

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011442.D
 Acq On : 23 Jul 2019 19:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:10:43 PM

Quant Time: Jul 24 08:37:48 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	220705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	119628	43.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.28%	
35) Dibromofluoromethane	7.88	113	97288	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
50) Toluene-d8	10.32	98	383548	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
62) 4-Bromofluorobenzene	12.62	95	143054	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	63932	38.840	ug/l	98
3) Chloromethane	2.21	50	97916	46.165	ug/l	98
4) Vinyl Chloride	2.36	62	120883	43.544	ug/l	97
5) Bromomethane	2.77	94	63738	45.691	ug/l	97
6) Chloroethane	2.92	64	69548	46.512	ug/l	99
7) Trichlorofluoromethane	3.25	101	54079	54.835	ug/l	96
8) Diethyl Ether	3.68	74	64887	47.551	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	108905	46.102	ug/l	99
10) Methyl Iodide	4.27	142	152732	47.009	ug/l	99
11) Tert butyl alcohol	5.17	59	47616	231.909	ug/l	98
12) 1,1-Dichloroethene	4.04	96	112683	45.959	ug/l	91
13) Acrolein	3.89	56	42303	258.740	ug/l	97
14) Allyl chloride	4.66	41	237532	53.127	ug/l	98
15) Acrylonitrile	5.36	53	172354	248.006	ug/l	99
16) Acetone	4.12	43	191336	286.743	ug/l	100
17) Carbon Disulfide	4.38	76	333619	44.883	ug/l	99
18) Methyl Acetate	4.67	43	84803	44.536	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	189729	51.000	ug/l	100
20) Methylene Chloride	4.92	84	127721	48.520	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	122498	48.083	ug/l	96
22) Diisopropyl ether	6.31	45	475240	49.420	ug/l	99
23) Vinyl Acetate	6.25	43	1548852	260.258	ug/l	100
24) 1,1-Dichloroethane	6.21	63	251566	49.819	ug/l	100
25) 2-Butanone	7.17	43	272280	259.947	ug/l	99
26) 2,2-Dichloropropane	7.17	77	136723	52.088	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	134874	49.077	ug/l	98
28) Bromochloromethane	7.51	49	108710	47.346	ug/l	99
29) Tetrahydrofuran	7.52	42	164495	239.503	ug/l	100
30) Chloroform	7.68	83	227158	48.575	ug/l	99
31) Cyclohexane	7.95	56	235693	43.874	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	172717	48.552	ug/l	99
36) 1,1-Dichloropropene	8.08	75	184455	48.147	ug/l	99
37) Ethyl Acetate	7.25	43	113485	49.302	ug/l	99
38) Carbon Tetrachloride	8.06	117	160089	49.293	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	217540	46.848	ug/l	98
40) Benzene	8.32	78	520223	49.134	ug/l	99
41) Methacrylonitrile	7.48	41	68795	52.256	ug/l	92
42) 1,2-Dichloroethane	8.40	62	166614	48.510	ug/l	100
43) Isopropyl Acetate	8.42	43	210393	48.413	ug/l	99
44) Trichloroethene	9.09	130	123659	48.535	ug/l	98
45) 1,2-Dichloropropane	9.37	63	143343	49.996	ug/l	98
46) Dibromomethane	9.46	93	65860	48.900	ug/l	99
47) Bromodichloromethane	9.65	83	169728	49.252	ug/l	98
48) Methyl methacrylate	9.43	41	102562	49.055	ug/l	98
49) 1,4-Dioxane	9.45	88	20998	934.036	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	548424	241.580	ug/l	100
52) Toluene	10.38	92	316389	49.261	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	179801	49.017	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	210171	48.678	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	93842	49.114	ug/l	97
56) Ethyl methacrylate	10.65	69	142013	48.819	ug/l	98
57) 1,3-Dichloropropane	10.93	76	177089	49.013	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	320891	237.943	ug/l	100
59) 2-Hexanone	10.97	43	390056	247.757	ug/l	99
60) Dibromochloromethane	11.13	129	103971	49.623	ug/l	100
61) 1,2-Dibromoethane	11.23	107	88068	48.660	ug/l	100
64) Tetrachloroethene	10.86	164	102864	47.806	ug/l	99
65) Chlorobenzene	11.66	112	318904	49.190	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	113042	49.521	ug/l	99
67) Ethyl Benzene	11.73	91	610589	49.197	ug/l	99
68) m/p-Xylenes	11.84	106	442140	98.454	ug/l	100
69) o-Xylene	12.16	106	207605	49.048	ug/l	100
70) Styrene	12.18	104	365552	50.042	ug/l	100
71) Bromoform	12.35	173	58723	48.384	ug/l	# 100
73) Isopropylbenzene	12.46	105	581071	50.288	ug/l	100
74) N-amyl acetate	12.27	43	193101	47.984	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	113537	47.935	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	80016m	44.795	ug/l	
77) Bromobenzene	12.75	156	127952	49.343	ug/l	99
78) n-propylbenzene	12.80	91	705303	49.551	ug/l	100
79) 2-Chlorotoluene	12.89	91	400600	48.908	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	489062	49.821	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36491	46.205	ug/l	99
82) 4-Chlorotoluene	12.99	91	424138	49.715	ug/l	100
83) tert-Butylbenzene	13.21	119	409777	50.053	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	490112	49.723	ug/l	99
85) sec-Butylbenzene	13.38	105	587261	49.712	ug/l	100
86) p-Isopropyltoluene	13.50	119	529438	49.968	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	247427	49.593	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	244866	48.740	ug/l	98
89) n-Butylbenzene	13.82	91	520425	49.237	ug/l	99
90) Hexachloroethane	14.10	117	94878	49.003	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	220722	48.765	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19066	45.381	ug/l	97

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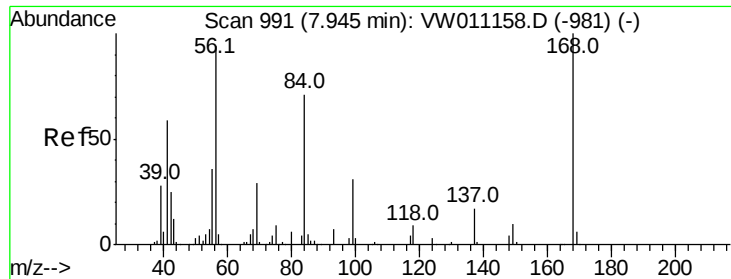
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	152426	48.893	ug/l	98
94) Hexachlorobutadiene	15.24	225	94548	49.399	ug/l	99
95) Naphthalene	15.37	128	291567	48.805	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	134037	48.716	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 220705

Ion Ratio Lower Upper

168 100

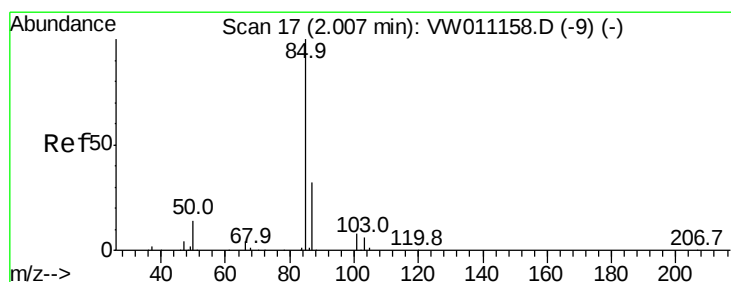
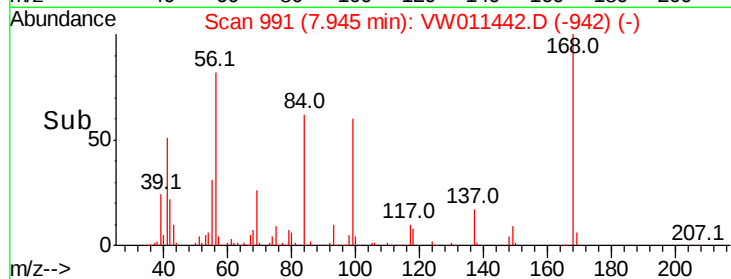
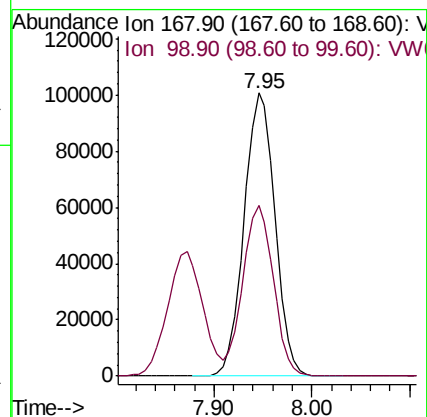
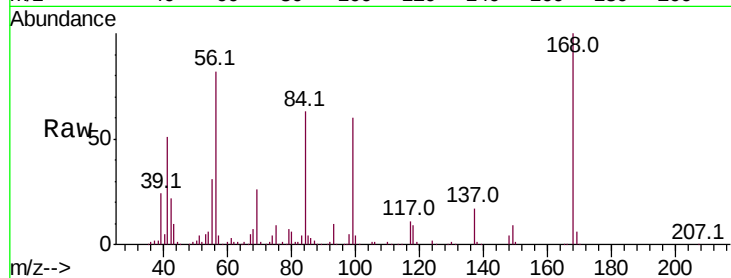
99 60.4 50.1 75.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 38.840 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011442.D

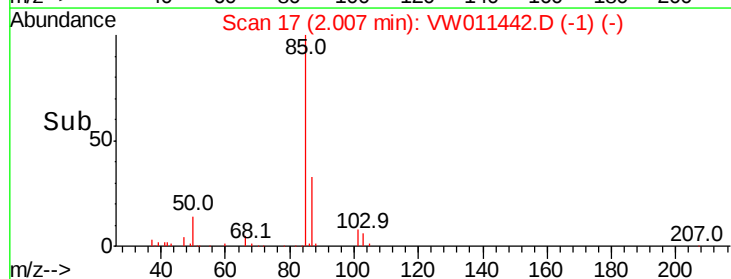
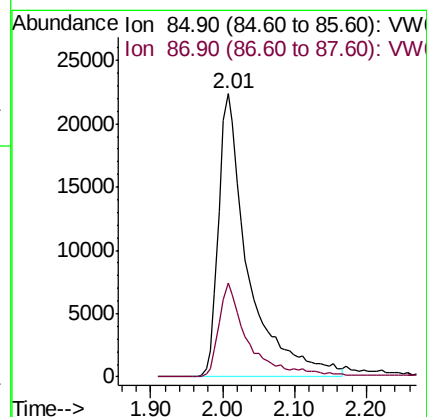
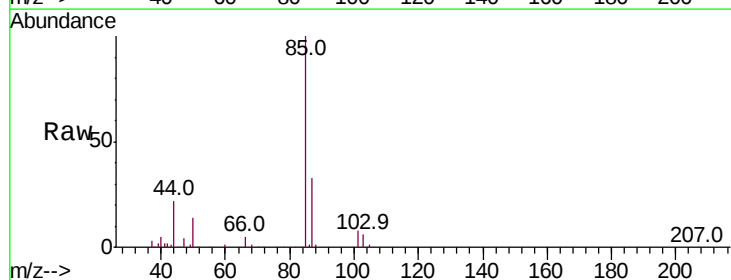
Acq: 23 Jul 2019 19:34

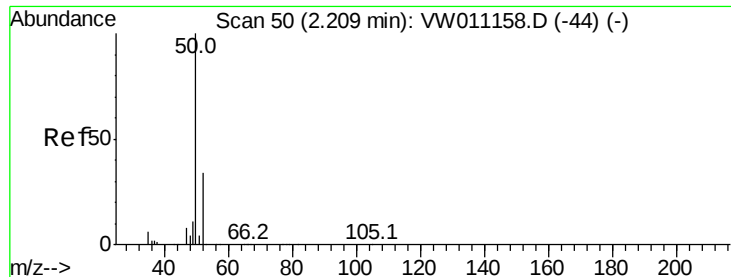
Tgt Ion: 85 Resp: 63932

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6





#3

Chloromethane

Concen: 46.165 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 97916

Ion Ratio Lower Upper

50 100

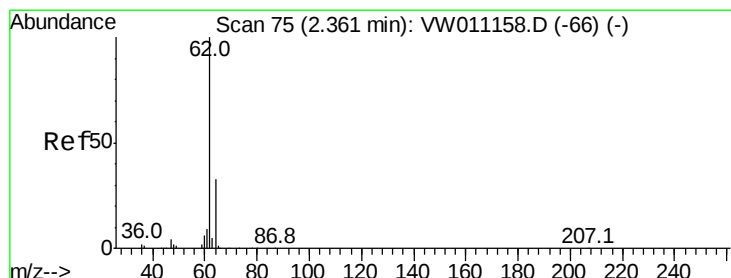
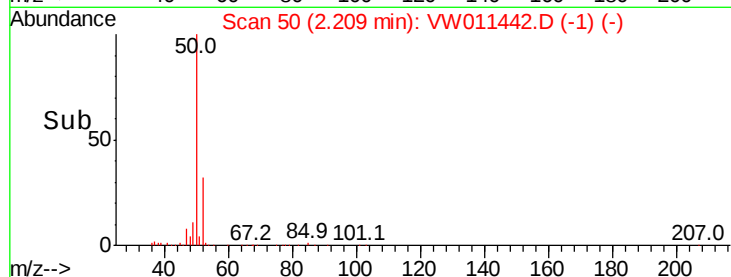
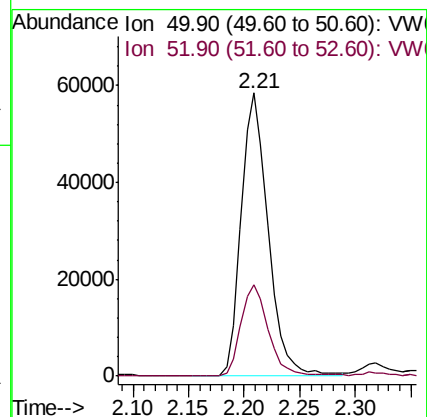
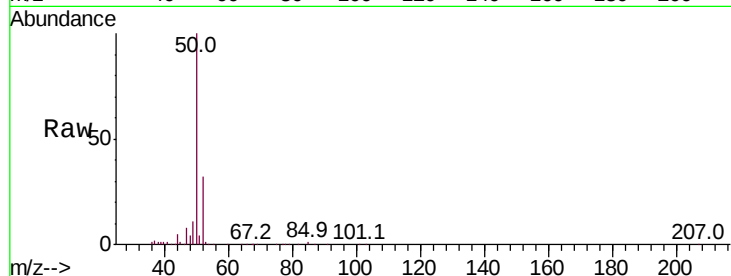
52 32.5 26.9 40.3

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#4

Vinyl Chloride

Concen: 43.544 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011442.D

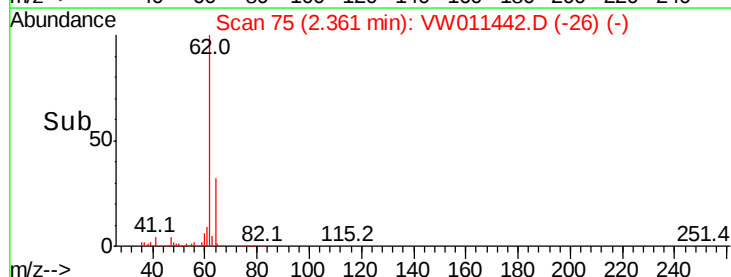
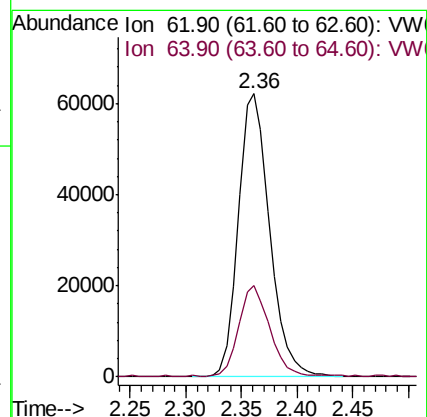
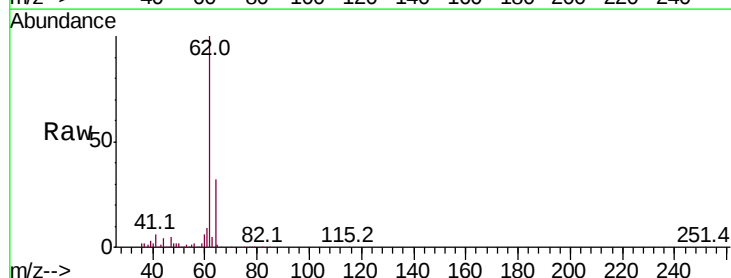
Acq: 23 Jul 2019 19:34

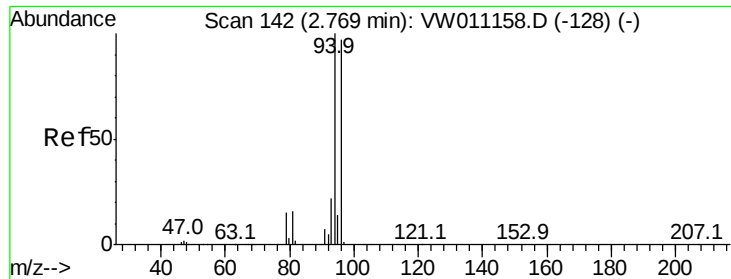
Tgt Ion: 62 Resp: 120883

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 45.691 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63738

Ion Ratio Lower Upper

94 100

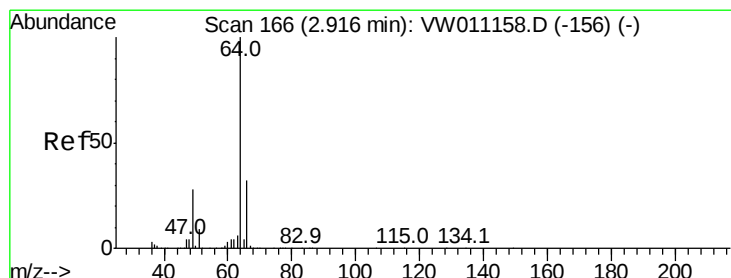
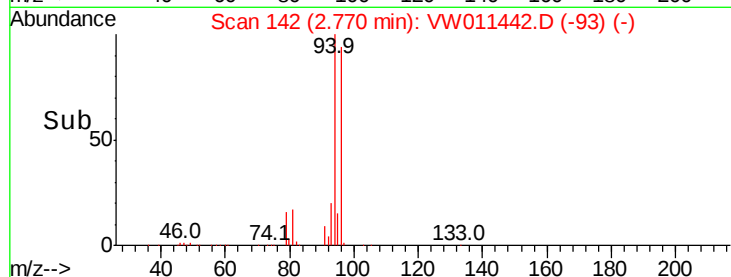
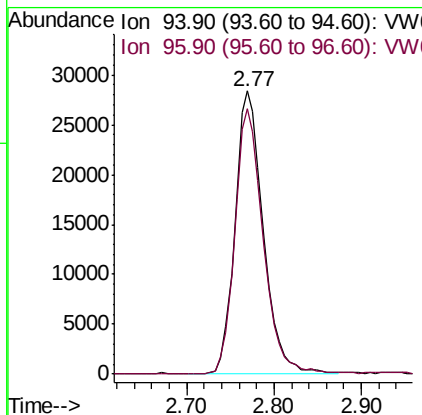
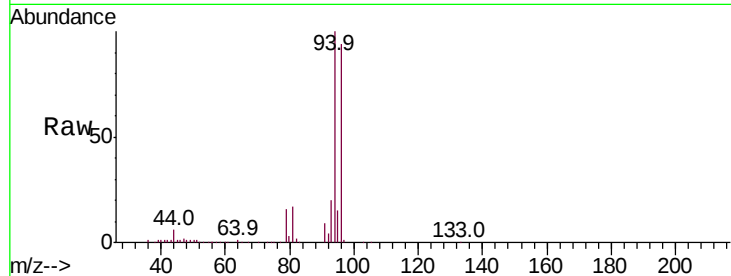
96 93.9 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 46.512 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011442.D

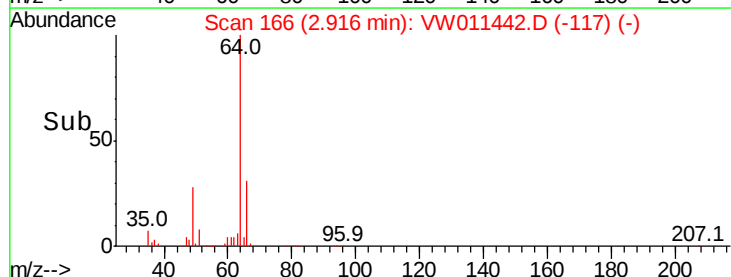
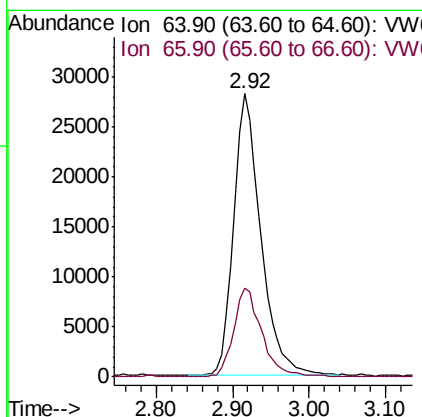
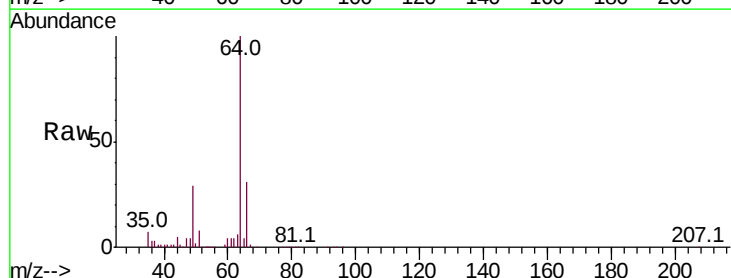
Acq: 23 Jul 2019 19:34

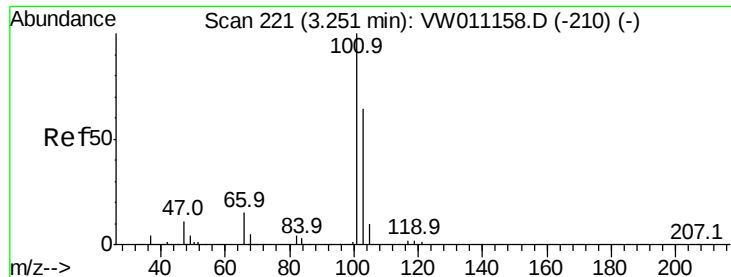
Tgt Ion: 64 Resp: 69548

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.8





#7

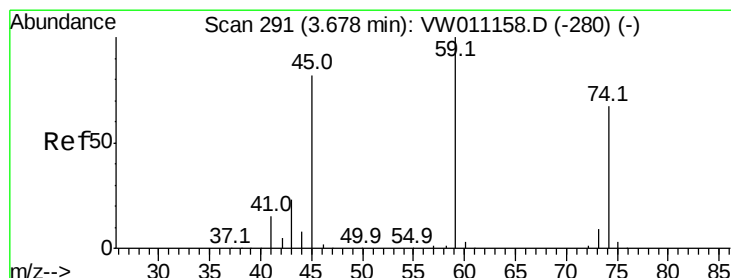
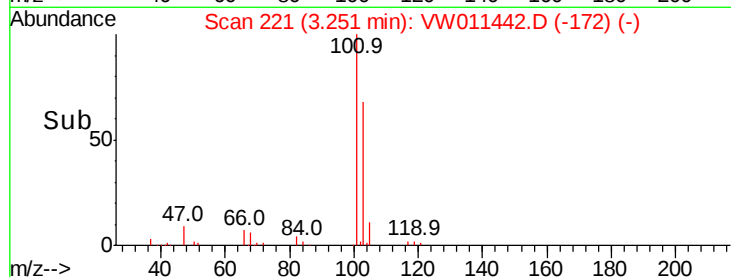
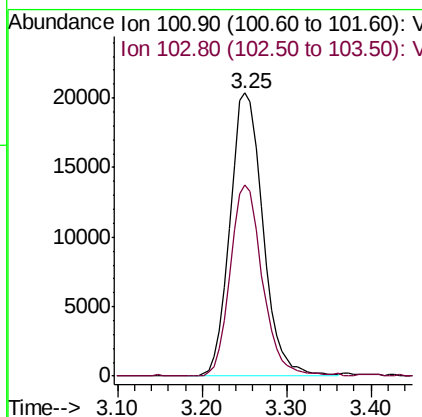
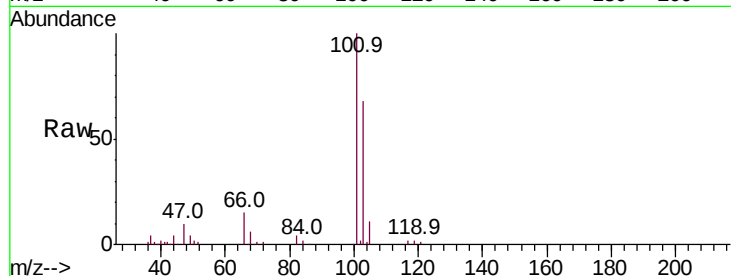
Trichlorofluoromethane
Concen: 54.835 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	51.3	76.9

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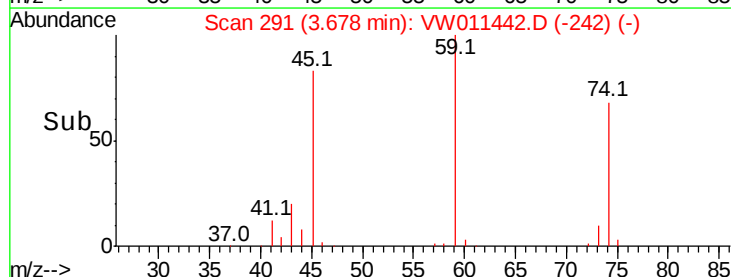
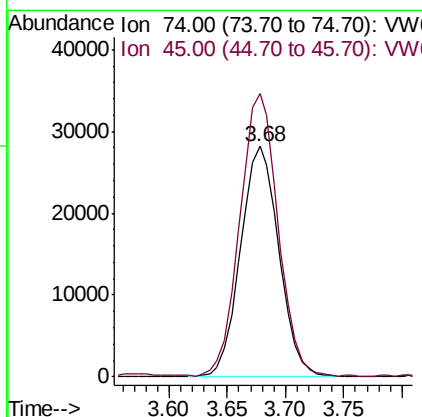
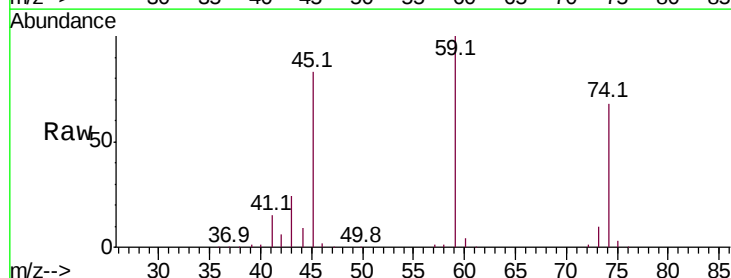
MMDadoda
7/25/2019 3:10:43 PM

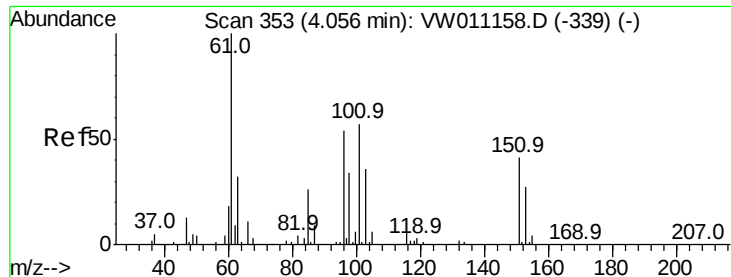


#8

Diethyl Ether
Concen: 47.551 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.7	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.102 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

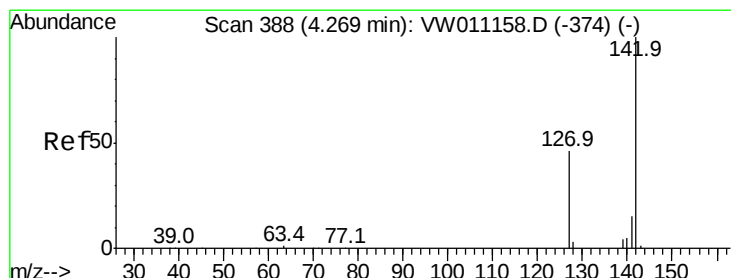
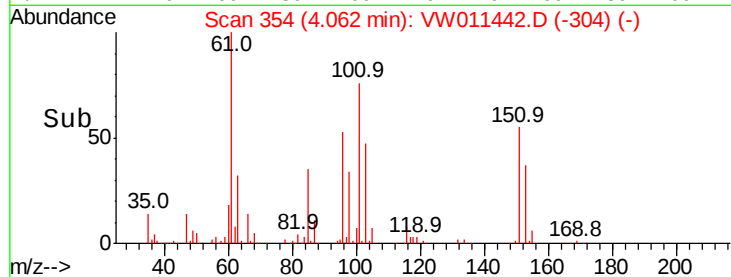
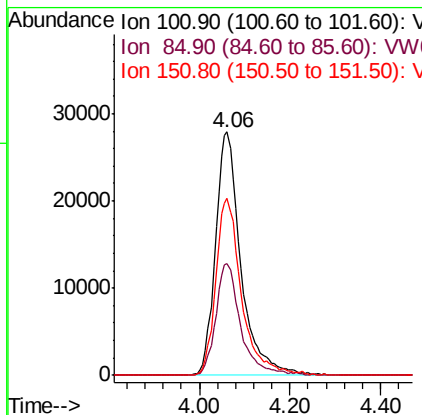
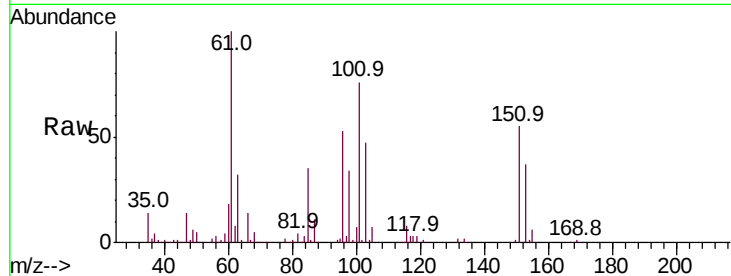
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	108905
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.5	54.7
151	73.9	59.1	88.7

Manual Integrations
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7/25/2019 3:10:43 PM



#10

Methyl Iodide

Concen: 47.009 ug/l

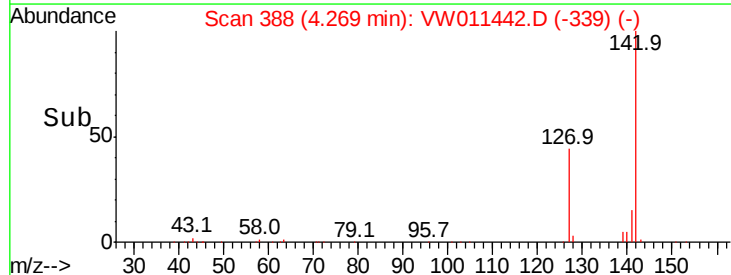
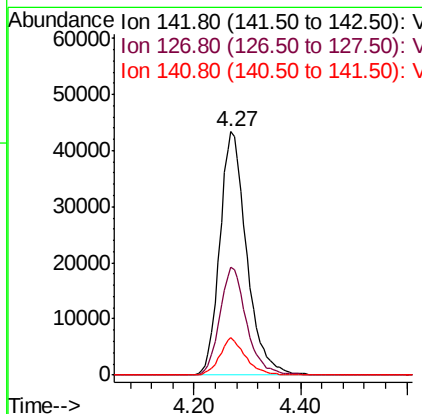
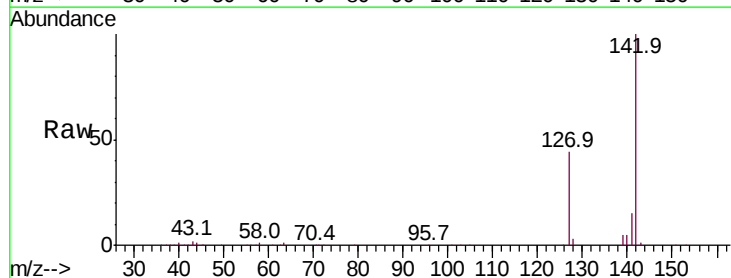
RT: 4.27 min Scan# 388

