

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011330.D
 Acq On : 18 Jul 2019 10:48
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:53:50 AM

Quant Time: Jul 19 06:56:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	103631	42.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.64%	
35) Dibromofluoromethane	7.88	113	82047	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	
50) Toluene-d8	10.32	98	331474	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	
62) 4-Bromofluorobenzene	12.62	95	118518	42.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	63413	44.146	ug/l	97
3) Chloromethane	2.21	50	86513	46.740	ug/l	96
4) Vinyl Chloride	2.36	62	111105	45.861	ug/l	96
5) Bromomethane	2.77	94	59053	48.509	ug/l	94
6) Chloroethane	2.92	64	63187	48.423	ug/l	97
7) Trichlorofluoromethane	3.25	101	41535	48.261	ug/l	98
8) Diethyl Ether	3.68	74	56932	47.809	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	96312	46.720	ug/l	99
10) Methyl Iodide	4.26	142	138047	48.688	ug/l	99
11) Tert butyl alcohol	5.15	59	38531	215.042	ug/l	99
12) 1,1-Dichloroethene	4.04	96	102475	47.893	ug/l	95
13) Acrolein	3.89	56	32213	225.772	ug/l	99
14) Allyl chloride	4.66	41	200684	51.435	ug/l	99
15) Acrylonitrile	5.36	53	145448	239.825	ug/l	99
16) Acetone	4.12	43	184628	317.059	ug/l	98
17) Carbon Disulfide	4.38	76	306109	47.190	ug/l	99
18) Methyl Acetate	4.67	43	68375	41.037	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	157023	48.366	ug/l	99
20) Methylene Chloride	4.92	84	119720	52.116	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	107523	48.362	ug/l	94
22) Diisopropyl ether	6.31	45	405268	48.293	ug/l	99
23) Vinyl Acetate	6.24	43	1348386	259.630	ug/l	100
24) 1,1-Dichloroethane	6.21	63	215323	48.863	ug/l	99
25) 2-Butanone	7.17	43	245688	268.782	ug/l	99
26) 2,2-Dichloropropane	7.16	77	116255	50.752	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	117109	48.830	ug/l	98
28) Bromochloromethane	7.51	49	95388	47.605	ug/l	100
29) Tetrahydrofuran	7.52	42	139165	232.186	ug/l	100
30) Chloroform	7.67	83	196932	48.255	ug/l	99
31) Cyclohexane	7.95	56	213530	45.547	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	149577	48.182	ug/l	99
36) 1,1-Dichloropropene	8.08	75	162099	48.238	ug/l	100
37) Ethyl Acetate	7.24	43	96846	47.967	ug/l	99
38) Carbon Tetrachloride	8.06	117	137986	48.438	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	195529	48.006	ug/l	97
40) Benzene	8.32	78	452633	48.739	ug/l	98
41) Methacrylonitrile	7.48	41	54853	47.502	ug/l	97
42) 1,2-Dichloroethane	8.40	62	144756	48.050	ug/l	100
43) Isopropyl Acetate	8.42	43	178886	46.928	ug/l	100
44) Trichloroethene	9.09	130	109021	48.783	ug/l	98
45) 1,2-Dichloropropane	9.37	63	122672	48.779	ug/l	98
46) Dibromomethane	9.46	93	57085	48.322	ug/l	98
47) Bromodichloromethane	9.64	83	148720	49.201	ug/l	100
48) Methyl methacrylate	9.43	41	86785	47.323	ug/l	99
49) 1,4-Dioxane	9.44	88	17172	870.840	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	474794	238.442	ug/l	100
52) Toluene	10.38	92	277269	49.217	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	155457	48.317	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	185180	48.897	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	80487	48.025	ug/l	97
56) Ethyl methacrylate	10.65	69	121225	47.510	ug/l	99
57) 1,3-Dichloropropane	10.93	76	153165	48.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	240217	203.073	ug/l	100
59) 2-Hexanone	10.97	43	352283	255.107	ug/l	99
60) Dibromochloromethane	11.13	129	89620	48.765	ug/l	98
61) 1,2-Dibromoethane	11.23	107	76599	48.251	ug/l	98
64) Tetrachloroethene	10.86	164	87678	46.895	ug/l	99
65) Chlorobenzene	11.66	112	278691	49.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	97810	49.312	ug/l	98
67) Ethyl Benzene	11.73	91	535126	49.621	ug/l	99
68) m/p-Xylenes	11.84	106	391145	100.237	ug/l	99
69) o-Xylene	12.16	106	180936	49.196	ug/l	100
70) Styrene	12.18	104	317433	50.010	ug/l	99
71) Bromoform	12.35	173	49436	46.877	ug/l #	99
73) Isopropylbenzene	12.46	105	500805	49.264	ug/l	100
74) N-amyl acetate	12.27	43	165854	46.845	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	98210	47.130	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	68003m	43.272	ug/l	
77) Bromobenzene	12.75	156	110600	48.480	ug/l	99
78) n-propylbenzene	12.80	91	620413	49.543	ug/l	100
79) 2-Chlorotoluene	12.89	91	353342	49.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	425206	49.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	30925	44.509	ug/l	98
82) 4-Chlorotoluene	12.99	91	367086	48.908	ug/l	100
83) tert-Butylbenzene	13.21	119	356786	49.536	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	429862	49.570	ug/l	99
85) sec-Butylbenzene	13.38	105	511874	49.252	ug/l	100
86) p-Isopropyltoluene	13.50	119	464041	49.781	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	217065	49.453	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	214455	48.520	ug/l	99
89) n-Butylbenzene	13.82	91	467661	50.291	ug/l	99
90) Hexachloroethane	14.10	117	81255	47.702	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	193012	48.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16382	44.321	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	135049	49.239	ug/l	99
94) Hexachlorobutadiene	15.24	225	81266	48.261	ug/l	99
95) Naphthalene	15.37	128	251059	47.767	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	119509	49.371	ug/l	99

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

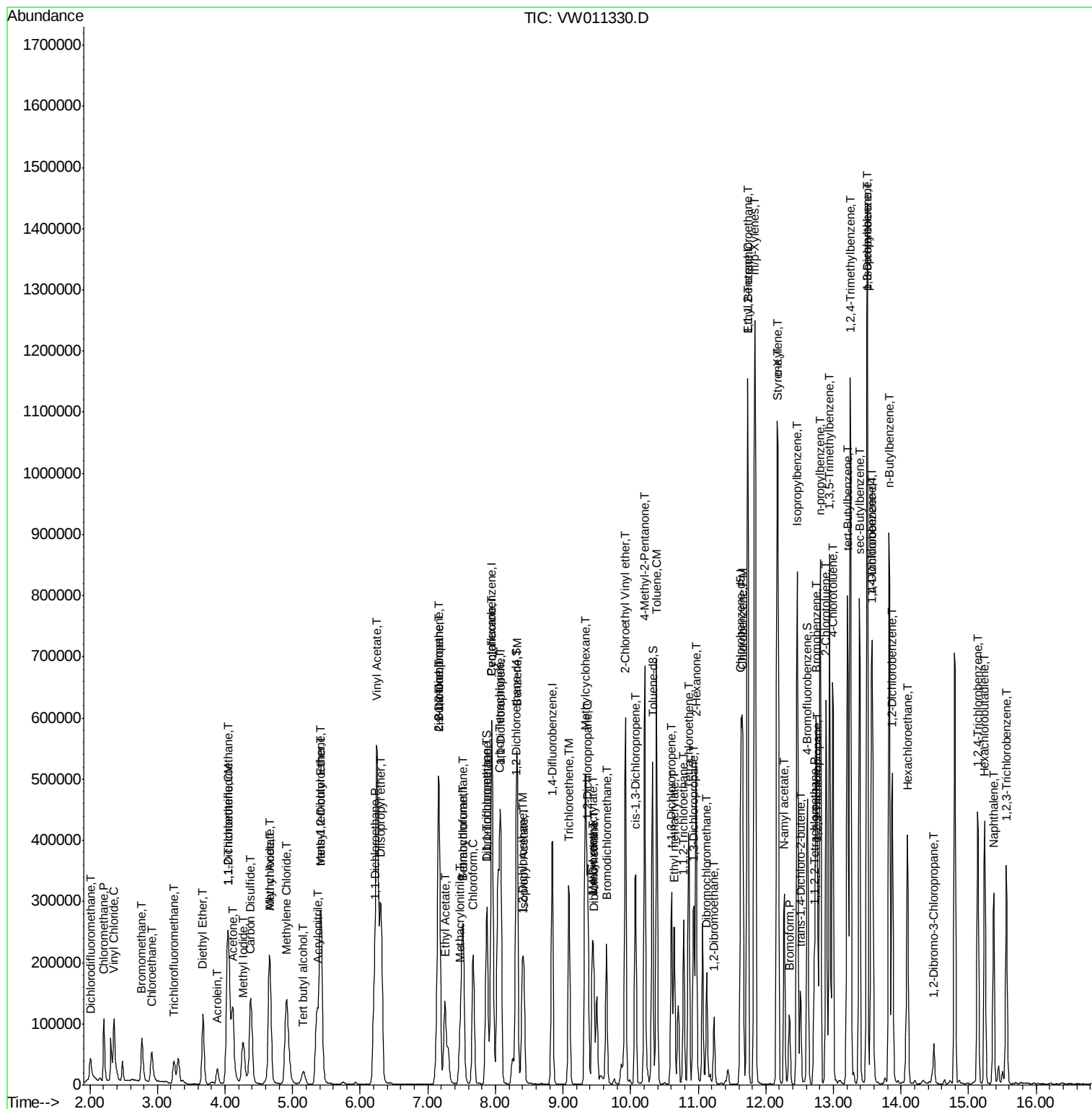
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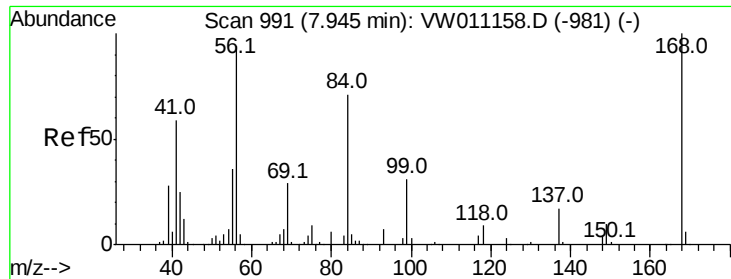
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 192604

Ion Ratio Lower Upper

168 100

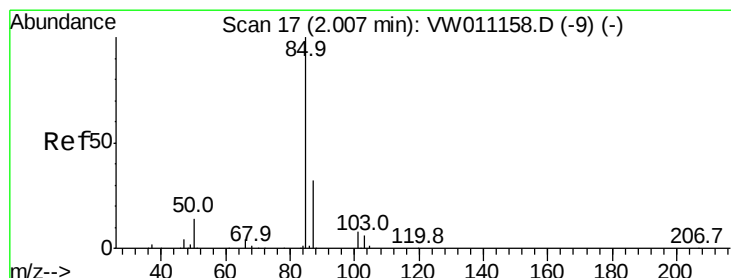
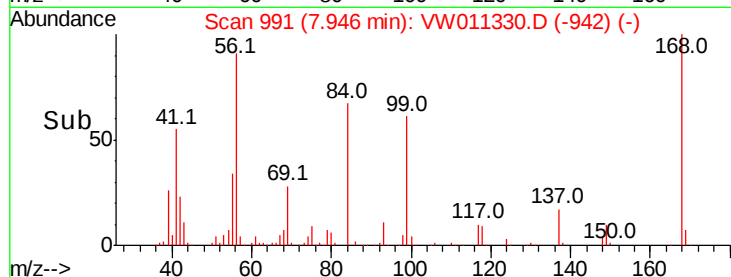
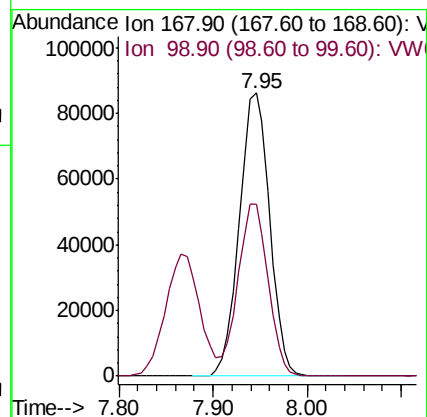
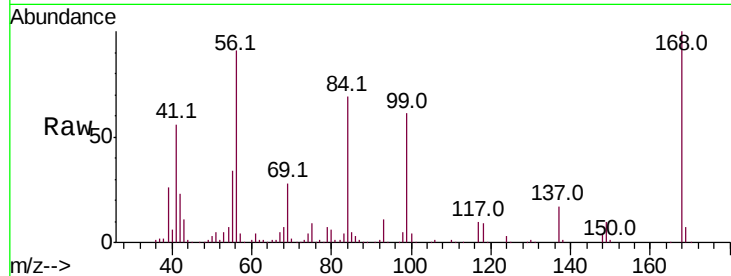
99 60.7 50.1 75.1

Manual Integrations

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7/19/2019 9:53:50 AM



#2

Dichlorodifluoromethane

Concen: 44.146 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011330.D

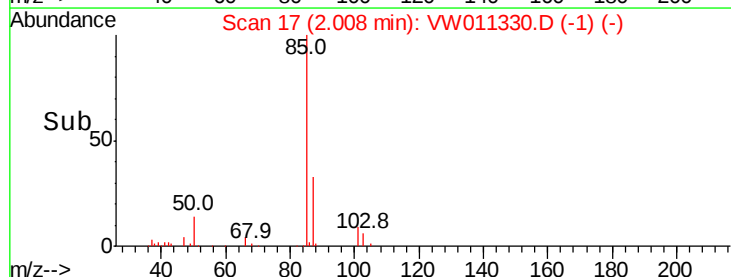
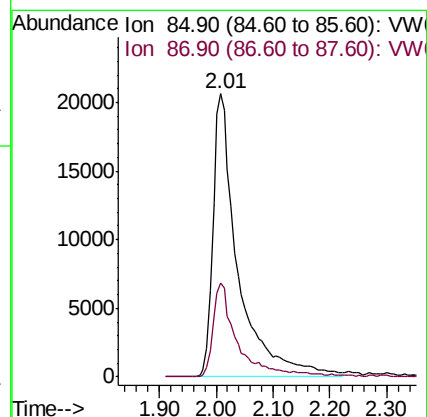
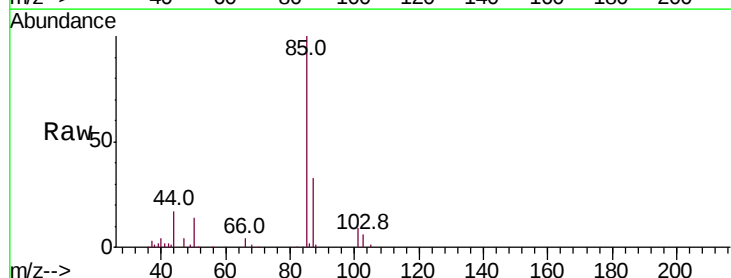
Acq: 18 Jul 2019 10:48

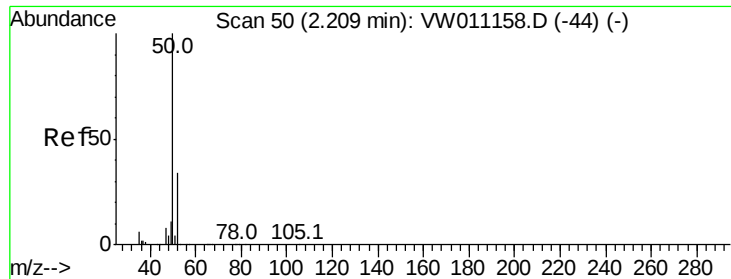
Tgt Ion: 85 Resp: 63413

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.6





#3

Chloromethane

Concen: 46.740 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 86513

Ion Ratio Lower Upper

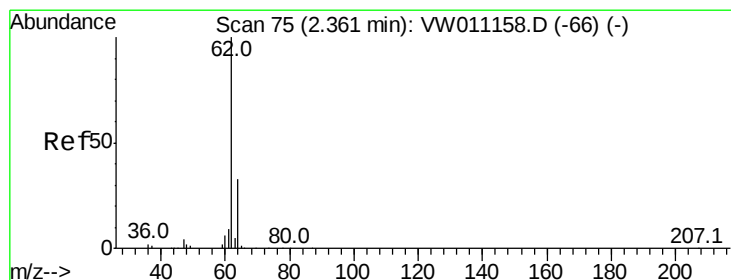
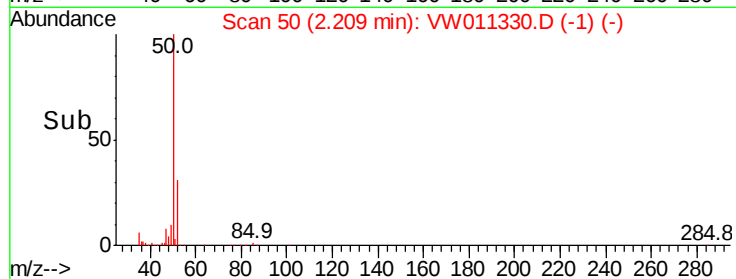
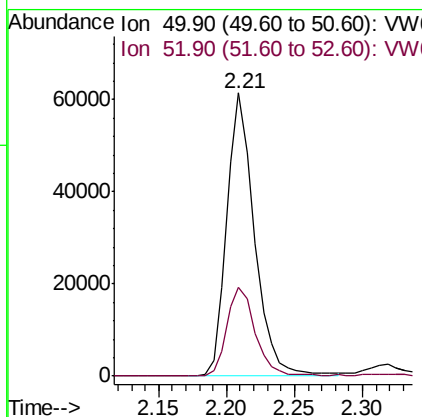
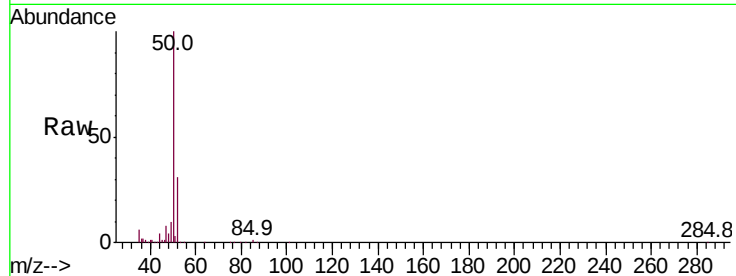
50 100

52 31.2 26.9 40.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.861 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011330.D

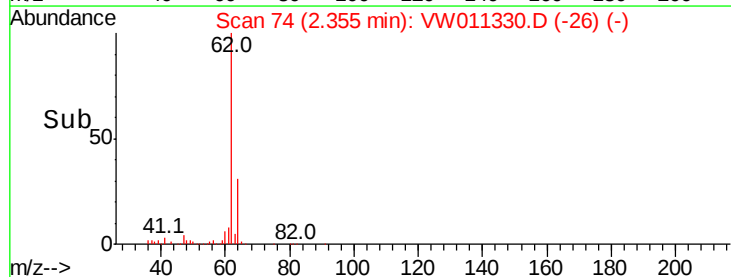
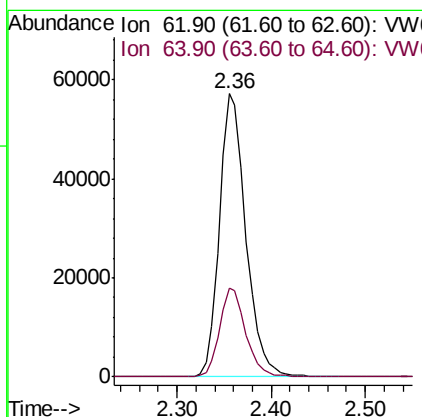
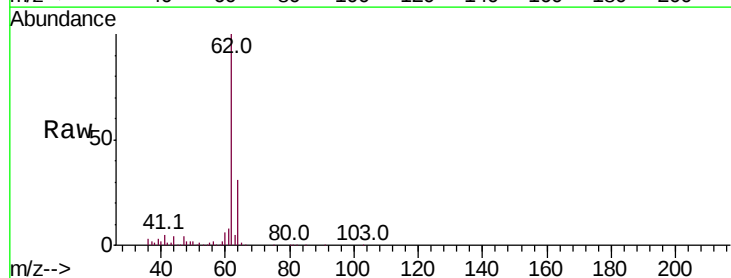
Acq: 18 Jul 2019 10:48

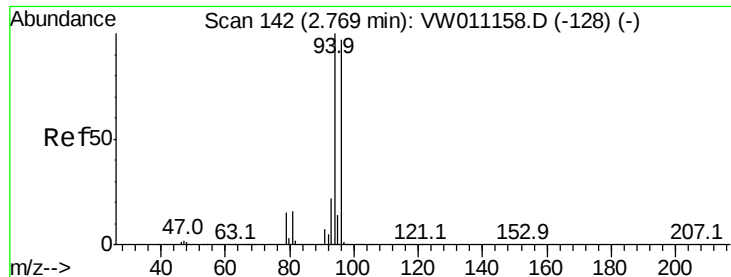
Tgt Ion: 62 Resp: 111105

Ion Ratio Lower Upper

62 100

64 31.3 26.6 40.0





#5

Bromomethane

Concen: 48.509 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 59053

Ion Ratio Lower Upper

94 100

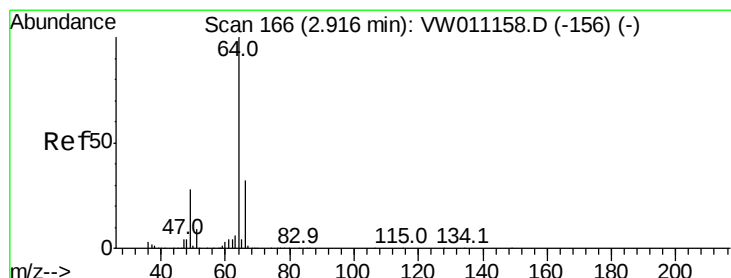
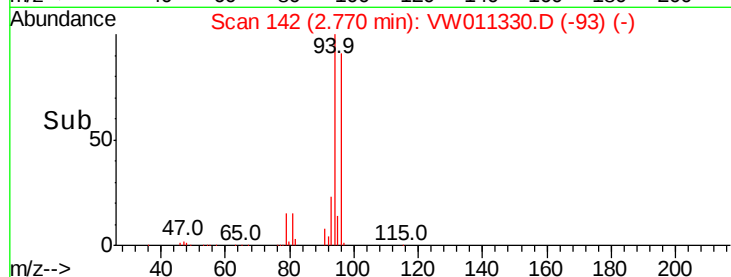
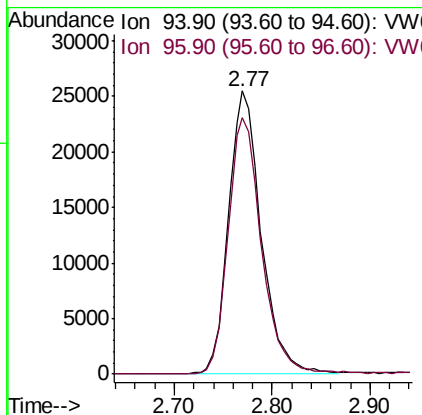
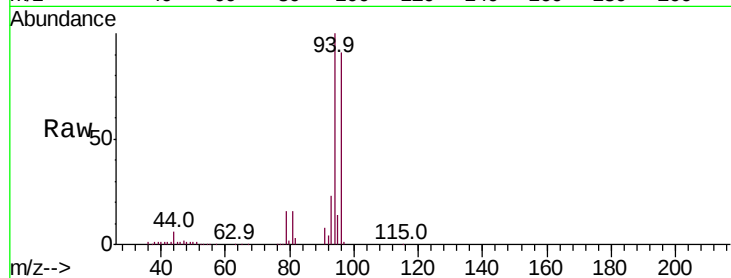
96 90.4 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 48.423 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011330.D

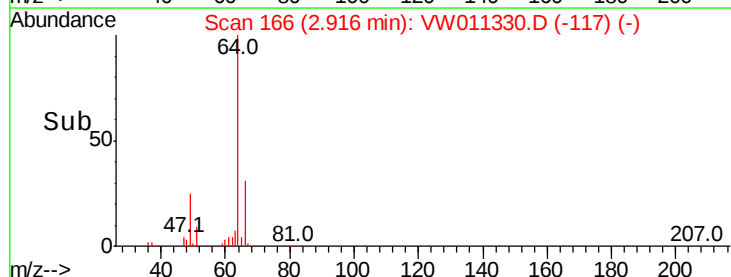
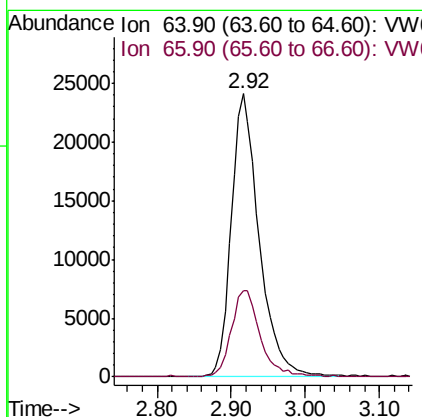
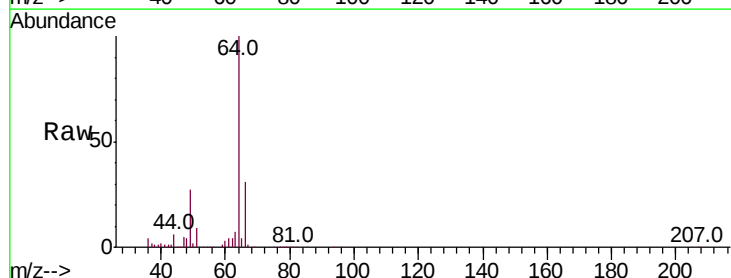
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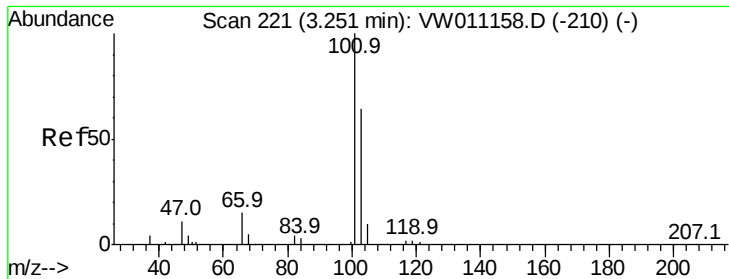
Tgt Ion: 64 Resp: 63187

Ion Ratio Lower Upper

64 100

66 30.4 25.8 38.8





#7

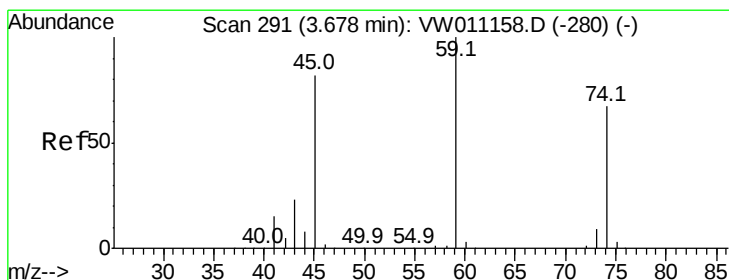
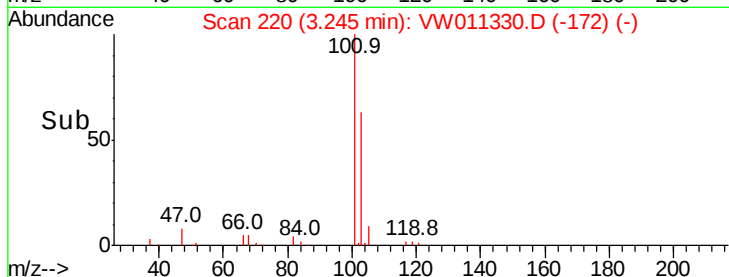
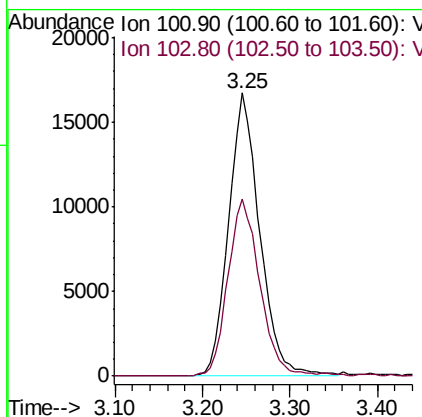
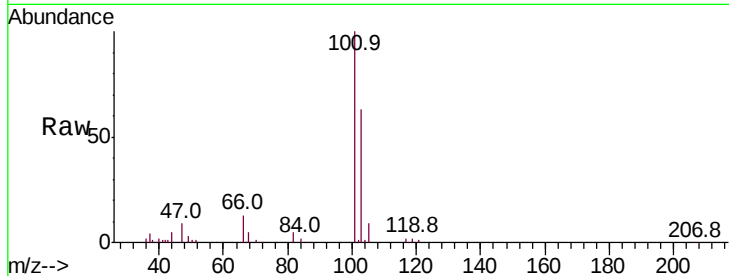
Trichlorofluoromethane
Concen: 48.261 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.3	76.9

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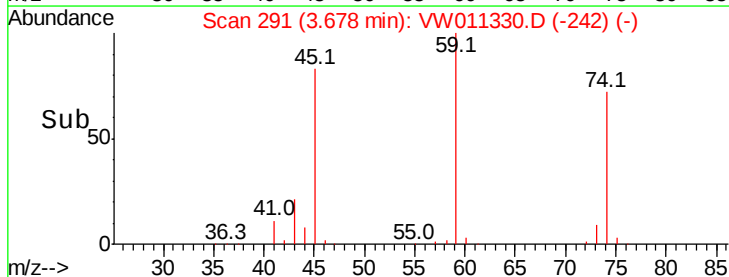
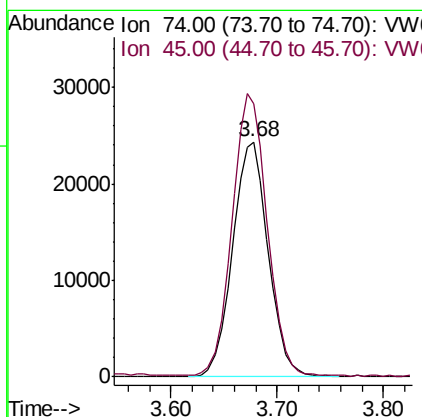
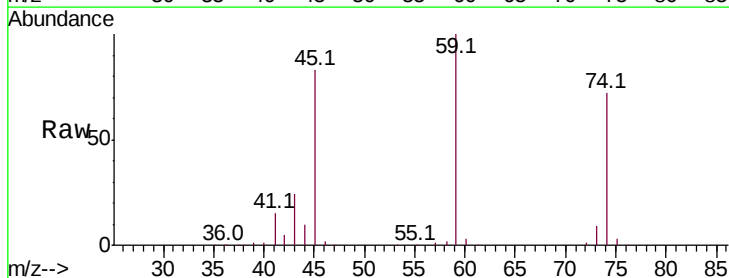
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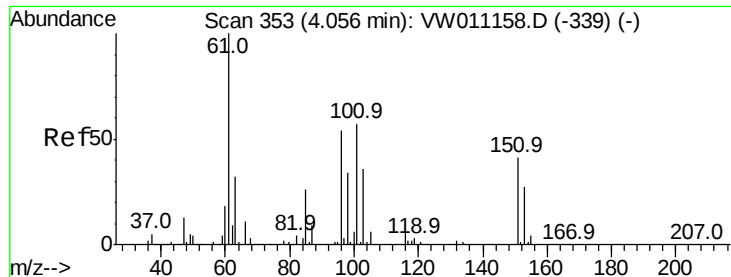


#8

Diethyl Ether
Concen: 47.809 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.4	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.720 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

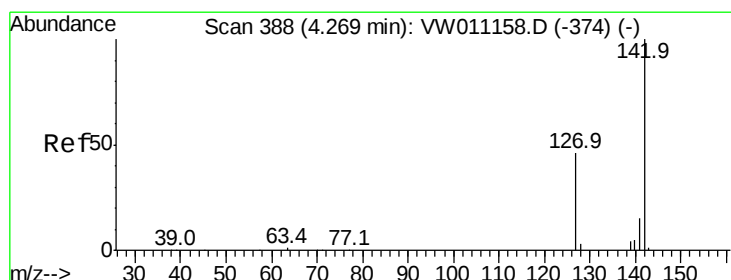
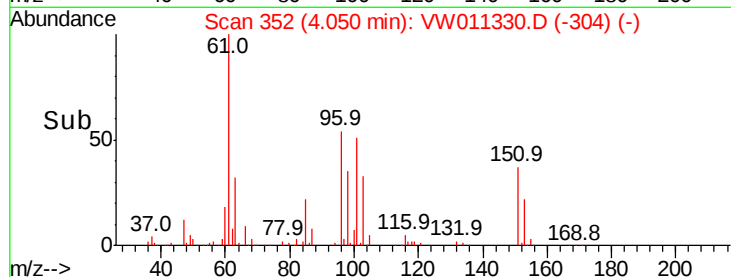
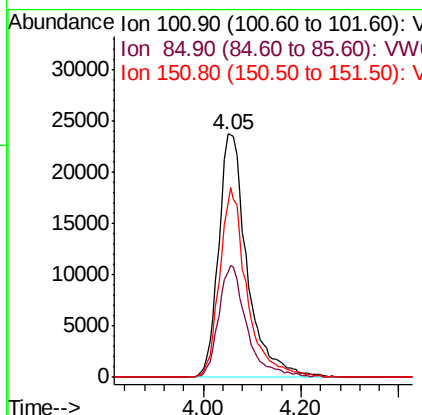
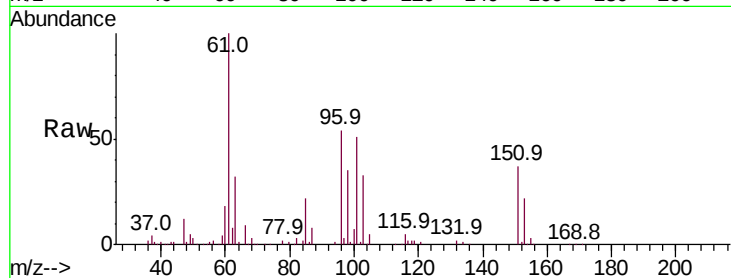
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	96312
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.5	54.7
151	74.2	59.1	88.7

