

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080319\
 Data File : VW011634.D
 Acq On : 02 Aug 2019 21:48
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 9:19:54 AM

Quant Time: Aug 04 00:24:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161208	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	151717	59.95	ug/l	0.00
Spiked Amount			Recovery	=	119.90%	
35) Dibromofluoromethane	7.88	113	120956	59.08	ug/l	0.00
Spiked Amount			Recovery	=	118.16%	
50) Toluene-d8	10.32	98	484420	57.79	ug/l	0.00
Spiked Amount			Recovery	=	115.58%	
62) 4-Bromofluorobenzene	12.62	95	174337	58.33	ug/l	0.00
Spiked Amount			Recovery	=	116.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	55419	45.117	ug/l	96
3) Chloromethane	2.21	50	95067	44.633	ug/l	99
4) Vinyl Chloride	2.36	62	117030	45.638	ug/l	97
5) Bromomethane	2.77	94	66158	46.610	ug/l	99
6) Chloroethane	2.92	64	68218	46.572	ug/l	98
7) Trichlorofluoromethane	3.25	101	55740	48.637	ug/l	100
8) Diethyl Ether	3.68	74	65776	50.621	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106850	49.149	ug/l	99
10) Methyl Iodide	4.28	142	149909	48.795	ug/l	99
11) Tert butyl alcohol	5.16	59	44801	239.087	ug/l	100
12) 1,1-Dichloroethene	4.04	96	109761	47.818	ug/l	97
13) Acrolein	3.89	56	77441	426.448	ug/l	98
14) Allyl chloride	4.66	41	243050	49.784	ug/l	99
15) Acrylonitrile	5.36	53	169870	261.887	ug/l	99
16) Acetone	4.12	43	169779	210.891	ug/l	100
17) Carbon Disulfide	4.39	76	342755	47.709	ug/l	99
18) Methyl Acetate	4.67	43	96955	53.609	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	189428	52.004	ug/l	98
20) Methylene Chloride	4.92	84	130633	47.050	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	123098	49.742	ug/l	97
22) Diisopropyl ether	6.31	45	478194	51.952	ug/l	98
23) Vinyl Acetate	6.25	43	1502499	259.780	ug/l	99
24) 1,1-Dichloroethane	6.21	63	250681	50.852	ug/l	99
25) 2-Butanone	7.17	43	250700	237.983	ug/l	99
26) 2,2-Dichloropropane	7.16	77	128990	42.547	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	135340	49.691	ug/l	100
28) Bromochloromethane	7.51	49	122360	55.921	ug/l #	99
29) Tetrahydrofuran	7.52	42	157446	261.471	ug/l	99
30) Chloroform	7.67	83	231094	50.813	ug/l	97
31) Cyclohexane	7.95	56	216245	45.698	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	174833	50.478	ug/l	100
36) 1,1-Dichloropropene	8.08	75	181878	47.927	ug/l	99
37) Ethyl Acetate	7.25	43	110050	50.405	ug/l	99
38) Carbon Tetrachloride	8.07	117	159533	49.107	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	203539	48.710	ug/l	98
40) Benzene	8.32	78	524094	49.305	ug/l	99
41) Methacrylonitrile	7.48	41	68303	52.335	ug/l	97
42) 1,2-Dichloroethane	8.40	62	170509	51.235	ug/l	100
43) Isopropyl Acetate	8.42	43	207625	51.709	ug/l	100
44) Trichloroethene	9.09	130	124272	48.642	ug/l	97
45) 1,2-Dichloropropane	9.37	63	146102	51.369	ug/l	99
46) Dibromomethane	9.46	93	66886	51.525	ug/l	99
47) Bromodichloromethane	9.65	83	176729	51.901	ug/l	98
48) Methyl methacrylate	9.43	41	102102	52.936	ug/l	97
49) 1,4-Dioxane	9.45	88	19799	1053.365	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	540854	258.964	ug/l	100
52) Toluene	10.39	92	318371	49.596	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	181901	51.138	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	217164	51.347	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	94561	51.340	ug/l	99
56) Ethyl methacrylate	10.65	69	140875	52.269	ug/l	98
57) 1,3-Dichloropropane	10.93	76	178980	51.364	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	350854	286.709	ug/l	100
59) 2-Hexanone	10.97	43	368890	250.157	ug/l	99
60) Dibromochloromethane	11.13	129	107432	52.547	ug/l	99
61) 1,2-Dibromoethane	11.23	107	89066	51.099	ug/l	100
64) Tetrachloroethene	10.86	164	104478	48.514	ug/l	99
65) Chlorobenzene	11.66	112	322755	48.537	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	117708	50.818	ug/l	99
67) Ethyl Benzene	11.73	91	614891	48.552	ug/l	99
68) m/p-Xylenes	11.84	106	450805	97.878	ug/l	100
69) o-Xylene	12.16	106	212761	49.711	ug/l	100
70) Styrene	12.18	104	374002	50.540	ug/l	99
71) Bromoform	12.35	173	61336	51.937	ug/l #	97
73) Isopropylbenzene	12.46	105	584421	48.594	ug/l	99
74) N-amyl acetate	12.27	43	193299	51.338	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	114882	50.784	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	95500m	55.987	ug/l	
77) Bromobenzene	12.74	156	131872	49.609	ug/l	100
78) n-propylbenzene	12.80	91	711602	48.619	ug/l	100
79) 2-Chlorotoluene	12.89	91	407909	48.376	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	496331	49.233	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35712	48.250	ug/l	97
82) 4-Chlorotoluene	12.99	91	431581	48.783	ug/l	100
83) tert-Butylbenzene	13.21	119	418216	49.608	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	504415	49.670	ug/l	99
85) sec-Butylbenzene	13.38	105	591241	49.151	ug/l	100
86) p-Isopropyltoluene	13.50	119	538093	49.302	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	252732	48.489	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	250357	48.286	ug/l	99
89) n-Butylbenzene	13.82	91	524949	48.197	ug/l	100
90) Hexachloroethane	14.09	117	97901	50.728	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	228737	49.618	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19337	50.127	ug/l	99

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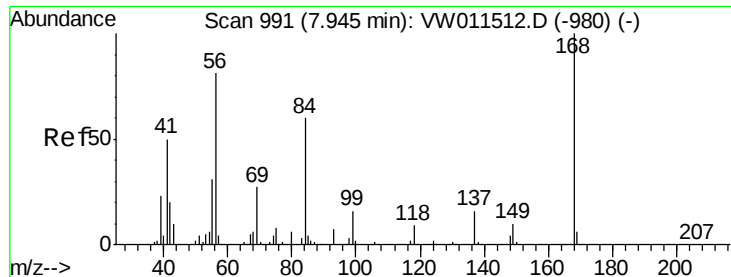
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	158033	48.641	ug/l	100
94) Hexachlorobutadiene	15.24	225	97134	47.941	ug/l	96
95) Naphthalene	15.36	128	299850	47.234	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	142307	49.969	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 220403

Ion Ratio Lower Upper

168 100

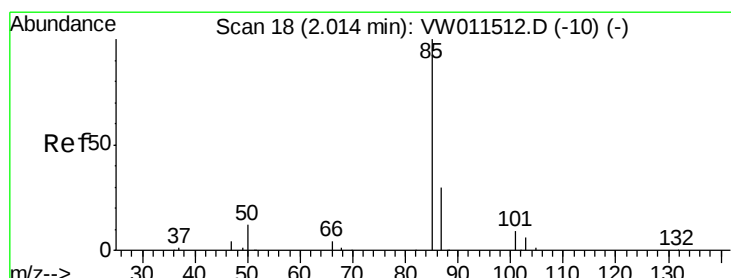
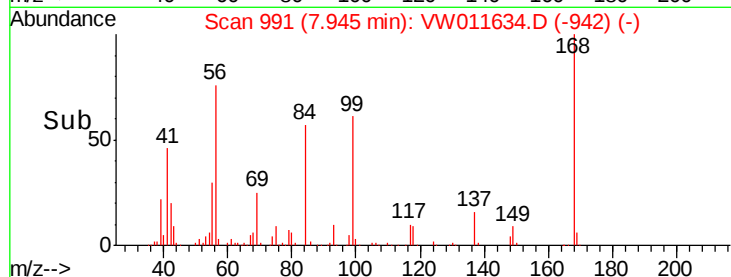
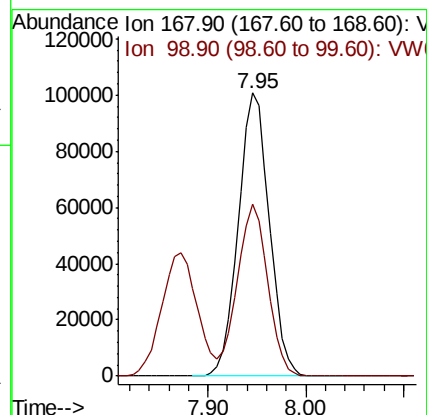
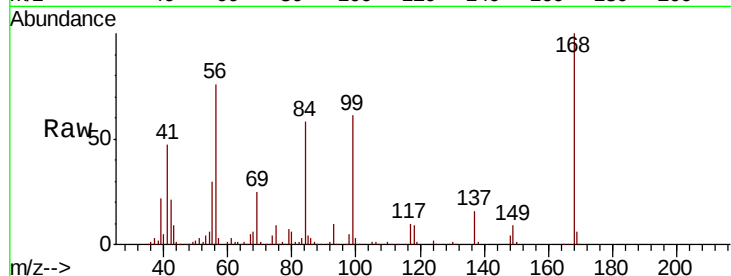
99 60.9 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.117 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011634.D

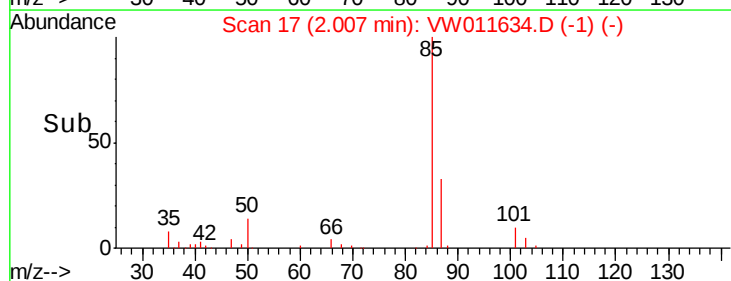
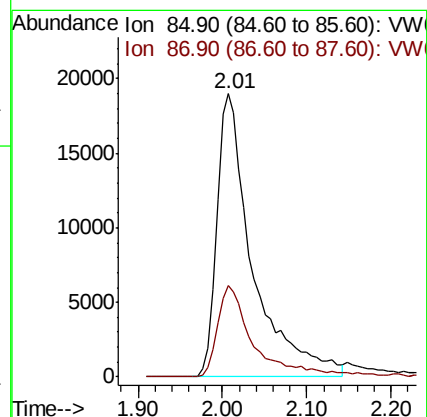
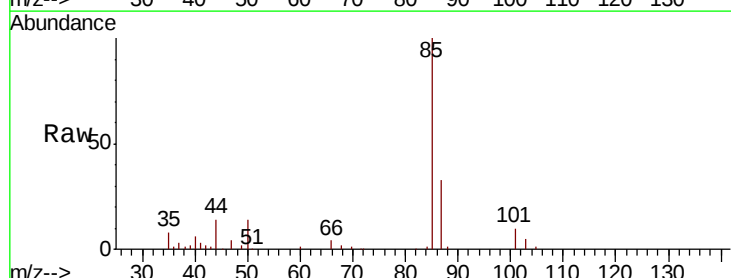
Acq: 02 Aug 2019 21:48

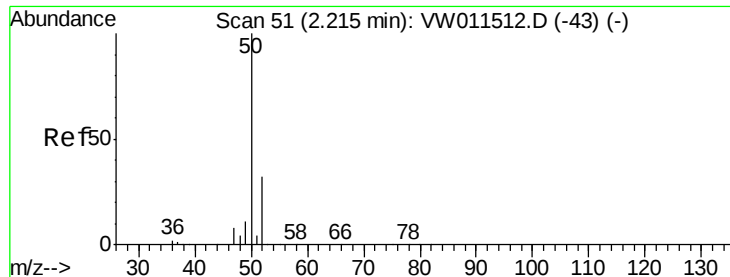
Tgt Ion: 85 Resp: 55419

Ion Ratio Lower Upper

85 100

87 32.5 15.2 45.6





#3

Chloromethane

Concen: 44.633 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 95067

Ion Ratio Lower Upper

50 100

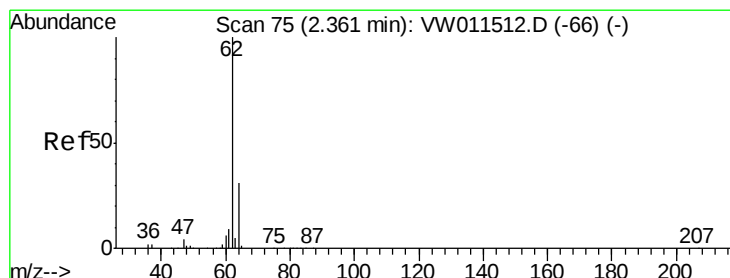
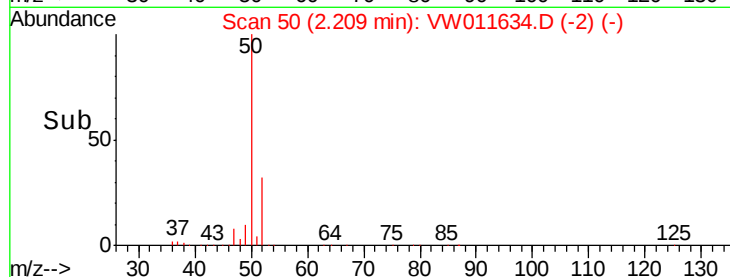
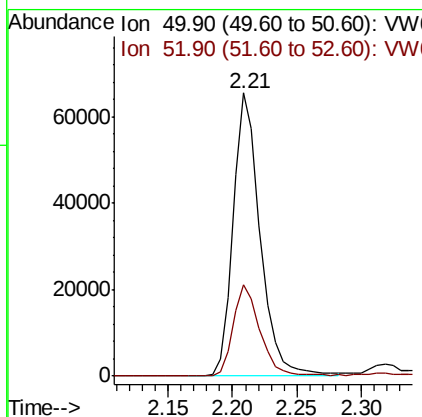
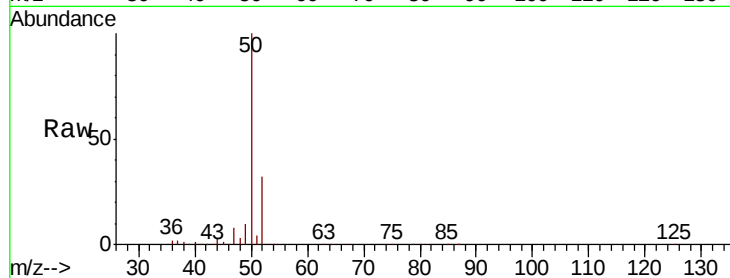
52 32.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.638 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011634.D

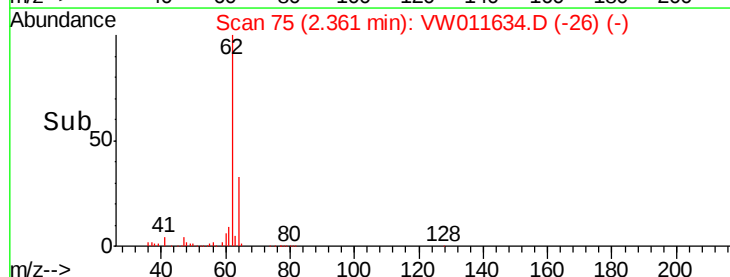
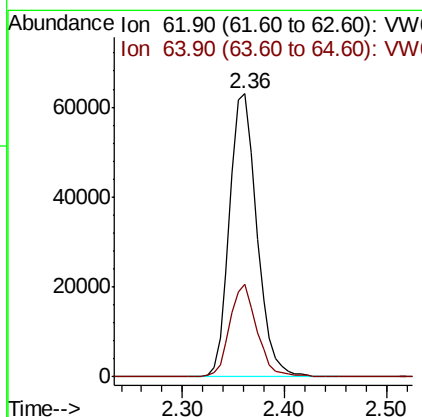
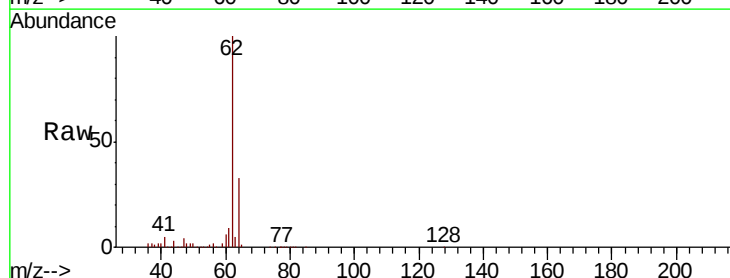
Acq: 02 Aug 2019 21:48

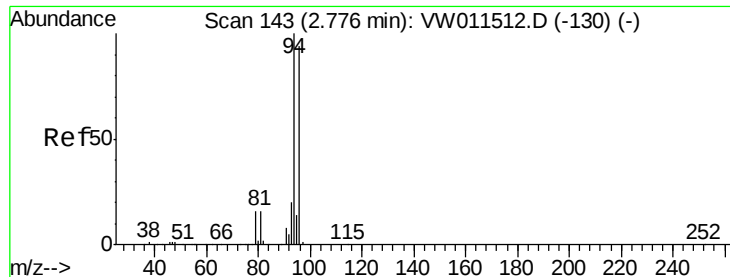
Tgt Ion: 62 Resp: 117030

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.4





#5

Bromomethane

Concen: 46.610 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66158

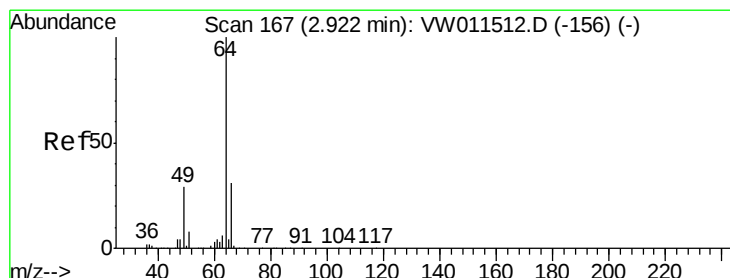
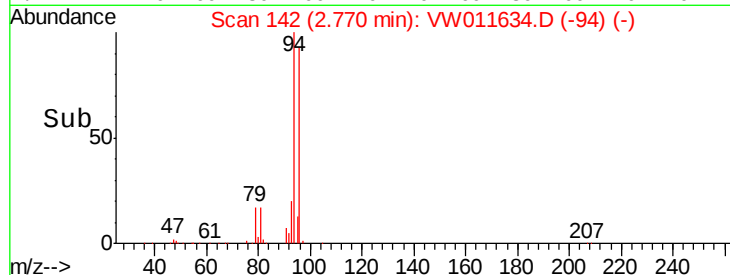
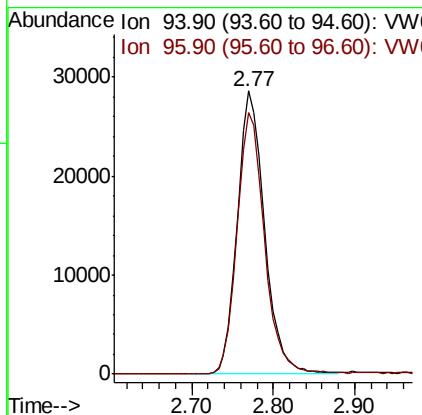
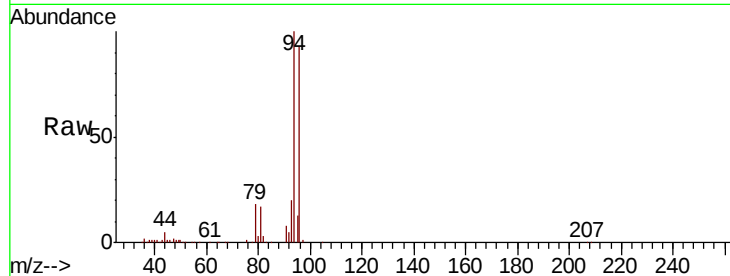
Ion Ratio Lower Upper

94 100

96 92.6 75.0 112.6

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#6

Chloroethane

Concen: 46.572 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011634.D

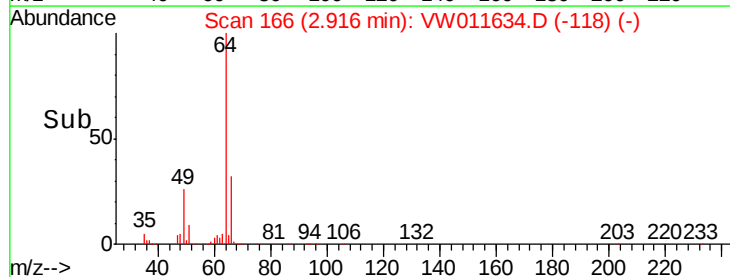
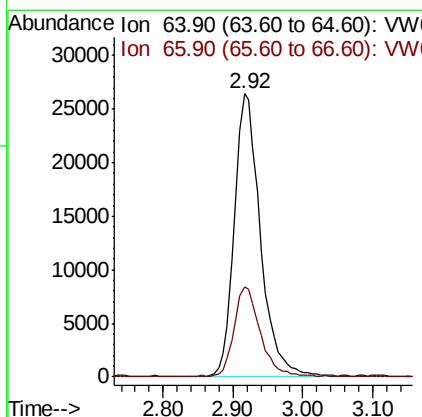
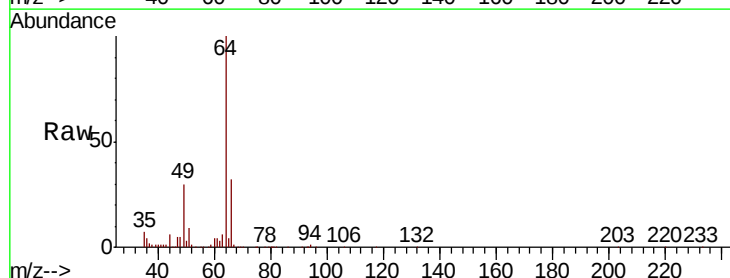
Acq: 02 Aug 2019 21:48

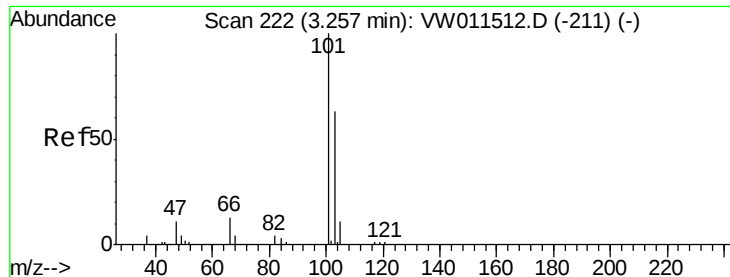
Tgt Ion: 64 Resp: 68218

Ion Ratio Lower Upper

64 100

66 31.9 24.6 36.8





#7

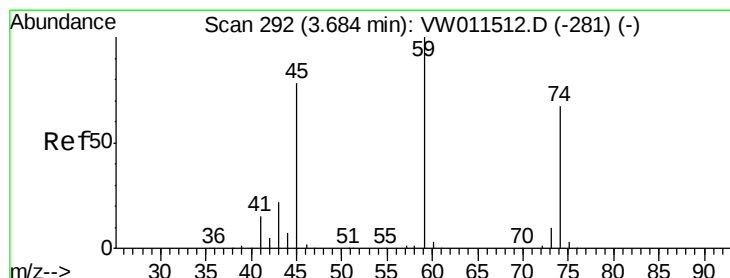
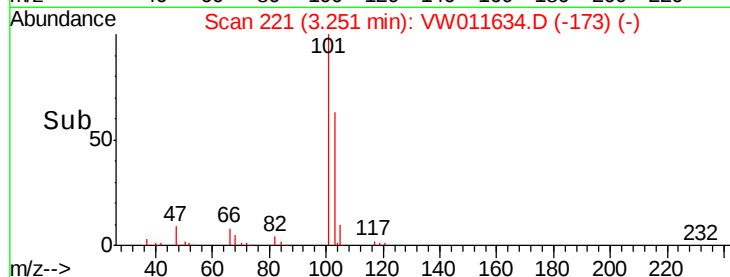
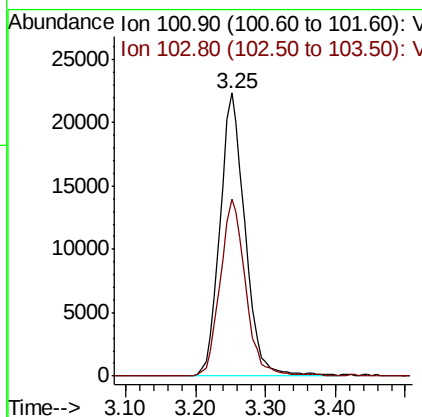
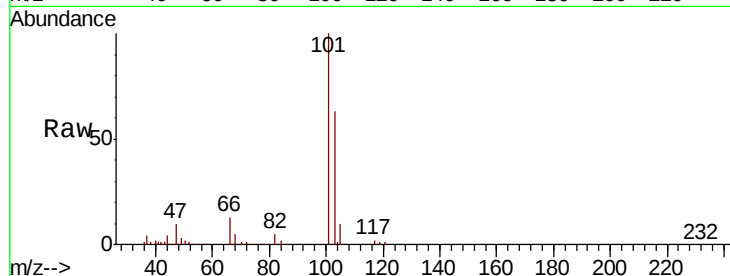
Trichlorofluoromethane
Concen: 48.637 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.2	75.4

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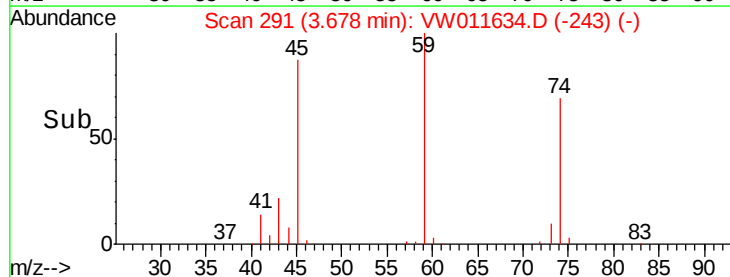
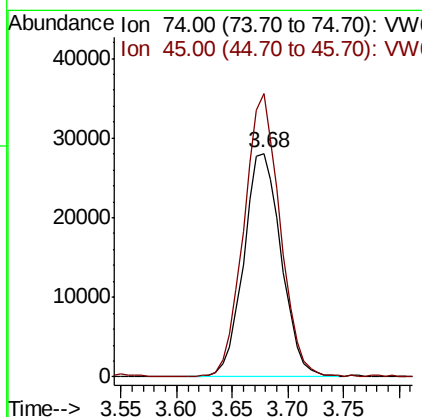
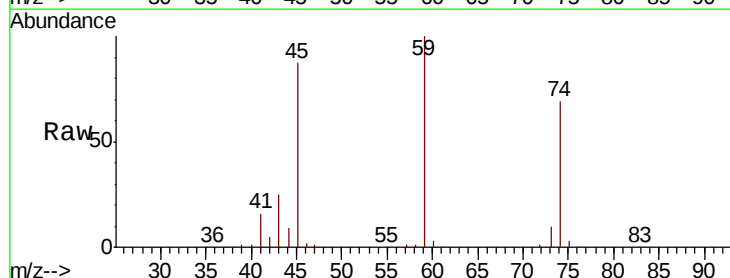
MMDadoda
8/6/2019 9:19:54 AM

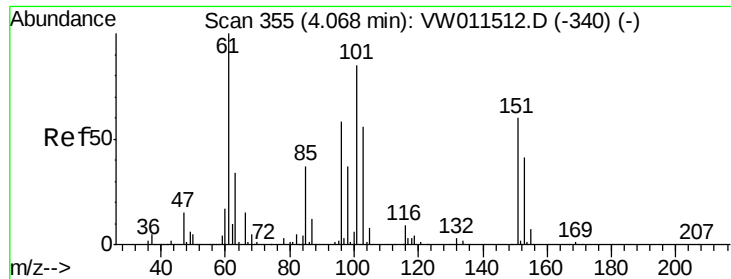


#8

Diethyl Ether
Concen: 50.621 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.8	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.149 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

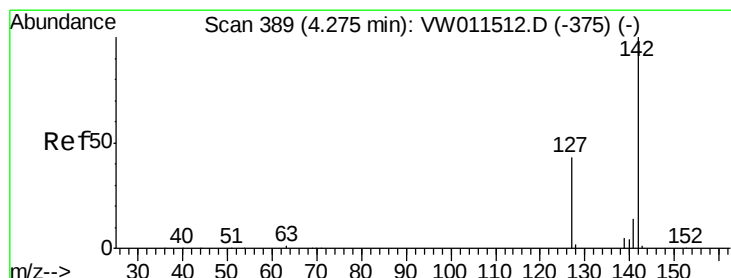
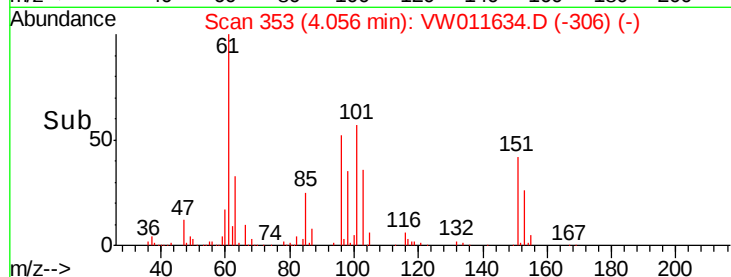
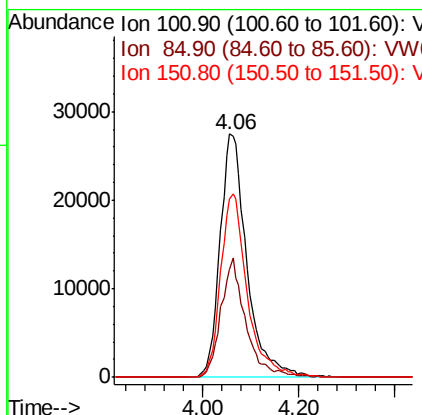
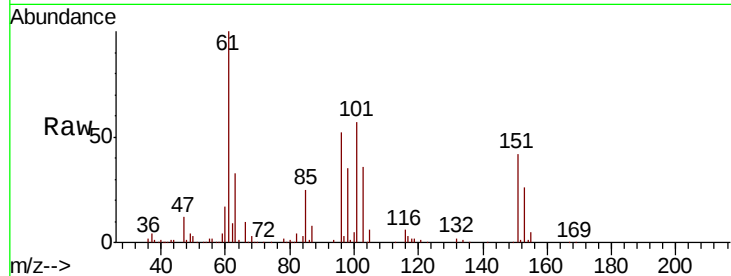
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	106850
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	54.8
151	74.7	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 48.795 ug/l

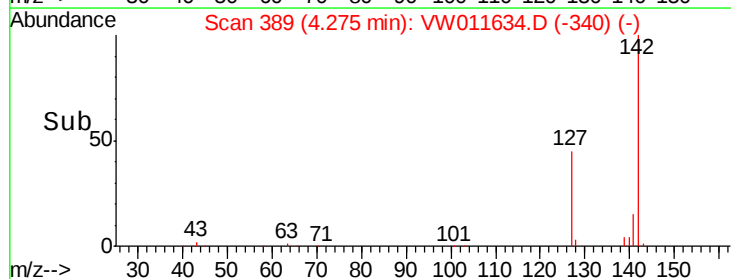
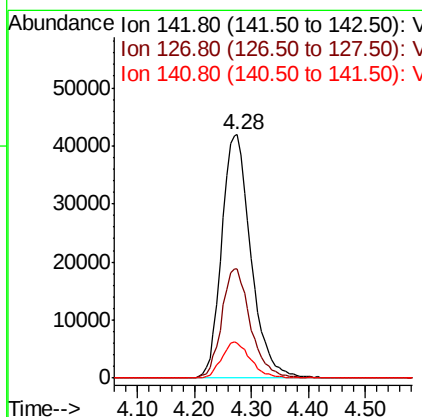
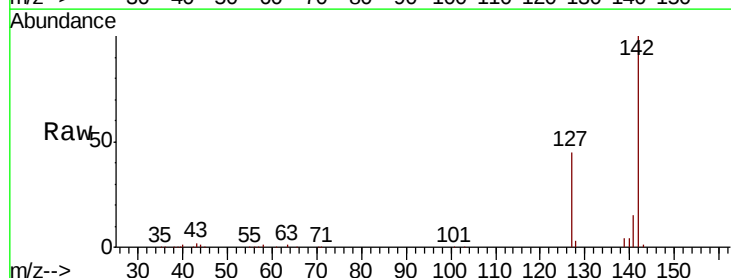
RT: 4.28 min Scan# 389