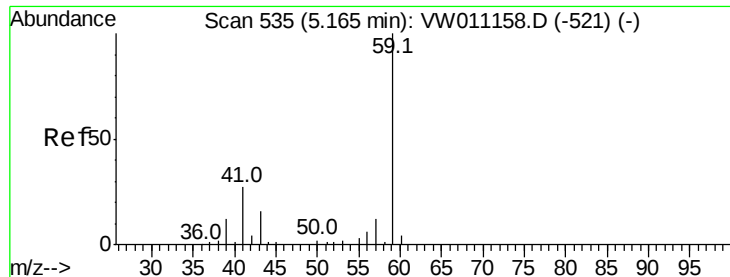
Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion:	142	Resp:	152732
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.7	53.5
141	14.5	11.5	17.3





#11

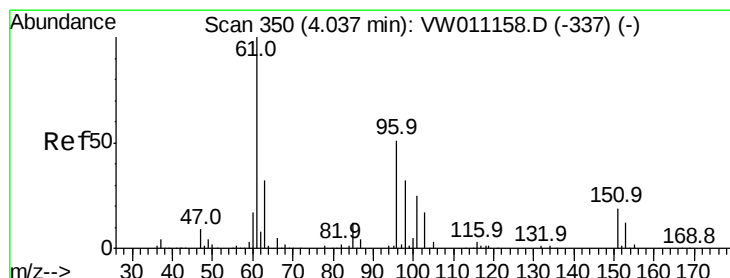
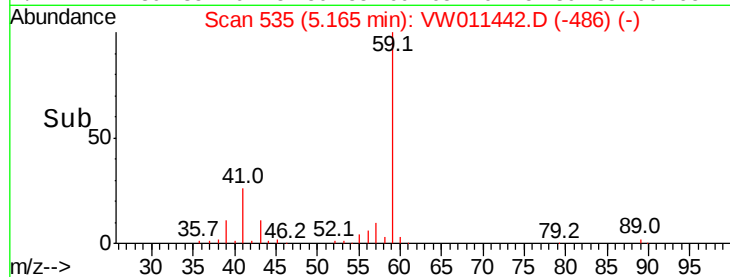
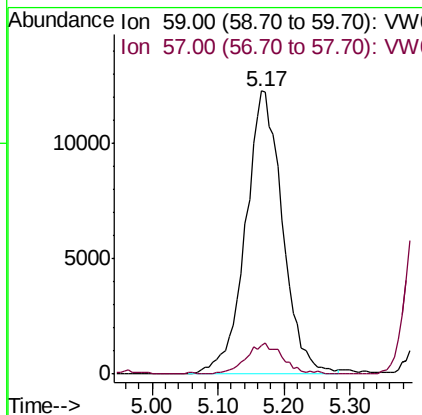
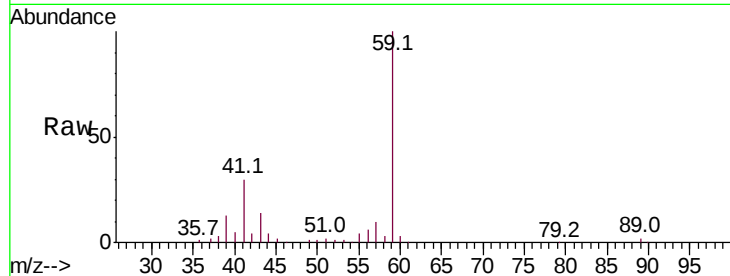
Tert butyl alcohol
Concen: 231.909 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.6

Manual Integrations
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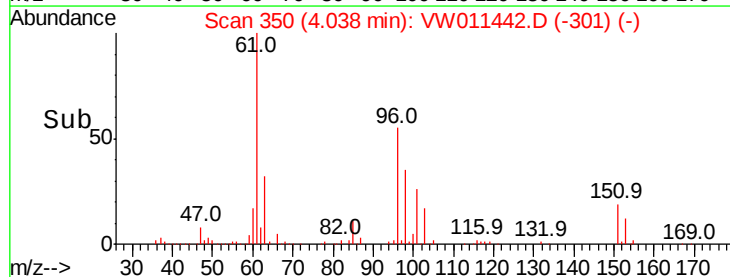
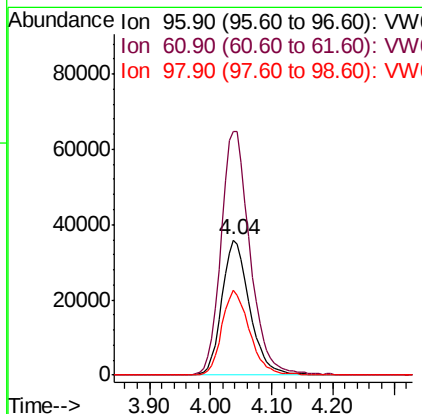
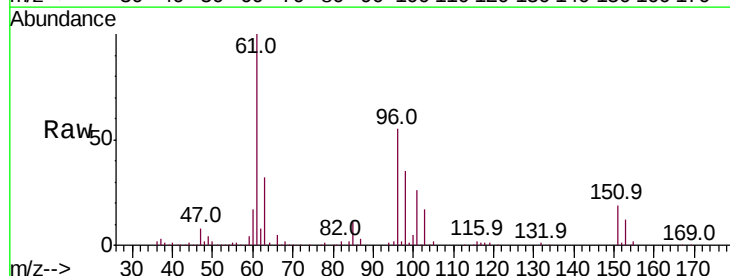
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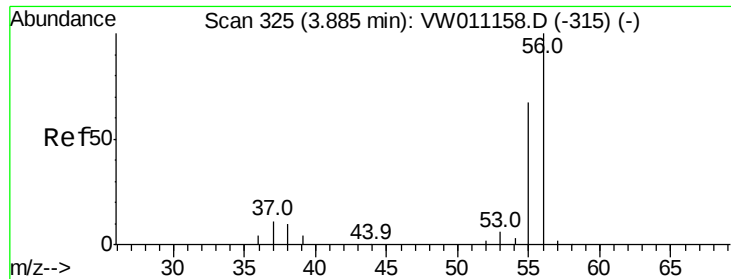


#12

1,1-Dichloroethene
Concen: 45.959 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.5	157.7	236.5
98	62.5	50.9	76.3





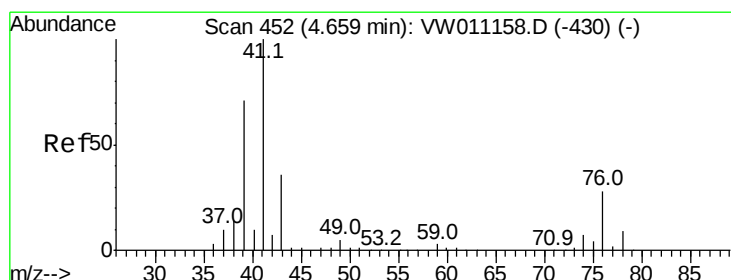
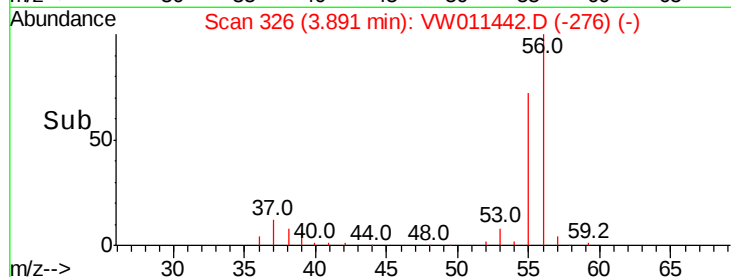
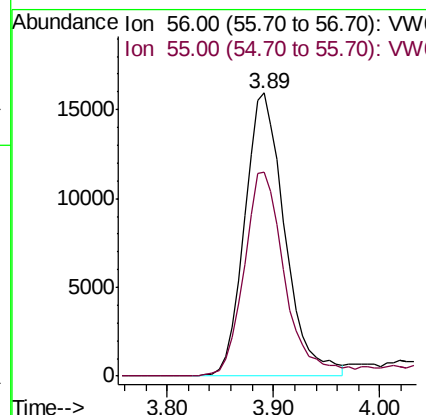
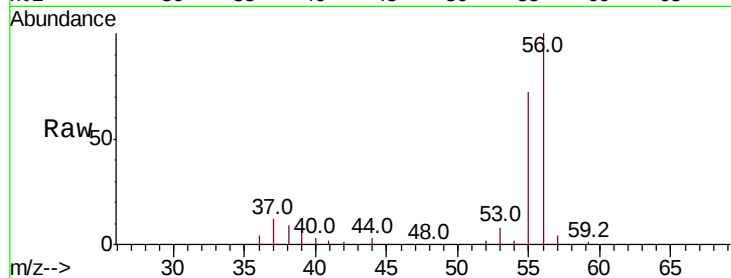
#13
Acrolein
Concen: 258.740 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.0	56.4	84.6

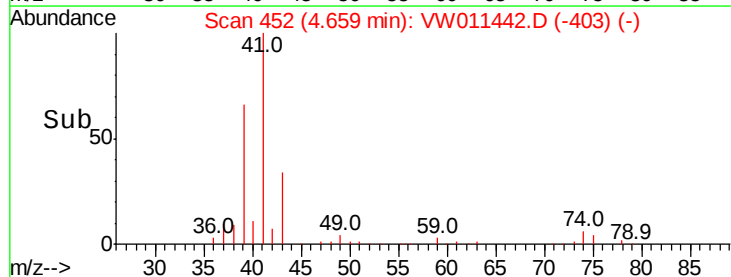
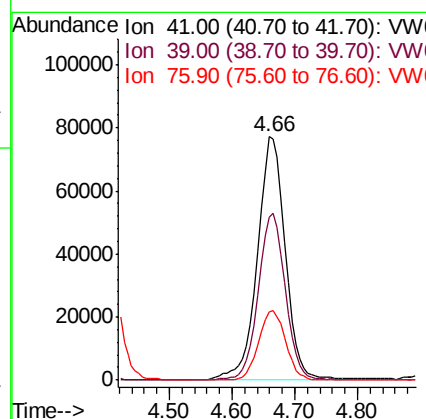
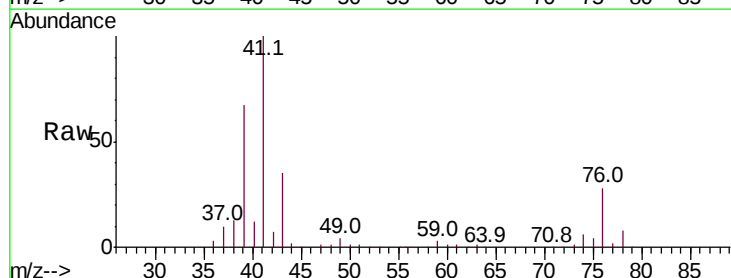
Manual Integrations
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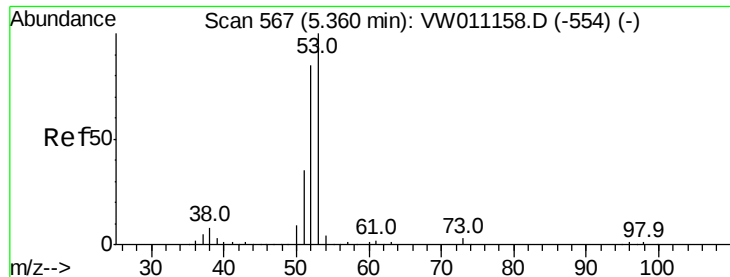
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#14
Allyl chloride
Concen: 53.127 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.3	55.1	82.7
76	27.7	22.5	33.7





#15

Acrylonitrile

Concen: 248.006 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

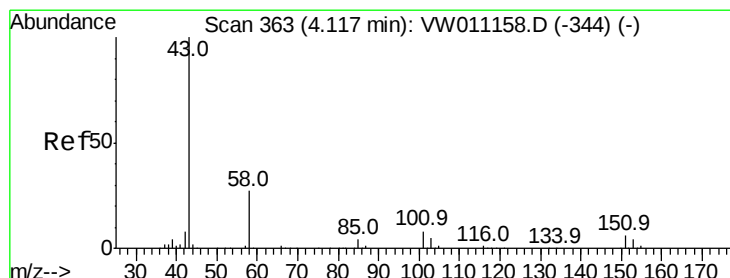
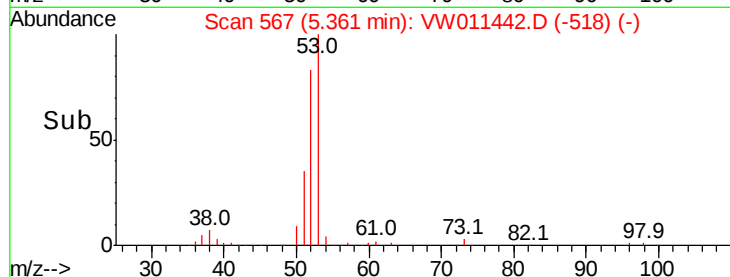
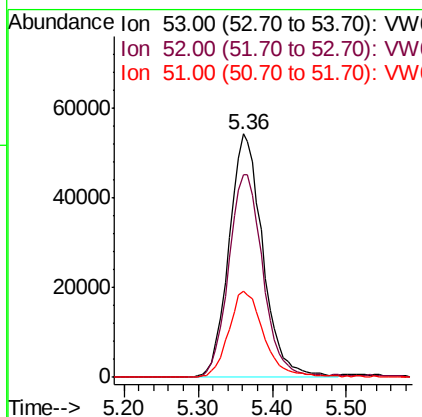
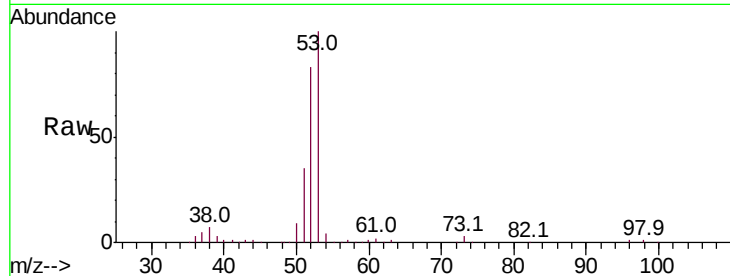
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	172354
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.2	99.4
51	36.8	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 286.743 ug/l

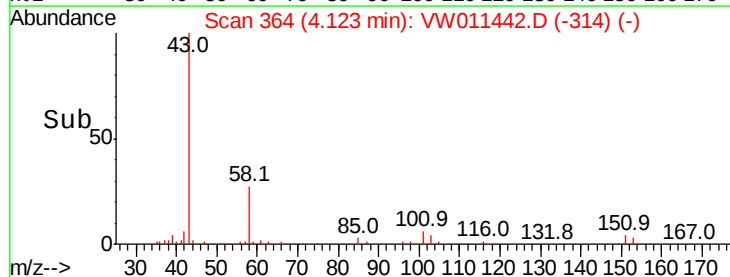
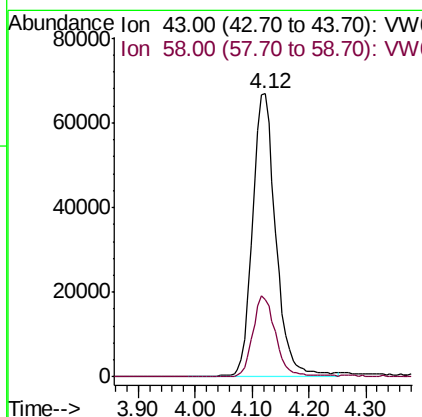
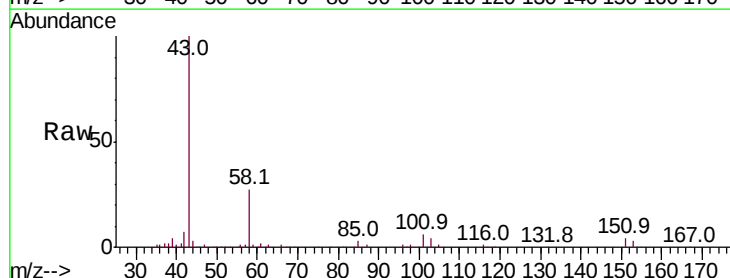
RT: 4.12 min Scan# 364

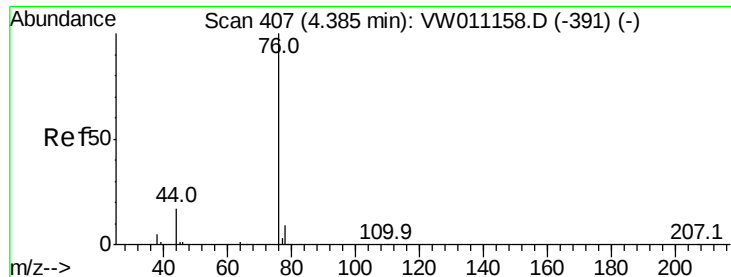
Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion	43	Resp	191336
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.8	32.6





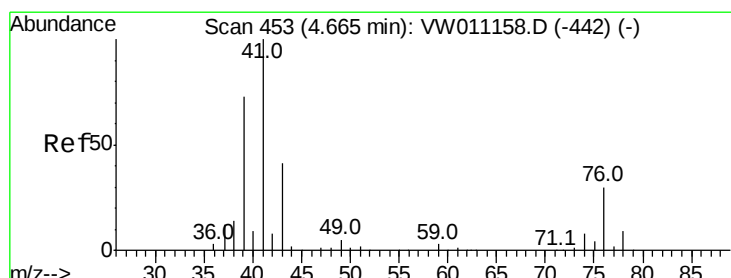
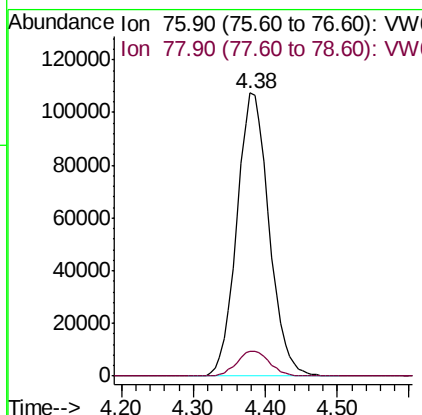
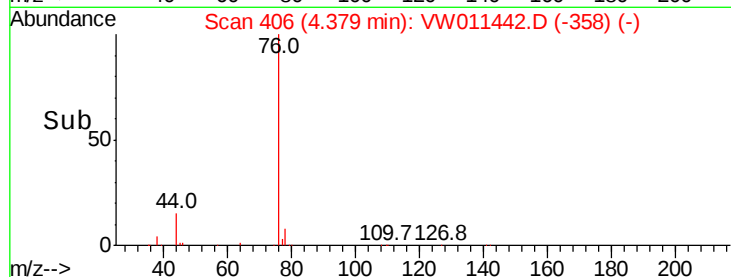
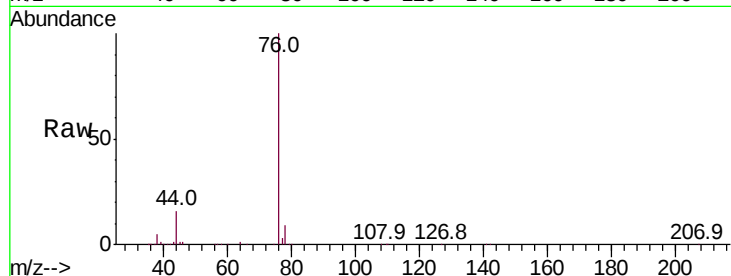
#17
Carbon Disulfide
Concen: 44.883 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 333619
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

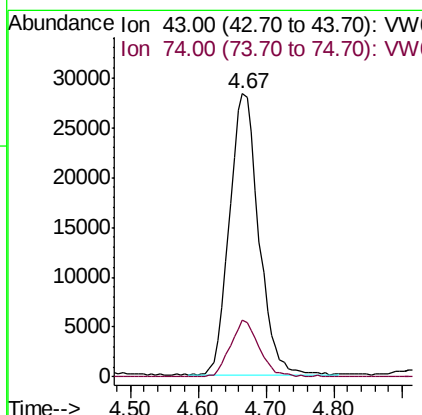
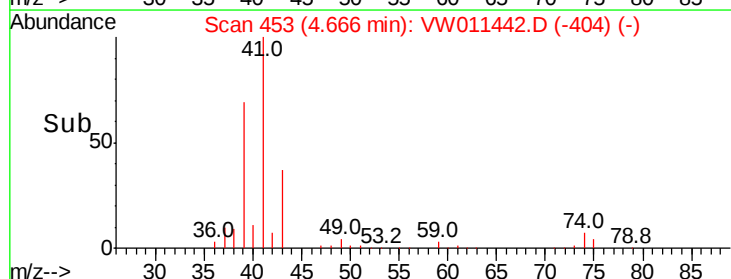
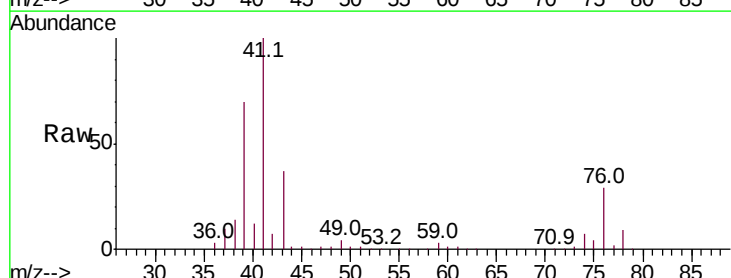
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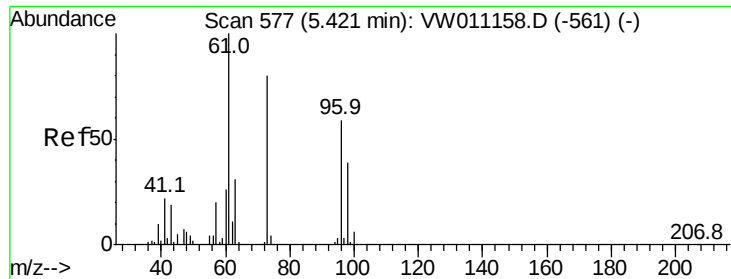
MMDadoda
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#18
Methyl Acetate
Concen: 44.536 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 43 Resp: 84803
Ion Ratio Lower Upper
43 100
74 19.7 15.7 23.5





#19

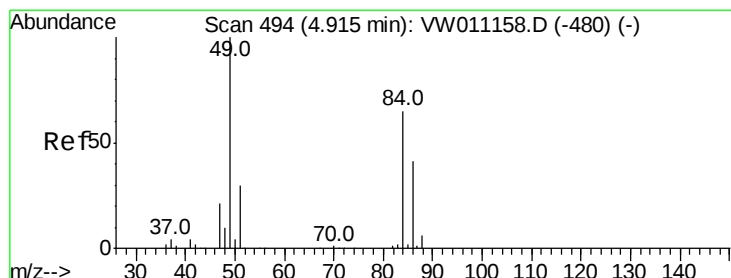
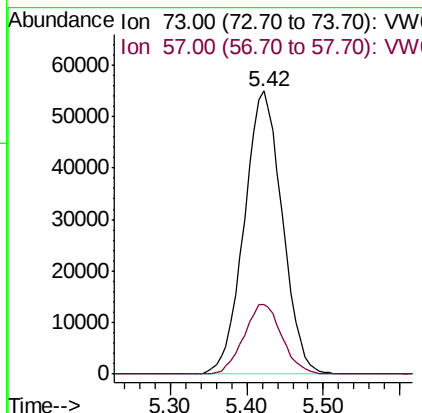
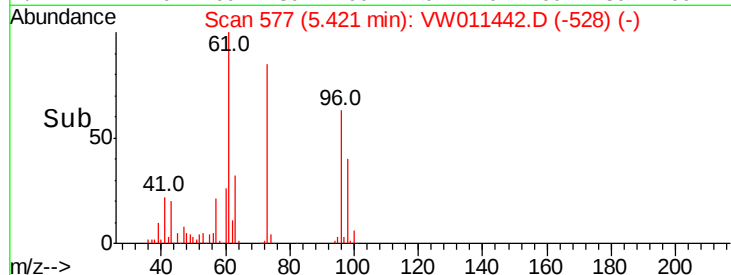
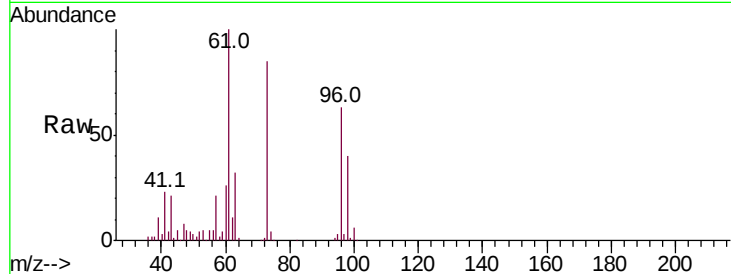
Methyl tert-butyl Ether
 Concen: 51.000 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 189729
 Ion Ratio Lower Upper
 73 100
 57 24.6 19.7 29.5

Manual Integrations
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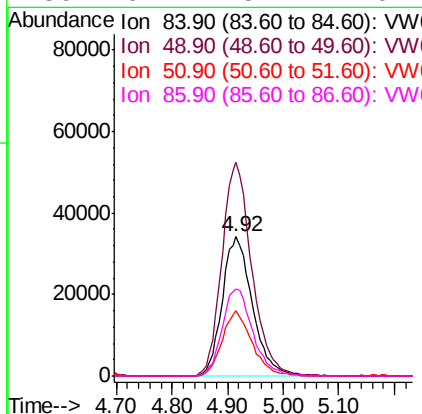
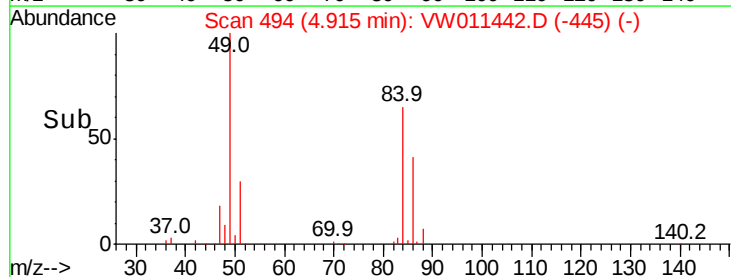
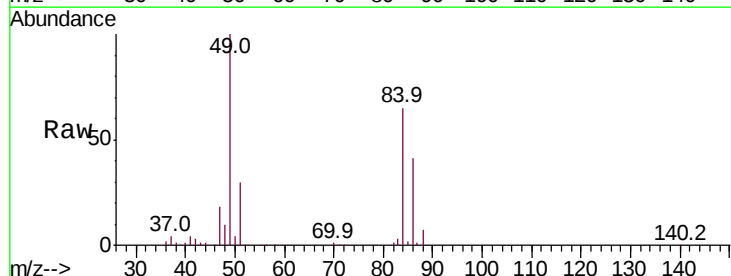
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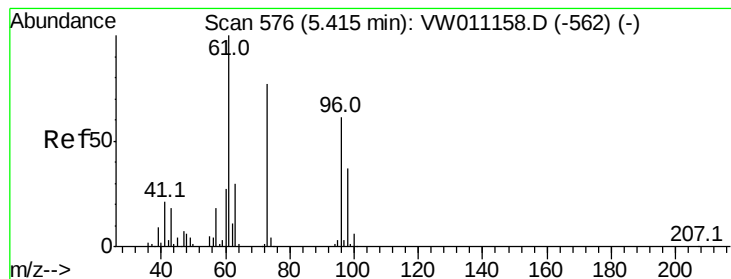


#20

Methylene Chloride
 Concen: 48.520 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion: 84 Resp: 127721
 Ion Ratio Lower Upper
 84 100
 49 153.5 123.8 185.6
 51 46.6 37.4 56.2
 86 62.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.083 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 122498

Ion Ratio Lower Upper

96 100

61 157.2 132.2 198.2

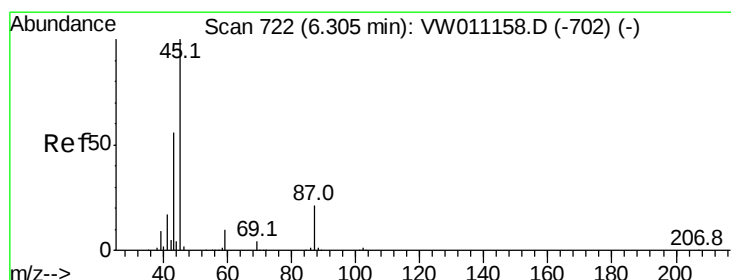
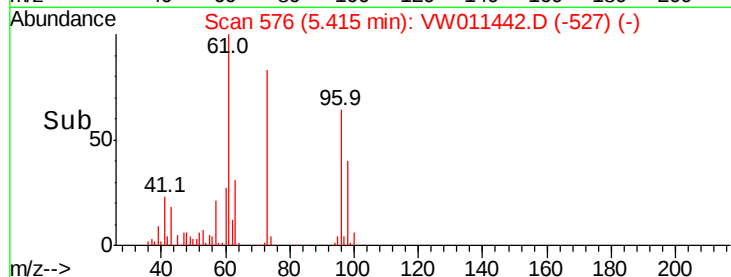
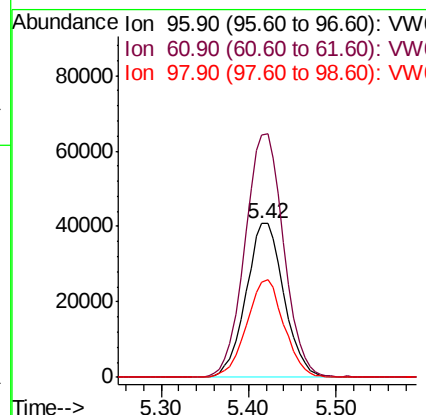
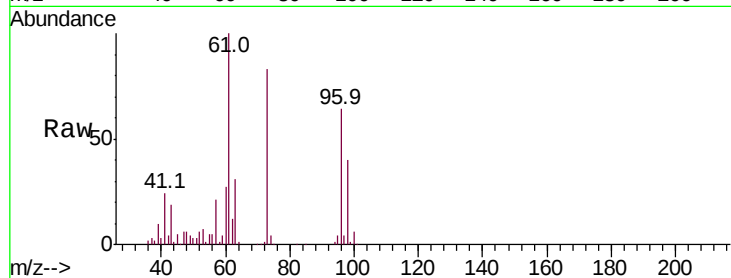
98 62.1 49.4 74.0

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#22

Diisopropyl ether

Concen: 49.420 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion: 45 Resp: 475240

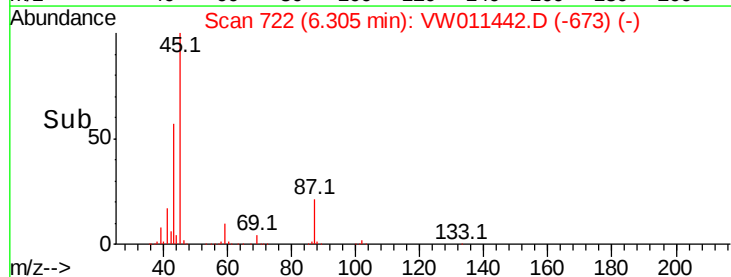
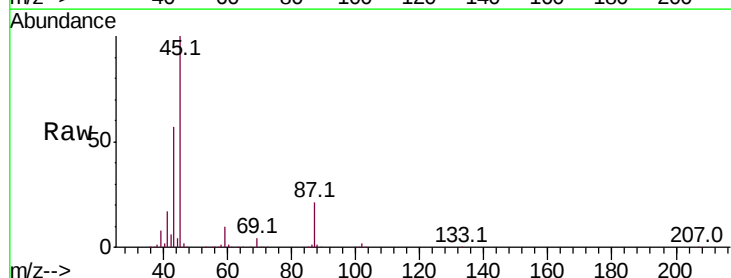
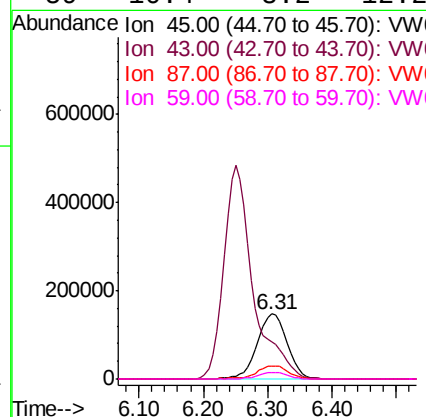
Ion Ratio Lower Upper

