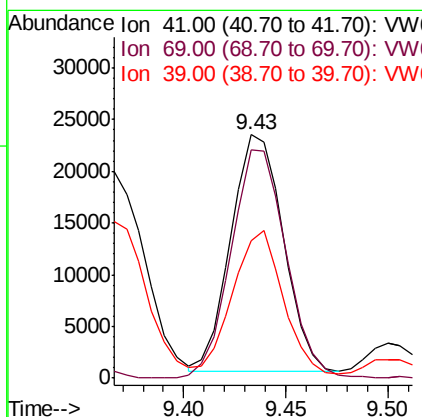
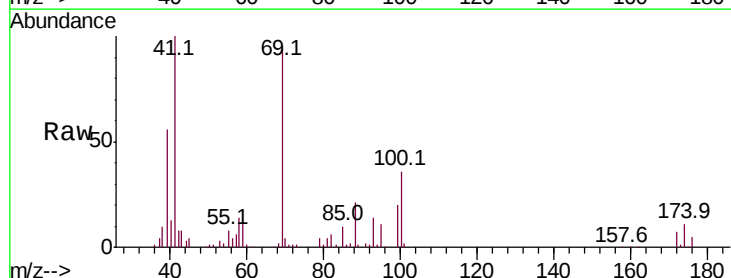
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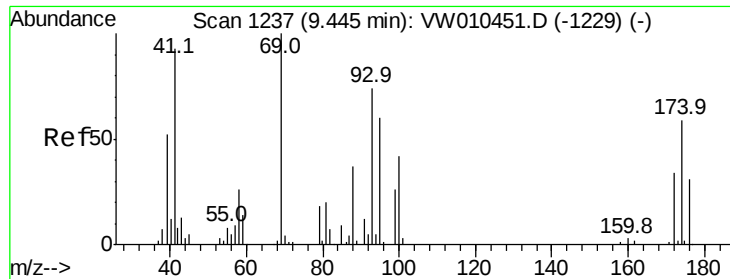
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#48
Methyl methacrylate
Concen: 51.274 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	40886		
69	101.8		77.6	116.4
39	61.8		49.8	74.8





#49

1,4-Dioxane

Concen: 1157.711 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 14979

Ion Ratio Lower Upper

88 100

43 28.7 25.9 38.9

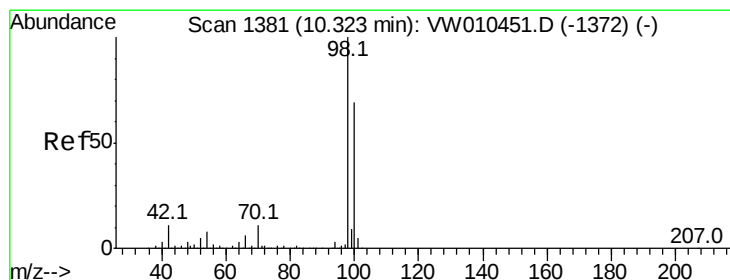
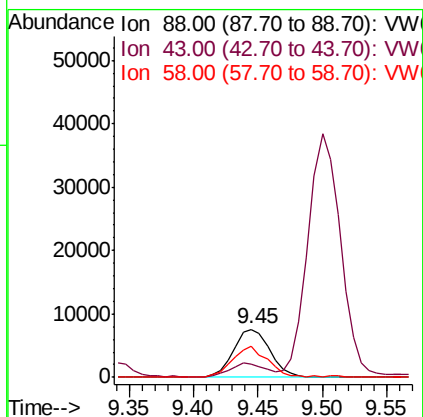
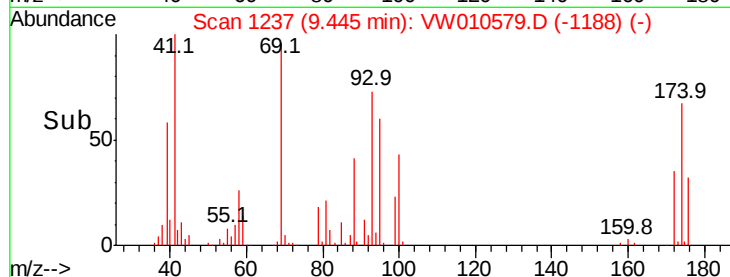
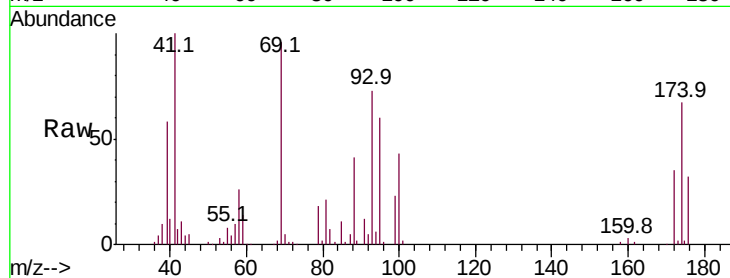
58 63.5 52.7 79.1

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#50

Toluene-d8

Concen: 51.609 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010579.D

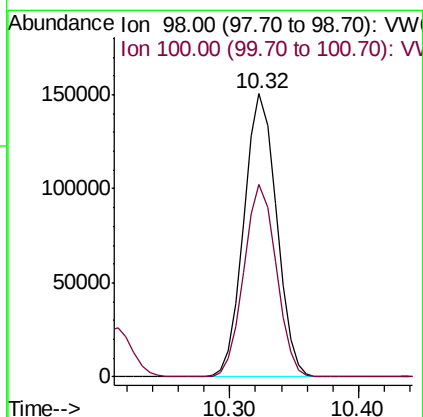
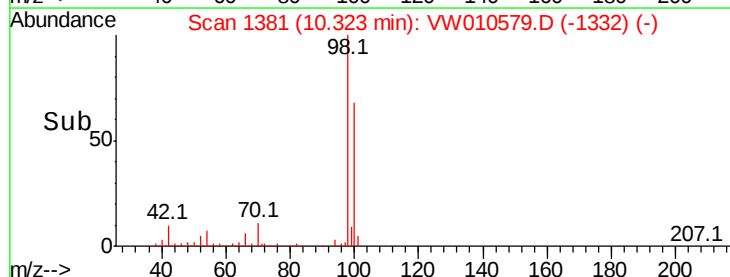
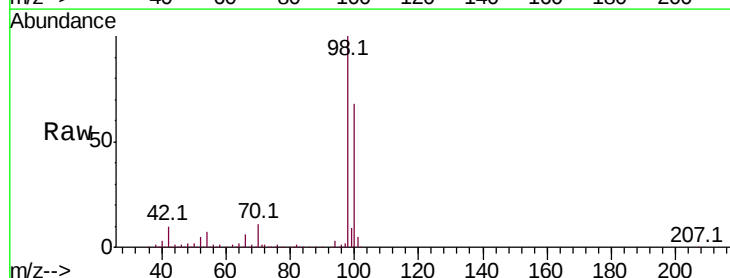
Acq: 28 May 2019 21:07

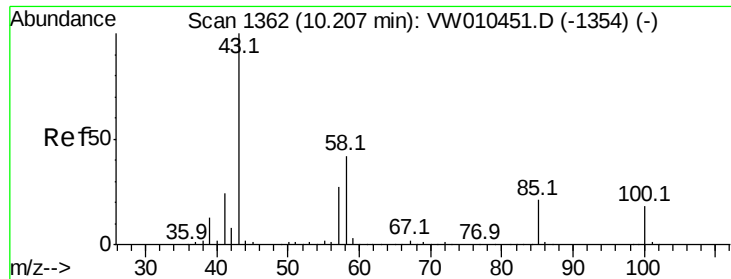
Tgt Ion: 98 Resp: 263479

Ion Ratio Lower Upper

98 100

100 67.5 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 268.227 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 236902

Ion Ratio Lower Upper

43 100

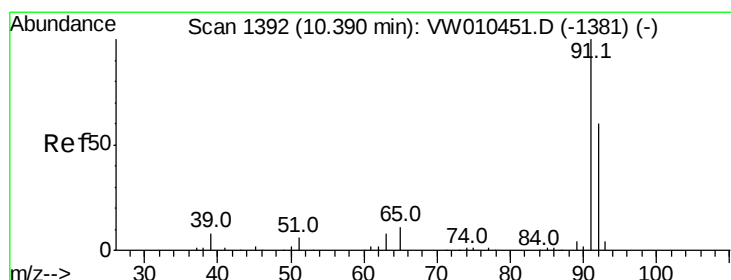
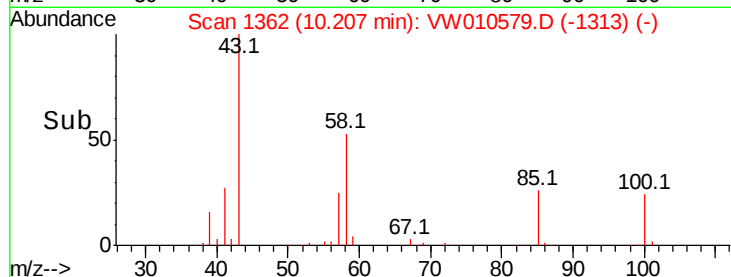
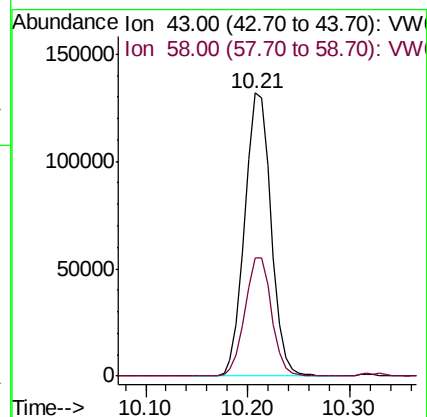
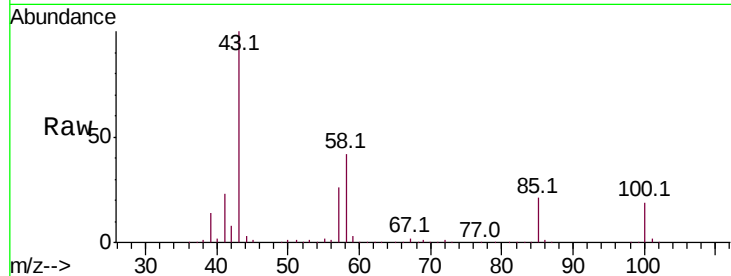
58 42.3 33.2 49.8

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#52

Toluene

Concen: 52.426 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010579.D

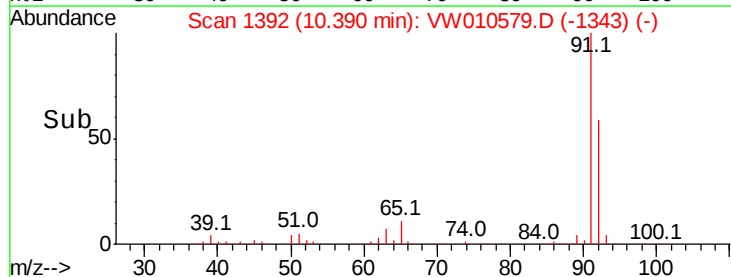
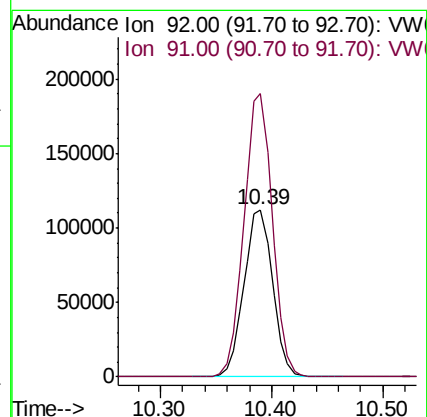
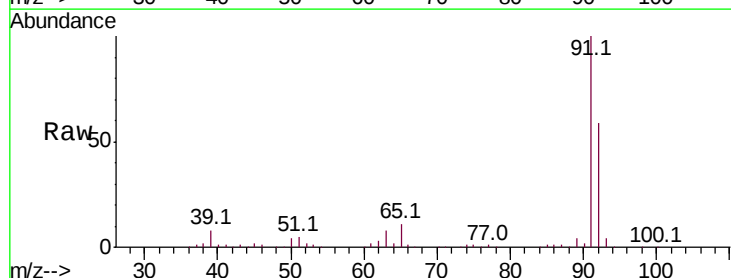
Acq: 28 May 2019 21:07

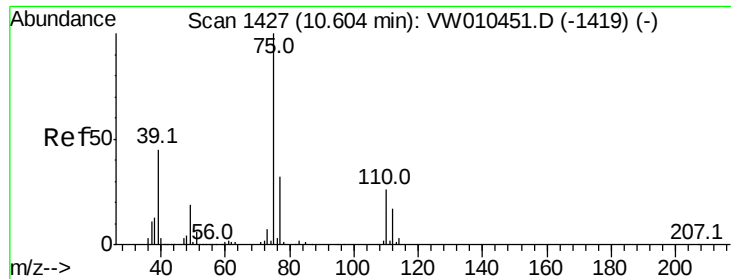
Tgt Ion: 92 Resp: 200772

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0





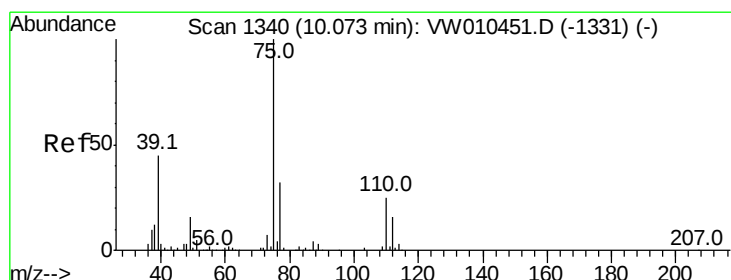
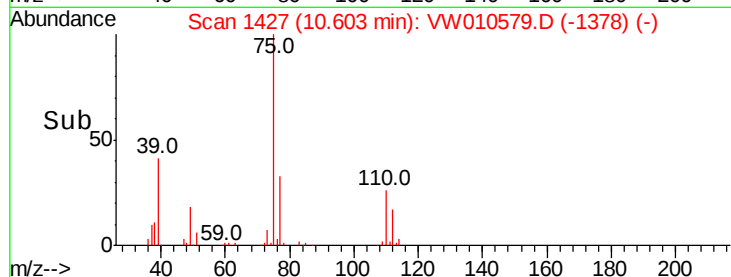
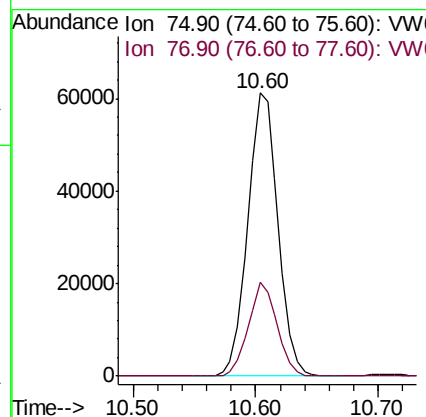
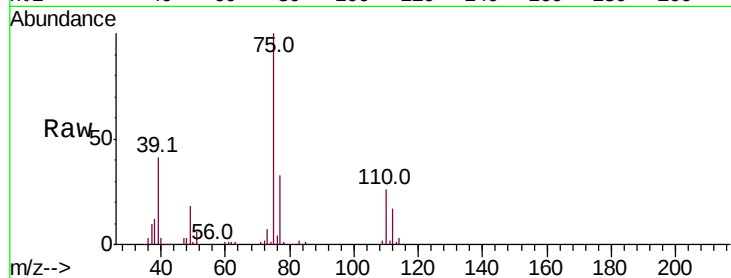
#53
t-1,3-Dichloropropene
Concen: 51.876 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 104573
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.0