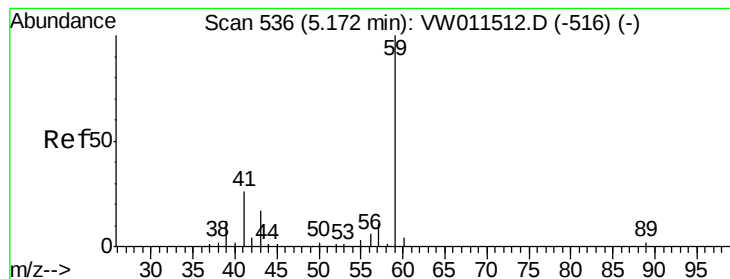
Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Tgt Ion:	142	Resp:	149909
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.0	52.6
141	14.8	11.9	17.9





#11

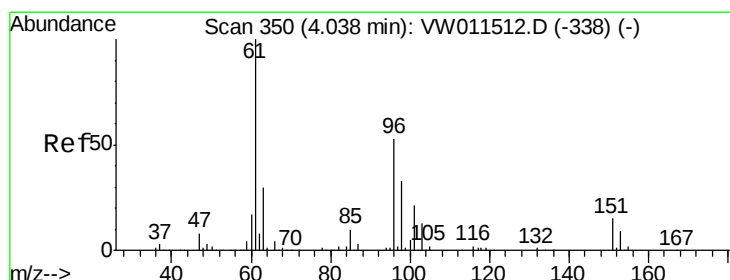
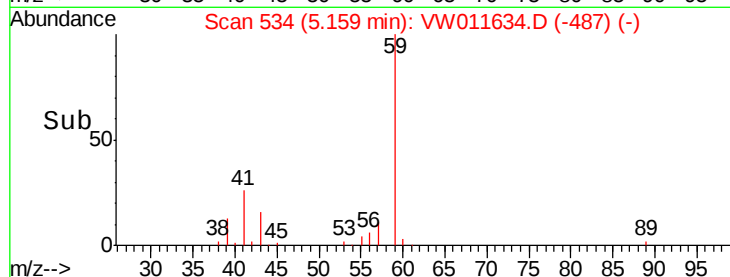
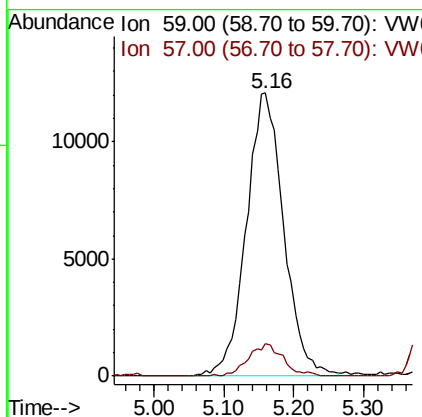
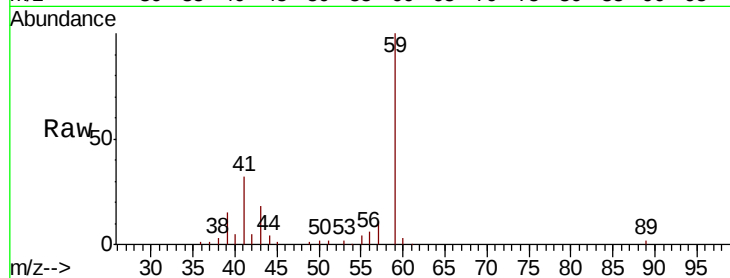
Tert butyl alcohol
 Concen: 239.087 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

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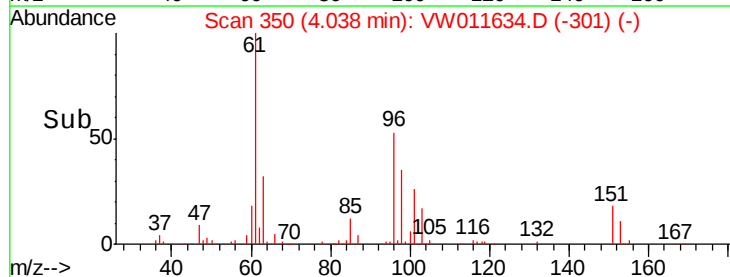
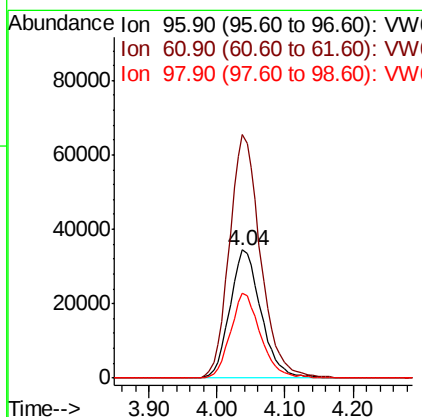
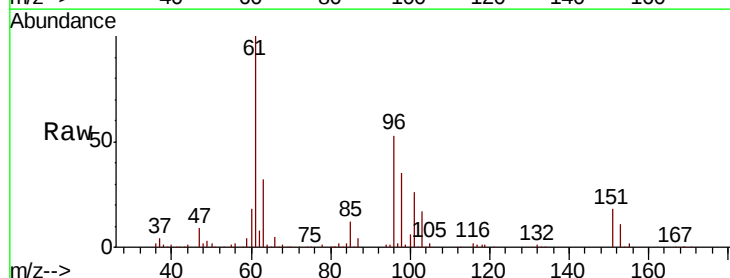
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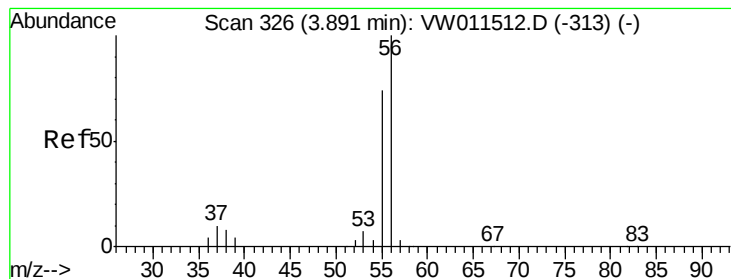


#12

1,1-Dichloroethene
 Concen: 47.818 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.2	149.9	224.9
98	65.8	49.1	73.7





#13

Acrolein

Concen: 426.448 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77441

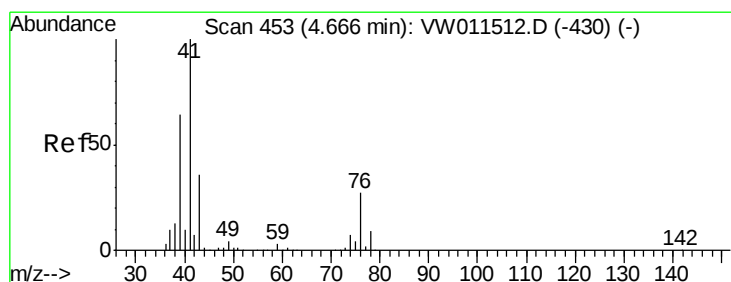
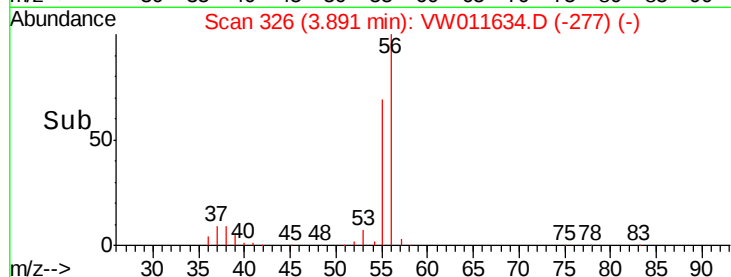
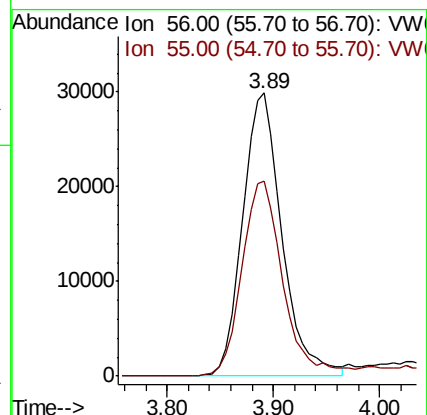
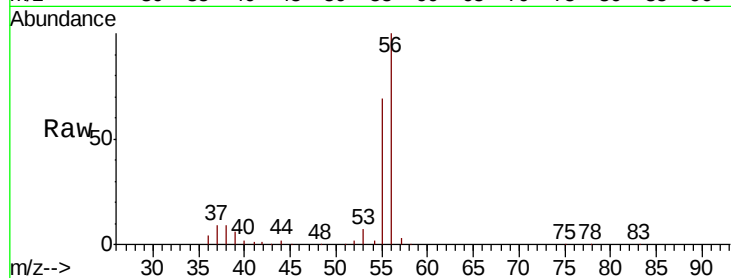
Ion Ratio Lower Upper

56 100

55 72.0 56.0 84.0

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#14

Allyl chloride

Concen: 49.784 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

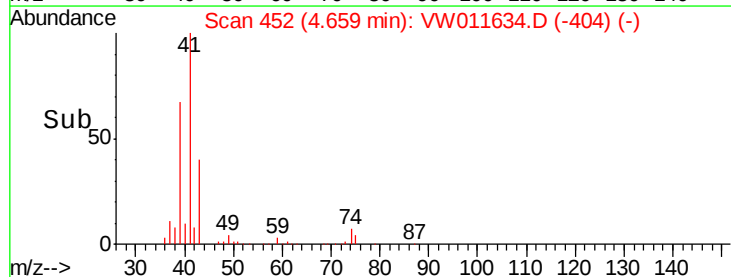
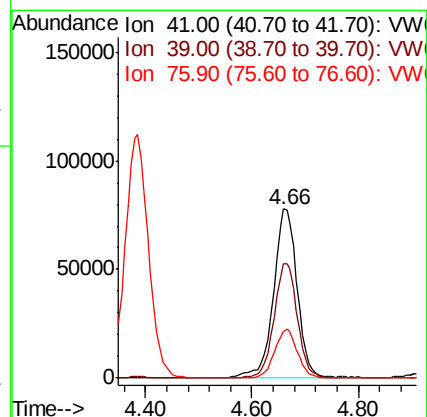
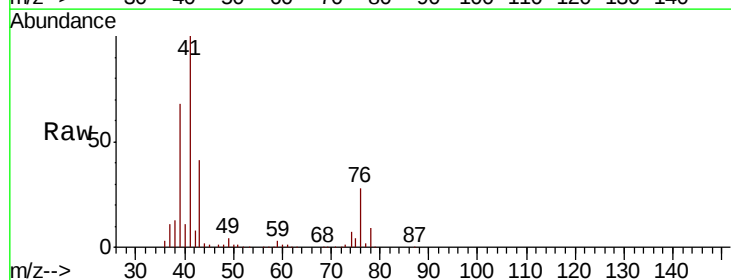
Tgt Ion: 41 Resp: 243050

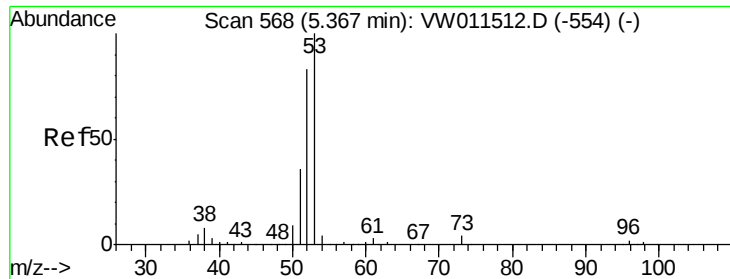
Ion Ratio Lower Upper

41 100

39 66.4 52.6 78.8

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 261.887 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

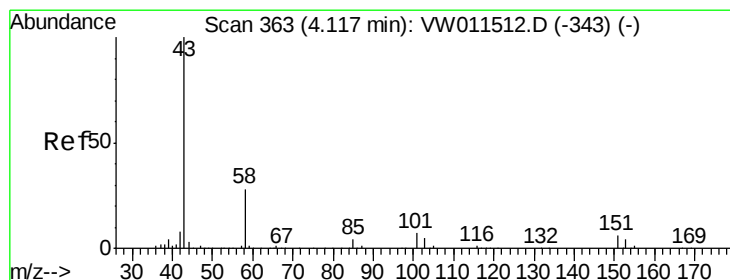
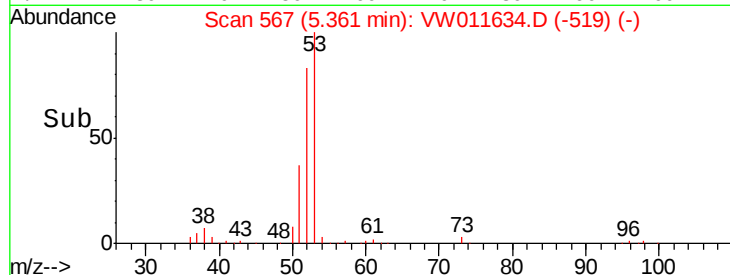
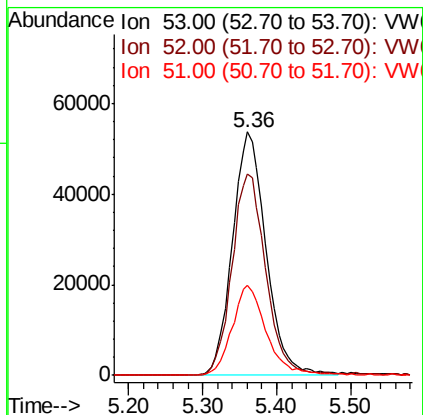
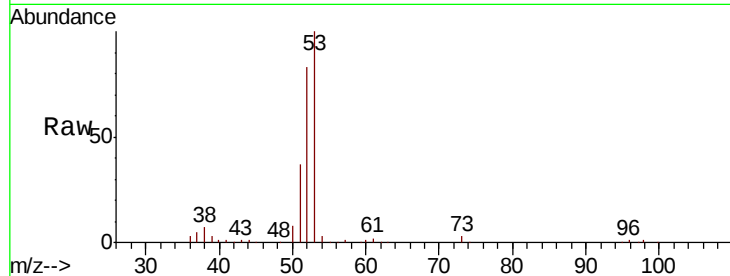
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	169870
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	37.4	30.0	45.0

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#16

Acetone

Concen: 210.891 ug/l

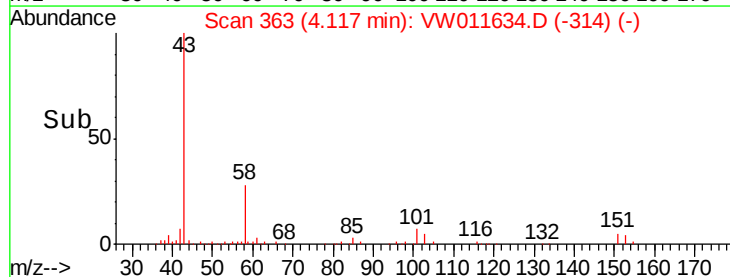
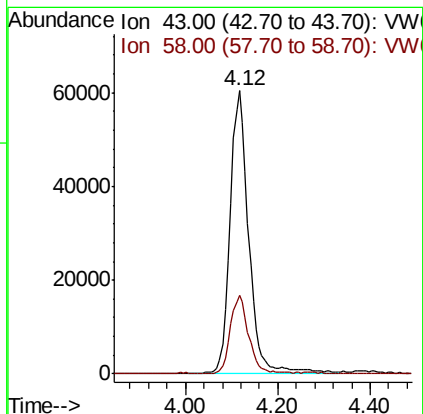
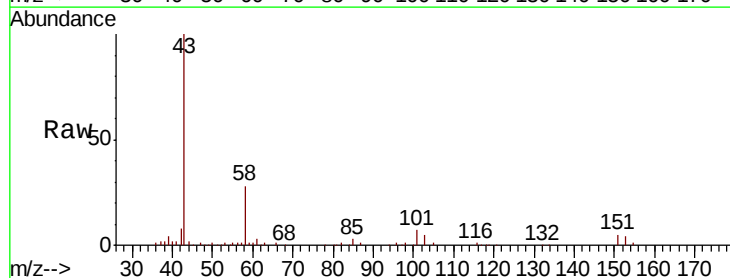
RT: 4.12 min Scan# 363

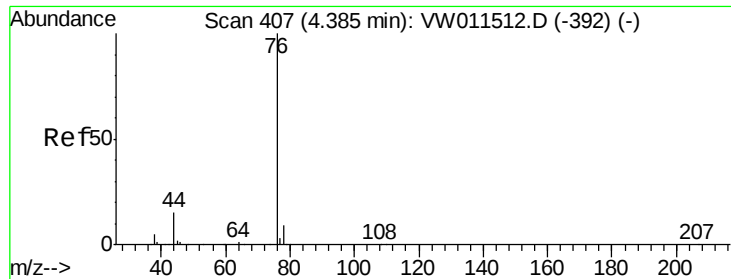
Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Tgt Ion:	43	Resp:	169779
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.3	33.5





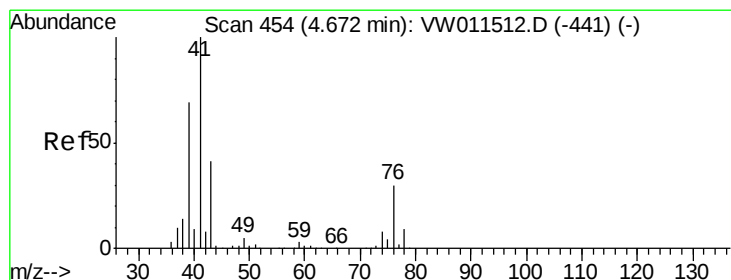
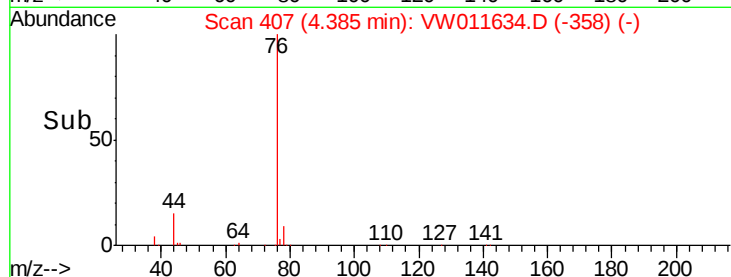
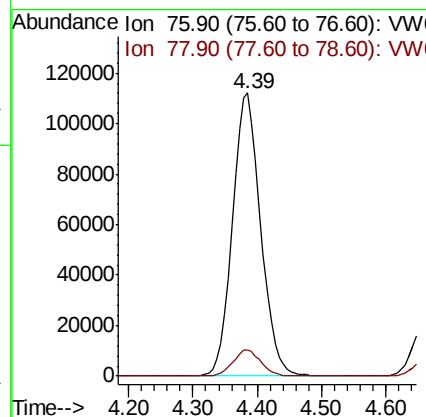
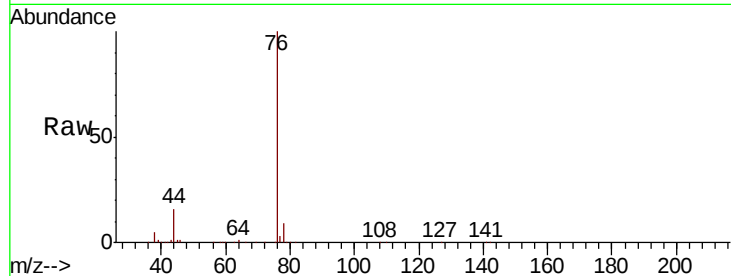
#17
Carbon Disulfide
Concen: 47.709 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

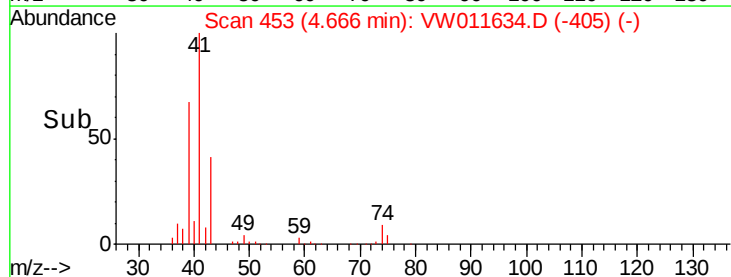
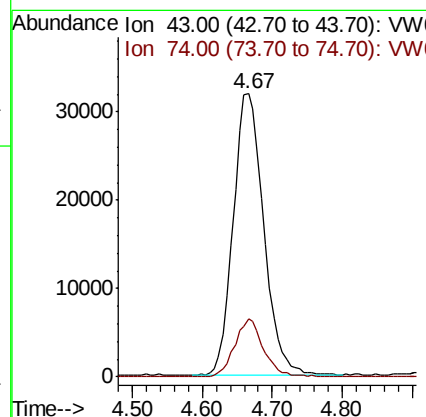
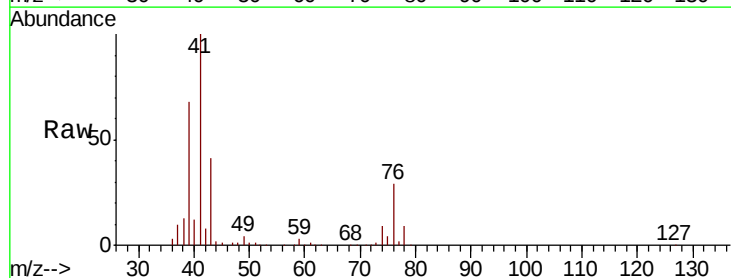
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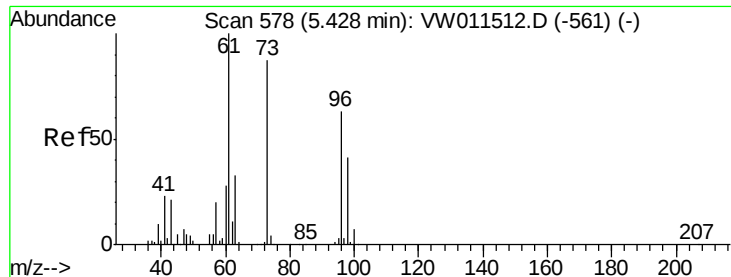
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#18
Methyl Acetate
Concen: 53.609 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.9	23.9





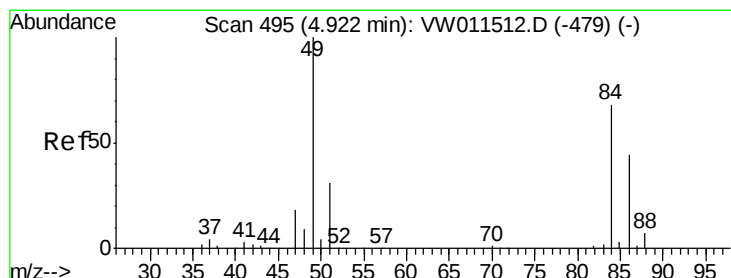
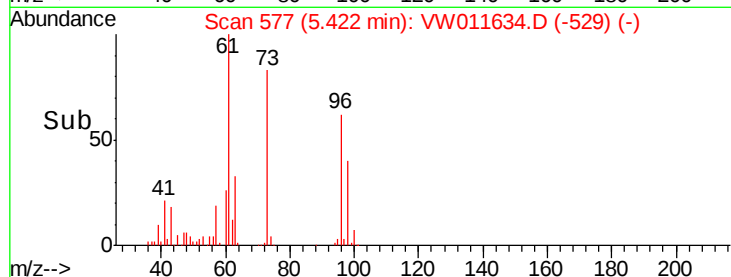
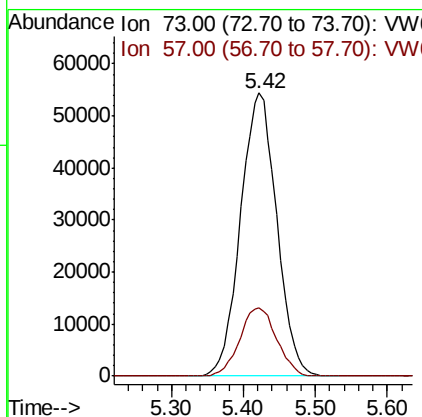
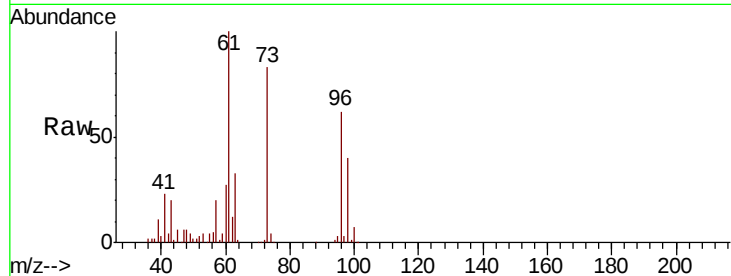
#19
Methyl tert-butyl Ether
Concen: 52.004 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	18.4	27.6

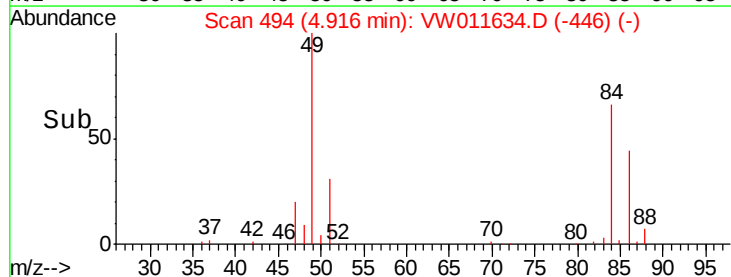
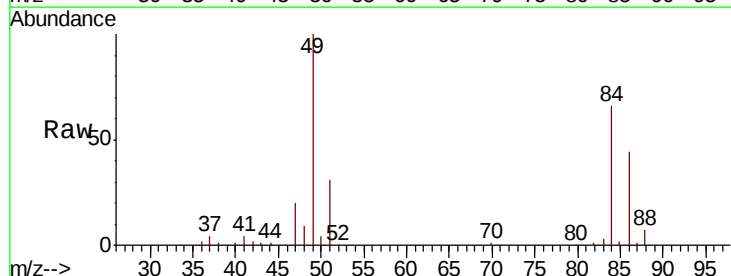
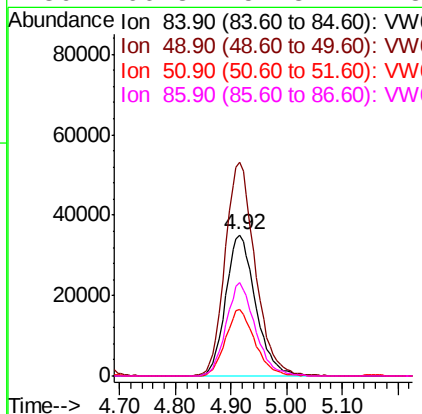
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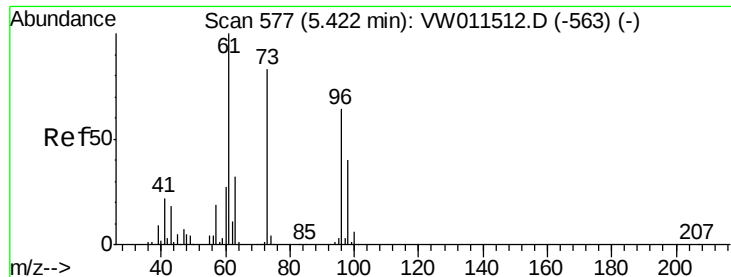
MMDadoda
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#20
Methylene Chloride
Concen: 47.050 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.7	117.8	176.6
51	47.5	37.0	55.4
86	66.3	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 49.742 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

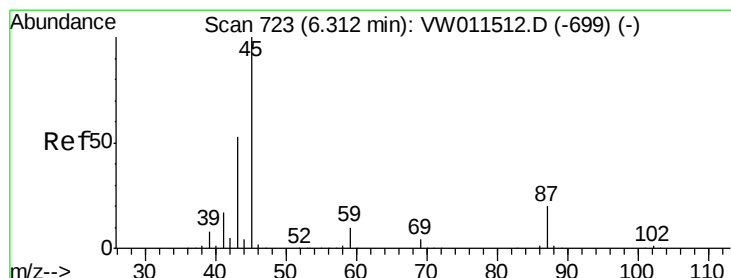
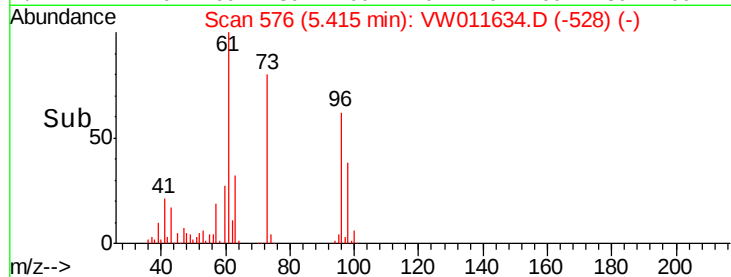
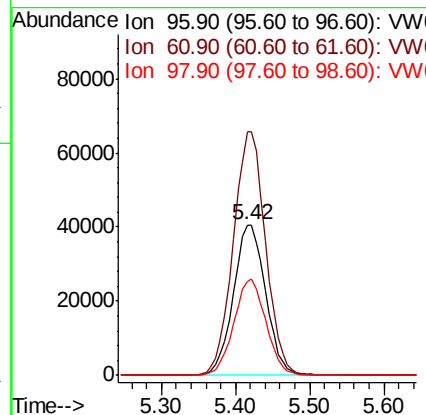
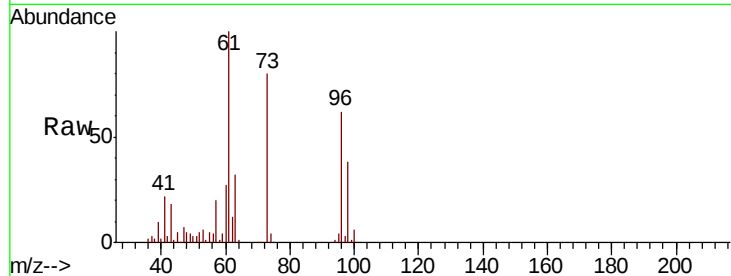
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	123098
Ion	Ratio	Lower	Upper
96	100		
61	161.6	125.7	188.5
98	62.2	50.3	75.5