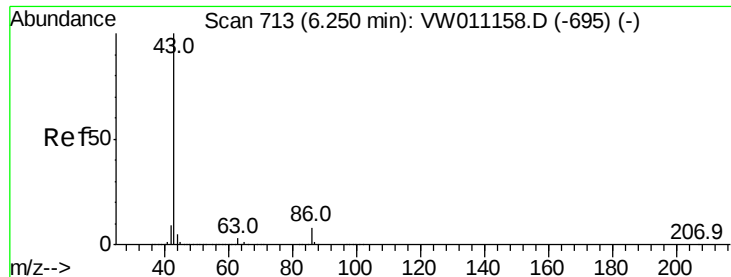
45 100

43 56.4 44.6 66.8

87 20.4 17.3 25.9

59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 260.258 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tot Ion: 43 Resp: 1548852

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

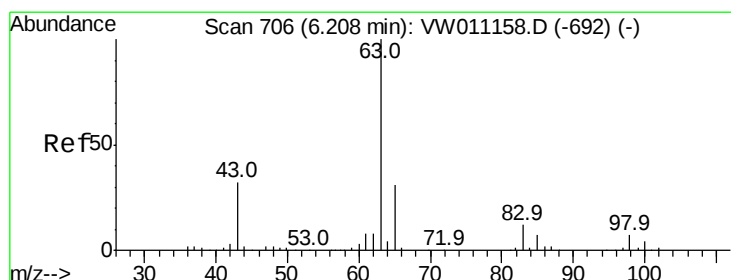
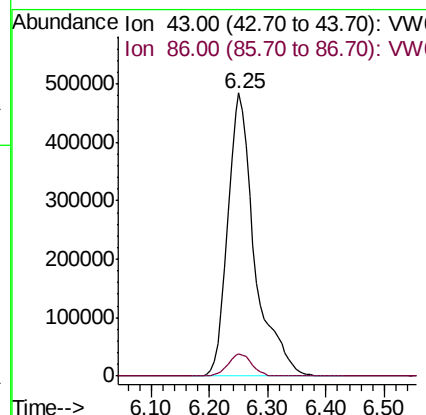
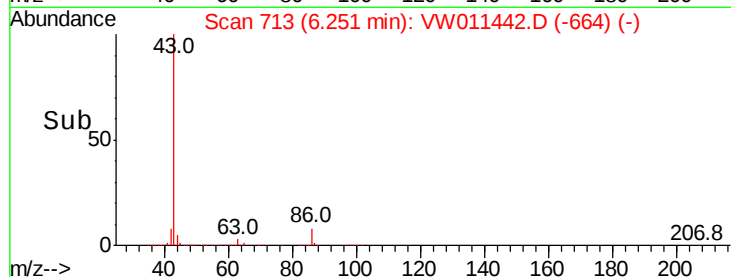
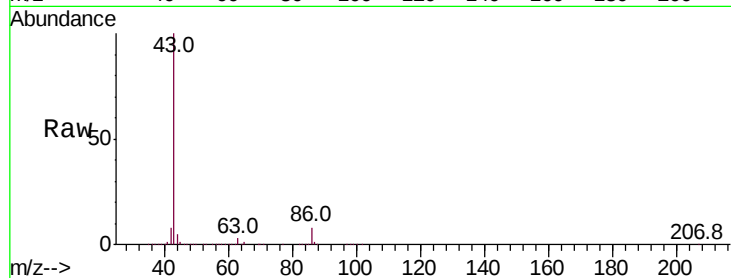
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 49.819 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

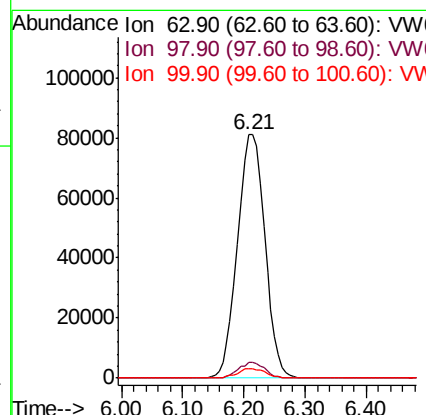
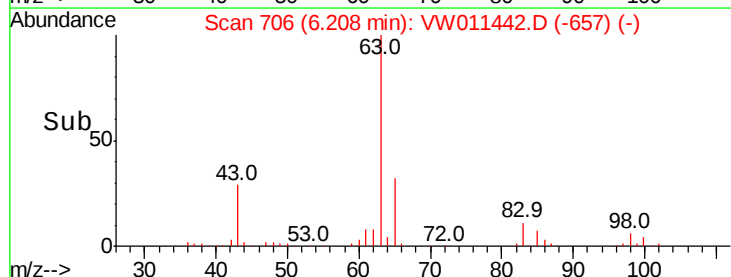
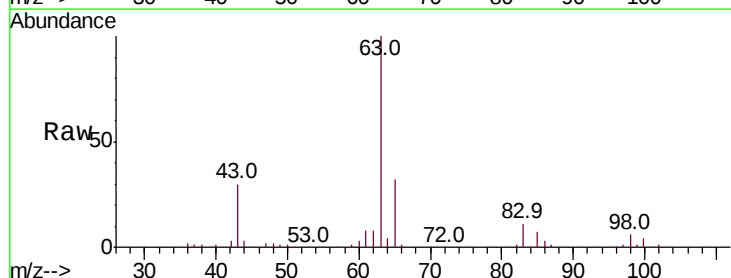
Tgt Ion: 63 Resp: 251566

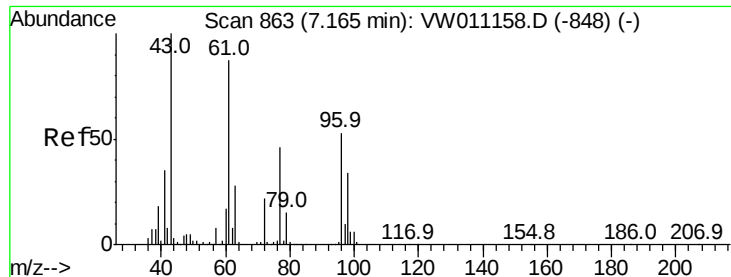
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 259.947 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 272280

Ion Ratio Lower Upper

43 100

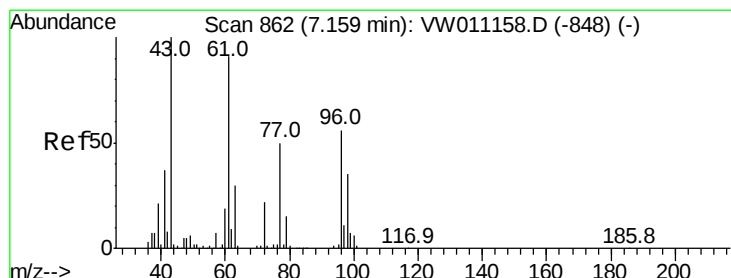
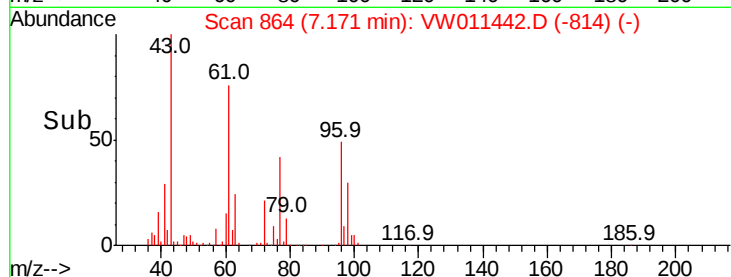
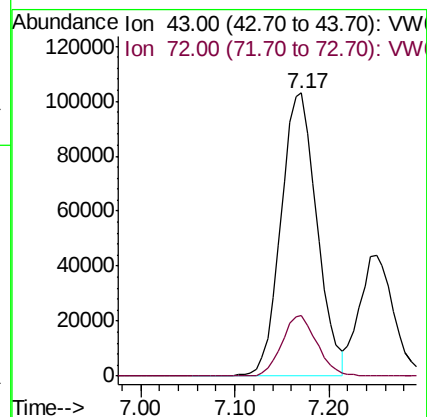
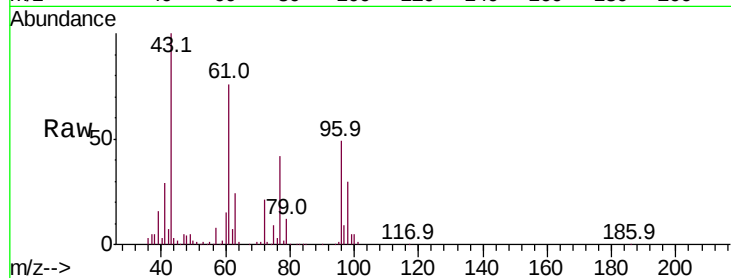
72 21.4 17.6 26.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.088 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011442.D

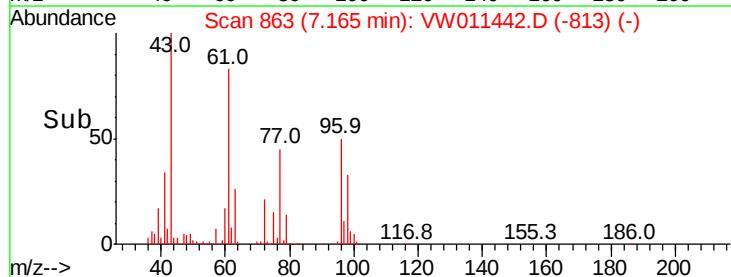
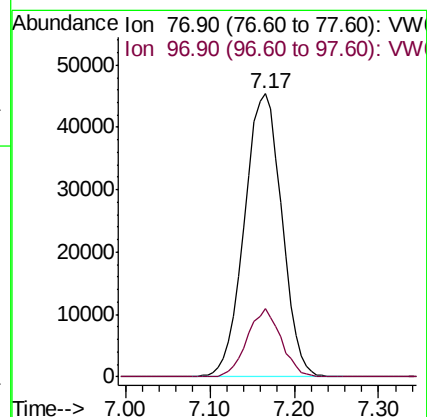
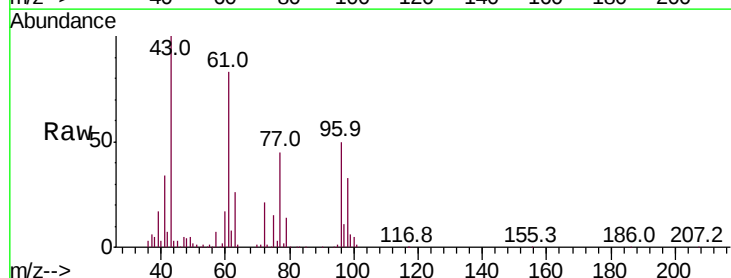
Acq: 23 Jul 2019 19:34

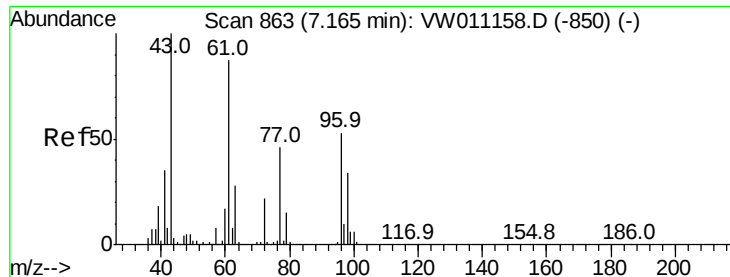
Tgt Ion: 77 Resp: 136723

Ion Ratio Lower Upper

77 100

97 21.8 11.2 33.5





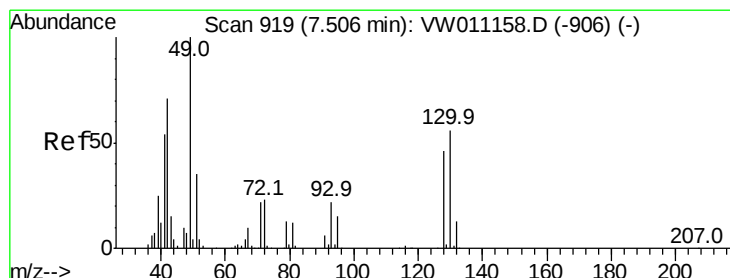
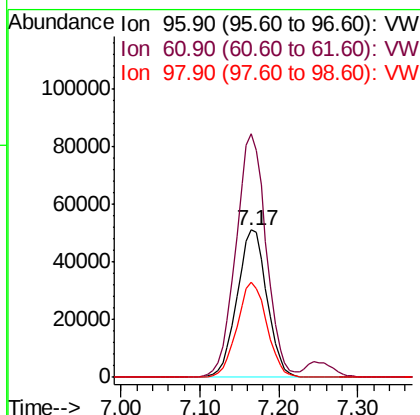
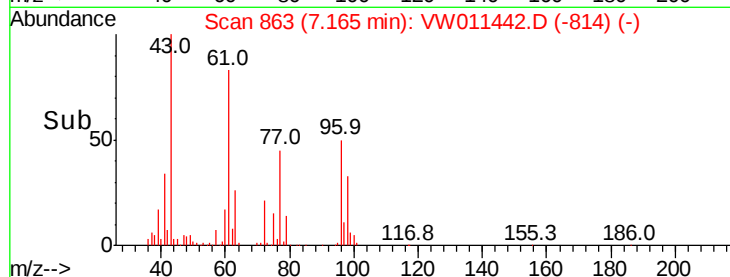
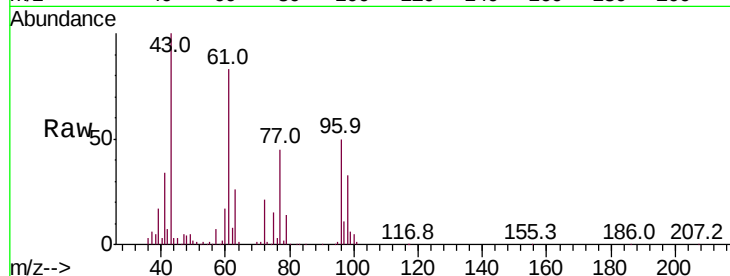
#27
 cis-1,2-Dichloroethene
 Concen: 49.077 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.7	0.0	325.6
98	64.1	0.0	128.2

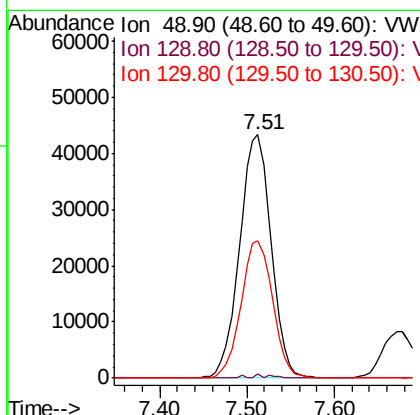
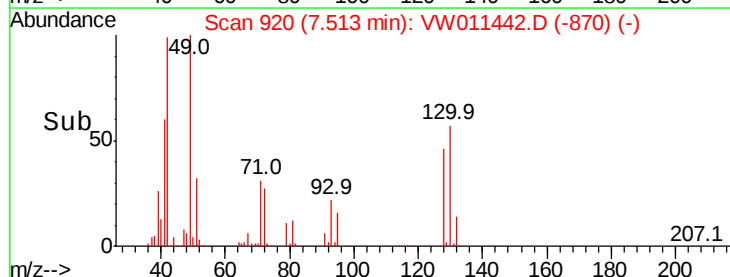
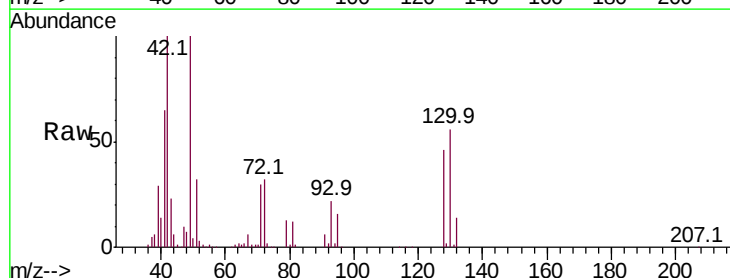
Manual Integrations
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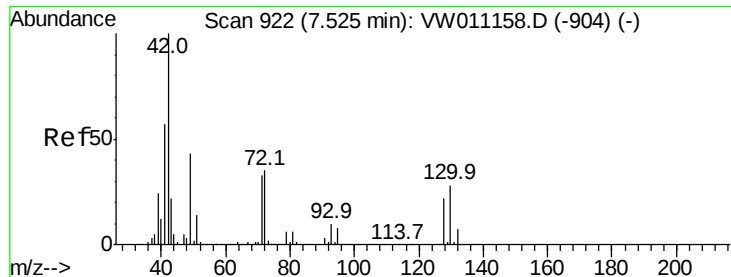
MMDadoda
 7/25/2019 3:10:43 PM



#28
 Bromochloromethane
 Concen: 47.346 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.4
130	56.7	45.8	68.8





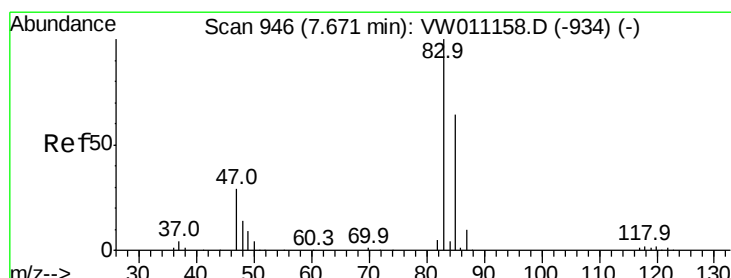
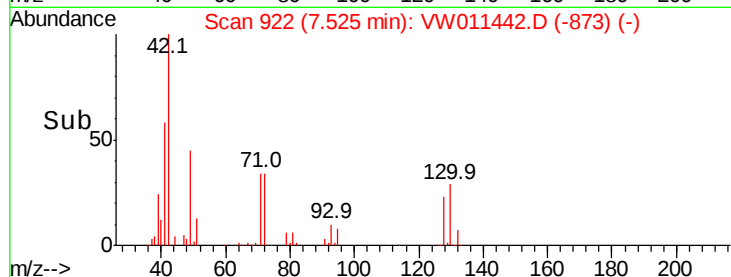
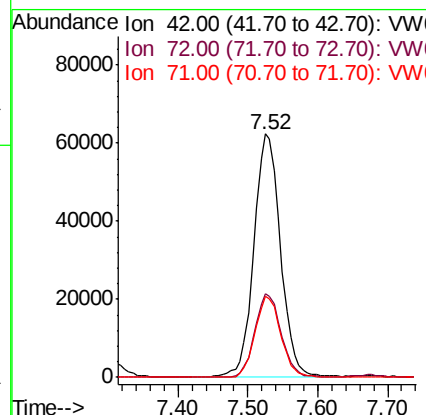
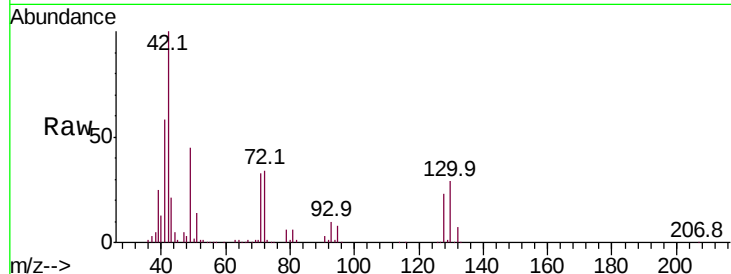
#29
Tetrahydrofuran
Concen: 239.503 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.4	41.2
71	32.4	25.9	38.9

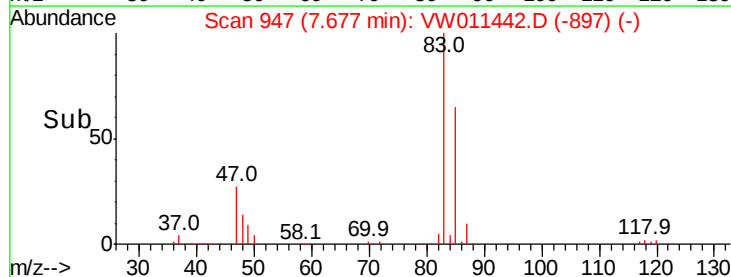
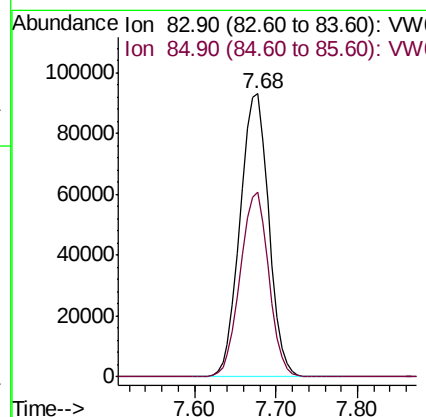
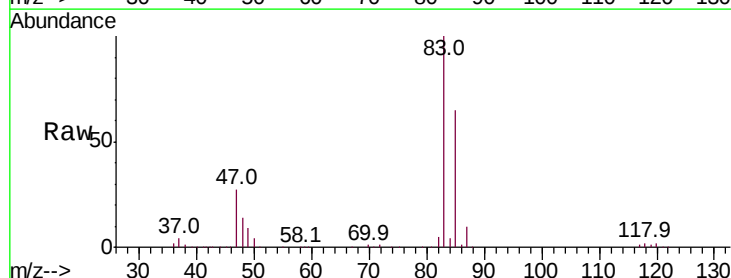
Manual Integrations
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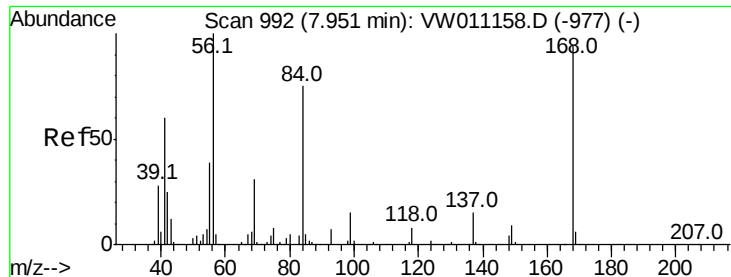
MMDadoda
7/25/2019 3:10:43 PM



#30
Chloroform
Concen: 48.575 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





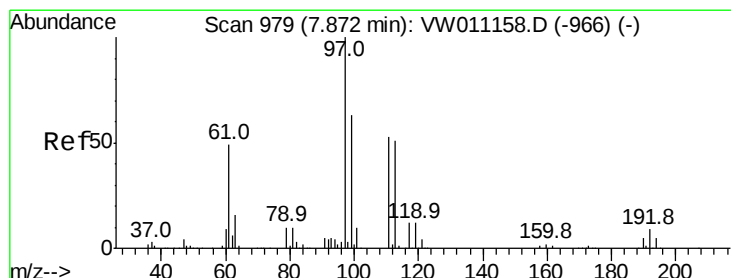
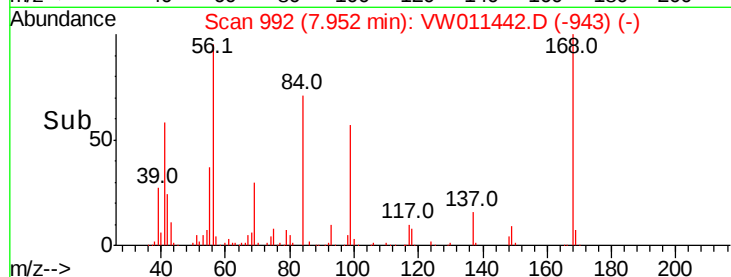
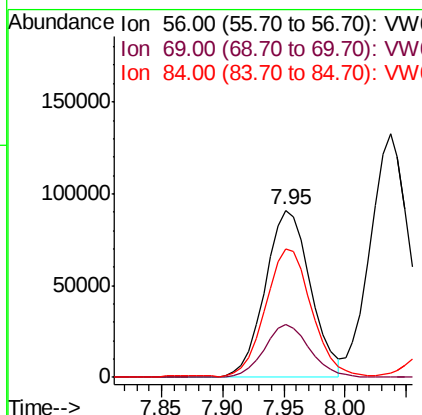
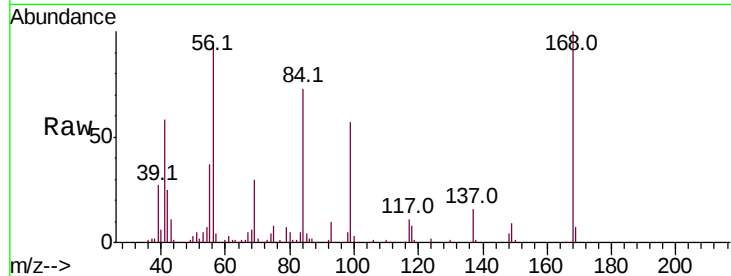
#31
Cyclohexane
Concen: 43.874 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.6	36.8
84	75.8	60.1	90.1

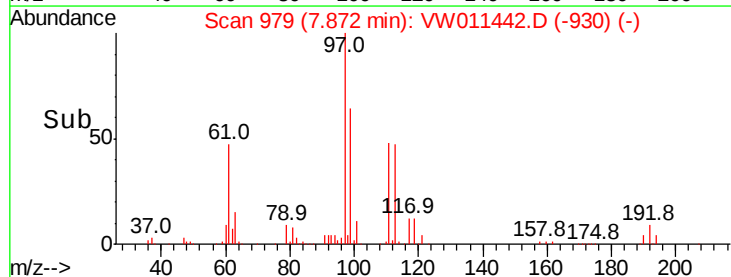
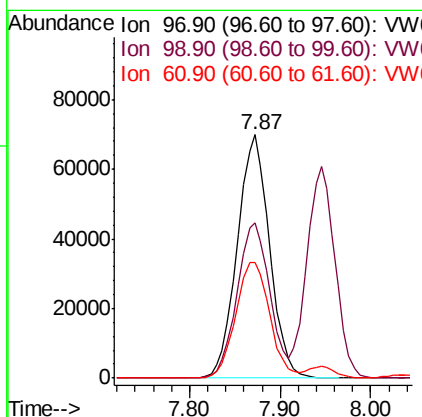
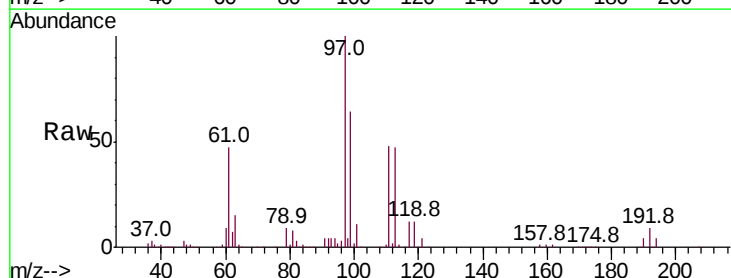
Manual Integrations
APPROVED

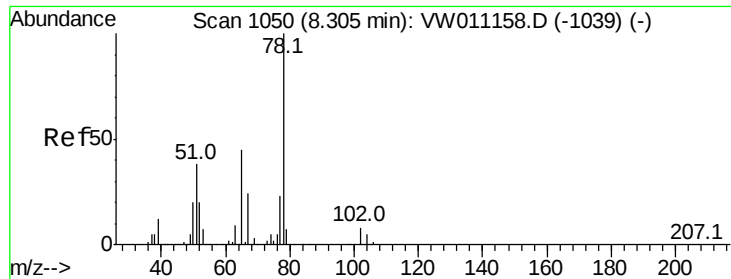
MMDadoda
7/25/2019 3:10:43 PM



#32
1,1,1-Trichloroethane
Concen: 48.552 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	50.0	40.4	60.6





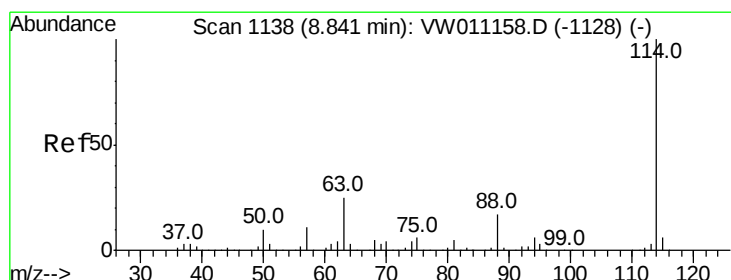
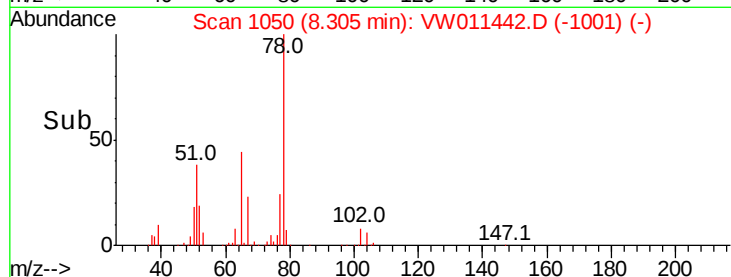
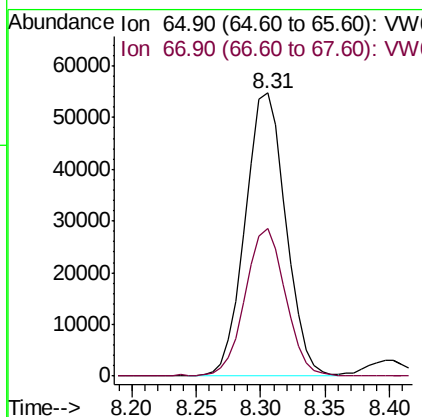
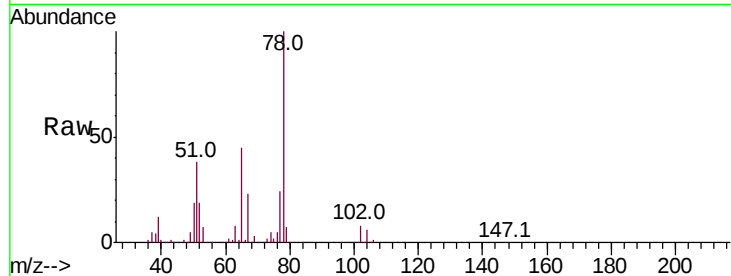
#33
 1,2-Dichloroethane-d4
 Concen: 43.137 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.4

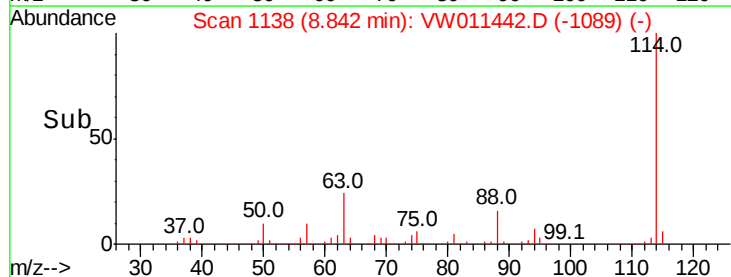
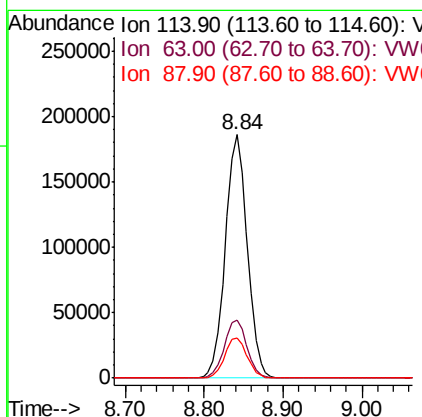
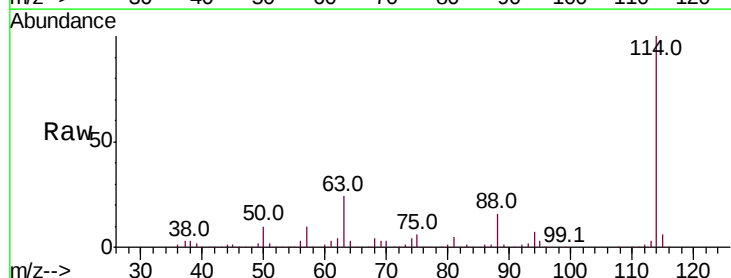
Manual Integrations
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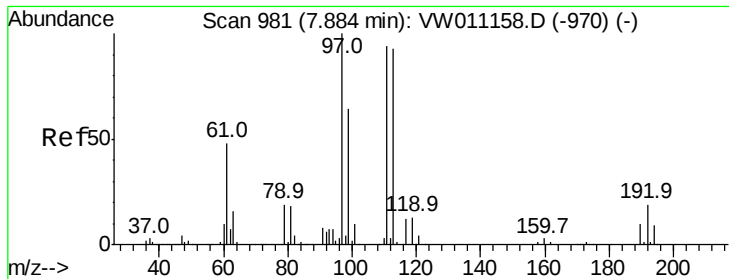
MMDadoda
 7/25/2019 3:10:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	50.8
88	16.4	0.0	34.2