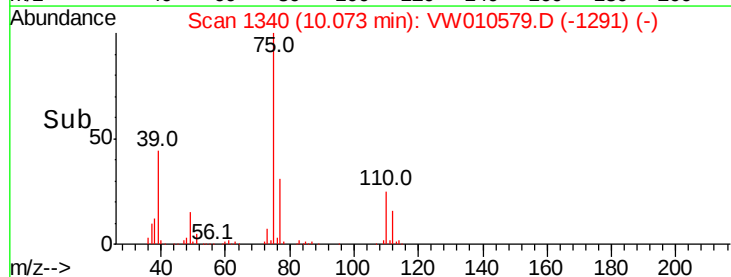
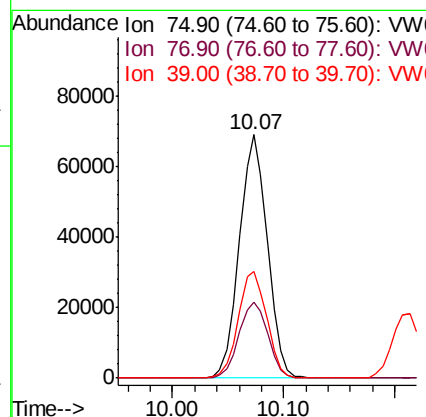
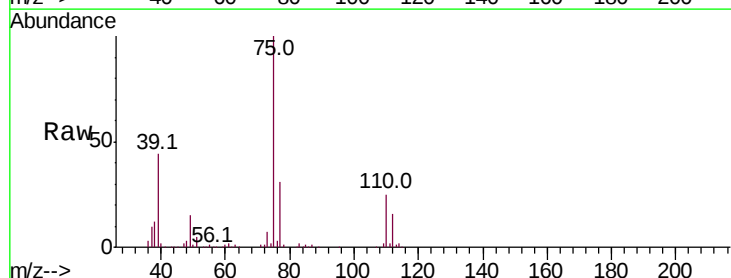
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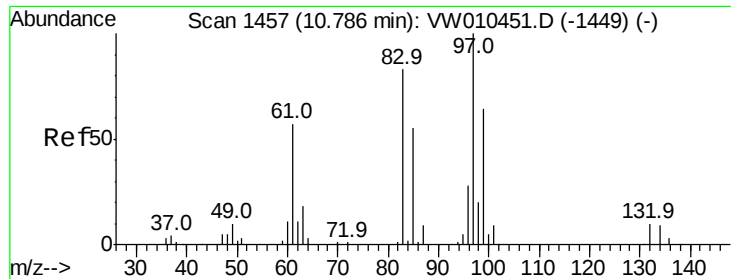
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#54
cis-1,3-Dichloropropene
Concen: 52.176 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 75 Resp: 120117
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5
39 43.6 36.2 54.4





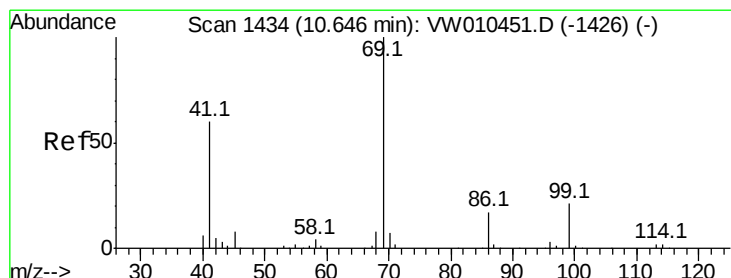
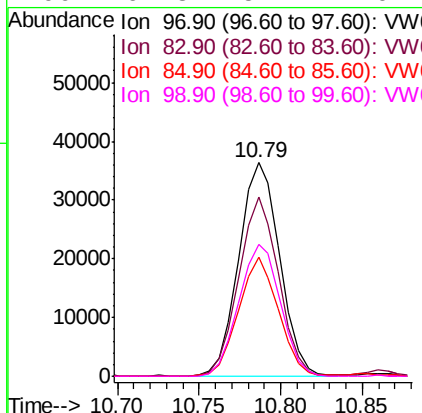
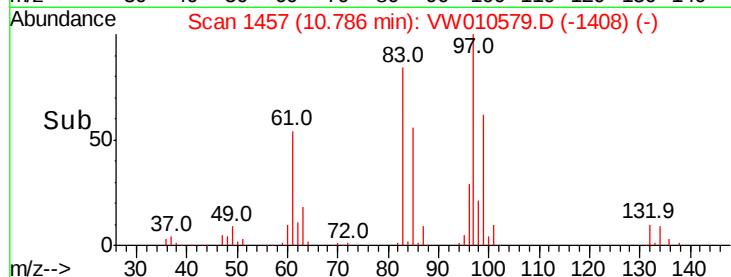
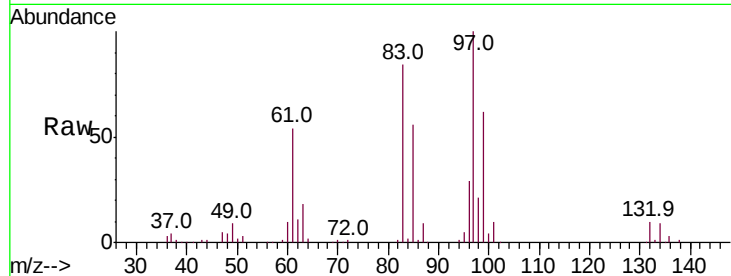
#55
1,1,2-Trichloroethane
Concen: 55.742 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		63488		
83	83.8	66.1	99.1		
85	55.7	44.2	66.4		
99	61.8	51.1	76.7		

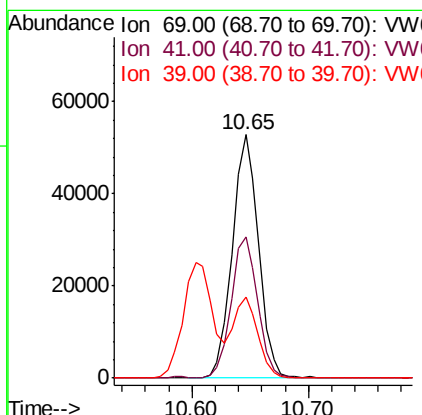
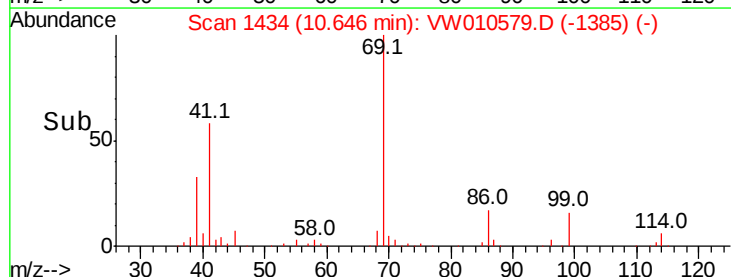
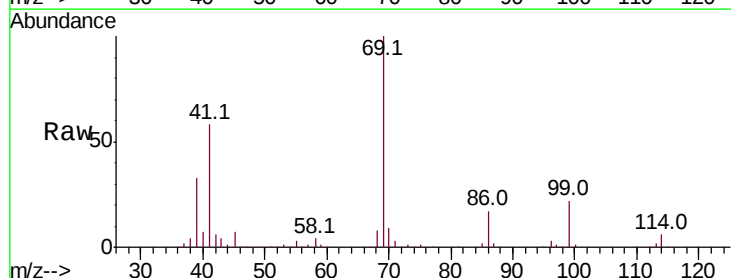
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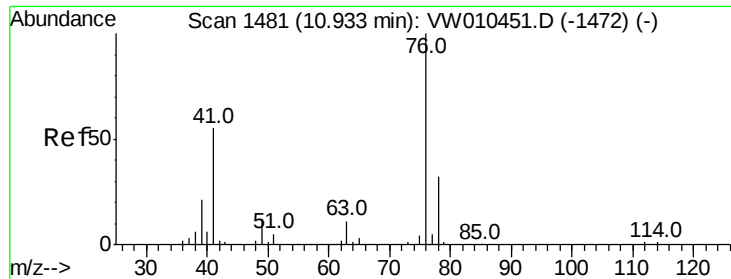
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#56
Ethyl methacrylate
Concen: 52.730 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		82830		
41	58.5	47.7	71.5		
39	31.1	25.3	37.9		





#57

1,3-Dichloropropane

Concen: 55.003 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :
MSVOA_W

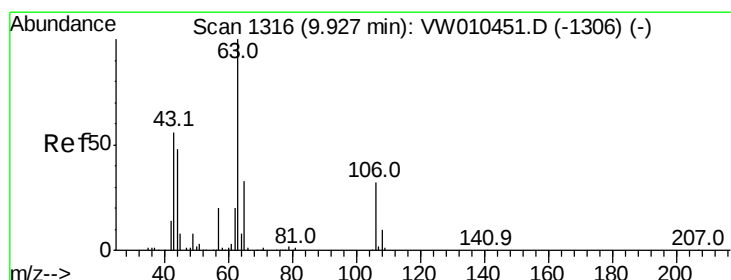
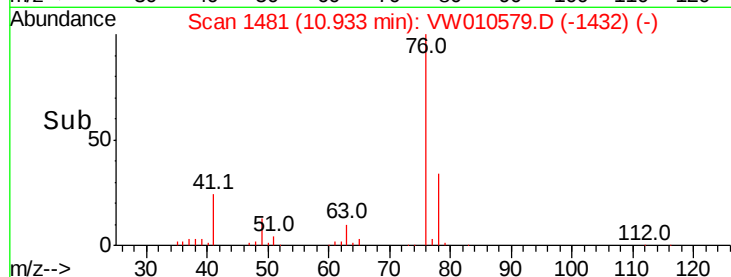
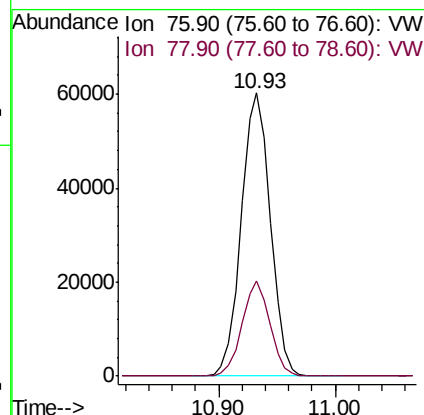
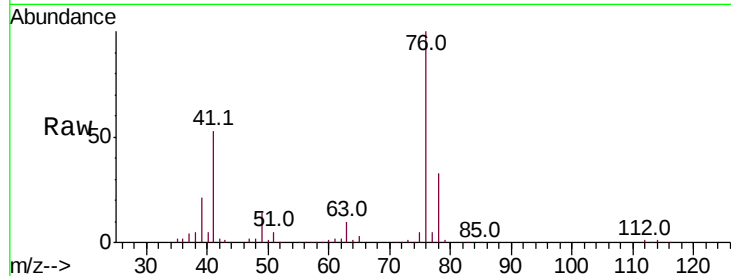
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 104936

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 259.072 ug/l

RT: 9.92 min Scan# 1315

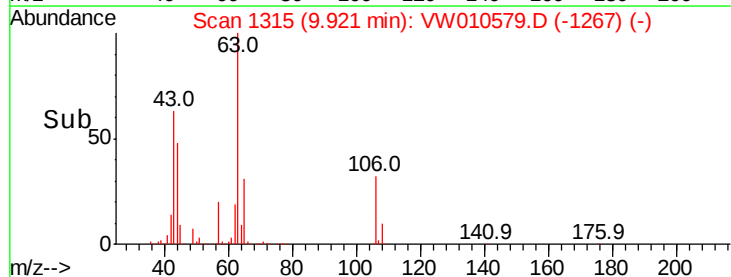
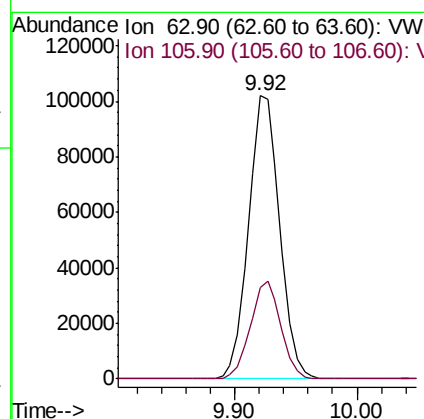
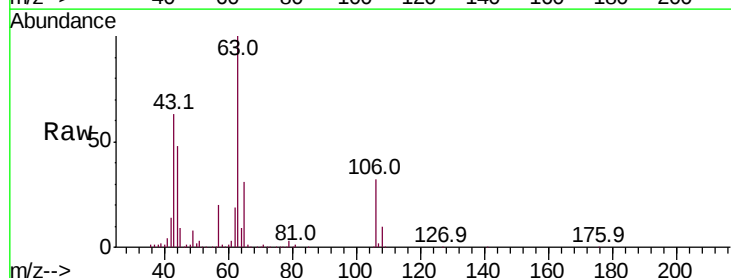
Delta R.T. -0.01 min

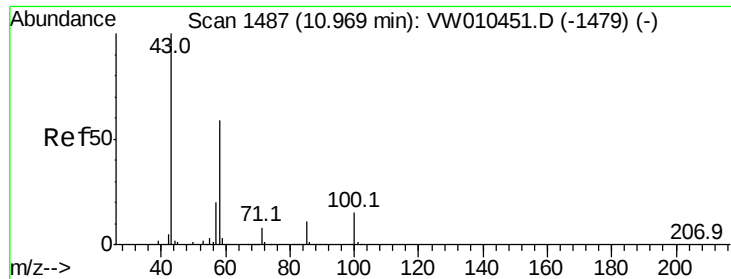
Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion: 63 Resp: 180252

Ion	Ratio	Lower	Upper
63	100		
106	33.5	25.8	38.6





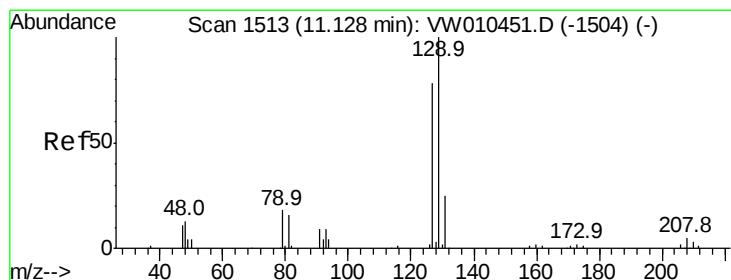
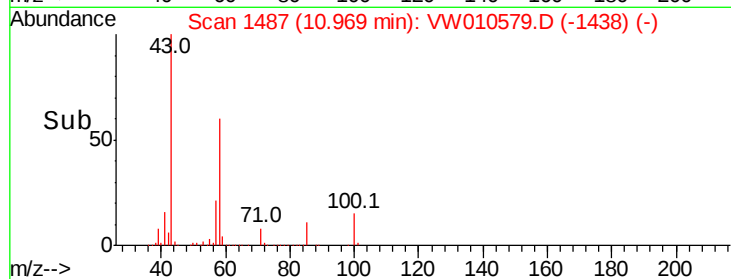
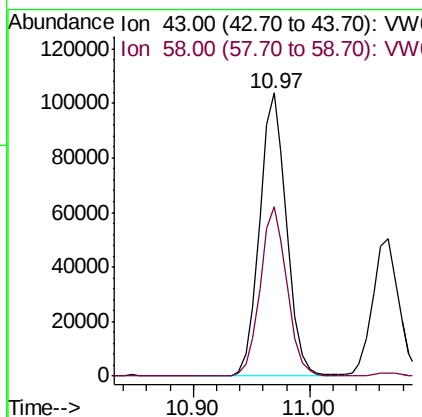
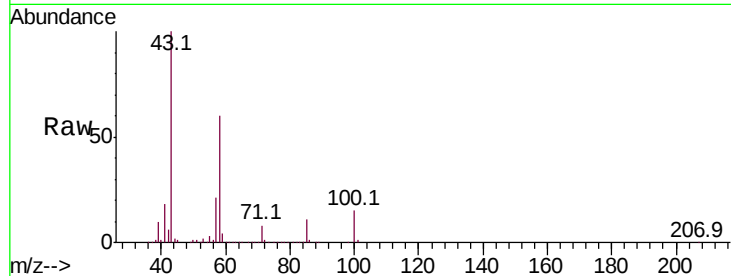
#59
2-Hexanone
Concen: 264.853 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	59.4	Resp	166868	Lower	28.9	Upper	86.8
Ion	43	58	Ratio	100	59.4	Resp	166868	Lower	28.9	Upper	86.8