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#22

Diisopropyl ether

Concen: 51.952 ug/l

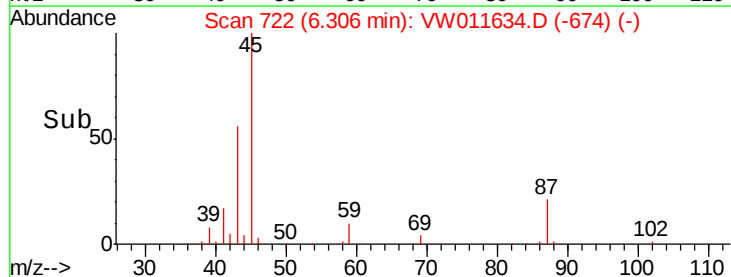
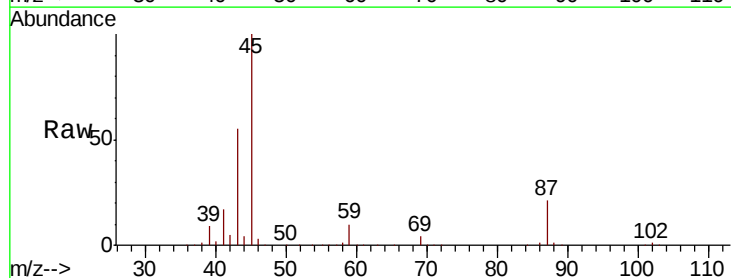
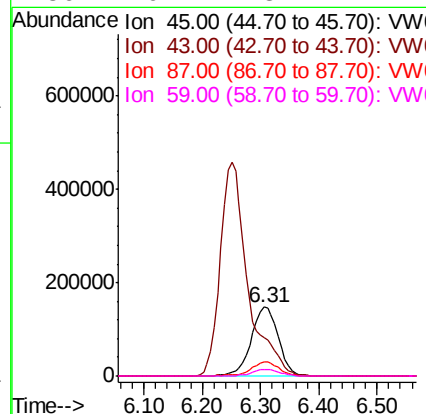
RT: 6.31 min Scan# 722

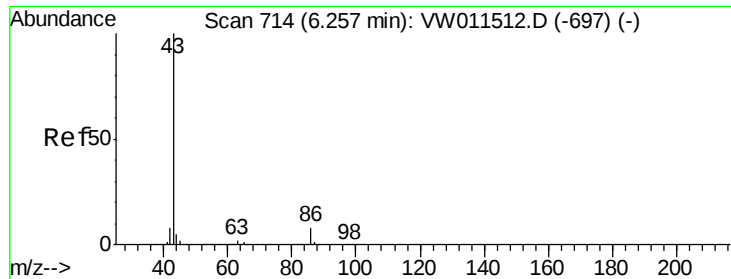
Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Tgt Ion:	45	Resp:	478194
Ion	Ratio	Lower	Upper
45	100		
43	55.4	42.6	63.8
87	21.0	16.4	24.6
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 259.780 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1502499

Ion Ratio Lower Upper

43 100

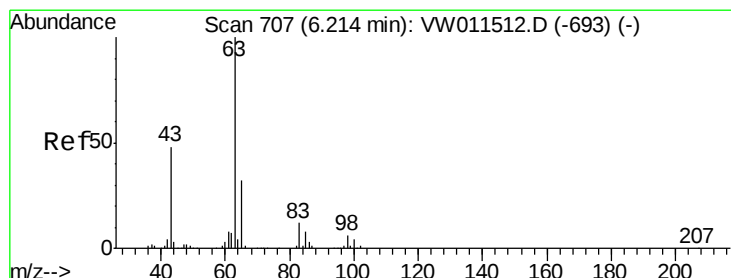
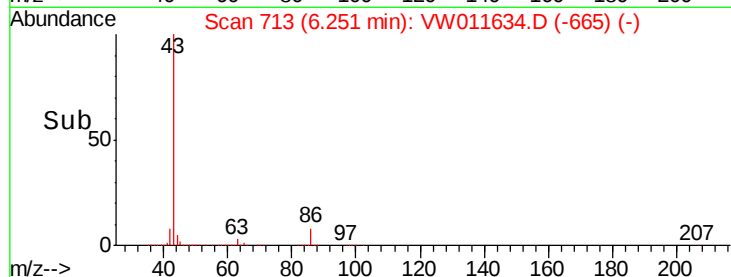
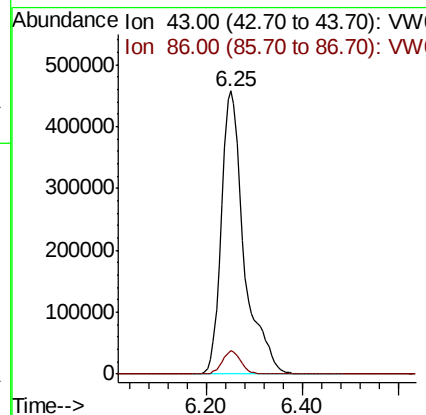
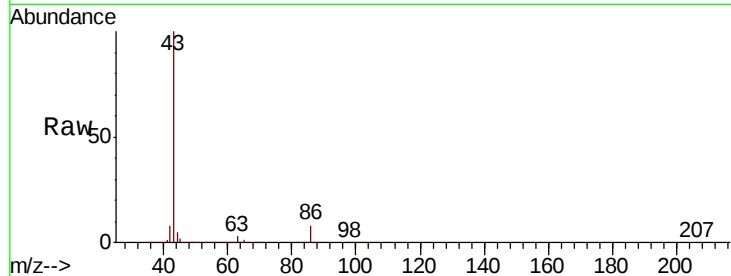
86 8.5 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 50.852 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

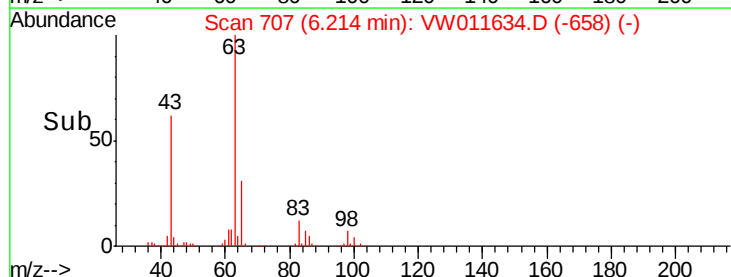
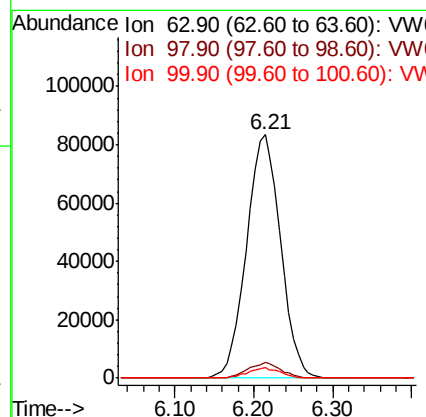
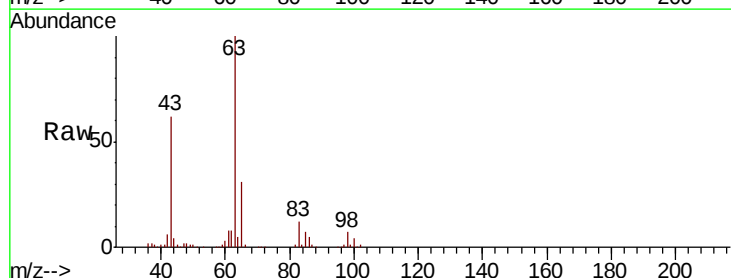
Tgt Ion: 63 Resp: 250681

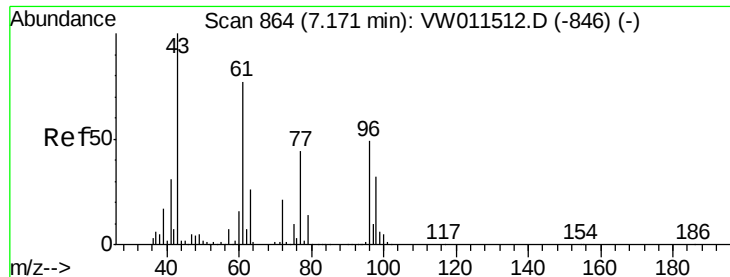
Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 237.983 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 250700

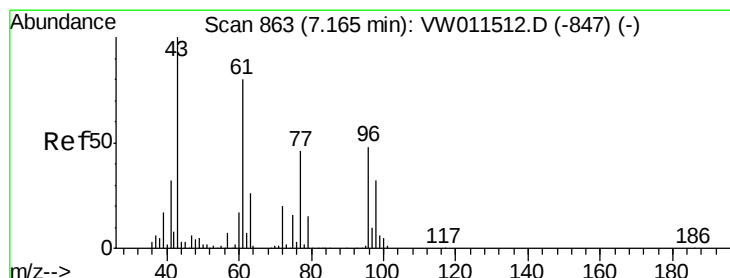
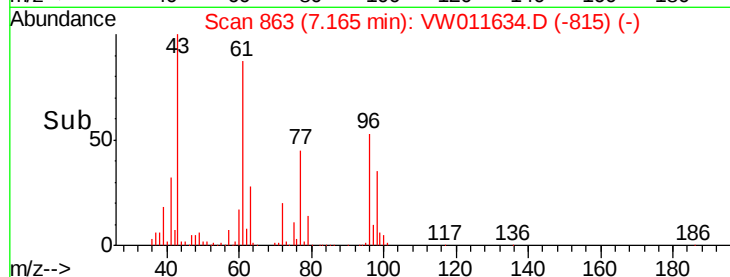
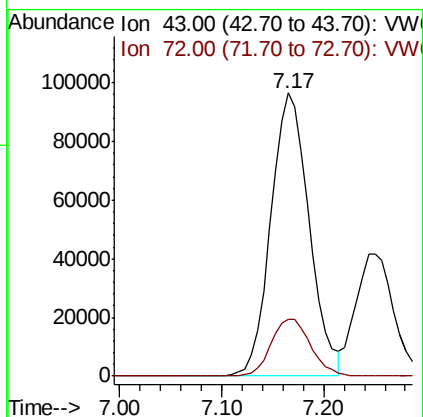
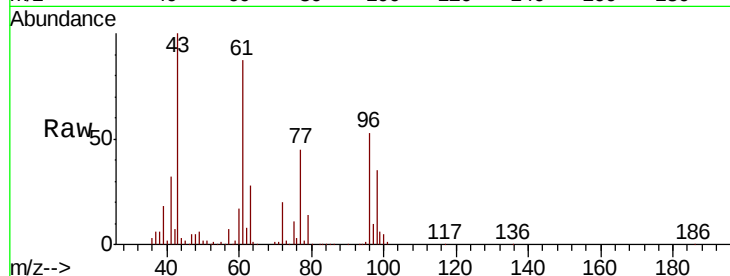
Ion Ratio Lower Upper

43 100

72 20.2 16.6 24.8

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#26

2,2-Dichloropropane

Concen: 42.547 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011634.D

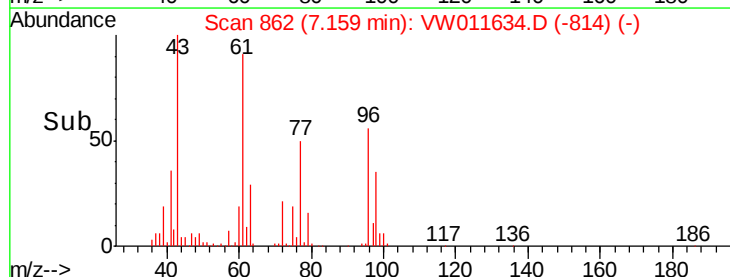
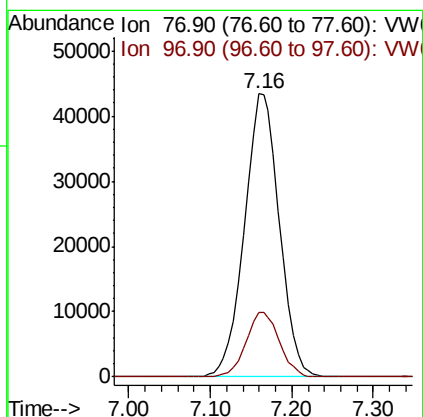
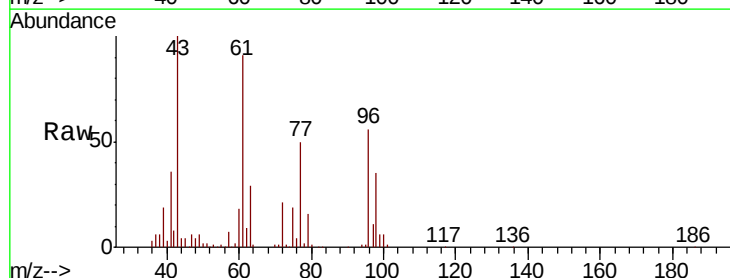
Acq: 02 Aug 2019 21:48

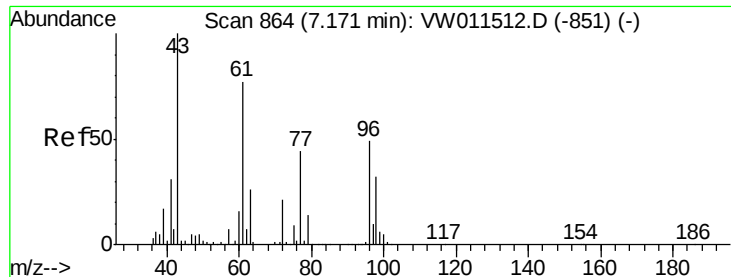
Tgt Ion: 77 Resp: 128990

Ion Ratio Lower Upper

77 100

97 21.9 10.8 32.4





#27

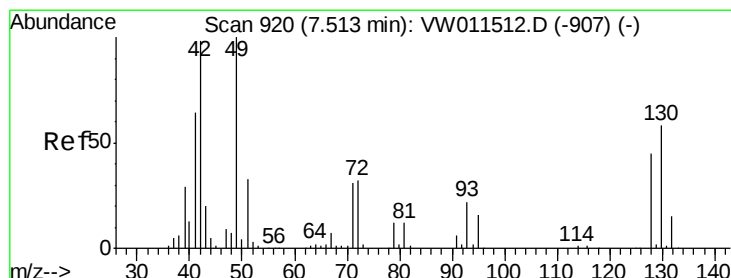
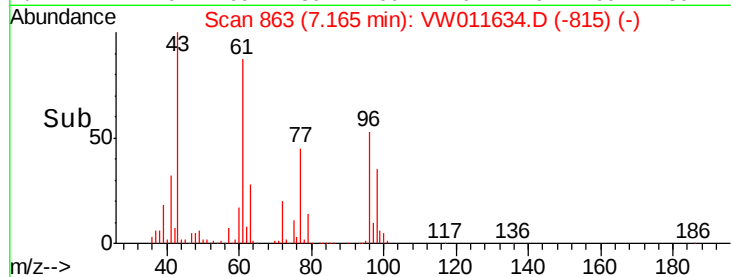
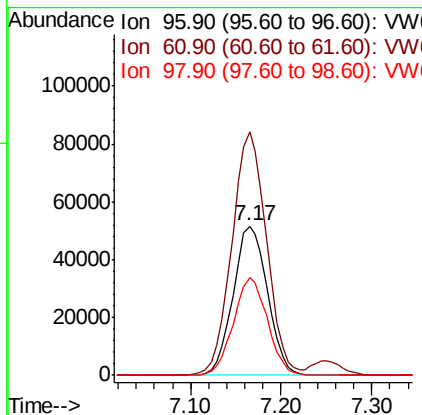
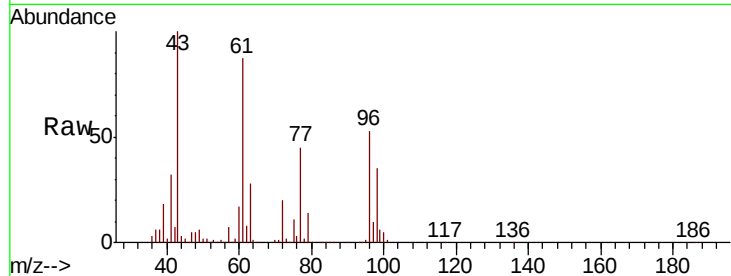
cis-1,2-Dichloroethene
Concen: 49.691 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.6	0.0	328.4	
98	64.7	0.0	128.8	

Manual Integrations
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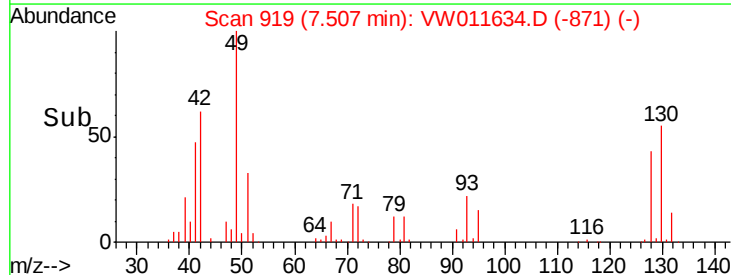
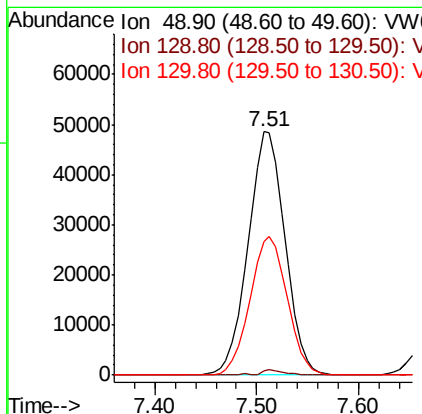
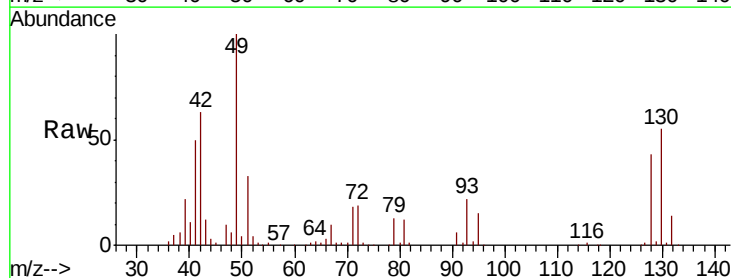
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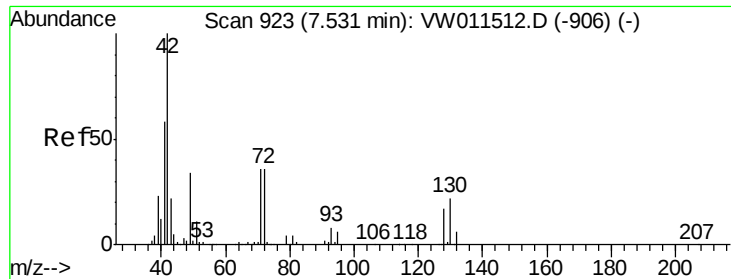


#28

Bromochloromethane
Concen: 55.921 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.2	0.0	1.0#	
130	57.4	46.3	69.5	





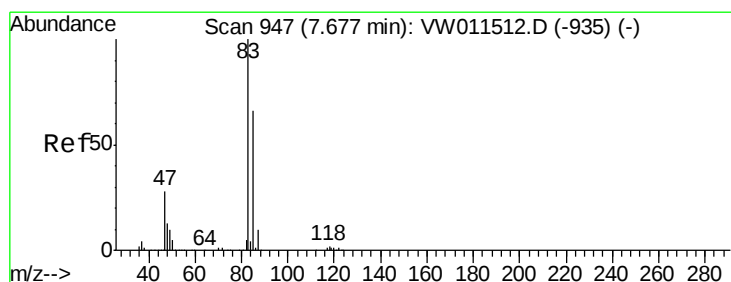
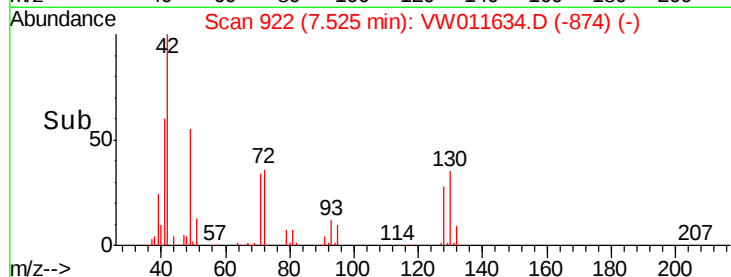
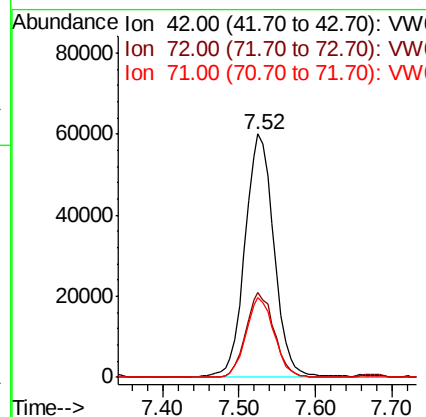
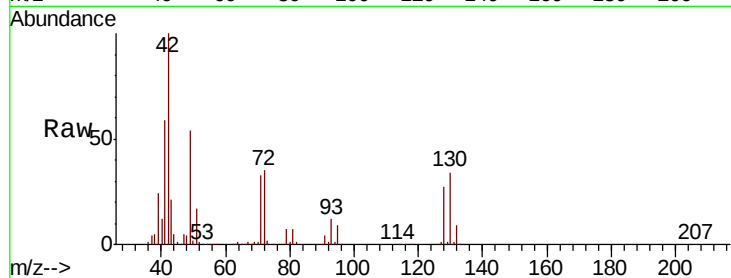
#29
Tetrahydrofuran
Concen: 261.471 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.1	40.7
71	32.1	26.2	39.4

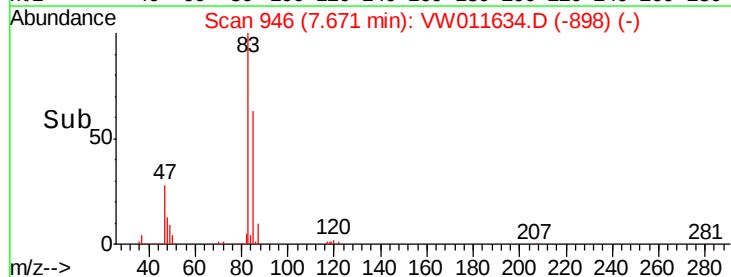
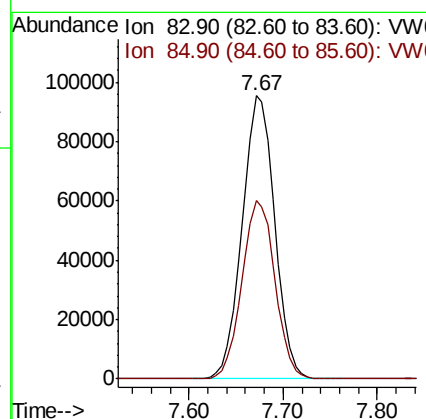
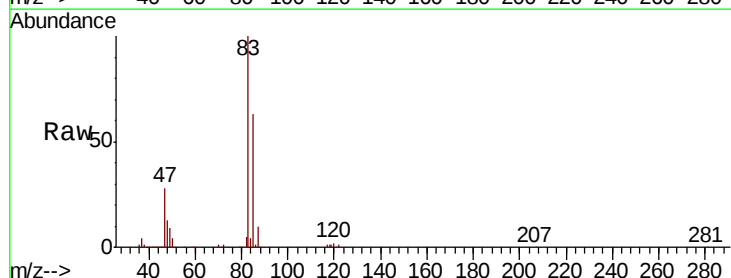
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APPROVED

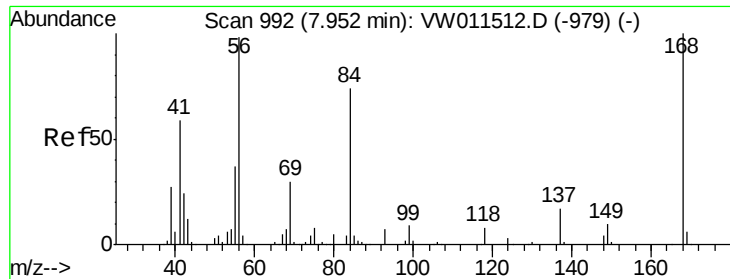
MMDadoda
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#30
Chloroform
Concen: 50.813 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.5	78.7





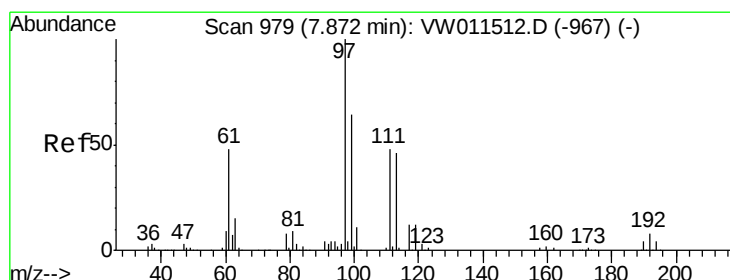
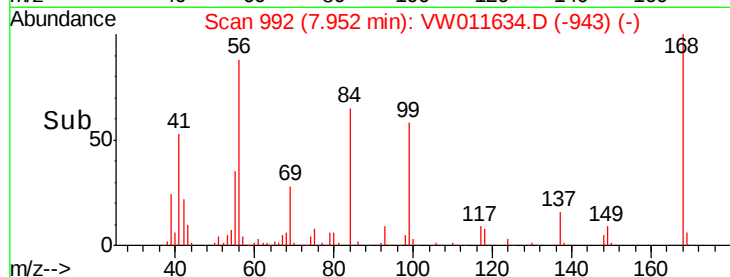
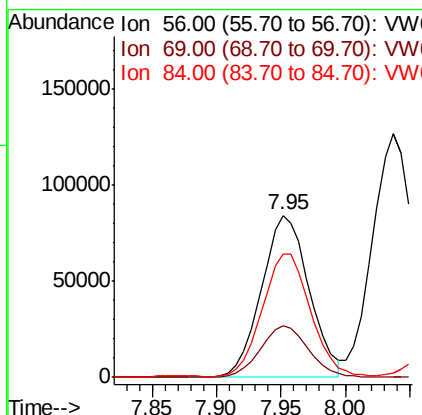
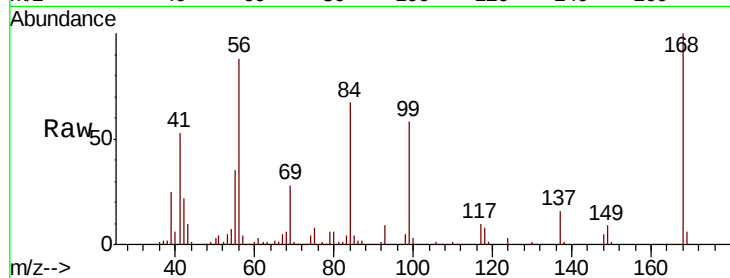
#31
Cyclohexane
Concen: 45.698 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.3	36.5
84	74.7	60.4	90.6

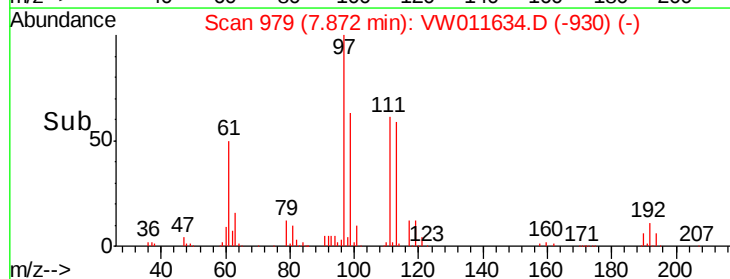
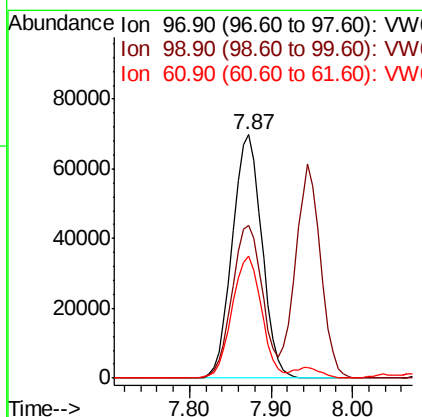
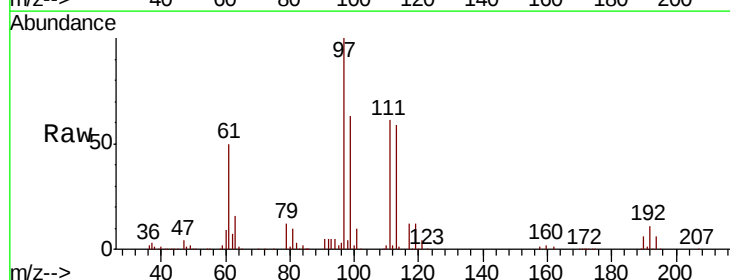
Manual Integrations
APPROVED

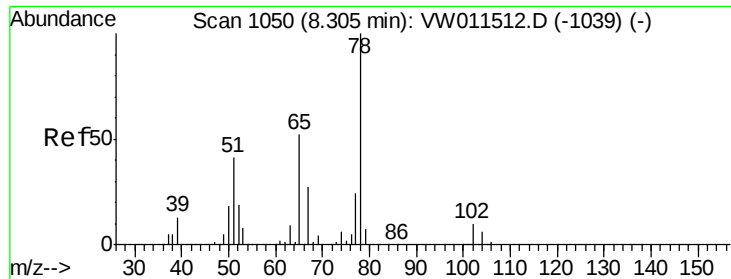
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#32
1,1,1-Trichloroethane
Concen: 50.478 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	50.0	39.8	59.6





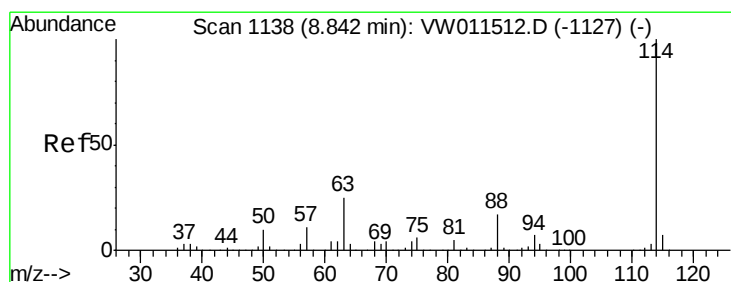
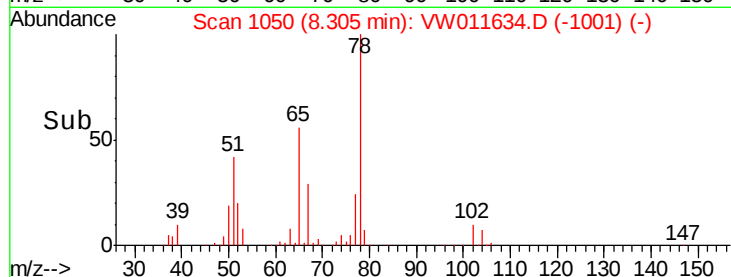
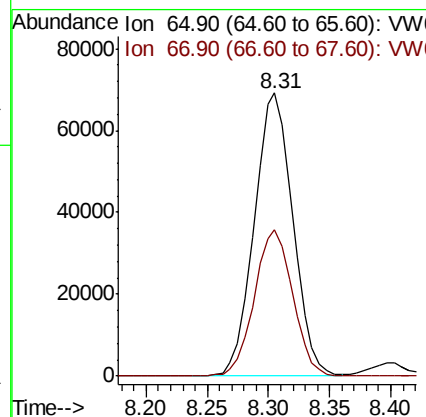
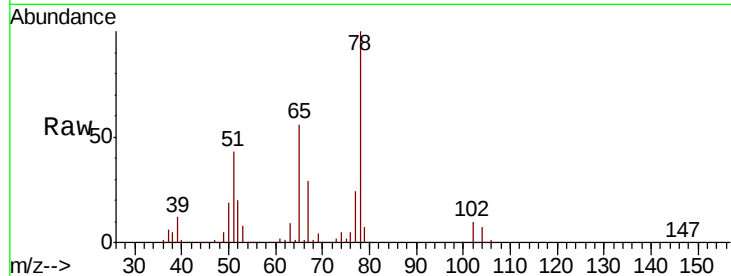
#33
 1,2-Dichloroethane-d4
 Concen: 59.947 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	151717		
67	51.6	0.0	105.2	