#35

Dibromofluoromethane

Concen: 45.370 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

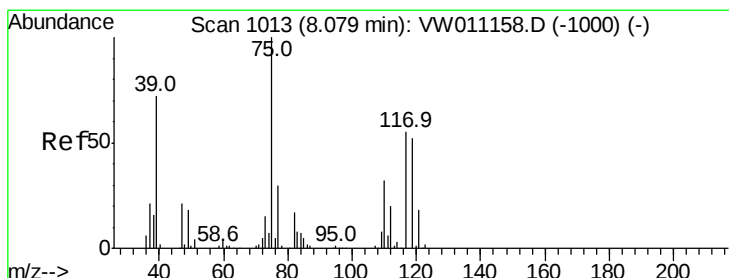
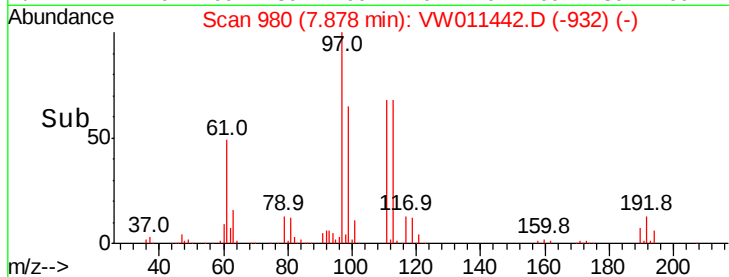
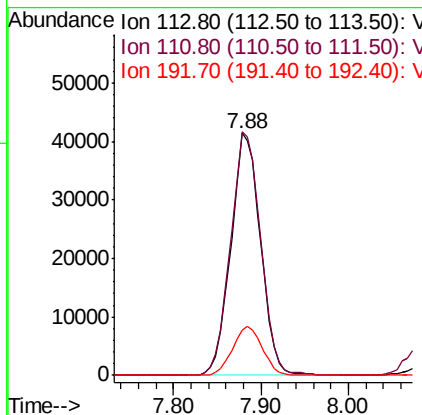
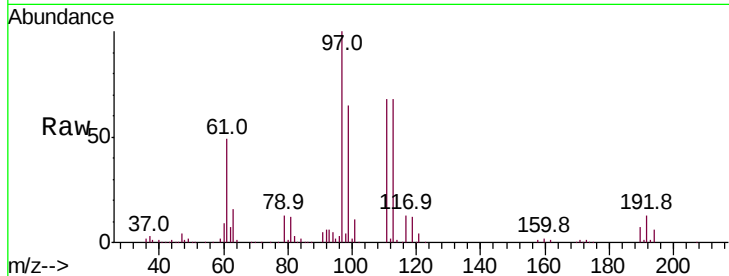
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	20.4	15.8	23.8

Manual Integrations
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7/25/2019 3:10:43 PM



#36

1,1-Dichloropropene

Concen: 48.147 ug/l

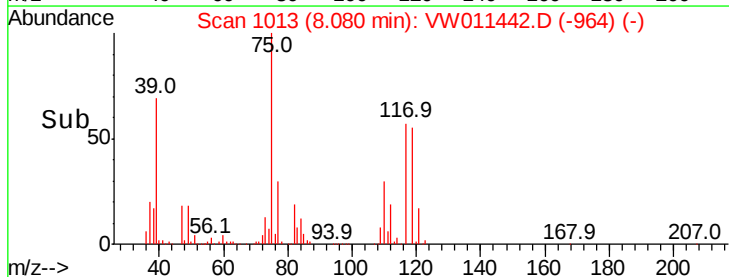
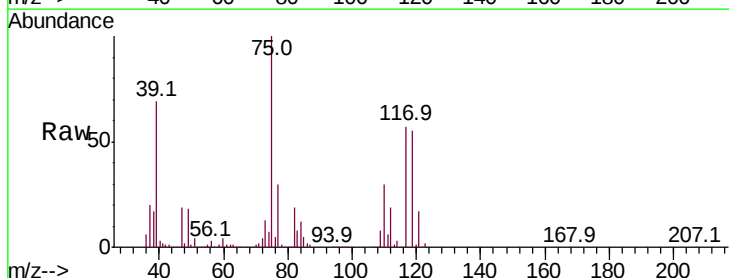
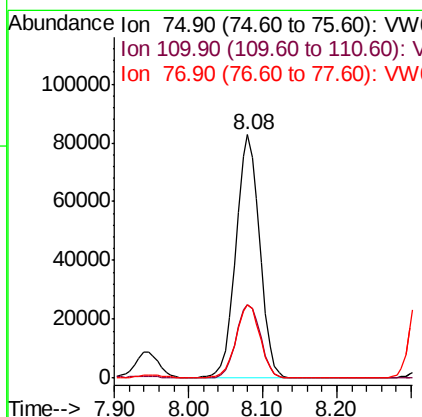
RT: 8.08 min Scan# 1013

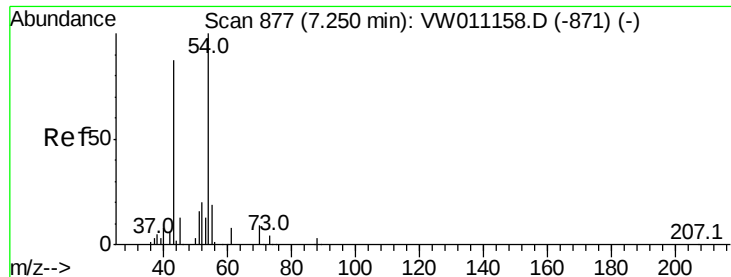
Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.9	47.6
77	30.9	24.6	36.8





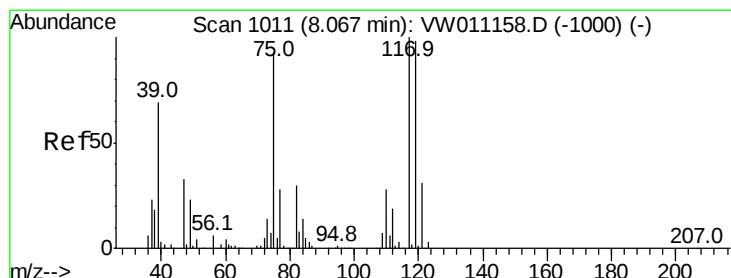
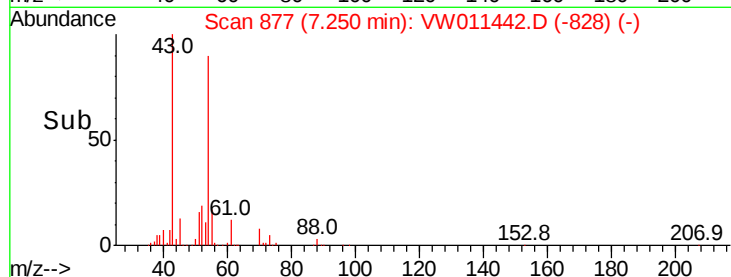
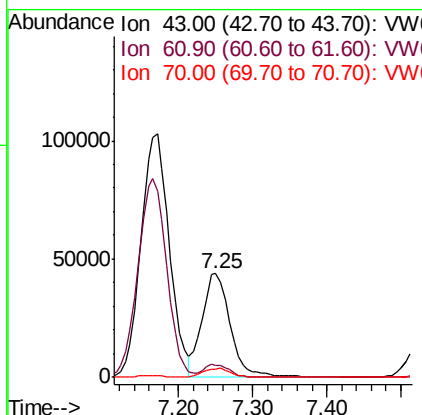
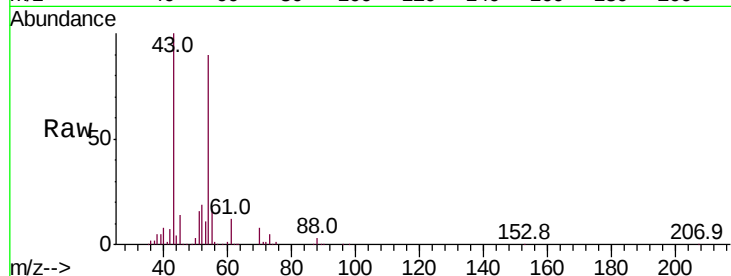
#37
Ethyl Acetate
Concen: 49.302 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.5	14.3
70	8.6	7.1	10.7

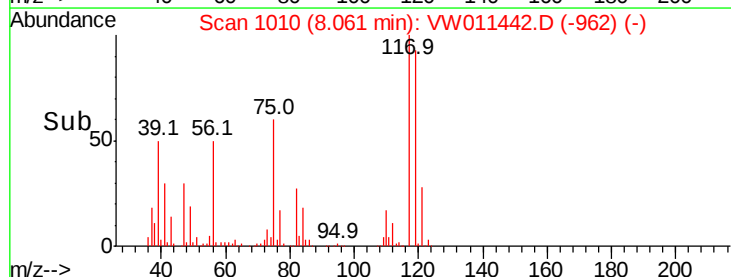
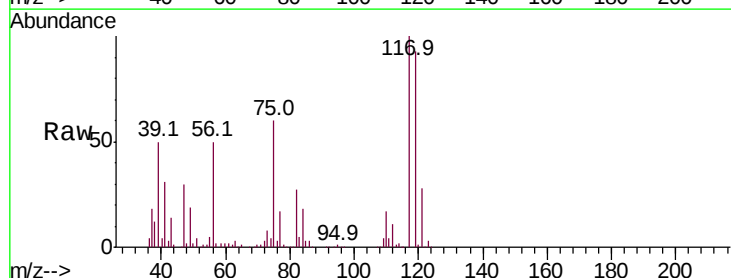
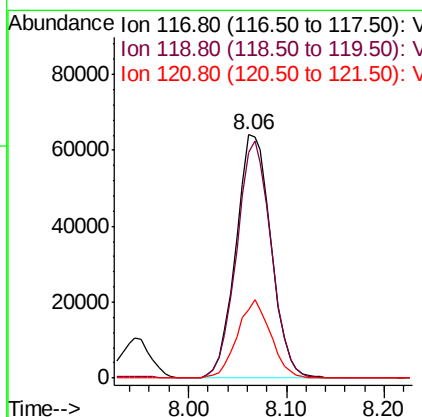
Manual Integrations
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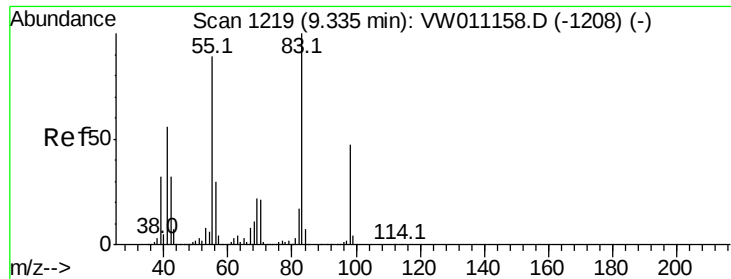
MMDadoda
7/25/2019 3:10:43 PM



#38
Carbon Tetrachloride
Concen: 49.293 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.1	117.1
121	28.3	25.1	37.7





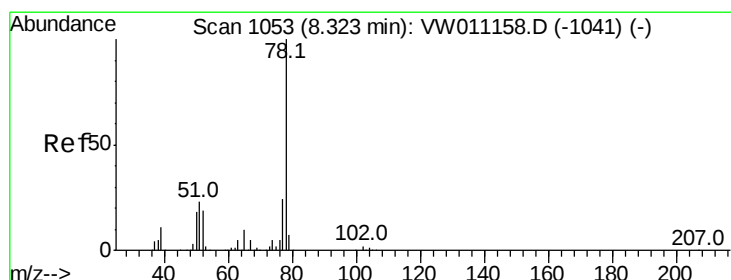
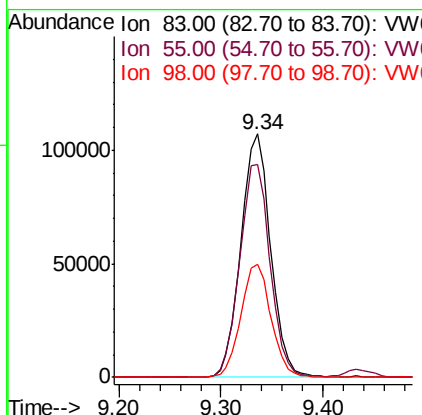
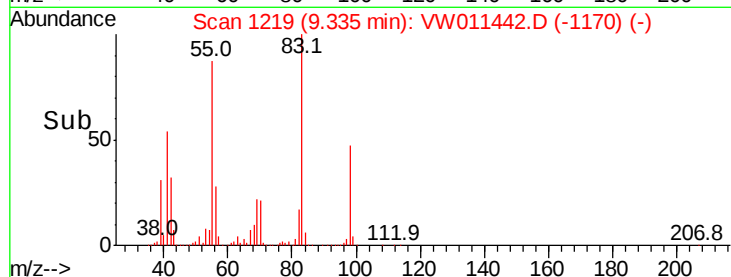
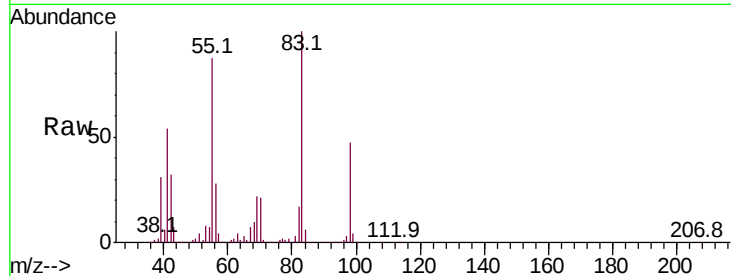
#39
Methvlcvclohexane
Concen: 46.848 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	217540		
55	87.1		71.2	106.8
98	46.5		37.5	56.3

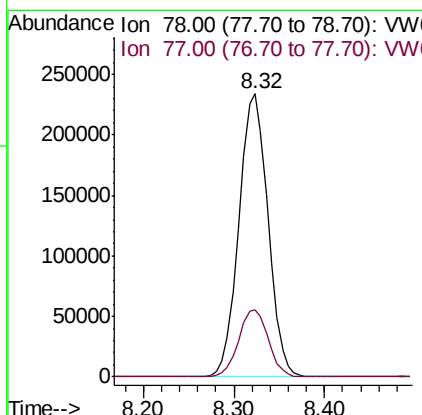
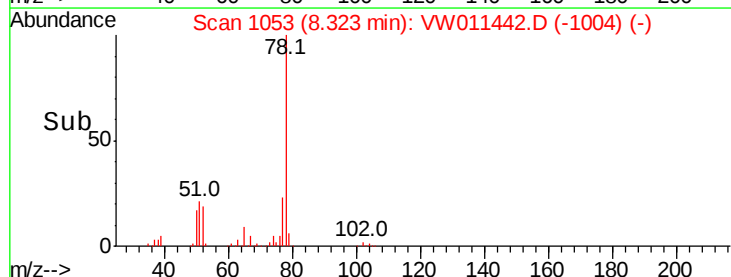
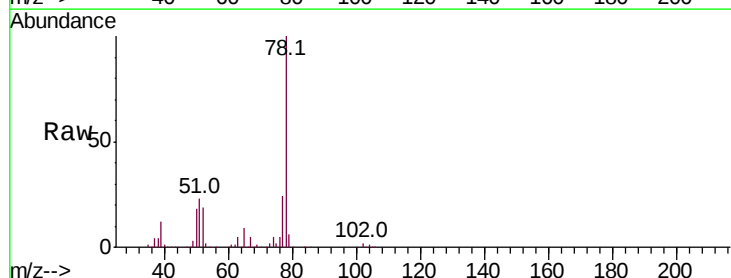
Manual Integrations
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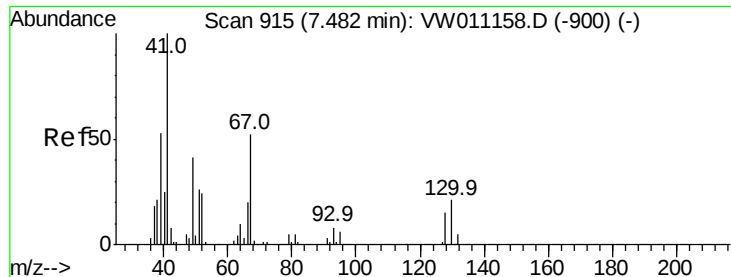
MMDadoda
7/25/2019 3:10:43 PM



#40
Benzene
Concen: 49.134 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	520223		
77	23.5		19.0	28.6





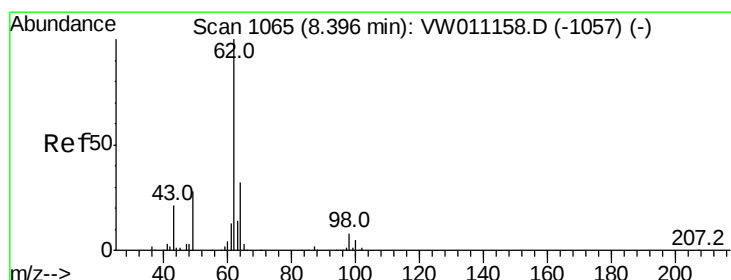
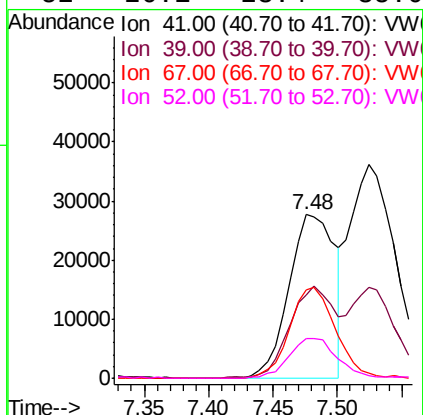
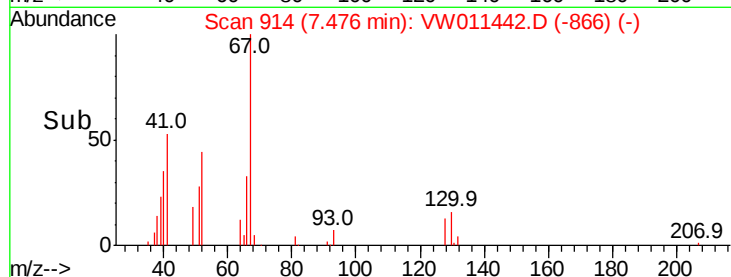
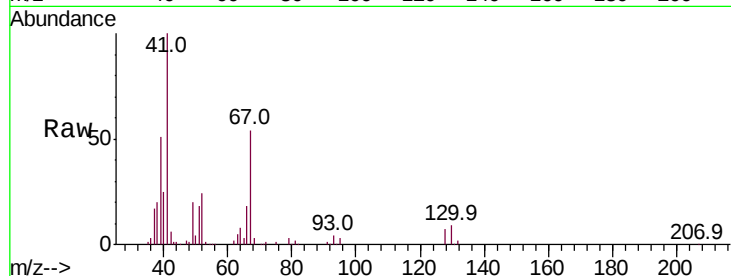
#41
Methacrylonitrile
Concen: 52.256 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	48.0	72.0
67	56.0	49.7	74.5
52	26.1	23.4	35.0

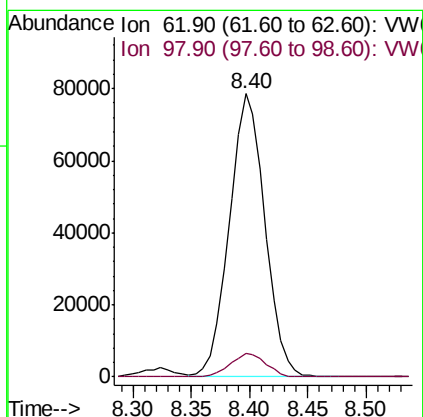
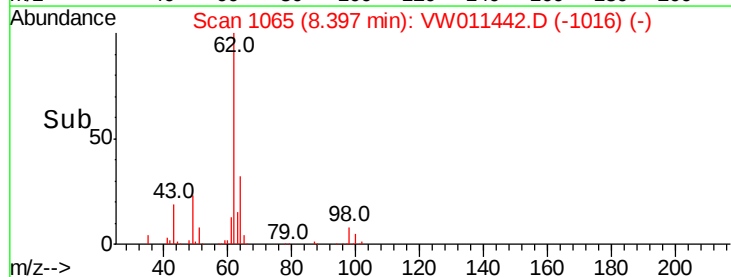
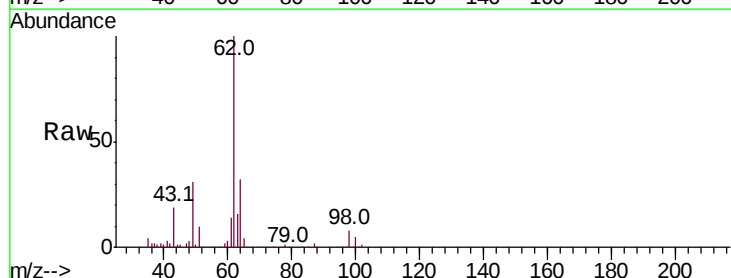
Manual Integrations
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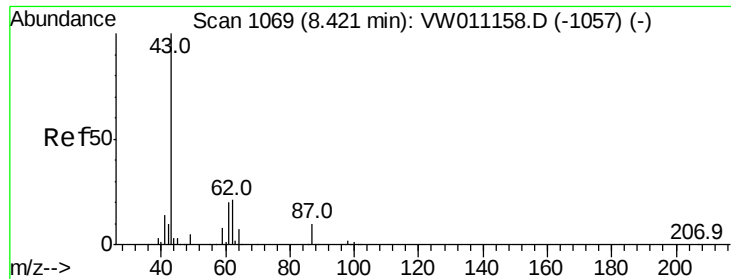
MMDadoda
7/25/2019 3:10:43 PM



#42
1,2-Dichloroethane
Concen: 48.510 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 48.413 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

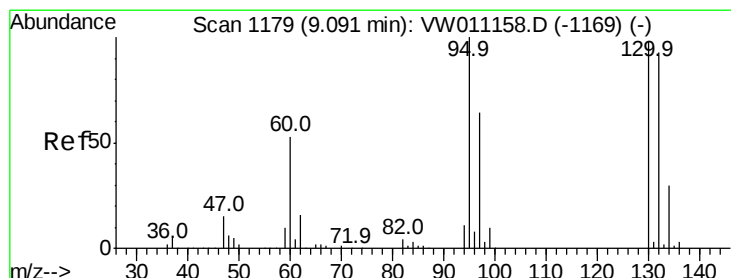
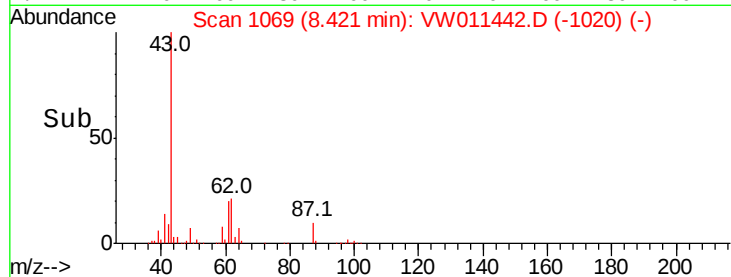
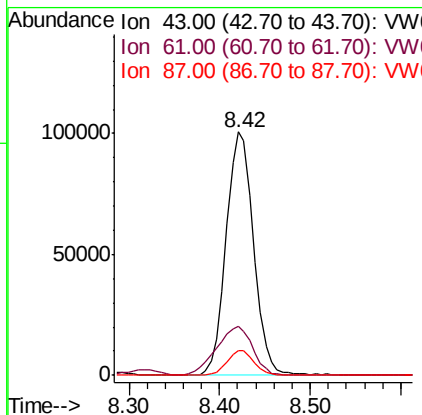
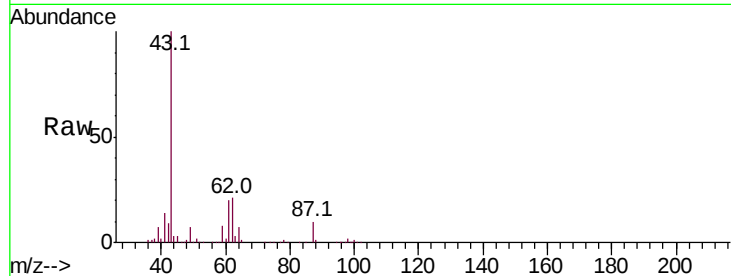
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	210393
Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.7	31.1
87	10.1	8.1	12.1

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#44

Trichloroethene

Concen: 48.535 ug/l

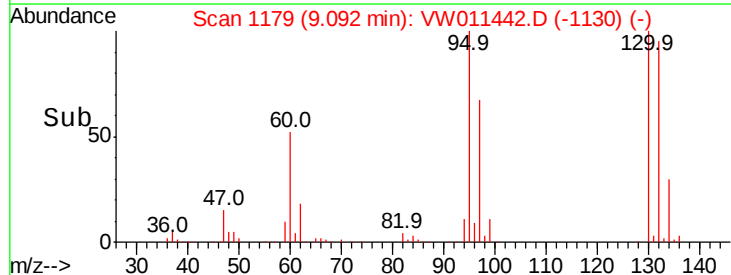
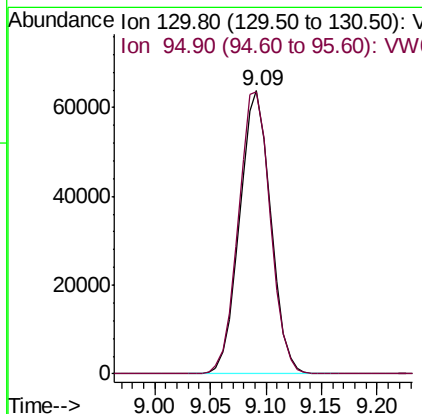
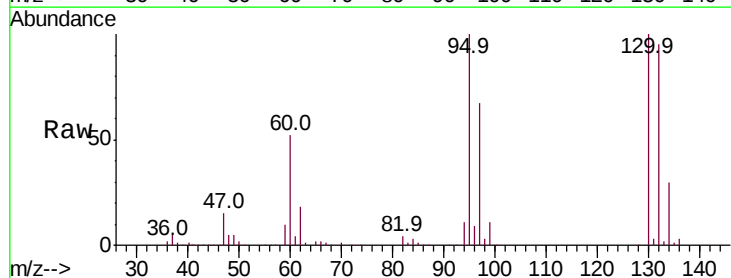
RT: 9.09 min Scan# 1179

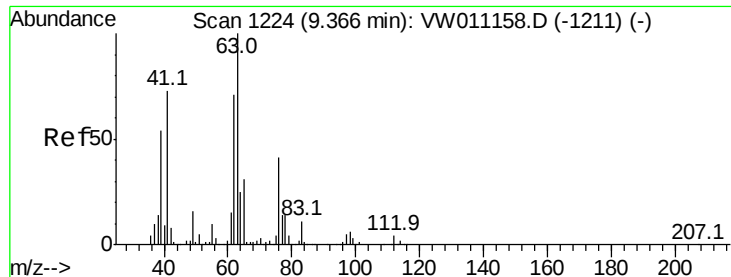
Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion:	130	Resp:	123659
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	203.6





#45

1,2-Dichloropropane

Concen: 49.996 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 143343

Ion Ratio Lower Upper

63 100

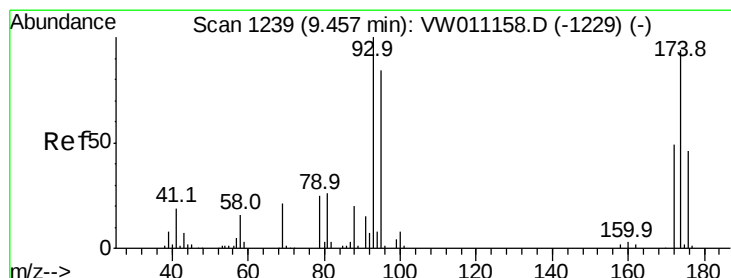
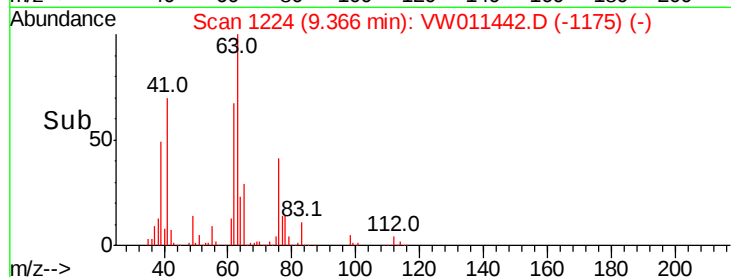
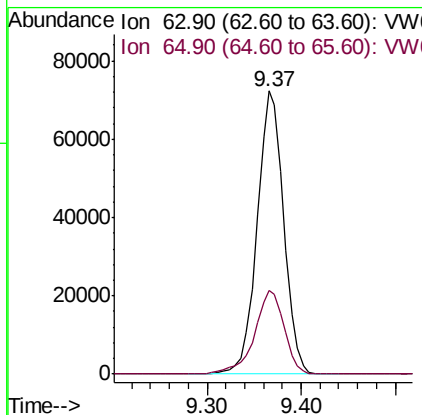
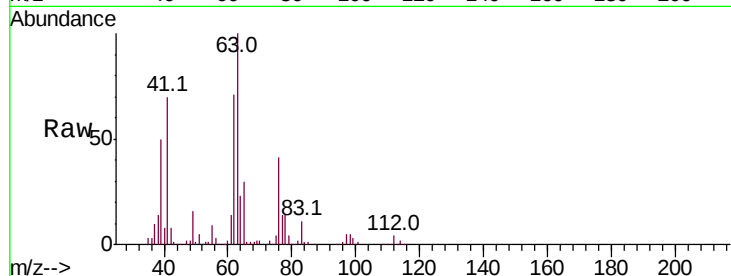
65 29.6 24.4 36.6

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#46

Dibromomethane

Concen: 48.900 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

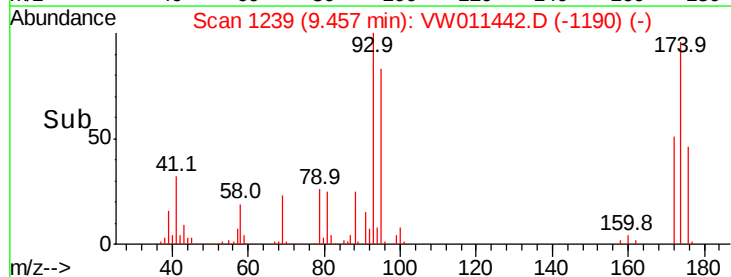
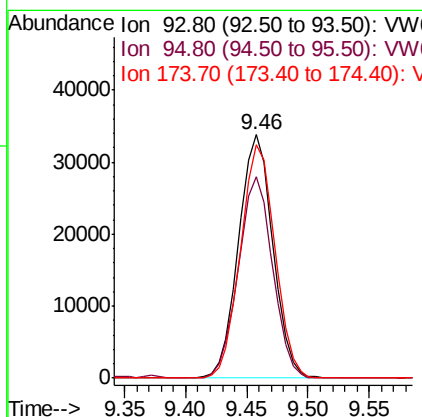
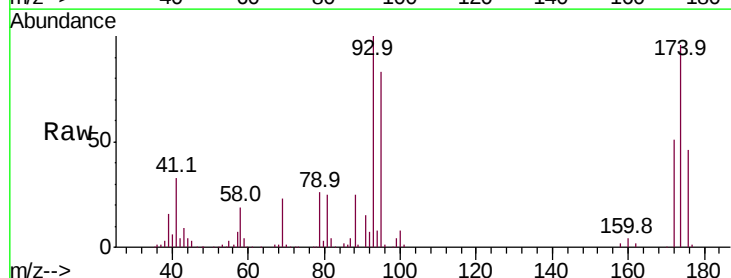
Tgt Ion: 93 Resp: 65860

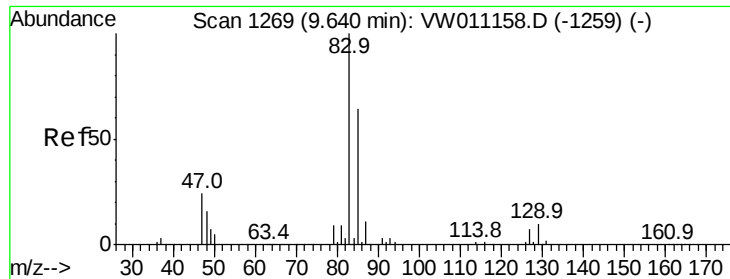
Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