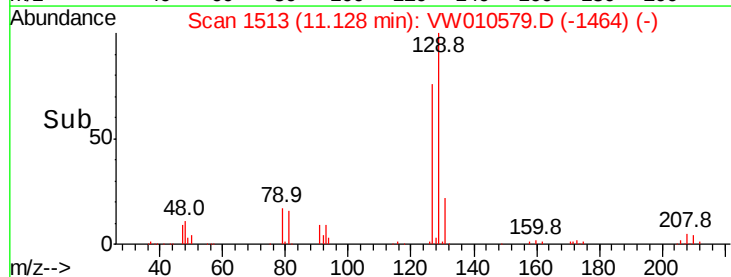
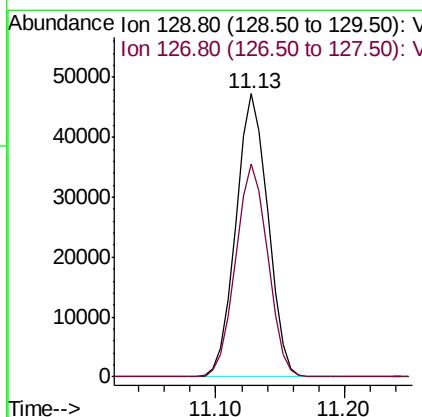
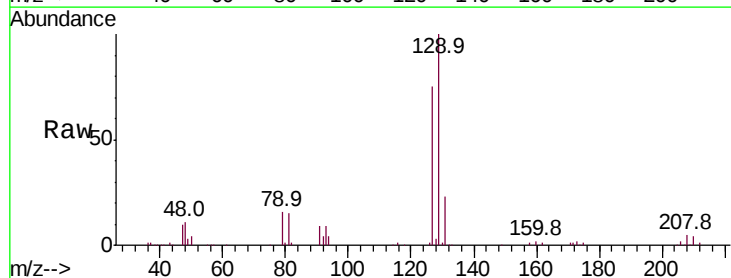
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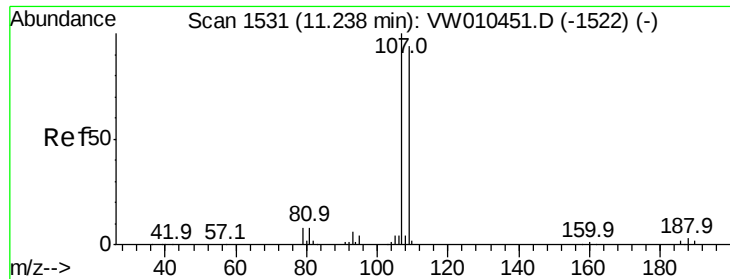
MMDadoda
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#60
Dibromochloromethane
Concen: 56.515 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	129	127	Ratio	100	75.4	Resp	81465	Lower	38.9	Upper	116.7
Ion	129	127	Ratio	100	75.4	Resp	81465	Lower	38.9	Upper	116.7





#61

1,2-Dibromoethane

Concen: 55.227 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 63718

Ion Ratio Lower Upper

107 100

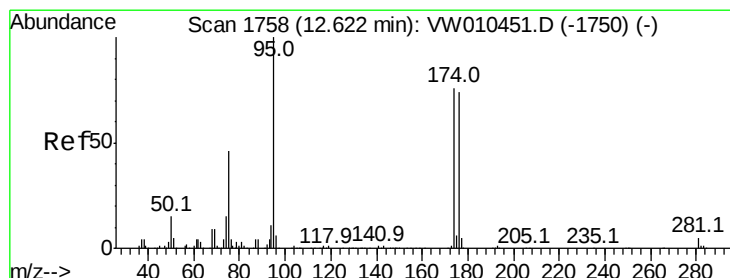
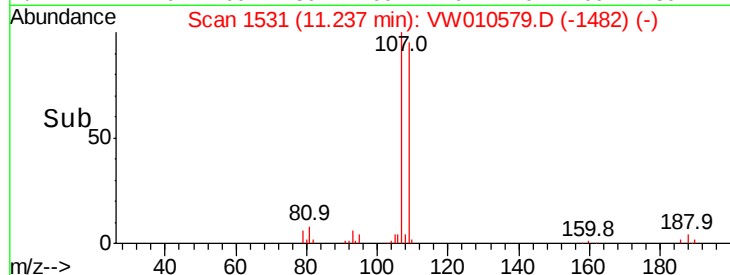
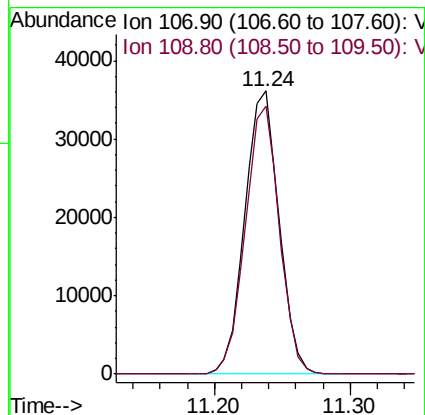
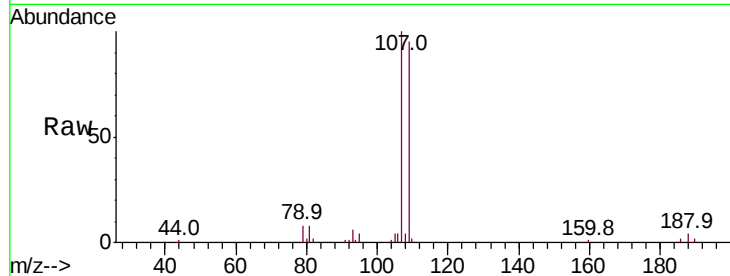
109 94.3 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 50.526 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

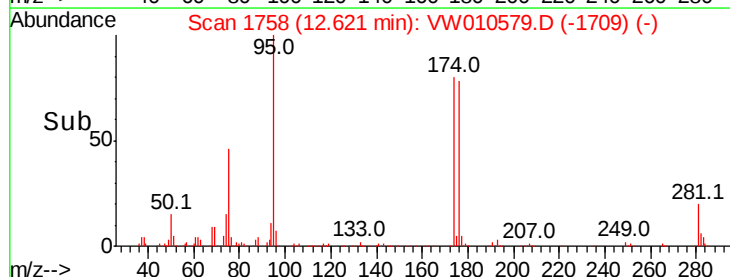
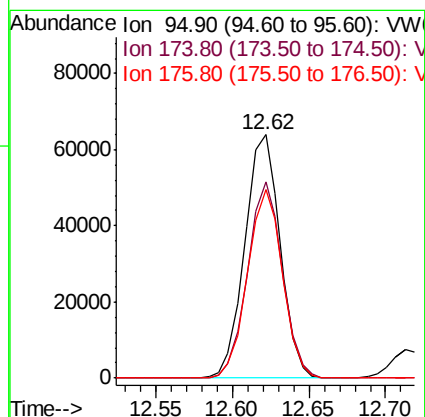
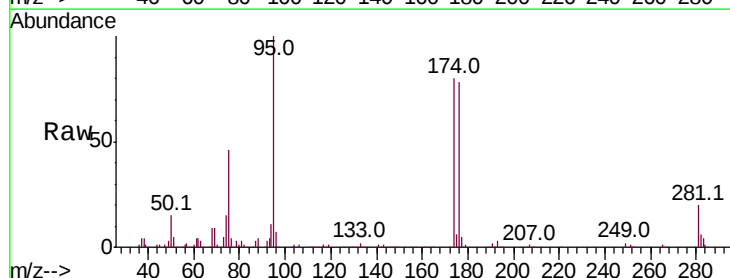
Tgt Ion: 95 Resp: 102745

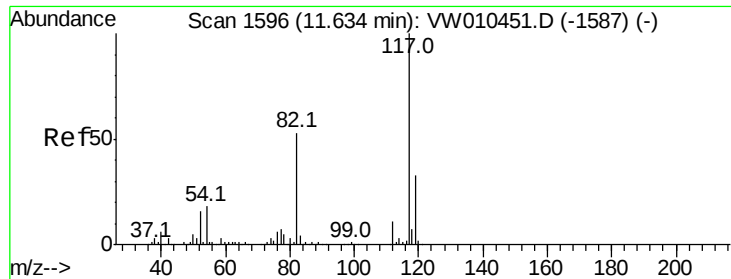
Ion Ratio Lower Upper

95 100

174 78.9 0.0 148.6

176 76.6 0.0 144.2





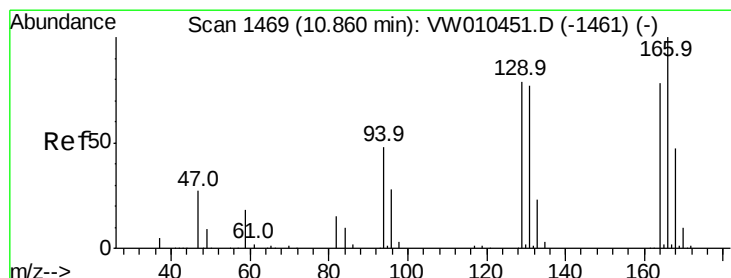
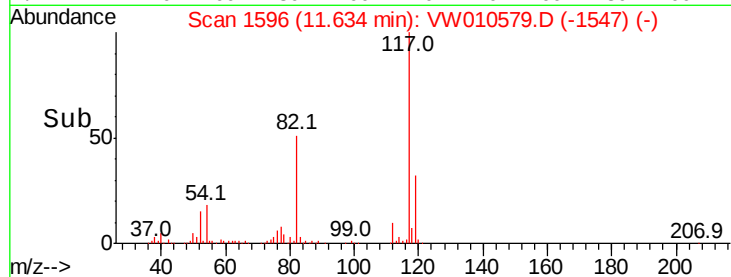
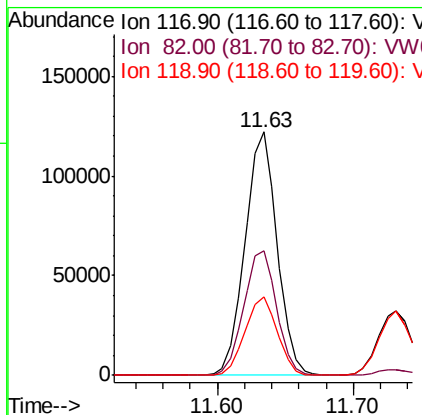
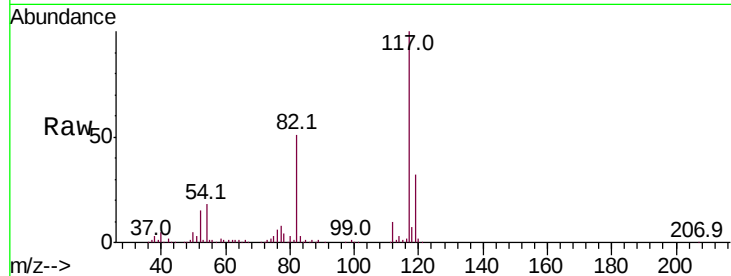
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	201233		
82	51.0	42.8	64.2	
119	32.1	26.3	39.5	

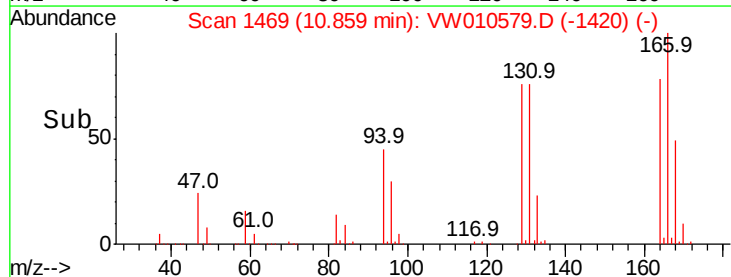
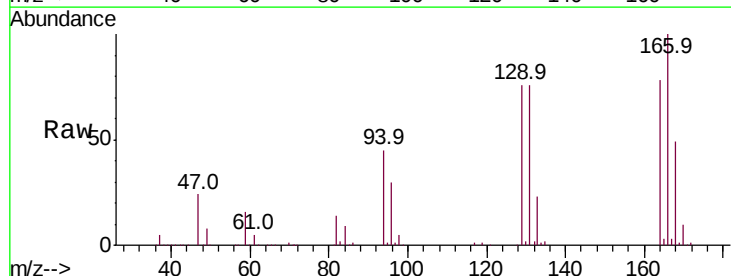
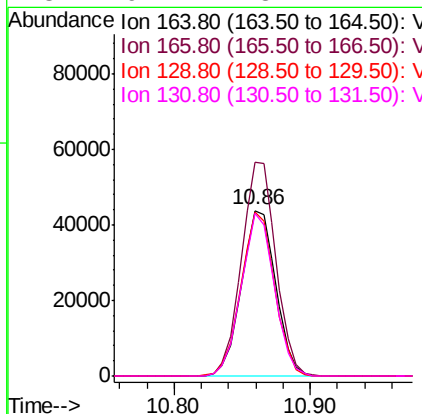
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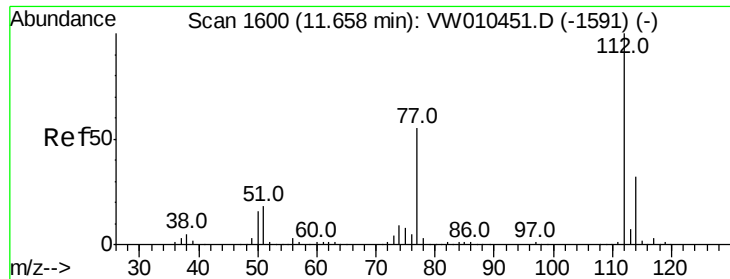
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#64
Tetrachloroethene
Concen: 55.085 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77272		
166	128.9	101.9	152.9	
129	98.6	80.6	121.0	
131	97.7	78.2	117.2	





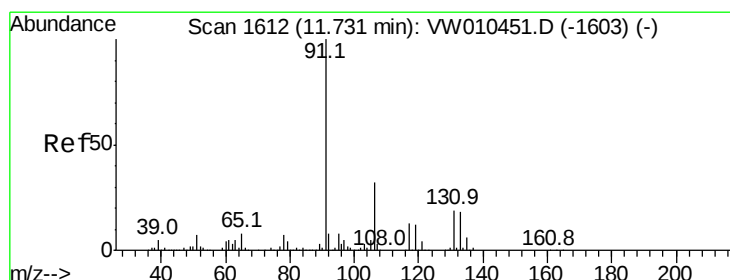
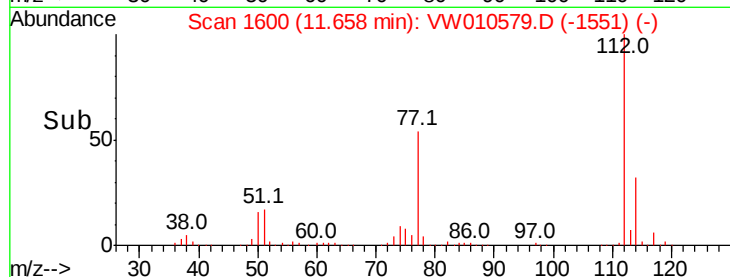
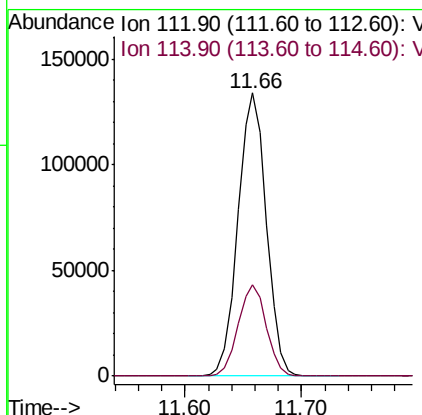
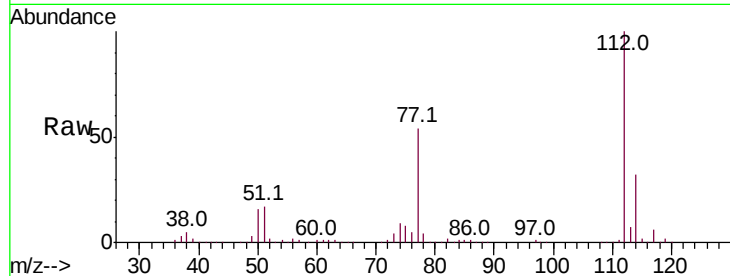
#65
Chlorobenzene
Concen: 52.898 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 226866
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