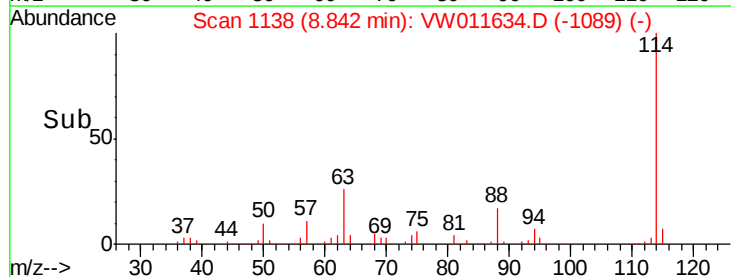
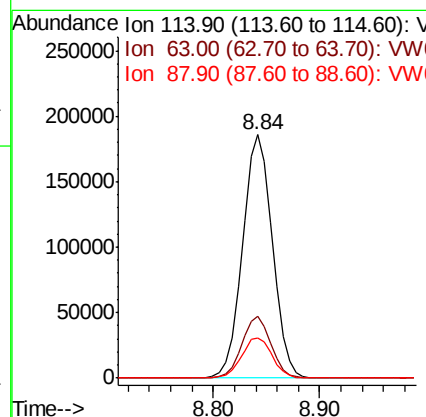
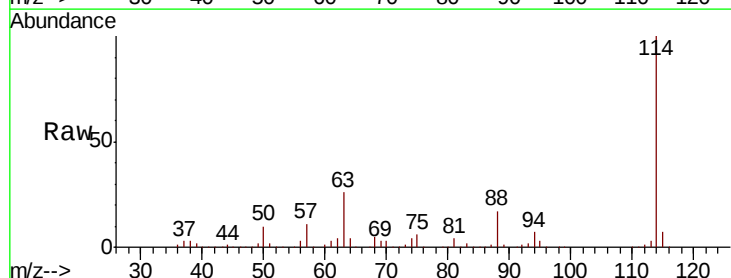
Manual Integrations
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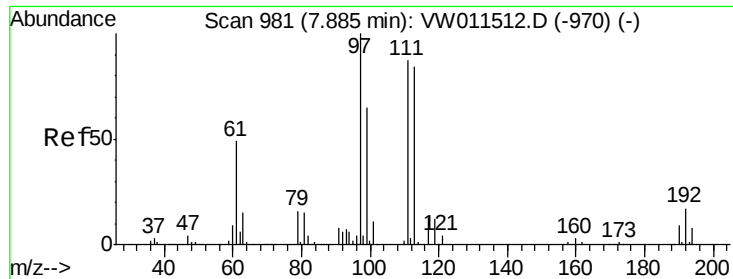
MMDadoda
 8/6/2019 9:19:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	364956		
63	25.6	0.0	49.2	
88	16.7	0.0	33.8	





#35

Dibromofluoromethane

Concen: 59.076 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

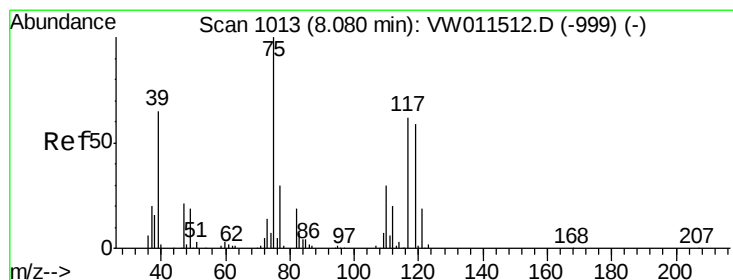
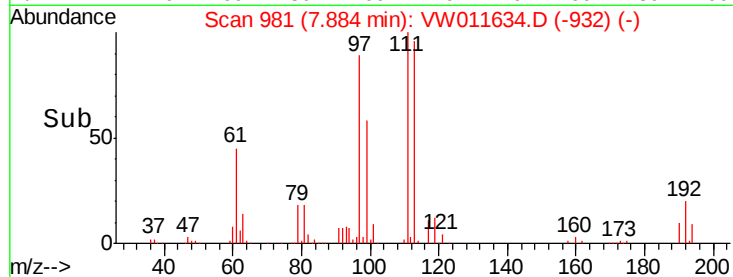
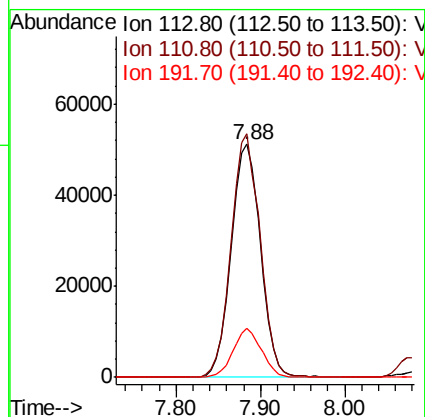
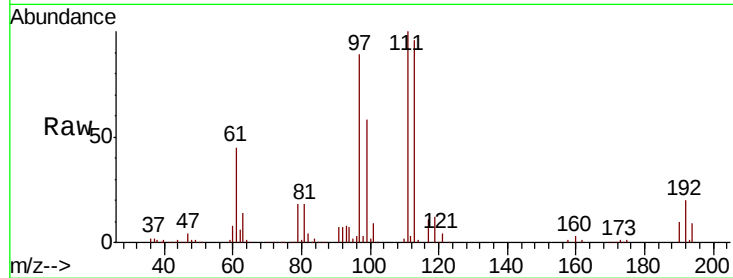
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	120956
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.7	124.1
192	20.0	16.1	24.1

Manual Integrations
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8/6/2019 9:19:54 AM



#36

1,1-Dichloropropene

Concen: 47.927 ug/l

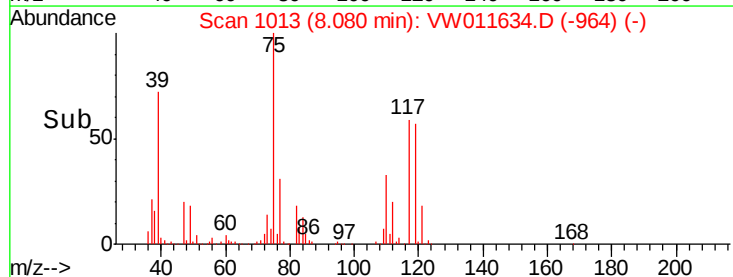
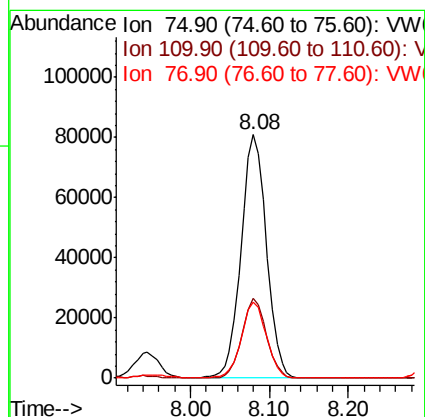
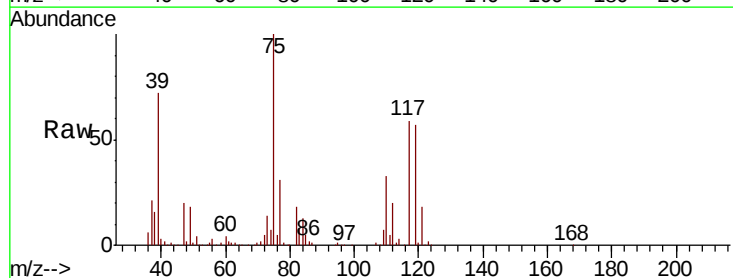
RT: 8.08 min Scan# 1013

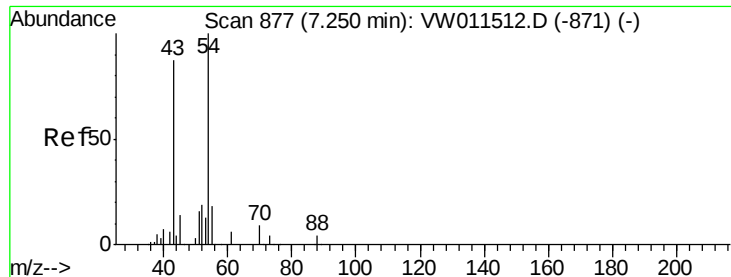
Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Tgt Ion:	75	Resp:	181878
Ion Ratio	Lower	Upper	
75	100		
110	31.6	15.6	46.8
77	30.9	24.3	36.5





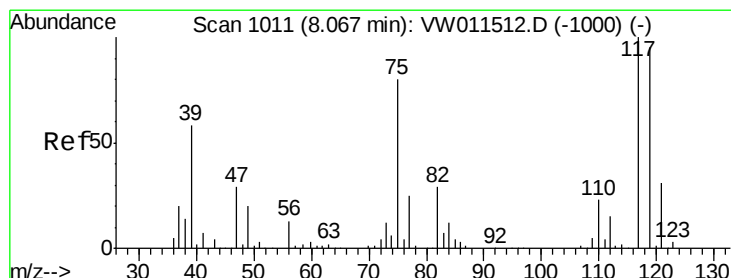
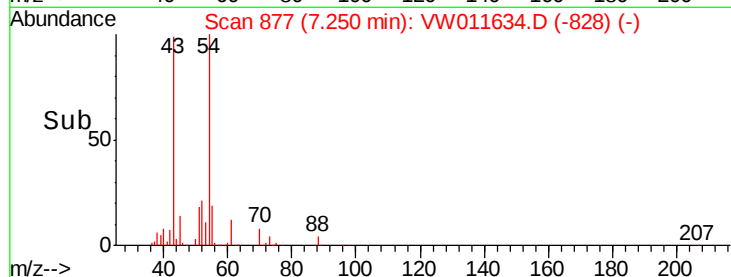
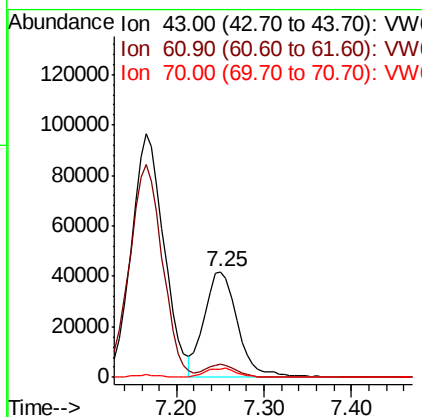
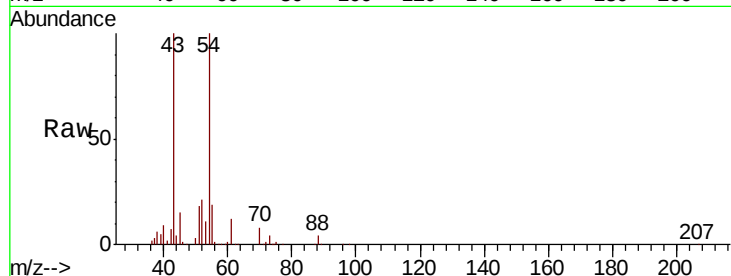
#37
Ethyl Acetate
Concen: 50.405 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	8.8	13.2
70	8.4	7.1	10.7

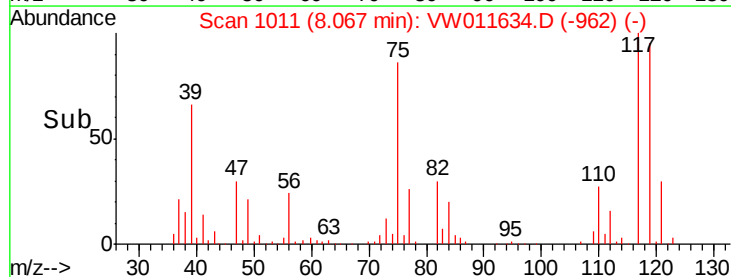
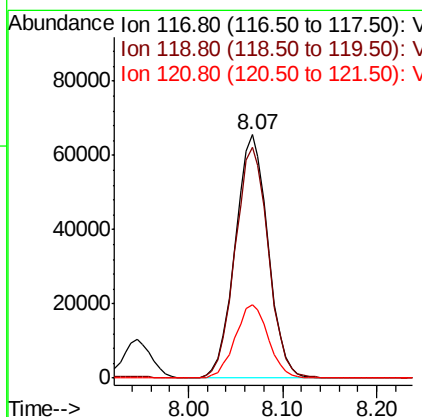
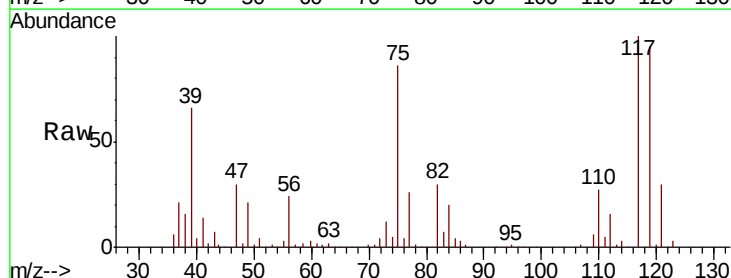
Manual Integrations
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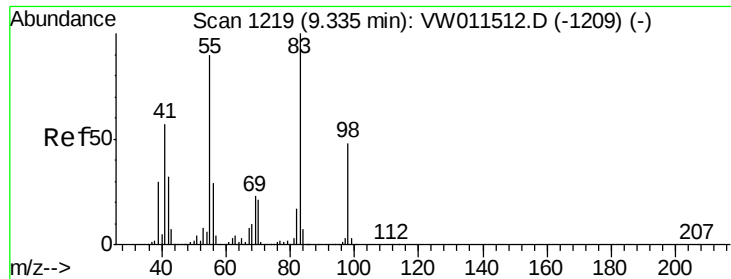
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#38
Carbon Tetrachloride
Concen: 49.107 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.8	113.6
121	30.4	24.7	37.1





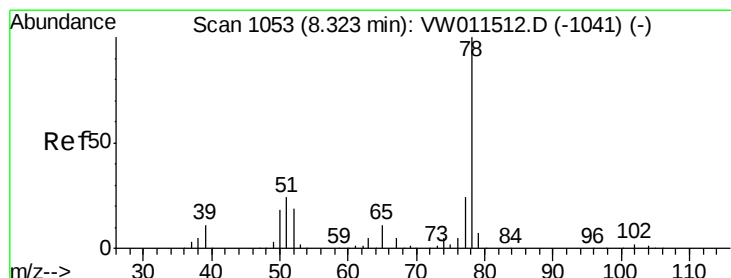
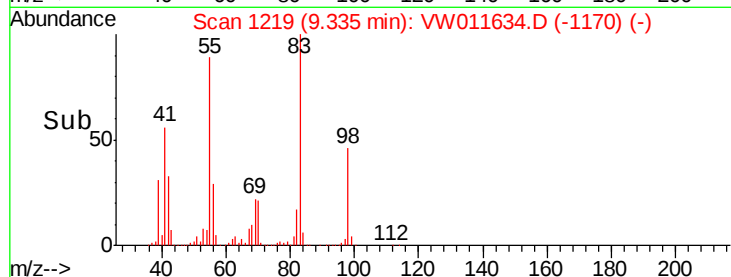
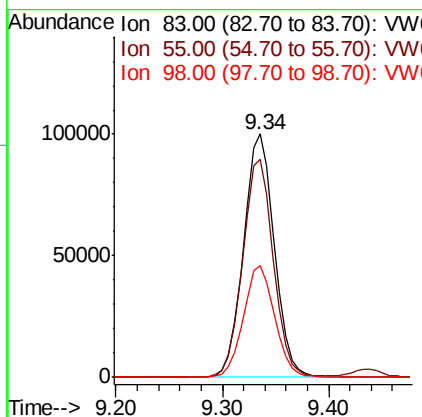
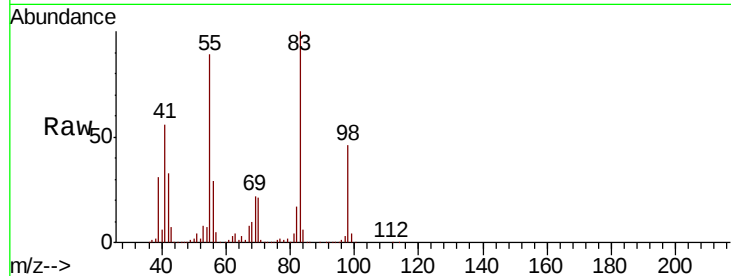
#39
Methvlcvclohexane
Concen: 48.710 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	203539		
55	89.5	72.1	108.1	
98	46.1	38.6	57.8	

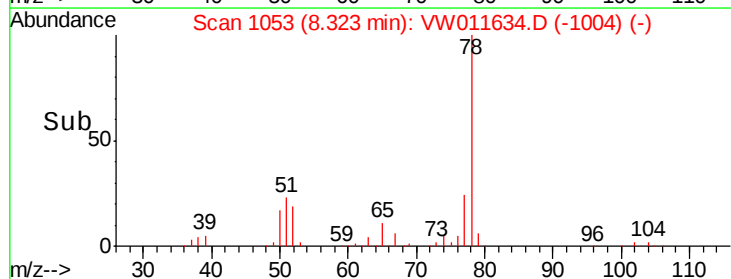
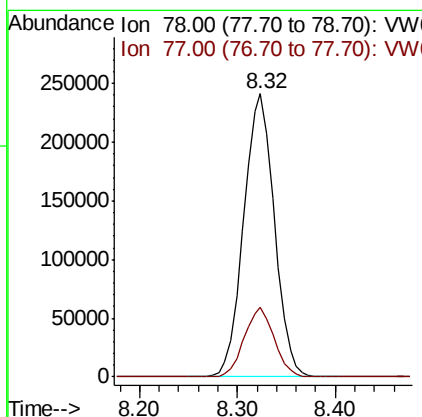
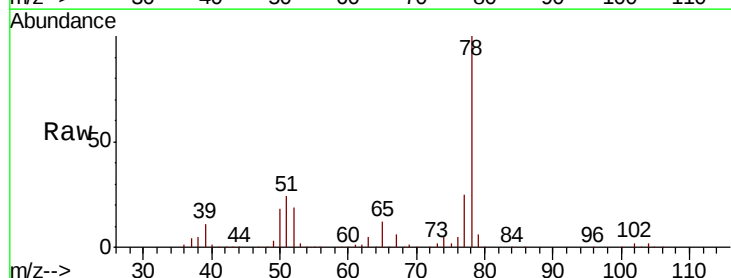
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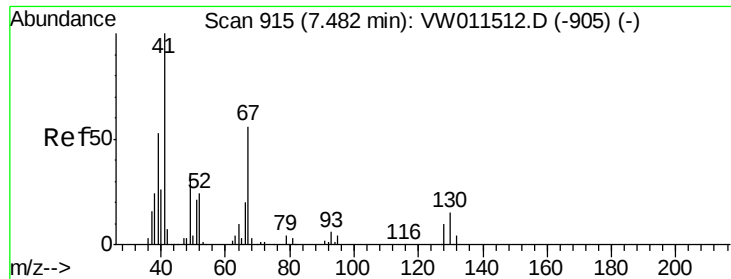
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#40
Benzene
Concen: 49.305 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	524094		
77	24.6	19.4	29.0	





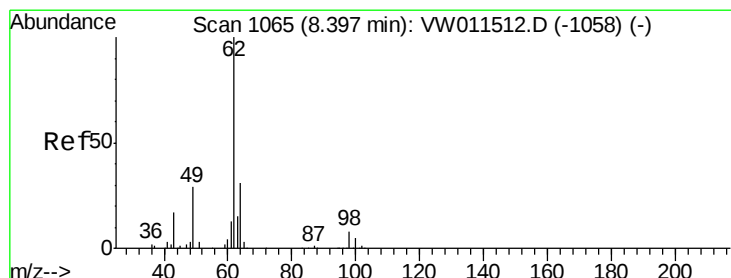
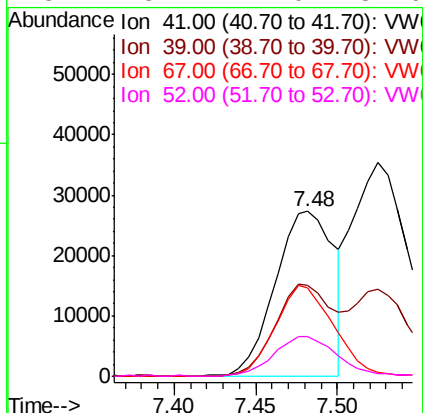
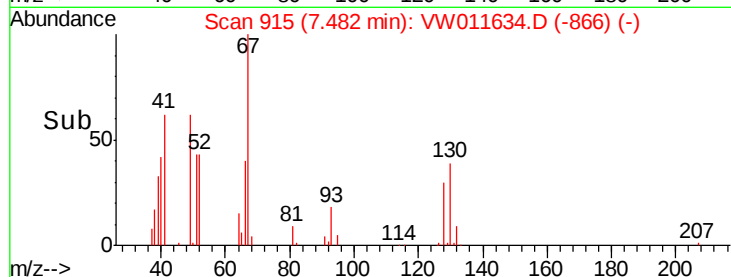
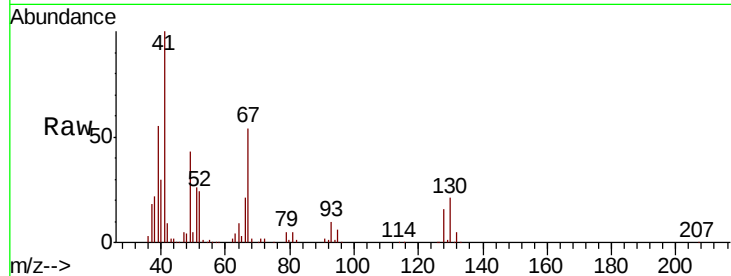
#41
Methacrylonitrile
Concen: 52.335 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	43.0	64.4	
67	54.9	47.5	71.3	
52	25.1	21.0	31.6	

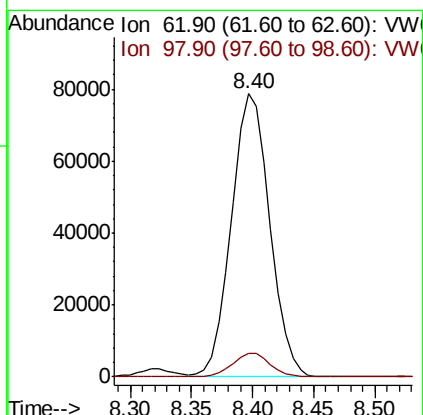
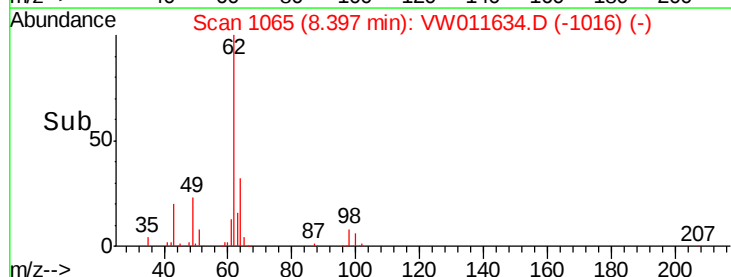
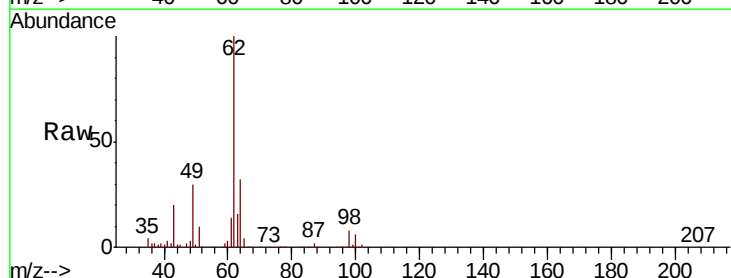
Manual Integrations
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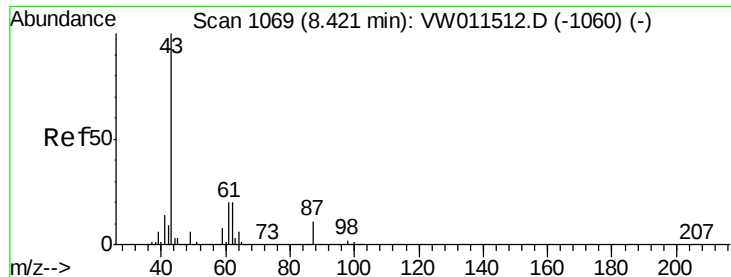
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.235 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.8	





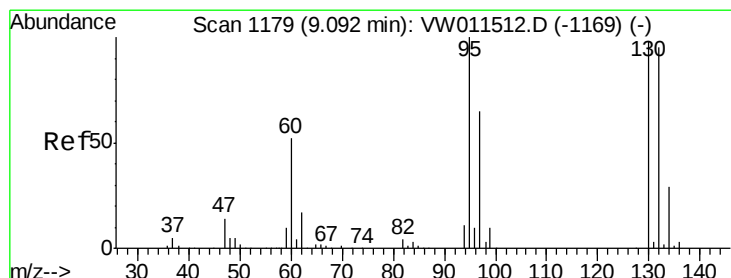
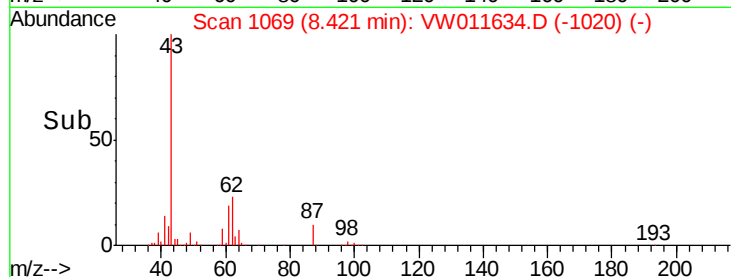
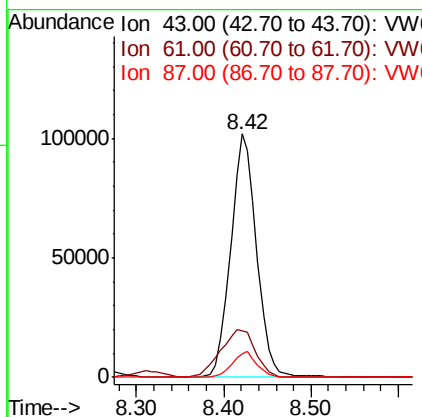
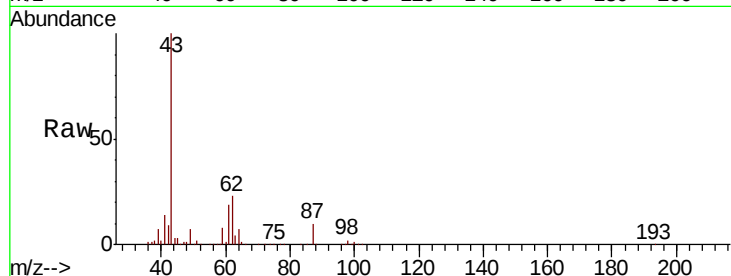
#43
Isopropyl Acetate
Concen: 51.709 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	207625
Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.5	32.3
87	10.2	8.4	12.6

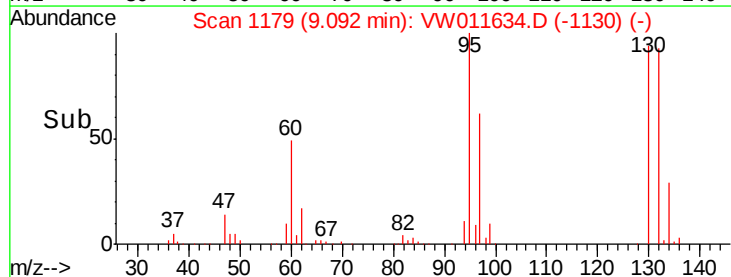
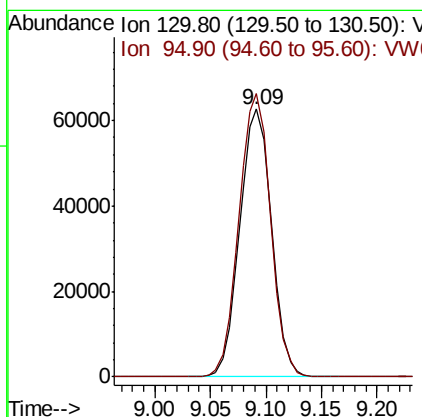
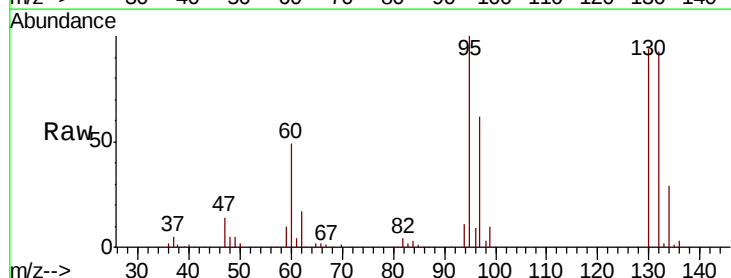
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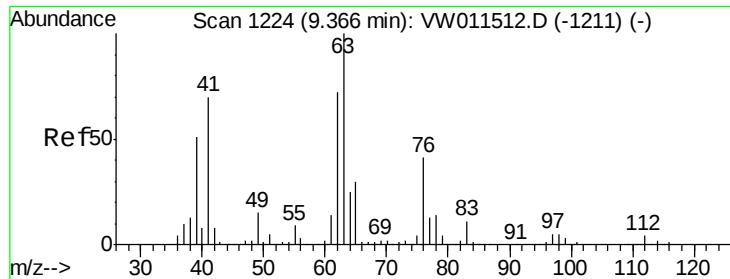
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#44
Trichloroethene
Concen: 48.642 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	130	Resp	124272
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	204.8





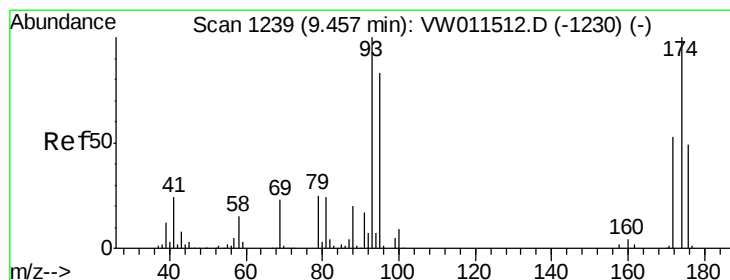
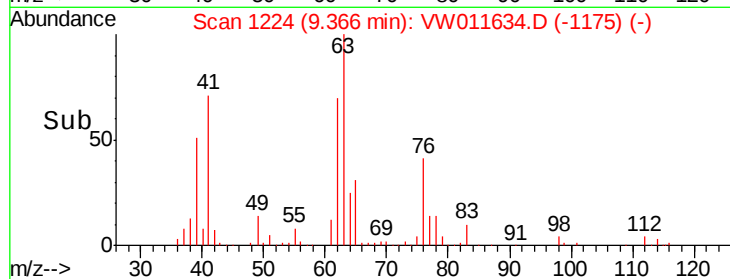
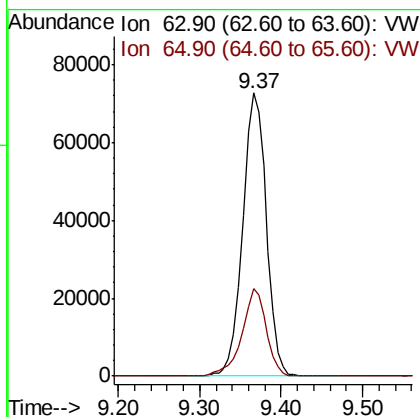
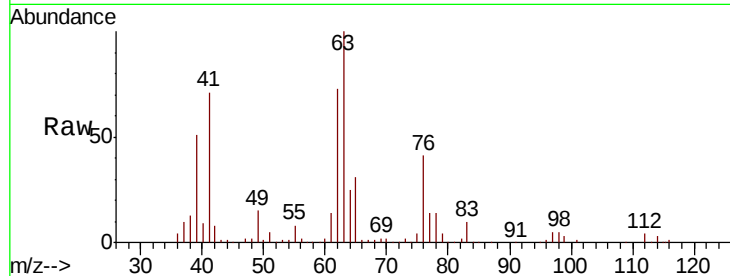
#45
 1,2-Dichloropropane
 Concen: 51.369 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.2	36.4