Manual Integrations
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7/19/2019 9:53:50 AM



#10

Methyl Iodide

Concen: 48.688 ug/l

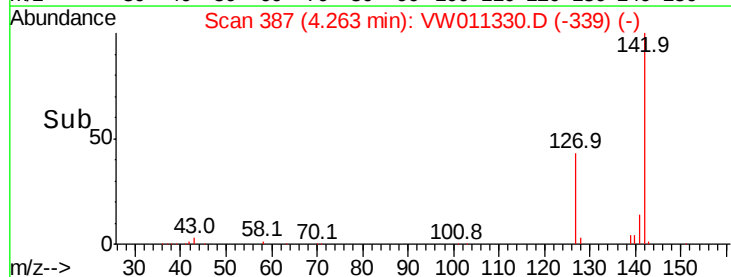
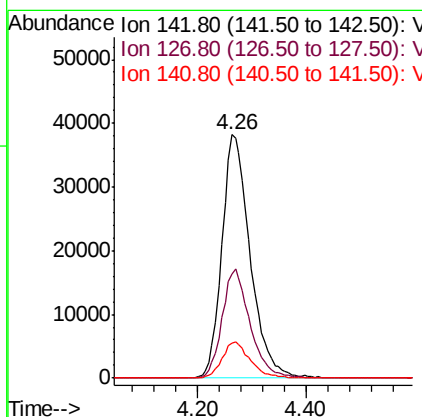
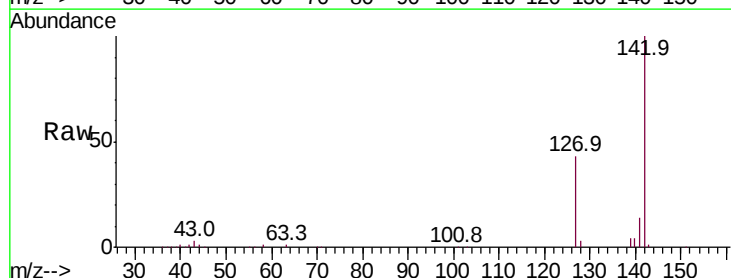
RT: 4.26 min Scan# 387

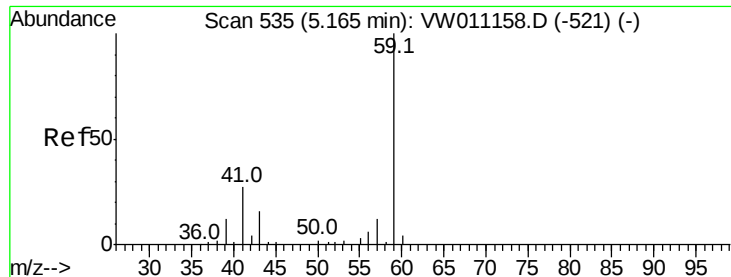
Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion:	142	Resp:	138047
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	14.7	11.5	17.3





#11

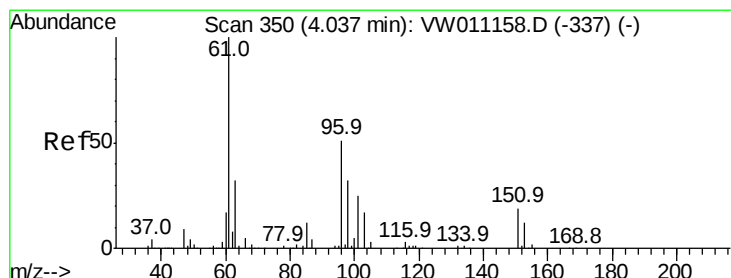
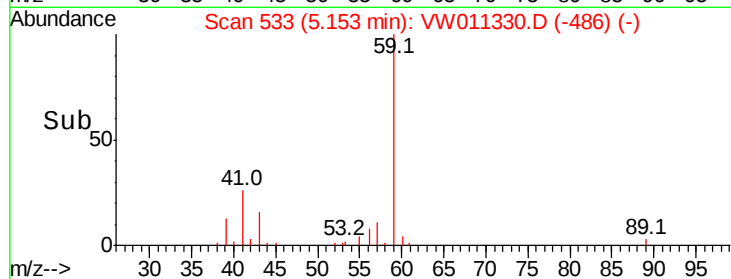
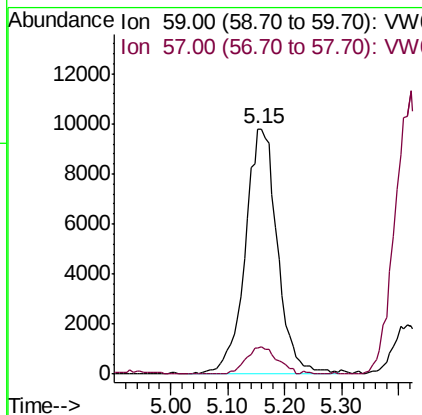
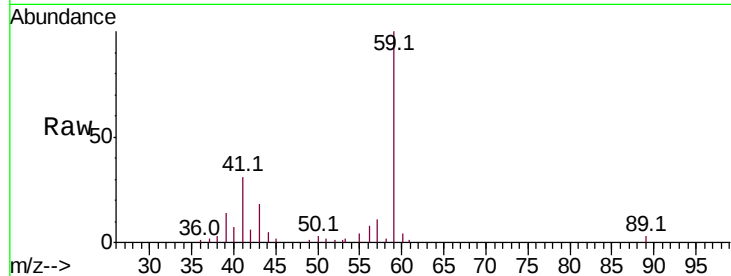
Tert butyl alcohol
Concen: 215.042 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.6

Manual Integrations
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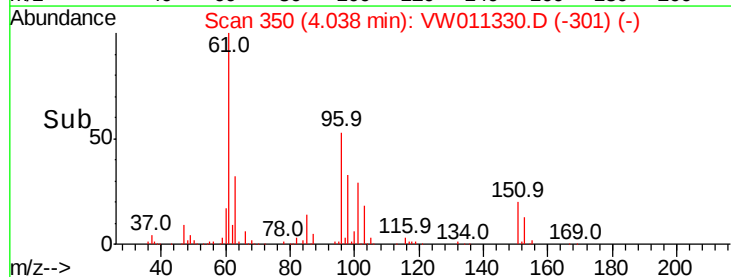
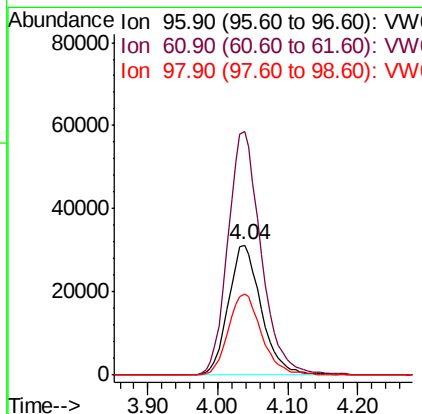
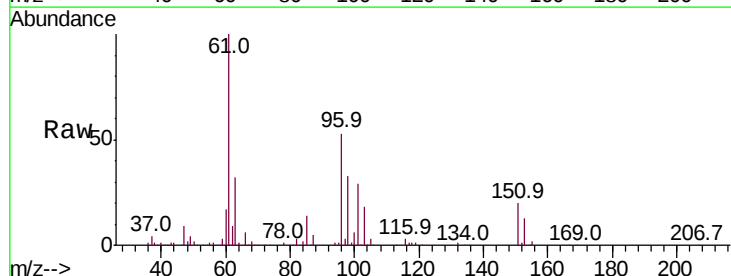
MMDadoda
7/19/2019 9:53:50 AM

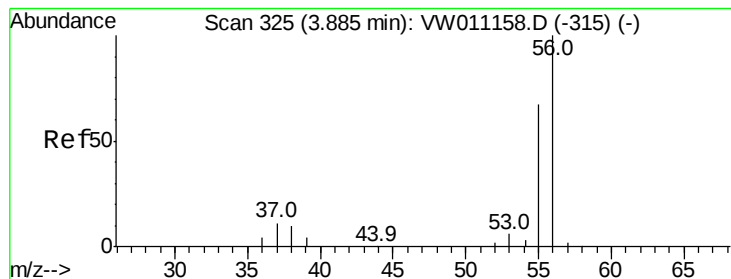


#12

1,1-Dichloroethene
Concen: 47.893 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.3	157.7	236.5
98	62.0	50.9	76.3





#13

Acrolein

Concen: 225.772 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 32213

Ion Ratio Lower Upper

56 100

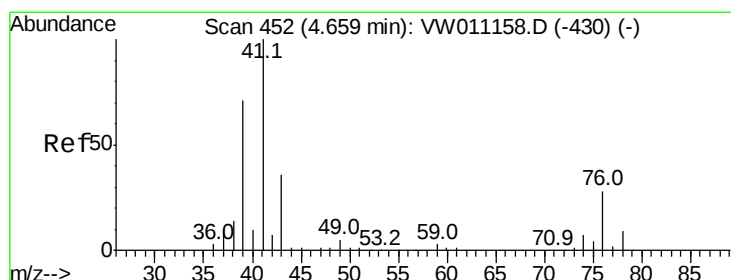
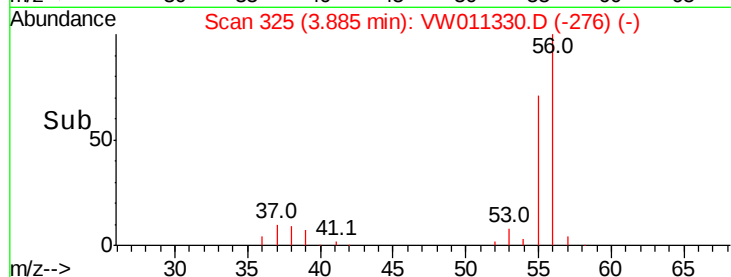
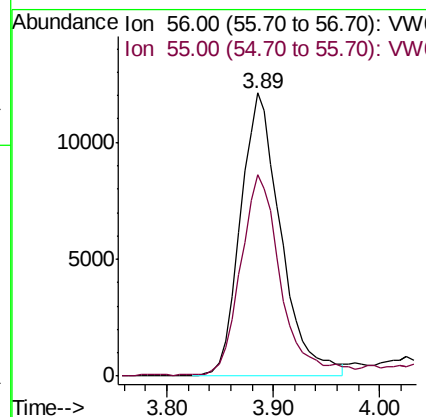
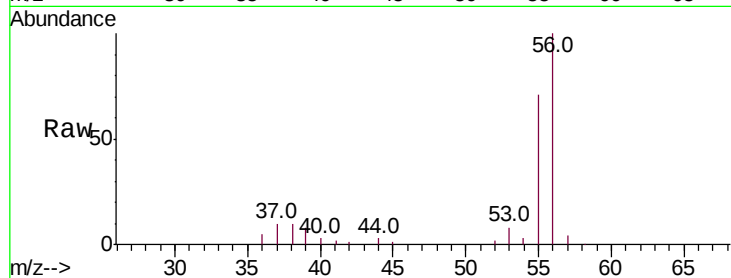
55 71.5 56.4 84.6

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 51.435 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

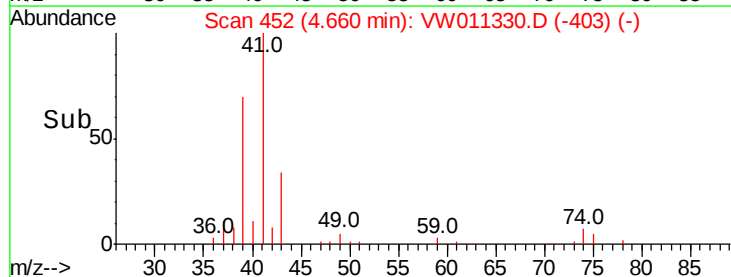
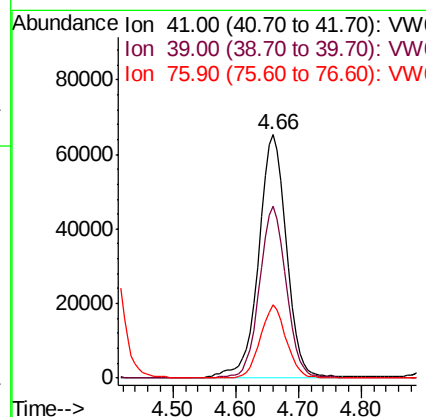
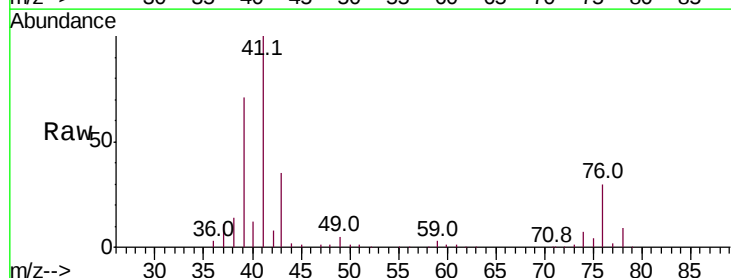
Tgt Ion: 41 Resp: 200684

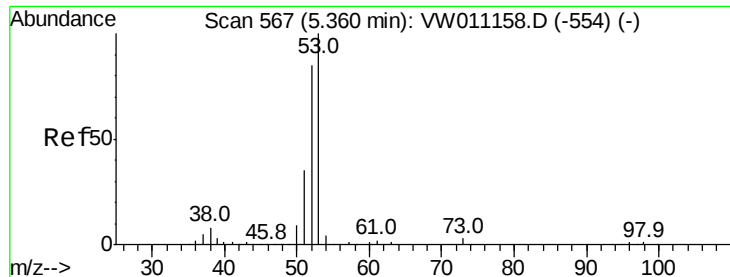
Ion Ratio Lower Upper

41 100

39 67.9 55.1 82.7

76 28.0 22.5 33.7





#15

Acrylonitrile

Concen: 239.825 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

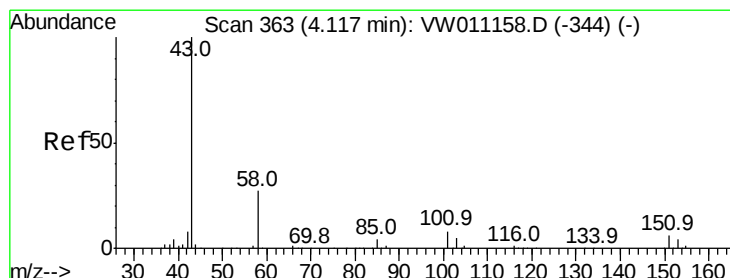
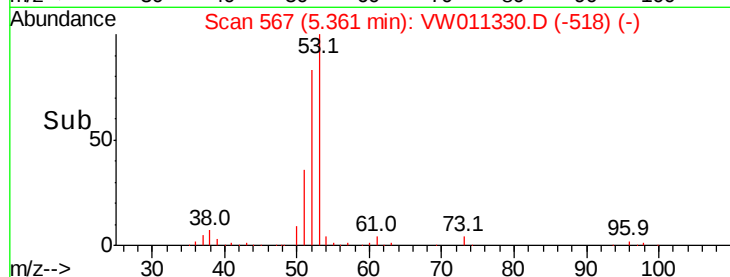
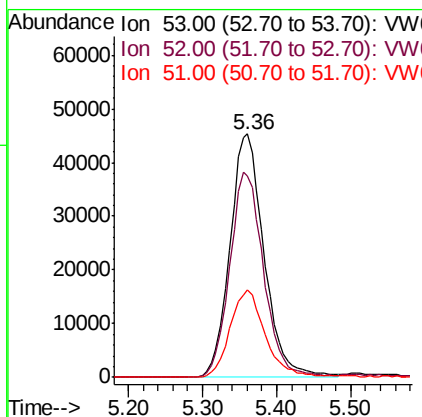
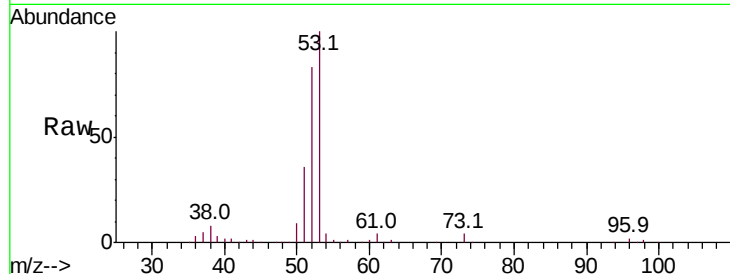
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	145448
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.4
51	37.3	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 317.059 ug/l

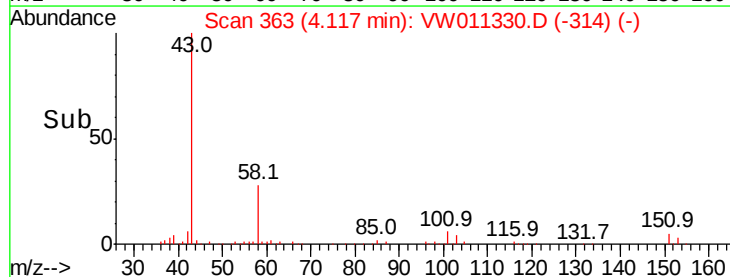
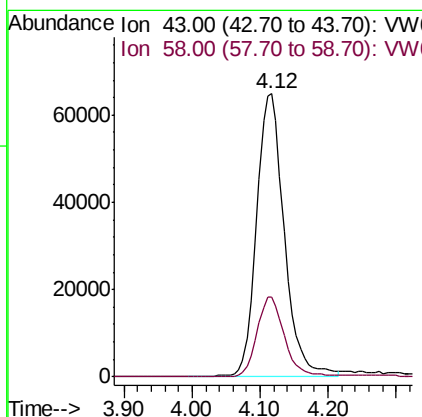
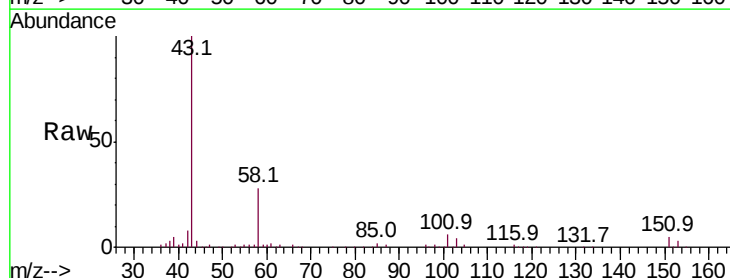
RT: 4.12 min Scan# 363

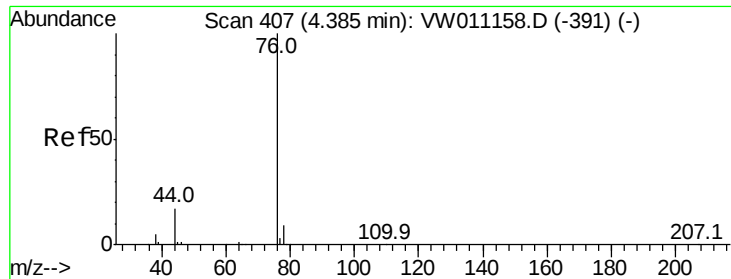
Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion:	43	Resp:	184628
Ion	Ratio	Lower	Upper
43	100		
58	28.0	21.8	32.6





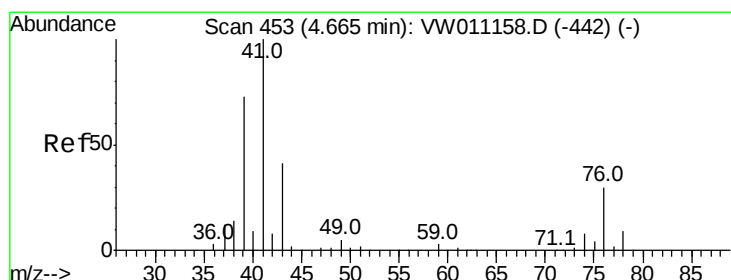
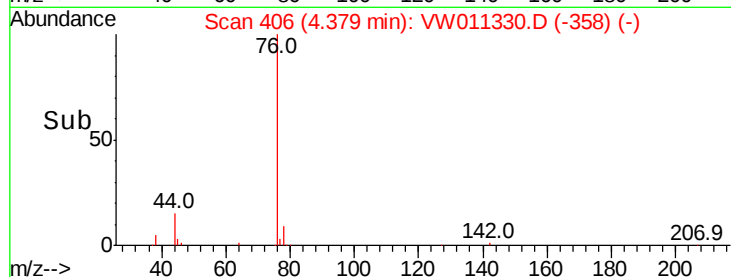
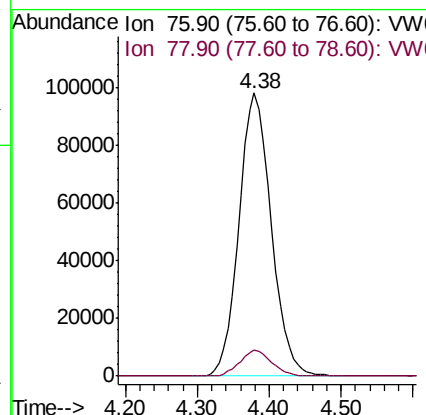
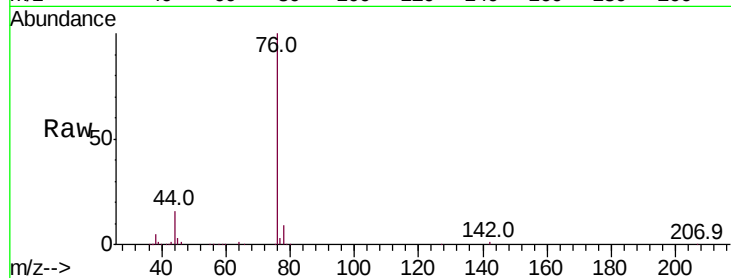
#17
Carbon Disulfide
Concen: 47.190 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

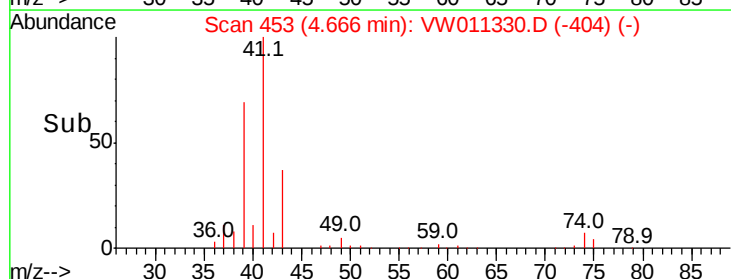
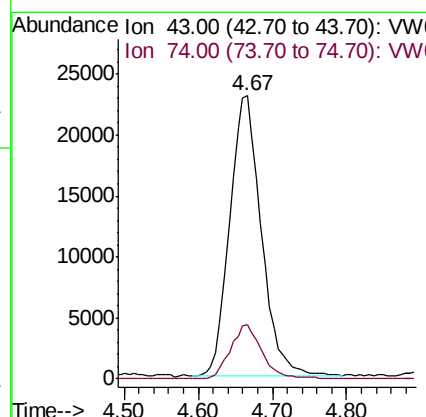
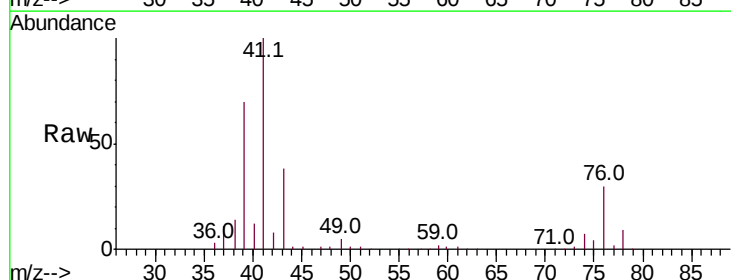
Manual Integrations
APPROVED

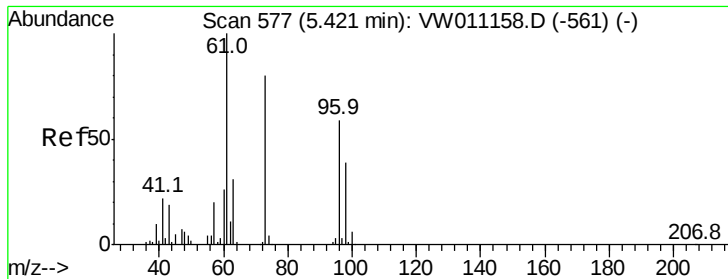
MMDadoda
7/19/2019 9:53:50 AM



#18
Methyl Acetate
Concen: 41.037 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	15.7	23.5





#19

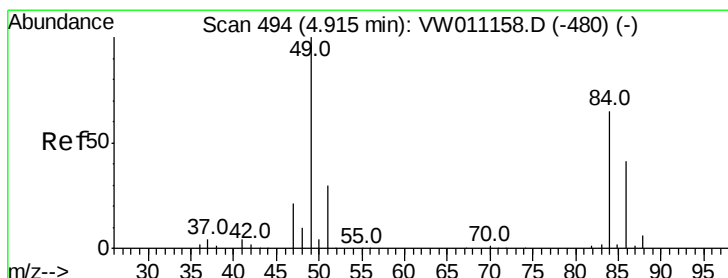
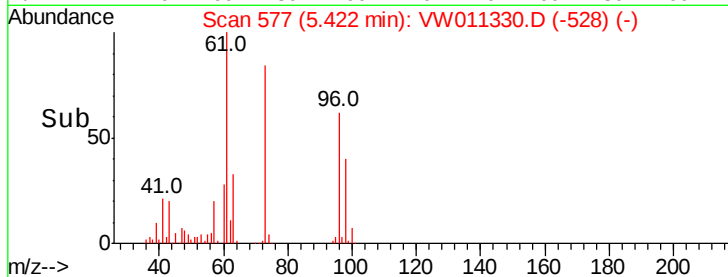
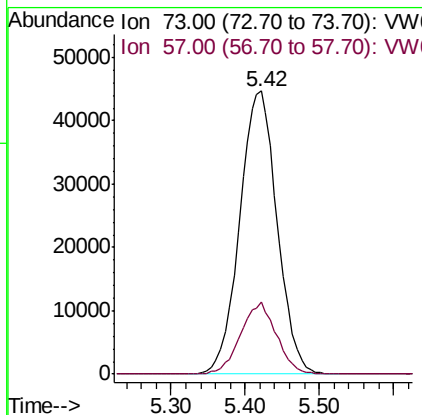
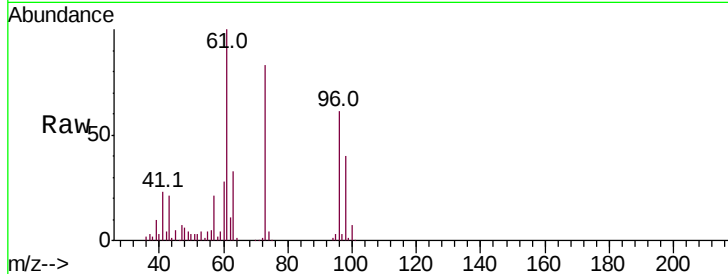
Methyl tert-butyl Ether
 Concen: 48.366 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 157023
 Ion Ratio Lower Upper
 73 100
 57 25.3 19.7 29.5

Manual Integrations
 APPROVED

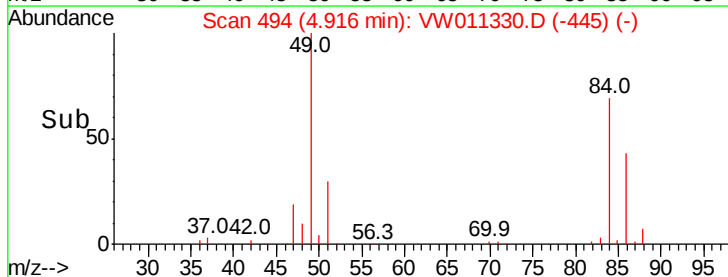
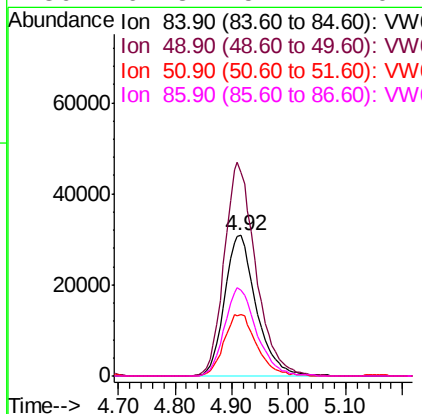
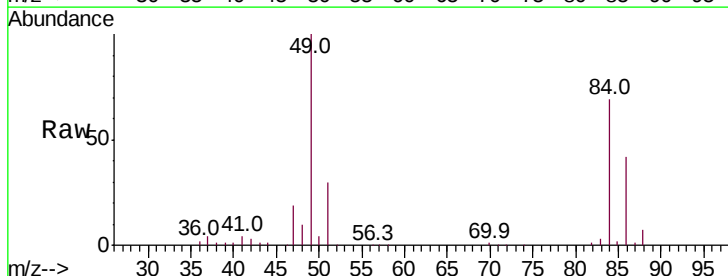
MMDadoda
 7/19/2019 9:53:50 AM

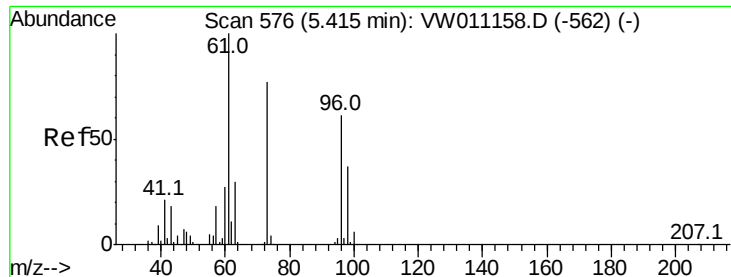


#20

Methylene Chloride
 Concen: 52.116 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion: 84 Resp: 119720
 Ion Ratio Lower Upper
 84 100
 49 144.8 123.8 185.6
 51 44.1 37.4 56.2
 86 61.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.362 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

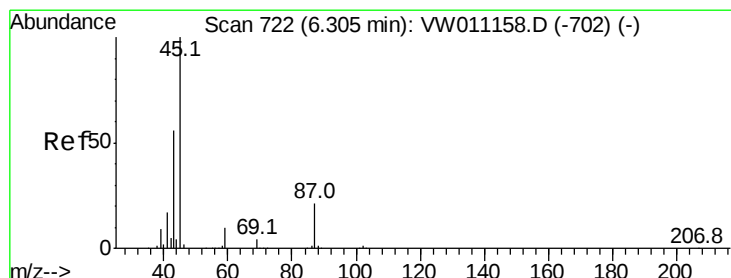
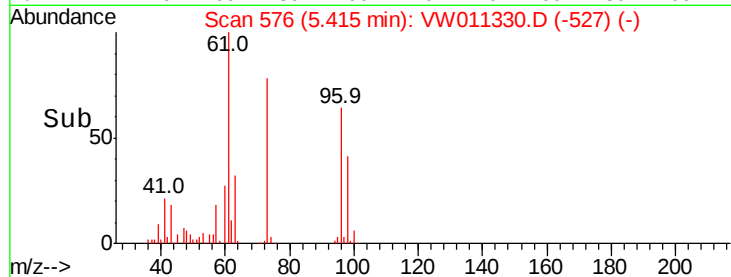
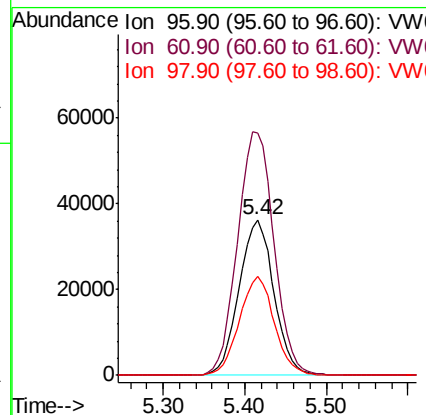
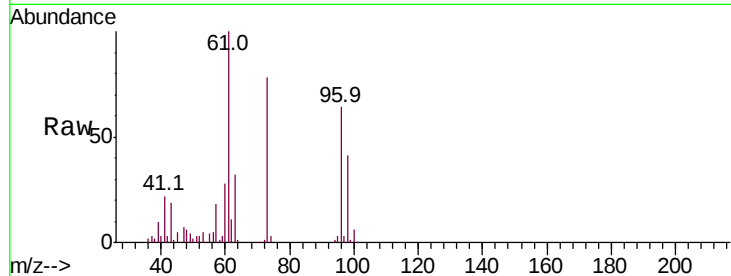
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	107523
Ion	Ratio	Lower	Upper
96	100		
61	156.2	132.2	198.2
98	64.1	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.293 ug/l