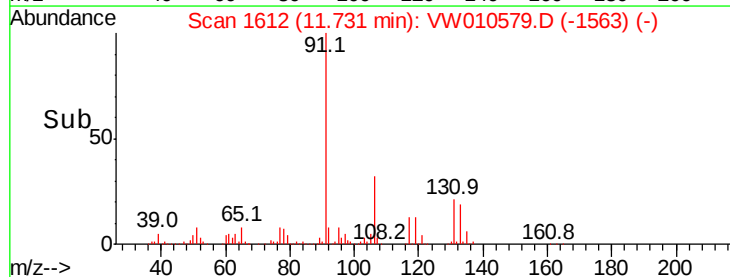
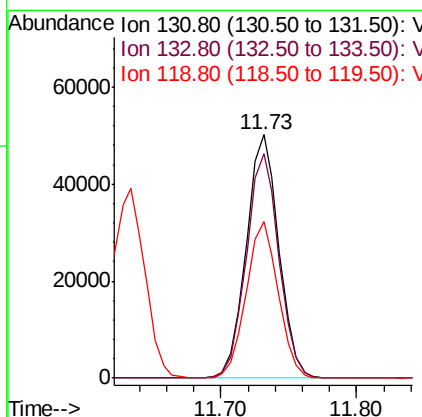
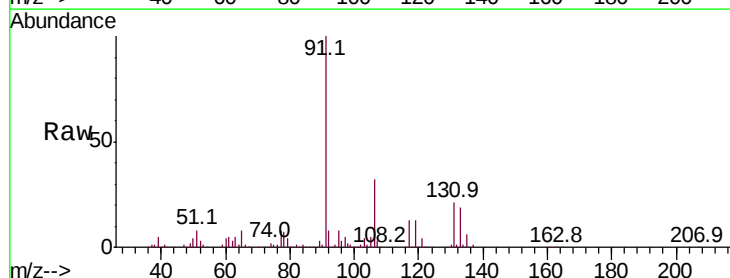
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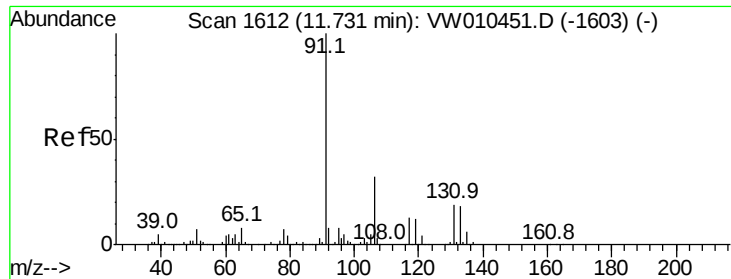
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion:131 Resp: 83854
Ion Ratio Lower Upper
131 100
133 92.6 47.3 141.9
119 63.8 32.1 96.5





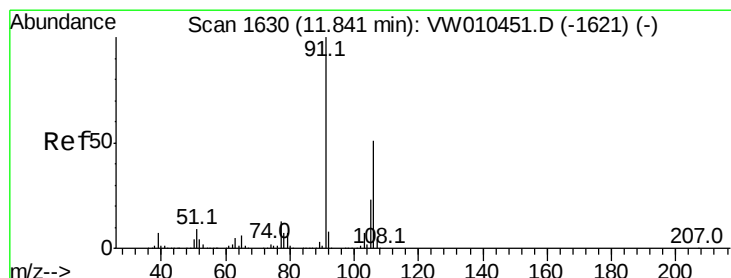
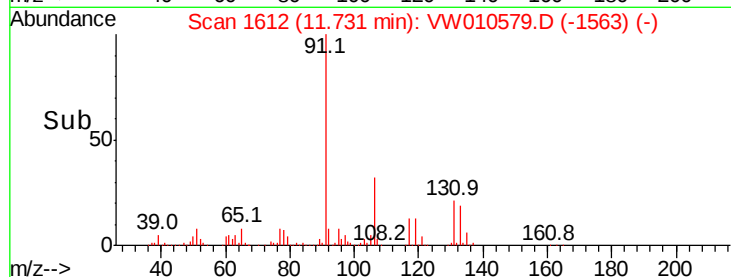
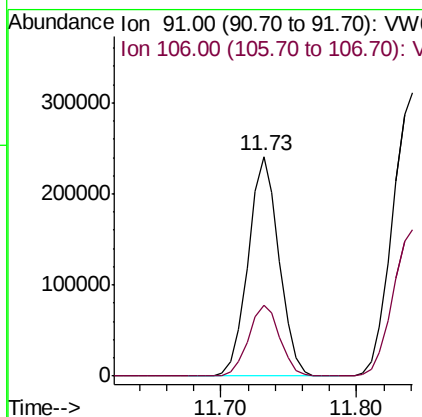
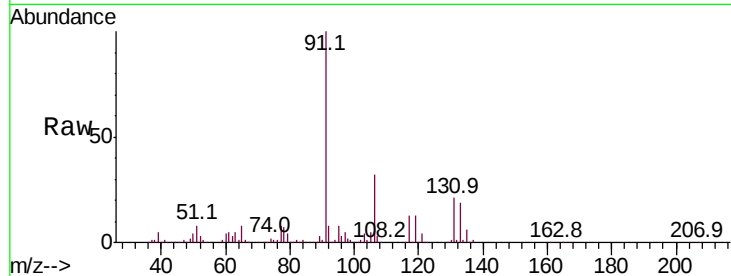
#67
Ethyl Benzene
Concen: 50.468 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 382142
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9

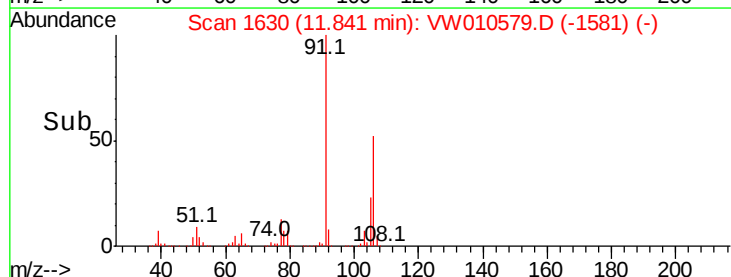
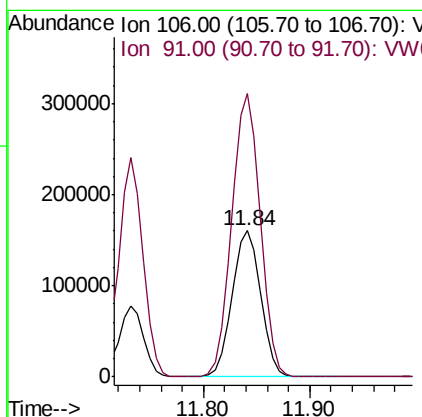
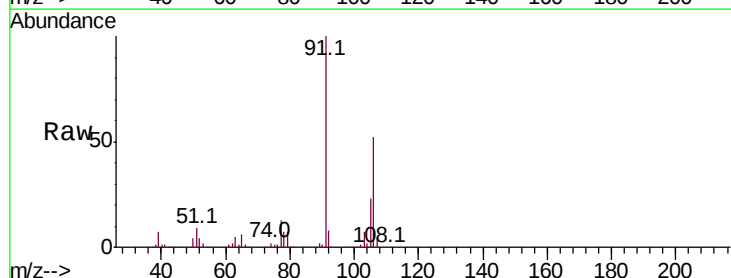
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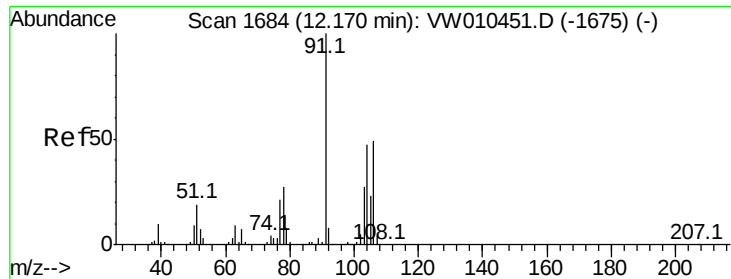
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#68
m/p-Xylenes
Concen: 101.656 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion: 106 Resp: 301914
Ion Ratio Lower Upper
106 100
91 193.4 156.0 234.0





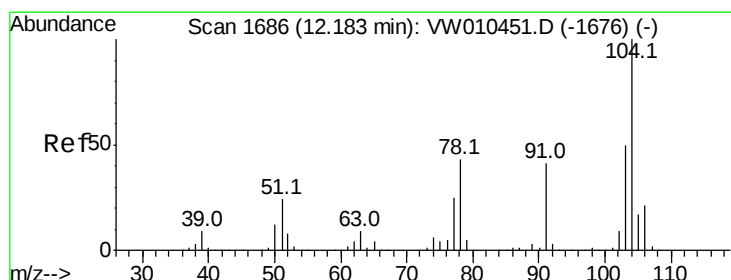
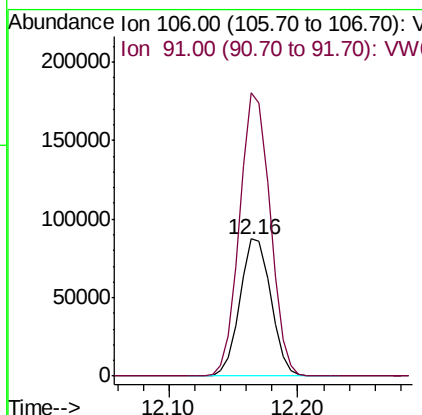
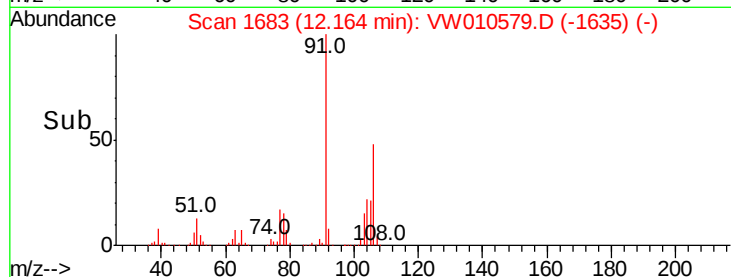
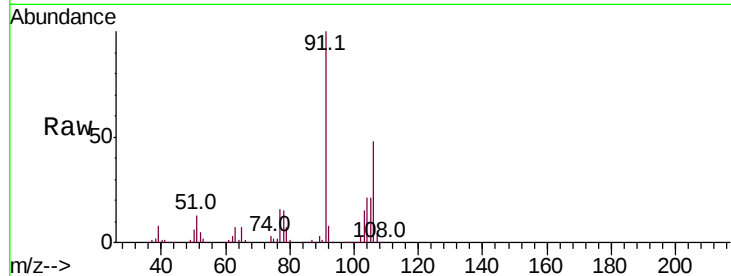
#69
o-Xylene
Concen: 51.740 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 145590
Ion Ratio Lower Upper
106 100
91 203.5 103.2 309.4

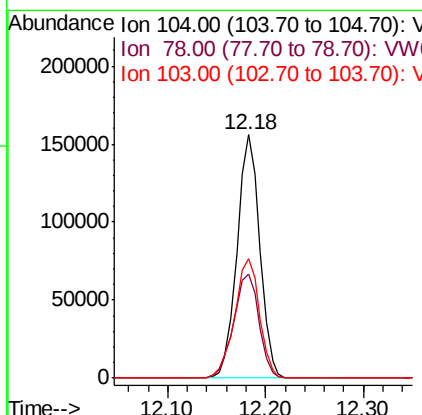
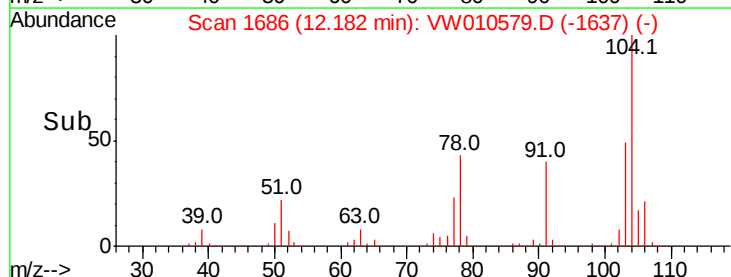
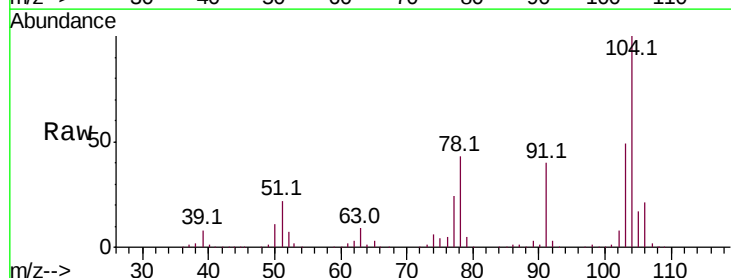
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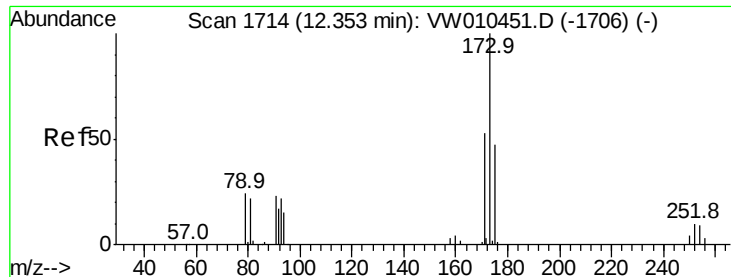
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#70
Styrene
Concen: 52.614 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion:104 Resp: 251197
Ion Ratio Lower Upper
104 100
78 47.8 39.0 58.4
103 53.4 43.0 64.6





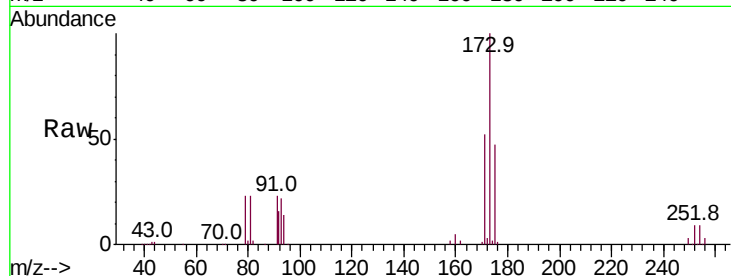
#71
Bromoform
Concen: 55.782 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

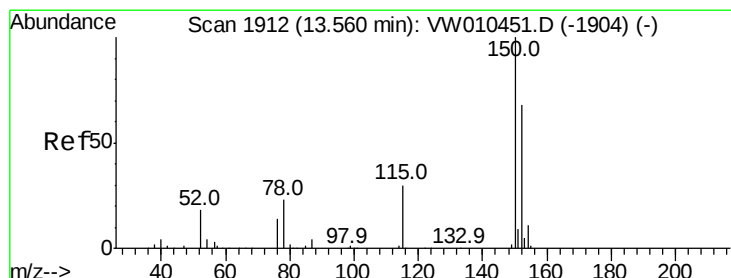
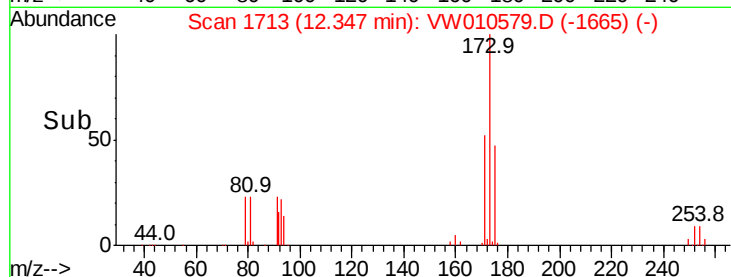
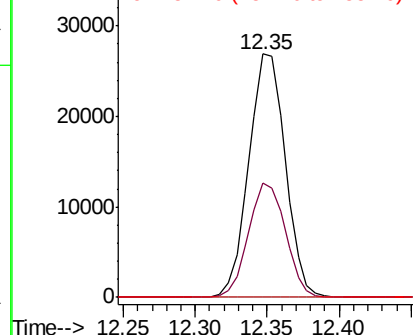
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.4	73.4
254	0.1	0.0	0.0