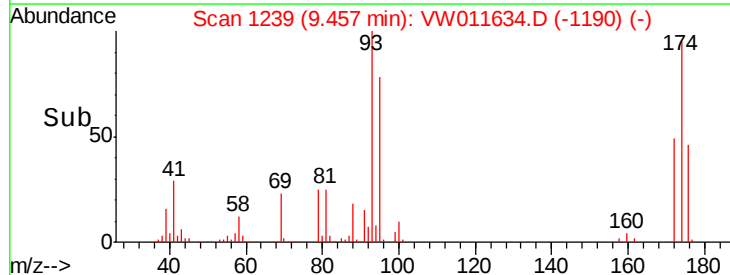
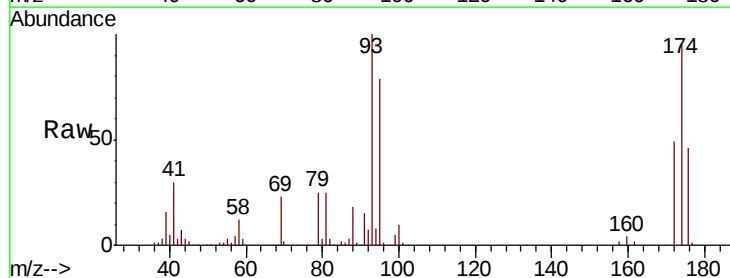
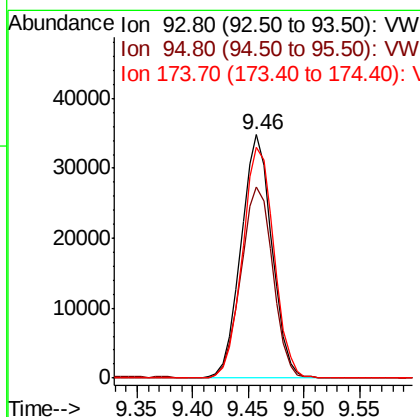
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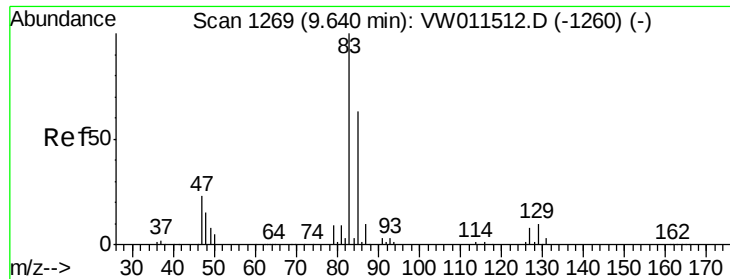
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#46
 Dibromomethane
 Concen: 51.525 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	66.2	99.2
174	97.4	78.2	117.4





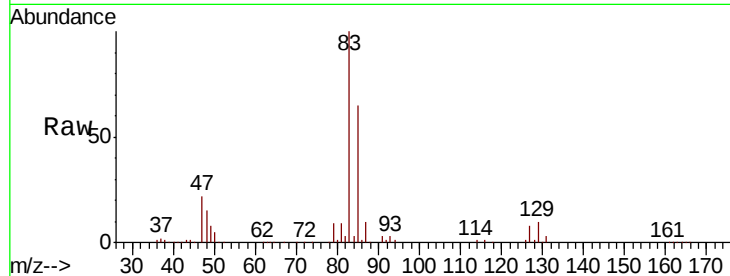
#47
Bromodichloromethane
Concen: 51.901 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	176729
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	50.5	75.7
127	7.9	6.4	9.6

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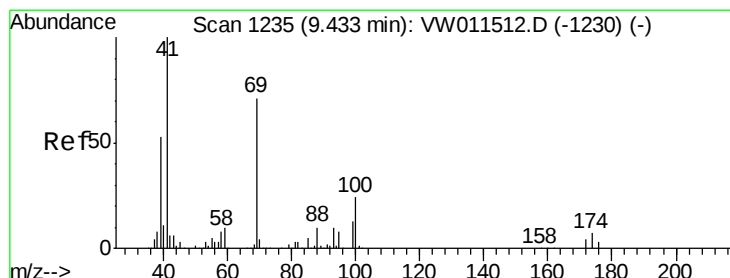
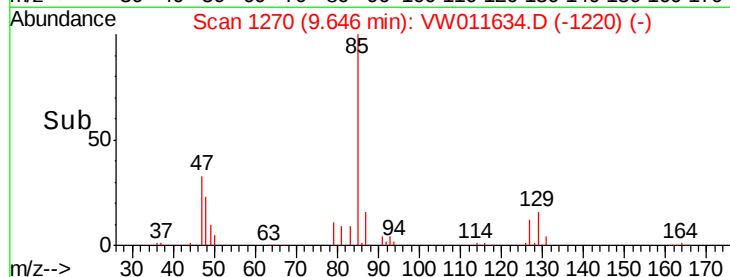
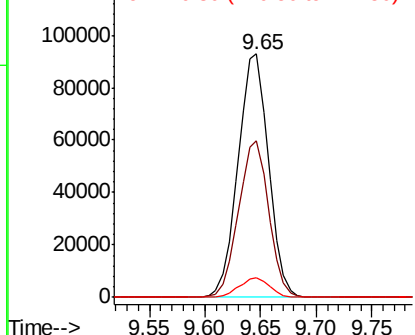


Abundance

Ion 82.90 (82.60 to 83.60): VW

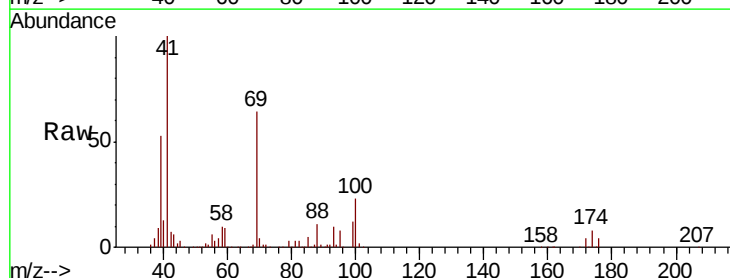
Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48
Methyl methacrylate
Concen: 52.936 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	41	Resp	102102
Ion Ratio	100	Lower	Upper
41	100		
69	70.2	57.1	85.7
39	52.8	45.4	68.2

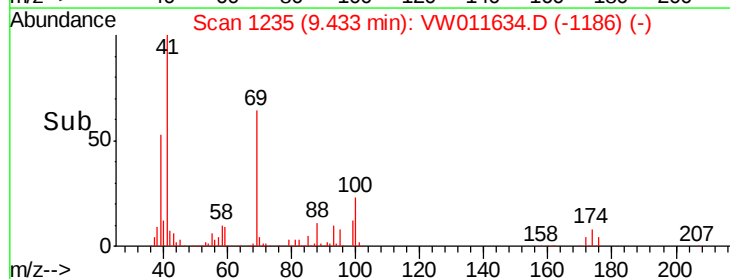
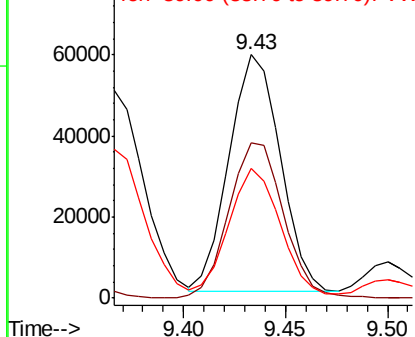


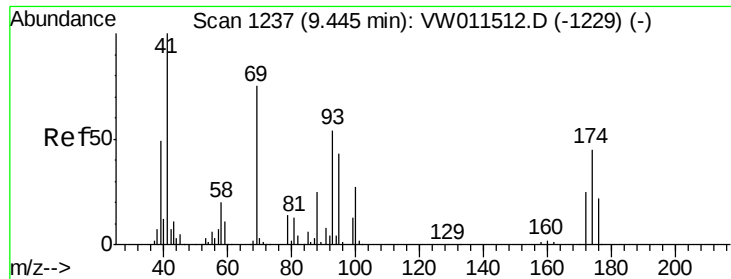
Abundance

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





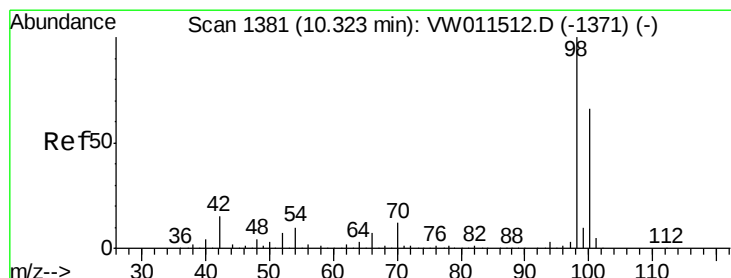
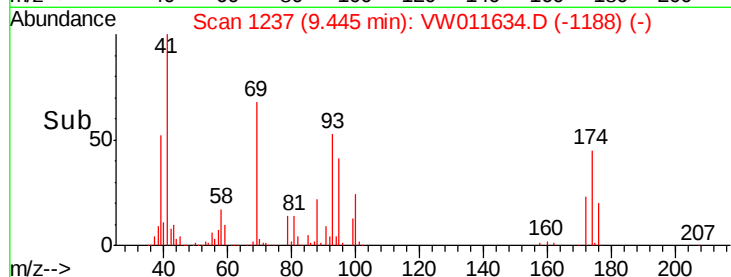
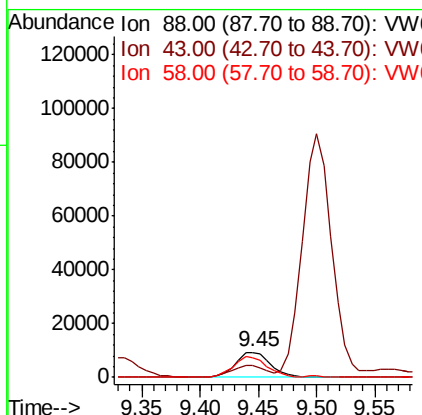
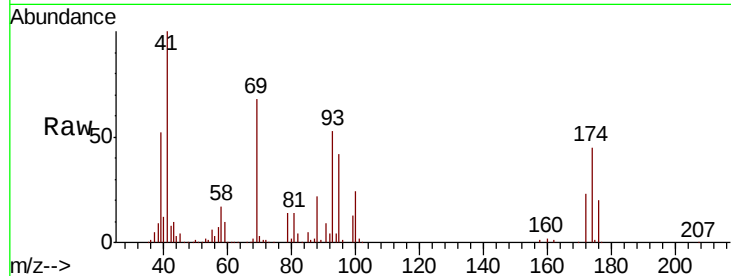
#49
1,4-Dioxane
Concen: 1053.365 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	19799
Ion	Ratio	Lower	Upper
88	100		
43	43.5	34.0	51.0
58	81.3	69.7	104.5

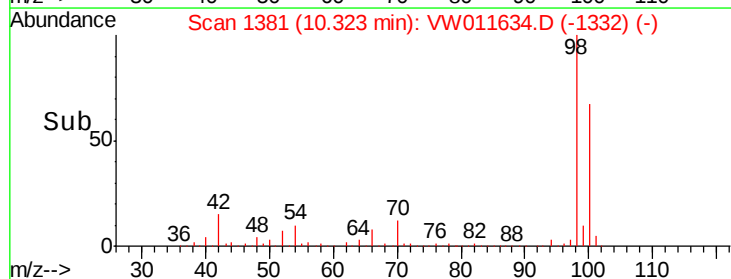
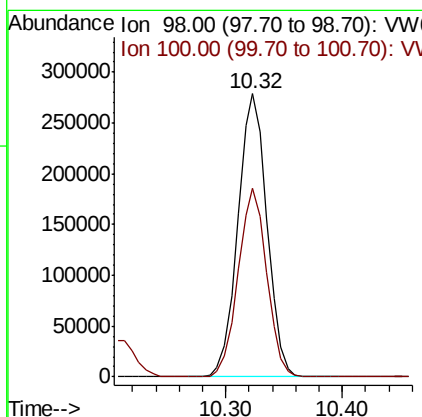
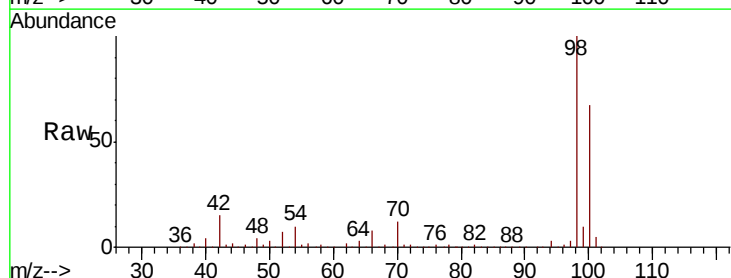
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#50
Toluene-d8
Concen: 57.786 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	98	Resp	484420
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 258.964 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 540854

Ion Ratio Lower Upper

43 100

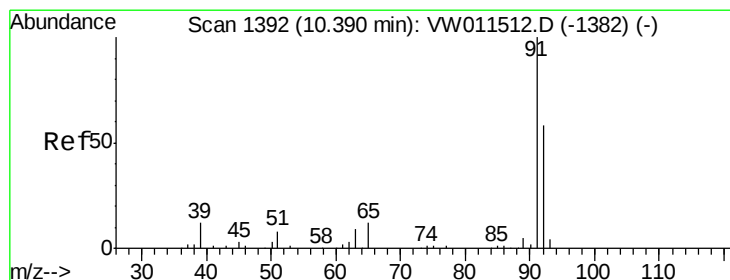
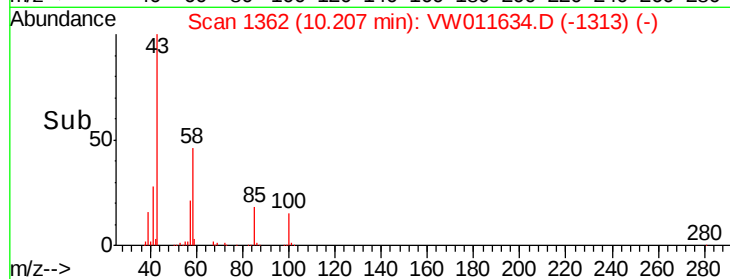
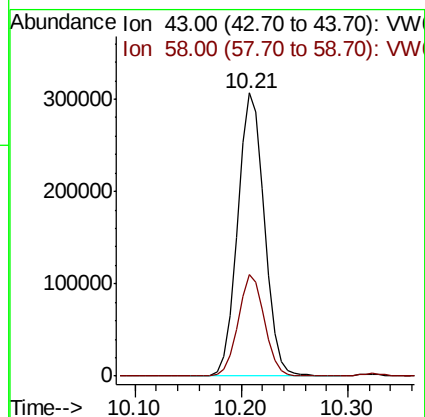
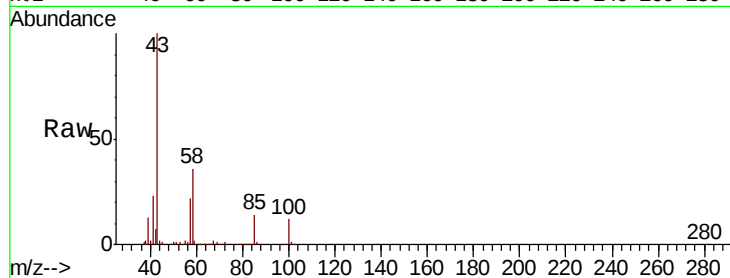
58 35.2 28.2 42.2

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#52

Toluene

Concen: 49.596 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011634.D

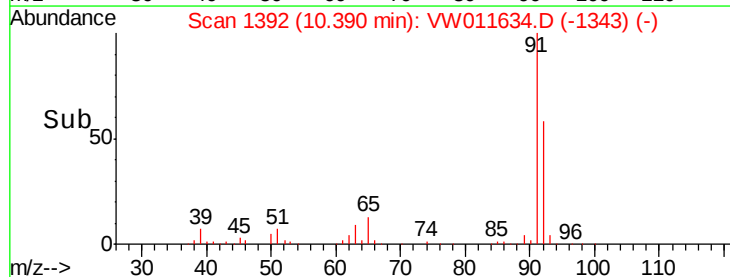
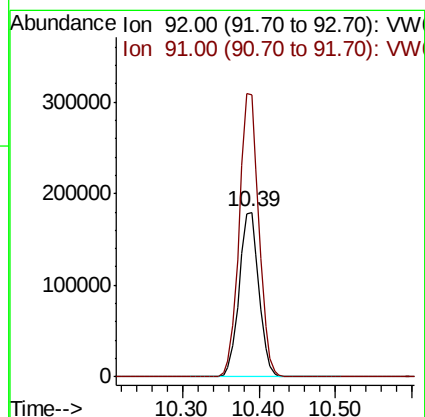
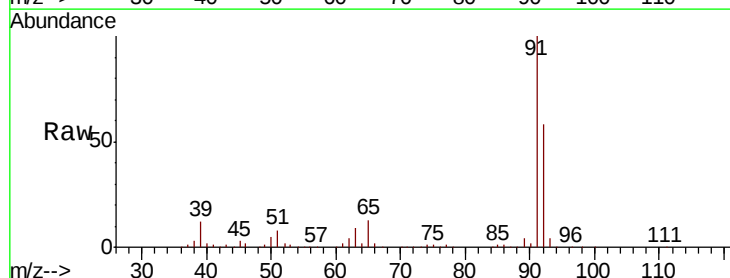
Acq: 02 Aug 2019 21:48

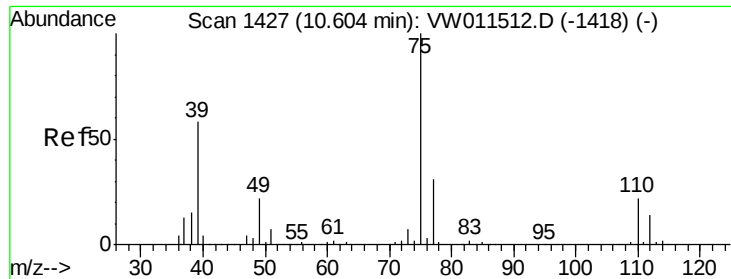
Tgt Ion: 92 Resp: 318371

Ion Ratio Lower Upper

92 100

91 172.0 136.7 205.1





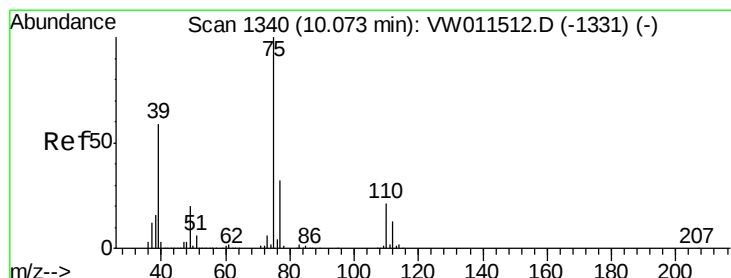
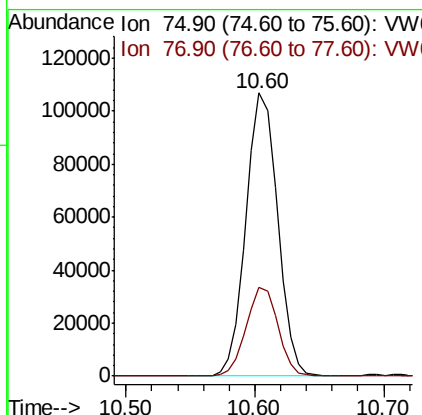
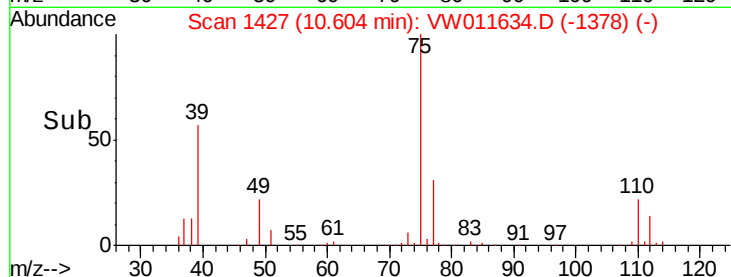
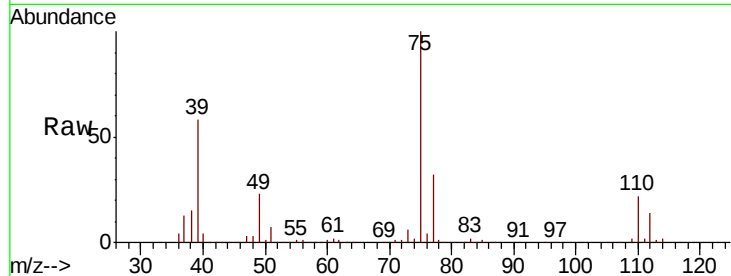
#53
 t-1,3-Dichloropropene
 Concen: 51.138 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 181901
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.4

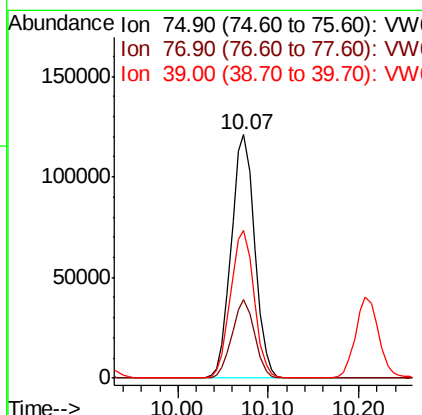
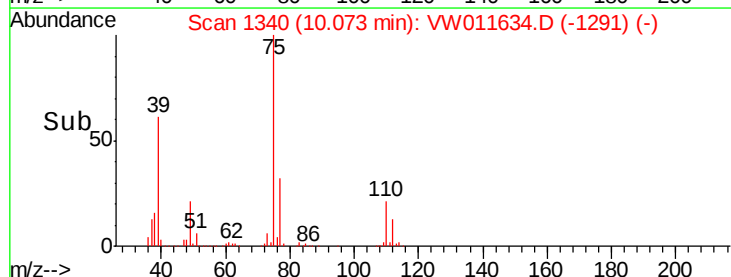
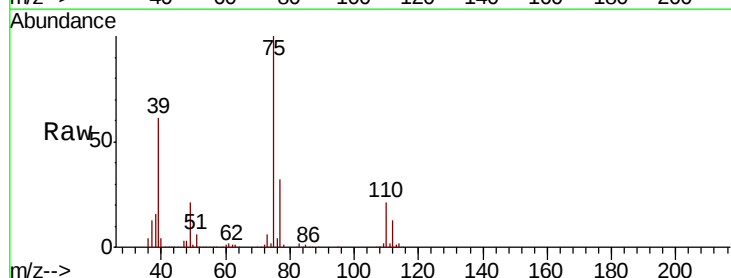
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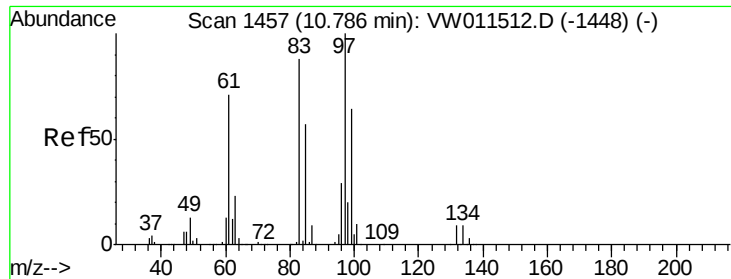
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#54
 cis-1,3-Dichloropropene
 Concen: 51.347 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion: 75 Resp: 217164
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4
 39 60.8 47.0 70.4





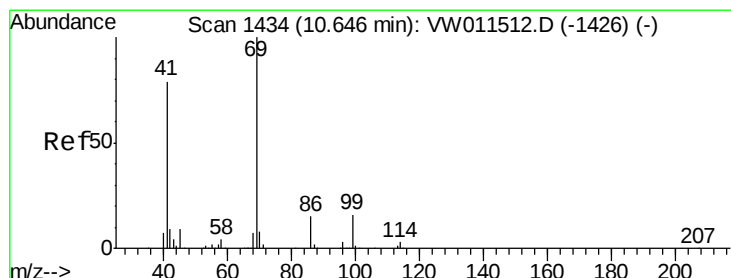
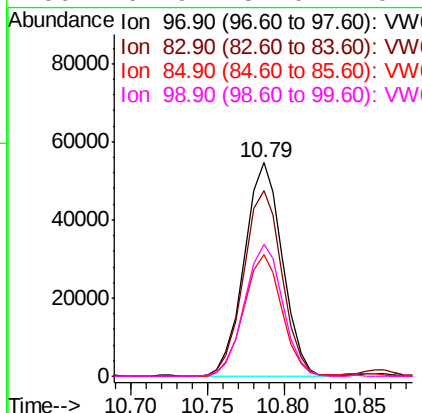
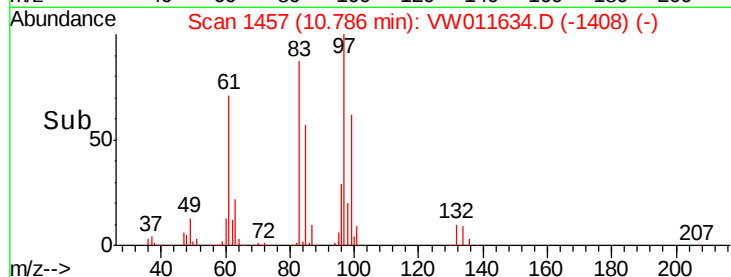
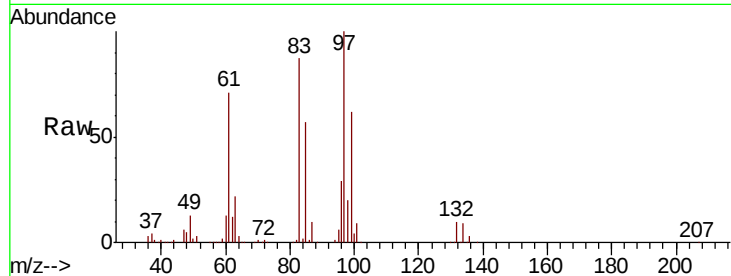
#55
 1,1,2-Trichloroethane
 Concen: 51.340 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	94561
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.5	105.7
85	56.8	45.8	68.6
99	61.9	51.0	76.4

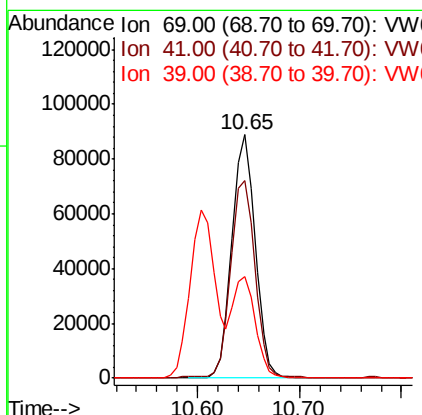
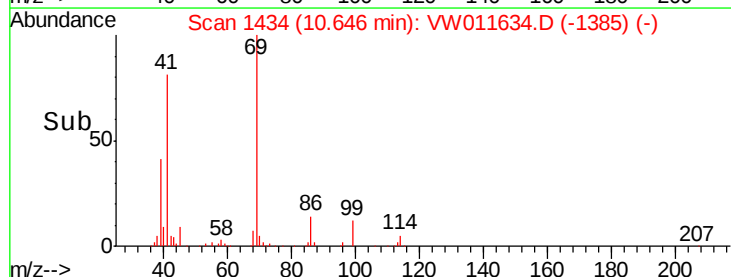
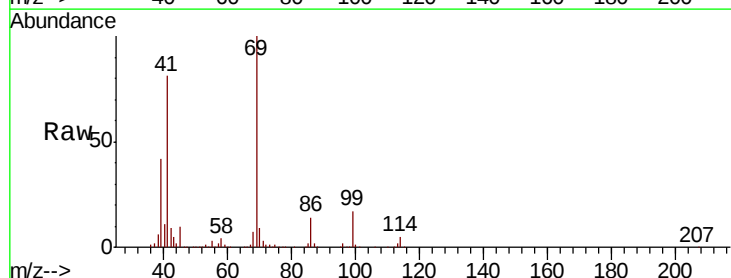
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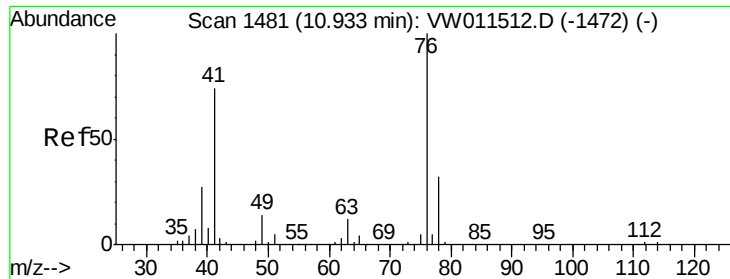
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#56
 Ethyl methacrylate
 Concen: 52.269 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion:	69	Resp:	140875
Ion	Ratio	Lower	Upper
69	100		
41	85.1	66.6	99.8
39	39.8	30.3	45.5





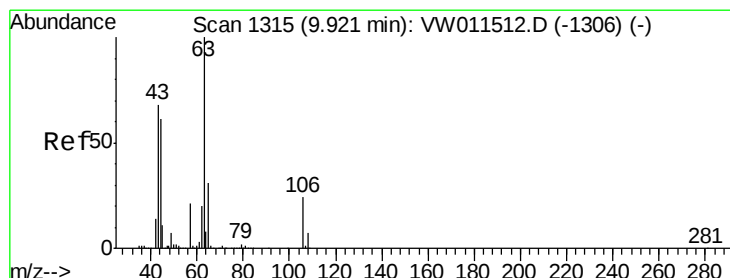
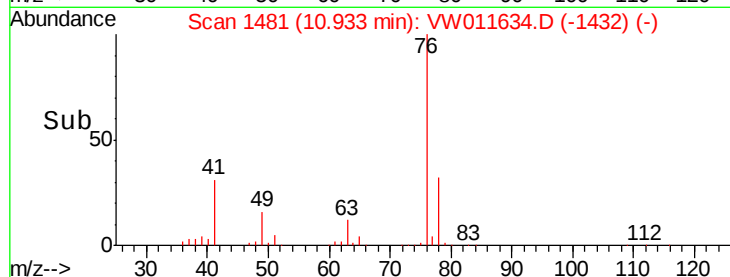
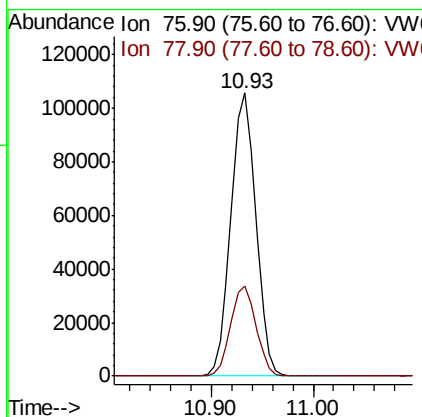
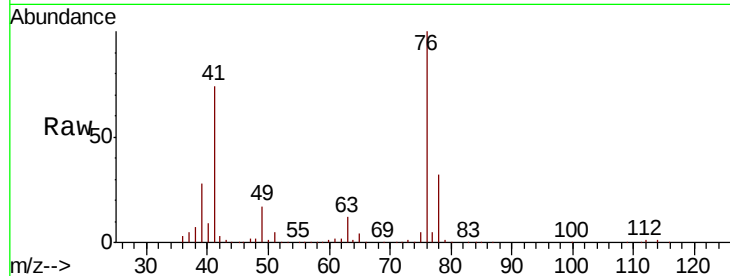
#57
 1,3-Dichloropropane
 Concen: 51.364 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 178980
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8