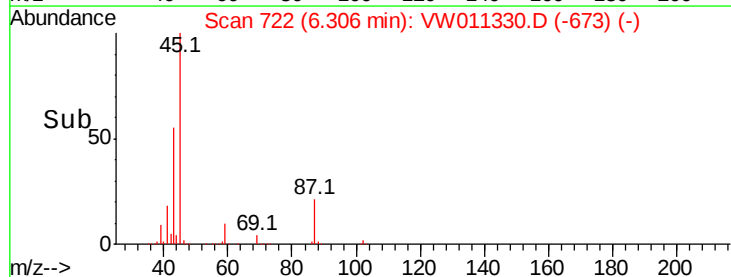
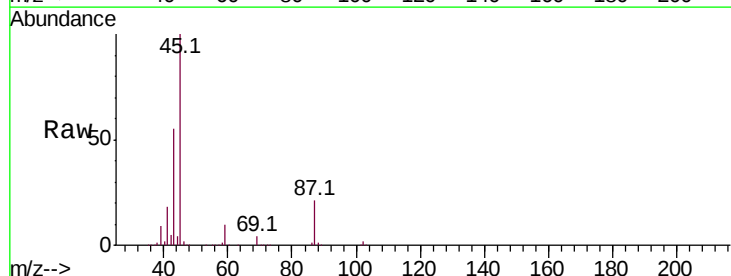
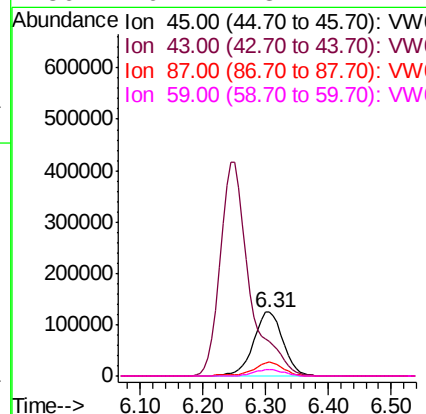
RT: 6.31 min Scan# 722

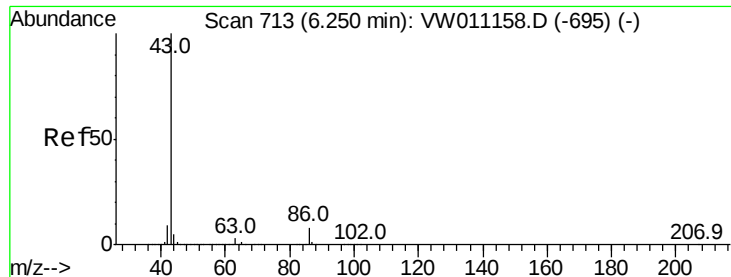
Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion:	45	Resp:	405268
Ion	Ratio	Lower	Upper
45	100		
43	54.3	44.6	66.8
87	21.4	17.3	25.9
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 259.630 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1348386

Ion Ratio Lower Upper

43 100

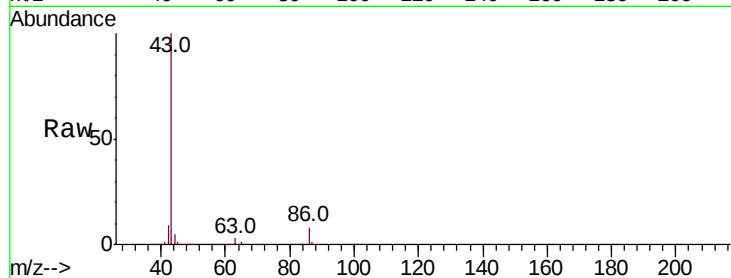
86 8.2 6.5 9.7

Manual Integrations

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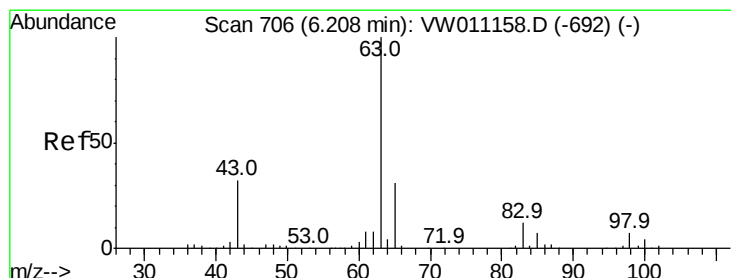
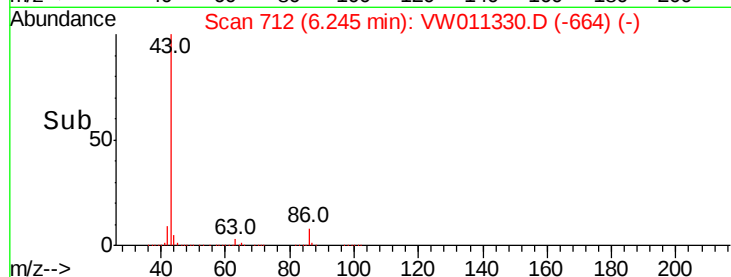
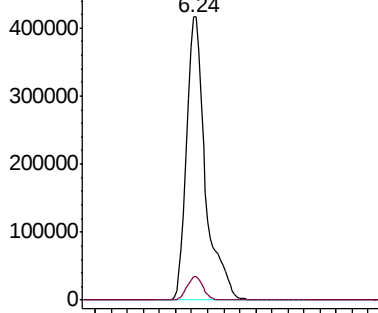
MMDadoda

7/19/2019 9:53:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.863 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

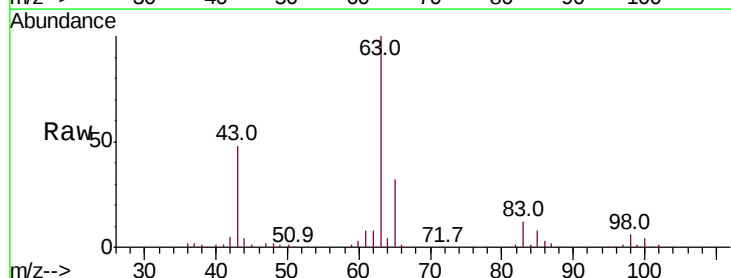
Tgt Ion: 63 Resp: 215323

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

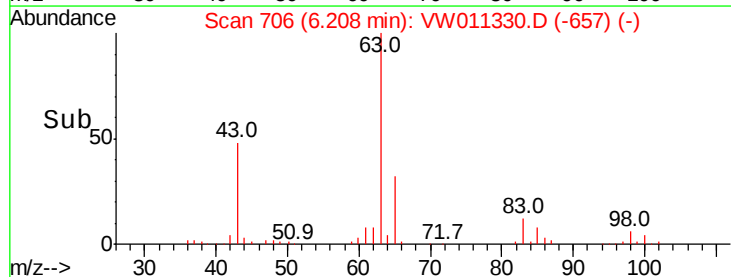
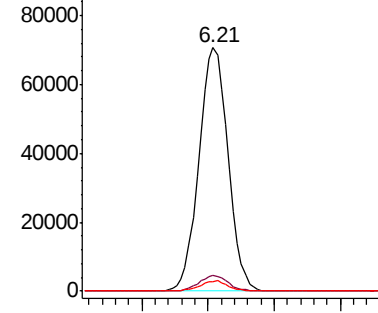
100 4.0 2.1 6.2

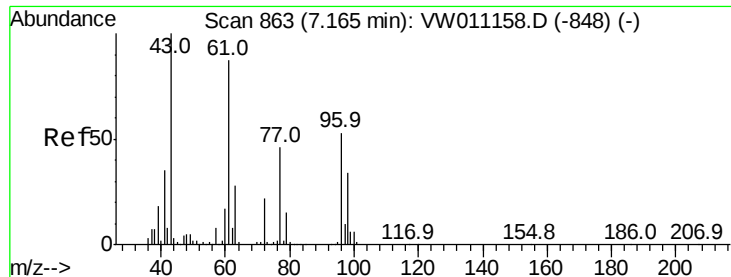


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 268.782 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 245688

Ion Ratio Lower Upper

43 100

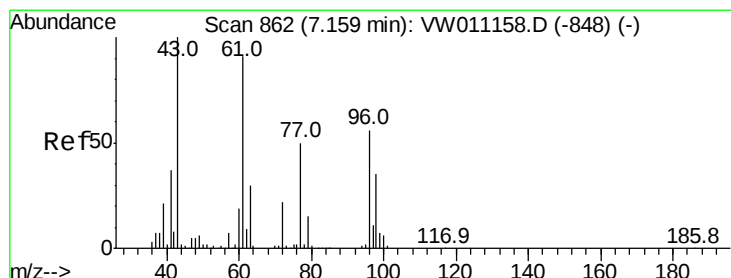
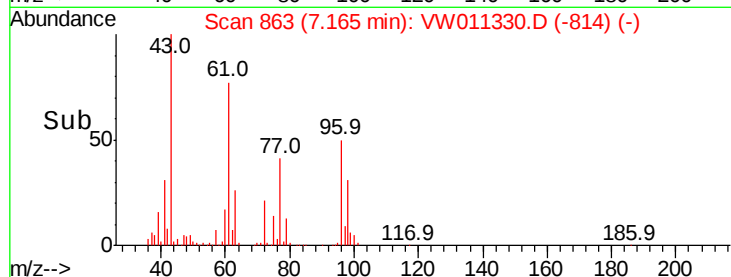
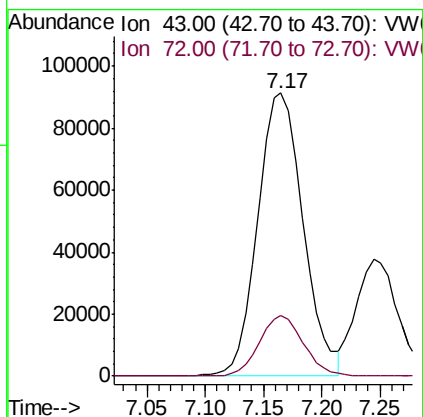
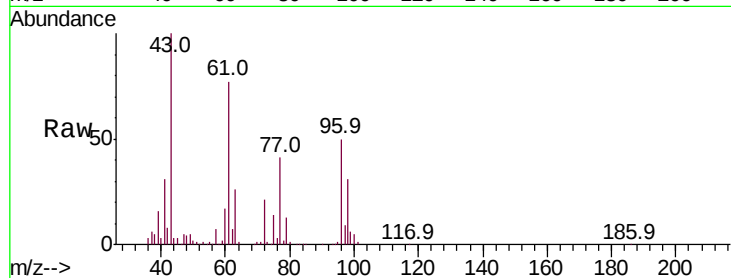
72 21.4 17.6 26.4

Manual Integrations

APPROVED

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7/19/2019 9:53:50 AM



#26

2,2-Dichloropropane

Concen: 50.752 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011330.D

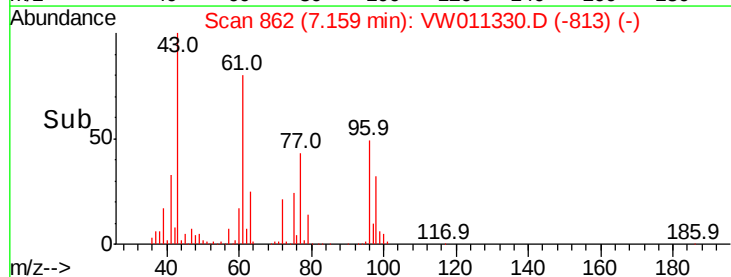
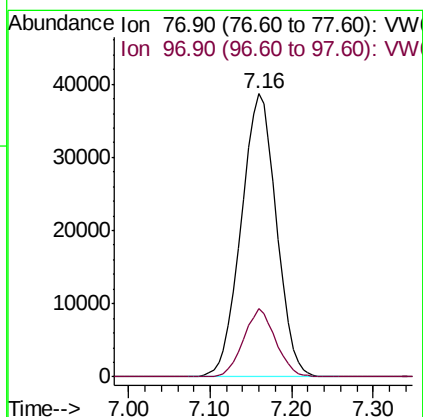
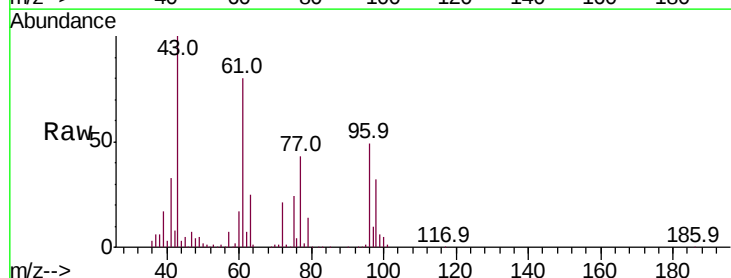
Acq: 18 Jul 2019 10:48

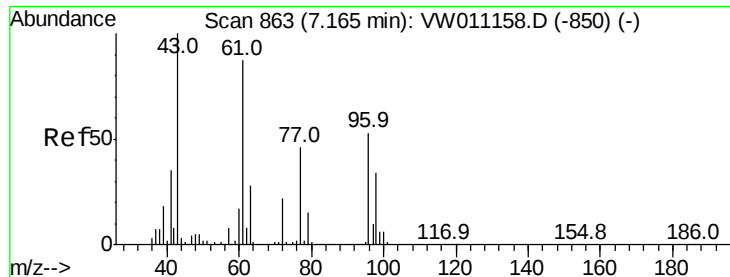
Tgt Ion: 77 Resp: 116255

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.5





#27

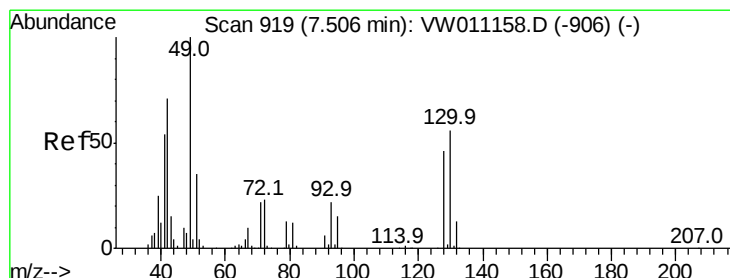
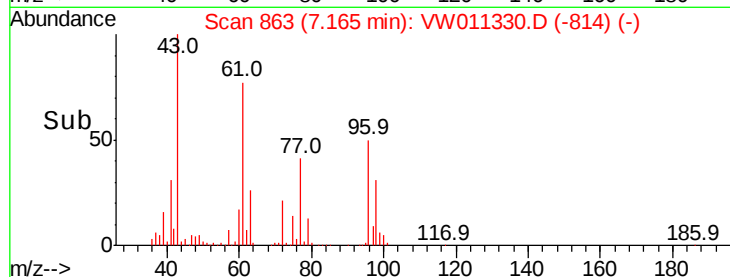
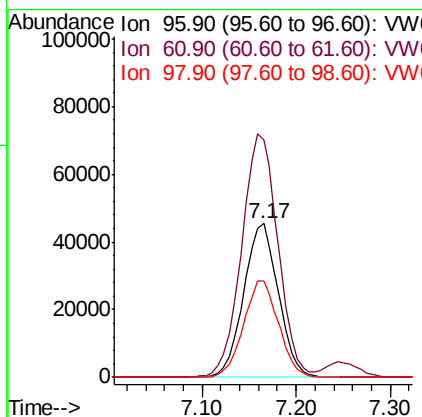
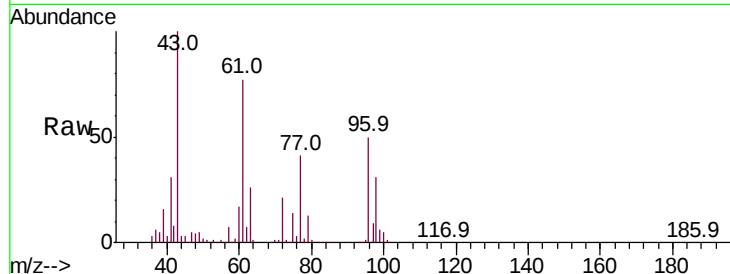
cis-1,2-Dichloroethene
Concen: 48.830 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.5	0.0	325.6
98	63.8	0.0	128.2

Manual Integrations
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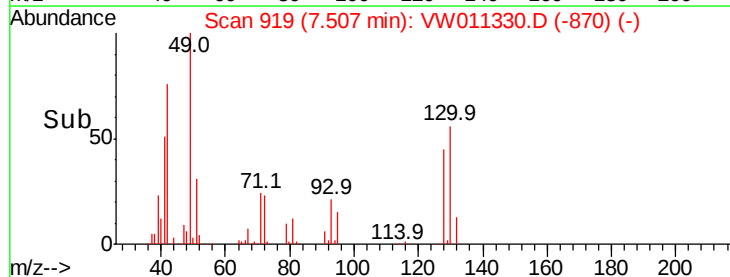
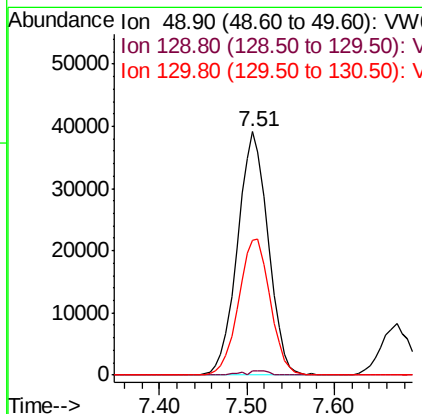
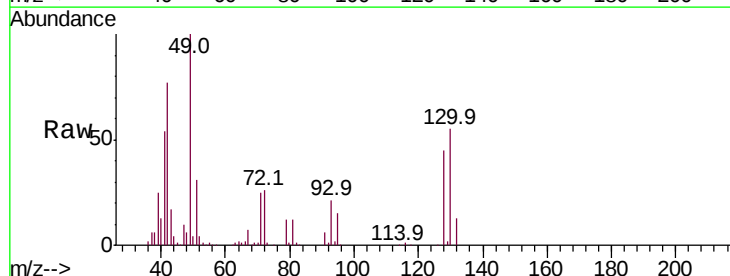
MMDadoda
7/19/2019 9:53:50 AM

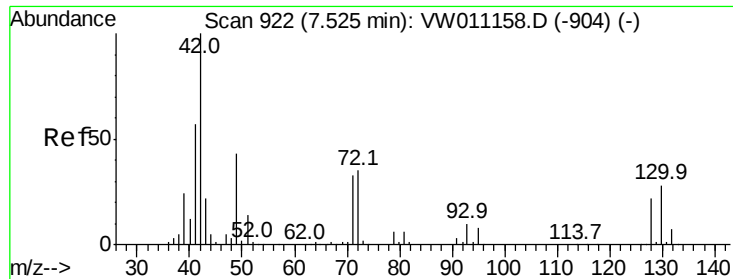


#28

Bromochloromethane
Concen: 47.605 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	57.6	45.8	68.8





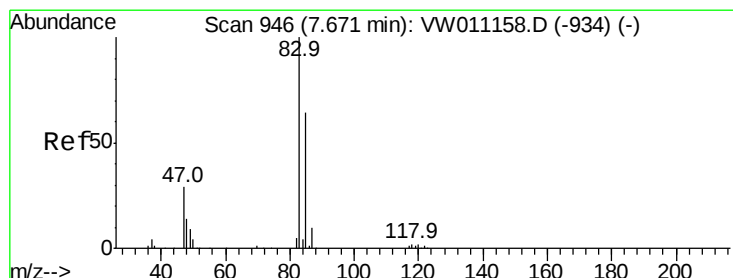
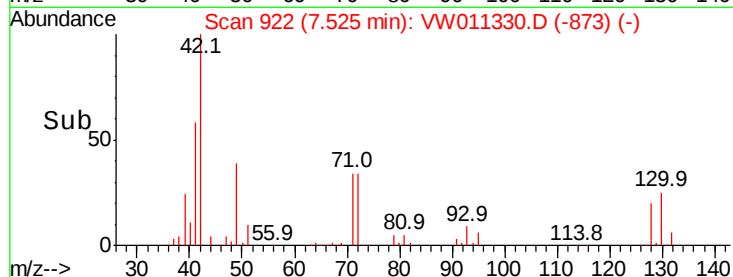
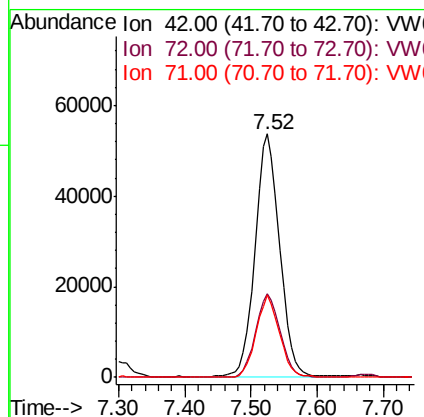
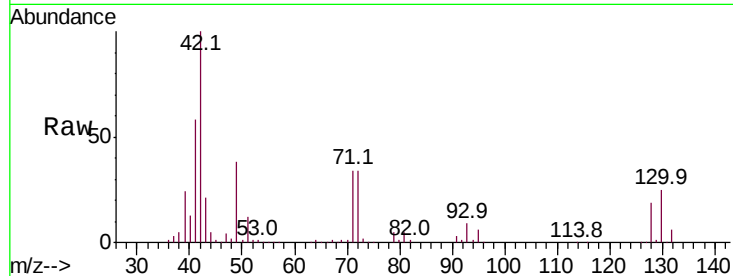
#29
Tetrahydrofuran
Concen: 232.186 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	139165
Ion Ratio		Lower	Upper
42	100		
72	34.3	27.4	41.2
71	32.0	25.9	38.9

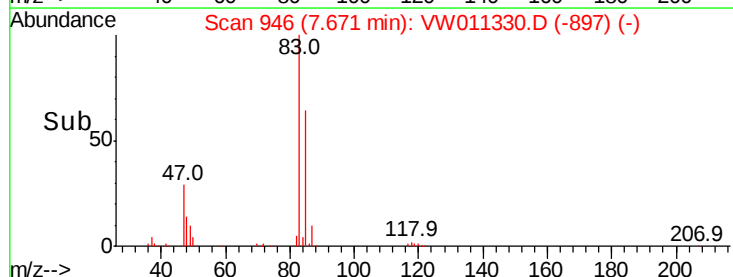
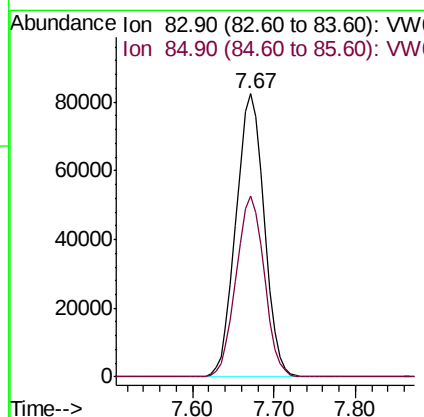
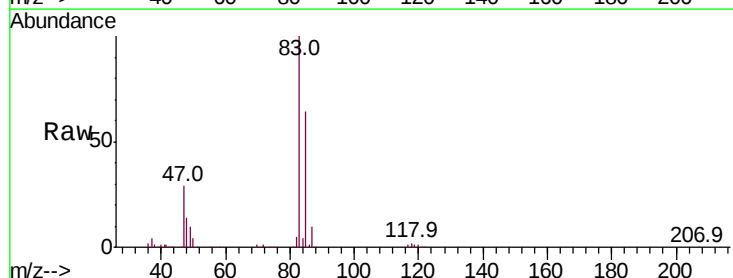
Manual Integrations
APPROVED

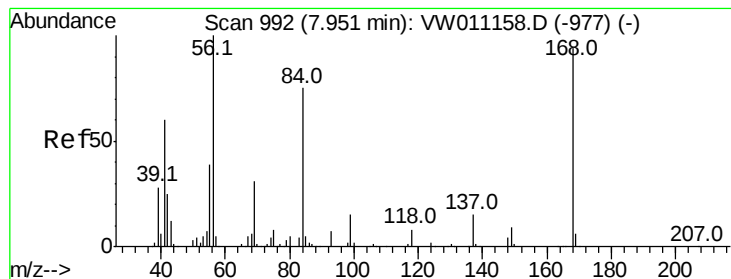
MMDadoda
7/19/2019 9:53:50 AM



#30
Chloroform
Concen: 48.255 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion:	83	Resp:	196932
Ion Ratio		Lower	Upper
83	100		
85	63.8	51.4	77.2





#31

Cvclohexane

Concen: 45.547 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

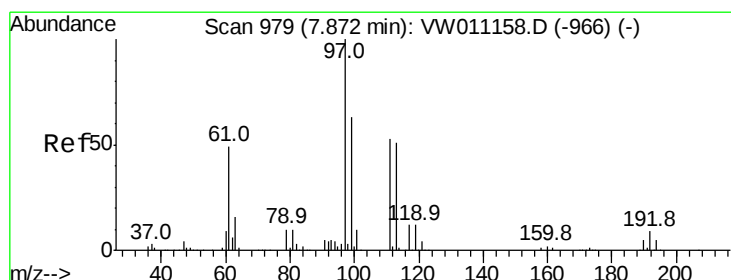
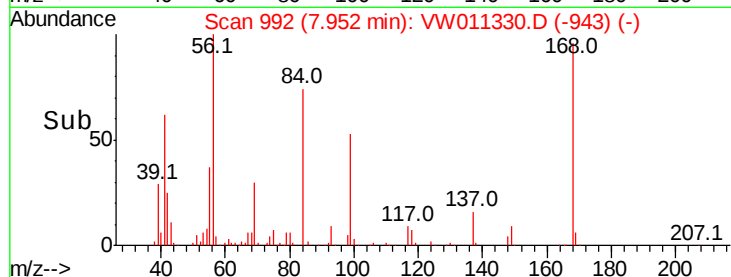
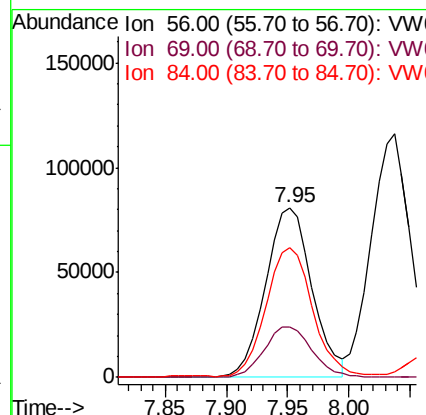
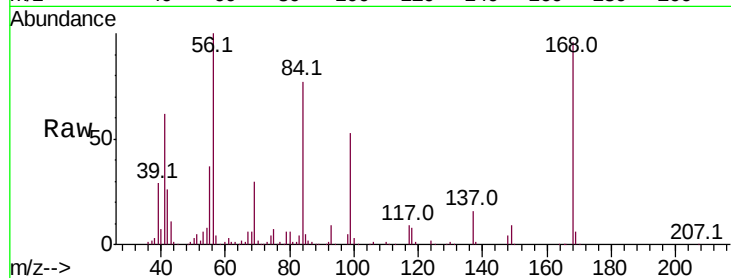
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	213530
Ion Ratio	Lower	Upper	
56	100		
69	29.9	24.6	36.8
84	75.6	60.1	90.1

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 48.182 ug/l

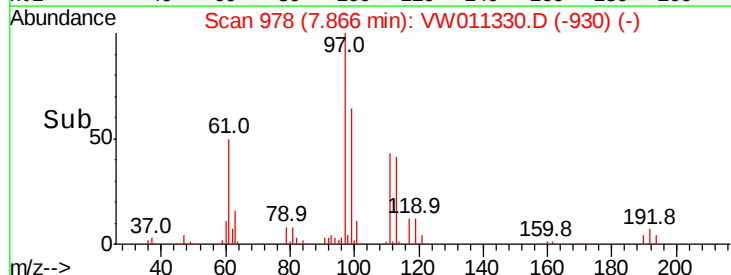
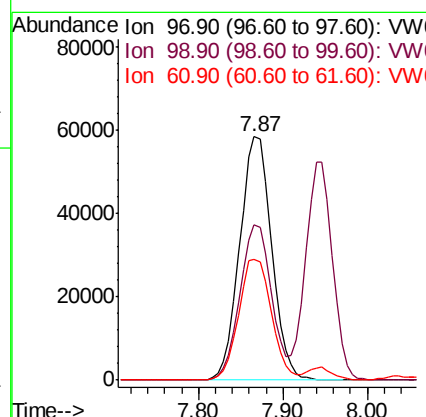
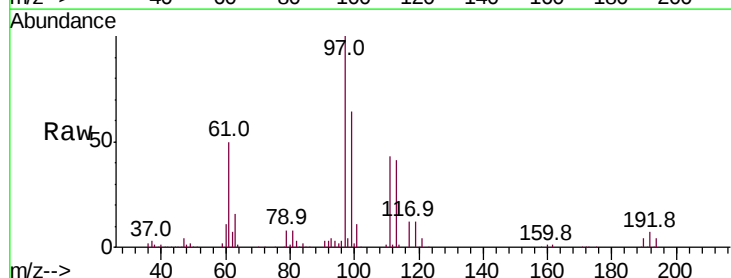
RT: 7.87 min Scan# 978

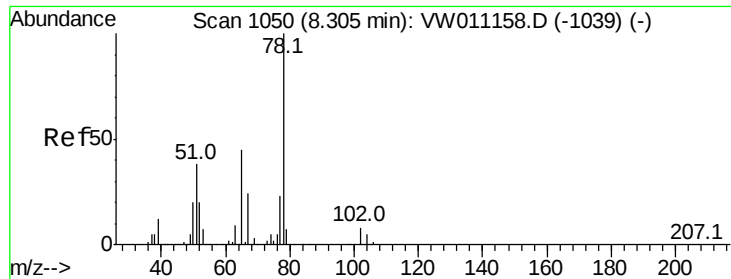
Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion:	97	Resp:	149577
Ion Ratio	Lower	Upper	
97	100		
99	62.6	51.0	76.4
61	51.2	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 42.820 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 103631

Ion Ratio Lower Upper

65 100

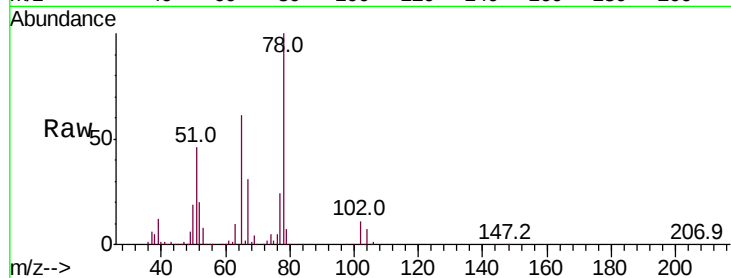
67 51.5 0.0 104.4

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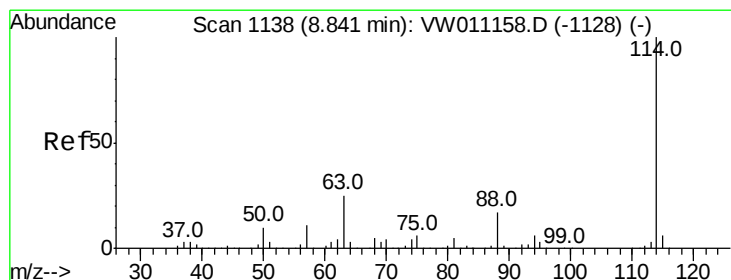
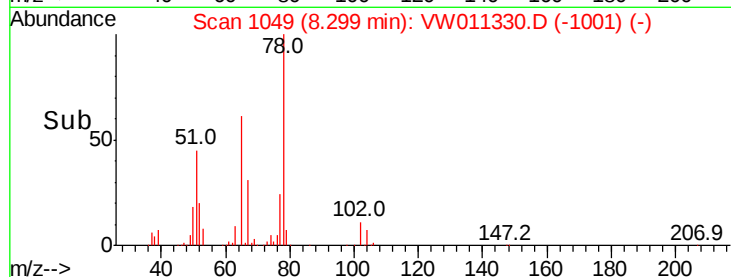
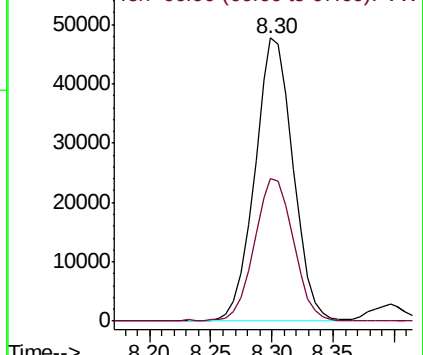
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