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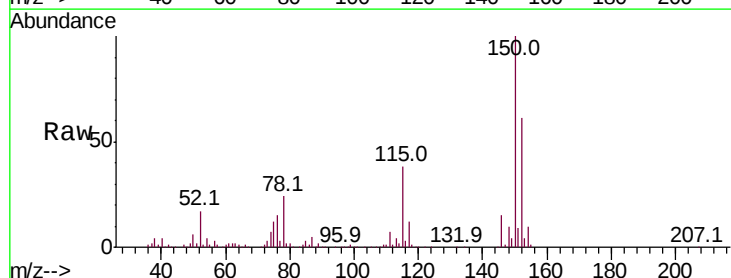


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

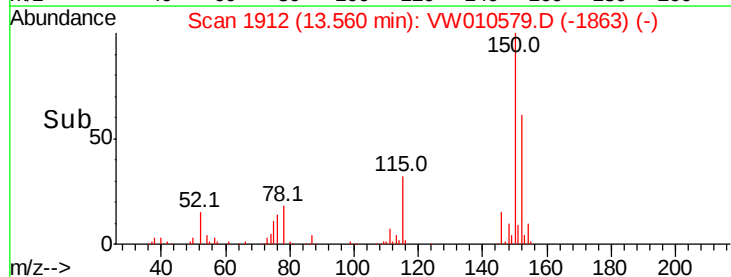
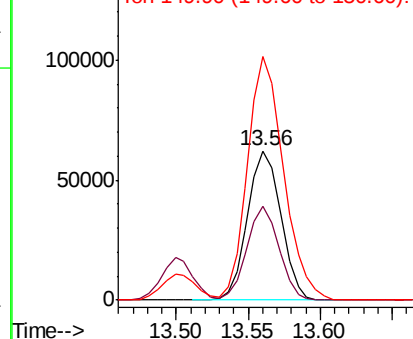


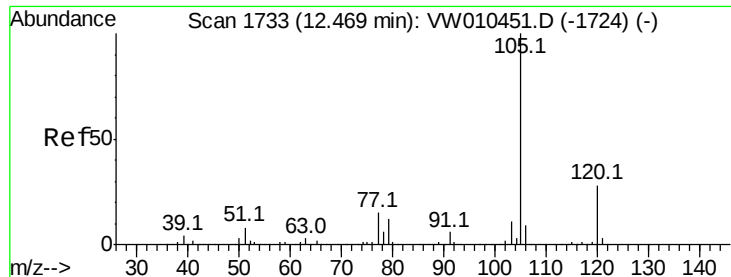
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.3	91.0
150	175.8	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: 48.766 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 386627

Ion Ratio Lower Upper

105 100

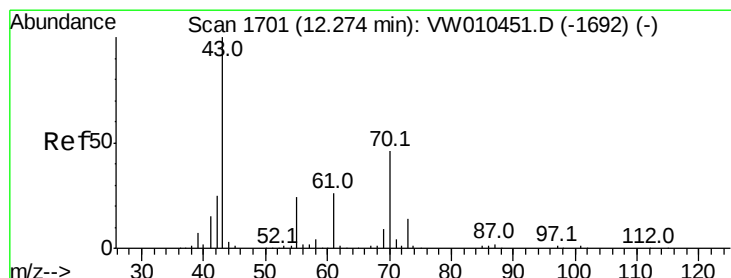
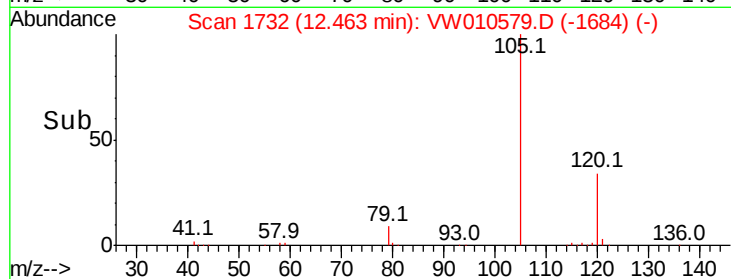
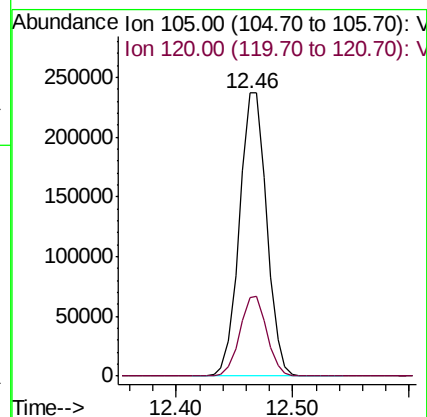
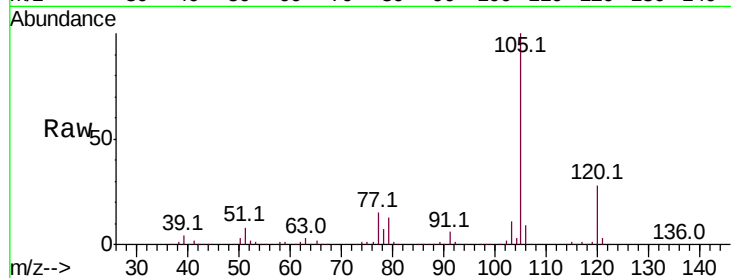
120 27.8 13.9 41.7

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#74

N-ethyl acetate

Concen: 49.336 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion: 43 Resp: 89633

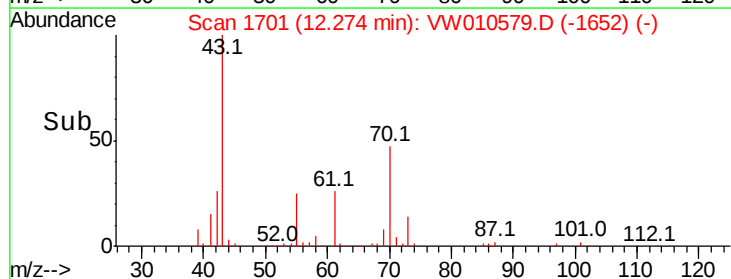
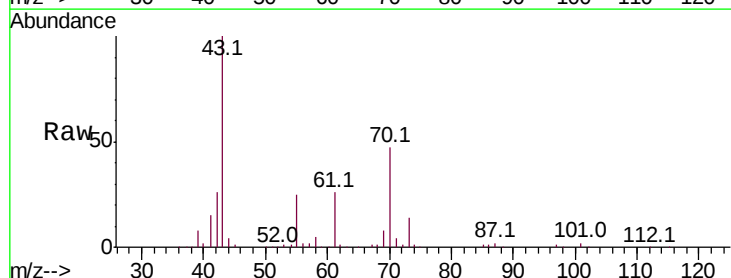
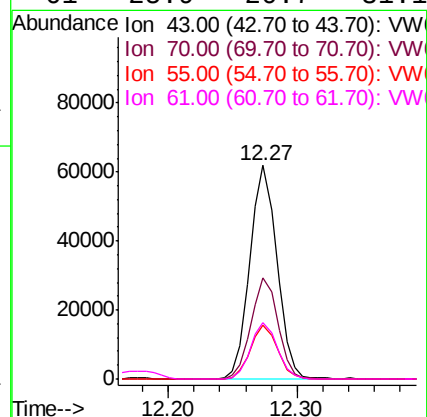
Ion Ratio Lower Upper

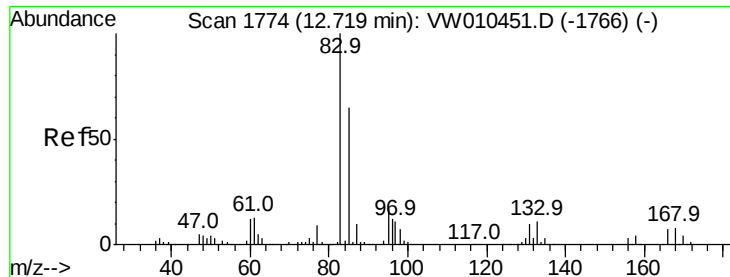
43 100

70 47.1 37.1 55.7

55 25.3 19.6 29.4

61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.811 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

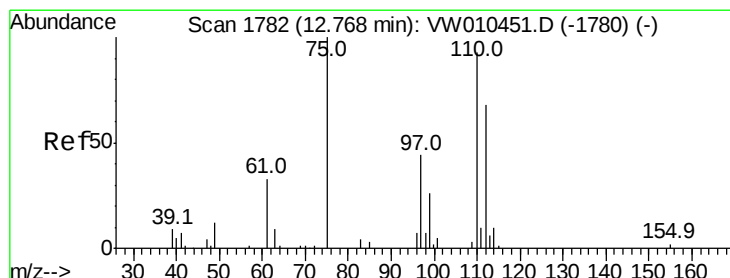
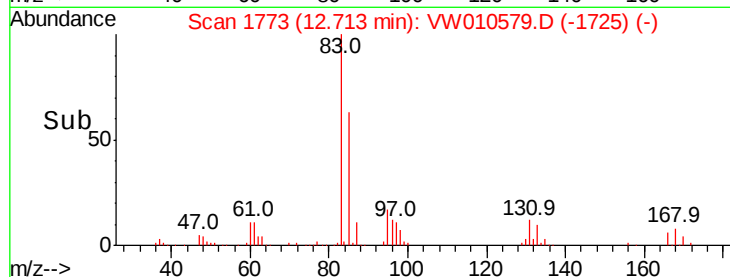
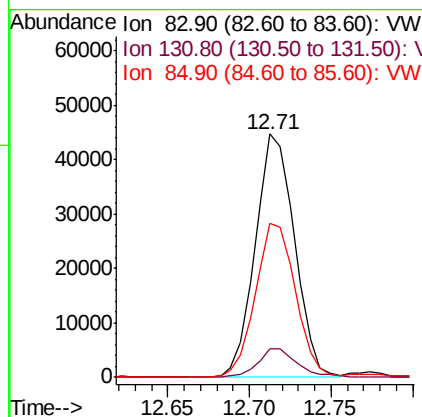
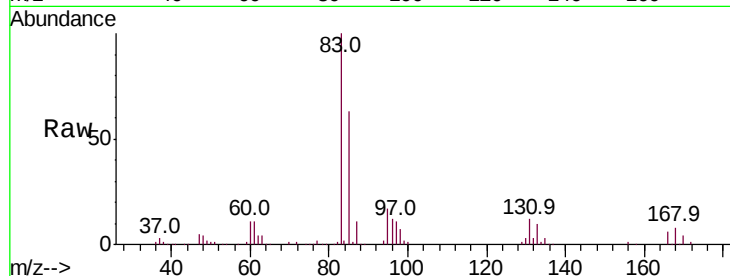
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	74713
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.6	16.8
85	64.5	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 39.844 ug/l m

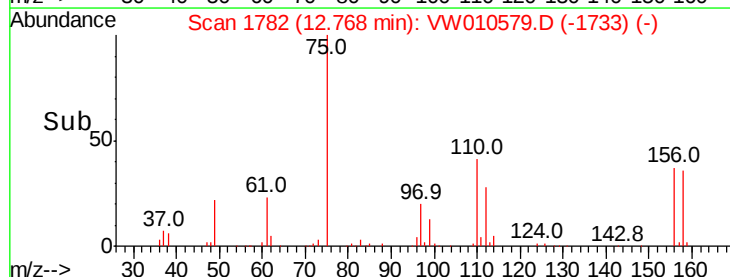
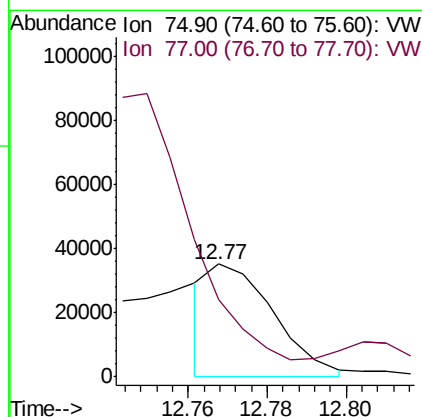
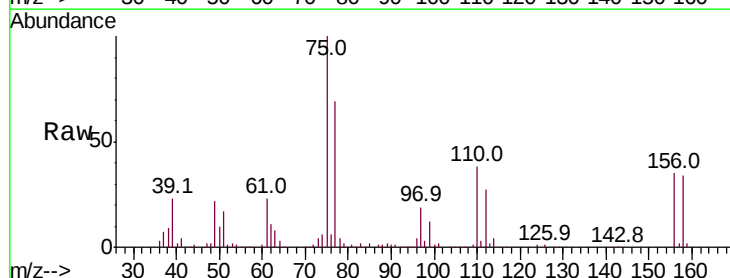
RT: 12.77 min Scan# 1782

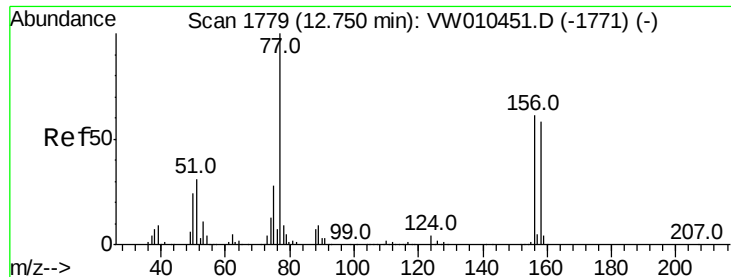
Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion:	75	Resp:	40408
Ion Ratio	Lower	Upper	
75	100		
77	412.9	170.0	510.1





#77

Bromobenzene

Concen: 53.634 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 95156

Ion Ratio Lower Upper

156 100

77 175.3 92.4 277.2

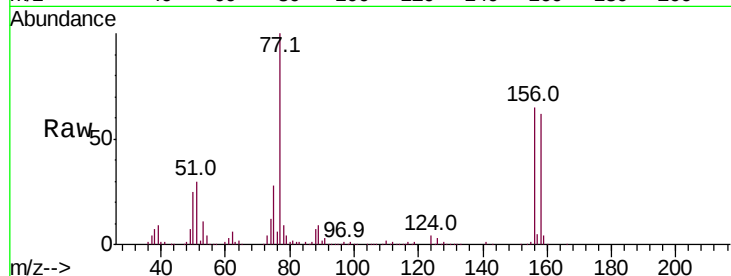
158 97.2 48.3 144.8

Manual Integrations

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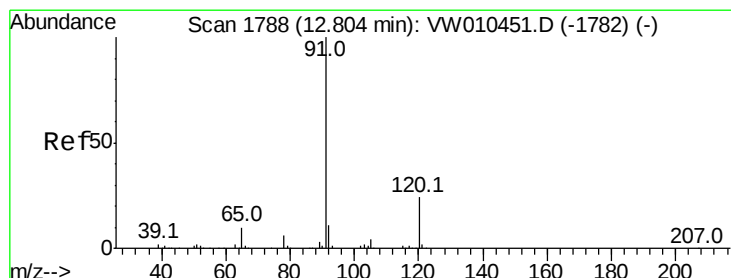
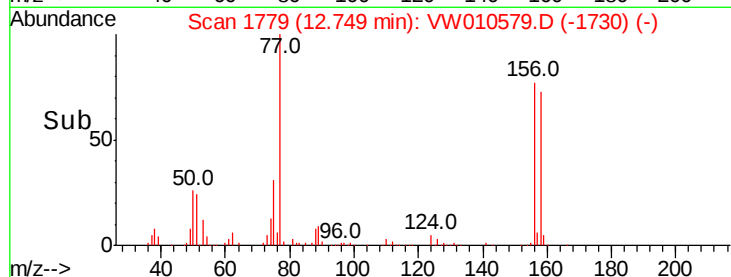
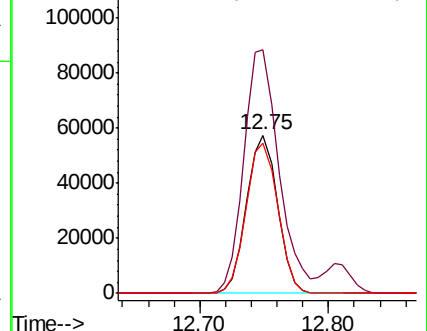
5/29/2019 11:06:13 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.479 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010579.D