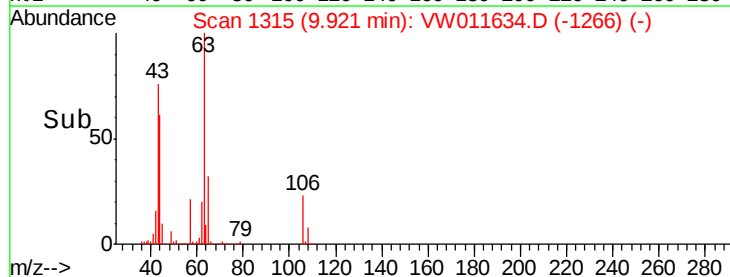
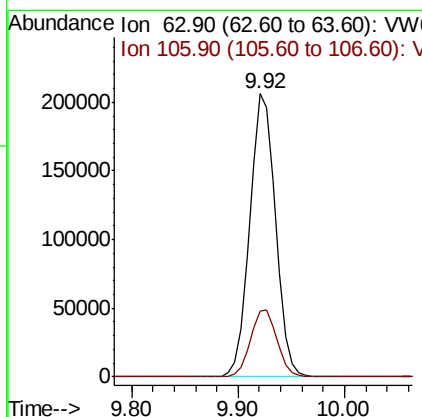
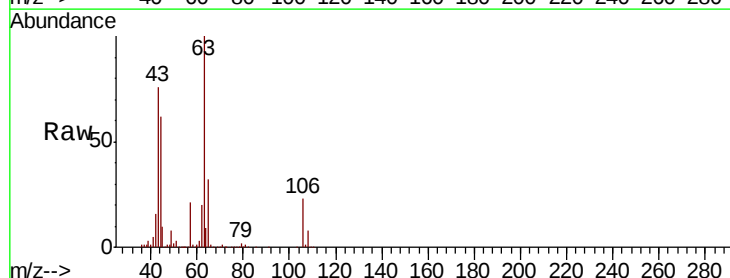
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#58
 2-Chloroethyl Vinyl ether
 Concen: 286.709 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion: 63 Resp: 350854
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5





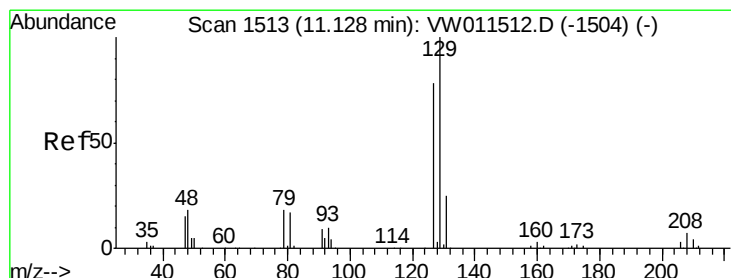
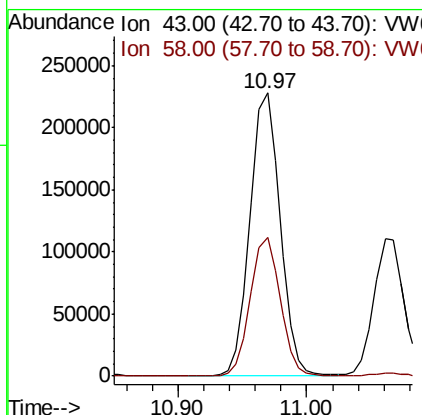
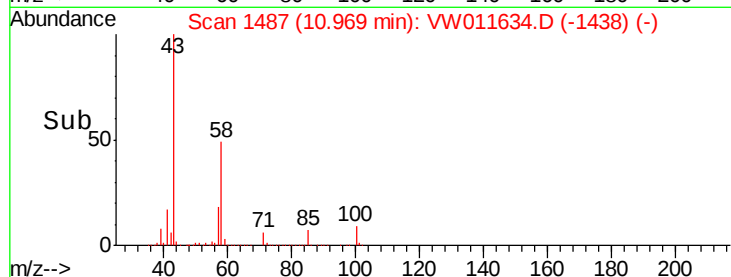
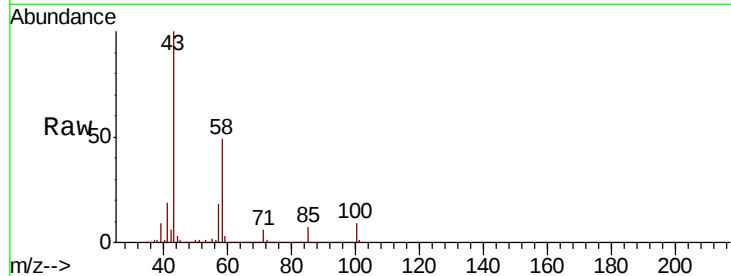
#59
2-Hexanone
Concen: 250.157 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.3	72.9

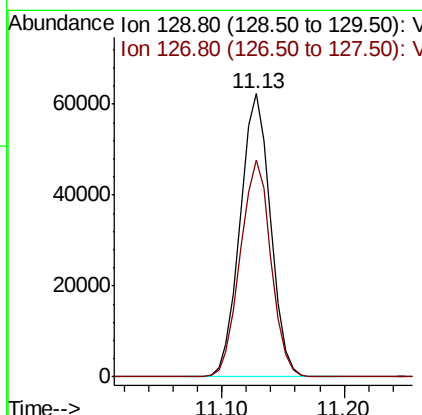
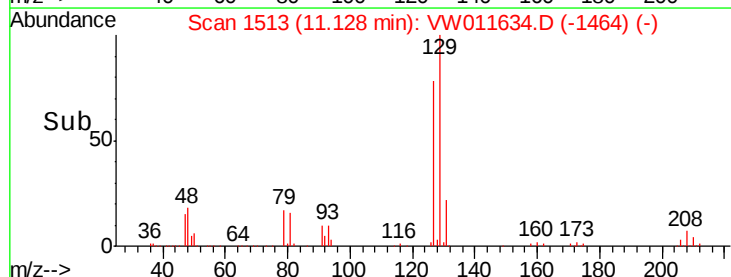
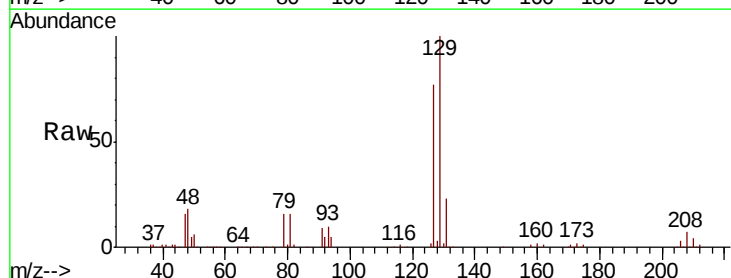
Manual Integrations
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8/6/2019 9:19:54 AM



#60
Dibromochloromethane
Concen: 52.547 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.9	116.7





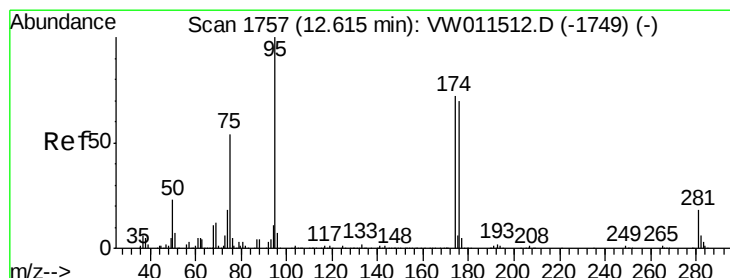
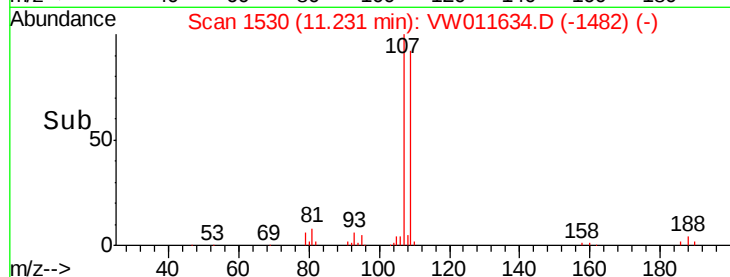
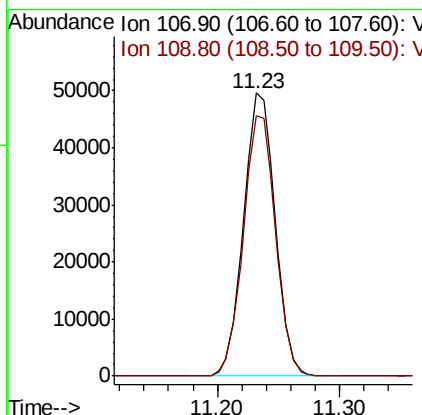
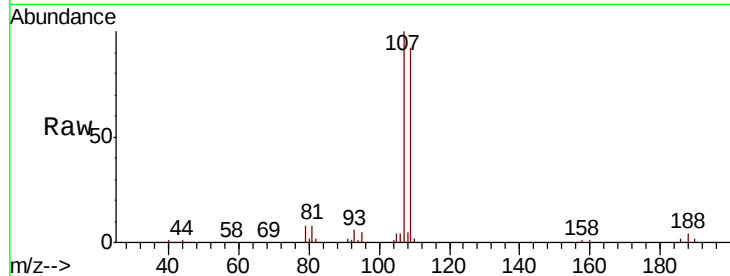
#61
 1,2-Dibromoethane
 Concen: 51.099 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

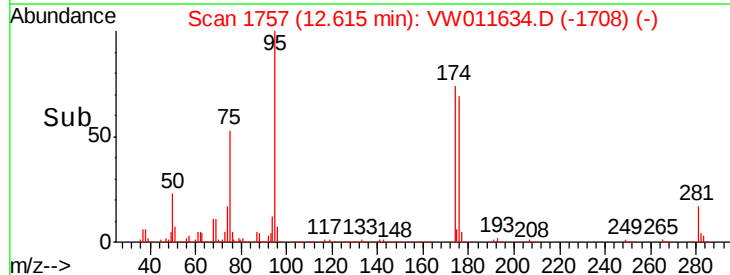
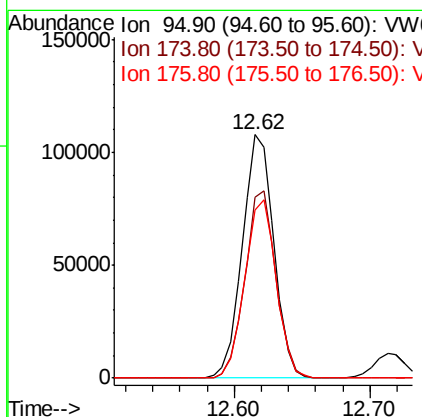
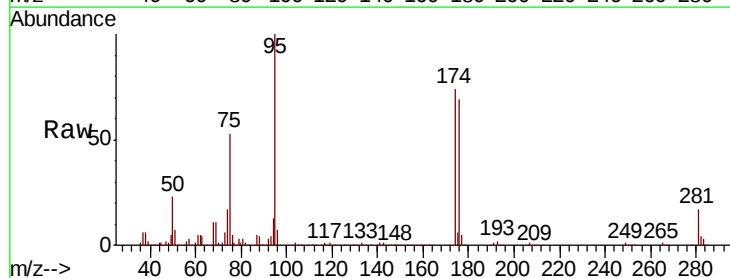
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#62
 4-Bromofluorobenzene
 Concen: 58.332 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	150.2
176	73.6	0.0	144.4





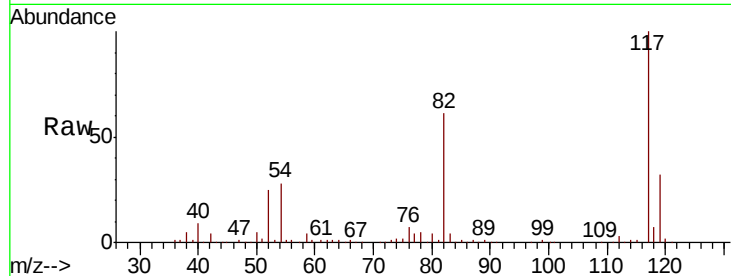
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	330755		
82	61.1	47.9	71.9	
119	31.9	26.2	39.2	

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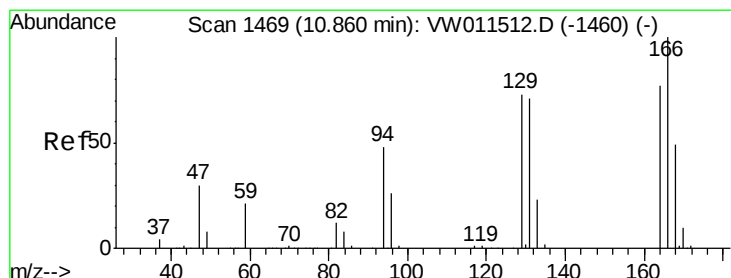
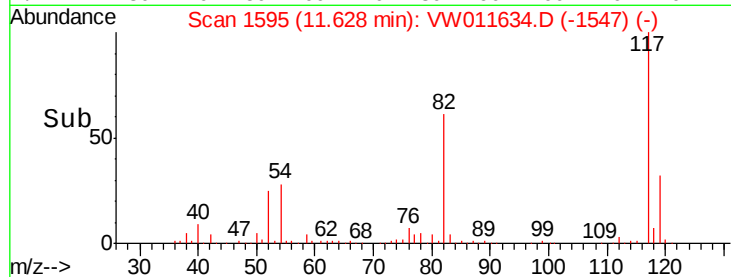
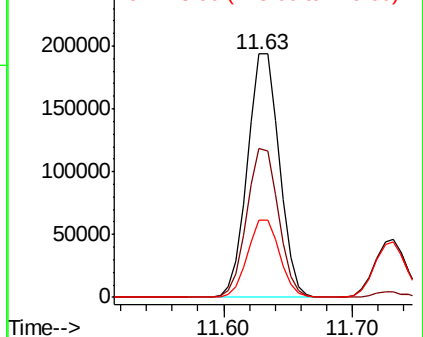


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.514 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104478		
166	129.0	103.5	155.3	
129	95.2	75.2	112.8	
131	92.0	73.4	110.2	

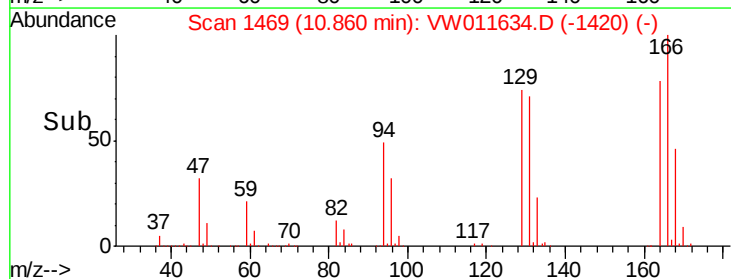
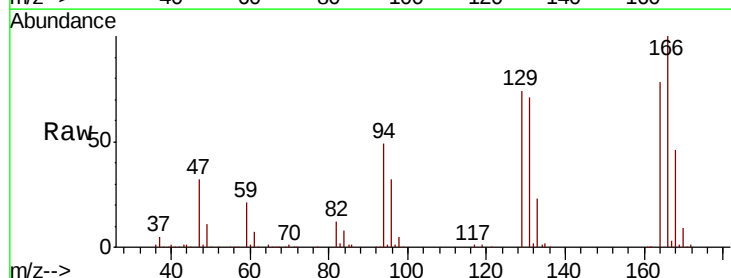
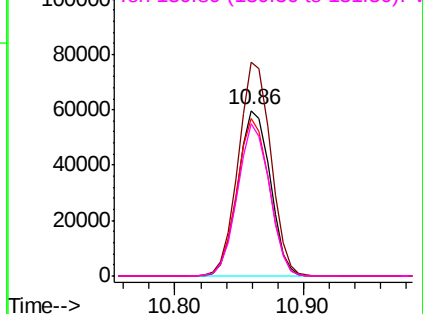
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





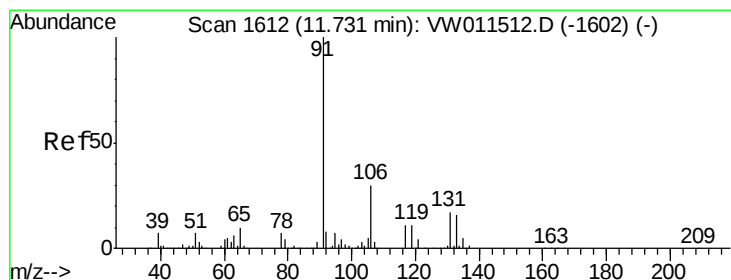
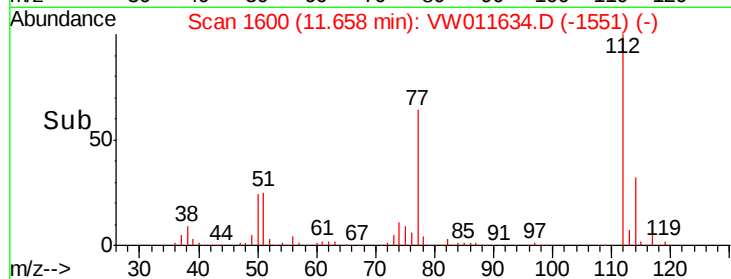
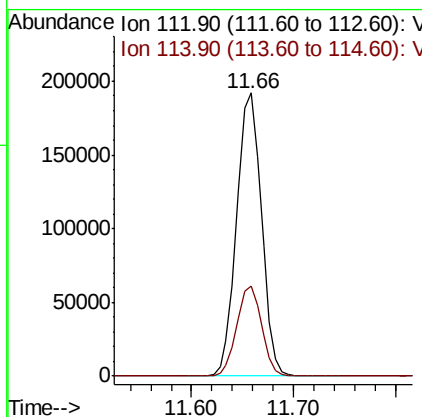
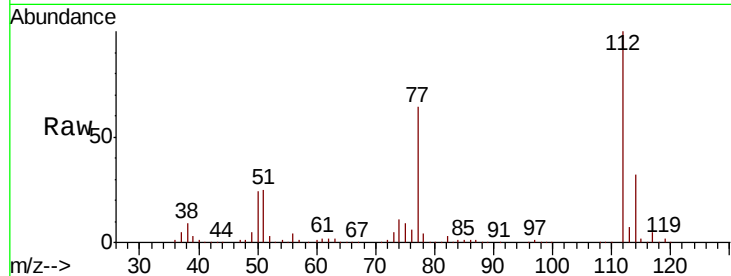
#65
Chlorobenzene
Concen: 48.537 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 322755
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

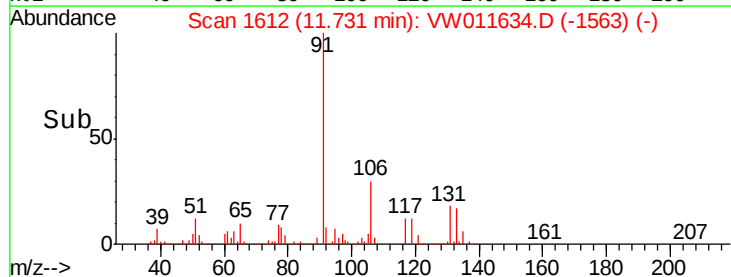
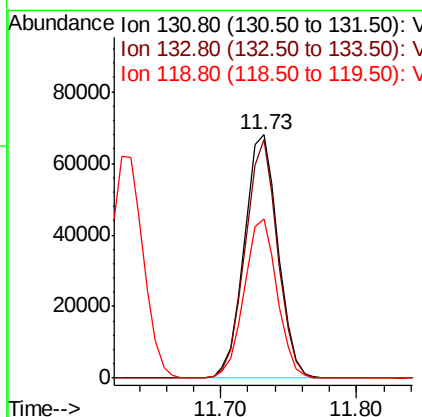
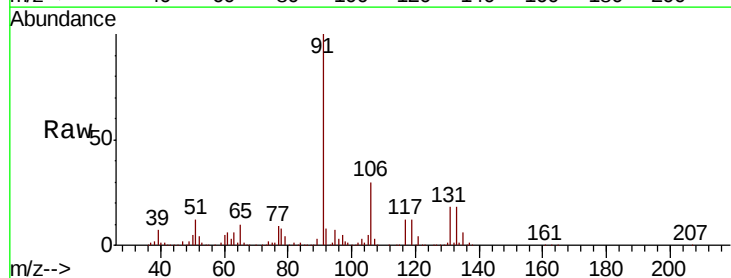
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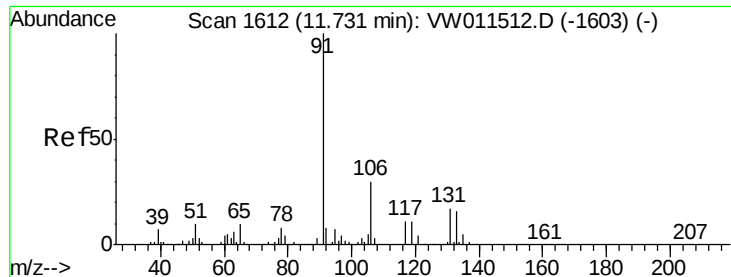
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.818 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion:131 Resp: 117708
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.2
119 64.0 32.3 96.9





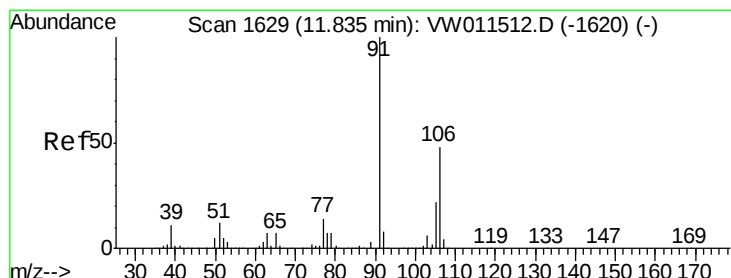
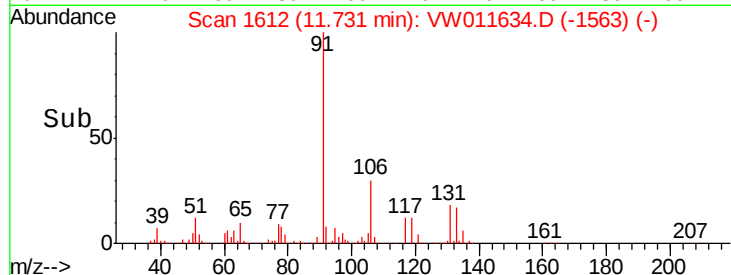
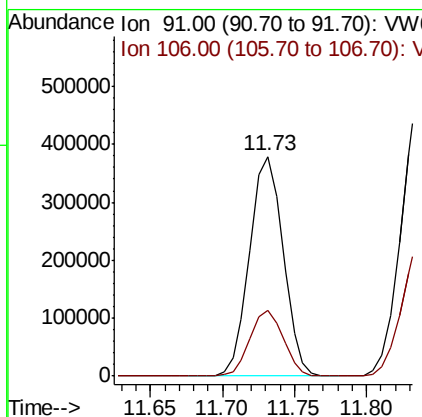
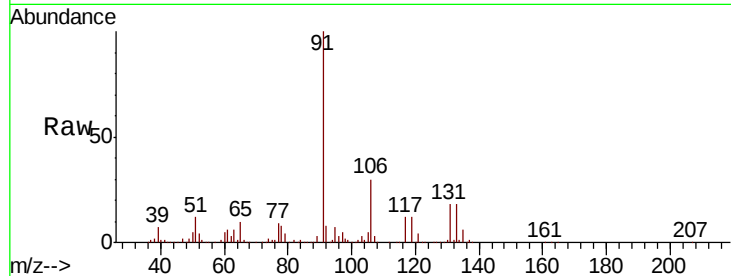
#67
Ethyl Benzene
Concen: 48.552 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 614891
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6

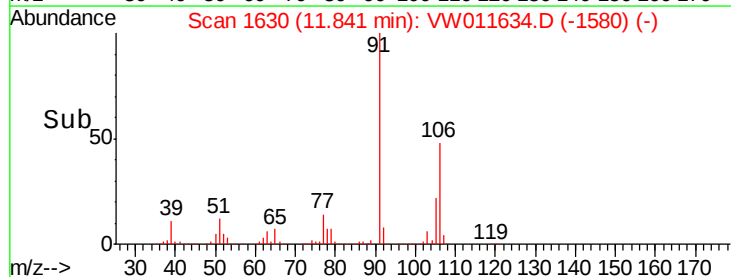
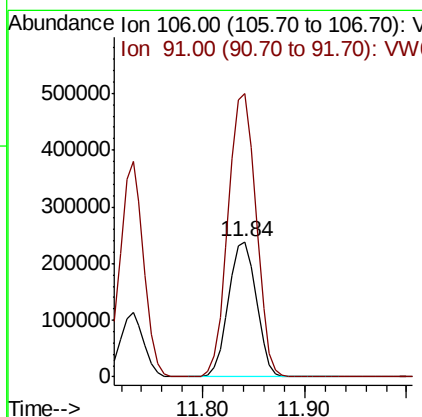
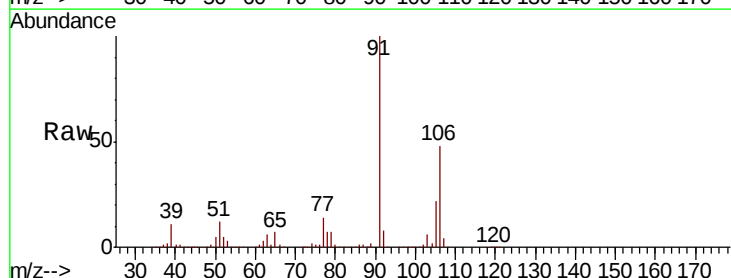
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#68
m/p-Xylenes
Concen: 97.878 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion: 106 Resp: 450805
Ion Ratio Lower Upper
106 100
91 210.2 168.2 252.2





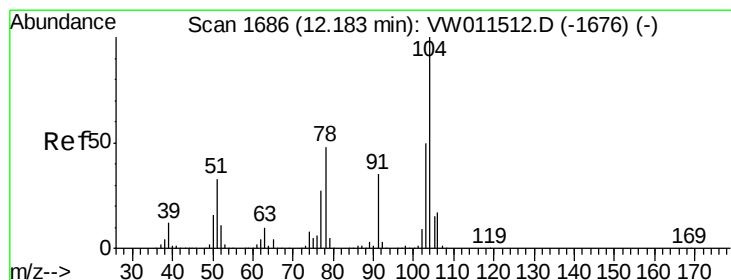
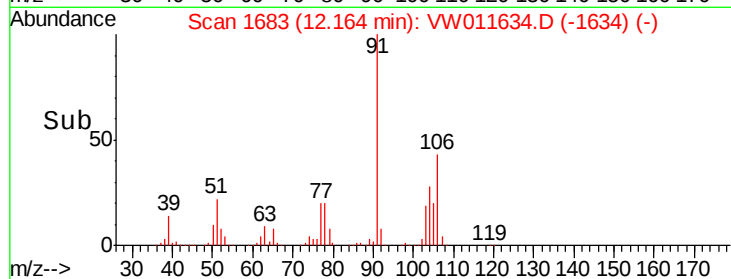
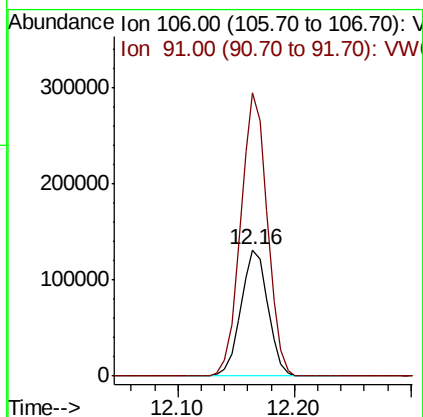
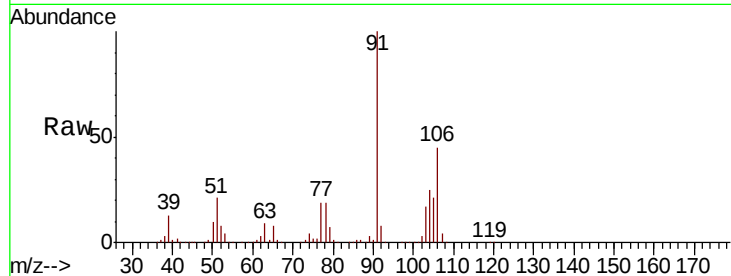
#69
o-Xylene
Concen: 49.711 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		212761		
91	221.4	110.5	331.5		

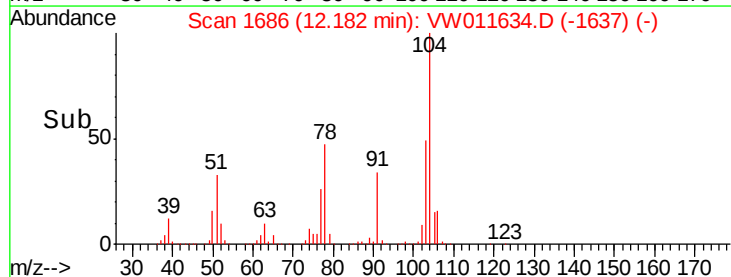
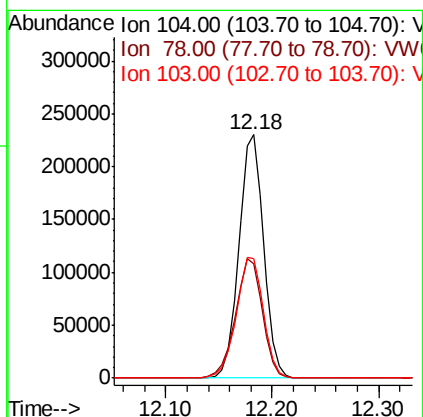
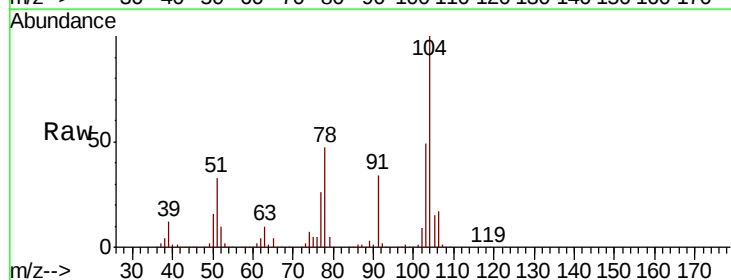
Manual Integrations
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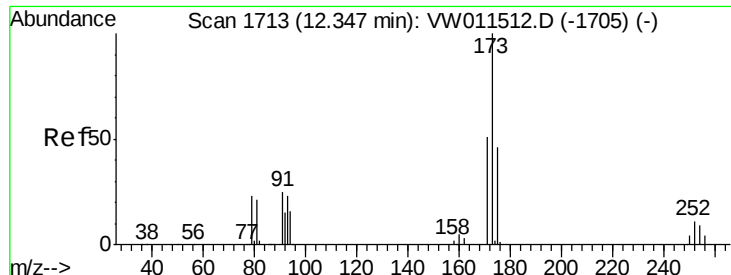
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#70
Styrene
Concen: 50.540 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		374002		
78	53.7	43.4	65.0		
103	54.6	43.9	65.9		