174 96.6 76.3 114.5





#47

Bromodichloromethane

Concen: 49.252 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 169728

Ion Ratio Lower Upper

83 100

85 62.2 51.0 76.4

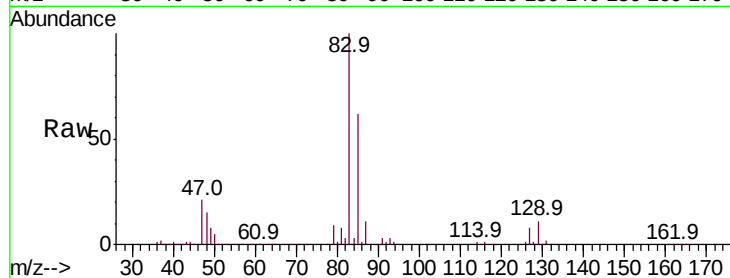
127 7.5 6.0 9.0

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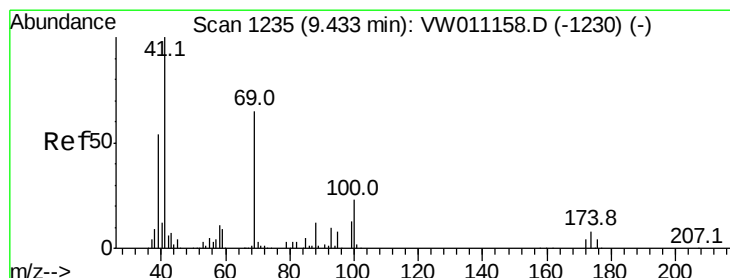
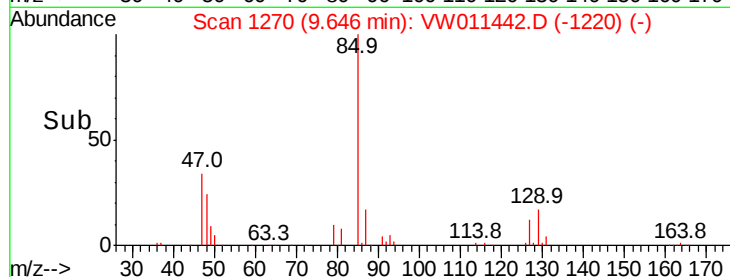
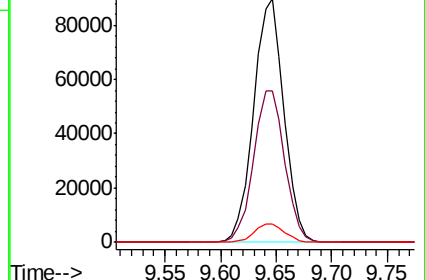
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Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 49.055 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

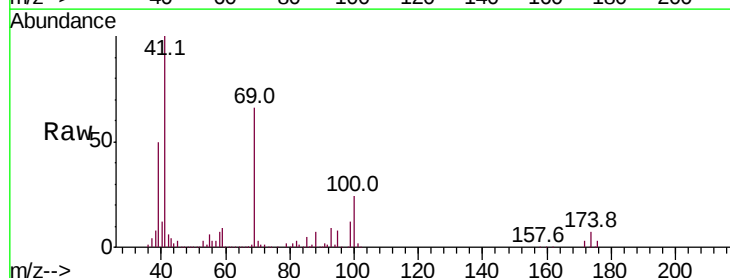
Tgt Ion: 41 Resp: 102562

Ion Ratio Lower Upper

41 100

69 70.2 56.0 84.0

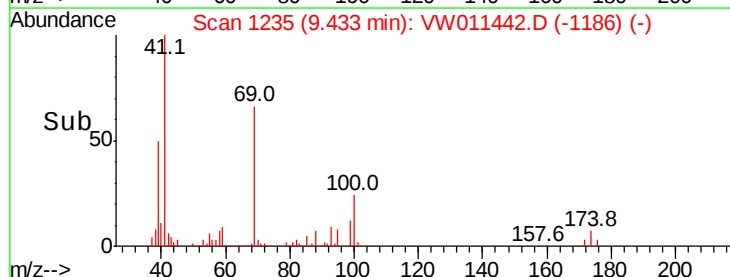
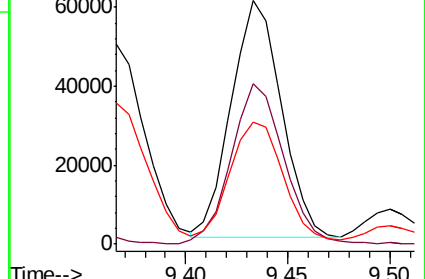
39 51.4 43.5 65.3

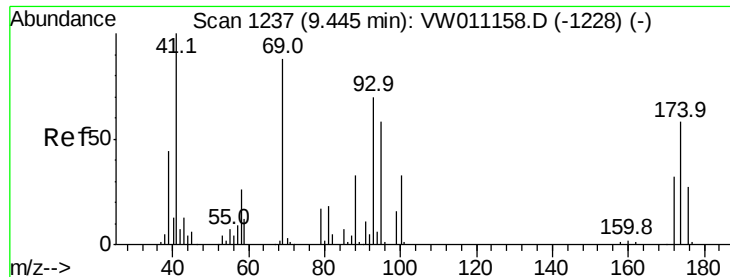


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 934.036 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 20998

Ion Ratio Lower Upper

88 100

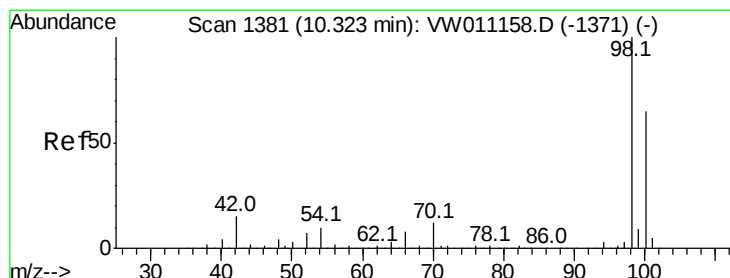
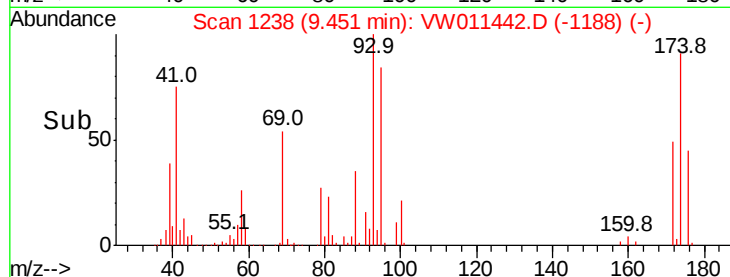
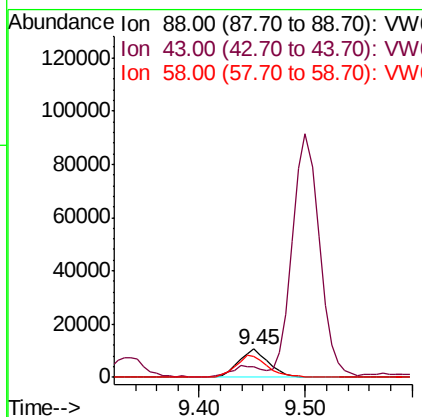
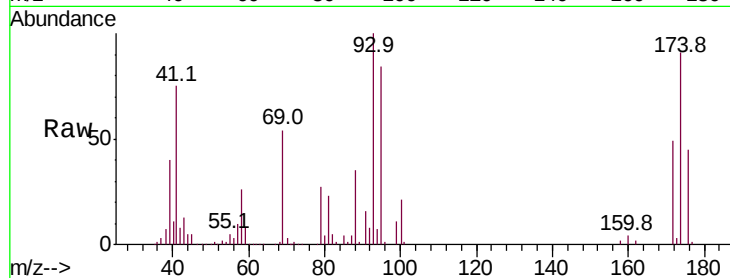
43 39.5 33.4 50.0

58 86.3 64.5 96.7

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#50

Toluene-d8

Concen: 44.250 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011442.D

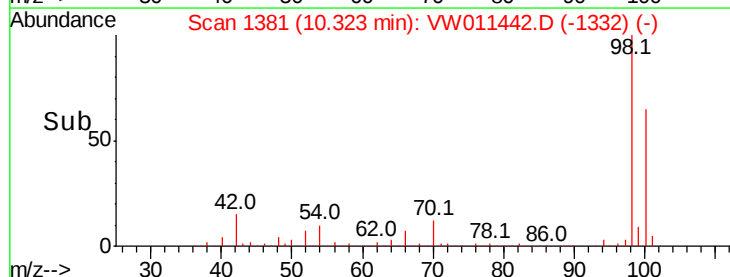
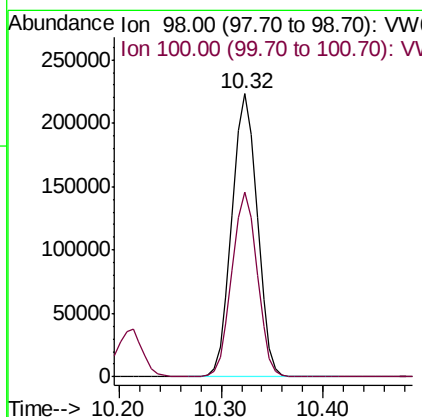
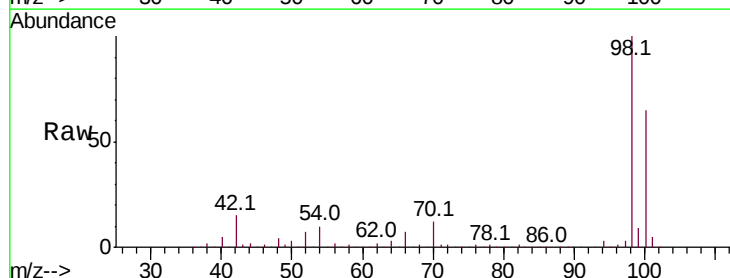
Acq: 23 Jul 2019 19:34

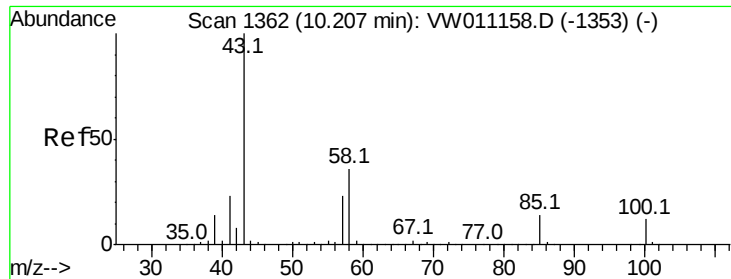
Tgt Ion: 98 Resp: 383548

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6





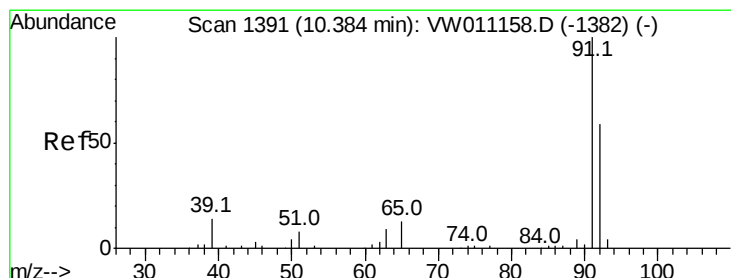
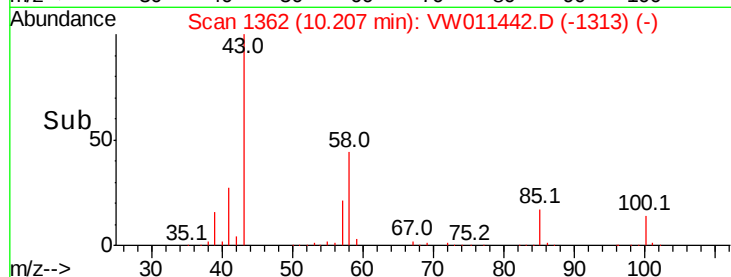
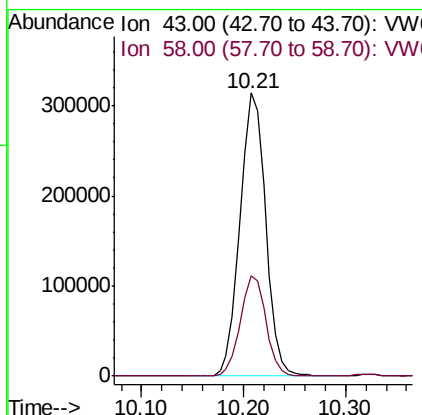
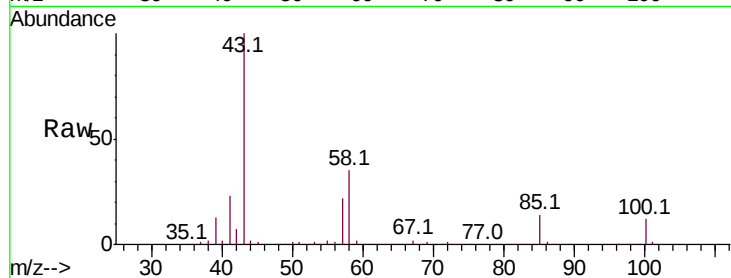
#51
4-Methyl-2-Pentanone
Concen: 241.580 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 548424
Ion Ratio Lower Upper
43 100
58 35.4 28.2 42.2

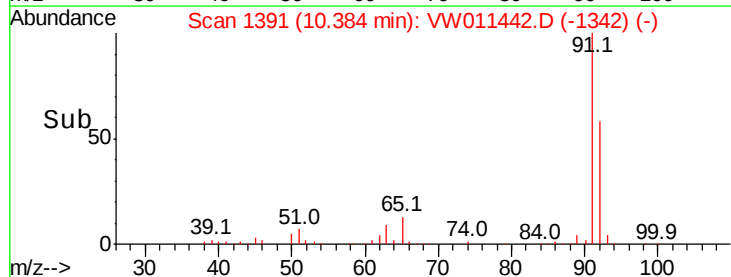
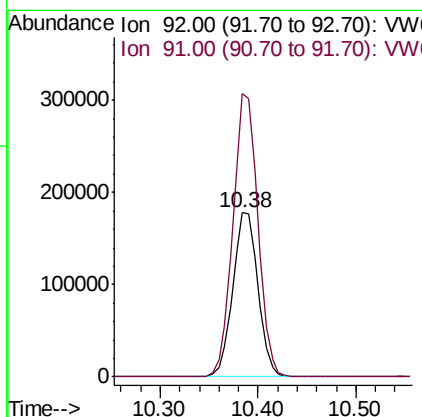
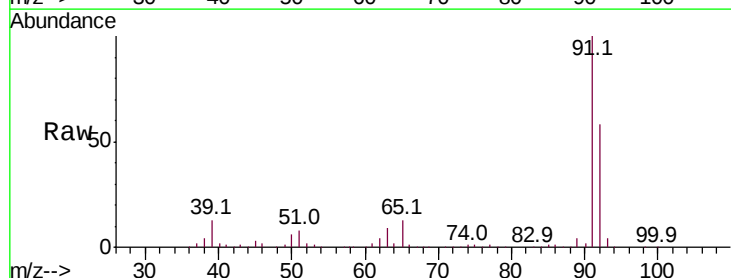
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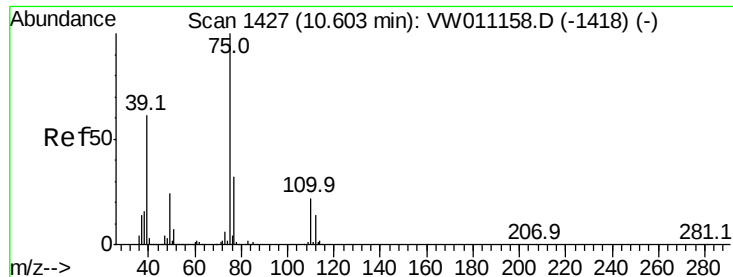
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#52
Toluene
Concen: 49.261 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 92 Resp: 316389
Ion Ratio Lower Upper
92 100
91 171.5 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 49.017 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

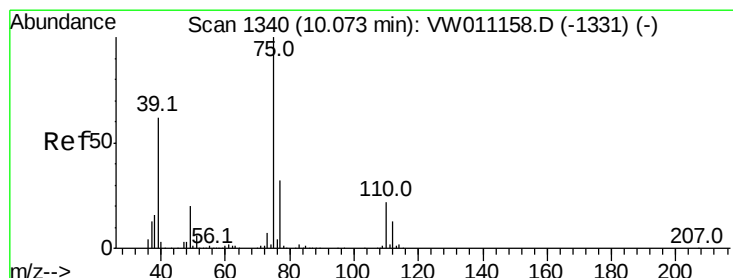
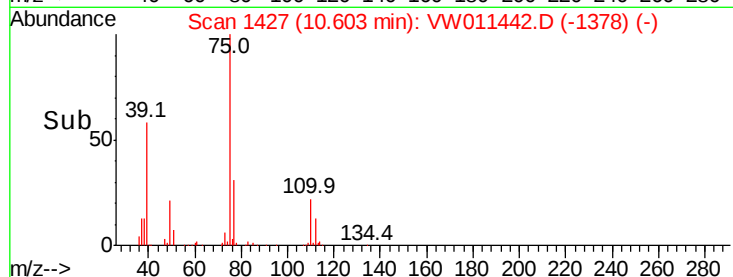
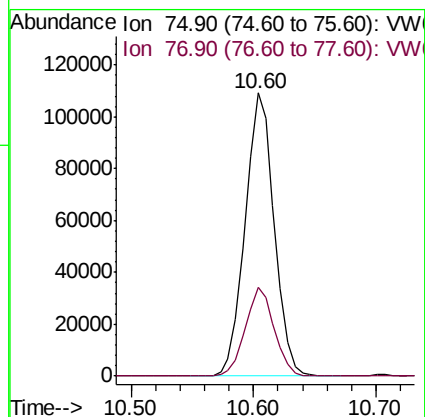
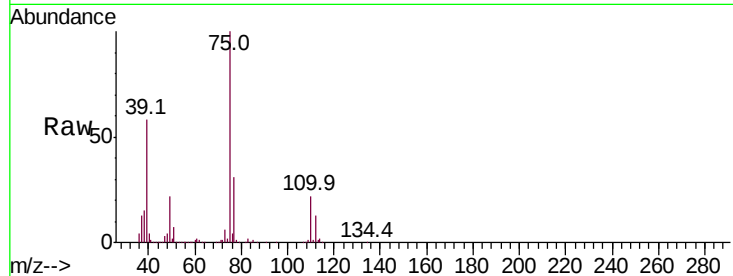
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 48.678 ug/l

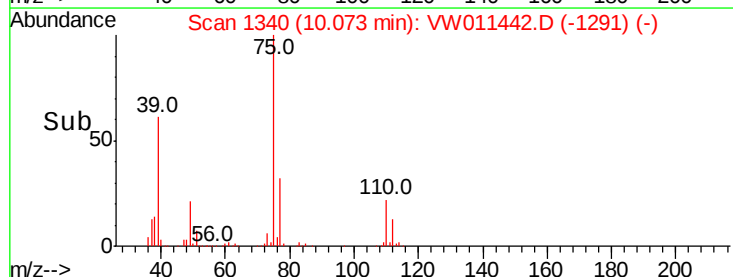
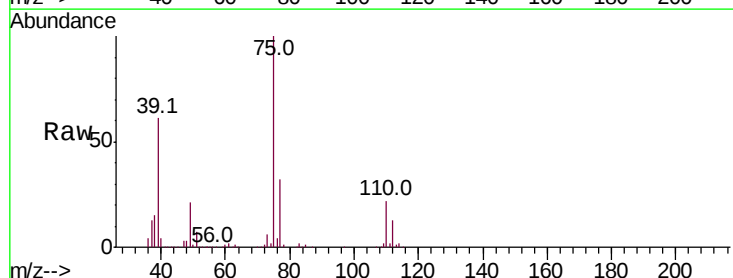
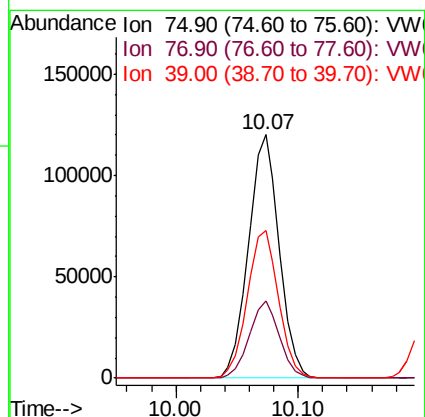
RT: 10.07 min Scan# 1340

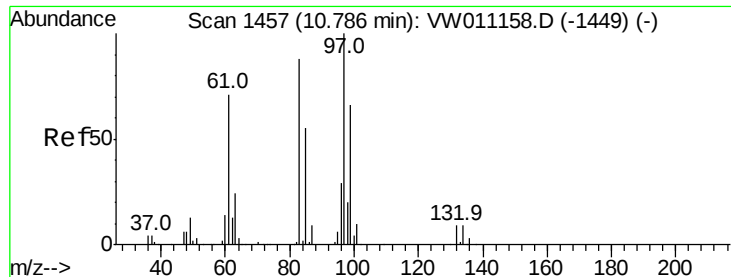
Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	60.5	49.8	74.8





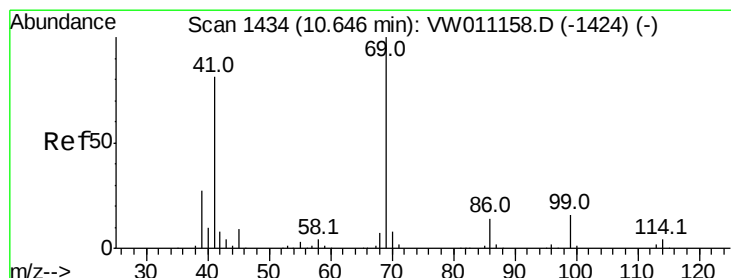
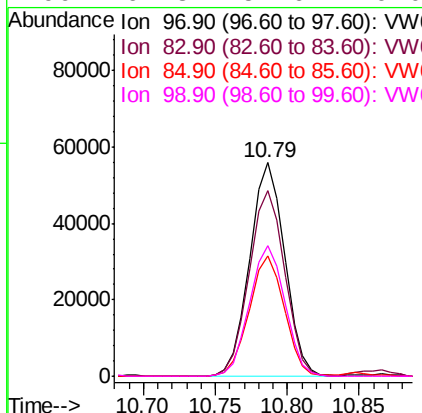
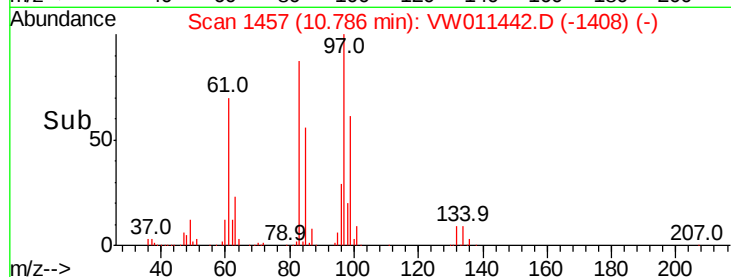
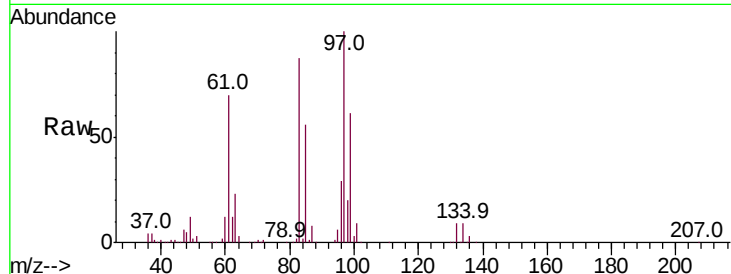
#55
 1,1,2-Trichloroethane
 Concen: 49.114 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	93842
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.2	105.4
85	56.2	44.2	66.2
99	61.3	52.6	79.0

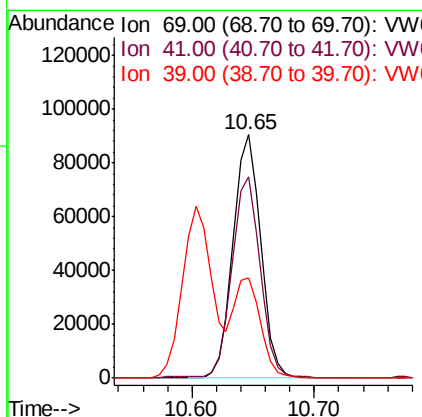
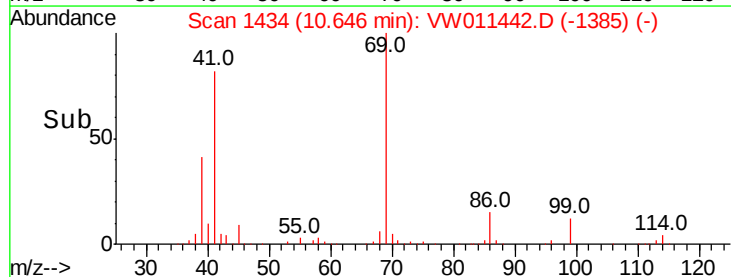
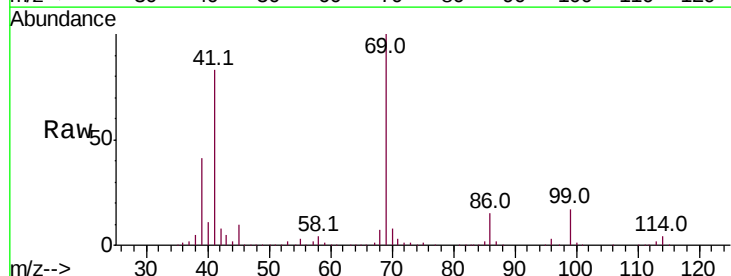
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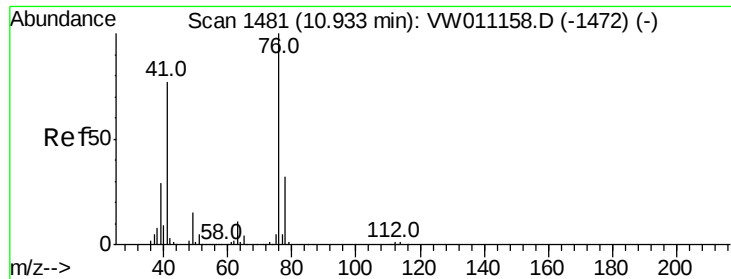
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#56
 Ethyl methacrylate
 Concen: 48.819 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion:	69	Resp:	142013
Ion	Ratio	Lower	Upper
69	100		
41	84.3	66.5	99.7
39	38.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 49.013 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 177089

Ion Ratio Lower Upper

76 100

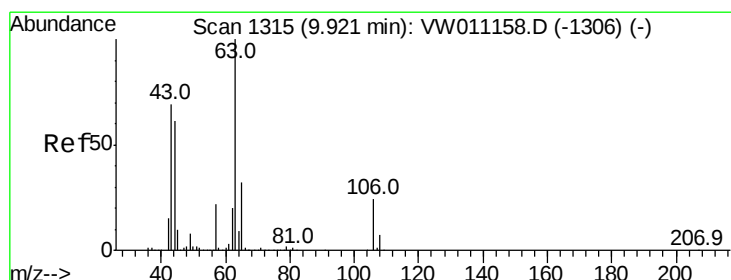
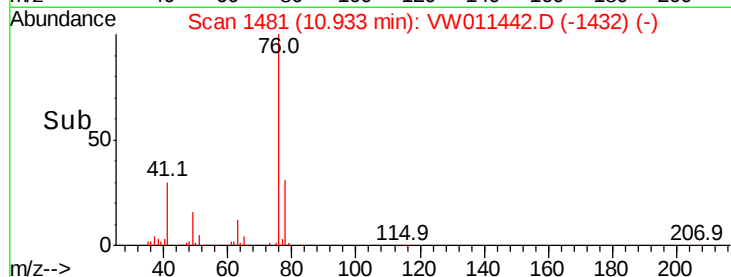
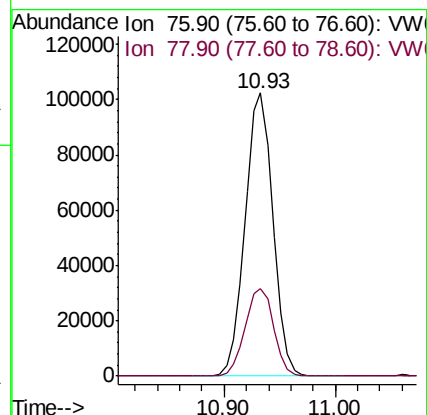
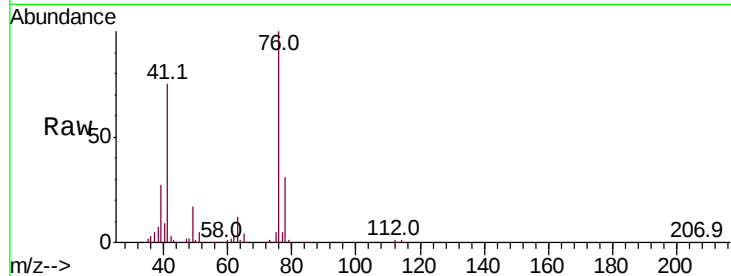
78 31.8 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 237.943 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011442.D

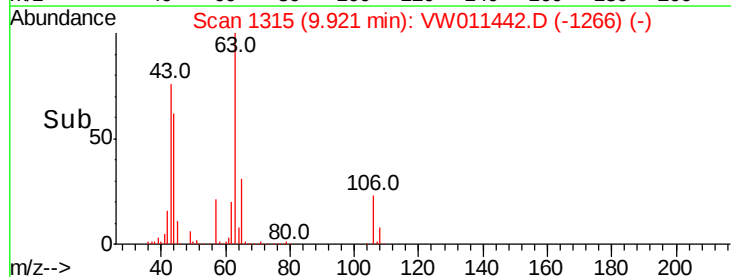
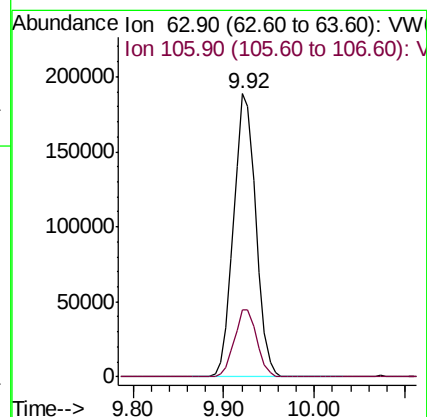
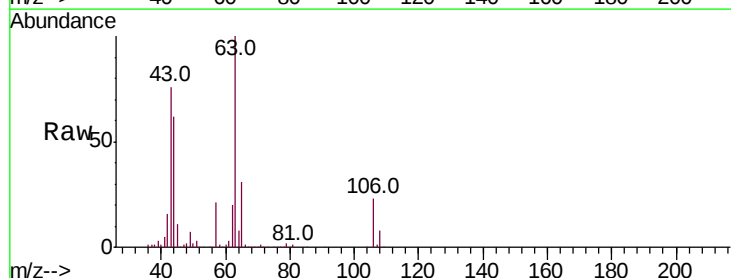
Acq: 23 Jul 2019 19:34

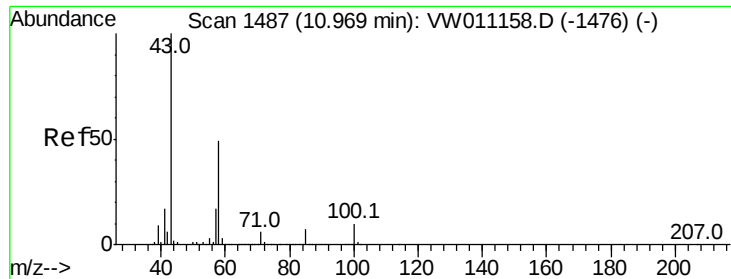
Tgt Ion: 63 Resp: 320891

Ion Ratio Lower Upper

63 100

106 24.1 19.4 29.0





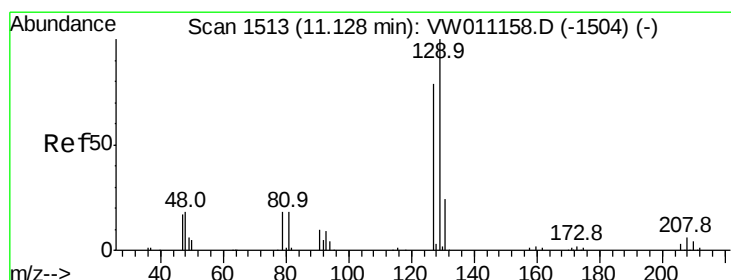
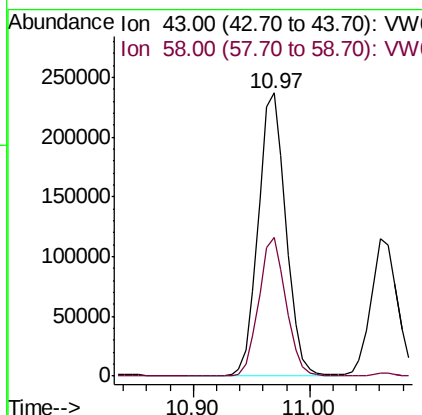
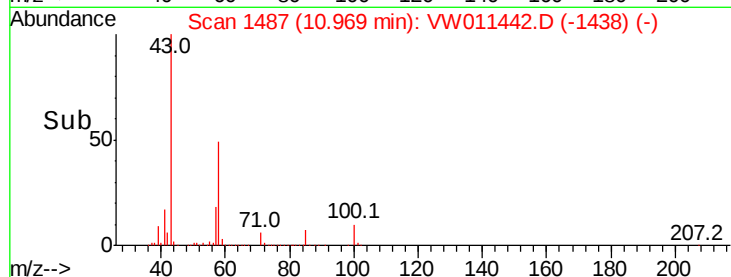
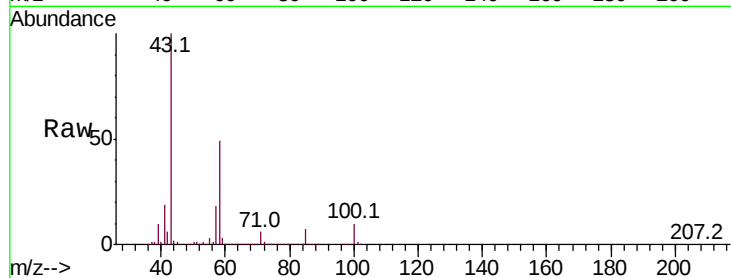
#59
2-Hexanone
Concen: 247.757 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 390056
Ion Ratio Lower Upper
43 100
58 48.4 24.4 73.4