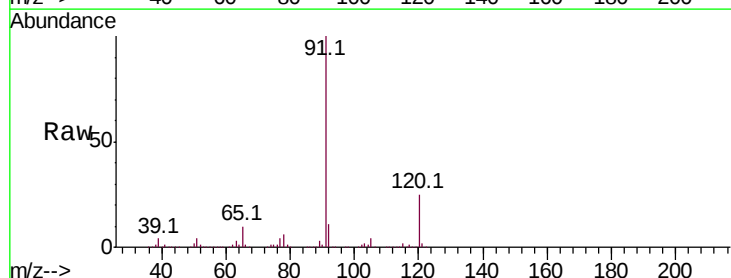
Acq: 28 May 2019 21:07

Tgt Ion: 91 Resp: 438674

Ion Ratio Lower Upper

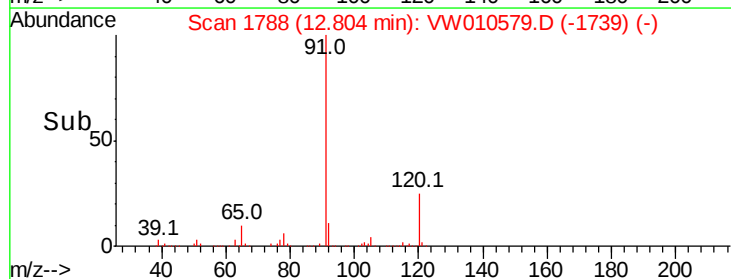
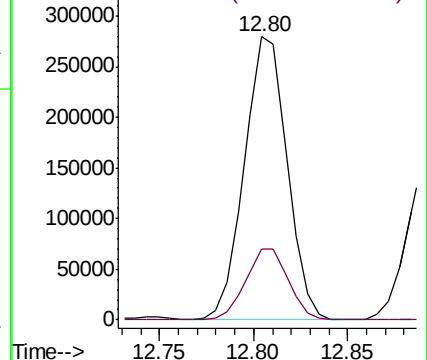
91 100

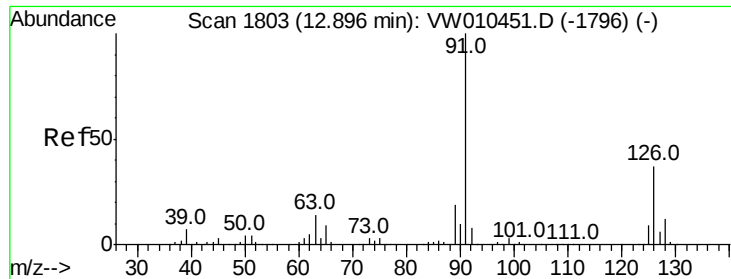
120 25.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.808 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 261516

Ion Ratio Lower Upper

91 100

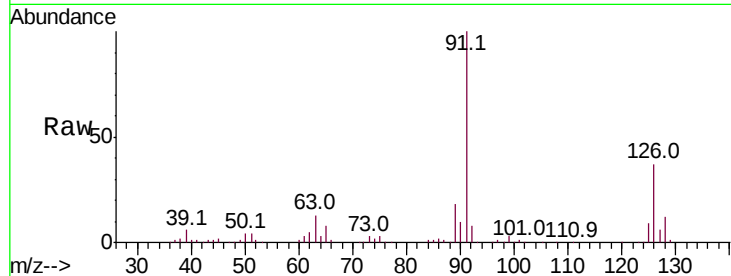
126 36.4 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

300000

250000

200000

150000

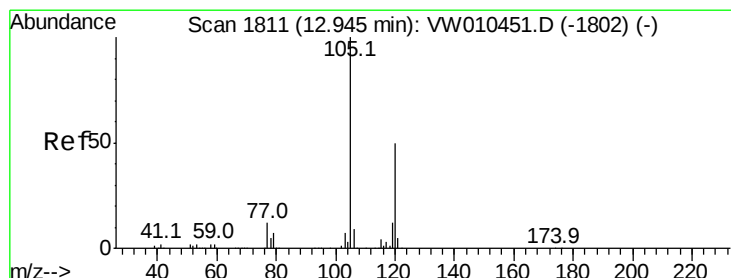
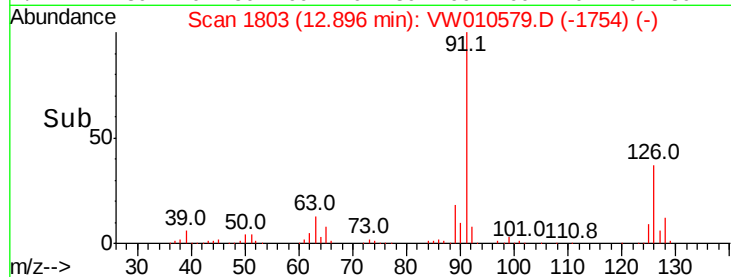
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.548 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010579.D

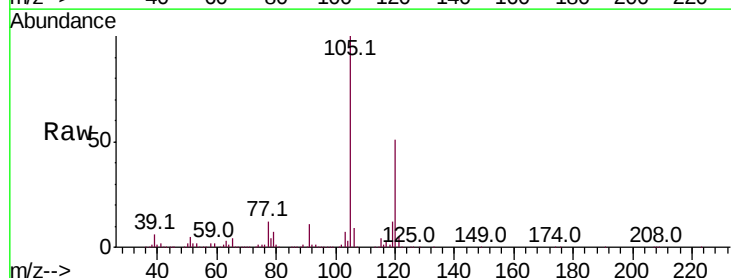
Acq: 28 May 2019 21:07

Tgt Ion:105 Resp: 332703

Ion Ratio Lower Upper

105 100

120 51.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

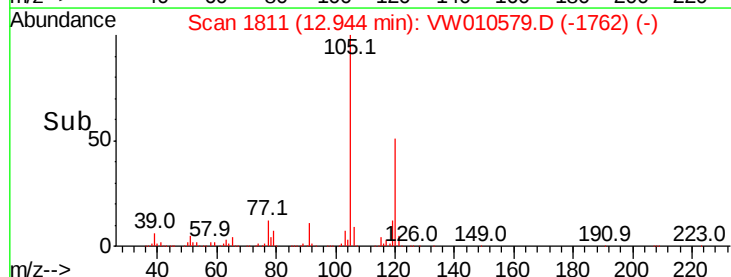
100000

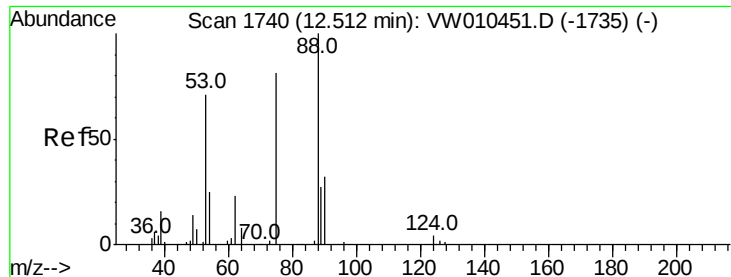
50000

0

12.90 12.94 12.98

Time-->





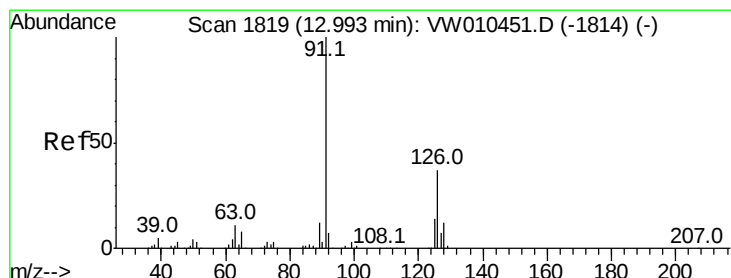
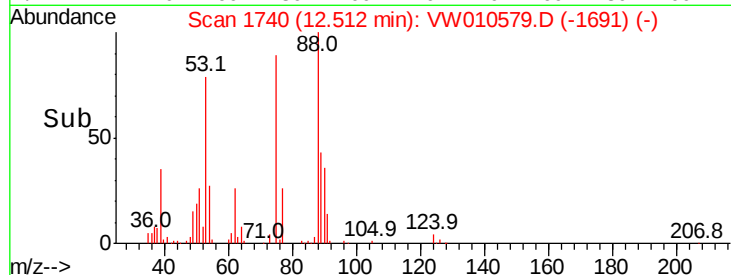
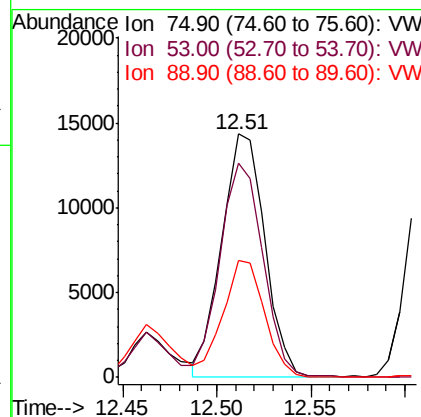
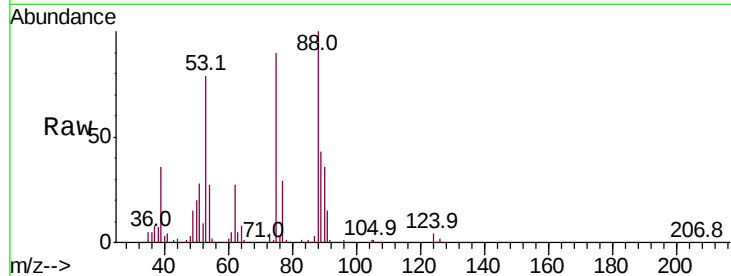
#81
trans-1,4-Dichloro-2-butene
Concen: 47.208 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.1	69.8	104.8
89	46.2	39.5	59.3

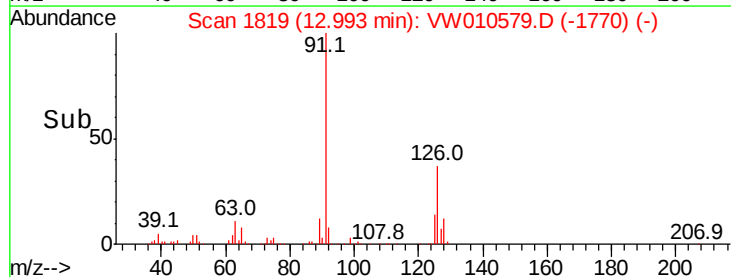
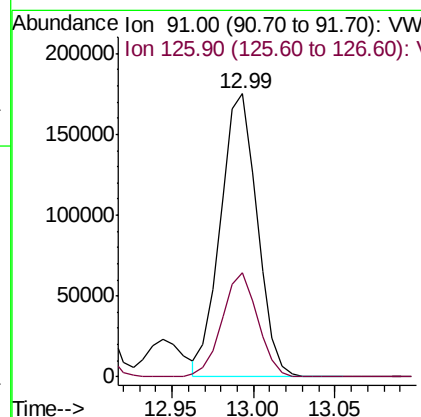
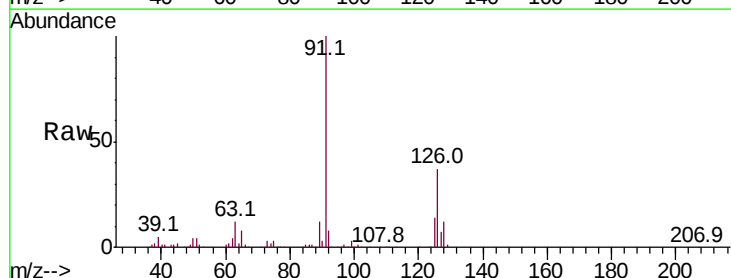
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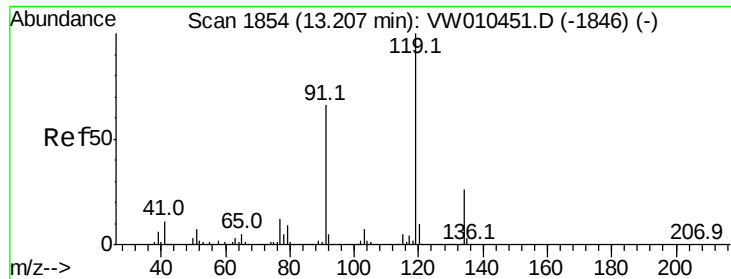
MMDadoda
5/29/2019 11:06:13 AM



#82
4-Chlorotoluene
Concen: 49.322 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.5	52.6





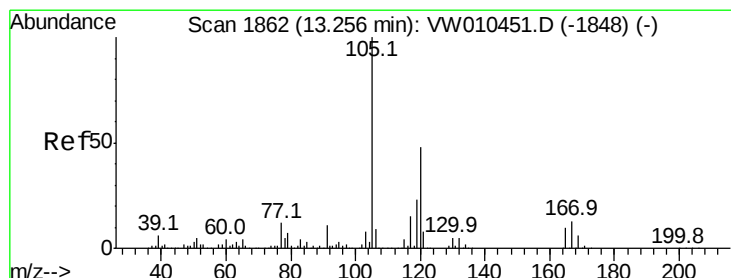
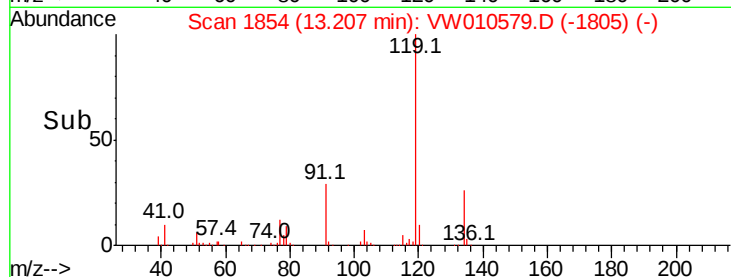
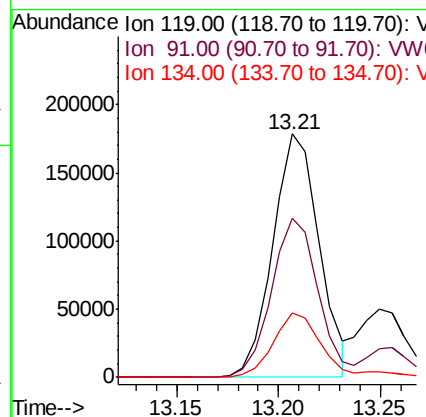
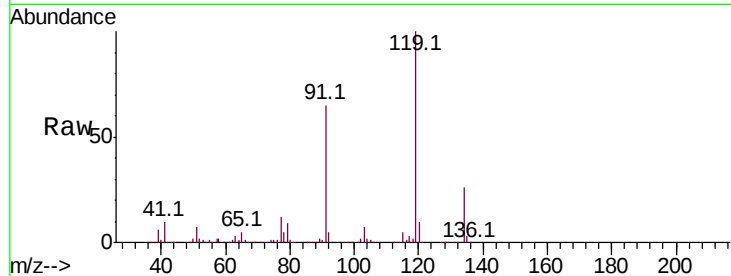
#83
tert-Butylbenzene
Concen: 48.355 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283620		
91	66.1		33.1	99.5
134	28.3		13.9	41.6