#71

Bromoform

Concen: 51.937 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 61336

Ion Ratio Lower Upper

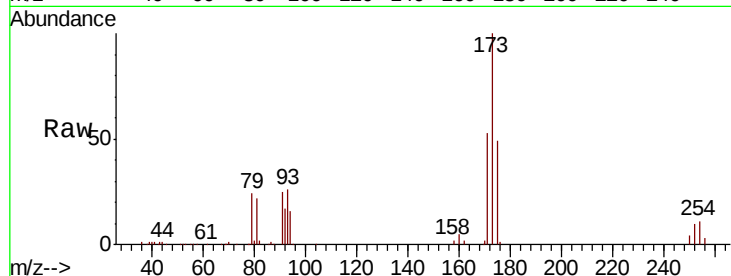
173 100

175 49.0 23.6 71.0

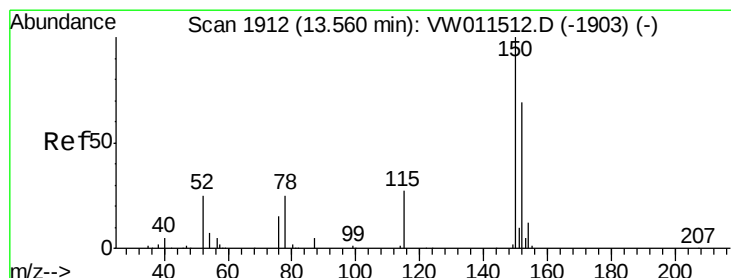
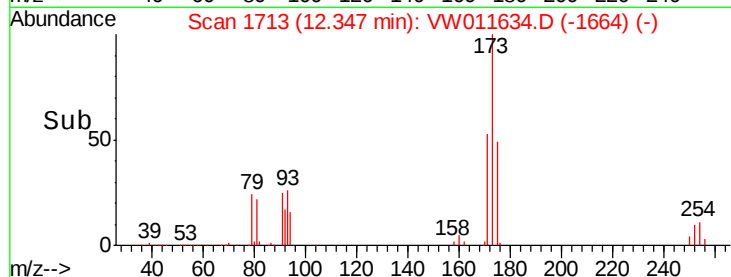
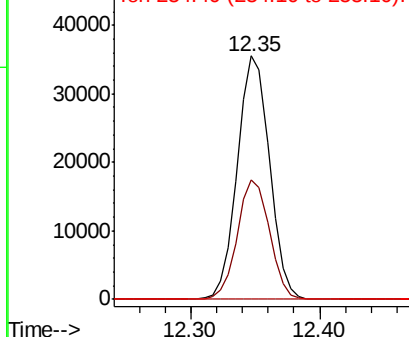
254 0.0 0.1 0.1#

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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: VW011634.D

Acq: 02 Aug 2019 21:48

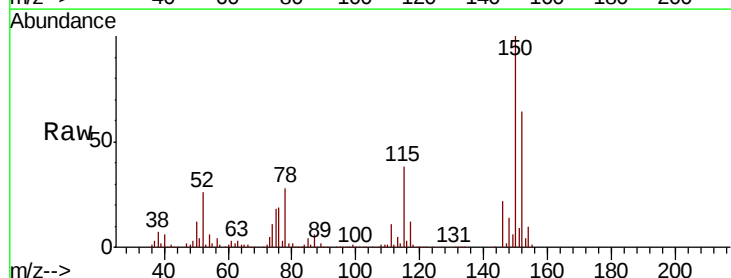
Tgt Ion:152 Resp: 161208

Ion Ratio Lower Upper

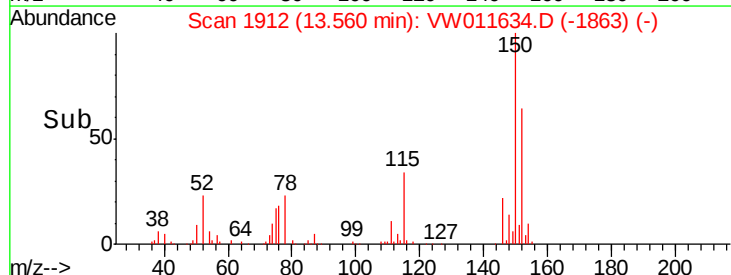
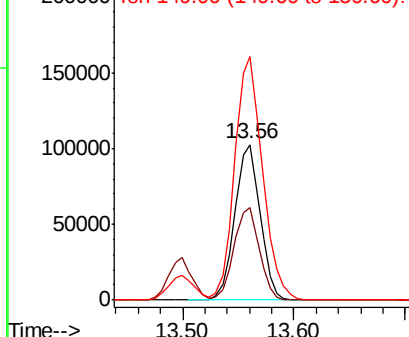
152 100

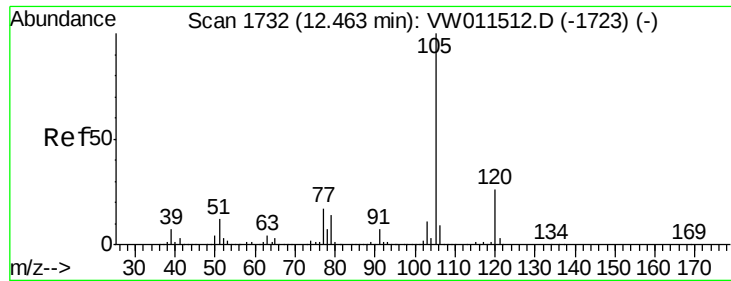
115 59.8 30.5 91.5

150 172.3 0.0 352.6



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





#73

Isopropylbenzene

Concen: 48.594 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 584421

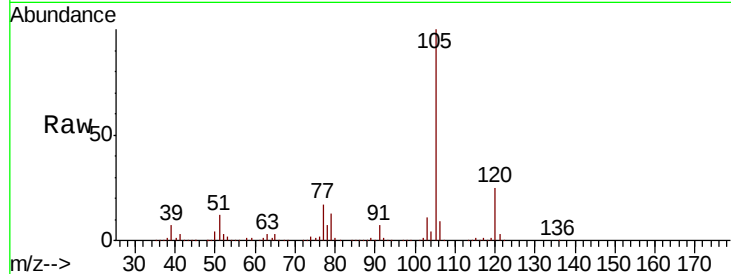
Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

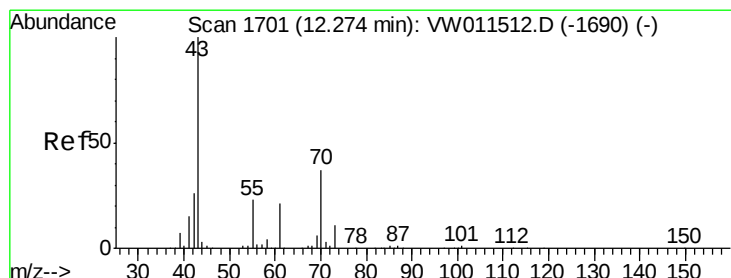
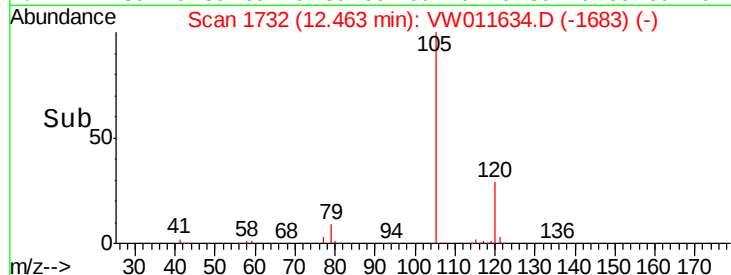
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 51.338 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Tgt Ion: 43 Resp: 193299

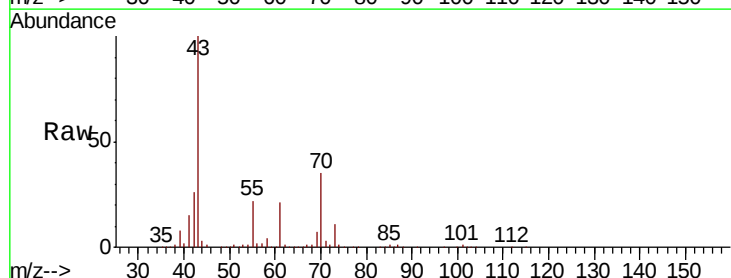
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 22.7 17.8 26.8

61 21.4 17.0 25.6



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

200000

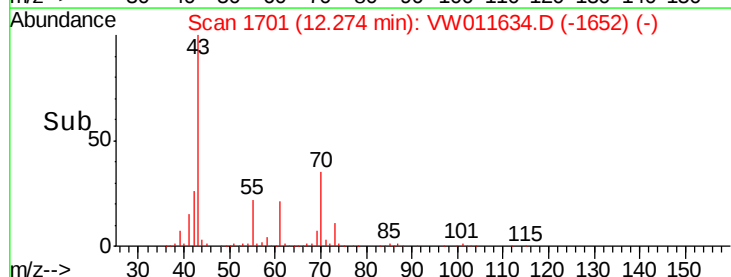
150000

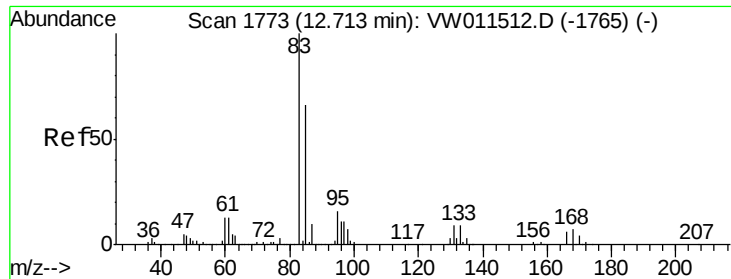
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.784 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

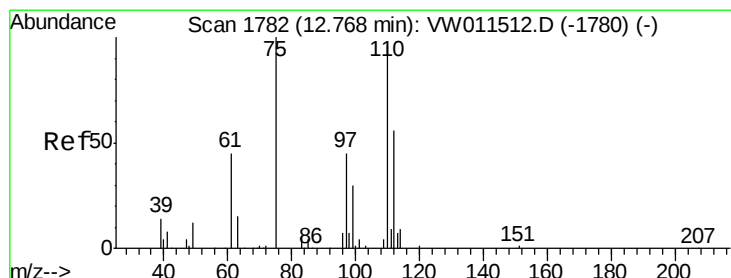
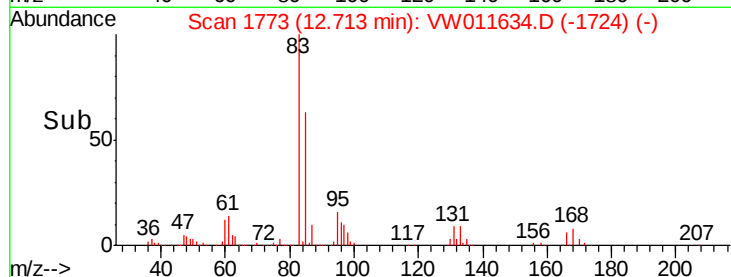
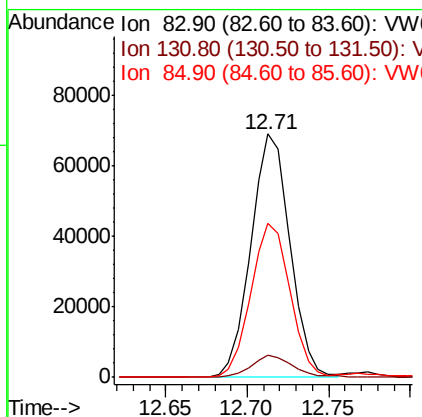
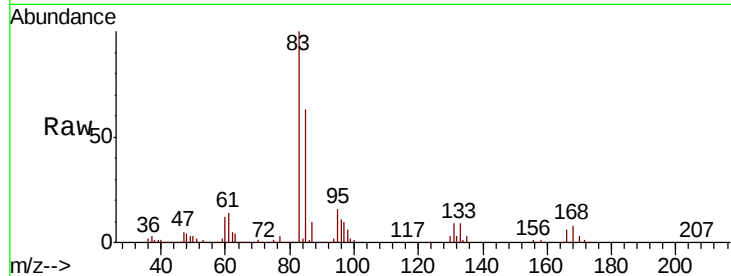
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	114882
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	63.5	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 55.987 ug/l m

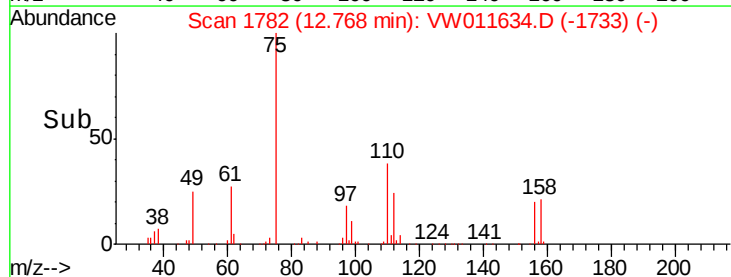
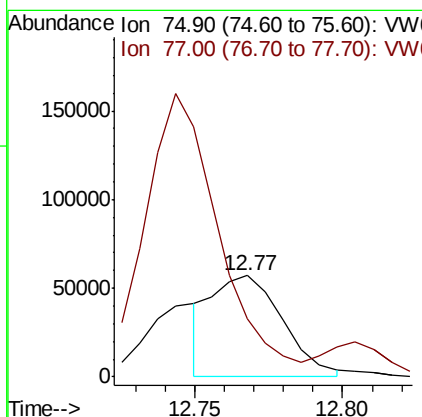
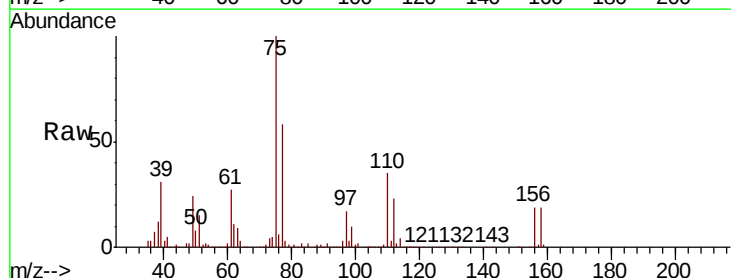
RT: 12.77 min Scan# 1782

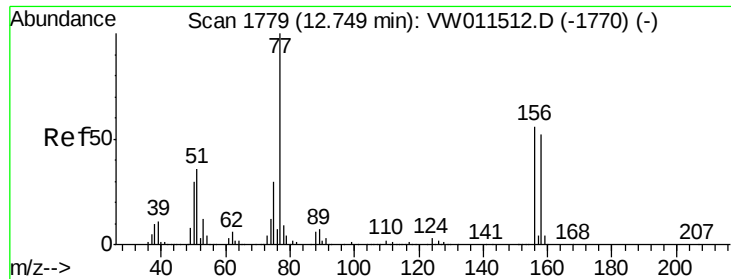
Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Tgt Ion:	75	Resp:	95500
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





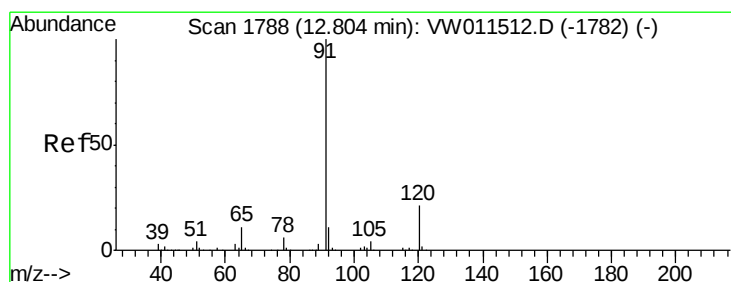
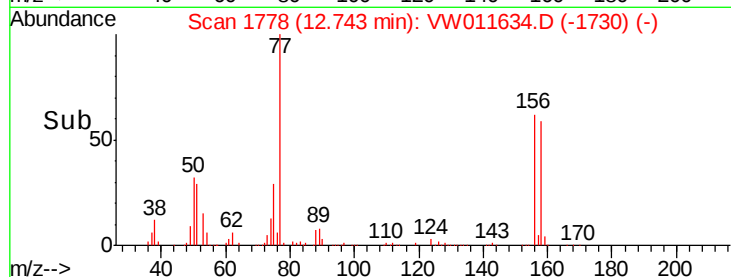
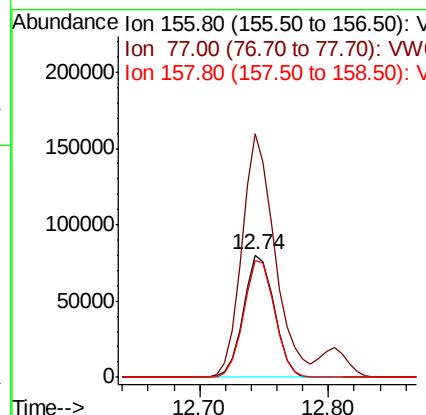
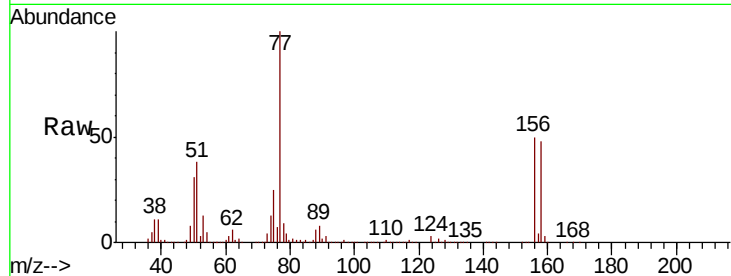
#77
Bromobenzene
Concen: 49.609 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	213.9	106.5	319.4	
158	96.2	48.0	144.2	

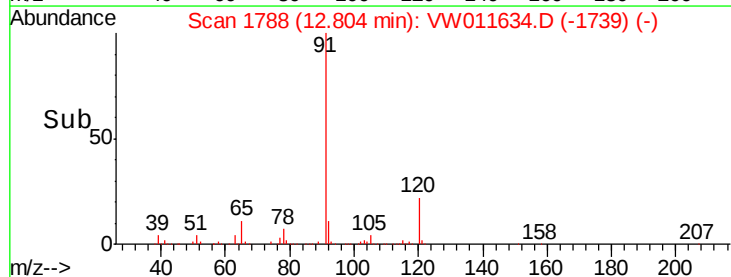
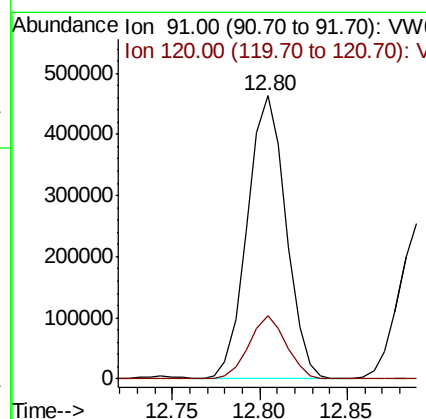
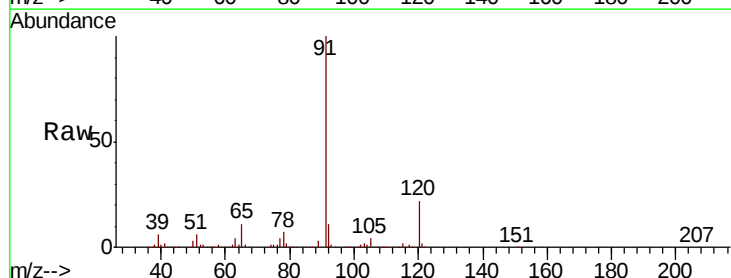
Manual Integrations
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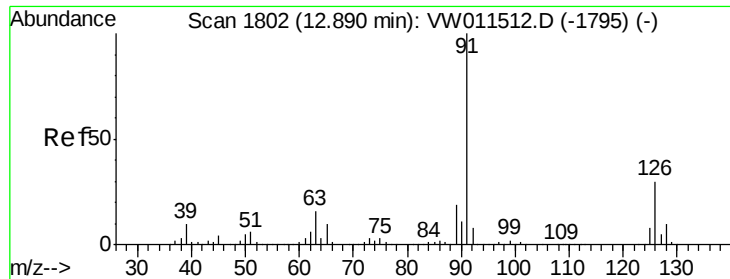
MMDadoda
8/6/2019 9:19:54 AM



#78
n-propylbenzene
Concen: 48.619 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.9	32.7	





#79

2-Chlorotoluene

Concen: 48.376 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 407909

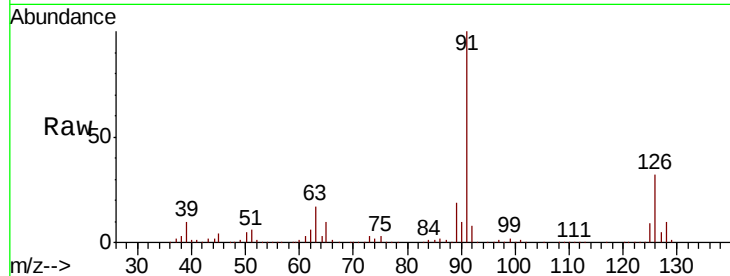
Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1

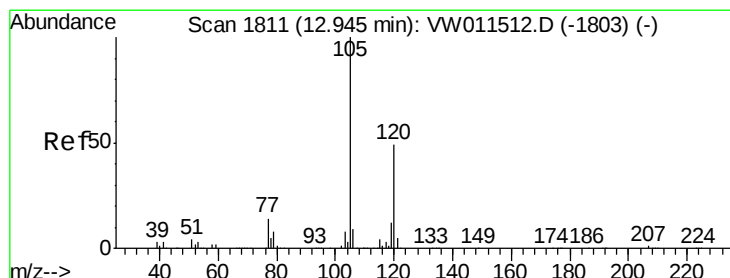
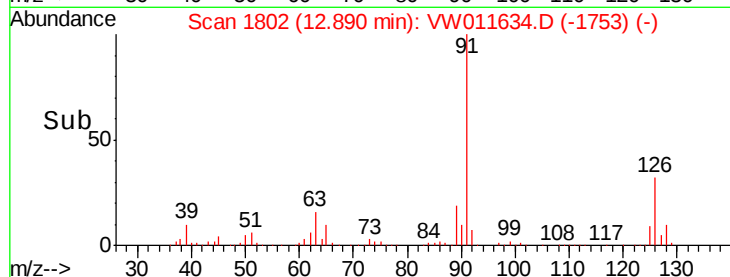
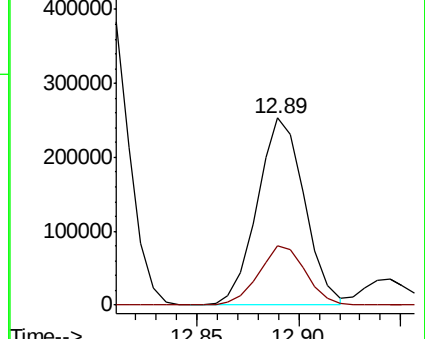
Manual Integrations
APPROVED

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8/6/2019 9:19:54 AM



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: 49.233 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011634.D

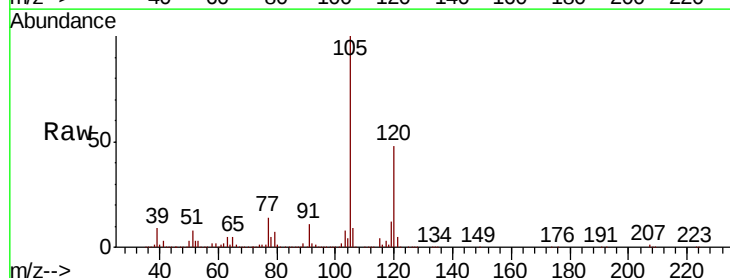
Acq: 02 Aug 2019 21:48

Tgt Ion:105 Resp: 496331

Ion Ratio Lower Upper

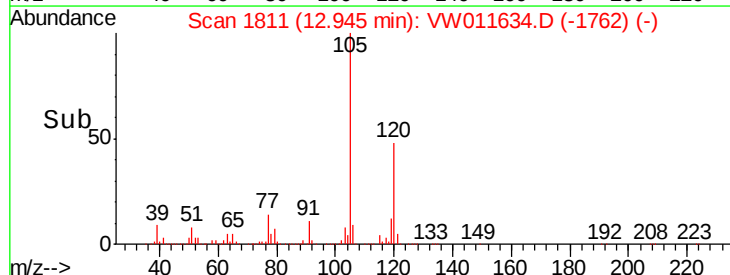
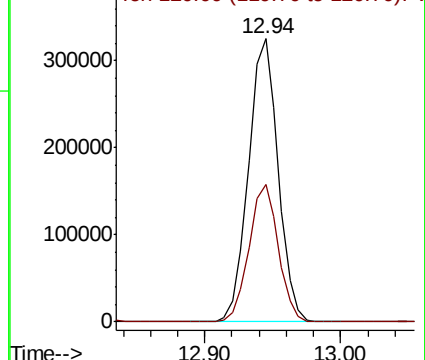
105 100

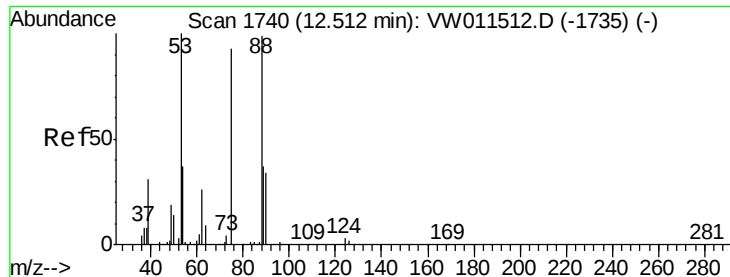
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





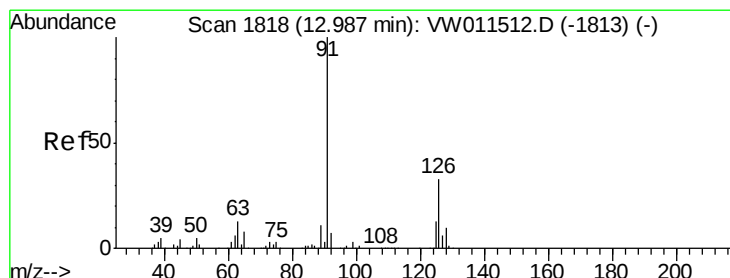
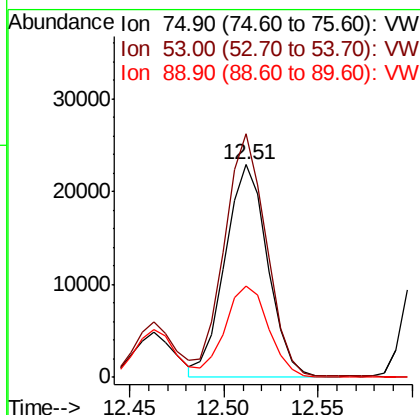
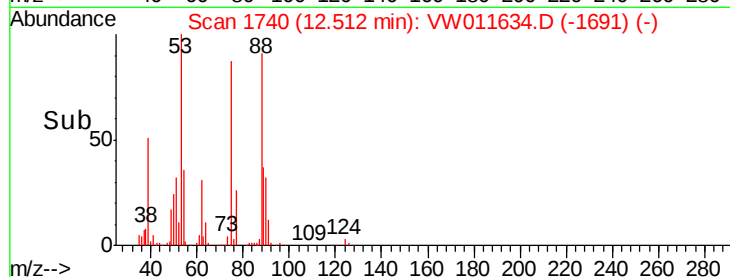
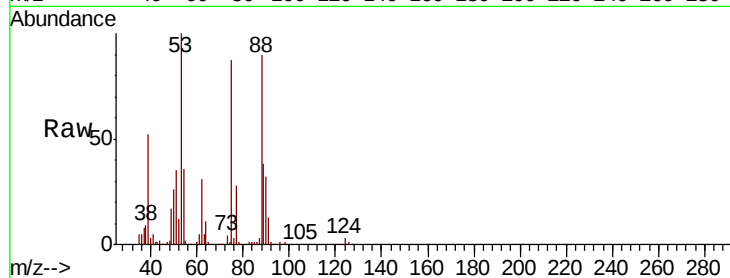
#81
trans-1,4-Dichloro-2-butene
Concen: 48.250 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.6	88.0	132.0
89	43.8	35.3	52.9

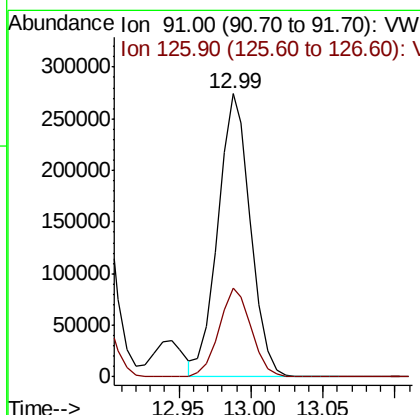
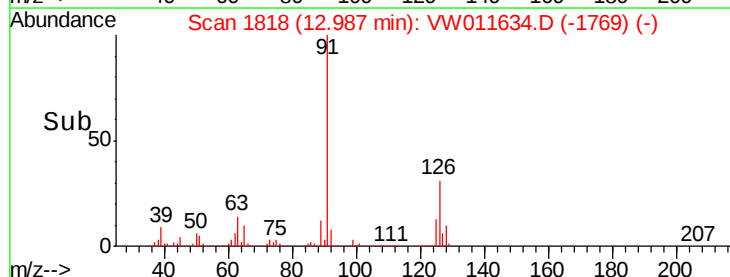
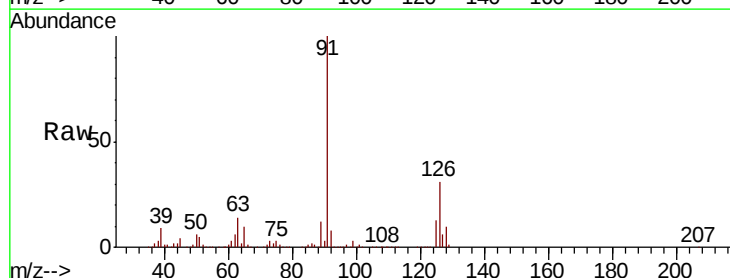
Manual Integrations
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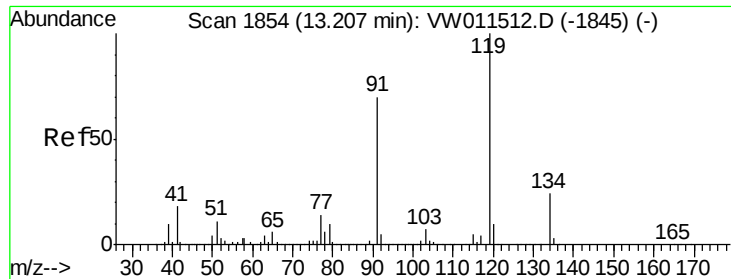
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.783 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





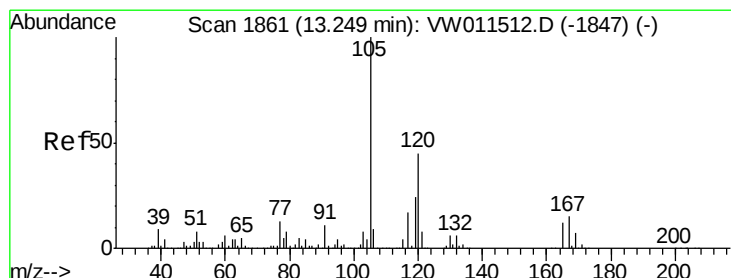
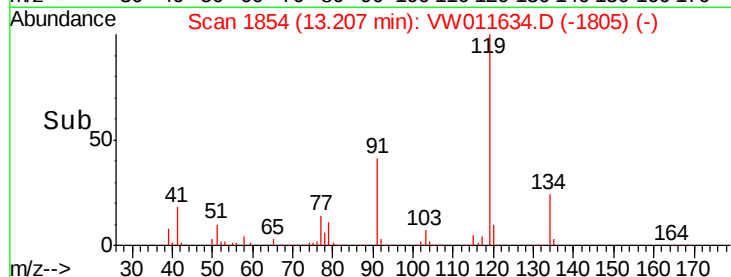
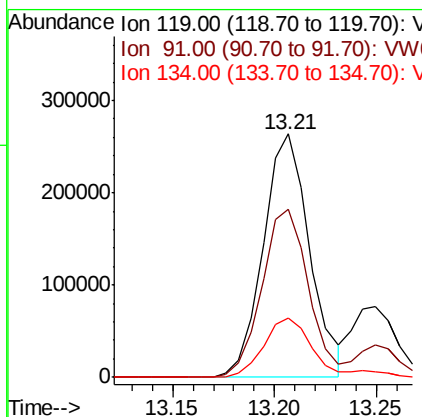
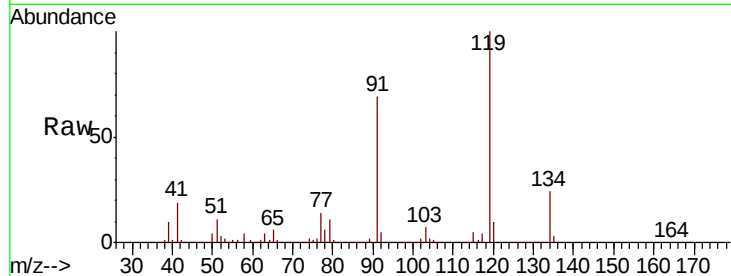
#83
tert-Butylbenzene
Concen: 49.608 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	418216		
91	69.1	34.5	103.6	
134	24.8	12.4	37.4	