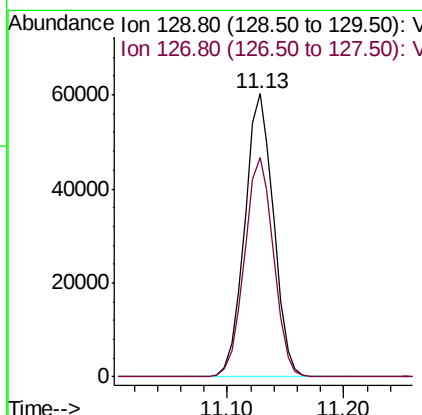
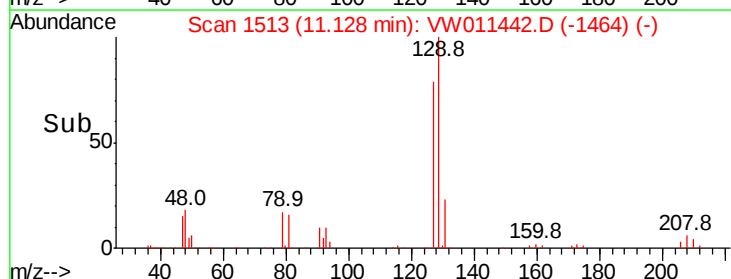
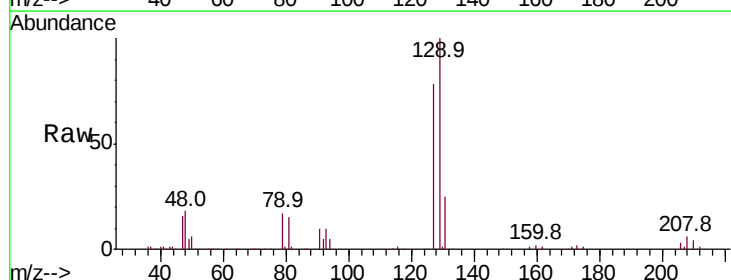
Manual Integrations
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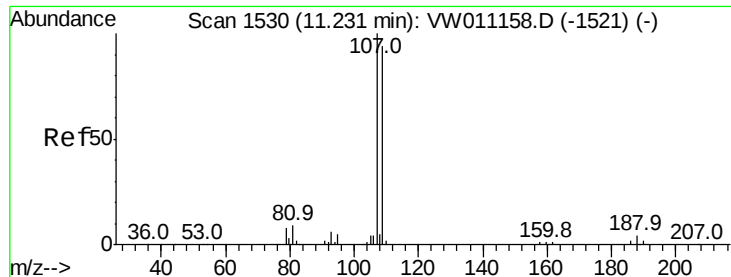
MMDadoda
7/25/2019 3:10:43 PM



#60
Dibromochloromethane
Concen: 49.623 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 129 Resp: 103971
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 48.660 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 88068

Ion Ratio Lower Upper

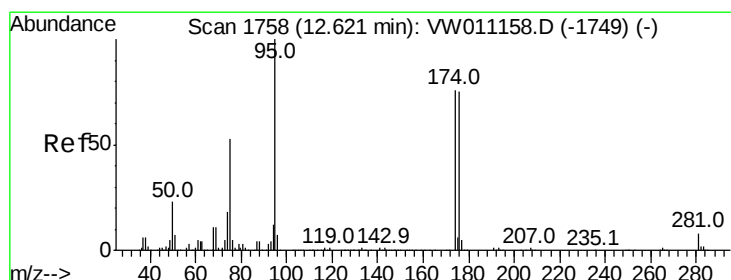
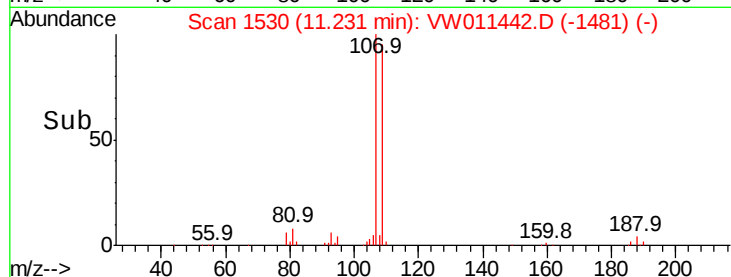
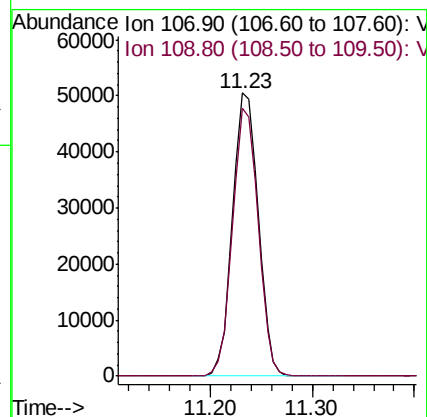
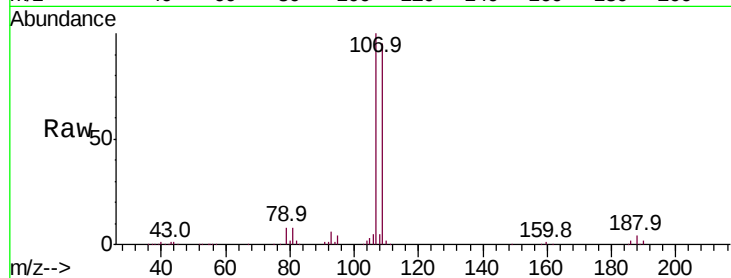
107 100

109 94.4 75.2 112.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 45.028 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

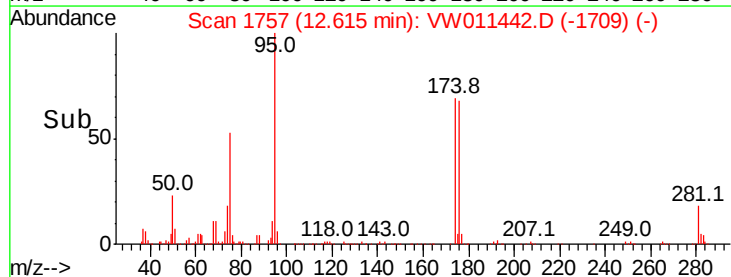
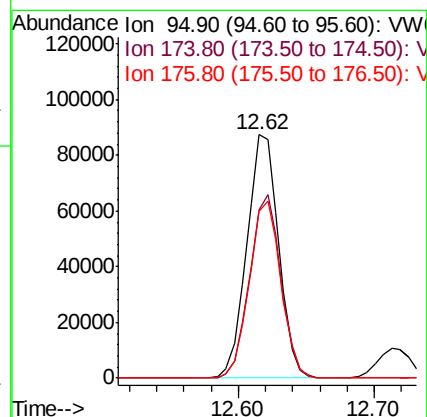
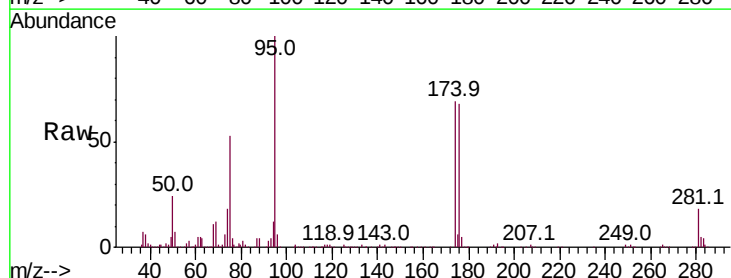
Tgt Ion: 95 Resp: 143054

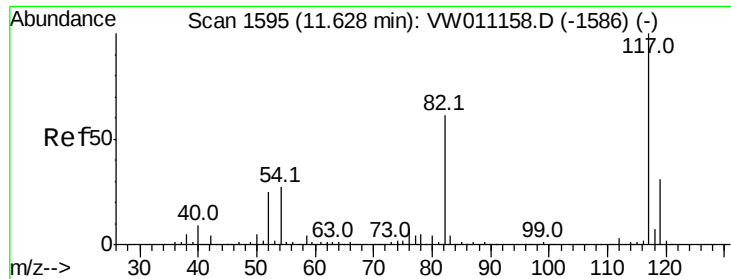
Ion Ratio Lower Upper

95 100

174 74.0 0.0 147.6

176 72.3 0.0 144.6





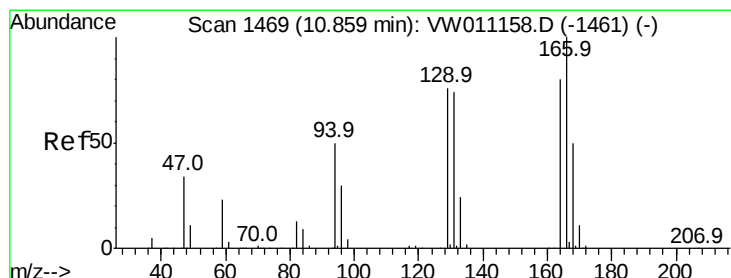
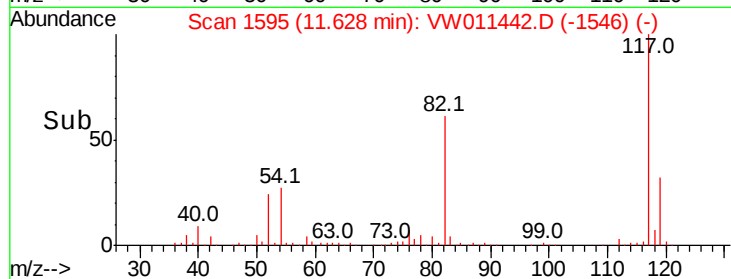
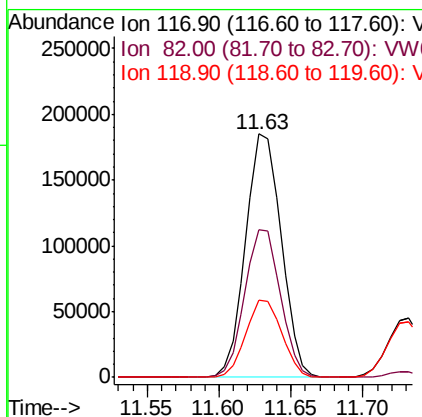
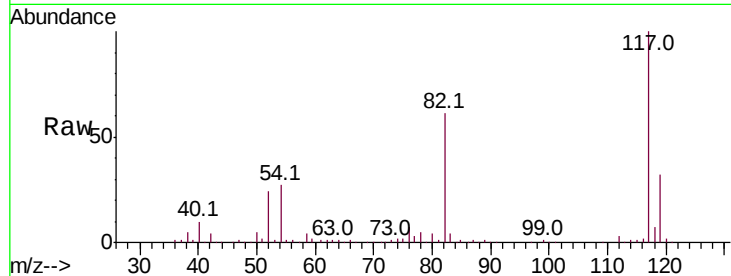
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	318877		
82	60.8	48.9	73.3	
119	31.8	25.0	37.6	

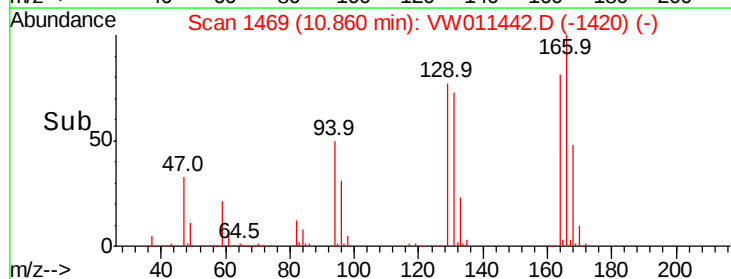
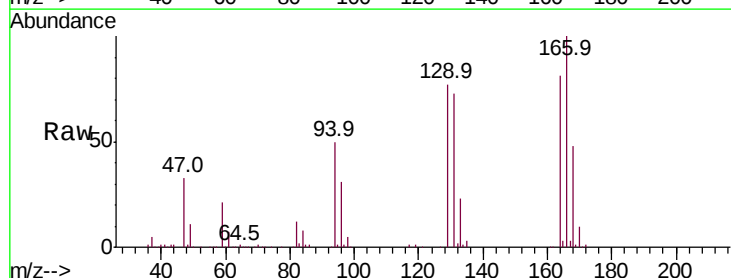
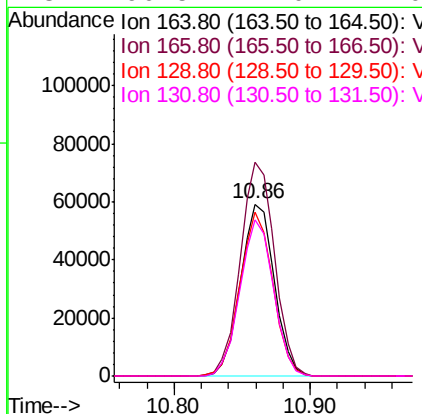
Manual Integrations
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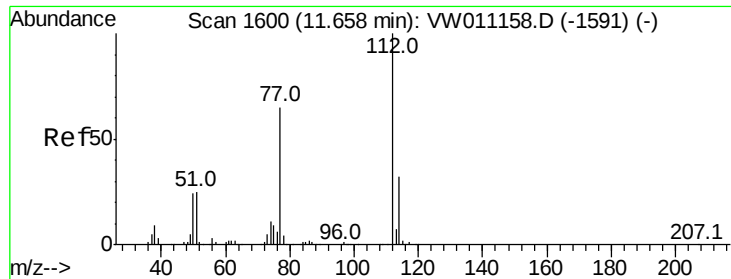
MMDadoda
7/25/2019 3:10:43 PM



#64
Tetrachloroethene
Concen: 47.806 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102864		
166	124.2	99.7	149.5	
129	95.1	76.2	114.2	
131	90.5	74.0	111.0	





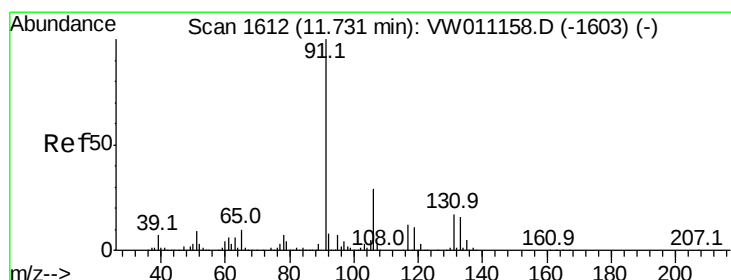
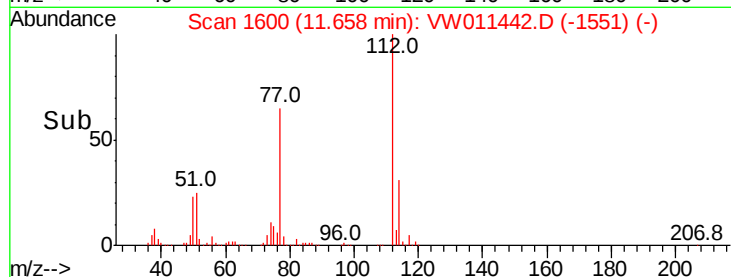
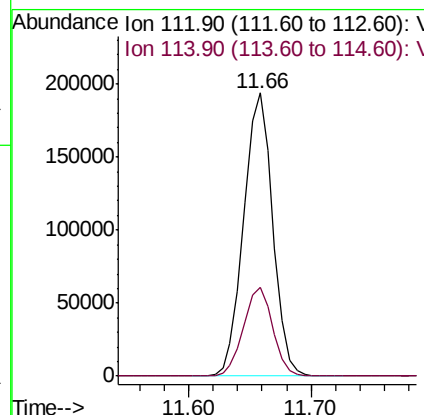
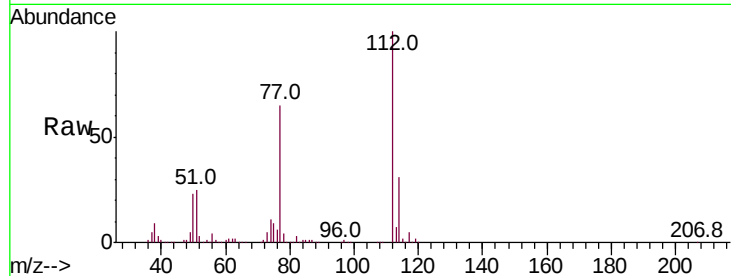
#65
Chlorobenzene
Concen: 49.190 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.5	38.3

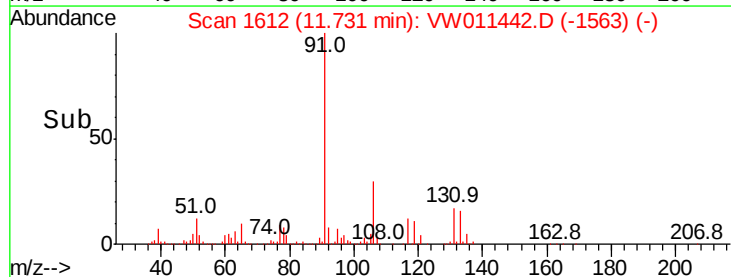
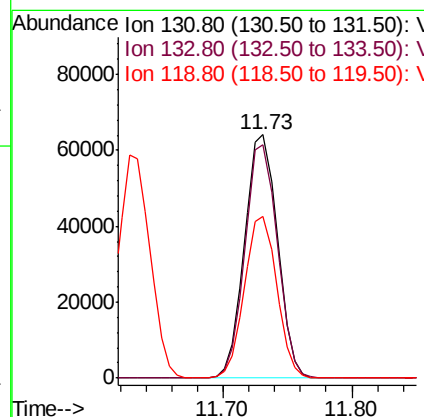
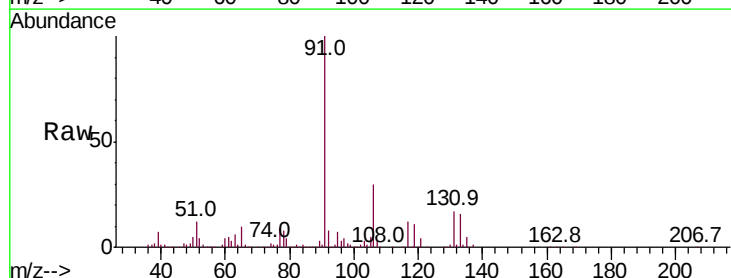
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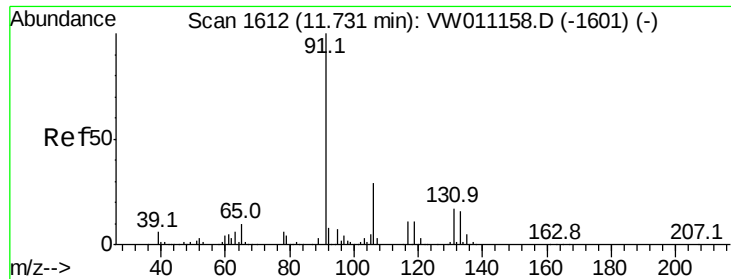
MMDadoda
7/25/2019 3:10:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.521 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.9	143.8
119	65.5	33.1	99.2





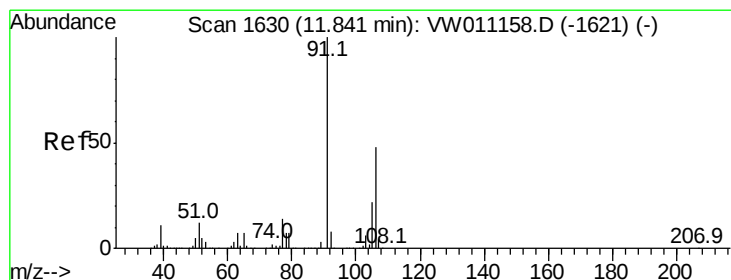
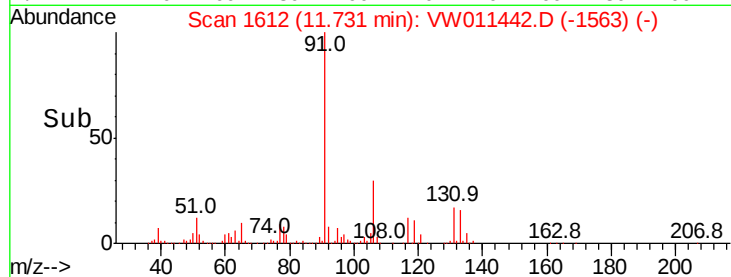
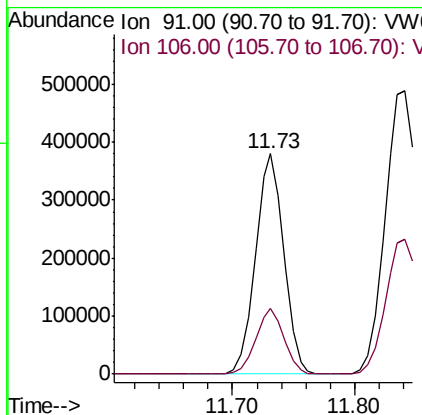
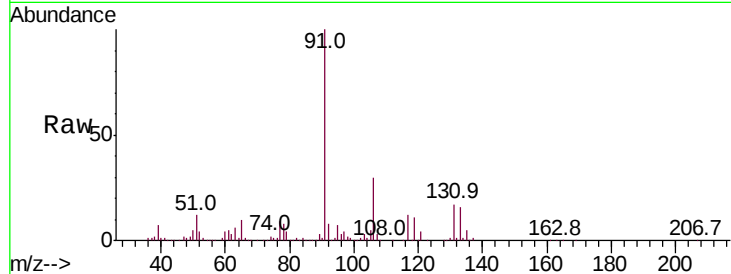
#67
Ethyl Benzene
Concen: 49.197 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 610589
Ion Ratio Lower Upper
91 100
106 29.8 23.5 35.3

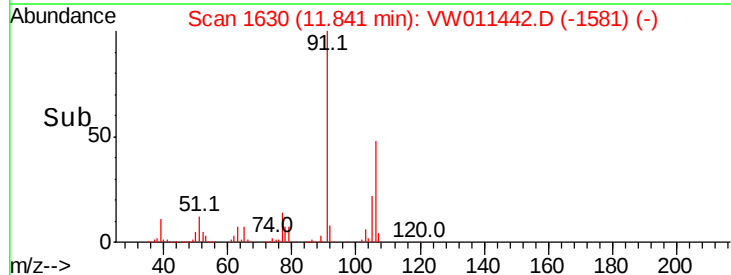
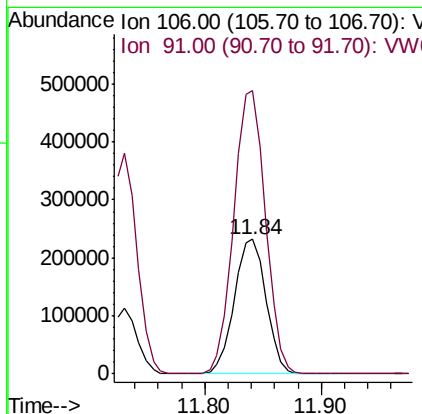
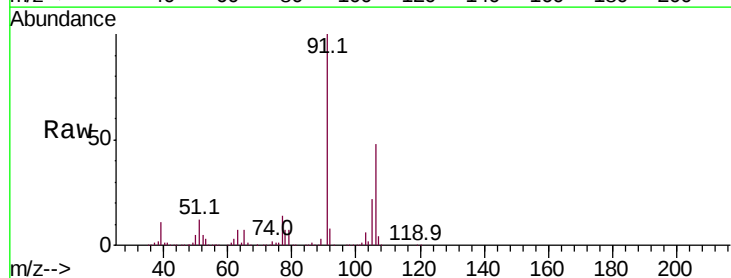
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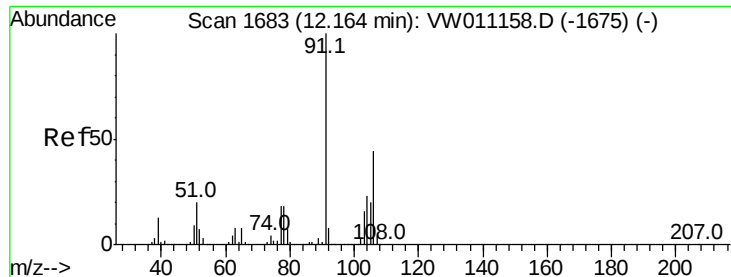
MMDadoda
7/25/2019 3:10:43 PM



#68
m/p-Xylenes
Concen: 98.454 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion: 106 Resp: 442140
Ion Ratio Lower Upper
106 100
91 209.9 167.7 251.5





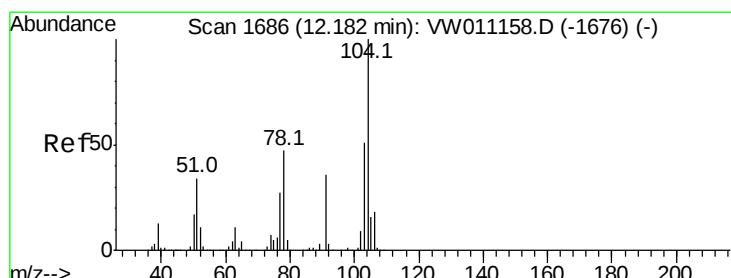
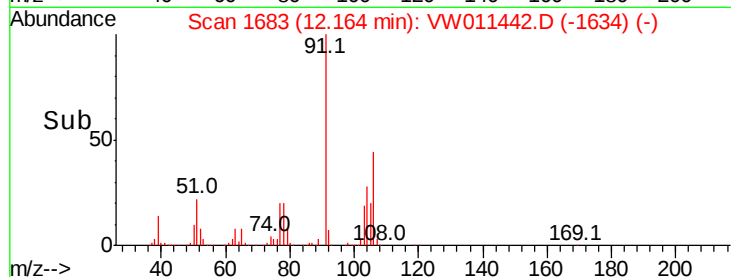
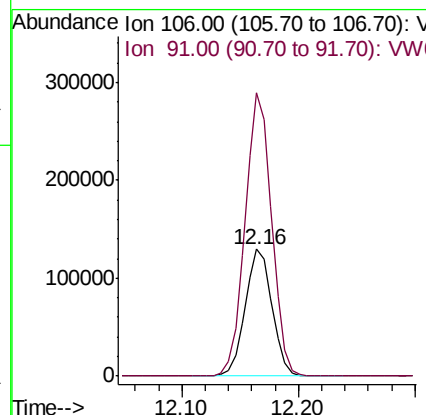
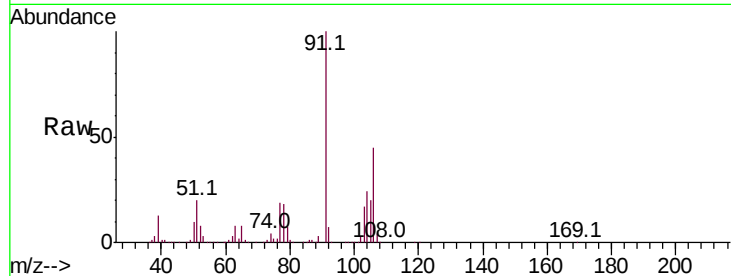
#69
o-Xylene
Concen: 49.048 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 207605
Ion Ratio Lower Upper
106 100
91 221.0 110.7 332.1

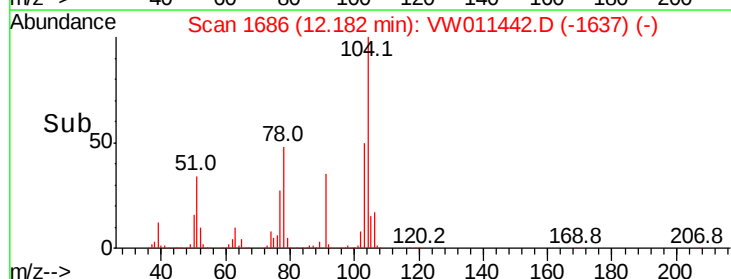
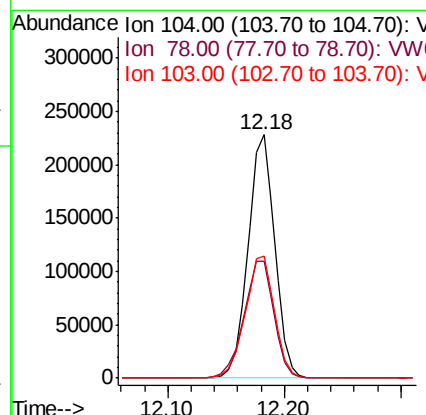
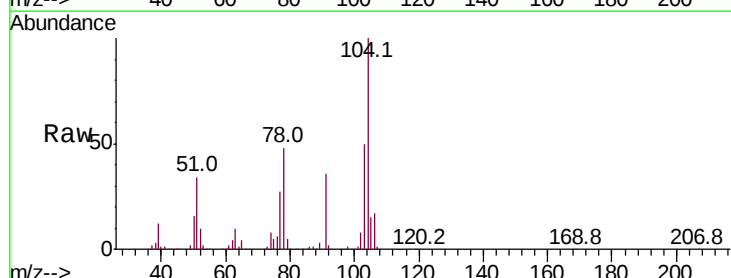
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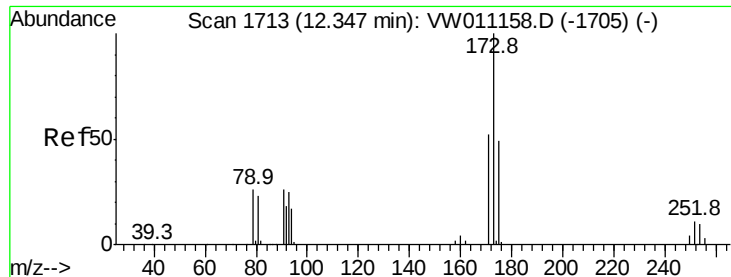
MMDadoda
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#70
Styrene
Concen: 50.042 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion:104 Resp: 365552
Ion Ratio Lower Upper
104 100
78 53.6 43.1 64.7
103 54.8 44.1 66.1