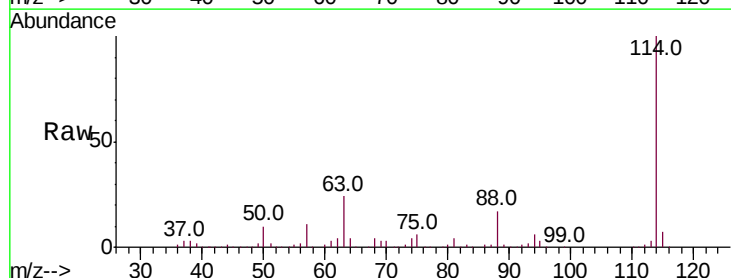
Tgt Ion: 114 Resp: 315560

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.8

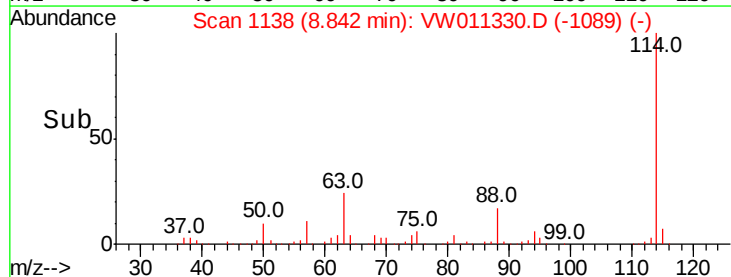
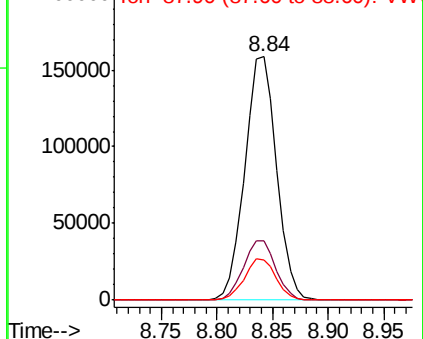
88 16.6 0.0 34.2

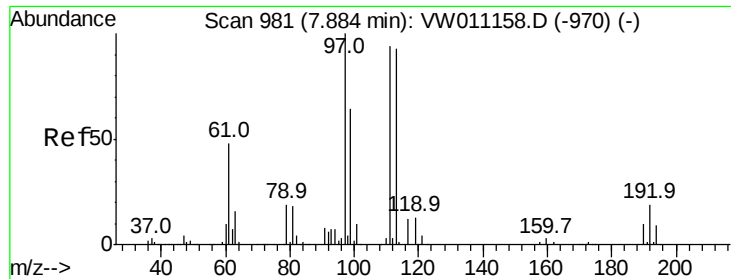


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 43.622 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

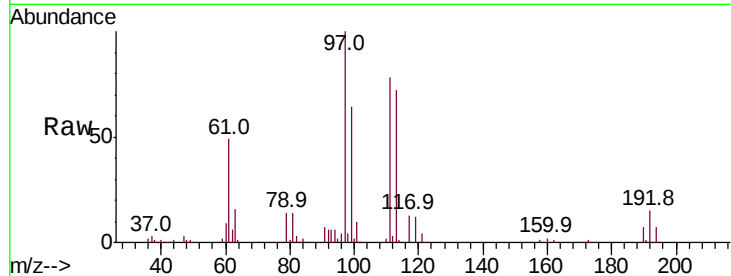
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.4	123.6
192	19.9	15.8	23.8

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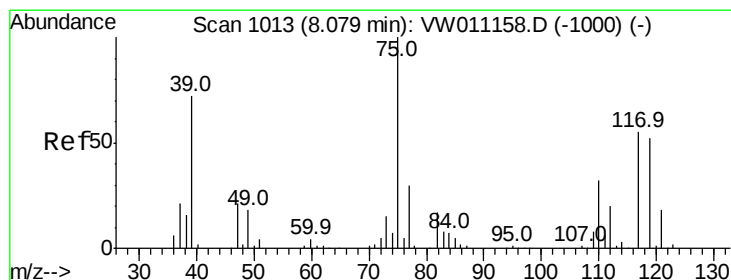
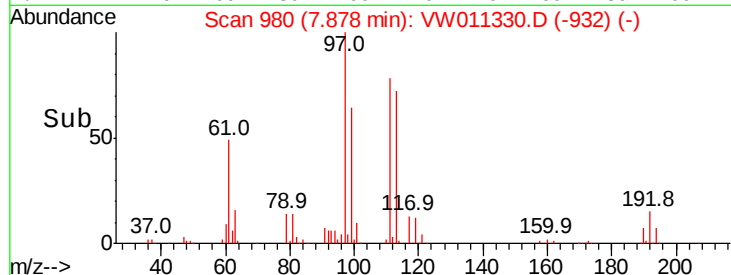
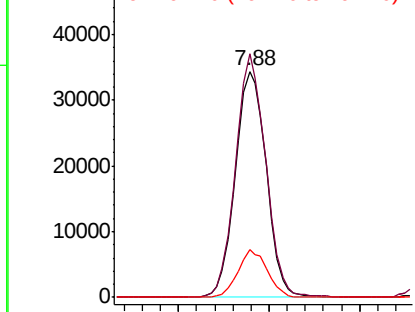


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.238 ug/l

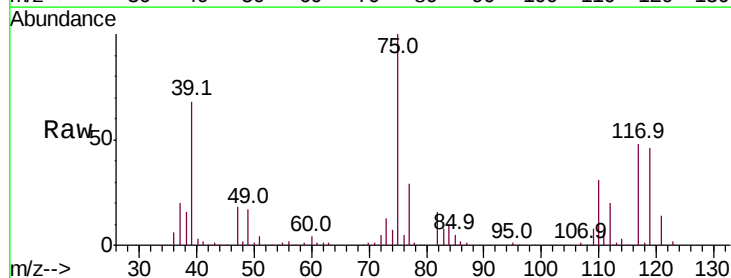
RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.9	47.6
77	30.8	24.6	36.8

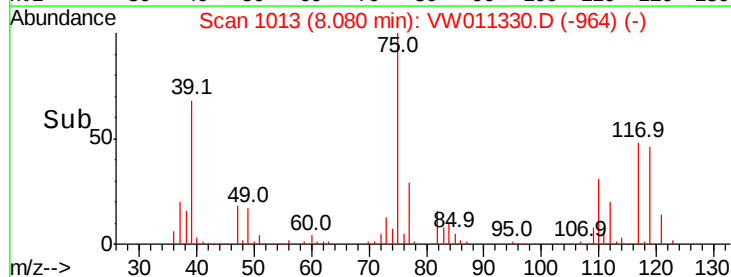
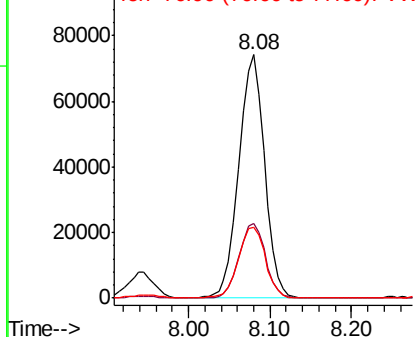


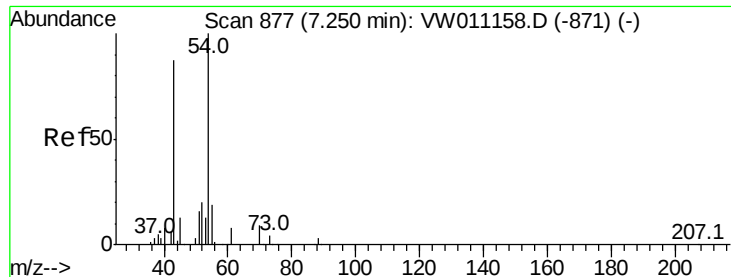
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





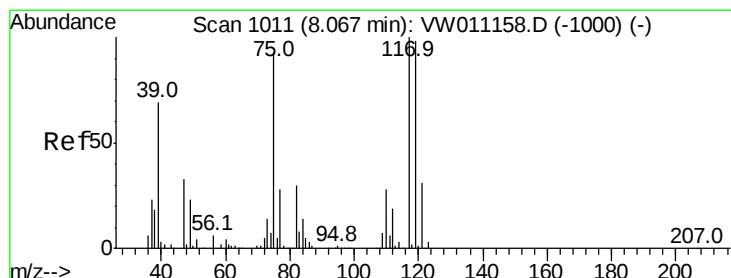
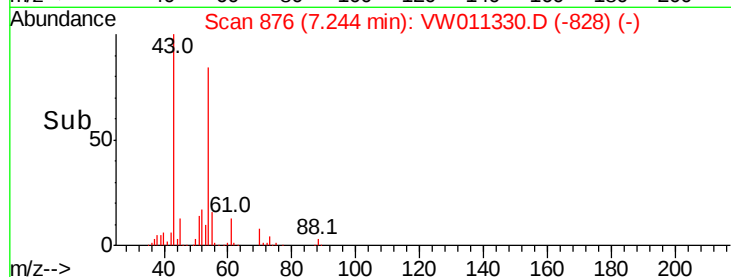
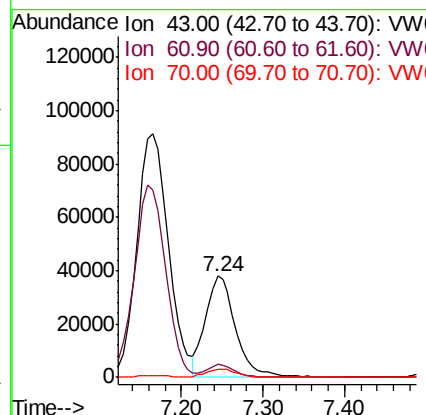
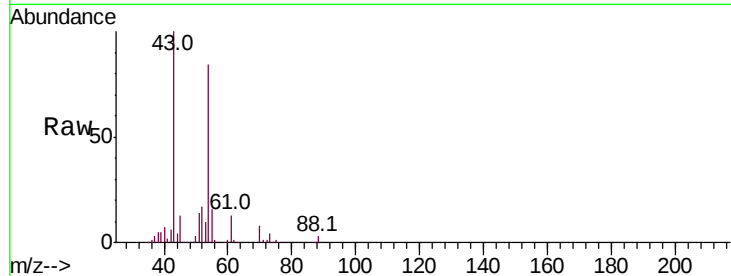
#37
Ethyl Acetate
Concen: 47.967 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	9.5	14.3
70	8.5	7.1	10.7

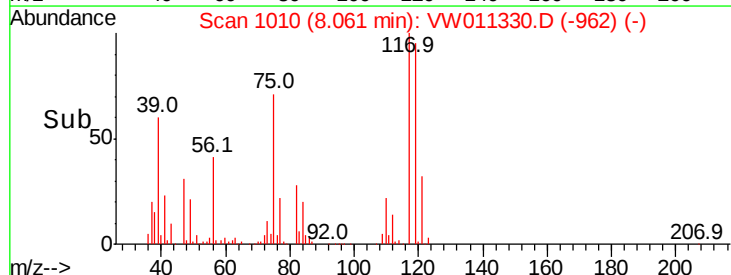
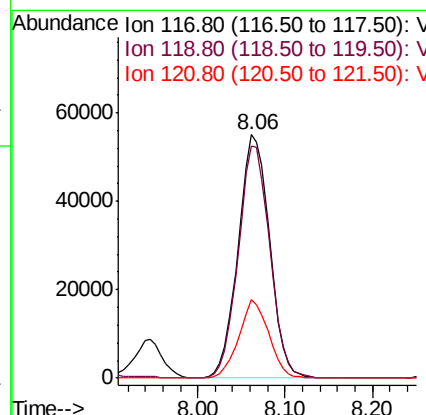
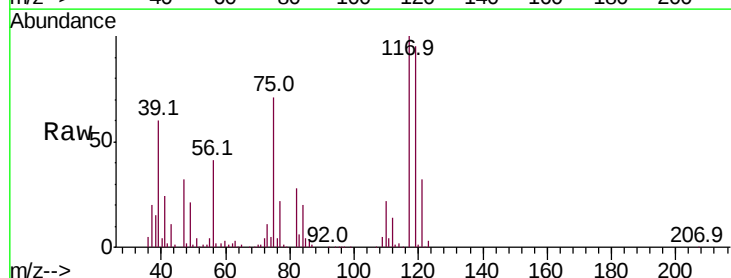
Manual Integrations
APPROVED

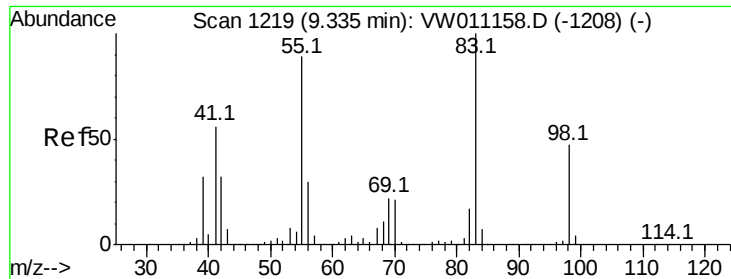
MMDadoda
7/19/2019 9:53:50 AM



#38
Carbon Tetrachloride
Concen: 48.438 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.1	117.1
121	32.5	25.1	37.7





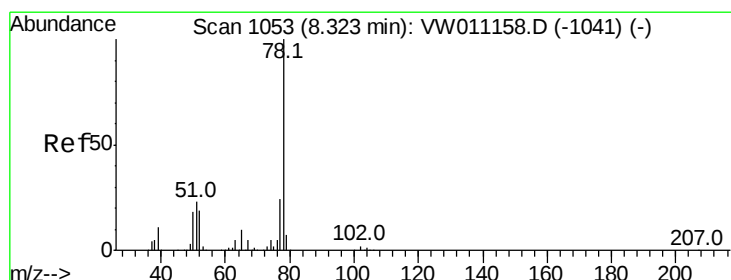
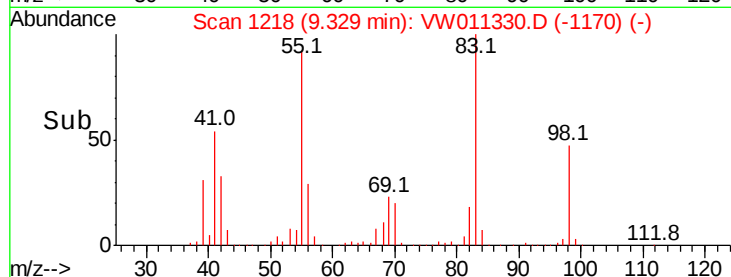
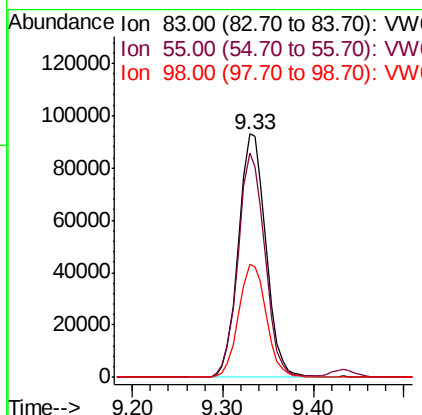
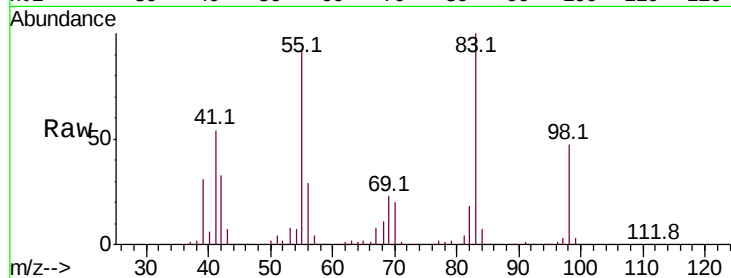
#39
Methvlcvclohexane
Concen: 48.006 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.4	71.2	106.8
98	46.6	37.5	56.3

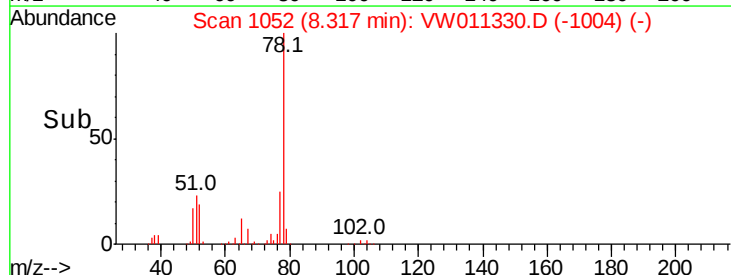
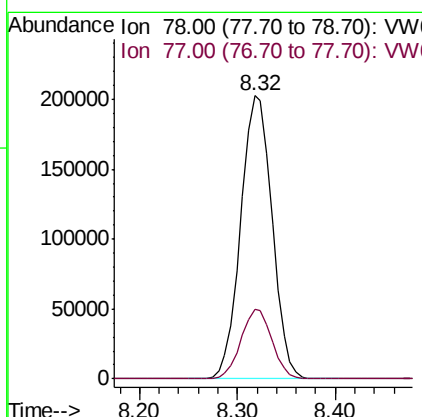
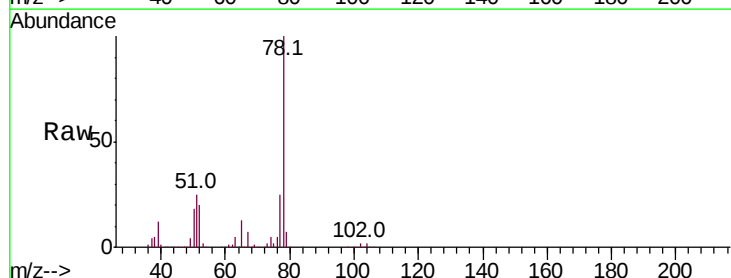
Manual Integrations
APPROVED

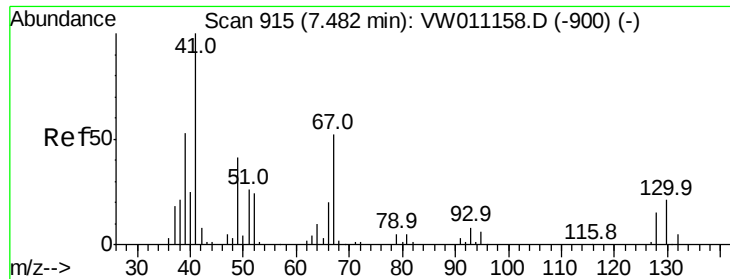
MMDadoda
7/19/2019 9:53:50 AM



#40
Benzene
Concen: 48.739 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6





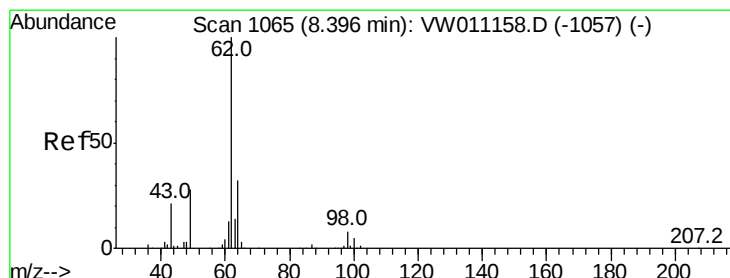
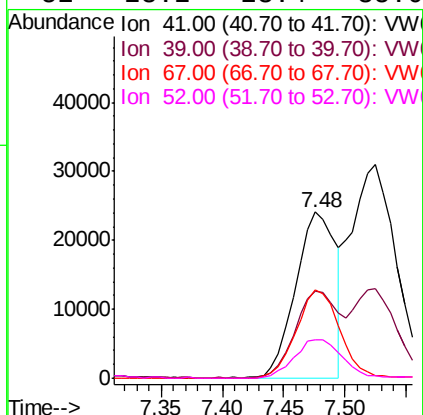
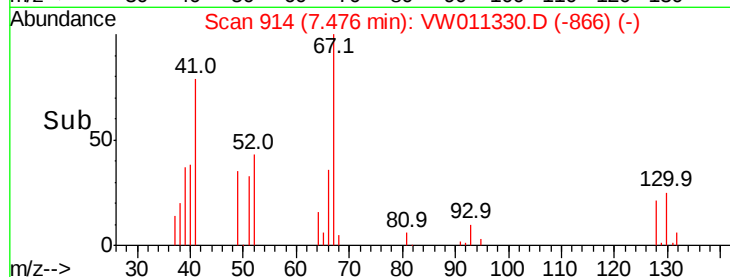
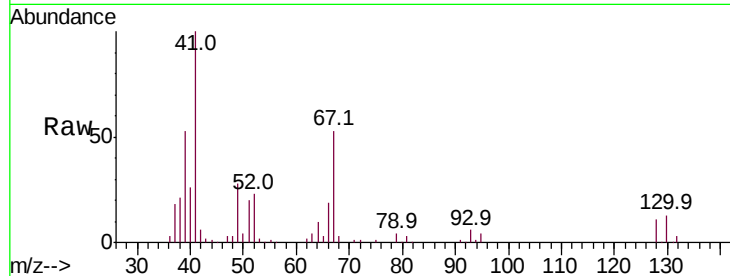
#41
Methacrylonitrile
Concen: 47.502 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.3	48.0	72.0
67	58.5	49.7	74.5
52	28.2	23.4	35.0

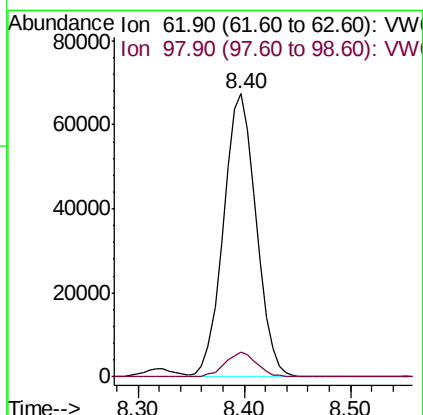
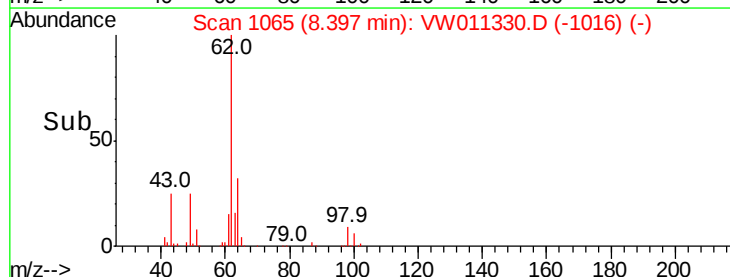
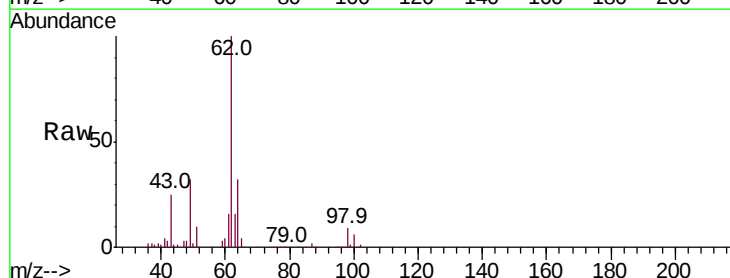
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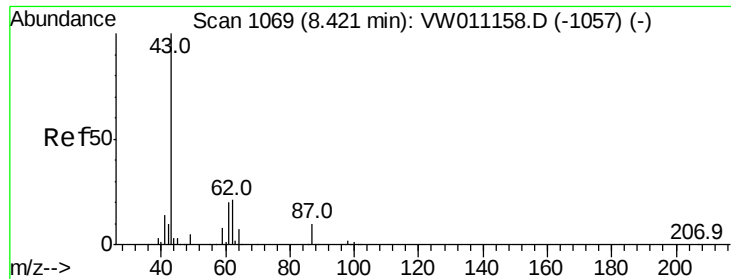
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#42
1,2-Dichloroethane
Concen: 48.050 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 46.928 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

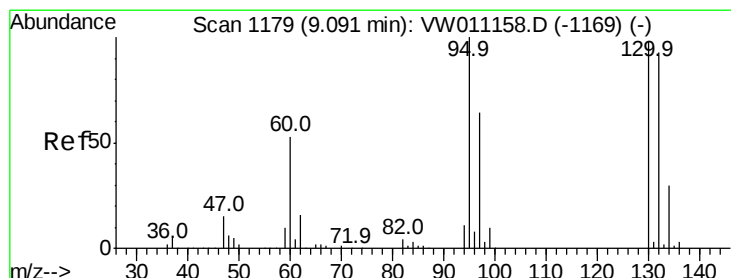
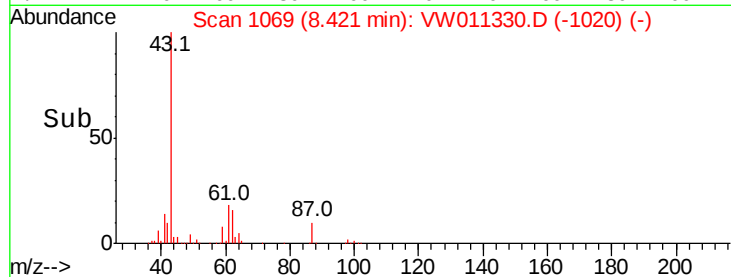
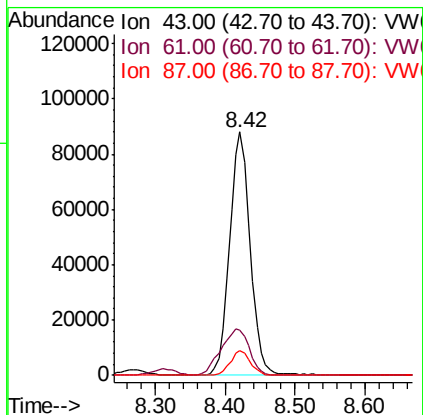
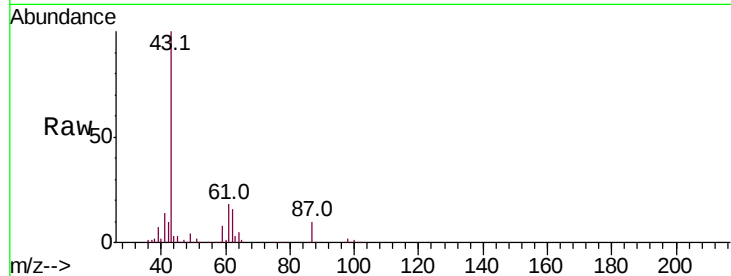
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	178886
Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.7	31.1
87	10.0	8.1	12.1

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#44

Trichloroethene

Concen: 48.783 ug/l

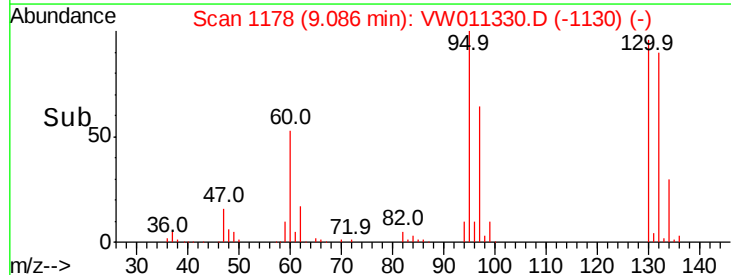
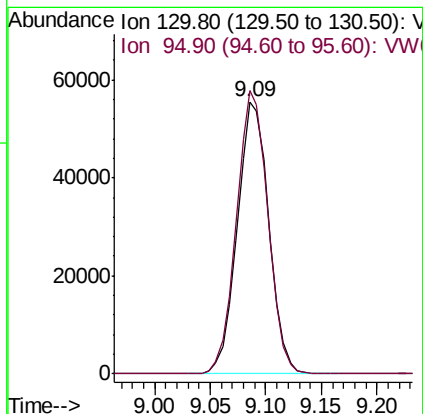
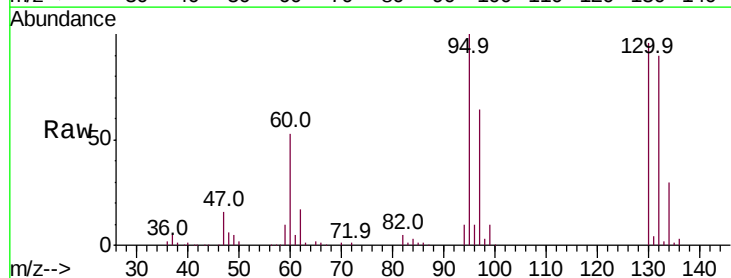
RT: 9.09 min Scan# 1178

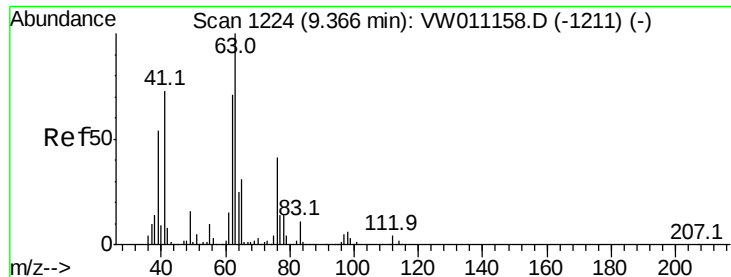
Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion:	130	Resp:	109021
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	203.6





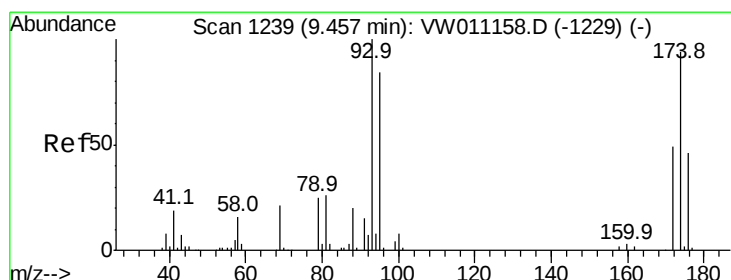
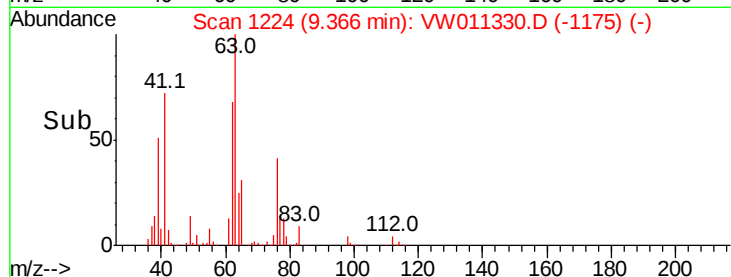
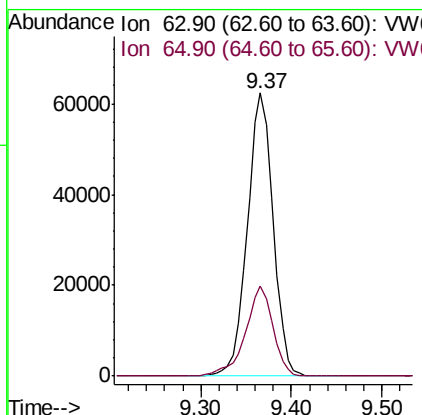
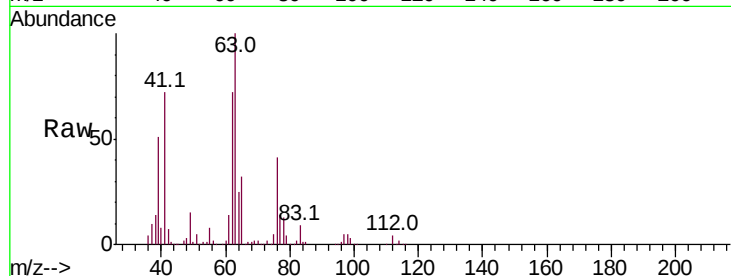
#45
 1,2-Dichloropropane
 Concen: 48.779 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 122672
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.4 36.6

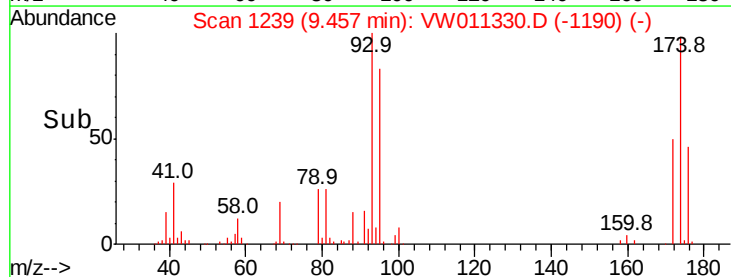
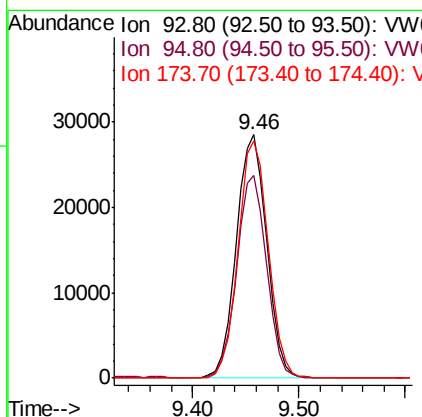
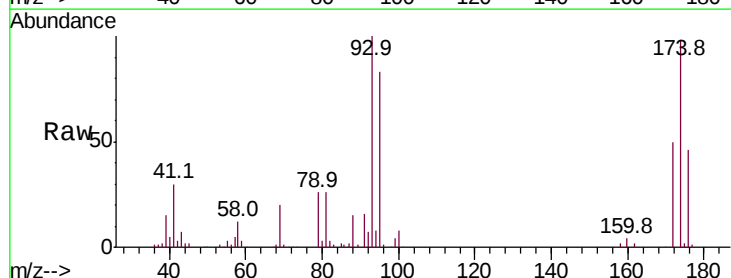
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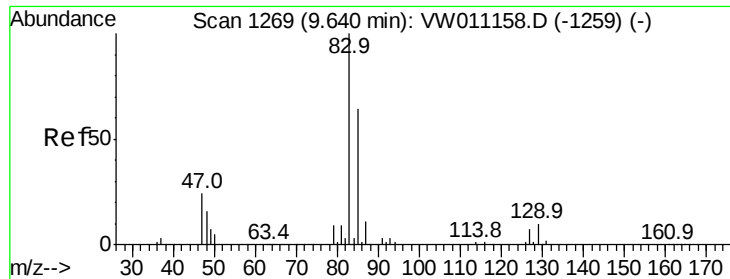
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#46
 Dibromomethane
 Concen: 48.322 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion: 93 Resp: 57085
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.2 100.8
 174 97.0 76.3 114.5