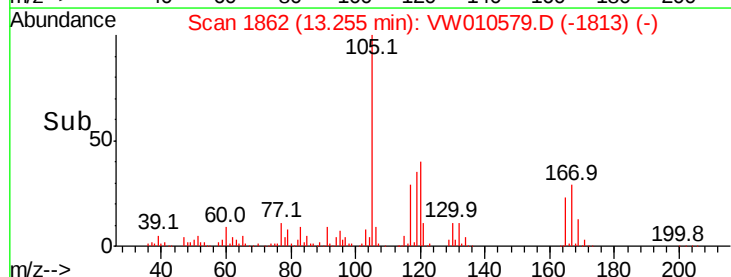
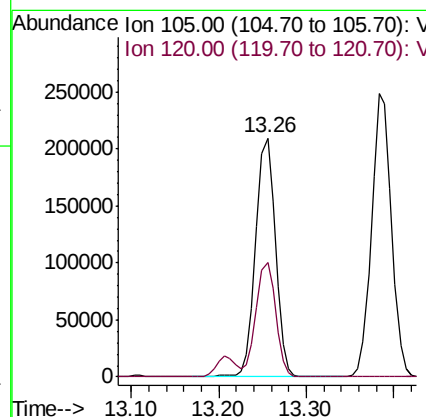
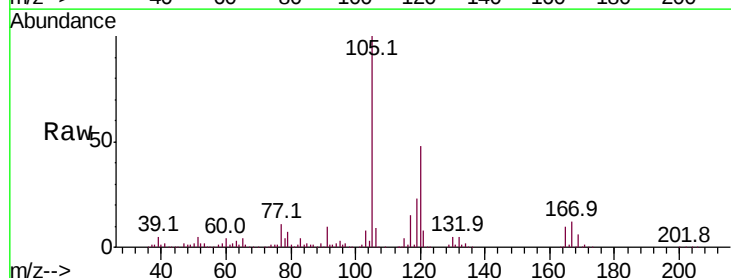
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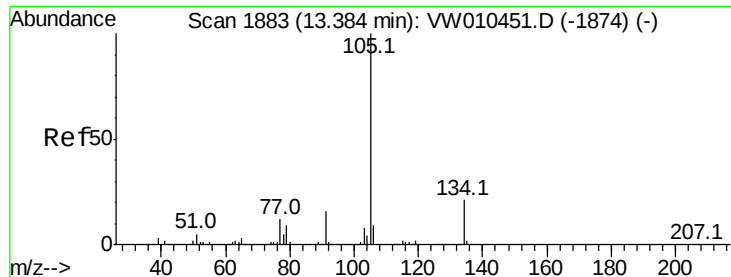
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.272 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	329513		
120	47.6		23.4	70.2





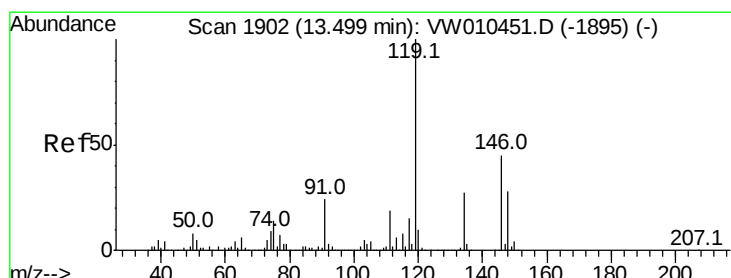
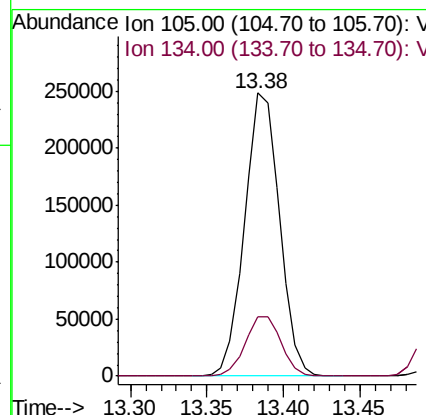
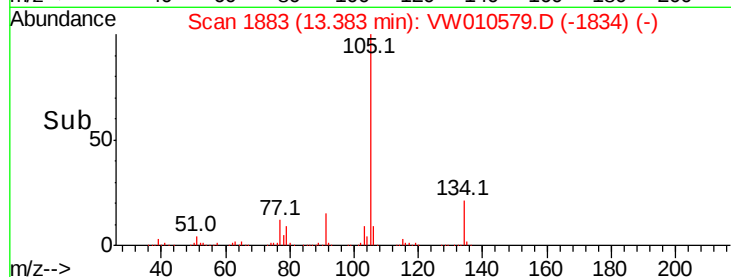
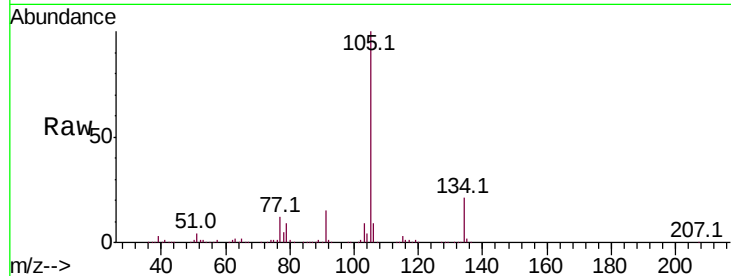
#85
 sec-Butylbenzene
 Concen: 47.939 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.5	31.6

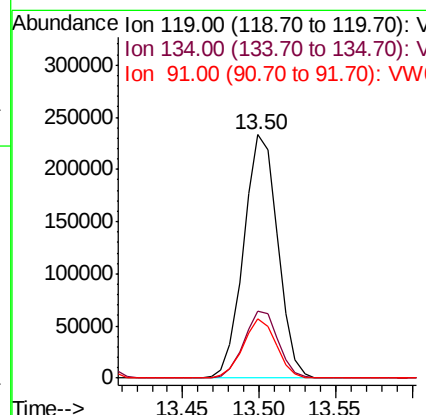
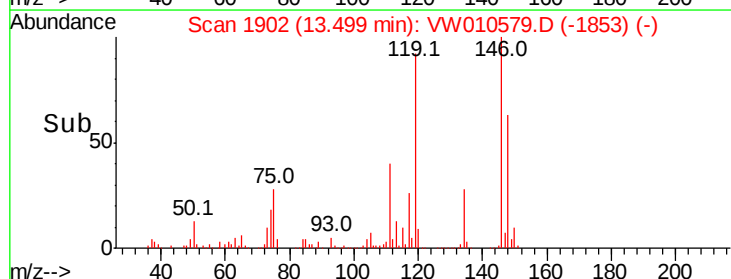
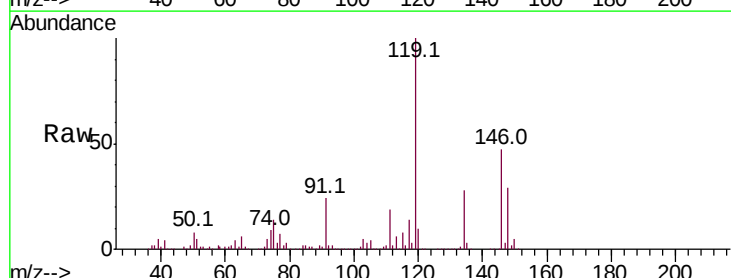
Manual Integrations
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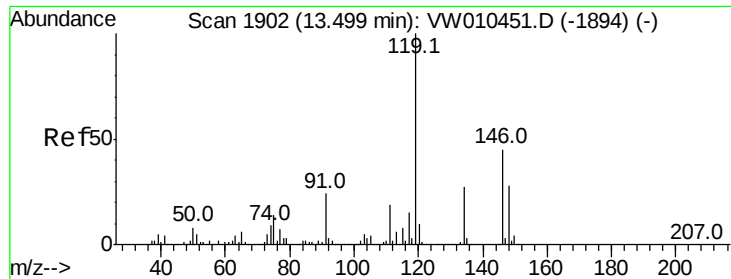
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 5/29/2019 11:06:13 AM



#86
 p-Isopropyltoluene
 Concen: 48.372 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.6	40.7
91	23.5	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 52.056 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Instrument :

MSVOA_W

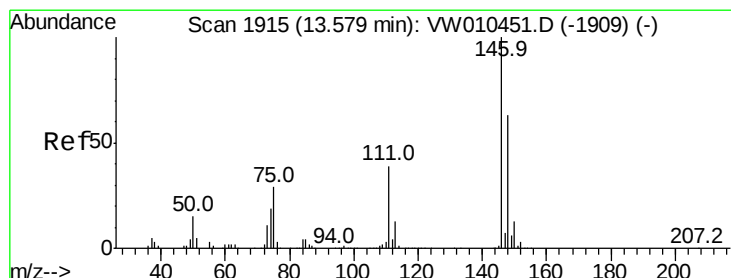
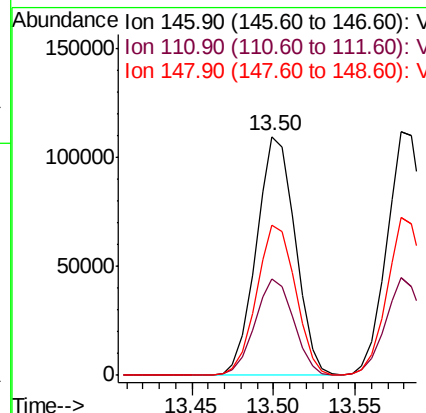
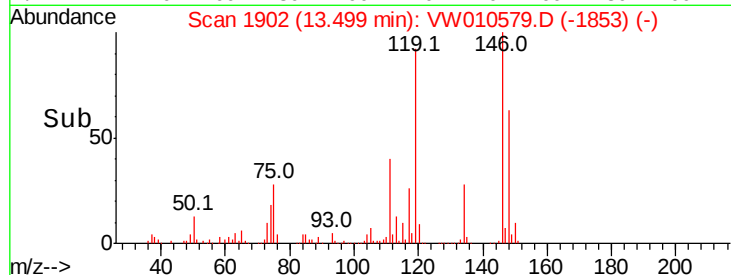
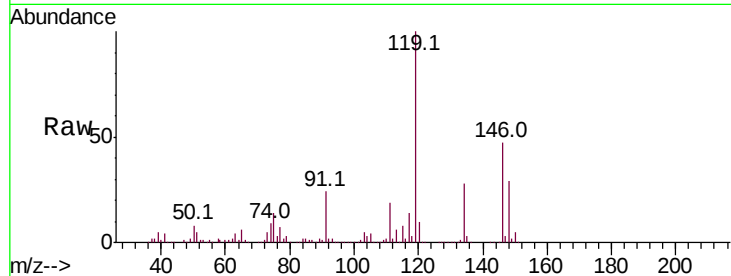
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	181198
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.3	60.9
148	63.0	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.563 ug/l

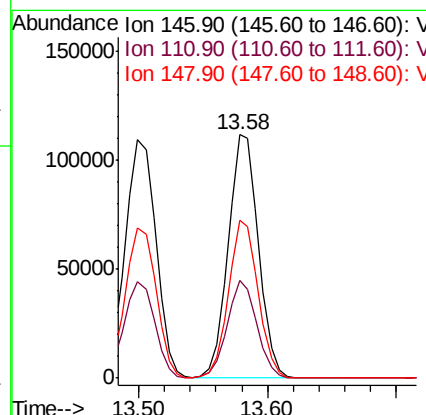
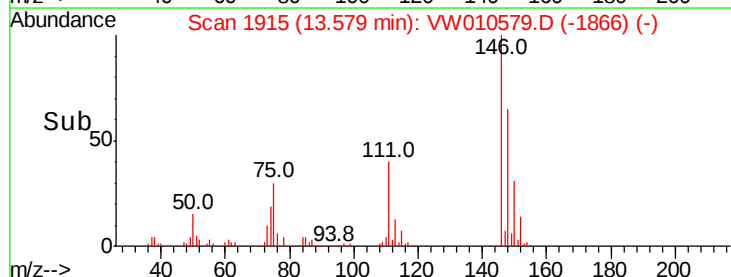
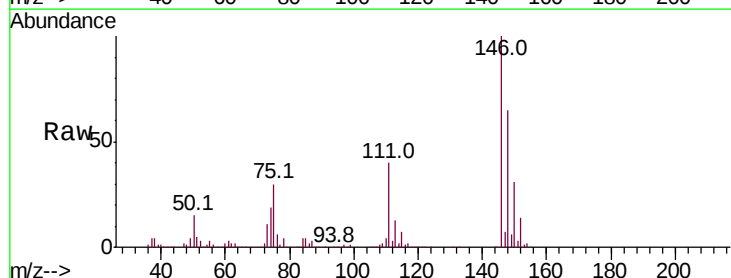
RT: 13.58 min Scan# 1915

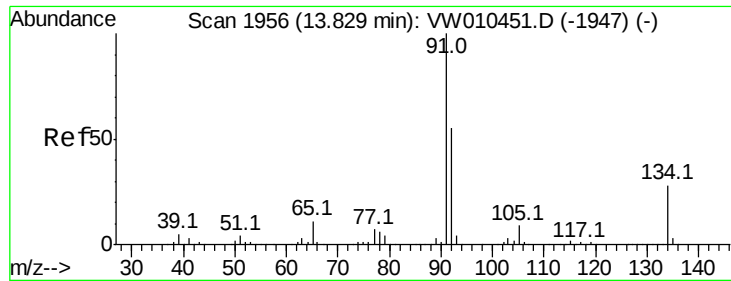
Delta R.T. -0.00 min

Lab File: VW010579.D

Acq: 28 May 2019 21:07

Tgt Ion:	146	Resp:	183570
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.9	59.6
148	63.5	31.6	94.8





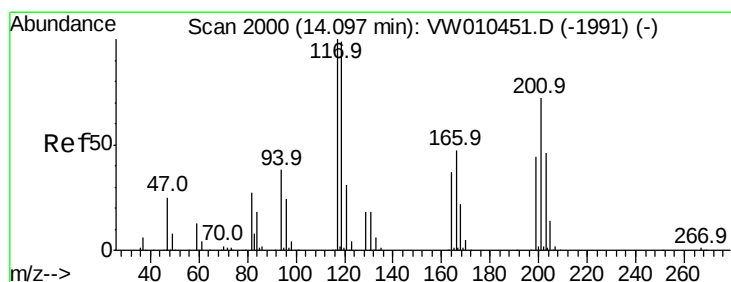
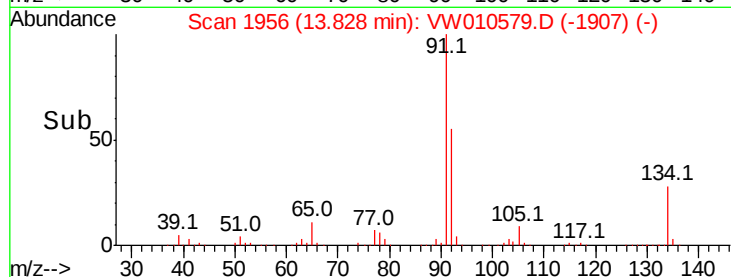
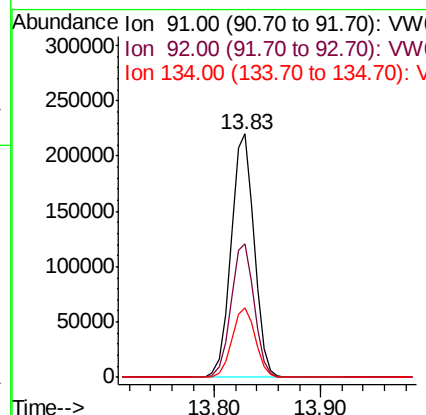
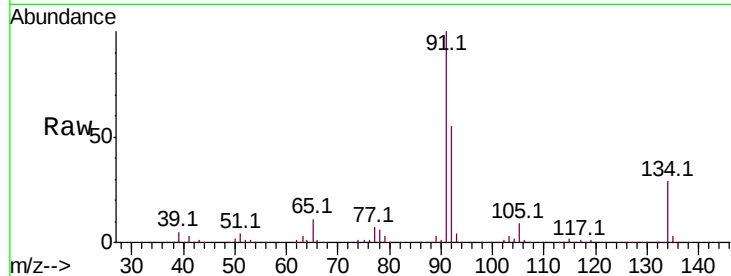
#89
n-Butylbenzene
Concen: 47.118 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.7	83.1
134	28.9	13.9	41.6