#71

Bromoform

Concen: 48.384 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 58723

Ion Ratio Lower Upper

173 100

175 49.3 24.8 74.3

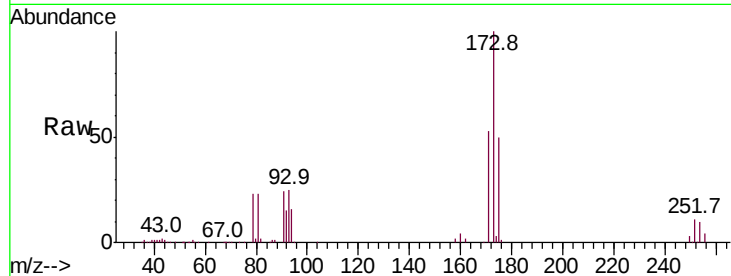
254 0.0 0.0 0.0#

Manual Integrations

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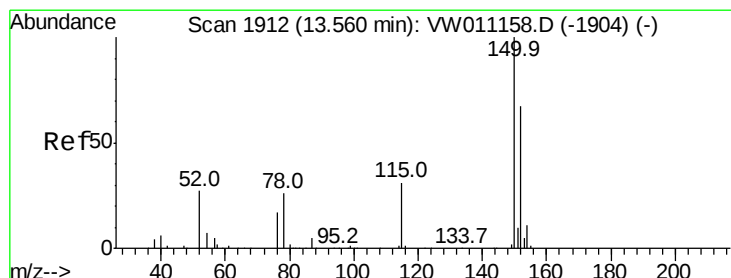
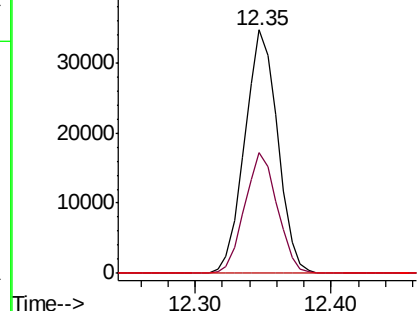
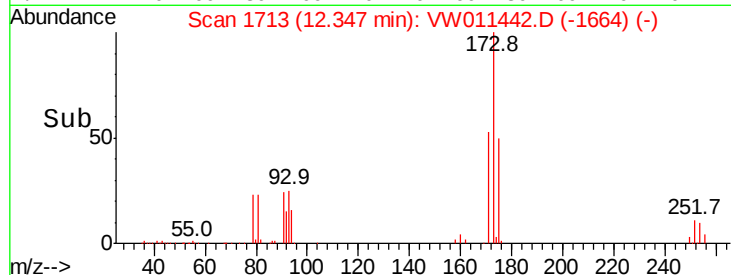
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

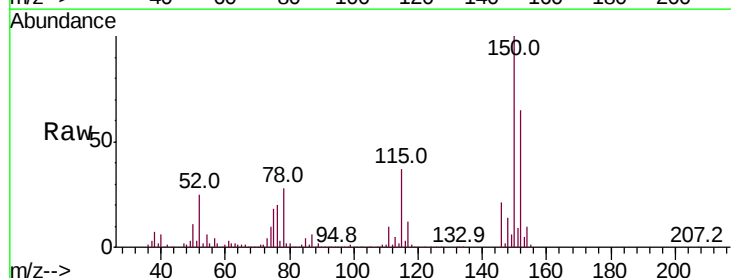
Tgt Ion:152 Resp: 154572

Ion Ratio Lower Upper

152 100

115 60.0 30.1 90.3

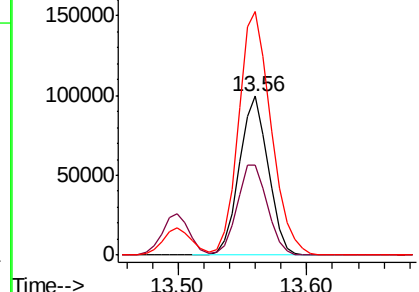
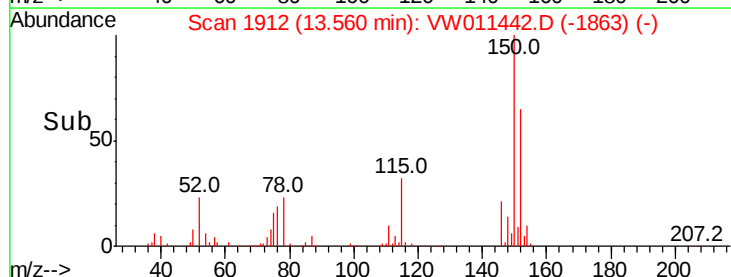
150 172.5 0.0 346.0

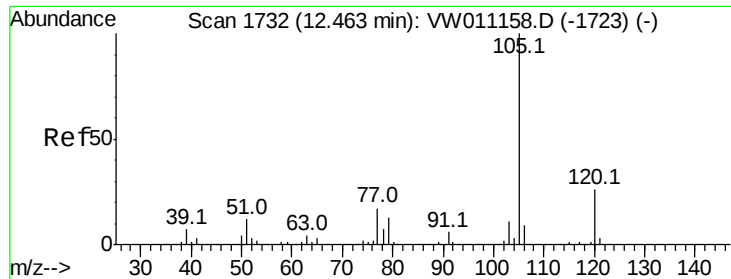


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.288 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 581071

Ion Ratio Lower Upper

105 100

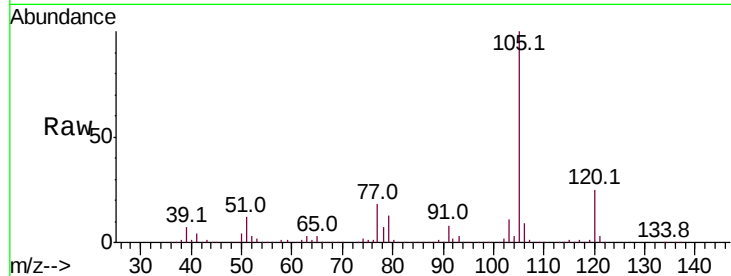
120 25.4 12.8 38.3

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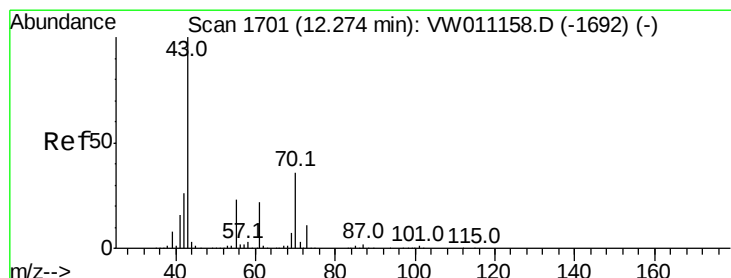
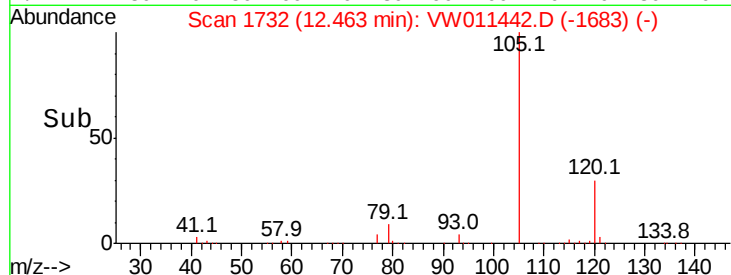
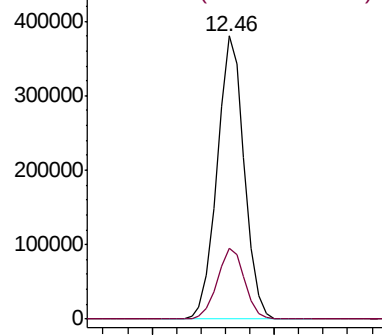
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.984 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion: 43 Resp: 193101

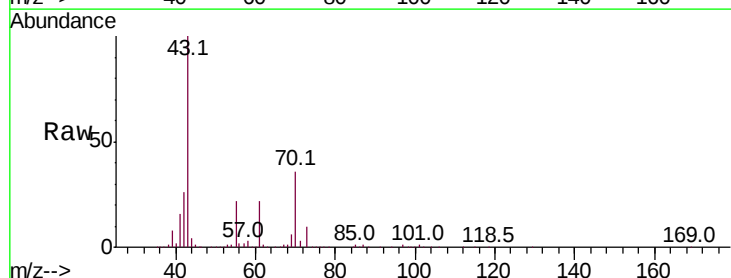
Ion Ratio Lower Upper

43 100

70 35.9 28.5 42.7

55 22.2 18.1 27.1

61 21.8 17.2 25.8

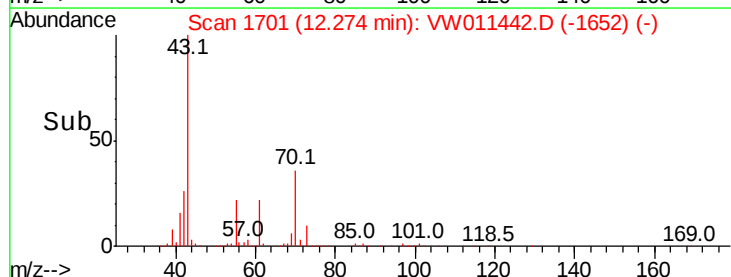
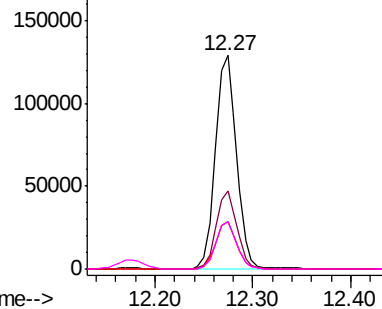


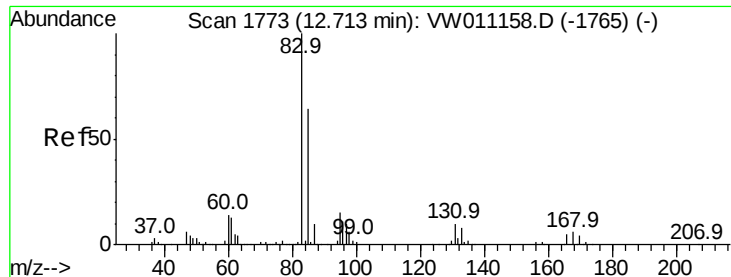
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 47.935 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 113537
Ion Ratio Lower Upper

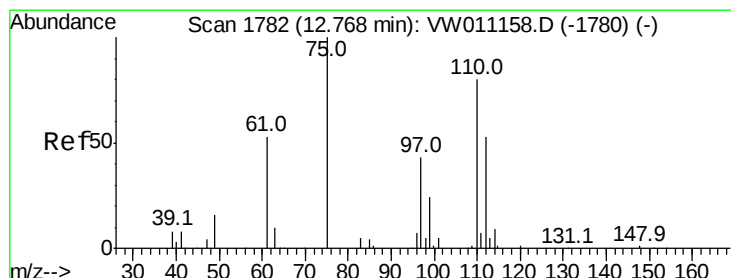
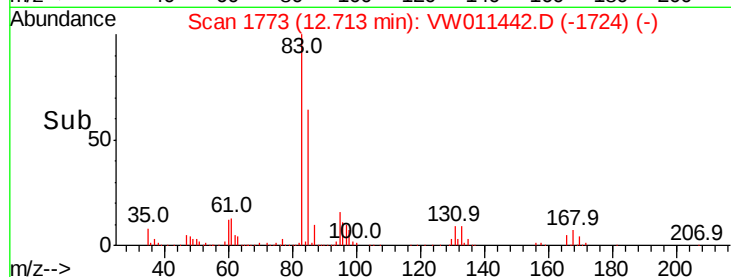
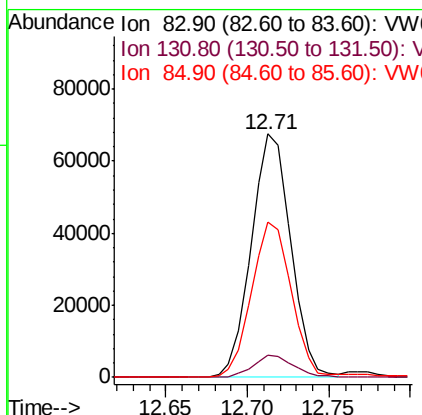
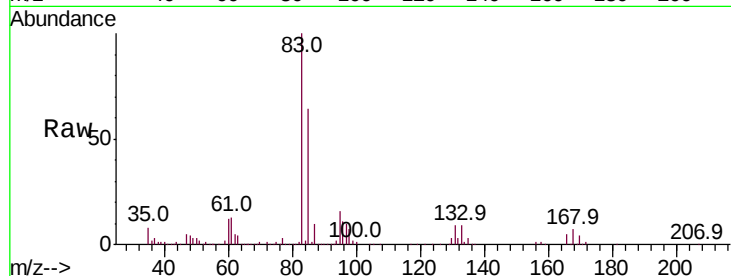
83 100

131 9.5 5.0 15.0

85 64.0 31.6 94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.795 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

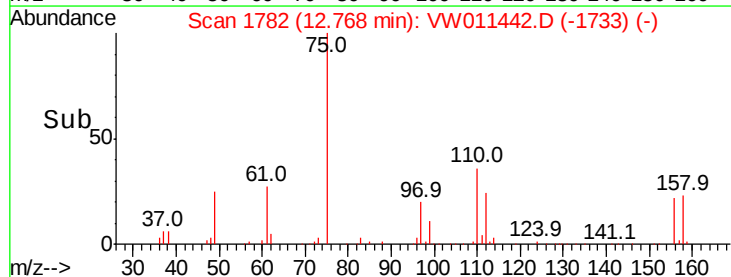
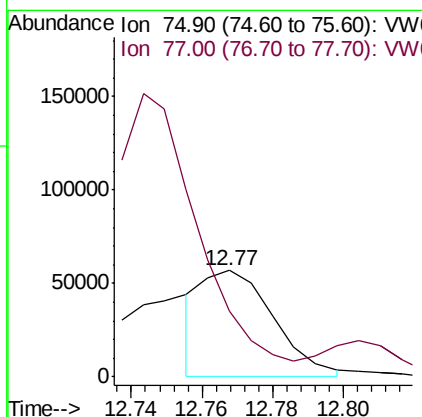
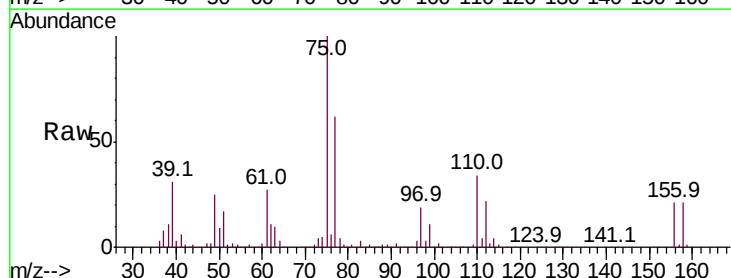
Lab File: VW011442.D

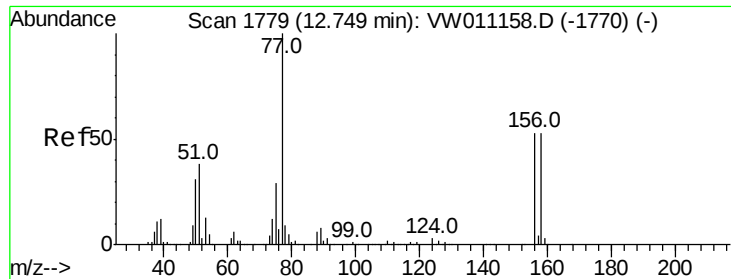
Acq: 23 Jul 2019 19:34

Tgt Ion: 75 Resp: 80016
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.343 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

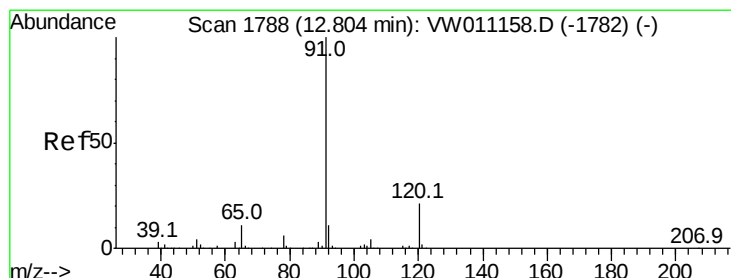
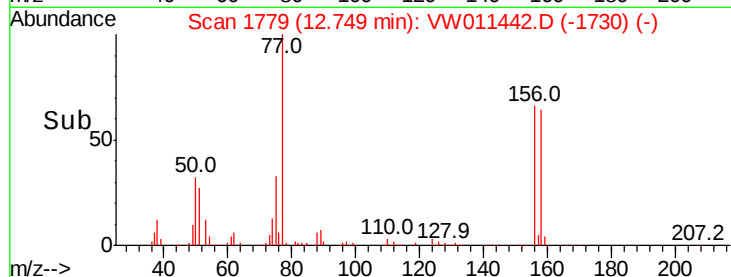
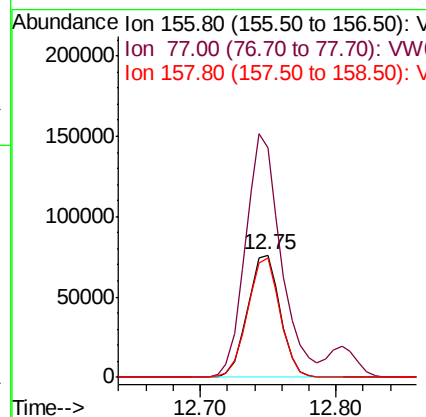
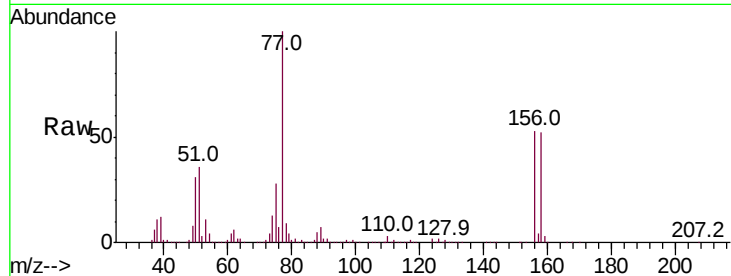
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.7	109.0	327.0
158	97.1	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 49.551 ug/l

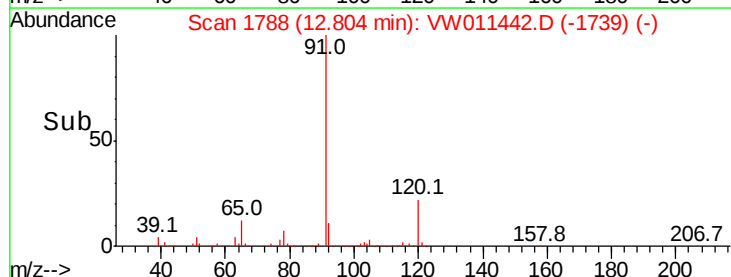
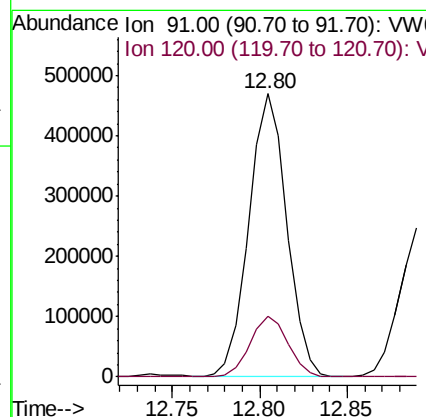
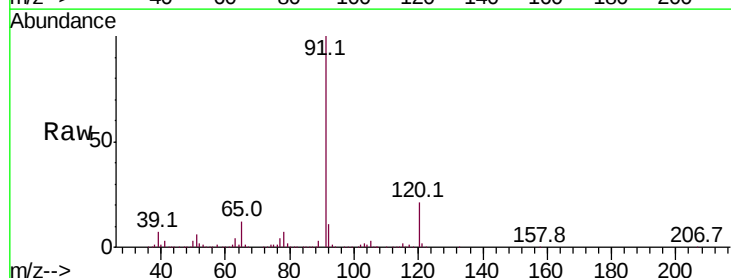
RT: 12.80 min Scan# 1788

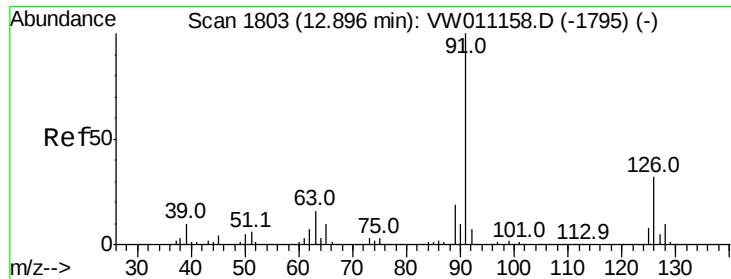
Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 48.908 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 400600

Ion Ratio Lower Upper

91 100

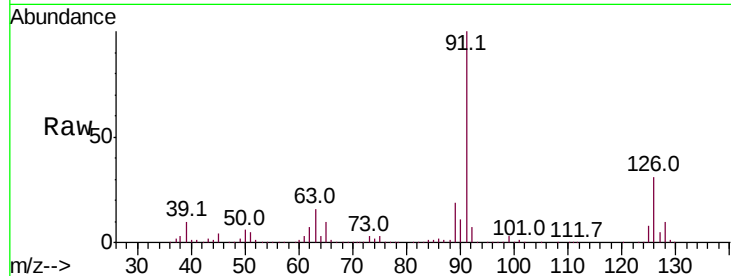
126 31.5 15.8 47.3

Manual Integrations

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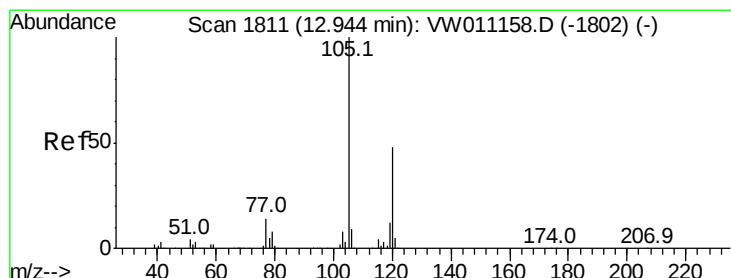
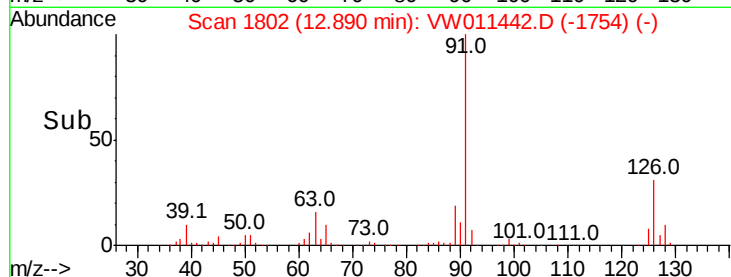
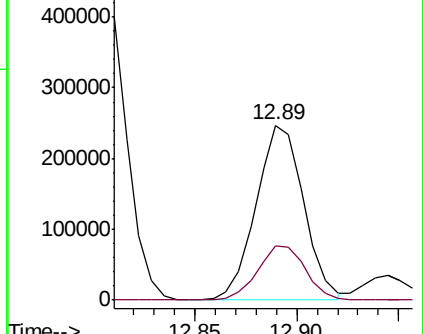
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.821 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011442.D

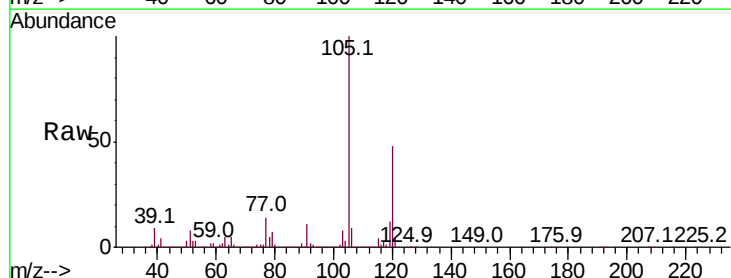
Acq: 23 Jul 2019 19:34

Tgt Ion:105 Resp: 489062

Ion Ratio Lower Upper

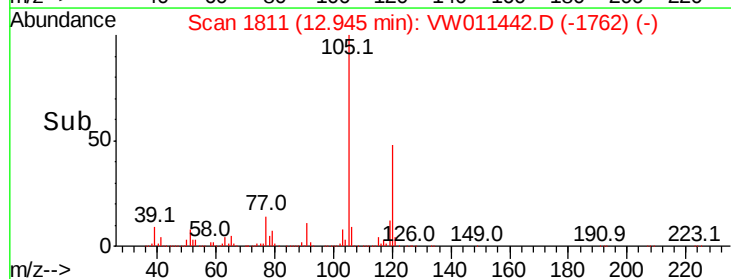
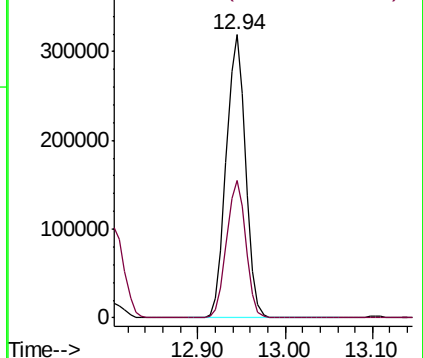
105 100

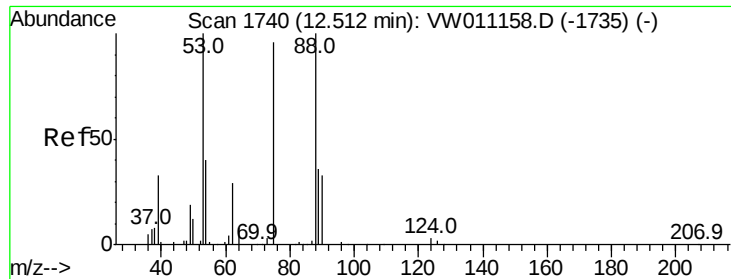
120 48.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





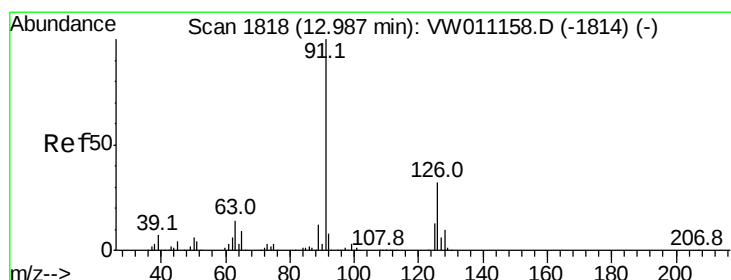
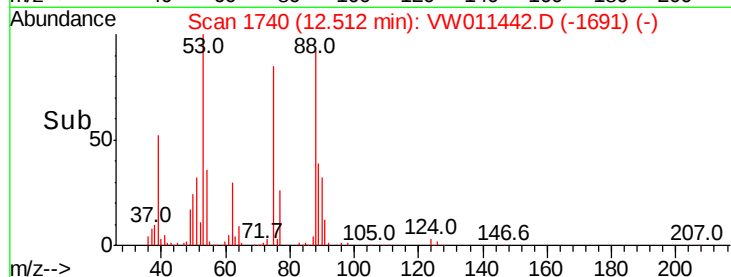
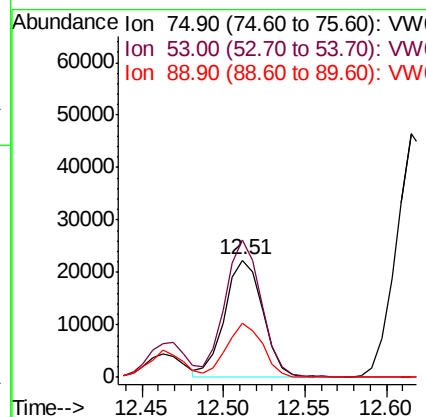
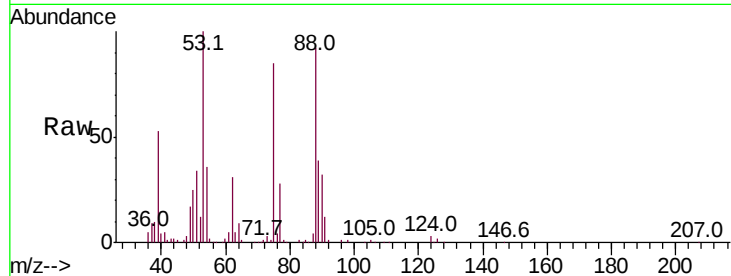
#81
trans-1,4-Dichloro-2-butene
Concen: 46.205 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.4	89.8	134.6
89	43.4	34.3	51.5

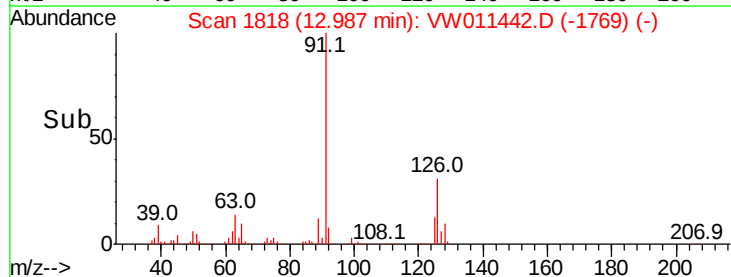
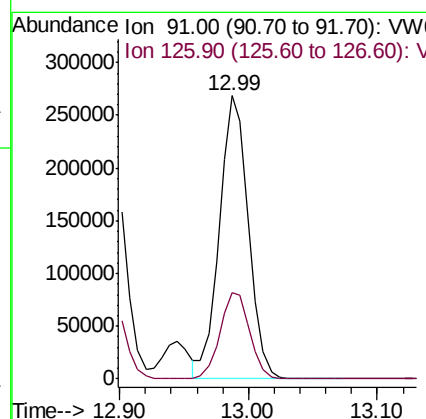
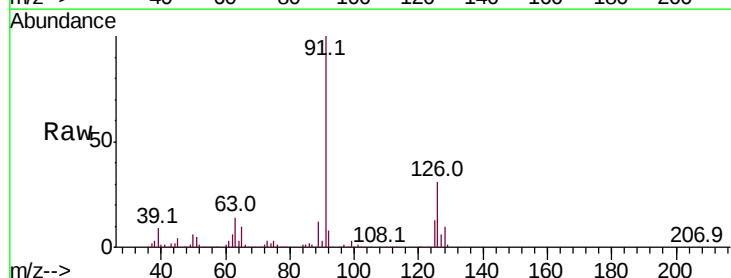
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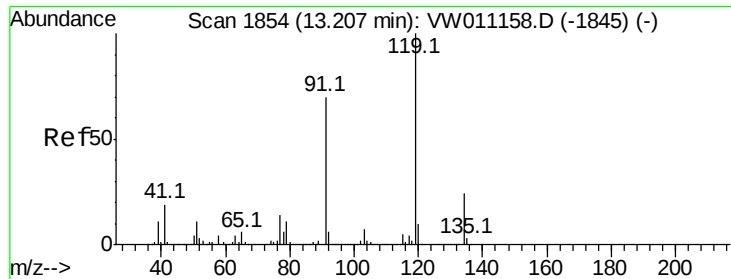
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#82
4-Chlorotoluene
Concen: 49.715 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1





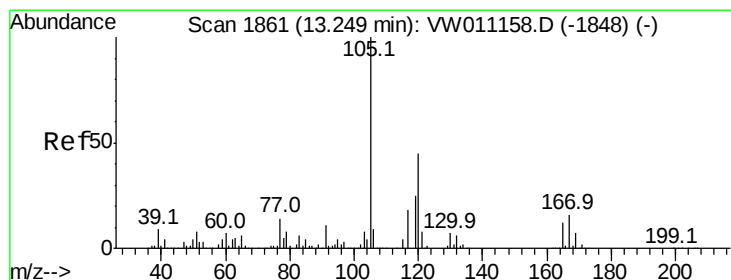
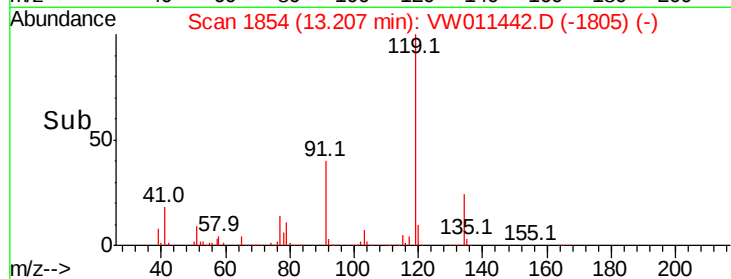
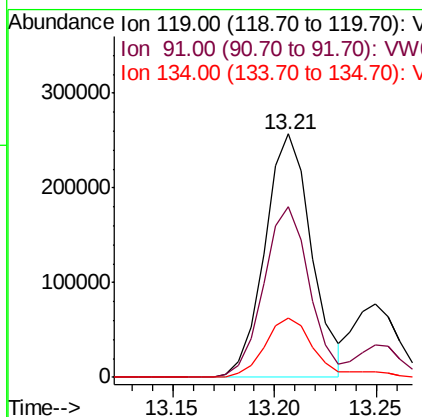
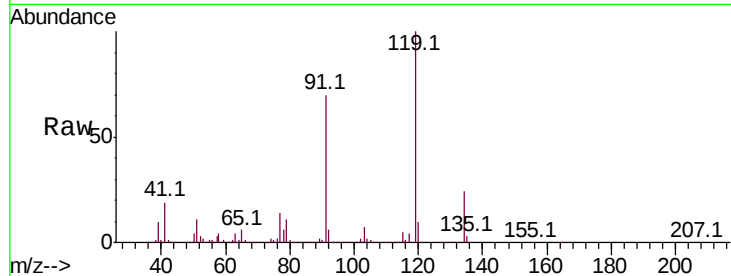
#83
tert-Butylbenzene
Concen: 50.053 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	35.4	106.3
134	26.7	13.4	40.2