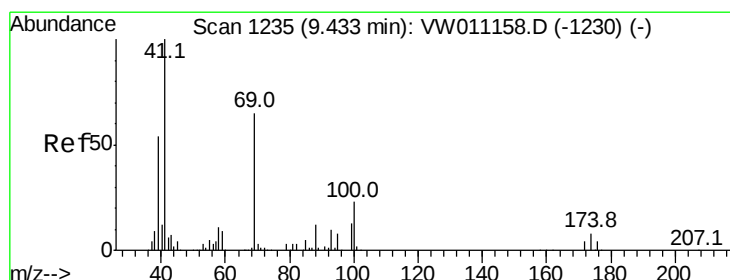
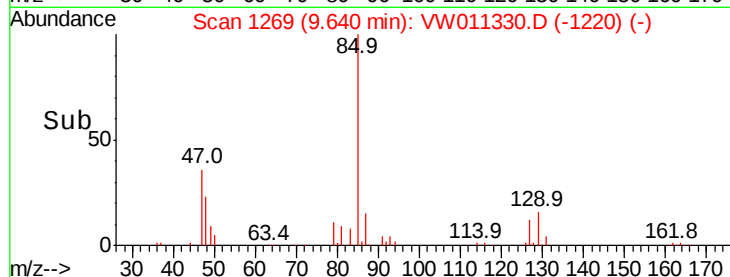
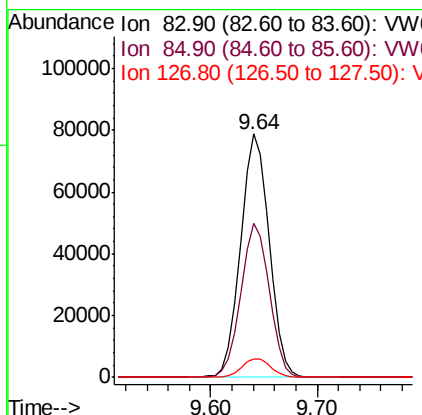
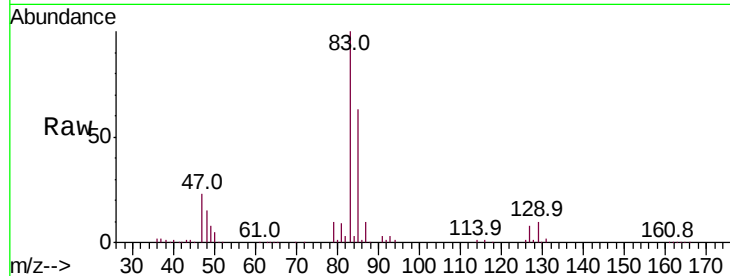
#47
Bromodichloromethane
Concen: 49.201 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.4	51.0	76.4	
127	7.7	6.0	9.0	

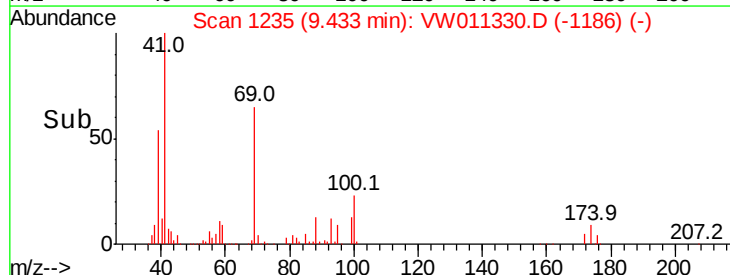
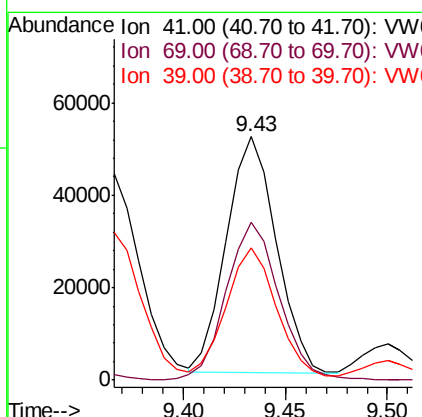
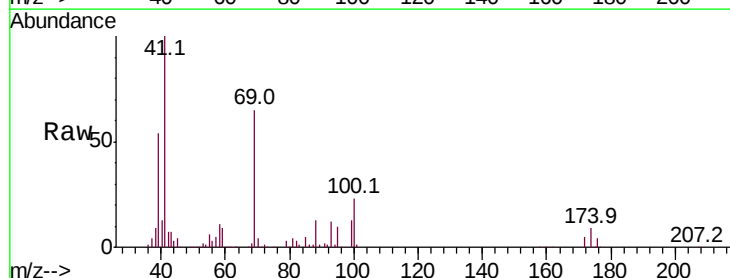
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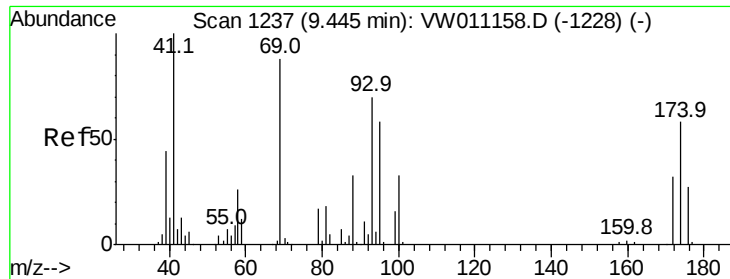
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#48
Methyl methacrylate
Concen: 47.323 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	71.1	56.0	84.0	
39	53.5	43.5	65.3	





#49

1,4-Dioxane

Concen: 870.840 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

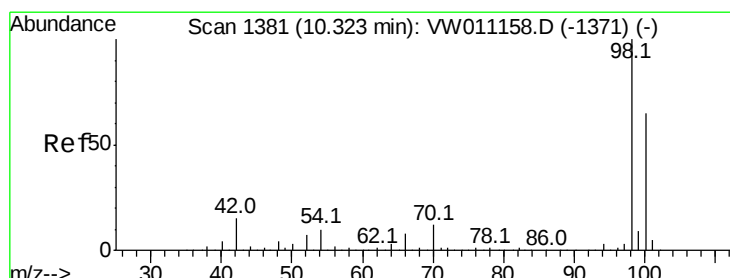
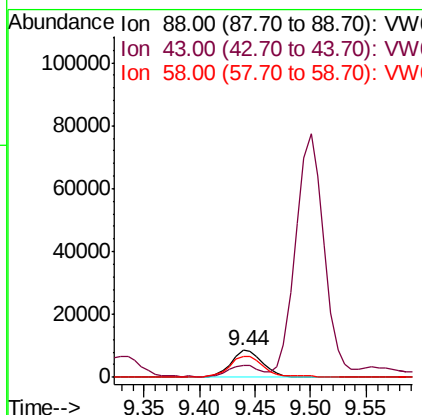
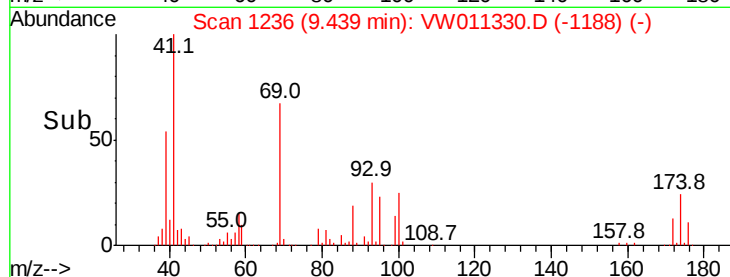
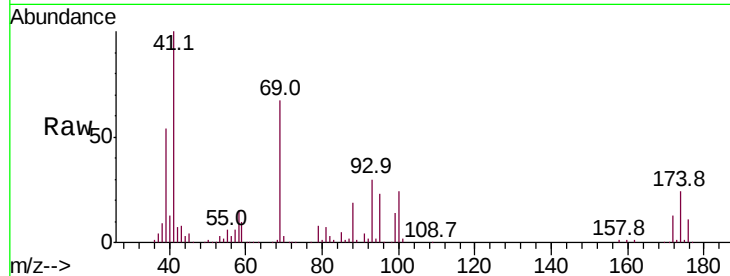
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	17172
Ion	Ratio	Lower	Upper
88	100		
43	43.8	33.4	50.0
58	86.3	64.5	96.7

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#50

Toluene-d8

Concen: 43.599 ug/l

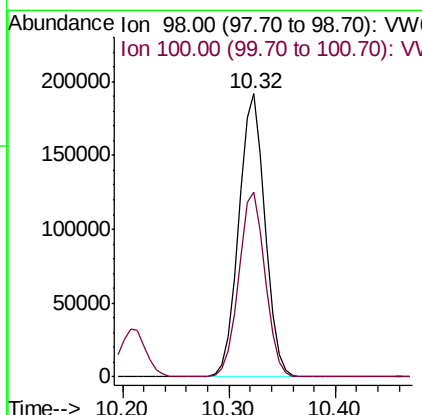
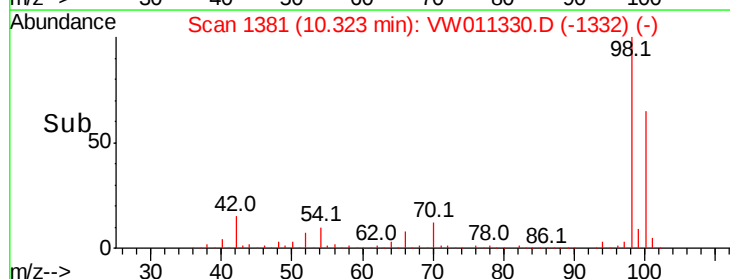
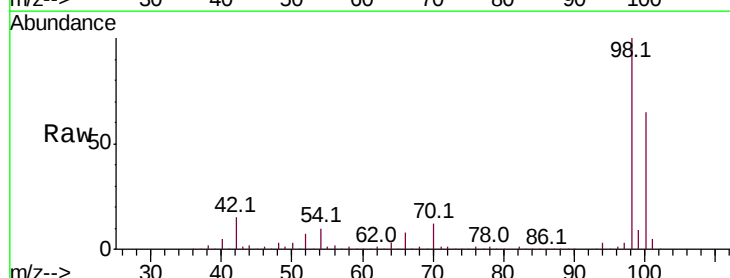
RT: 10.32 min Scan# 1381

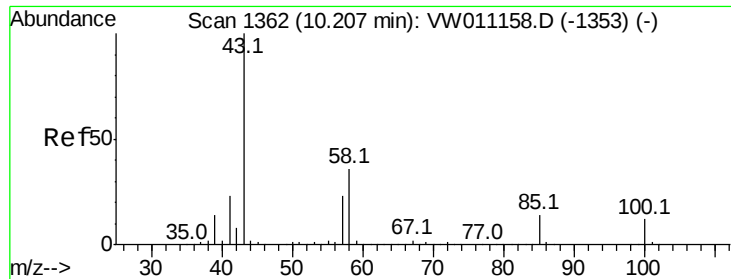
Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion:	98	Resp:	331474
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 238.442 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 474794

Ion Ratio Lower Upper

43 100

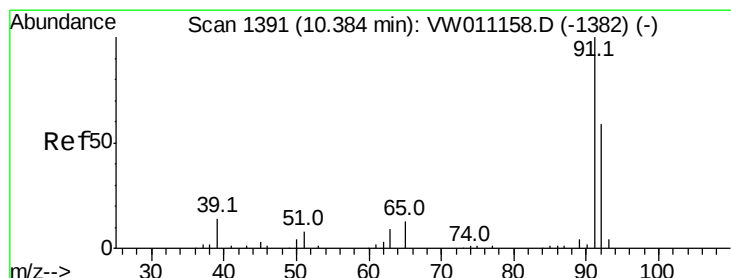
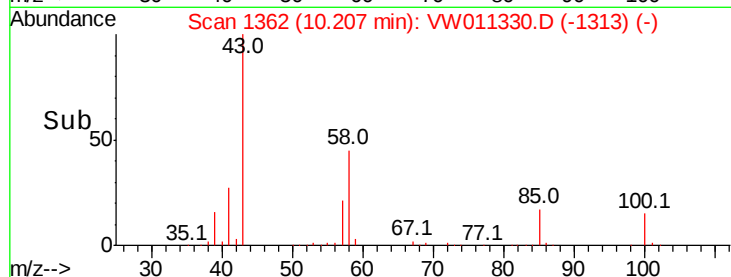
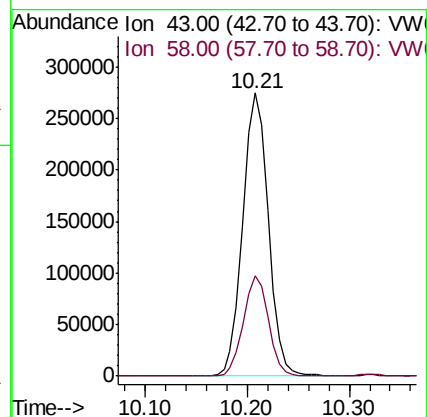
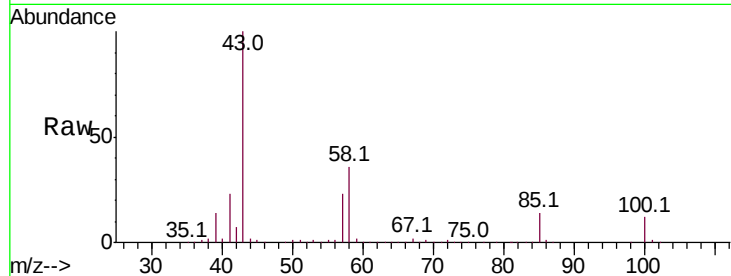
58 35.1 28.2 42.2

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#52

Toluene

Concen: 49.217 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011330.D

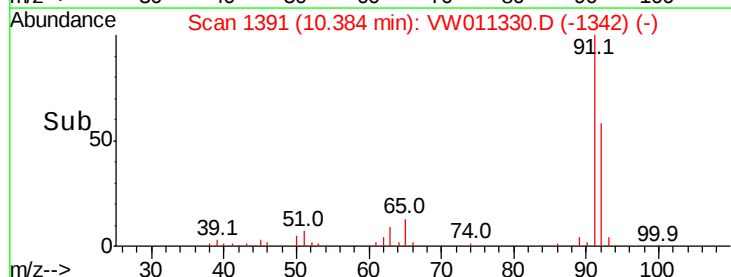
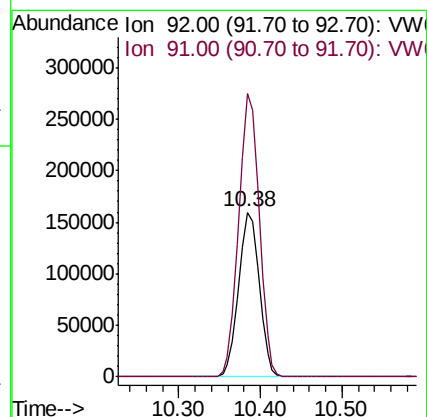
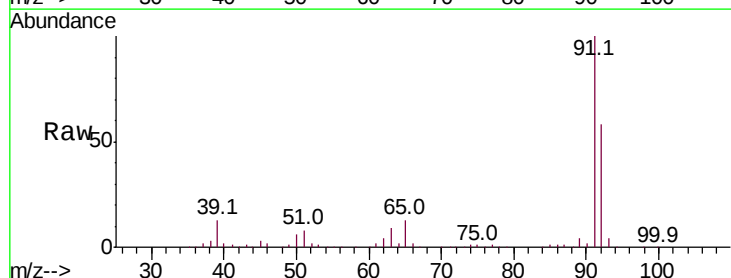
Acq: 18 Jul 2019 10:48

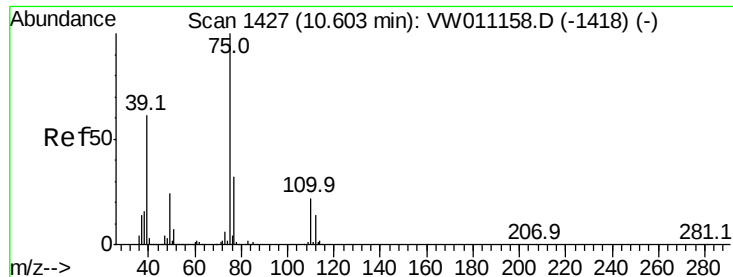
Tgt Ion: 92 Resp: 277269

Ion Ratio Lower Upper

92 100

91 171.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 48.317 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W

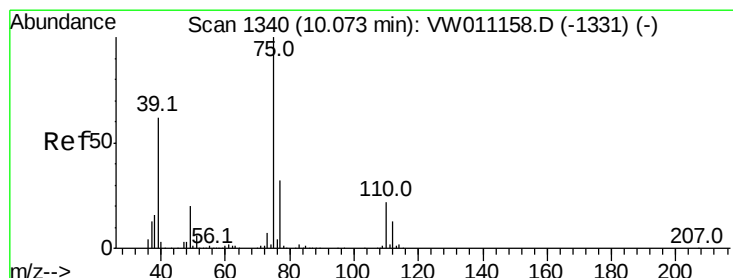
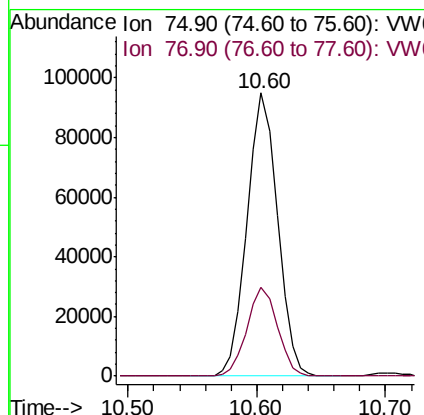
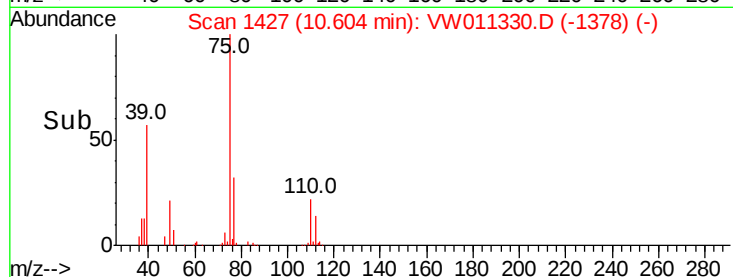
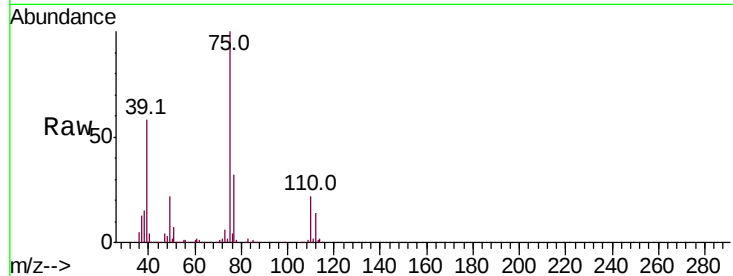
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 155457

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

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#54

cis-1,3-Dichloropropene

Concen: 48.897 ug/l

RT: 10.07 min Scan# 1339

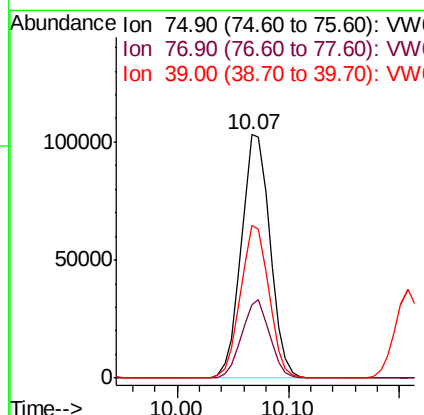
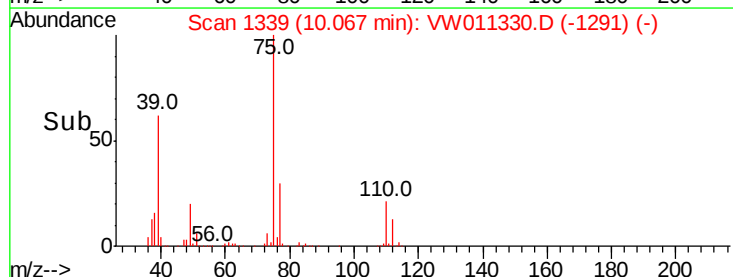
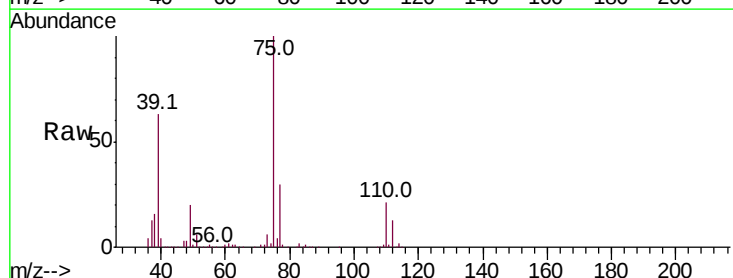
Delta R.T. -0.01 min

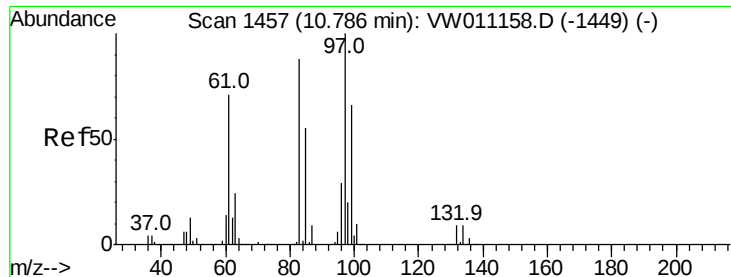
Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion: 75 Resp: 185180

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.7	38.5
39	62.5	49.8	74.8





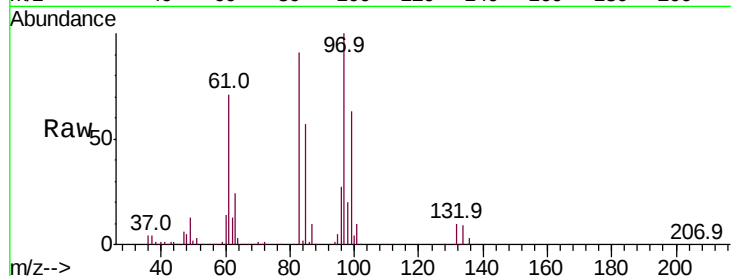
#55
 1,1,2-Trichloroethane
 Concen: 48.025 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

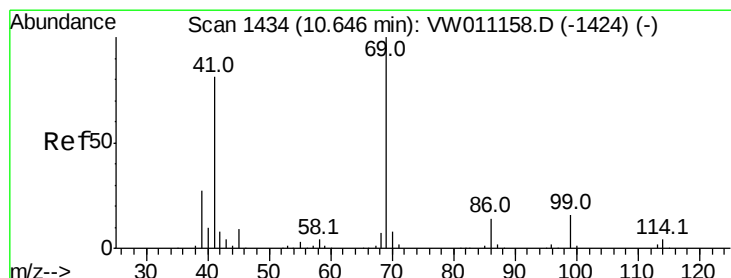
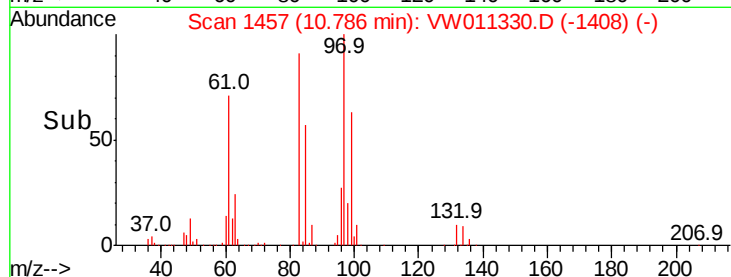
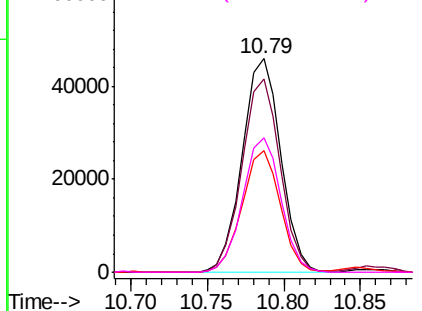
Tot Ion:	97	Resp:	80487
Ion	Ratio	Lower	Upper
97	100		
83	90.5	70.2	105.4
85	56.9	44.2	66.2
99	63.2	52.6	79.0

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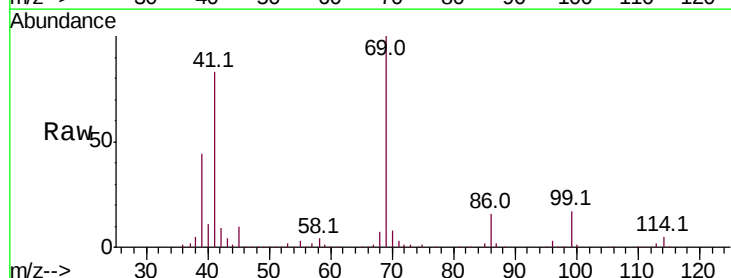


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

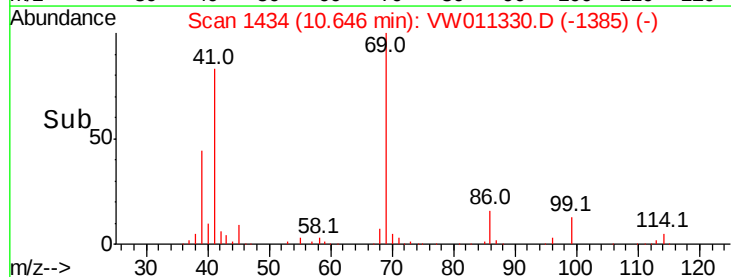
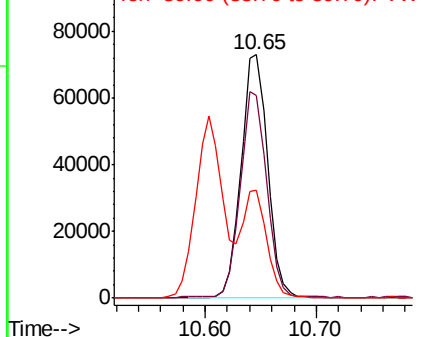


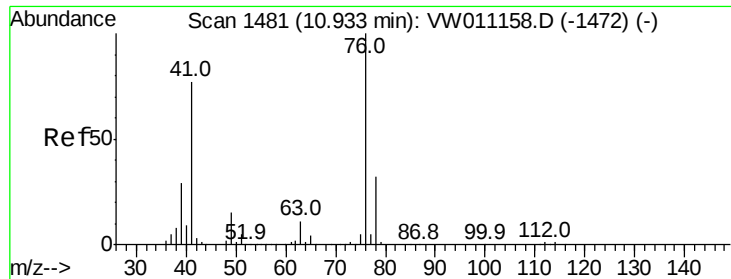
#56
 Ethyl methacrylate
 Concen: 47.510 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion:	69	Resp:	121225
Ion	Ratio	Lower	Upper
69	100		
41	83.4	66.5	99.7
39	39.0	32.5	48.7



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





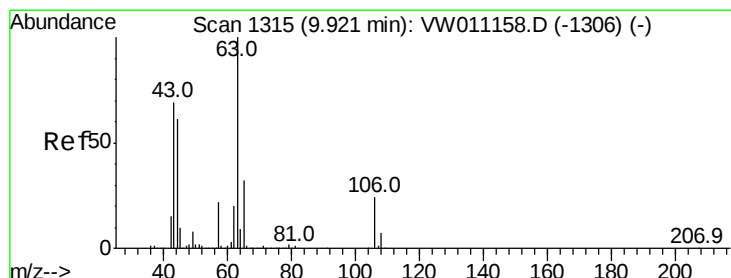
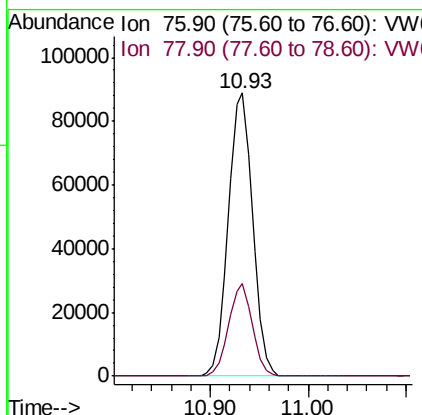
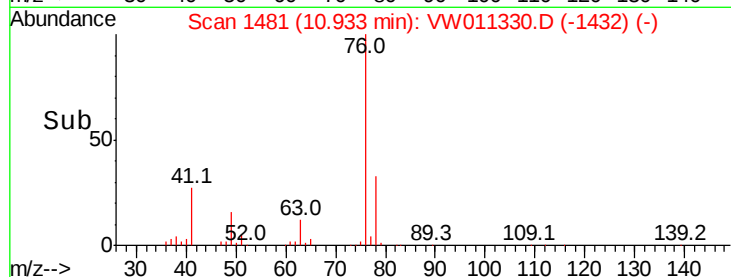
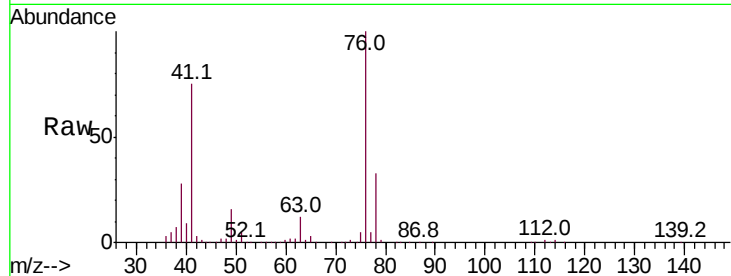
#57
 1,3-Dichloropropane
 Concen: 48.329 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 153165
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2

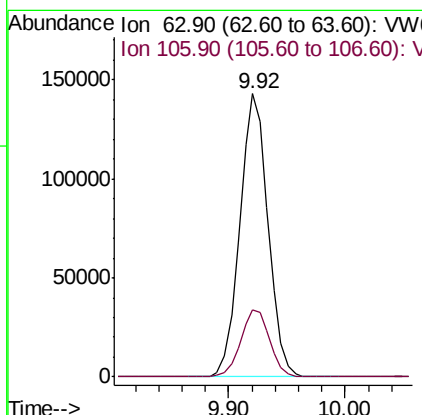
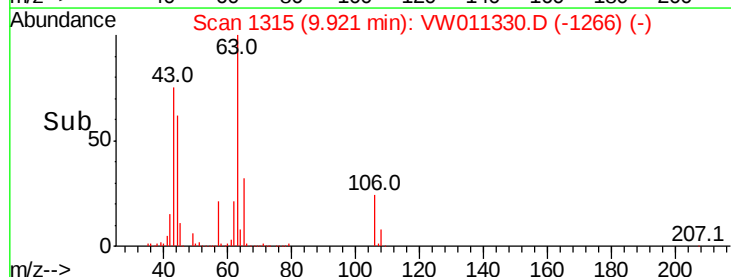
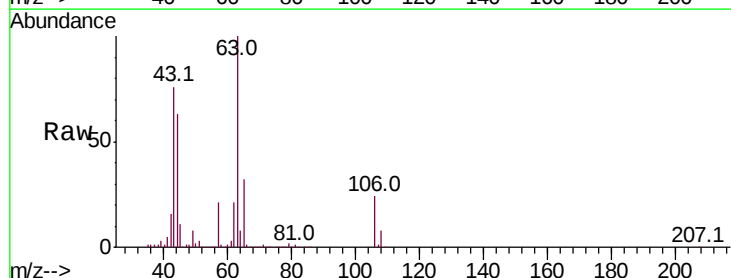
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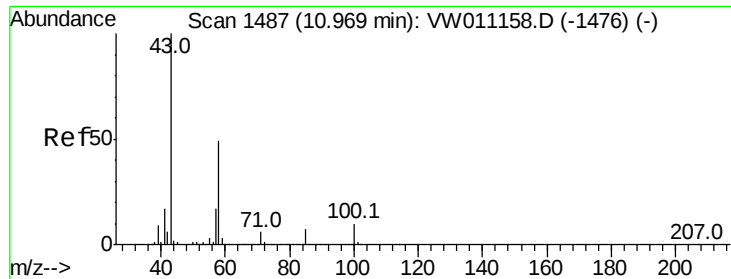
MMDadoda
 7/19/2019 9:53:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 203.073 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion: 63 Resp: 240217
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.4 29.0