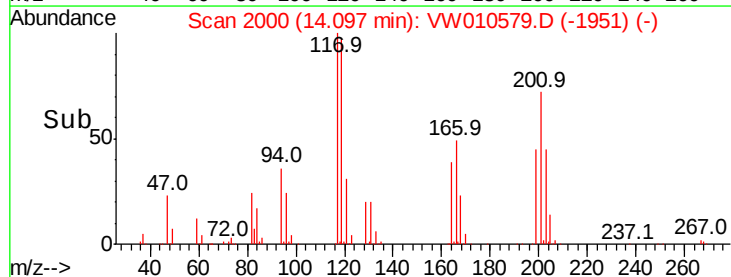
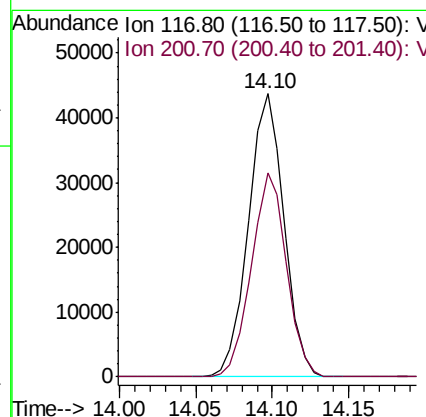
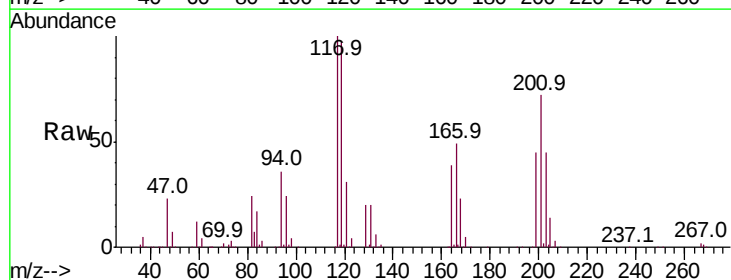
Manual Integrations
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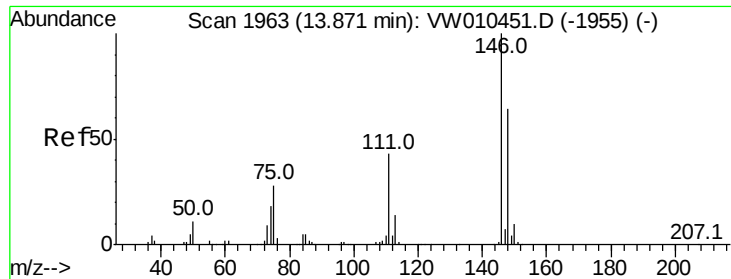
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#90
Hexachloroethane
Concen: 49.081 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	34.6	103.8





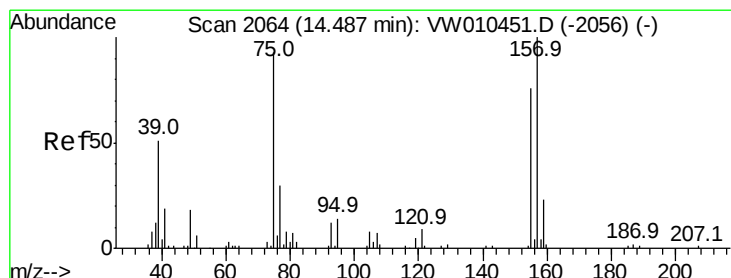
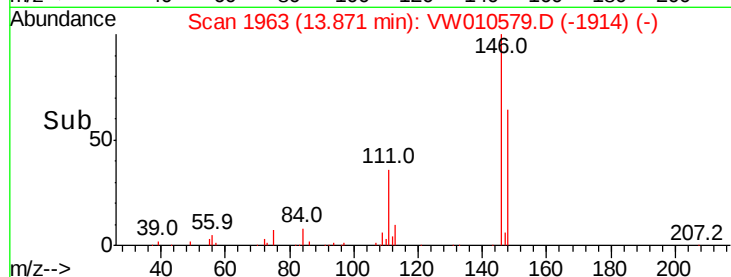
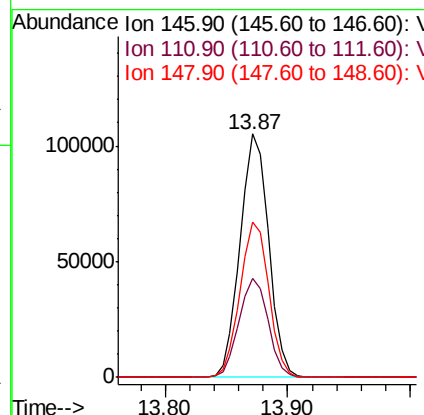
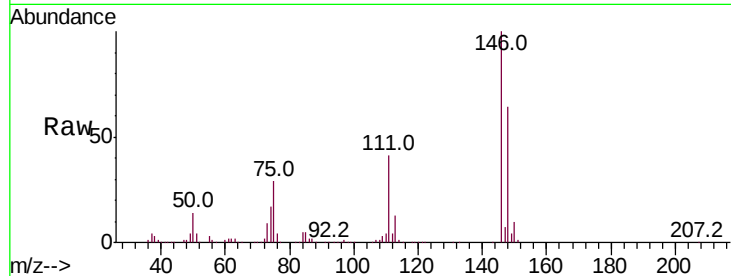
#91
1,2-Dichlorobenzene
Concen: 53.488 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	64.0
148	64.4	32.0	96.0

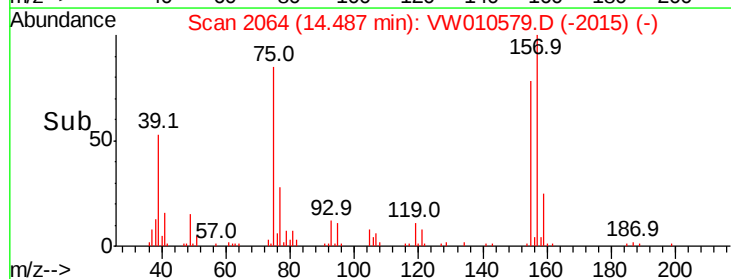
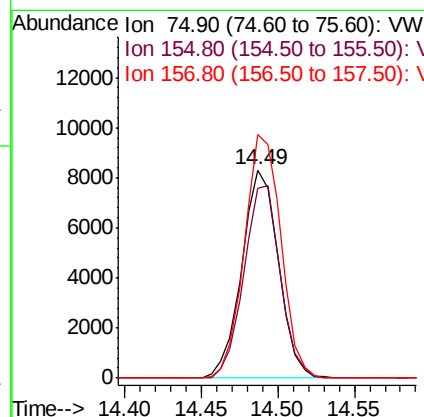
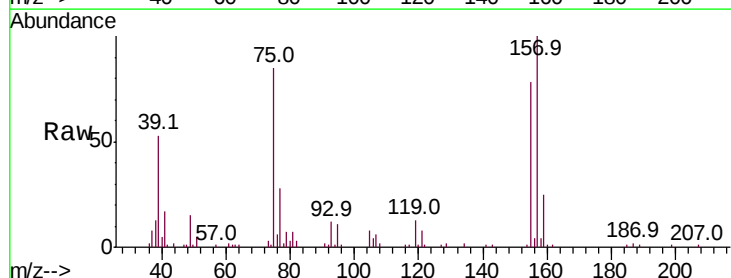
Manual Integrations
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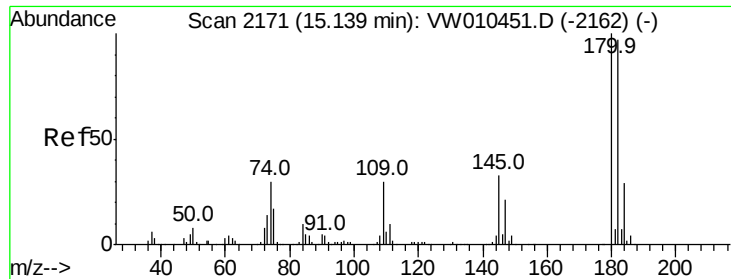
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#92
1,2-Dibromo-3-Chloropropane
Concen: 51.500 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	43.0	129.0
157	116.9	55.7	167.1





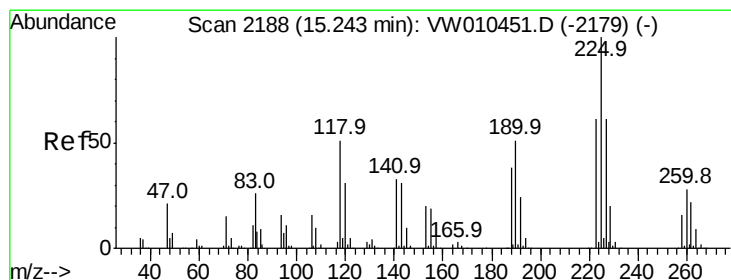
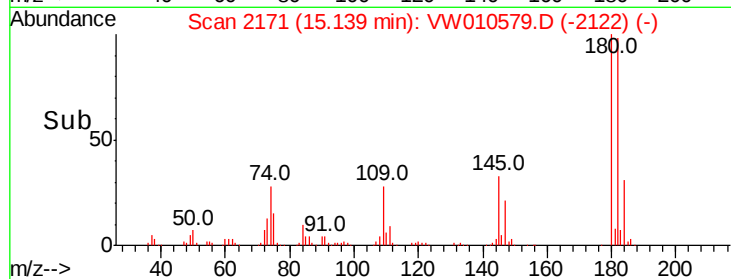
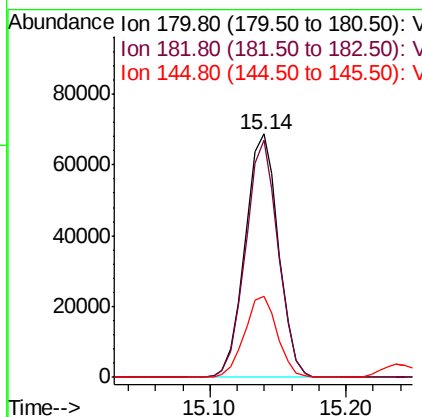
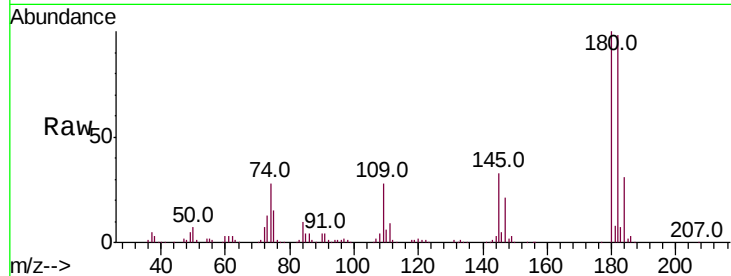
#93
 1,2,4-Trichlorobenzene
 Concen: 54.675 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117985		
182	95.0	47.0	141.2	
145	32.7	16.7	50.0	

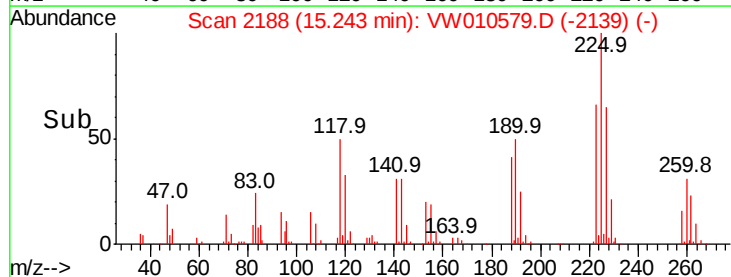
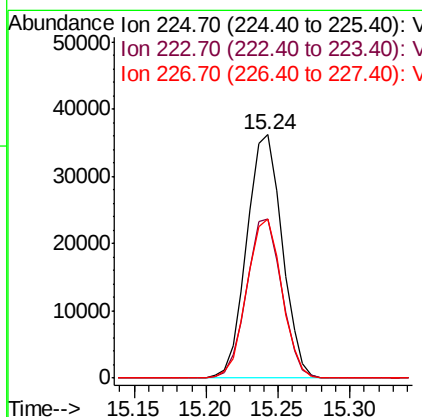
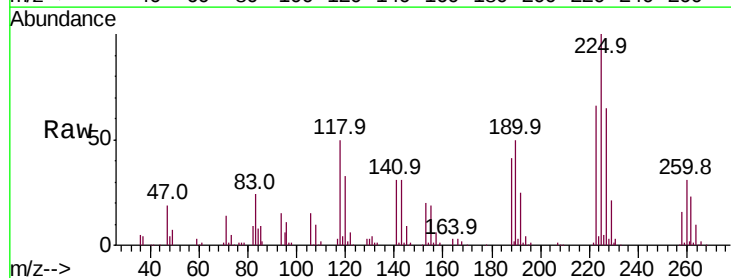
Manual Integrations
 APPROVED

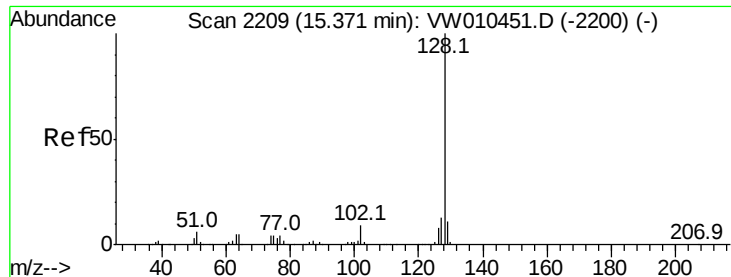
MMDadoda
 5/29/2019 11:06:13 AM



#94
 Hexachlorobutadiene
 Concen: 53.304 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010579.D
 Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61449		
223	65.0	31.1	93.2	
227	64.6	31.1	93.5	





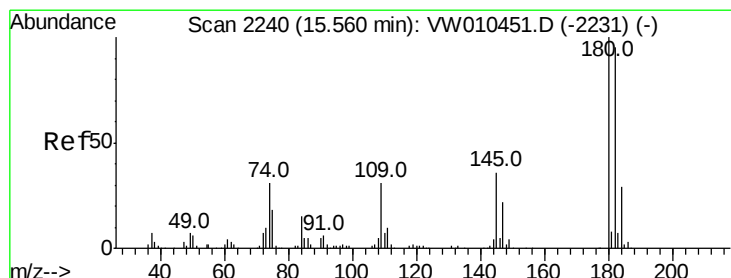
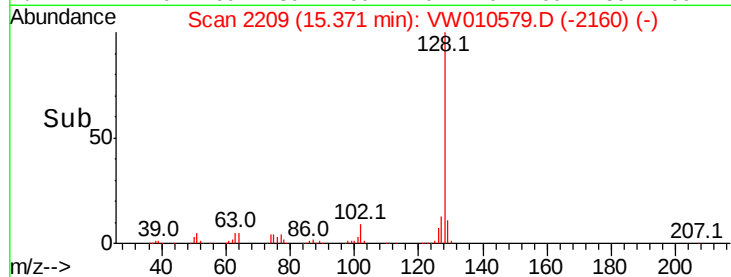
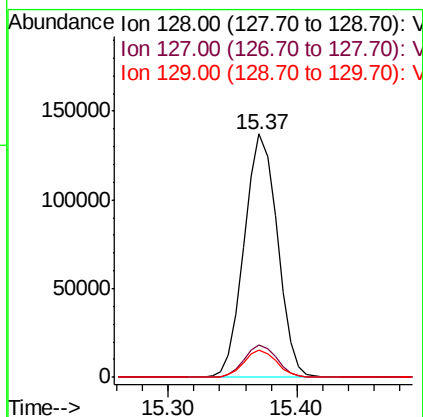
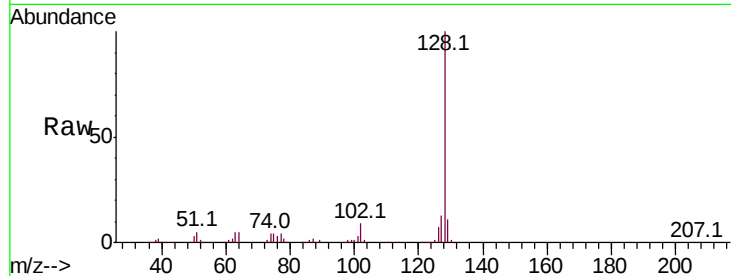
#95
Naphthalene
Concen: 53.932 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	244300		
127	13.0		10.6	15.8
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:06:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.228 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010579.D
Acq: 28 May 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104405		
182	94.2		47.1	141.3
145	35.2		17.4	52.3