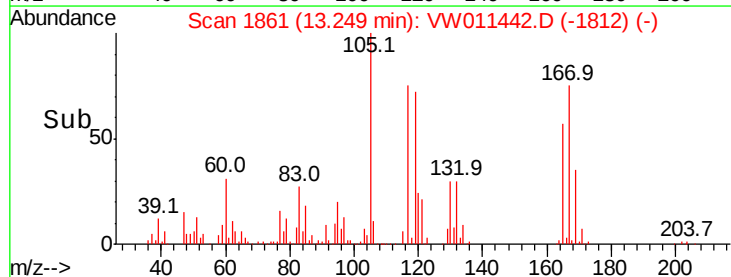
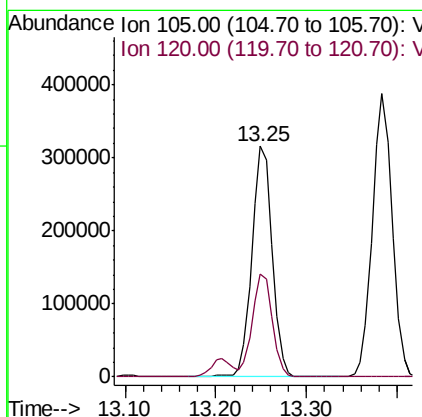
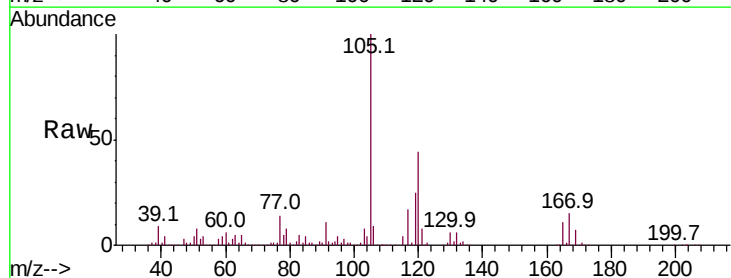
Manual Integrations
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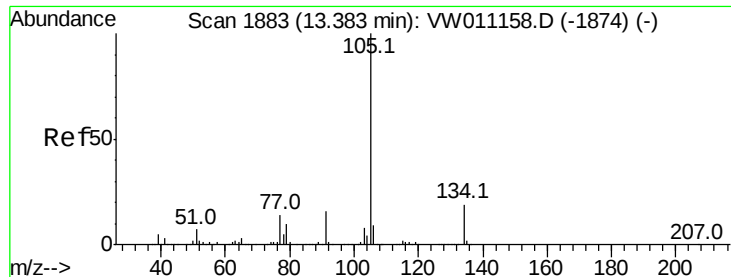
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#84
1,2,4-Trimethylbenzene
Concen: 49.723 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.3	66.9





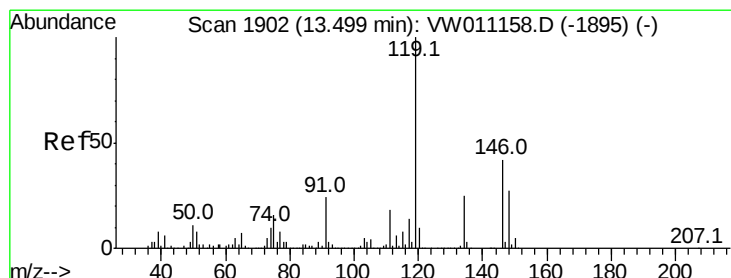
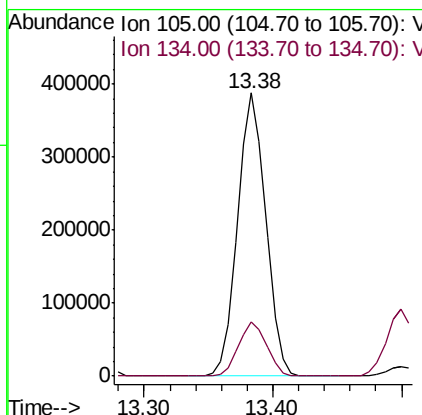
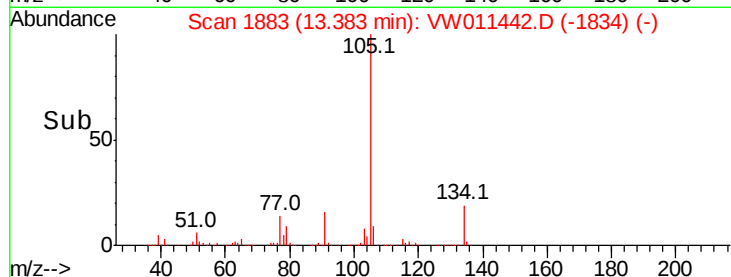
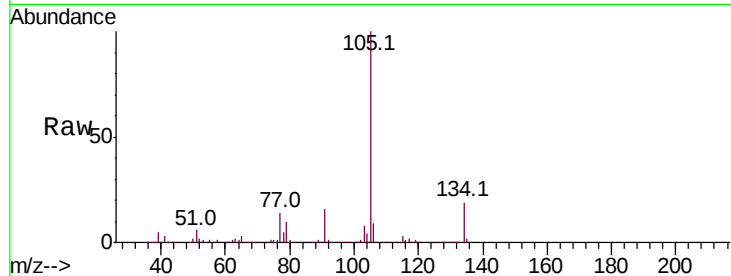
#85
 sec-Butylbenzene
 Concen: 49.712 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

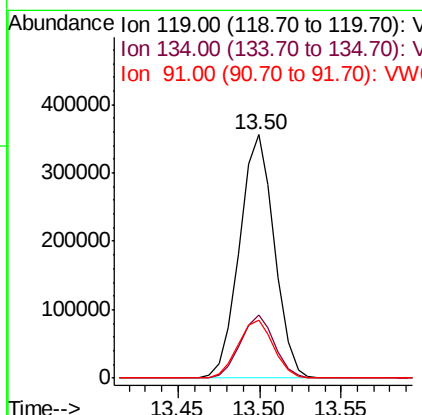
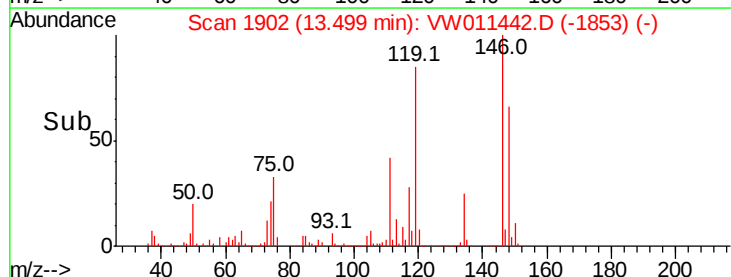
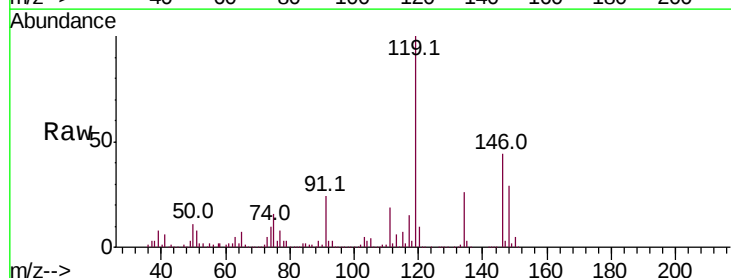
Manual Integrations
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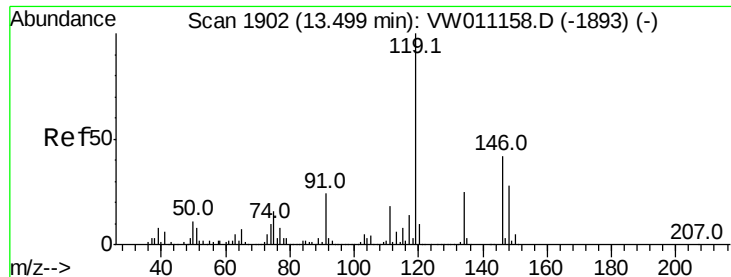
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#86
 p-Isopropyltoluene
 Concen: 49.968 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	24.2	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 49.593 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

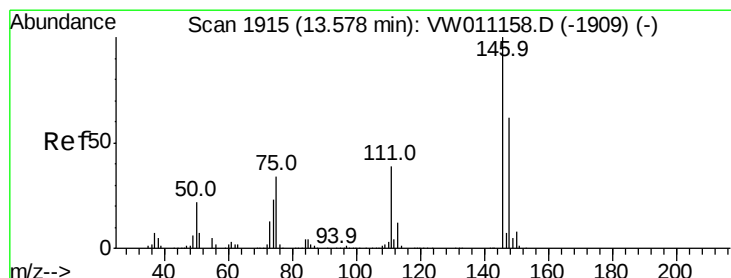
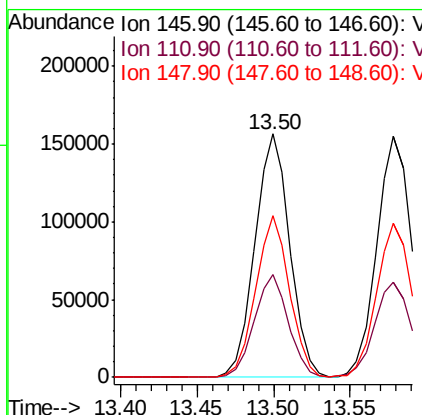
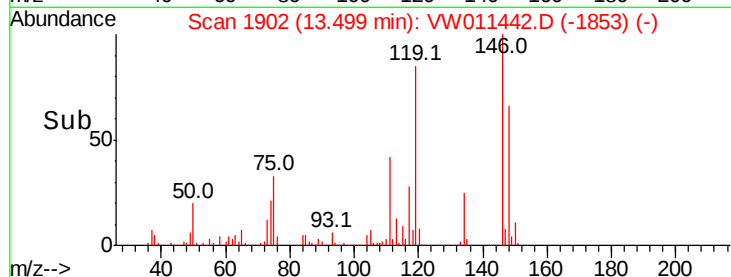
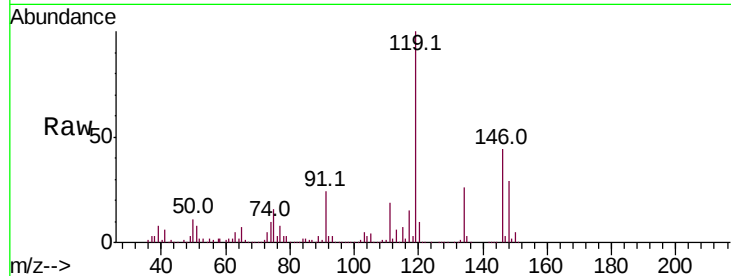
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	247427		
111	41.4	21.1	63.1	
148	64.4	32.6	97.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.740 ug/l

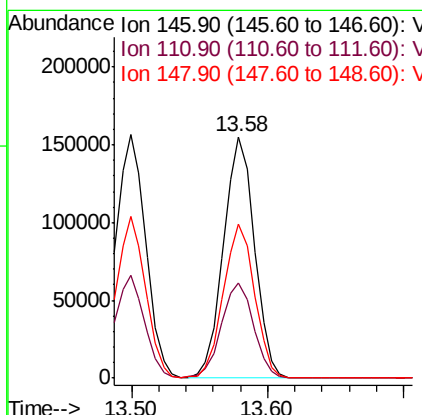
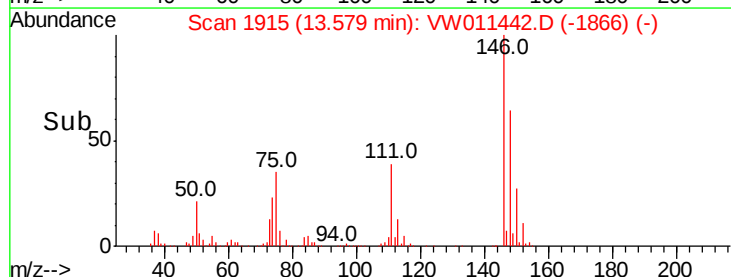
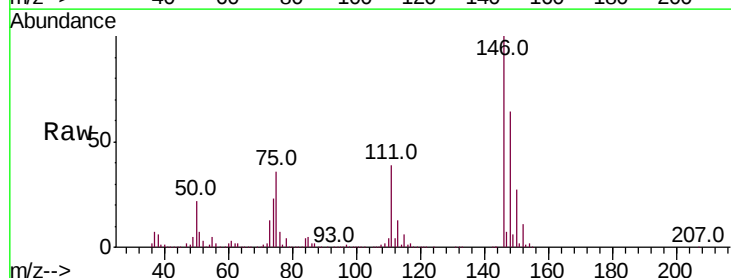
RT: 13.58 min Scan# 1915

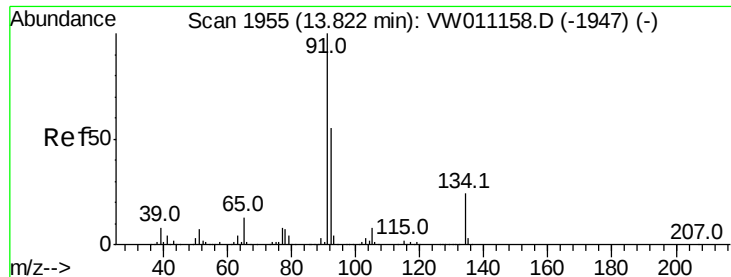
Delta R.T. 0.00 min

Lab File: VW011442.D

Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	244866		
111	40.7	19.9	59.7	
148	64.5	31.5	94.5	





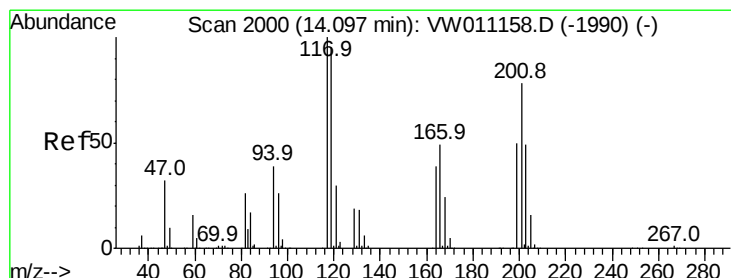
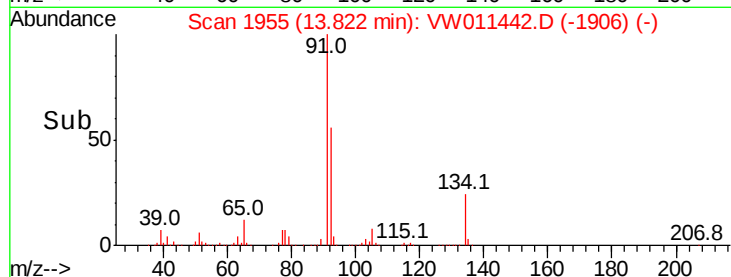
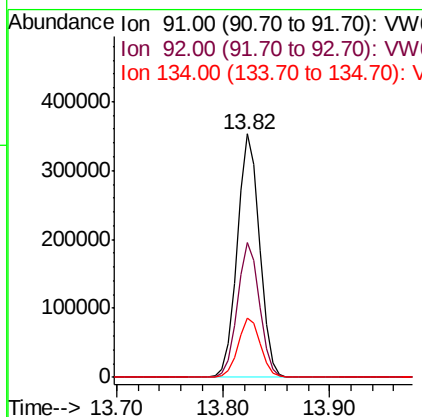
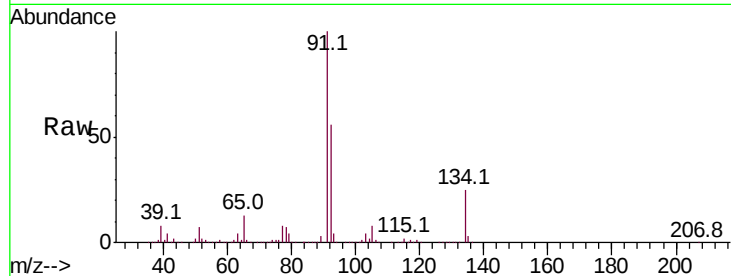
#89
n-Butylbenzene
Concen: 49.237 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	26.9	80.7	
134	24.5	12.2	36.4	

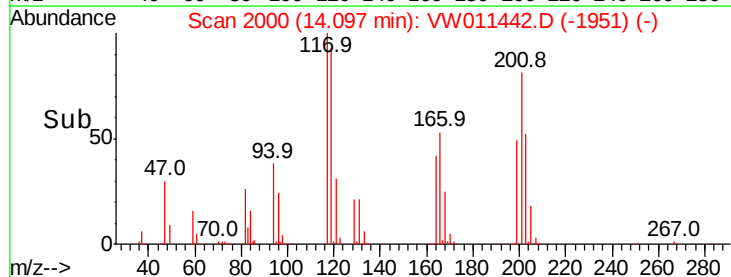
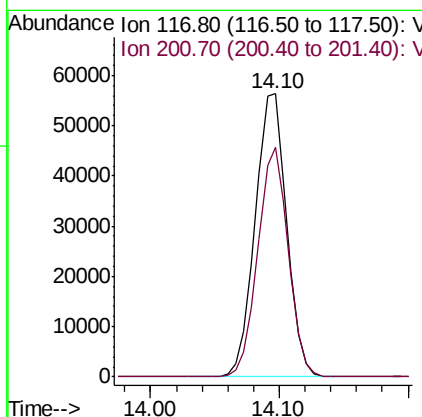
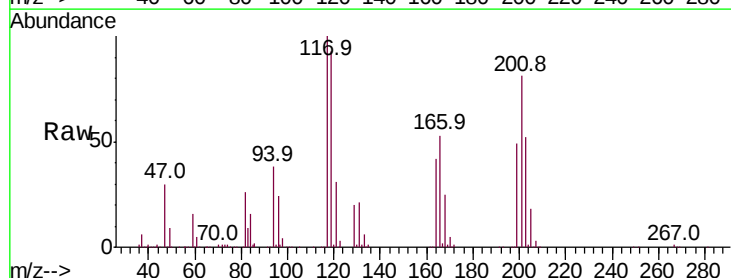
Manual Integrations
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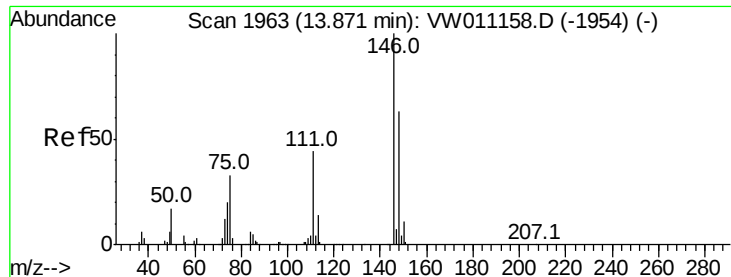
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#90
Hexachloroethane
Concen: 49.003 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	78.2	38.3	114.8	





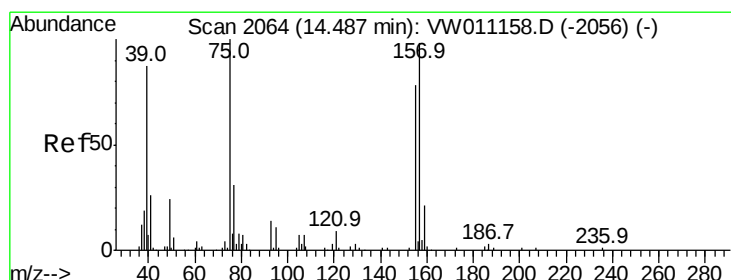
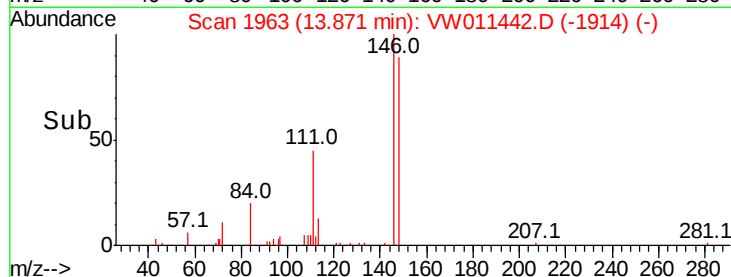
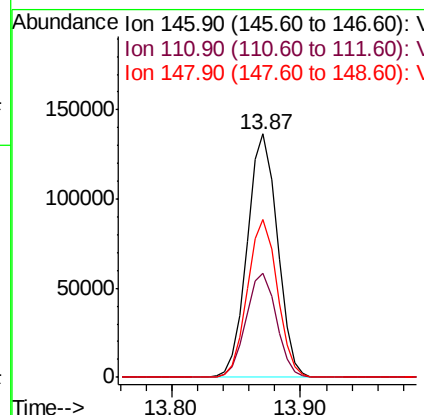
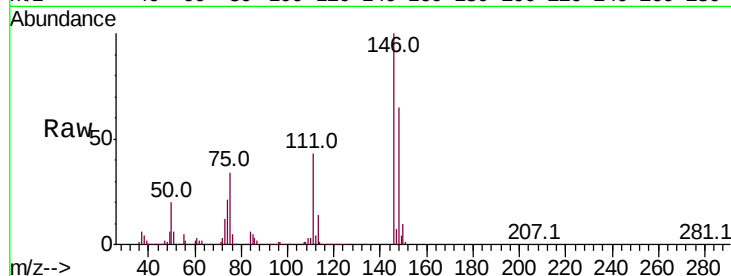
#91
 1,2-Dichlorobenzene
 Concen: 48.765 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	64.1	31.9	95.5

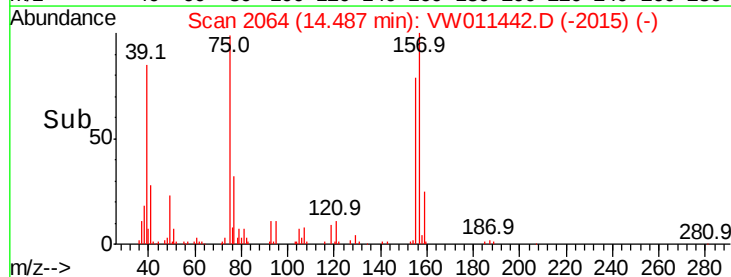
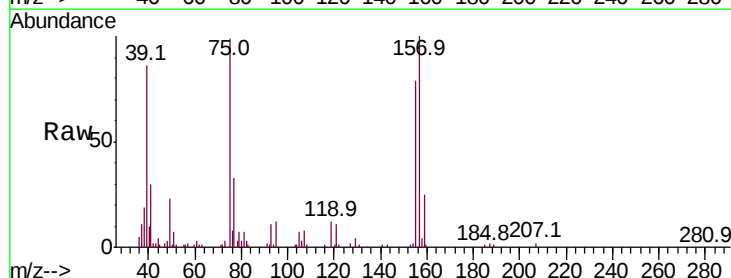
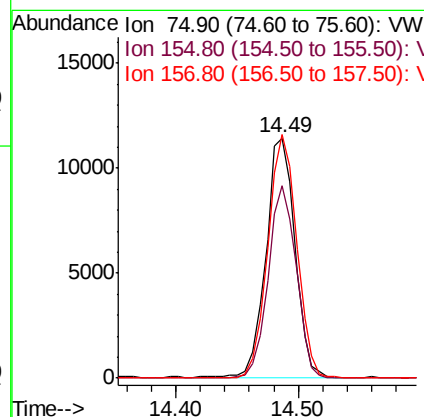
Manual Integrations
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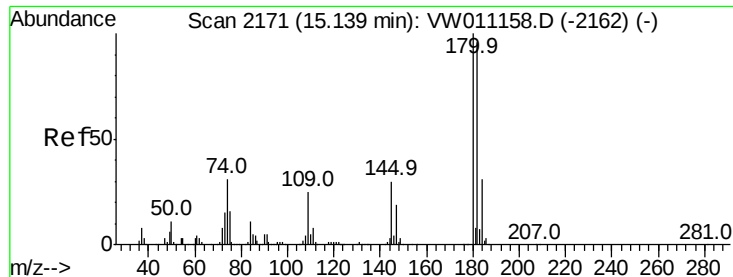
MMDadoda
 7/25/2019 3:10:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.381 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011442.D
 Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	37.1	111.3
157	99.6	48.5	145.6





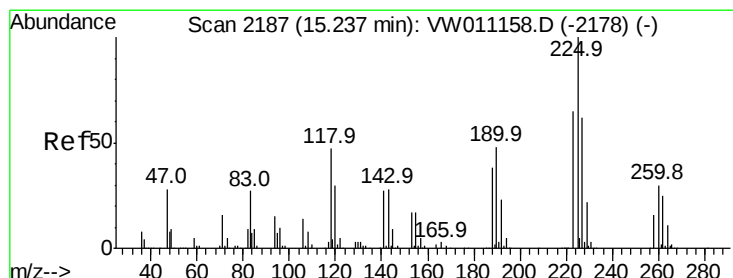
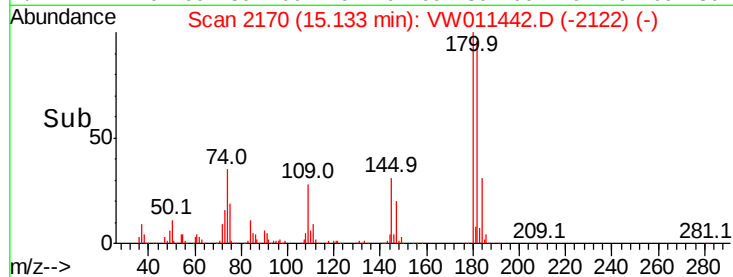
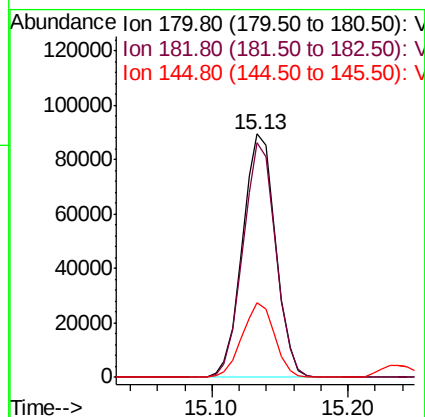
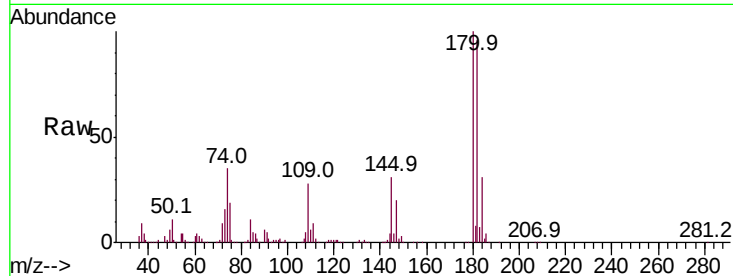
#93
1,2,4-Trichlorobenzene
Concen: 48.893 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	48.3	144.9	
145	30.0	15.5	46.5	

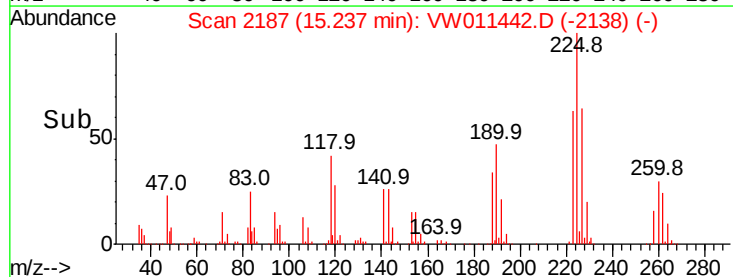
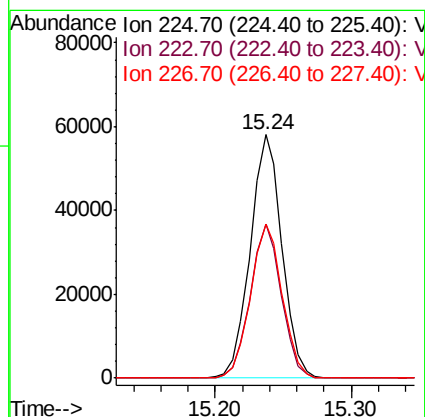
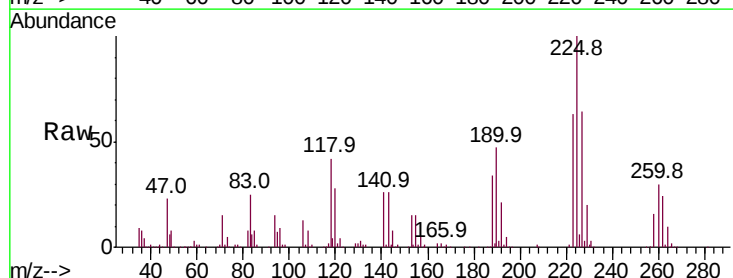
Manual Integrations
APPROVED

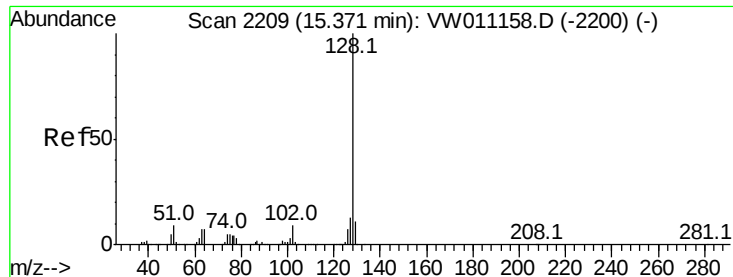
MMDadoda
7/25/2019 3:10:43 PM



#94
Hexachlorobutadiene
Concen: 49.399 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.6	95.0	
227	63.2	32.0	96.0	





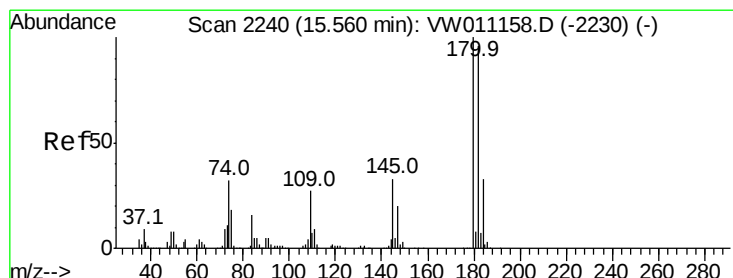
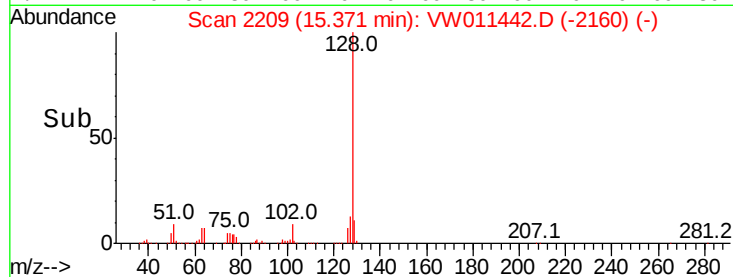
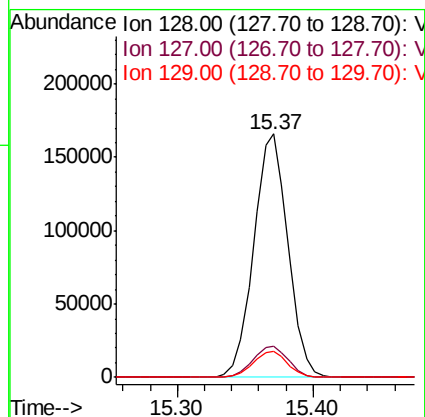
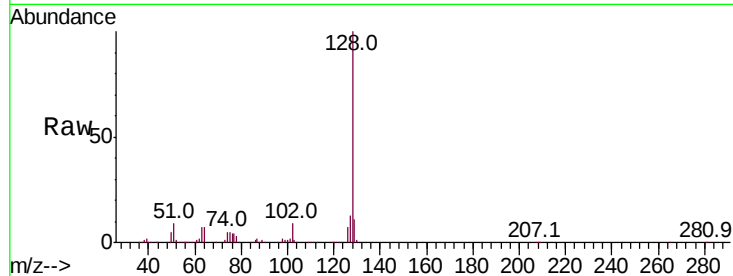
#95
Naphthalene
Concen: 48.805 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	291567
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:10:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.716 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011442.D
Acq: 23 Jul 2019 19:34

Tgt Ion:	180	Resp:	134037
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.6	142.8
145	32.1	16.5	49.5