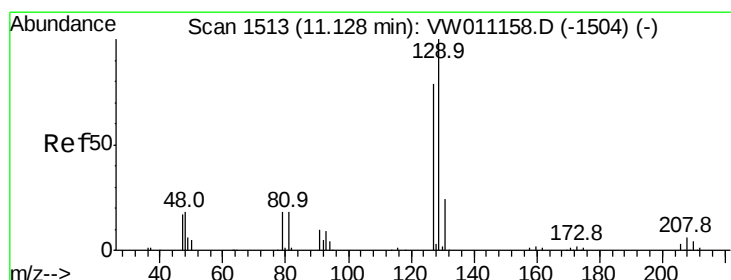
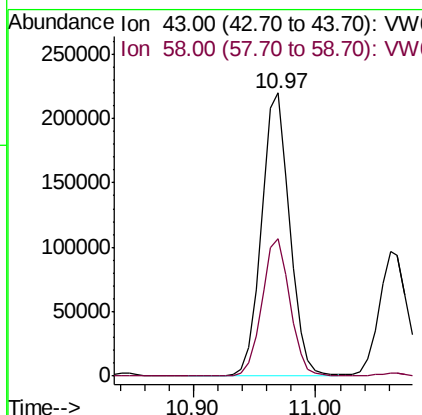
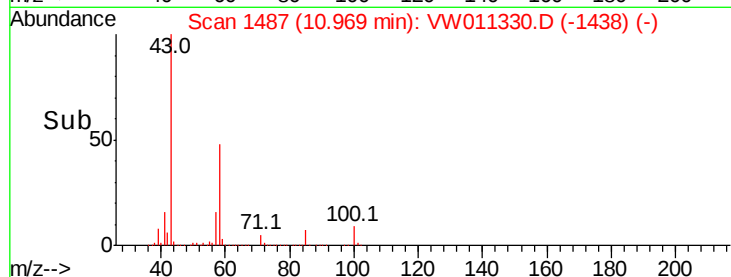
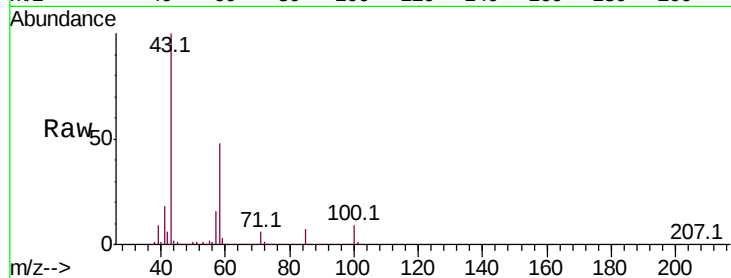
#59
2-Hexanone
Concen: 255.107 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 352283
Ion Ratio Lower Upper
43 100
58 48.3 24.4 73.4

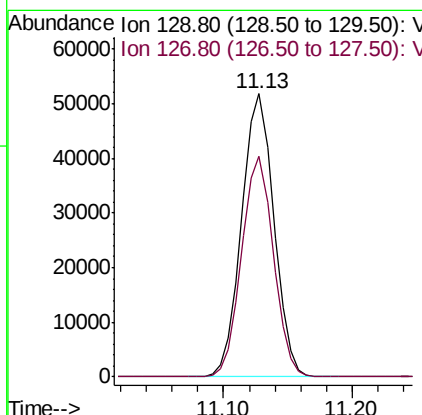
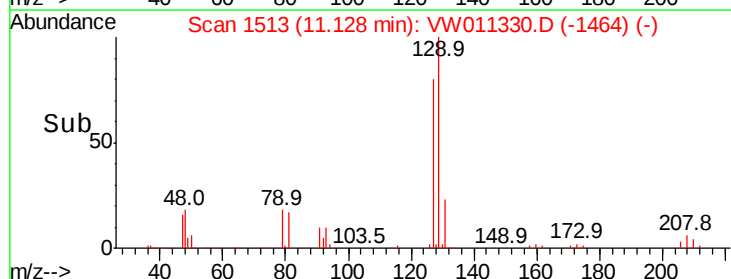
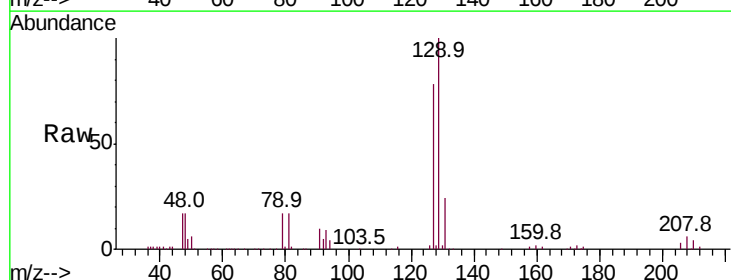
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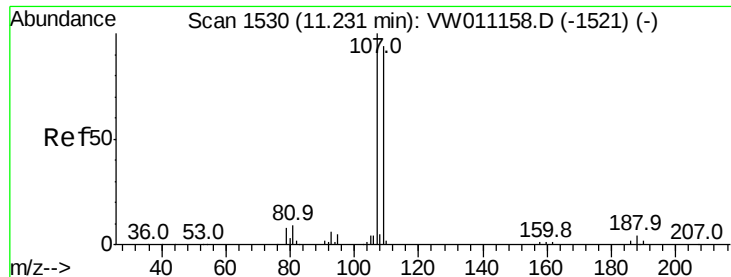
MMDadoda
7/19/2019 9:53:50 AM



#60
Dibromochloromethane
Concen: 48.765 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 129 Resp: 89620
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.3





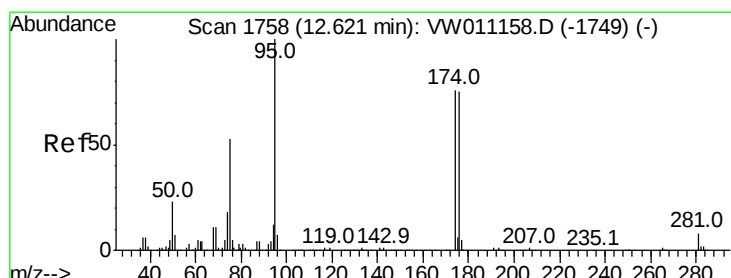
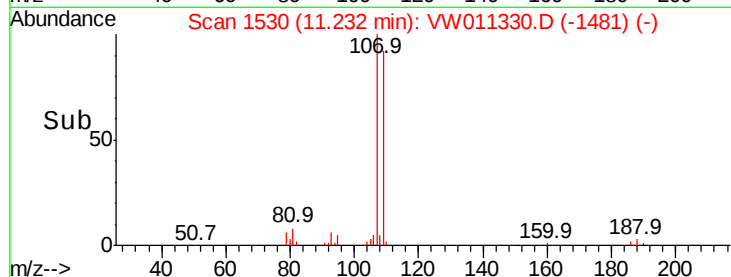
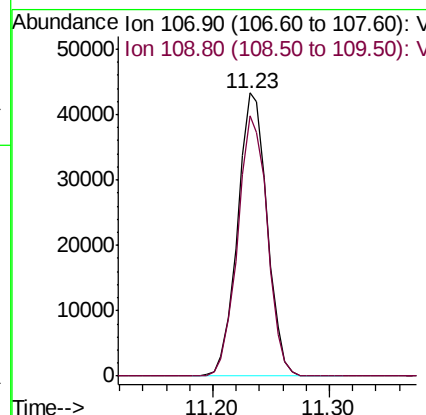
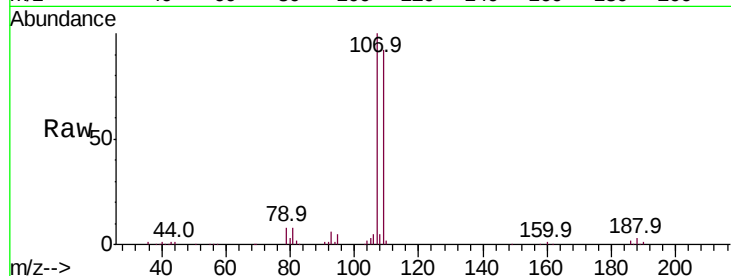
#61
 1,2-Dibromoethane
 Concen: 48.251 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.2	112.8

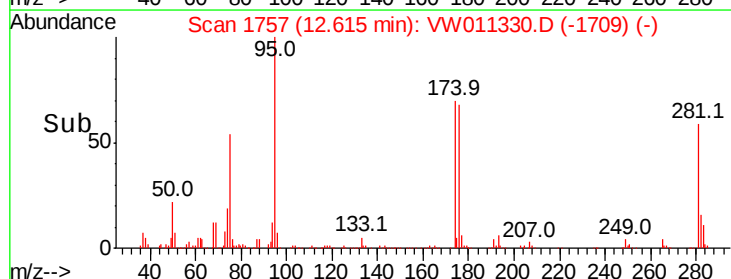
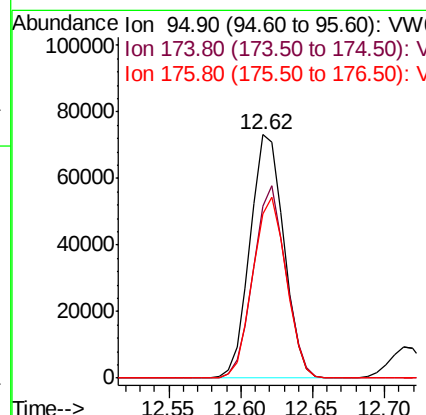
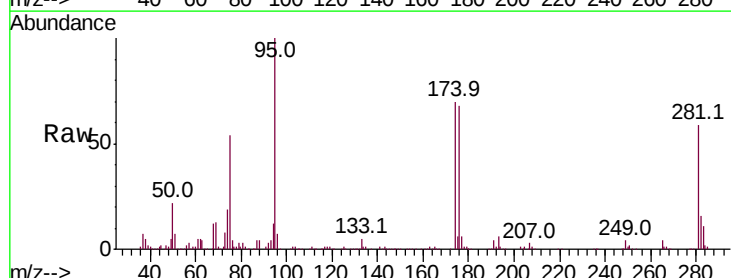
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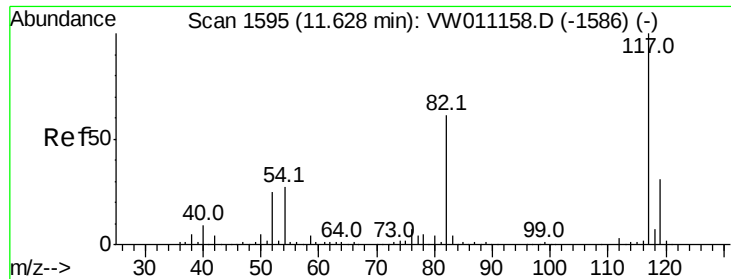
MMDadoda
 7/19/2019 9:53:50 AM



#62
 4-Bromofluorobenzene
 Concen: 42.530 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	147.6
176	73.7	0.0	144.6





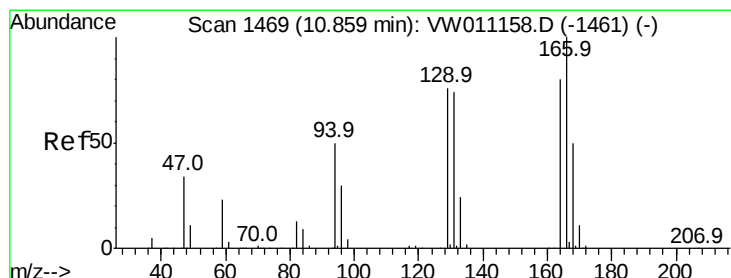
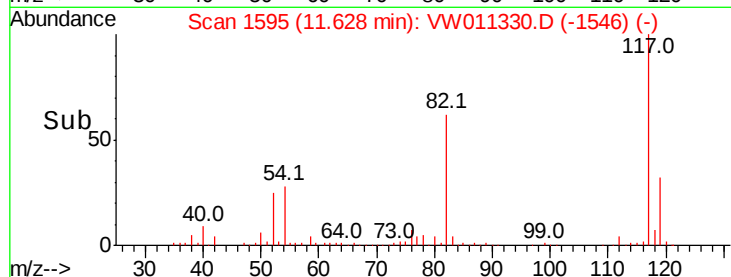
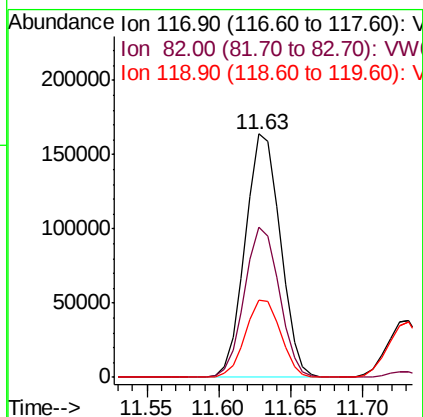
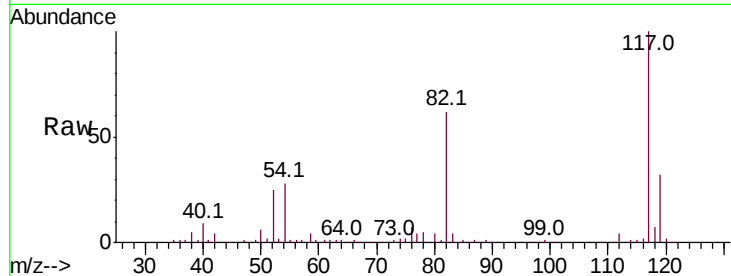
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	277080		
82	61.9	48.9	73.3	
119	31.6	25.0	37.6	

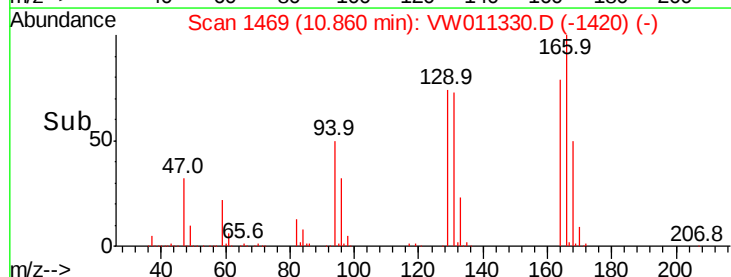
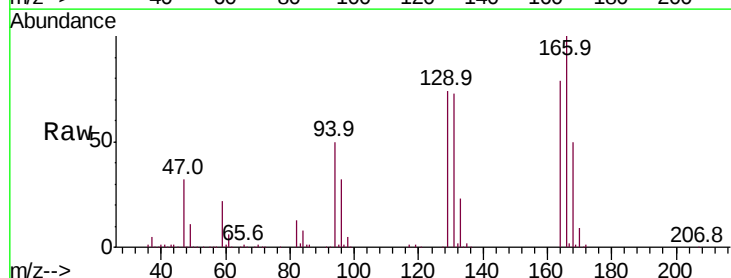
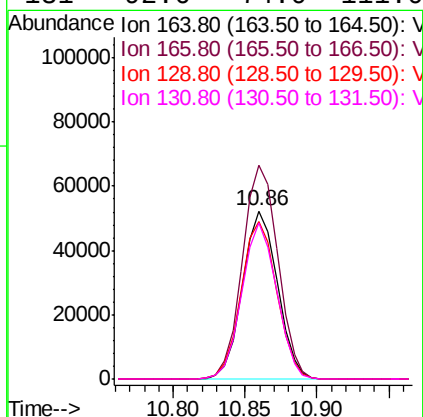
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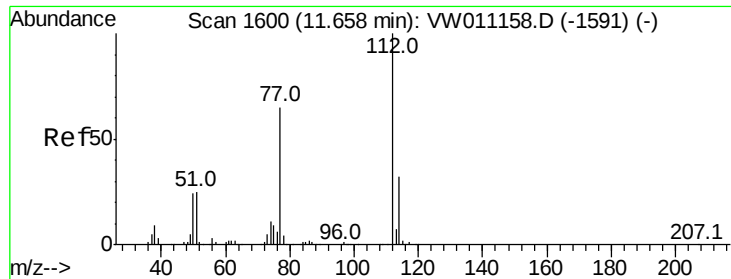
MMDadoda
7/19/2019 9:53:50 AM



#64
Tetrachloroethene
Concen: 46.895 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87678		
166	127.0	99.7	149.5	
129	93.6	76.2	114.2	
131	92.6	74.0	111.0	





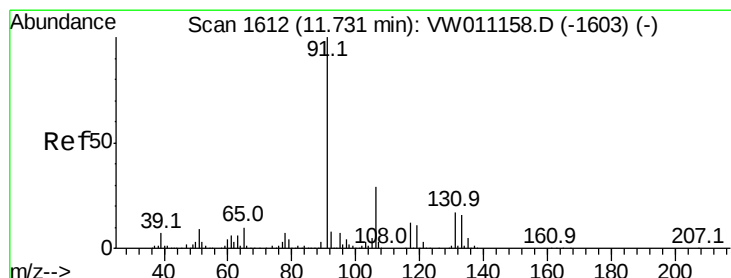
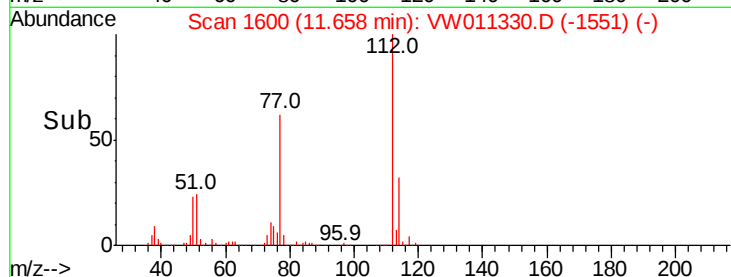
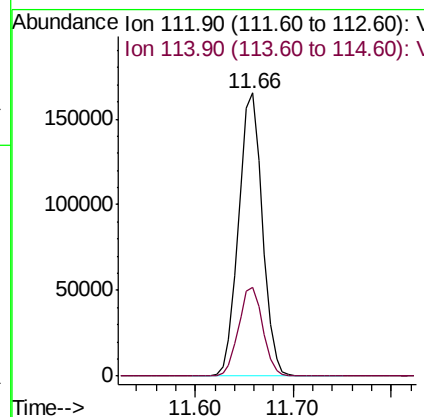
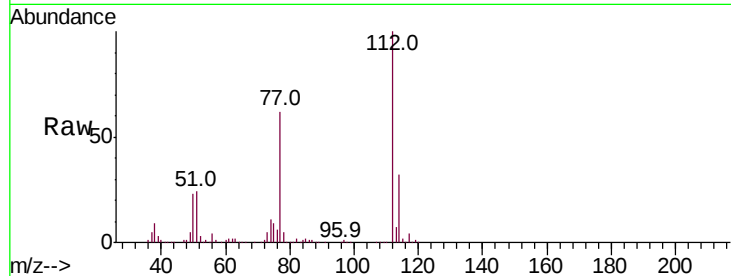
#65
Chlorobenzene
Concen: 49.472 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.5	38.3

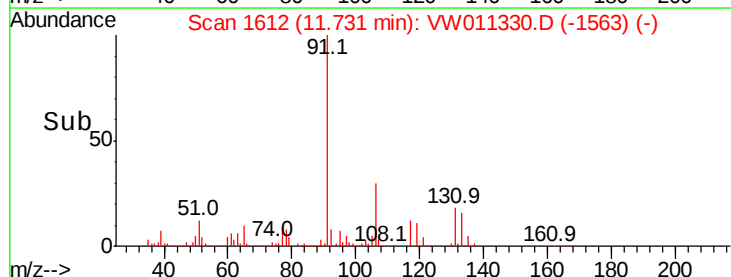
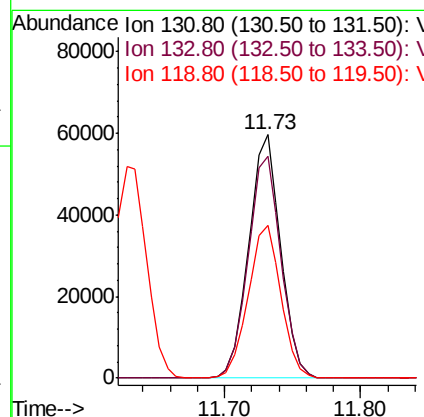
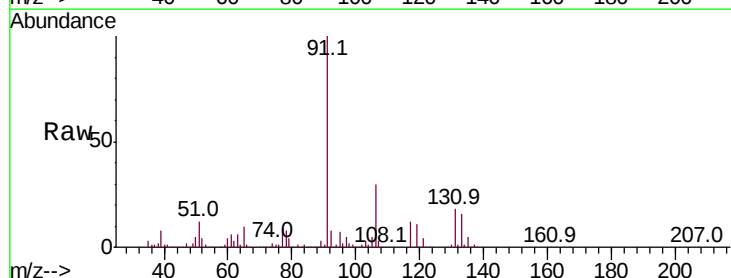
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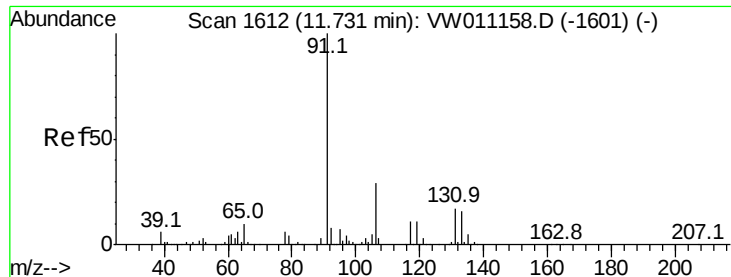
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.312 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.9	143.8
119	64.5	33.1	99.2





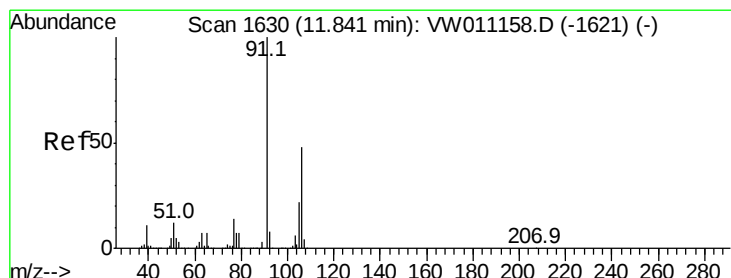
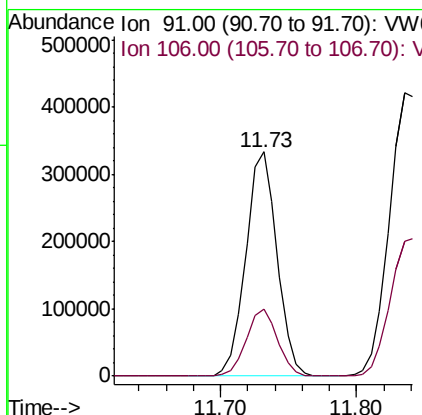
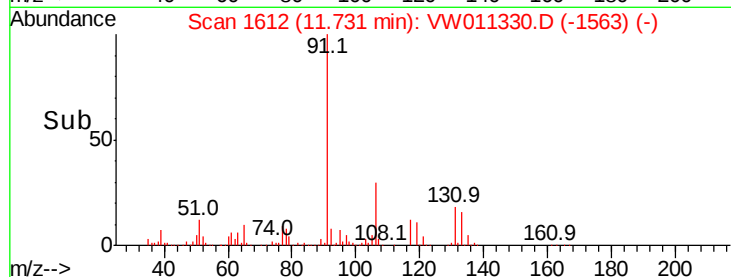
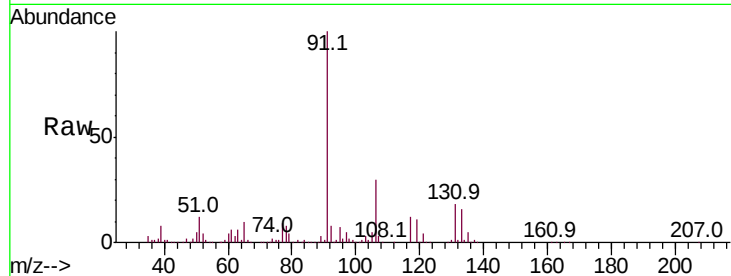
#67
Ethyl Benzene
Concen: 49.621 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 535126
Ion Ratio Lower Upper
91 100
106 30.1 23.5 35.3

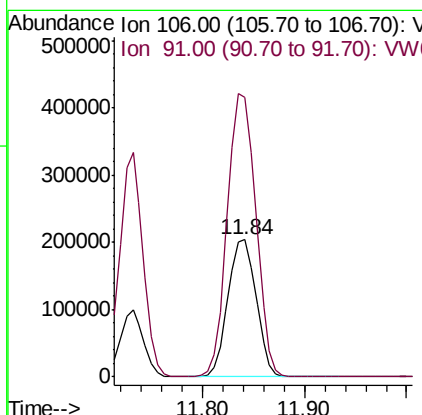
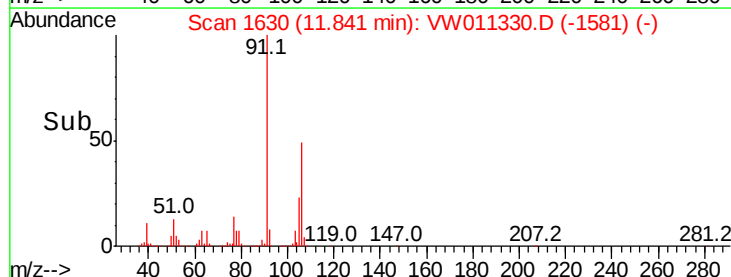
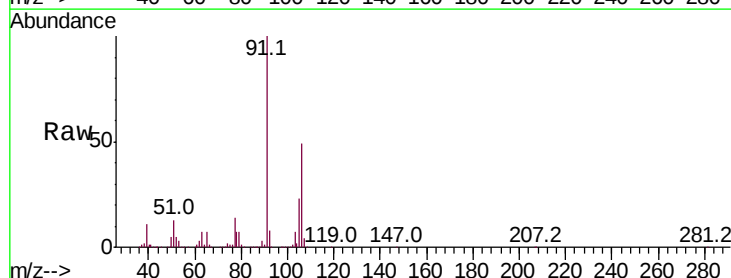
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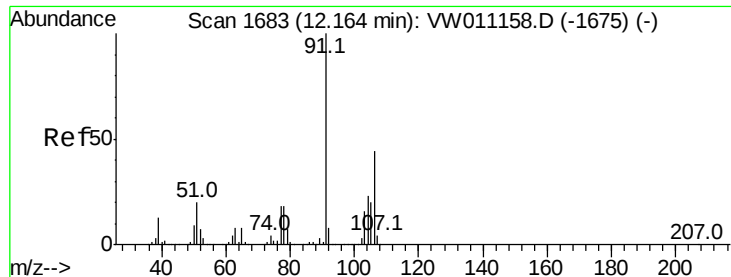
MMDadoda
7/19/2019 9:53:50 AM



#68
m/p-Xylenes
Concen: 100.237 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 106 Resp: 391145
Ion Ratio Lower Upper
106 100
91 208.7 167.7 251.5





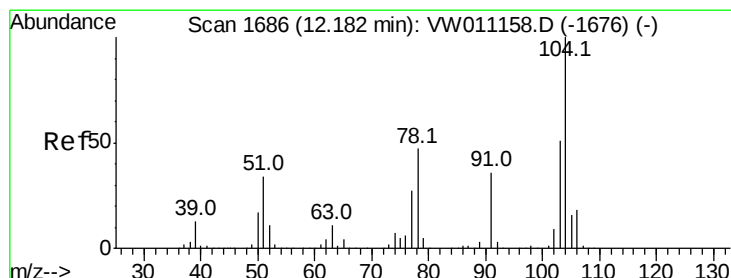
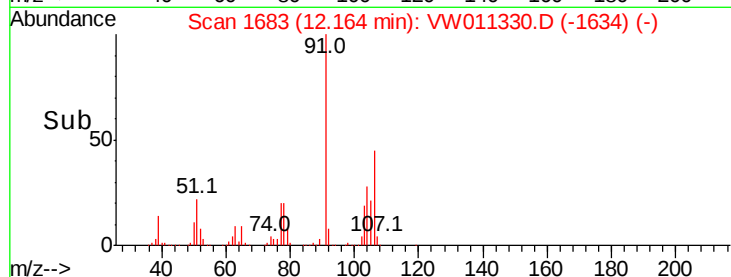
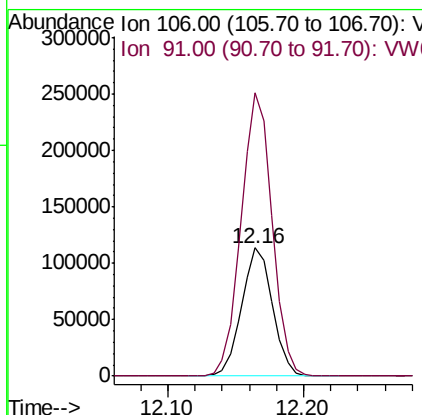
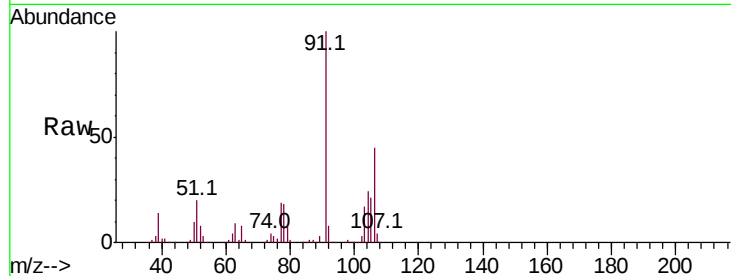
#69
o-Xylene
Concen: 49.196 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 180936
Ion Ratio Lower Upper
106 100
91 221.2 110.7 332.1

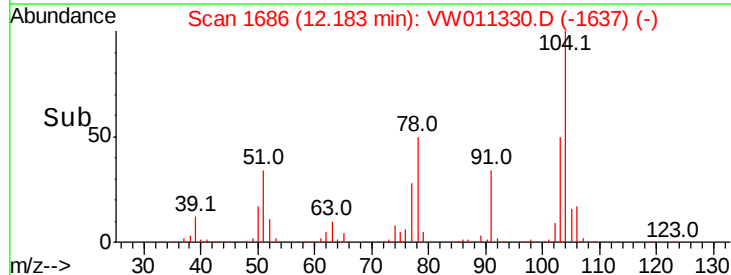
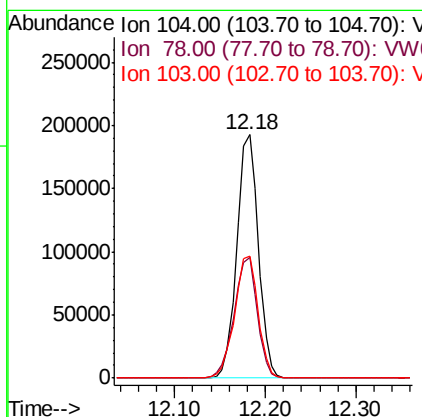
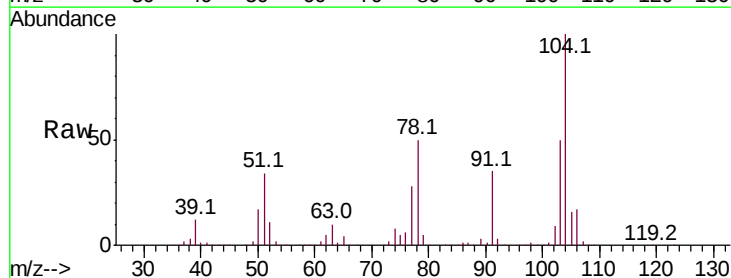
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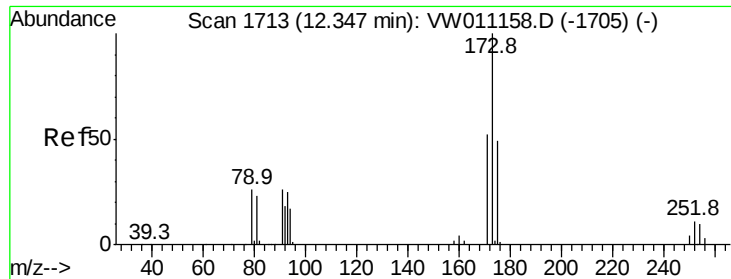
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#70
Styrene
Concen: 50.010 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion:104 Resp: 317433
Ion Ratio Lower Upper
104 100
78 53.5 43.1 64.7
103 54.7 44.1 66.1





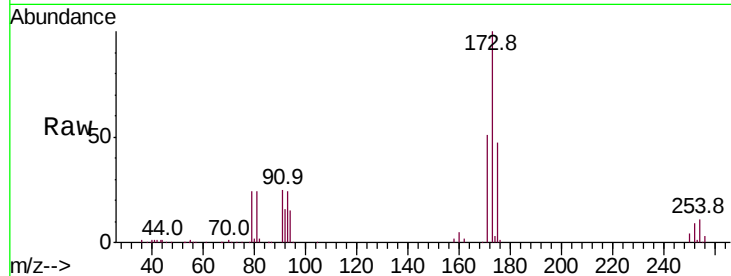
#71
Bromoform
Concen: 46.877 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.3
254	0.2	0.0	0.0

Manual Integrations
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MMDadoda
7/19/2019 9:53:50 AM

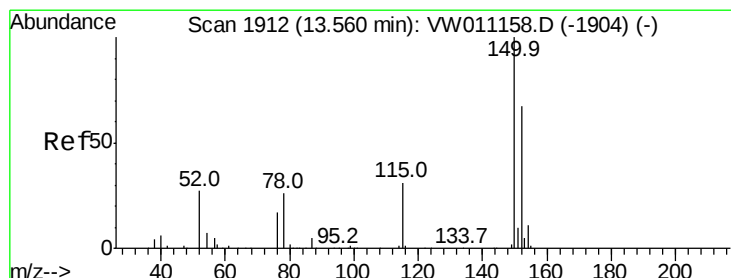
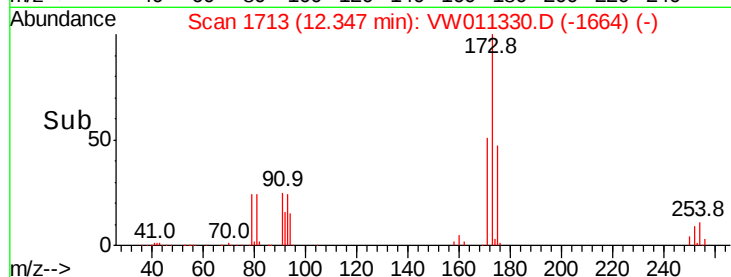
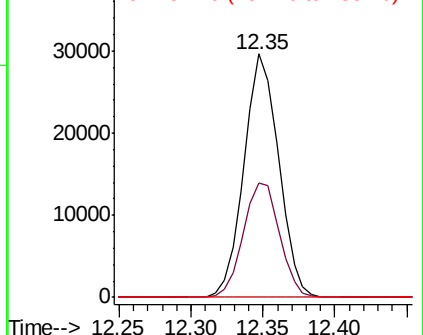


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

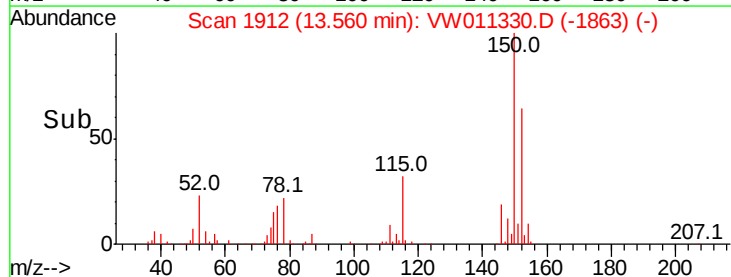
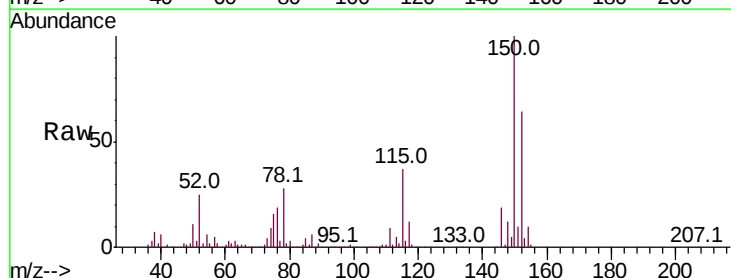
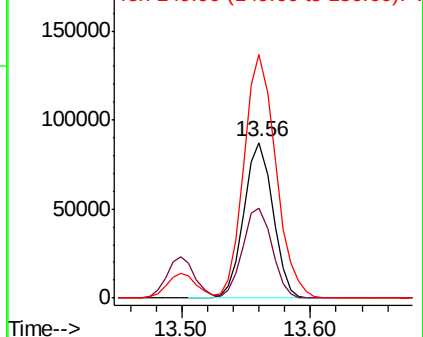
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.1	90.3
150	172.2	0.0	346.0

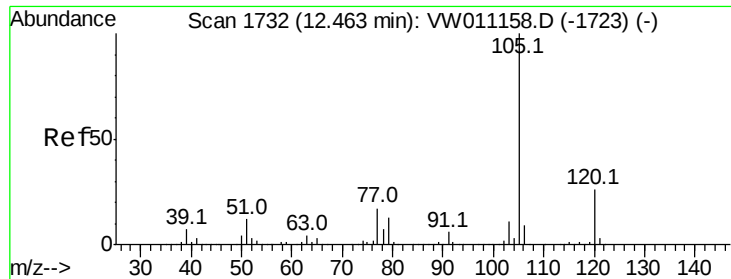
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.264 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 500805

Ion Ratio Lower Upper

105 100

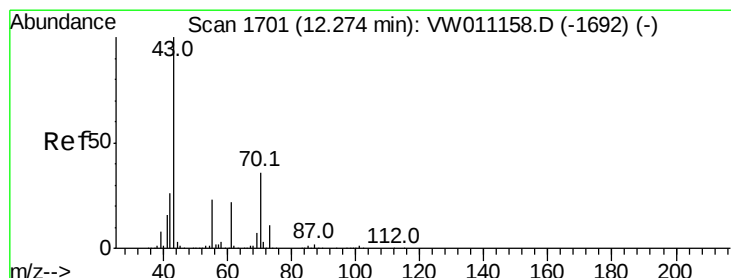
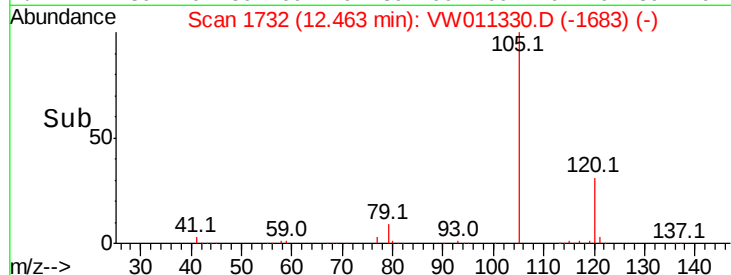
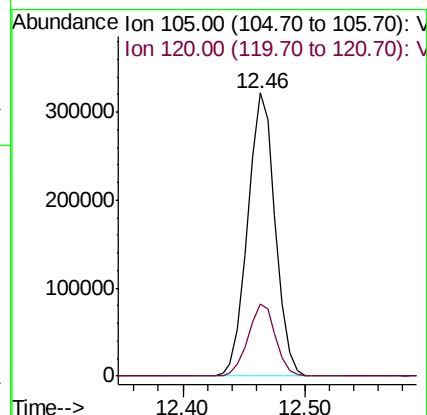
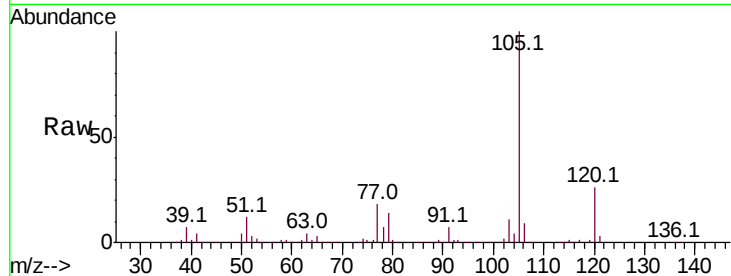
120 25.6 12.8 38.3

Manual Integrations

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7/19/2019 9:53:50 AM



#74

N-ethyl acetate

Concen: 46.845 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion: 43 Resp: 165854

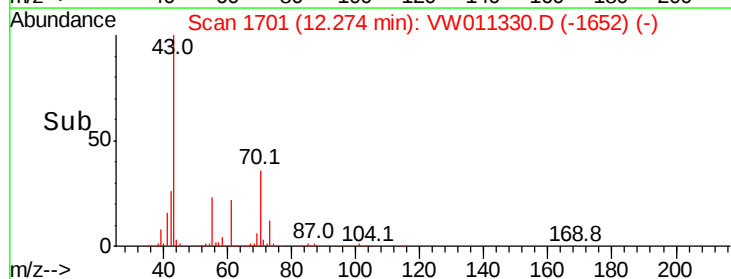
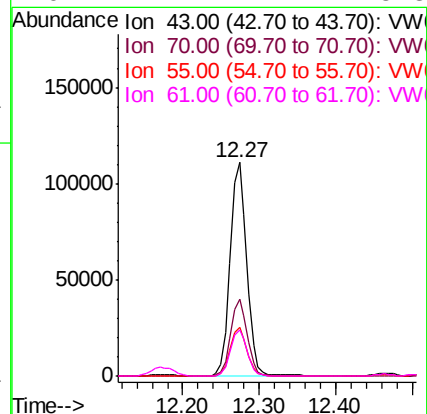
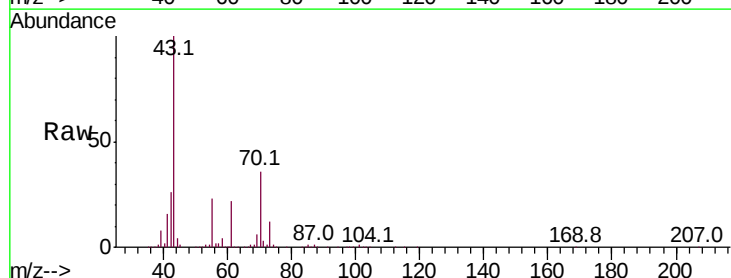
Ion Ratio Lower Upper

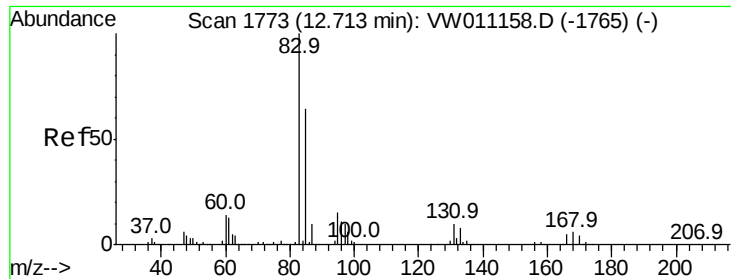
43 100

70 35.7 28.5 42.7

55 23.1 18.1 27.1

61 21.7 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.130 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

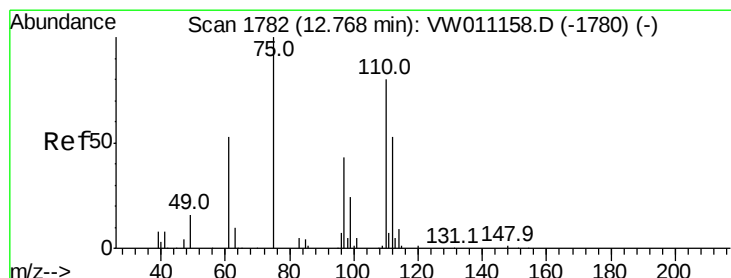
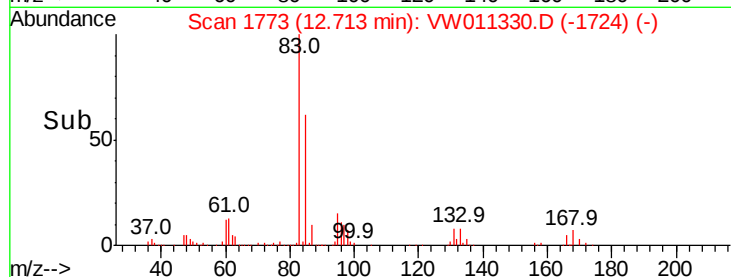
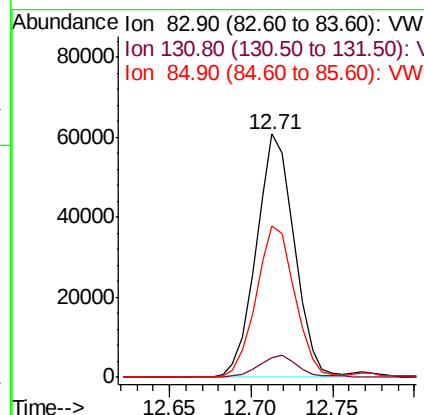
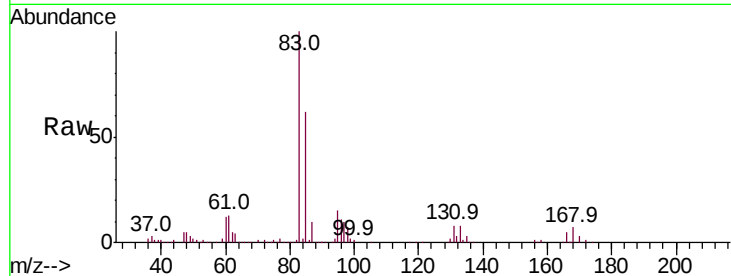
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	98210
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	15.0
85	63.5	31.6	94.8

Manual Integrations
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7/19/2019 9:53:50 AM



#76

1,2,3-Trichloropropane

Concen: 43.272 ug/l m

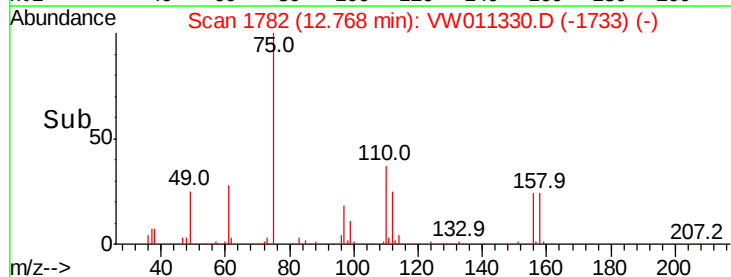
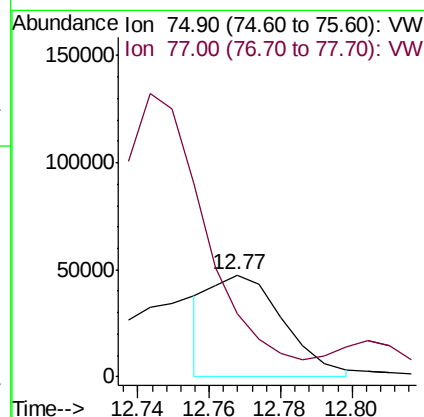
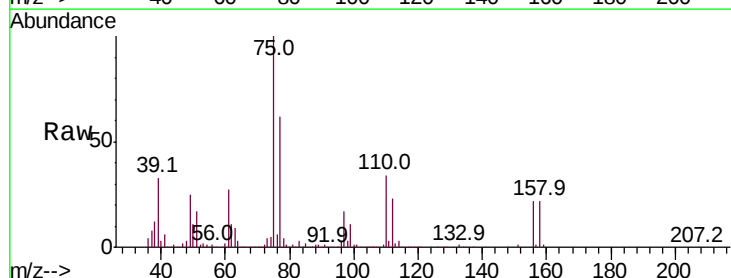
RT: 12.77 min Scan# 1782

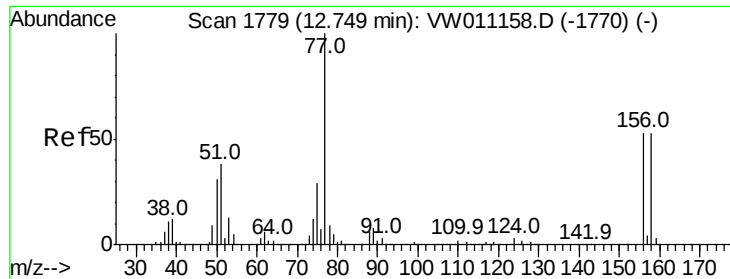
Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion:	75	Resp:	68003
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.480 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

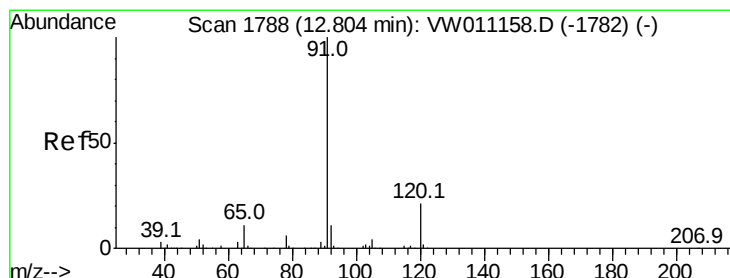
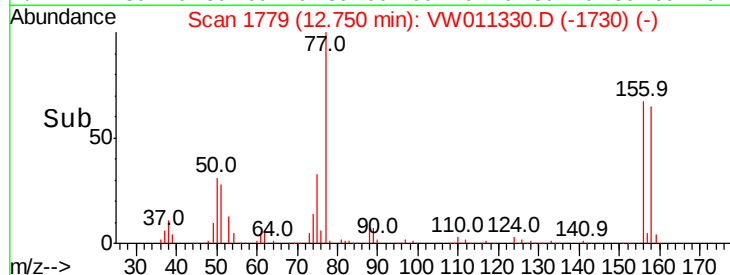
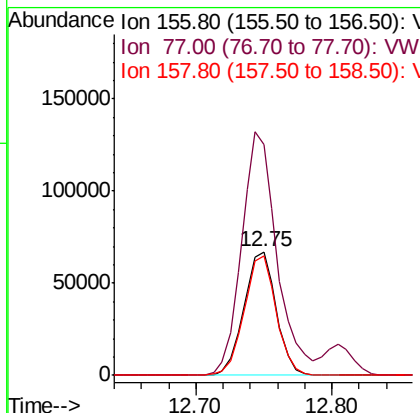
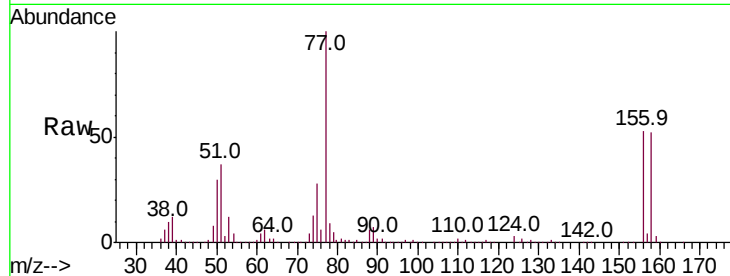
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	110600
Ion Ratio	Lower	Upper	
156	100		
77	216.4	109.0	327.0
158	96.3	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 49.543 ug/l

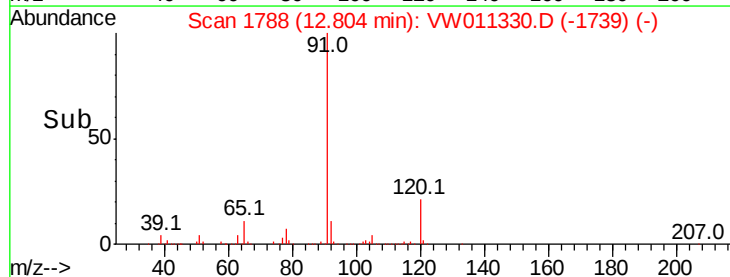
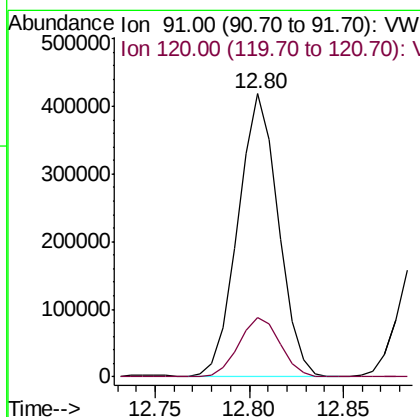
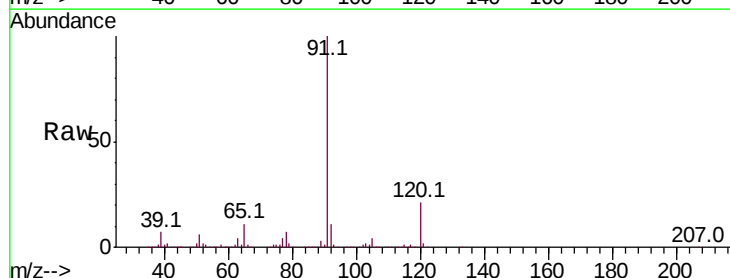
RT: 12.80 min Scan# 1788

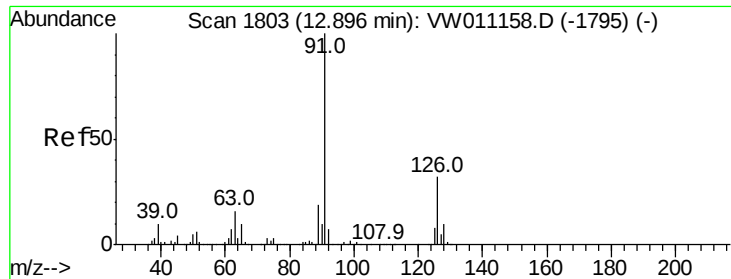
Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion:	91	Resp:	620413
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 49.033 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 353342

Ion Ratio Lower Upper

91 100

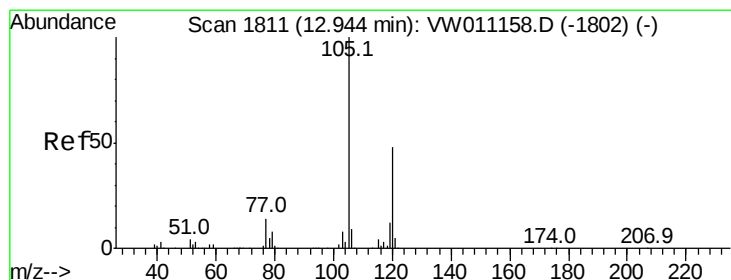
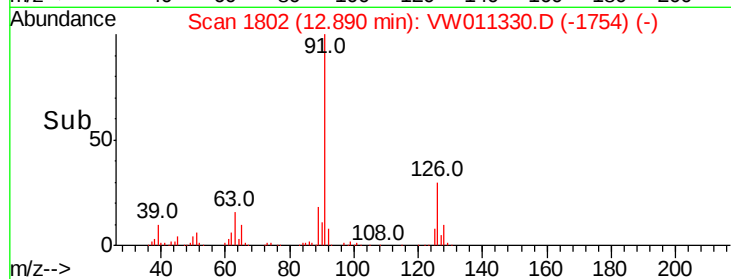
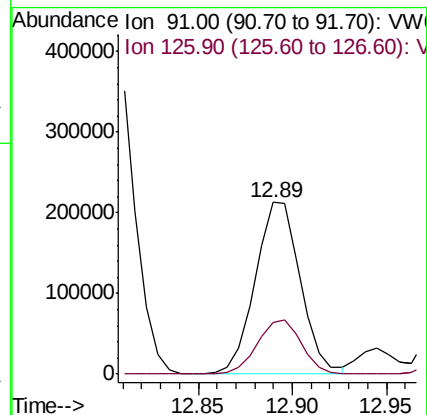
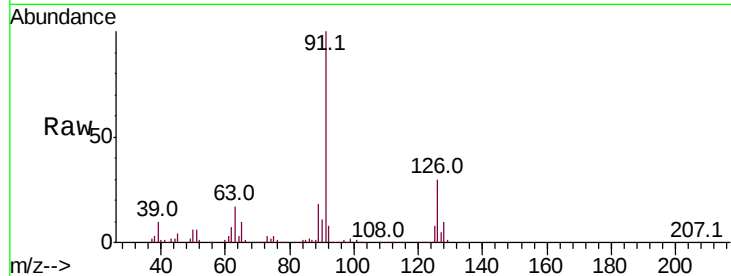
126 31.1 15.8 47.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.235 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011330.D

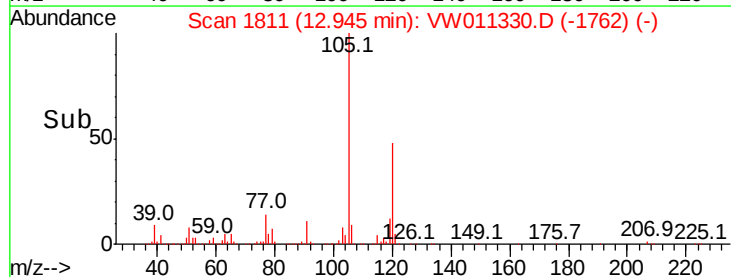
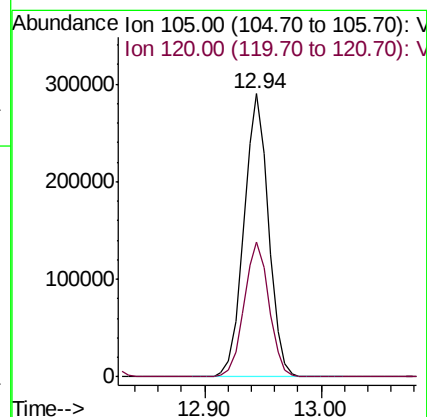
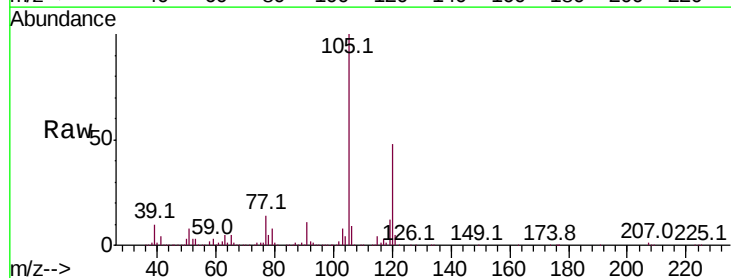
Acq: 18 Jul 2019 10:48

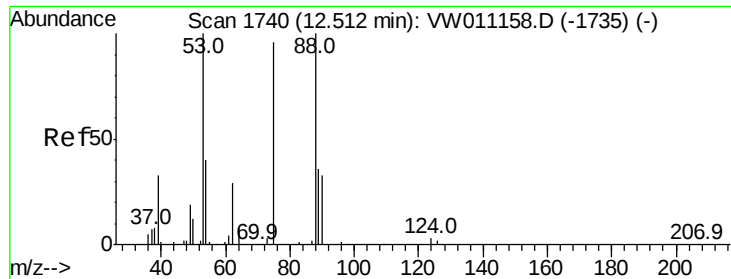
Tgt Ion:105 Resp: 425206

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2





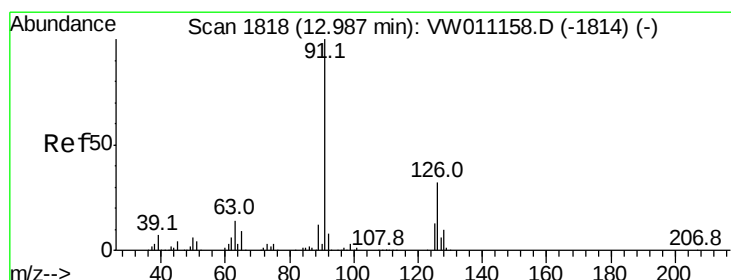
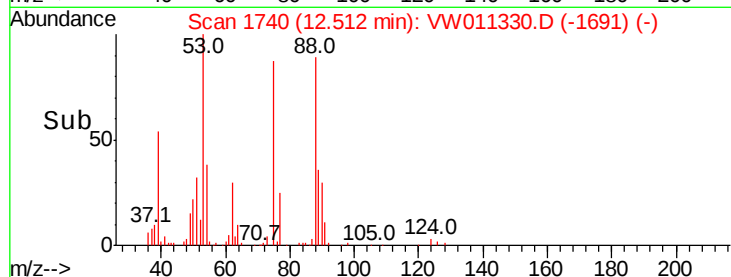
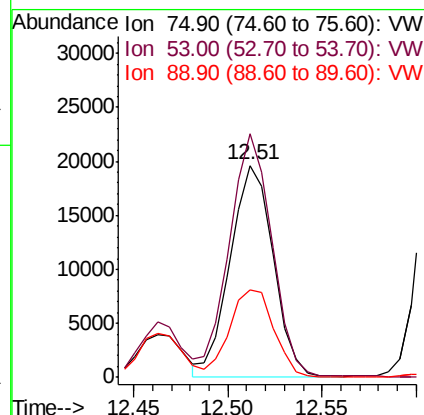
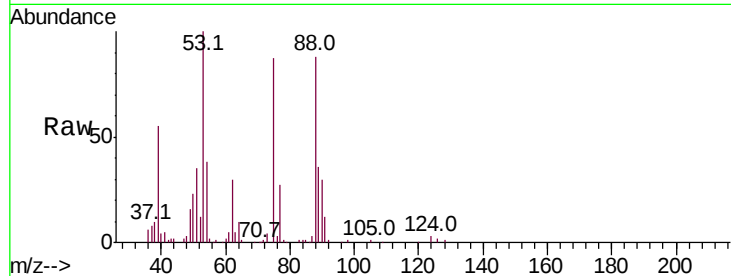
#81
trans-1,4-Dichloro-2-butene
Concen: 44.509 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.7	89.8	134.6
89	42.8	34.3	51.5

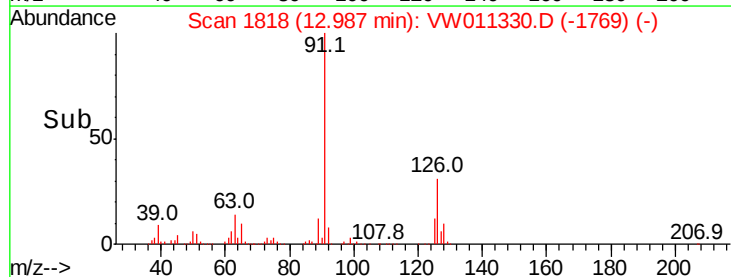
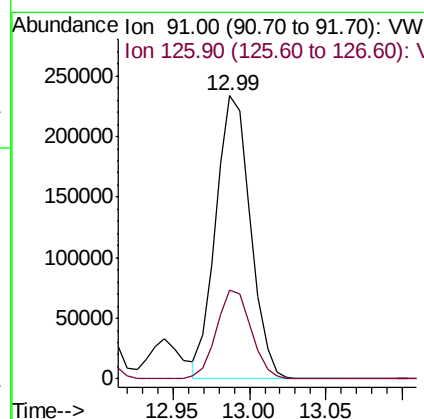
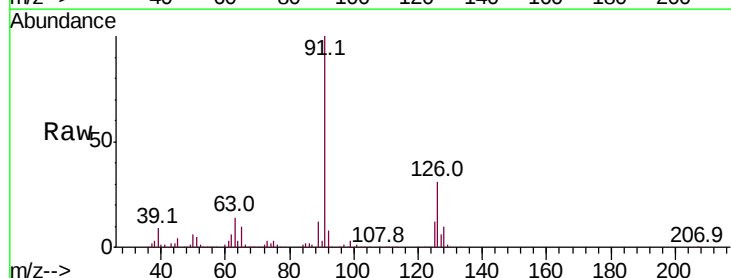
Manual Integrations
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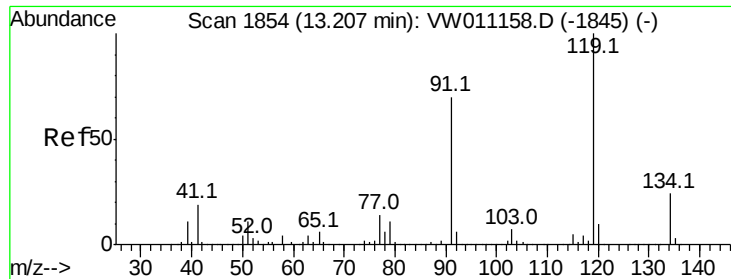
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#82
4-Chlorotoluene
Concen: 48.908 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1





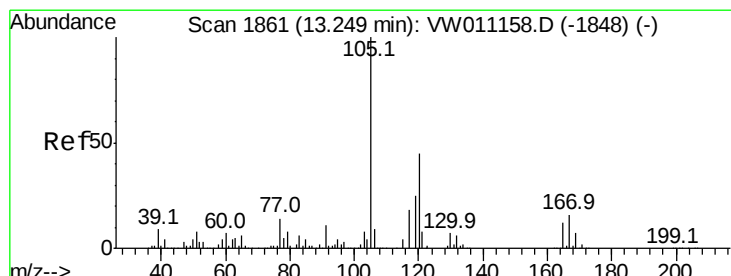
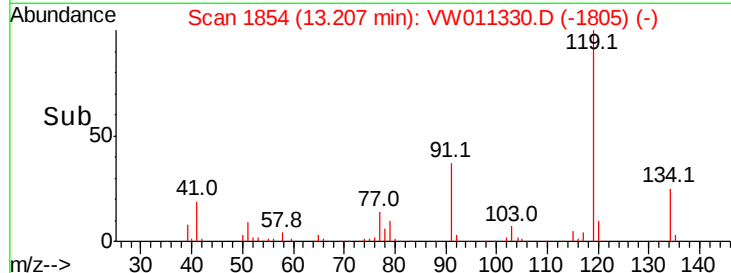
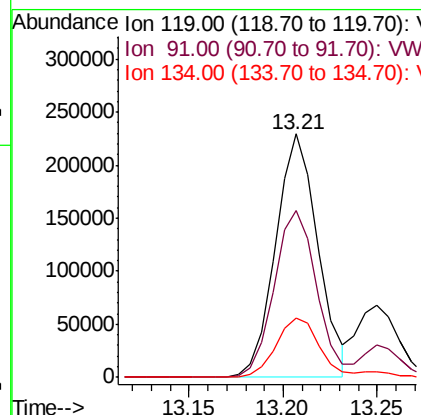
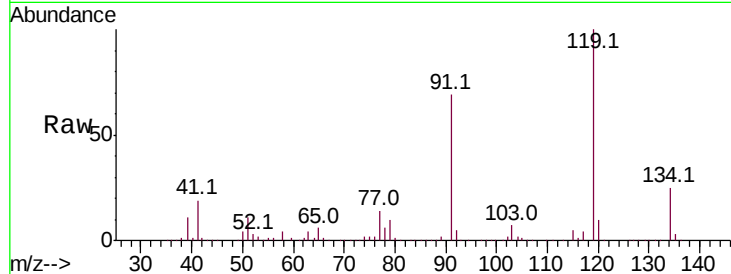
#83
 tert-Butylbenzene
 Concen: 49.536 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:119	Resp:	356786
Ion Ratio	Lower	Upper
119	100	
91	69.9	35.4 106.3
134	24.9	13.4 40.2

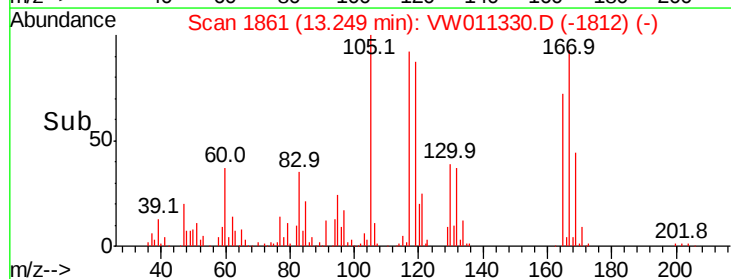
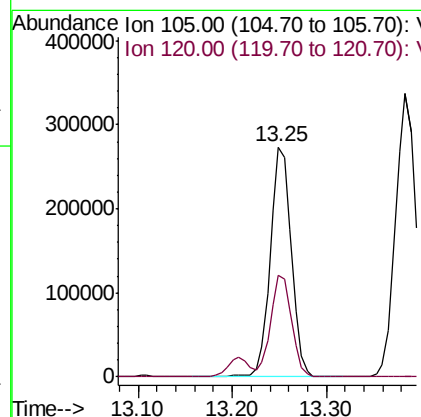
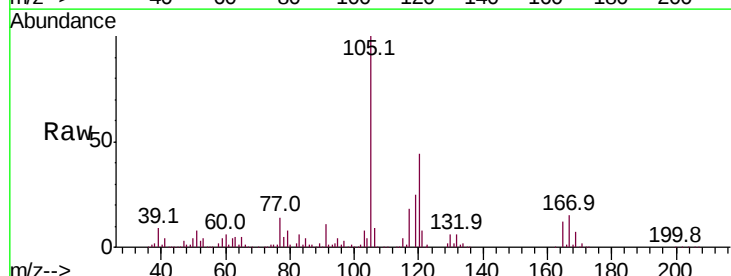
Manual Integrations
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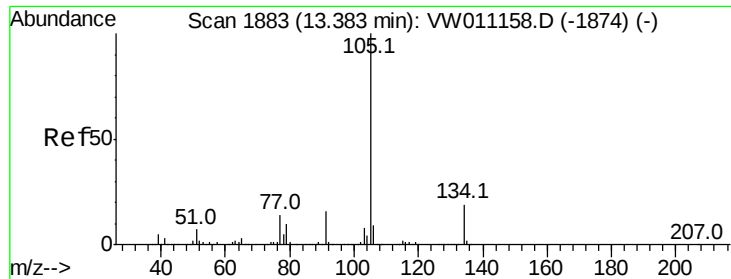
MMDadoda
 7/19/2019 9:53:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.570 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion:105	Resp:	429862
Ion Ratio	Lower	Upper
105	100	
120	43.9	22.3 66.9





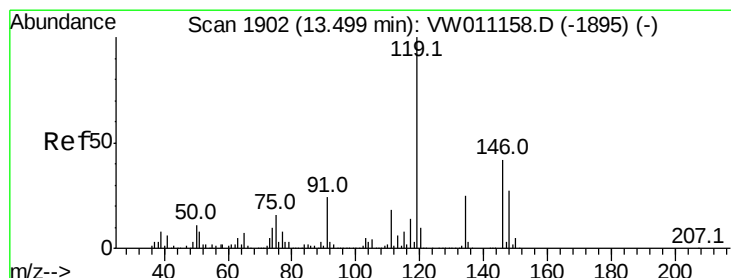
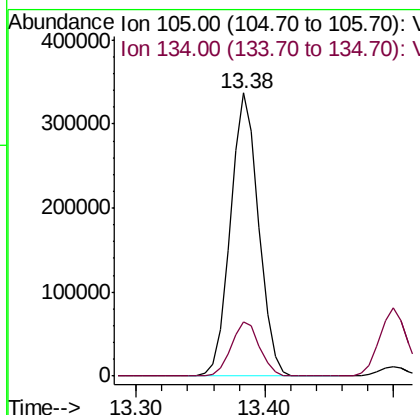
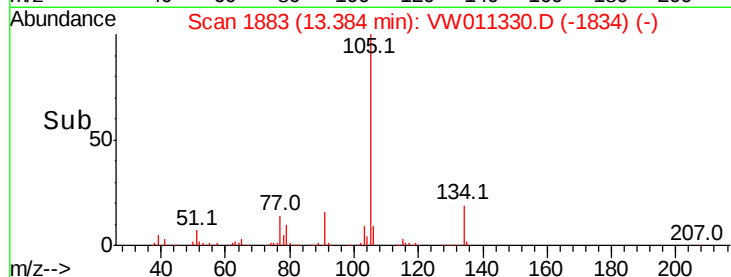
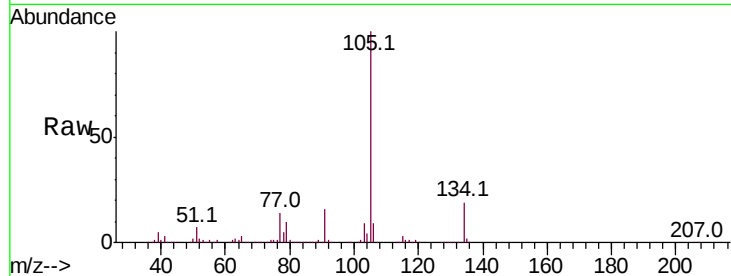
#85
 sec-Butylbenzene
 Concen: 49.252 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9

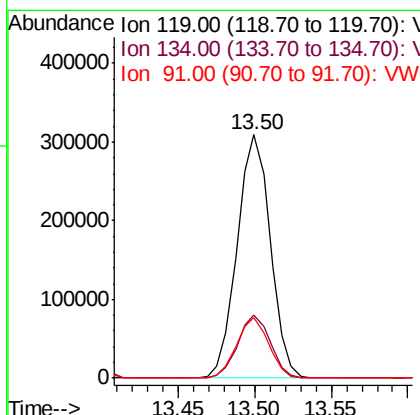
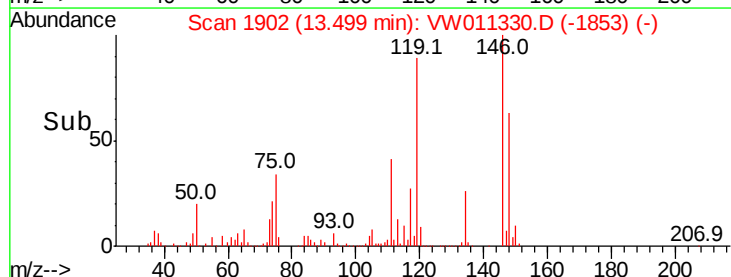
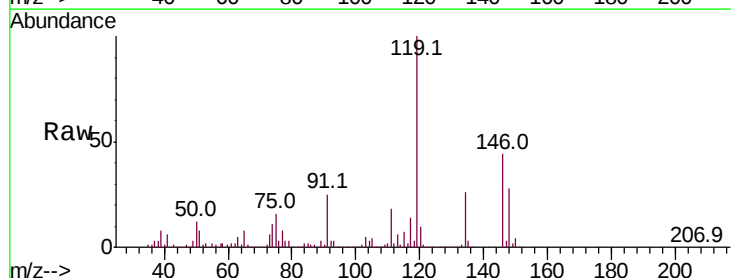
Manual Integrations
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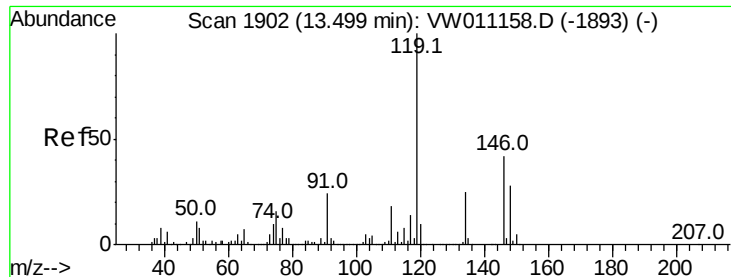
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 7/19/2019 9:53:50 AM



#86
 p-Isopropyltoluene
 Concen: 49.781 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	24.1	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 49.453 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

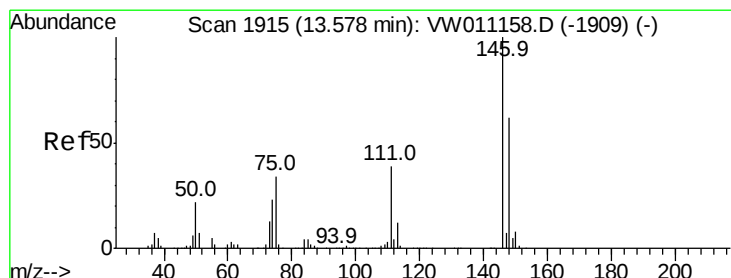
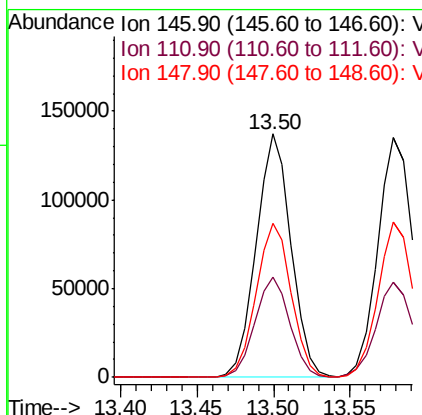
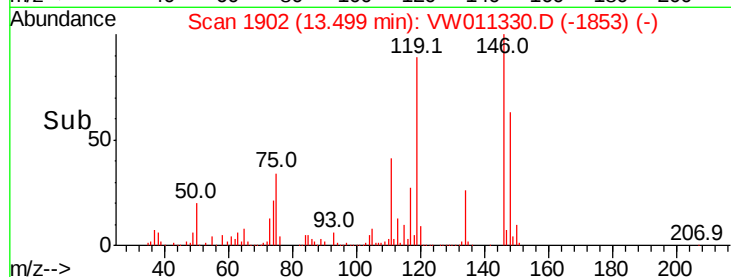
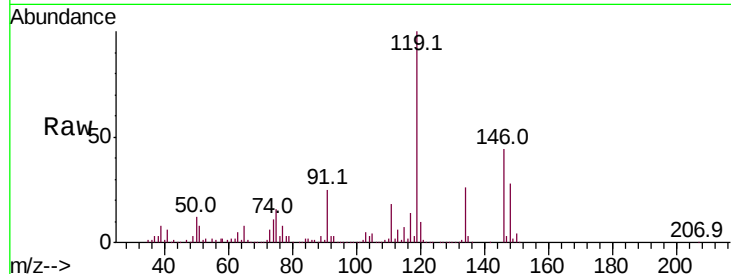
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	217065		
111	41.0	21.1	63.1	
148	63.6	32.6	97.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.520 ug/l

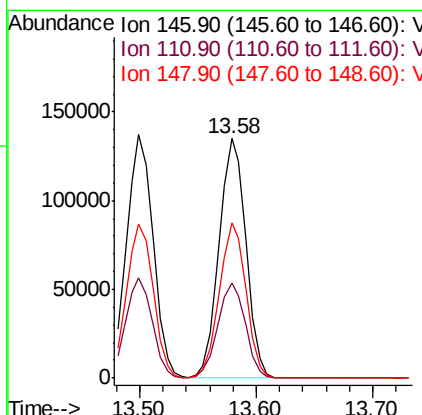
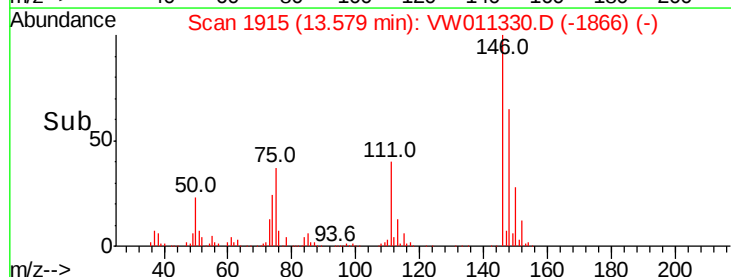
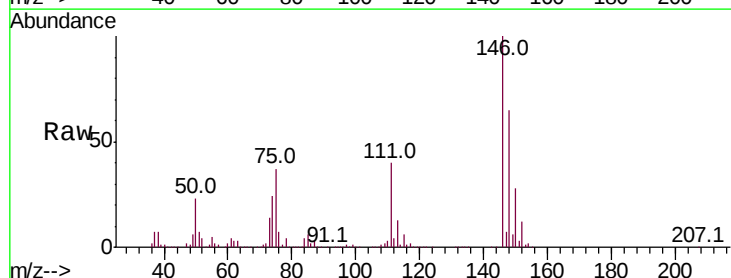
RT: 13.58 min Scan# 1915

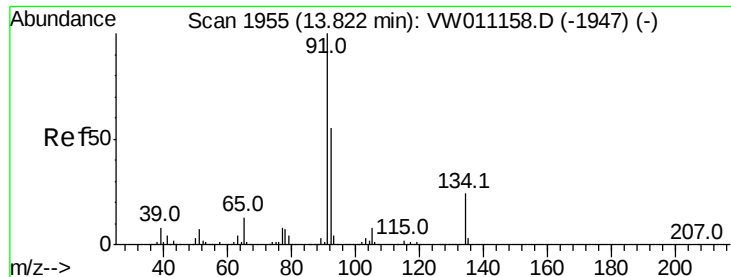
Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	214455		
111	40.4	19.9	59.7	
148	64.3	31.5	94.5	





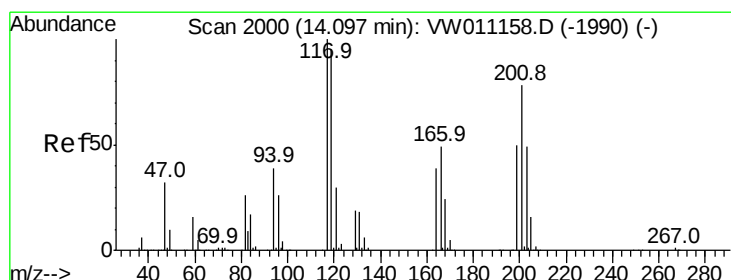
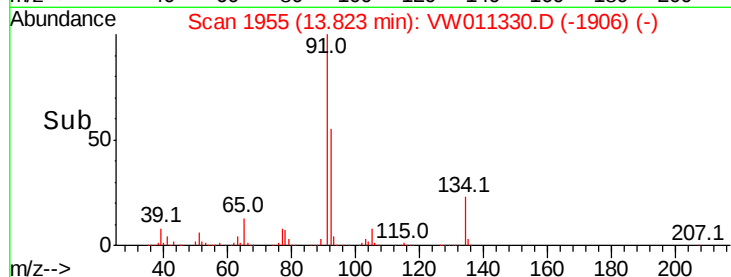
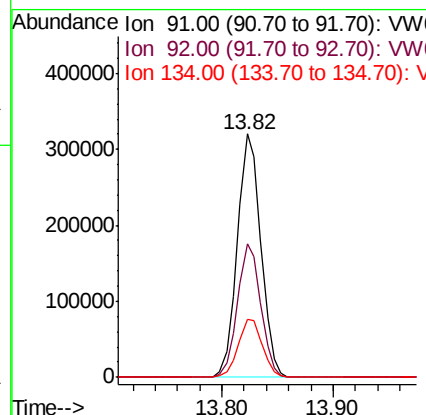
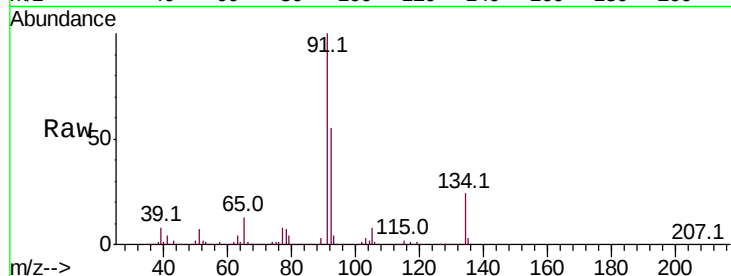
#89
n-Butylbenzene
Concen: 50.291 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.9	80.7
134	24.4	12.2	36.4

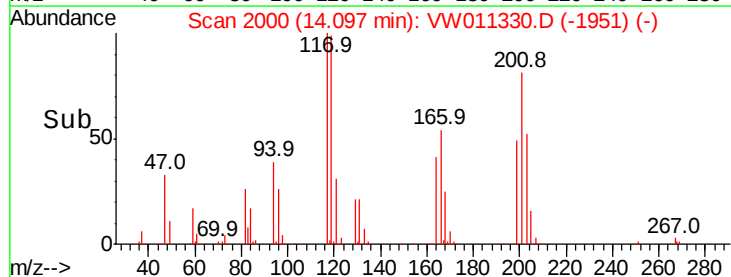
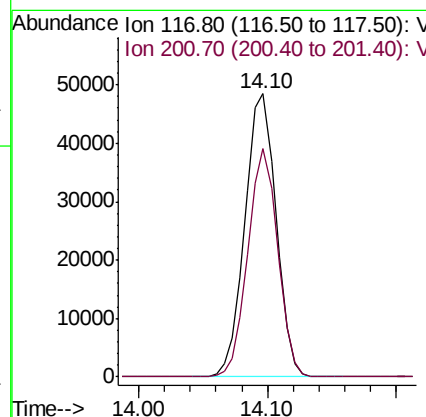
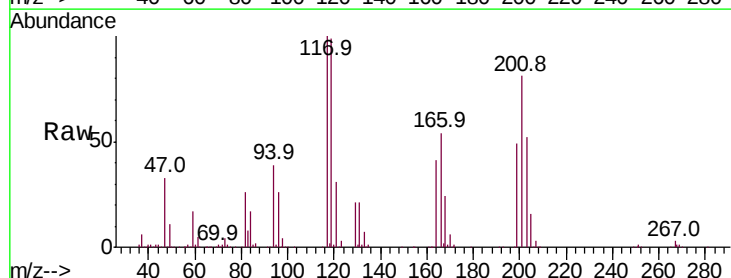
Manual Integrations
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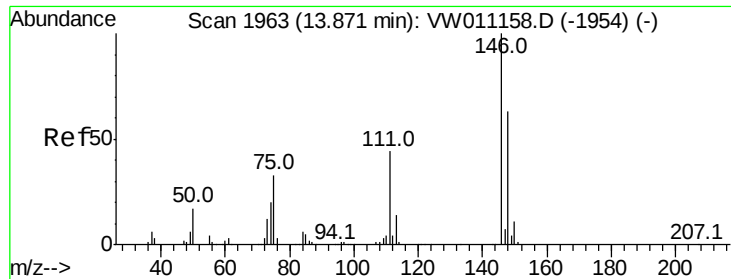
MMDadoda
7/19/2019 9:53:50 AM



#90
Hexachloroethane
Concen: 47.702 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	38.3	114.8





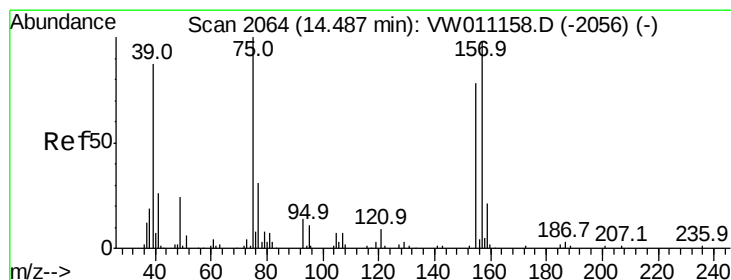
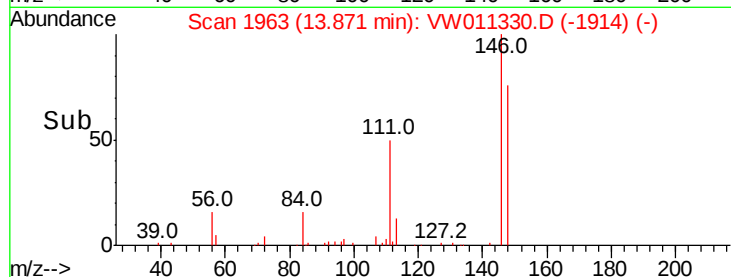
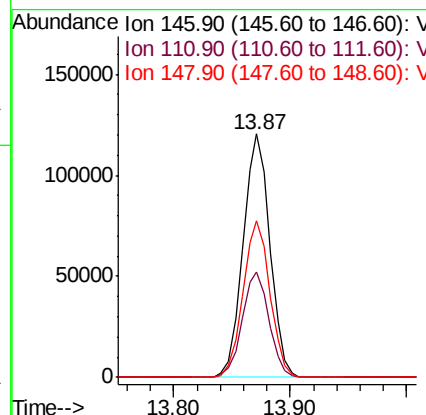
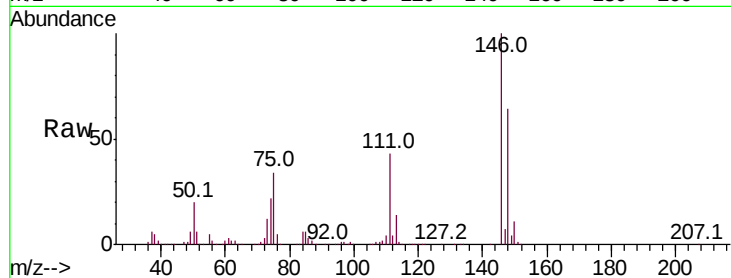
#91
 1,2-Dichlorobenzene
 Concen: 48.470 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	64.5	31.9	95.5

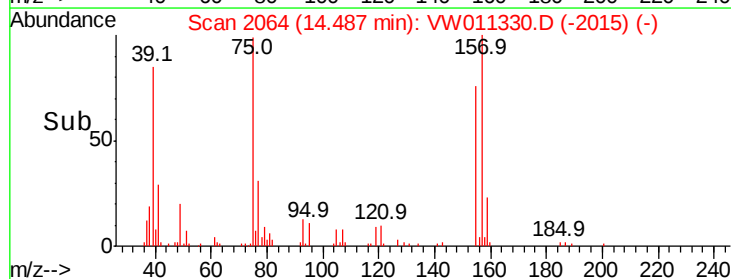
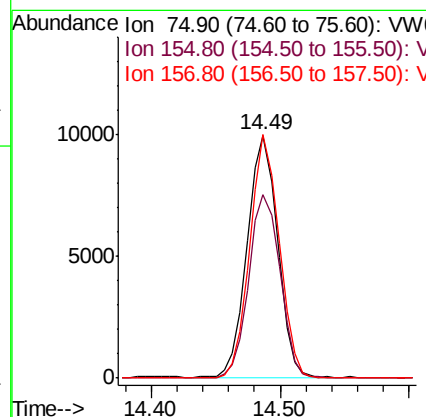
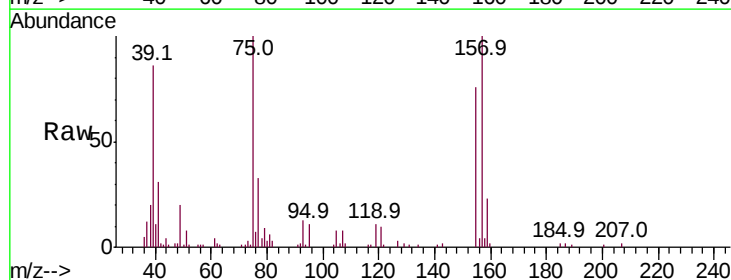
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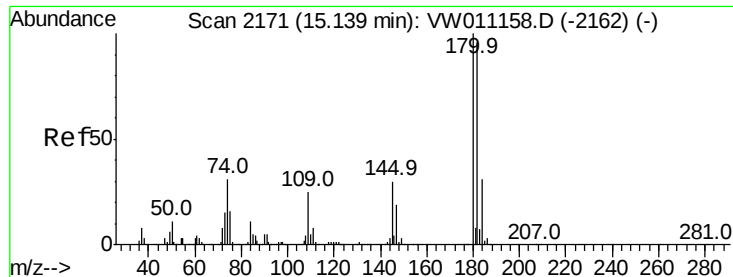
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.321 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	37.1	111.3
157	95.5	48.5	145.6





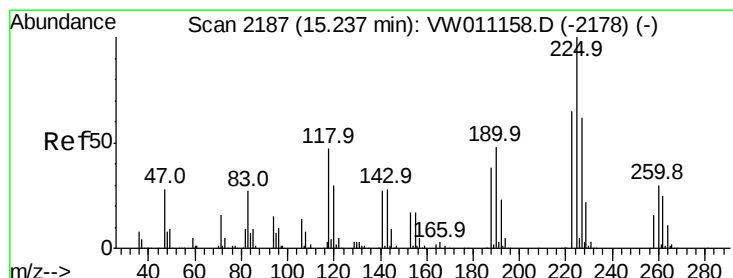
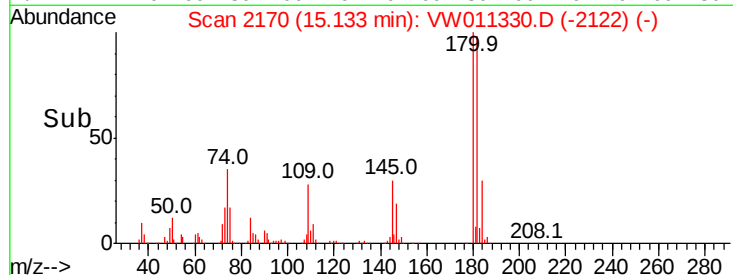
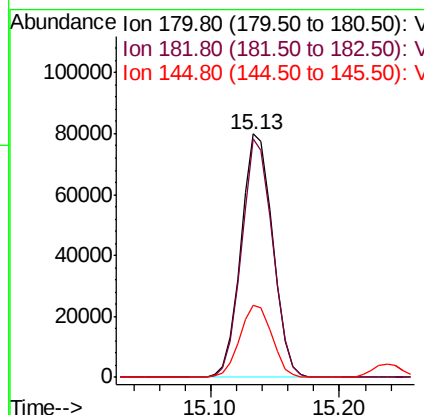
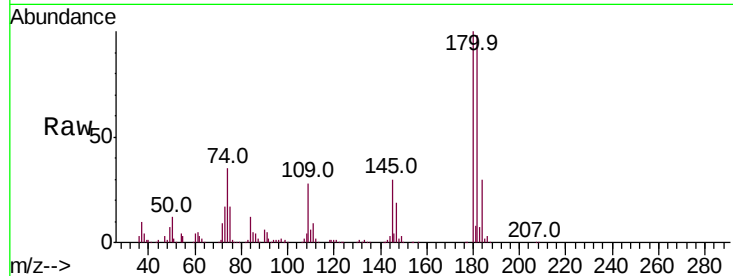
#93
1,2,4-Trichlorobenzene
Concen: 49.239 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	48.3	144.9	
145	30.1	15.5	46.5	

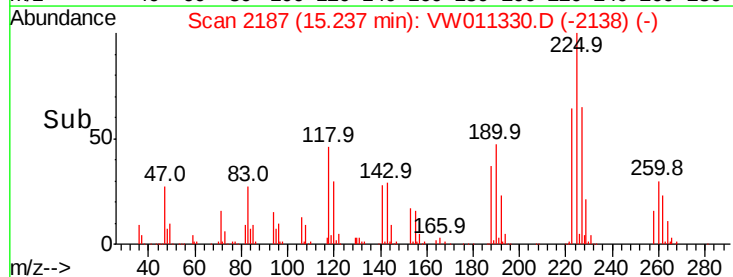
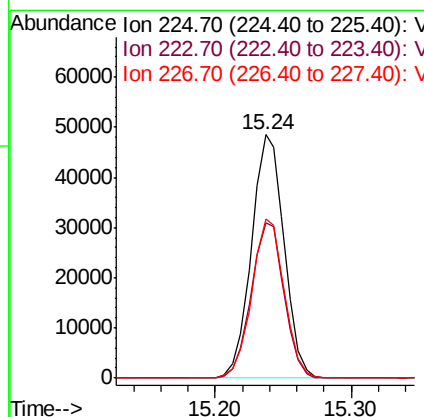
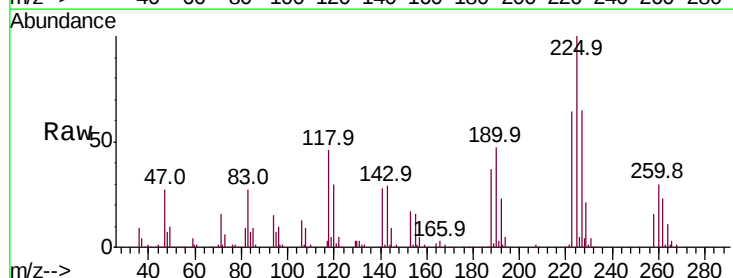
Manual Integrations
APPROVED

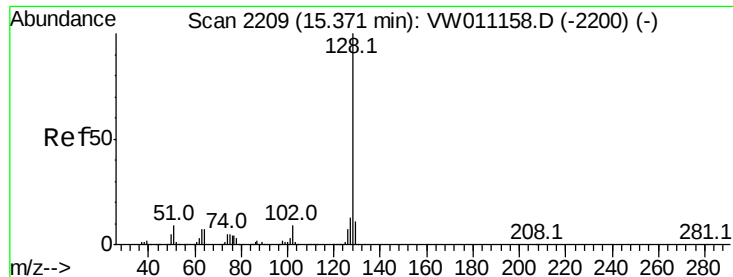
MMDadoda
7/19/2019 9:53:50 AM



#94
Hexachlorobutadiene
Concen: 48.261 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.4	31.6	95.0	
227	65.1	32.0	96.0	





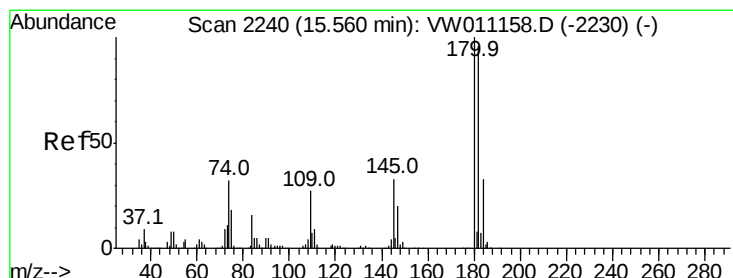
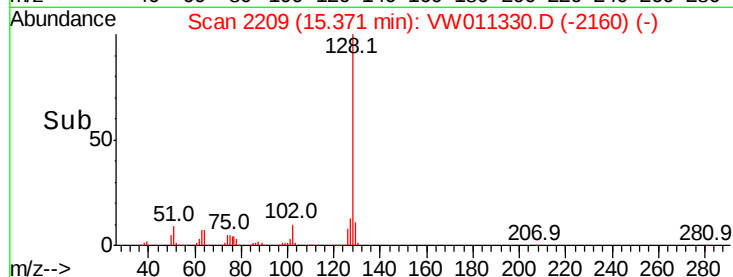
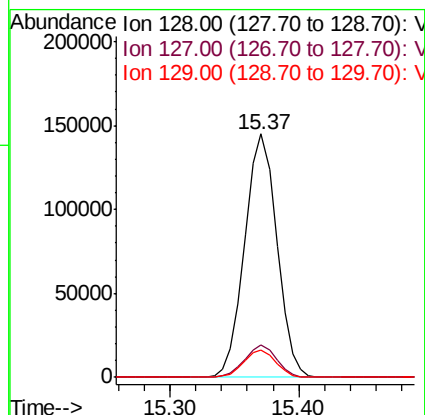
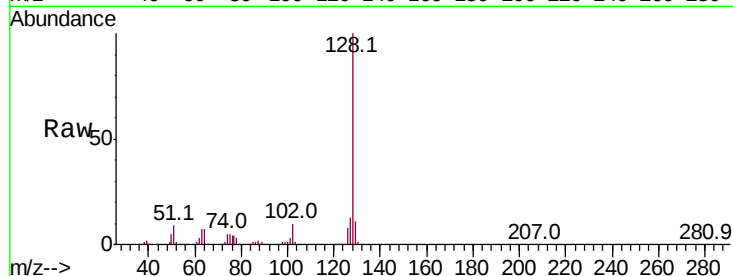
#95
Naphthalene
Concen: 47.767 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	251059		
127	13.1		10.6	16.0
129	11.0		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.371 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	119509		
182	94.6		47.6	142.8
145	31.3		16.5	49.5