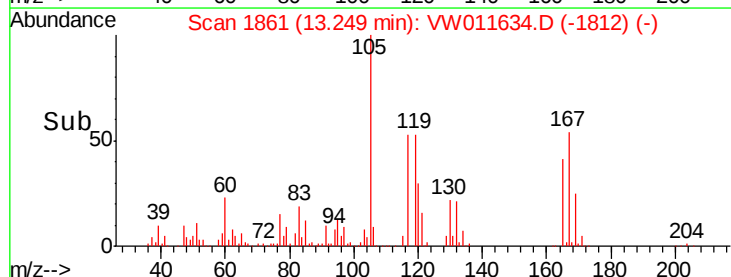
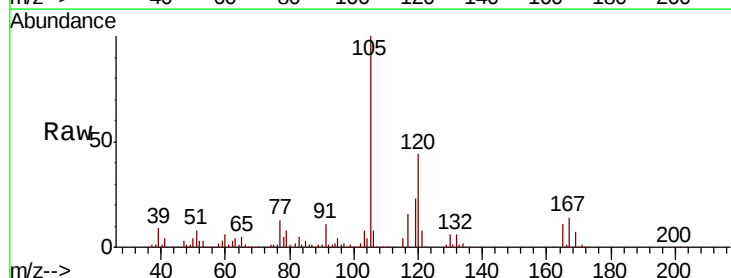
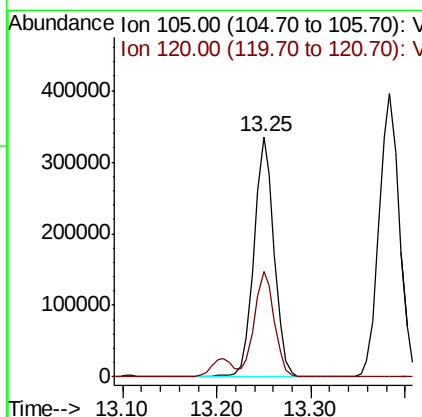
Manual Integrations
APPROVED

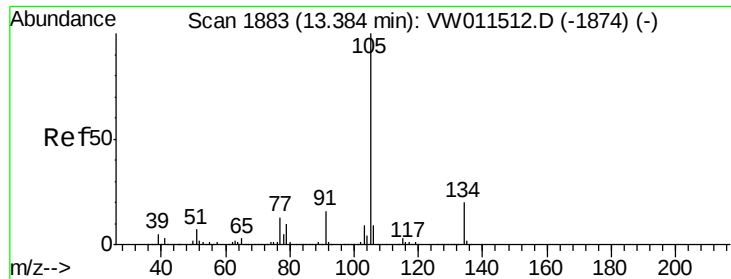
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#84
1,2,4-Trimethylbenzene
Concen: 49.670 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	504415		
120	43.5	22.1	66.5	





#85

sec-Butylbenzene

Concen: 49.151 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 591241

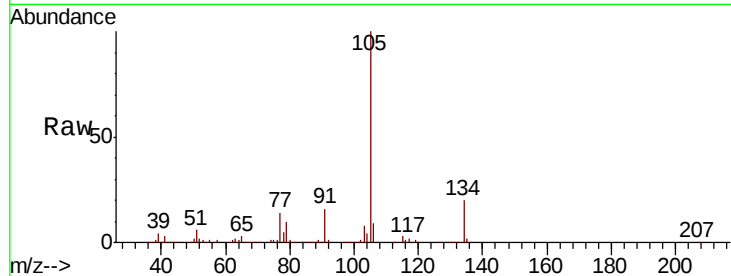
Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1

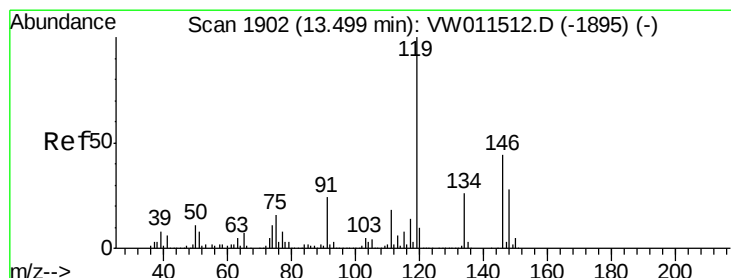
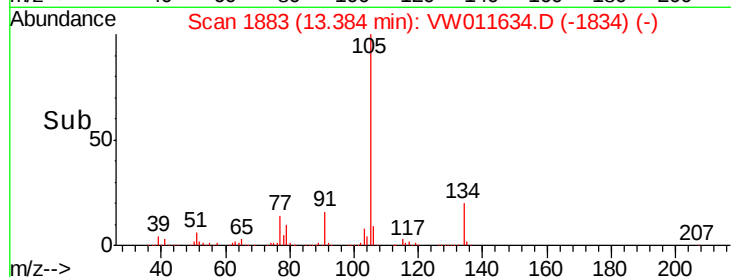
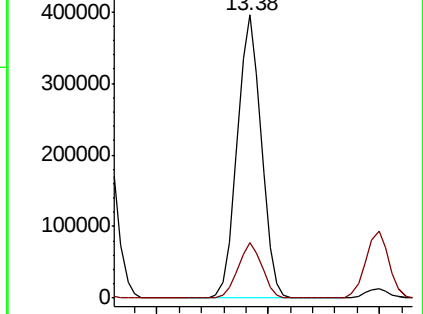
Manual Integrations
APPROVED

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8/6/2019 9:19:54 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.302 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

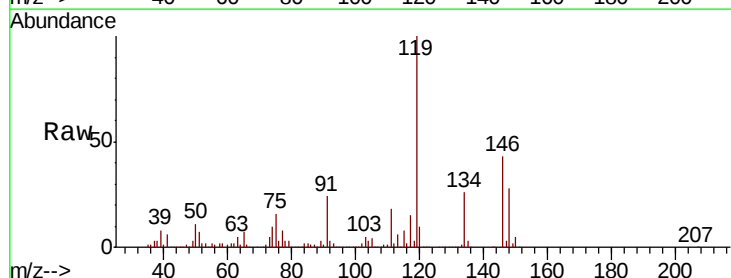
Tgt Ion:119 Resp: 538093

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.4

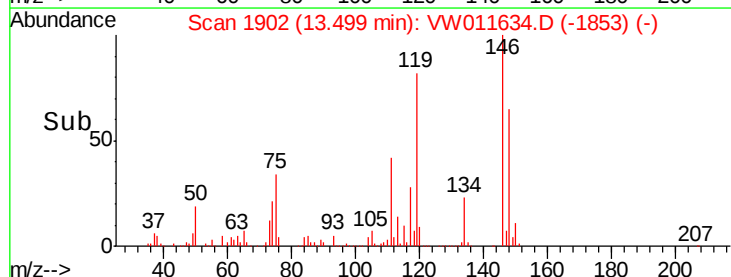
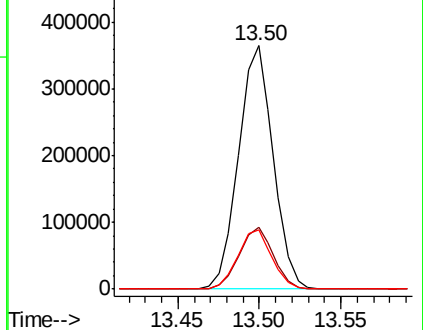
91 24.2 12.1 36.3

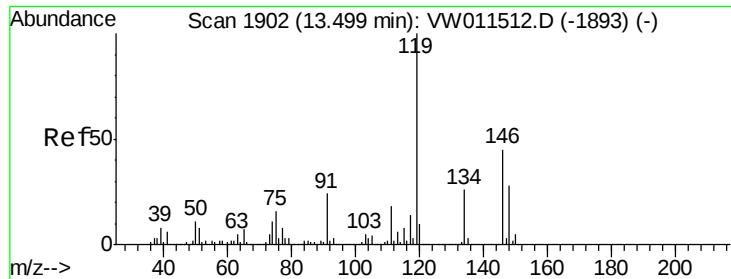


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





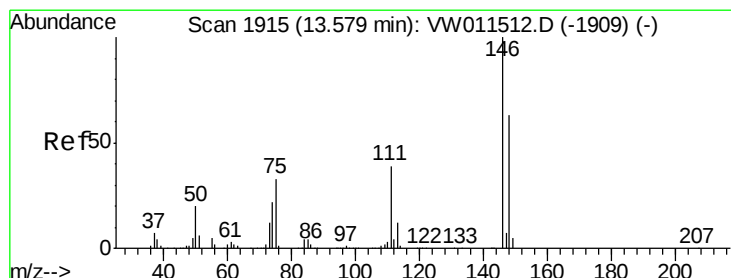
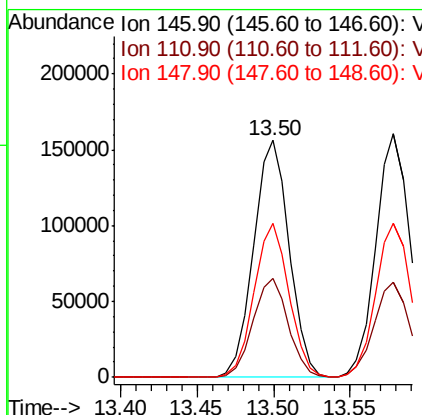
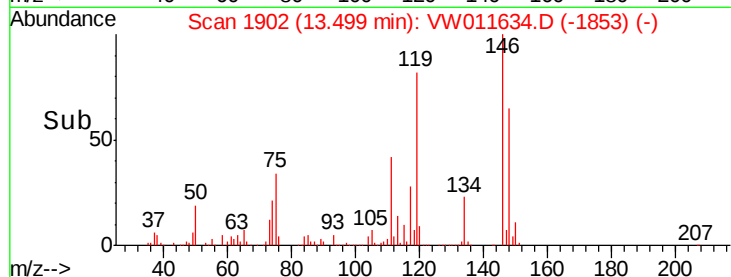
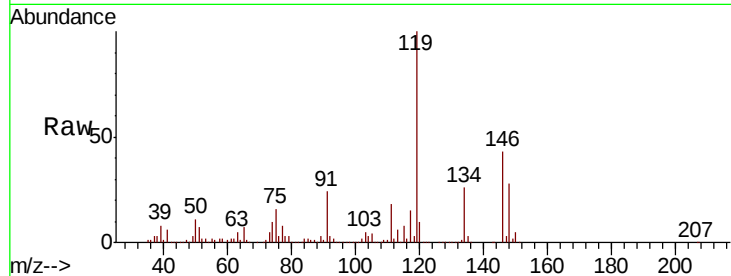
#87
 1,3-Dichlorobenzene
 Concen: 48.489 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	252732		
111	41.4	20.5	61.6	
148	63.6	31.8	95.3	

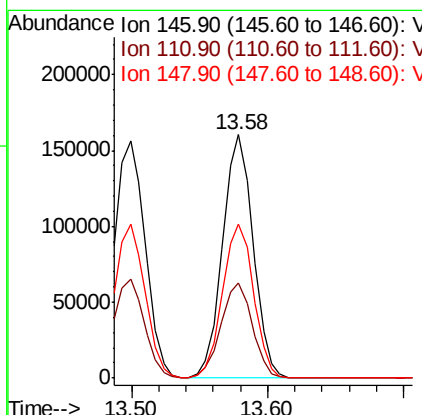
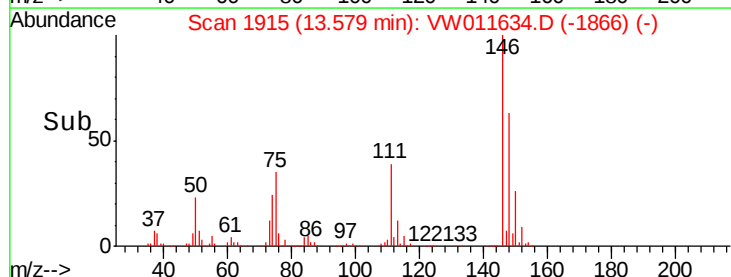
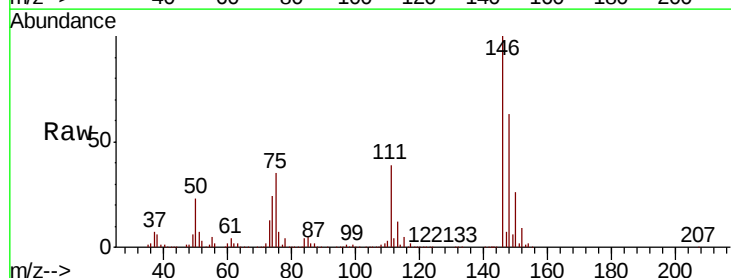
Manual Integrations
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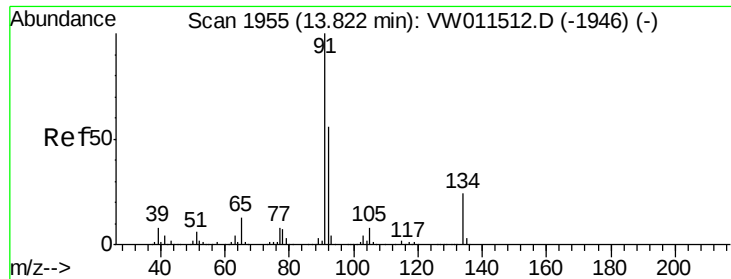
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#88
 1,4-Dichlorobenzene
 Concen: 48.286 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	250357		
111	40.5	20.1	60.2	
148	64.6	31.9	95.9	





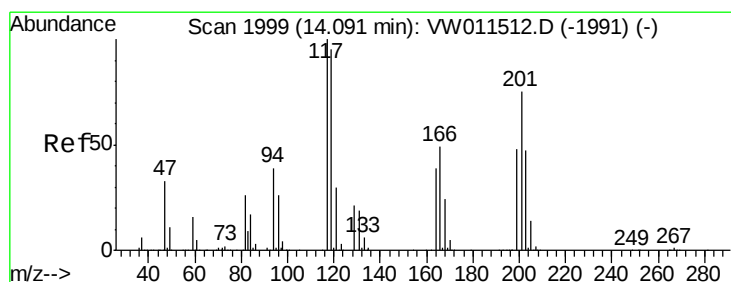
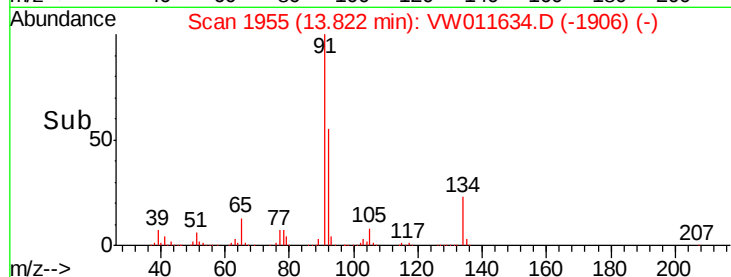
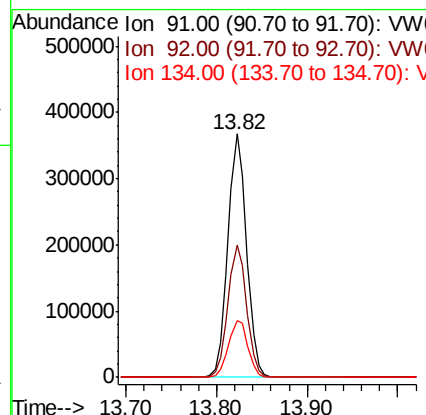
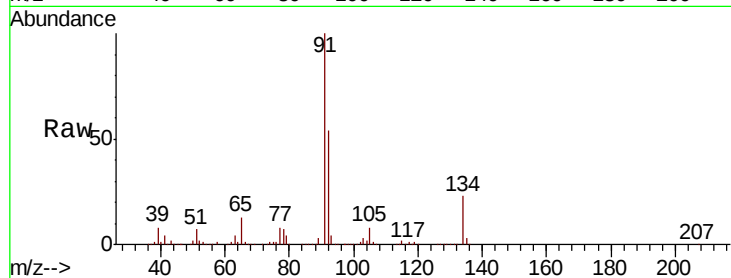
#89
n-Butylbenzene
Concen: 48.197 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	27.5	82.4	
134	24.3	12.2	36.6	

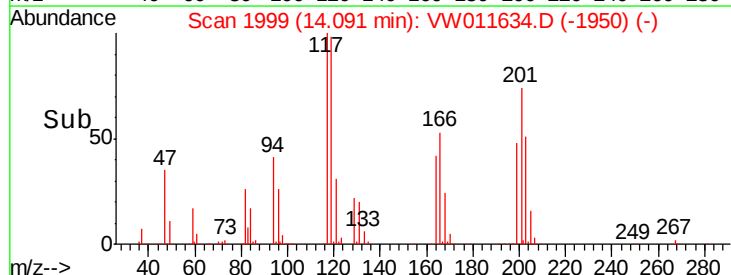
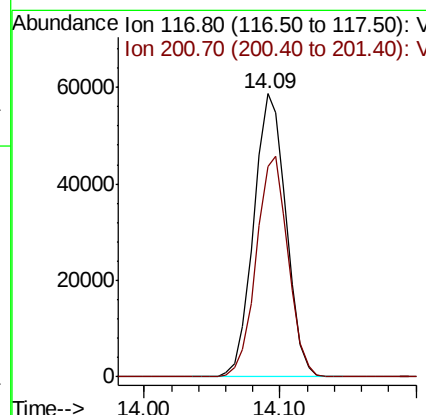
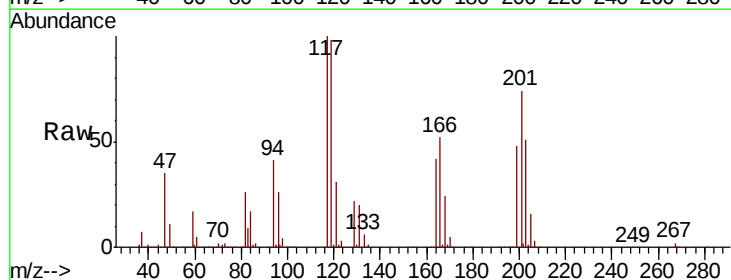
Manual Integrations
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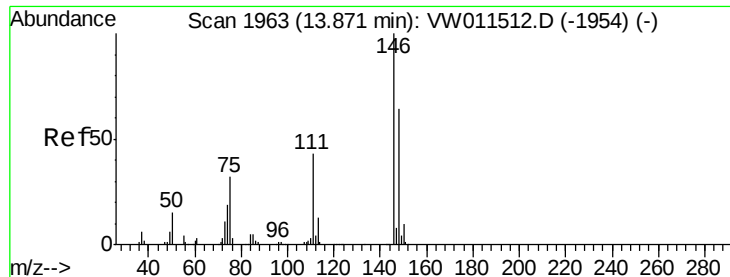
MMDadoda
8/6/2019 9:19:54 AM



#90
Hexachloroethane
Concen: 50.728 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011634.D
Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.7	39.4	118.2	





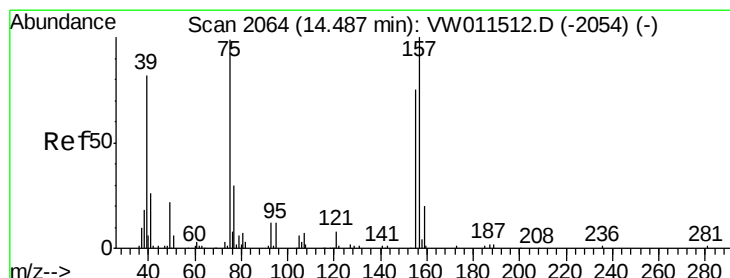
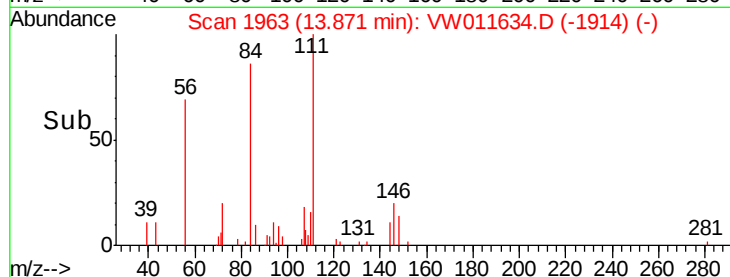
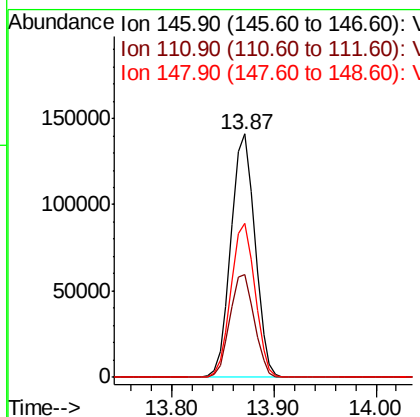
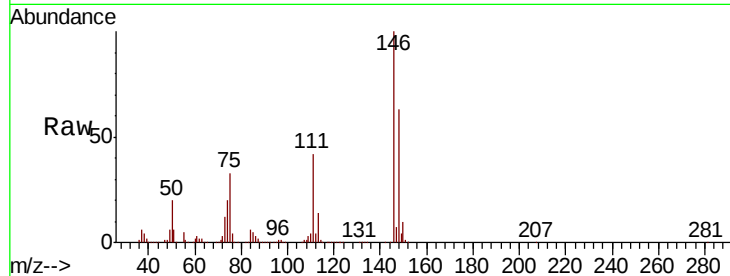
#91
 1,2-Dichlorobenzene
 Concen: 49.618 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	228737		
111	42.9	21.6	65.0	
148	63.5	32.0	96.2	

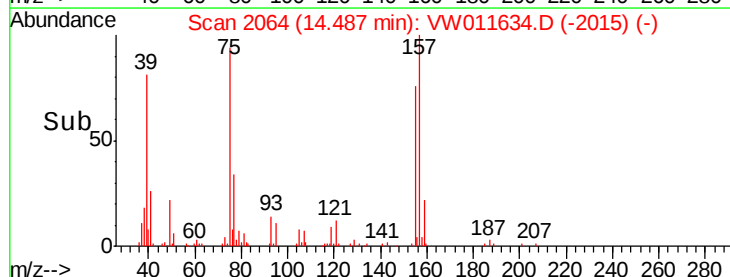
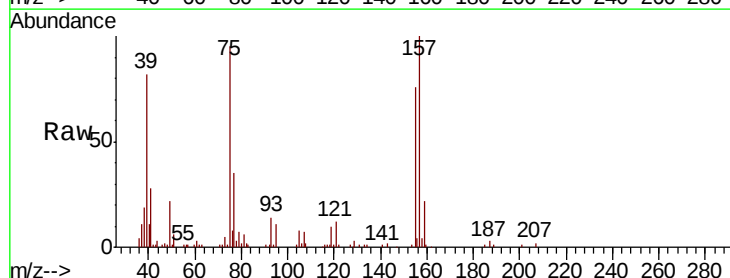
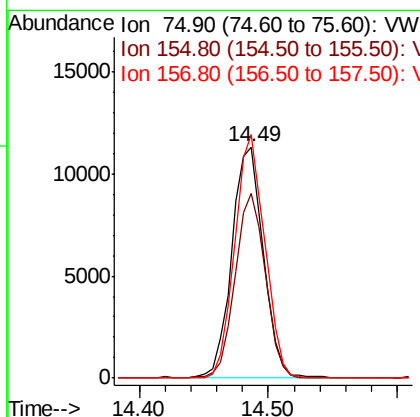
Manual Integrations
 APPROVED

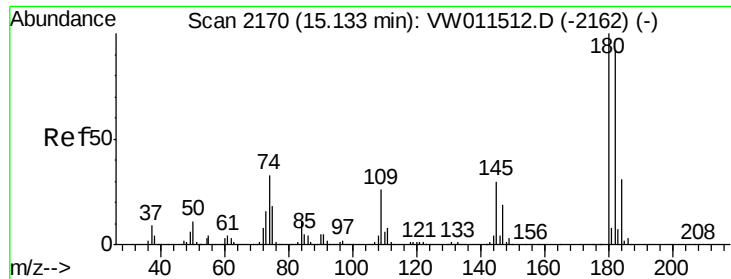
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.127 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19337		
155	76.0	38.2	114.6	
157	99.4	48.9	146.7	





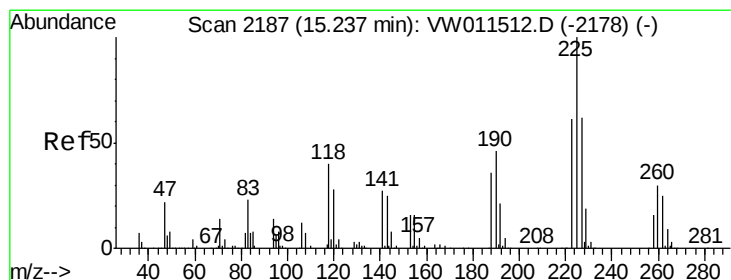
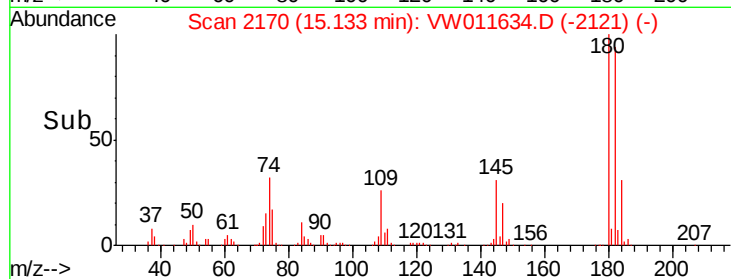
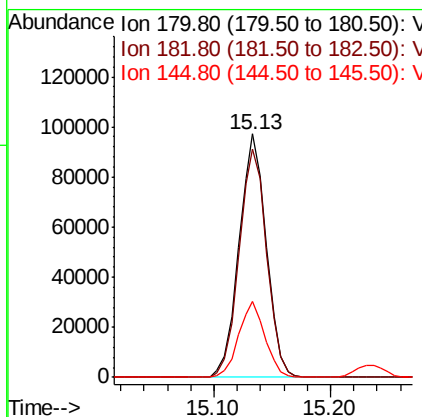
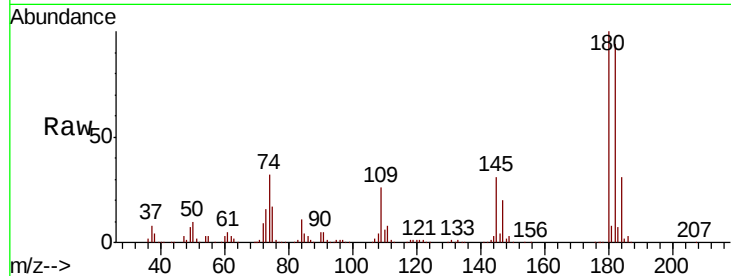
#93
 1,2,4-Trichlorobenzene
 Concen: 48.641 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158033		
182	95.0		47.4	142.2
145	30.2		15.4	46.1

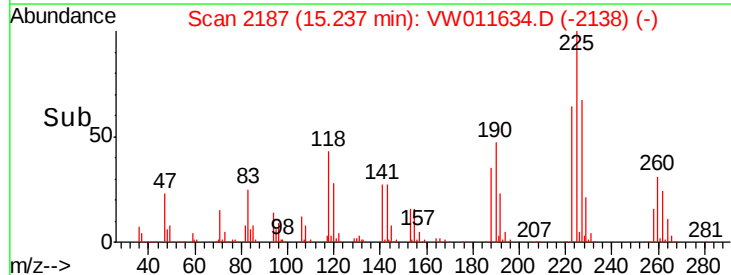
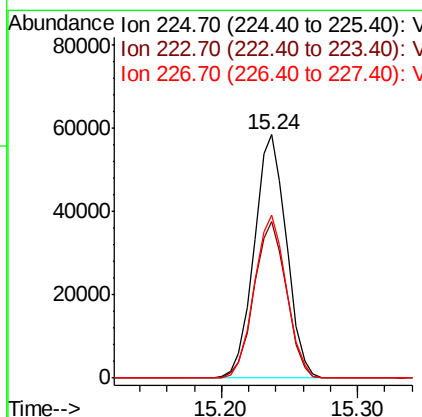
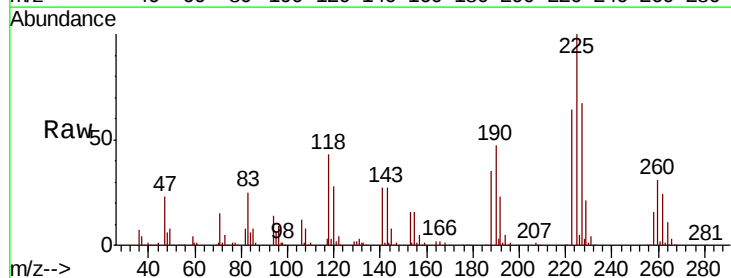
Manual Integrations
 APPROVED

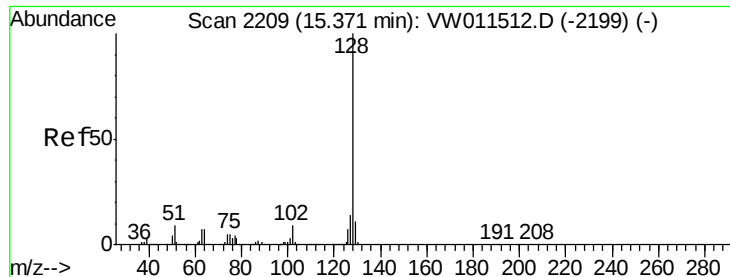
MMDadoda
 8/6/2019 9:19:54 AM



#94
 Hexachlorobutadiene
 Concen: 47.941 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011634.D
 Acq: 02 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97134		
223	64.5		30.8	92.3
227	66.7		31.6	94.7





#95

Naphthalene

Concen: 47.234 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Instrument :

MSVOA_W

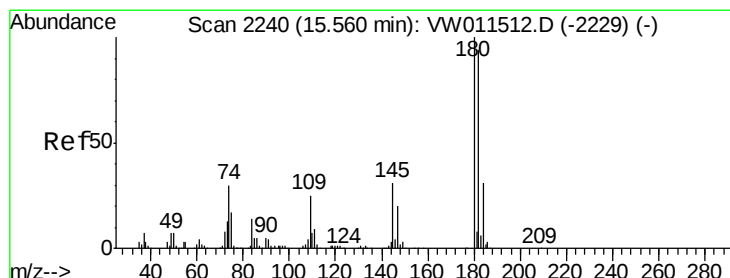
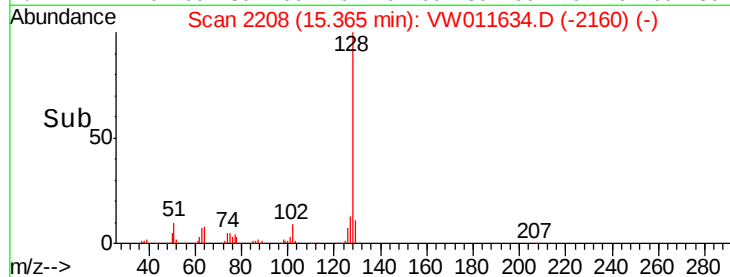
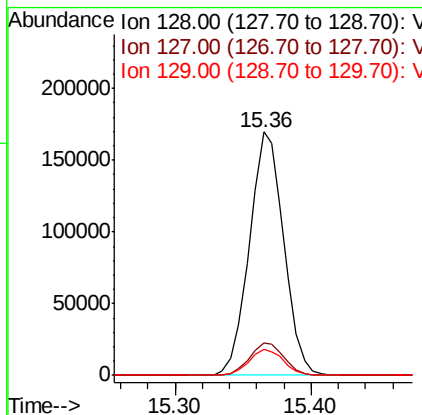
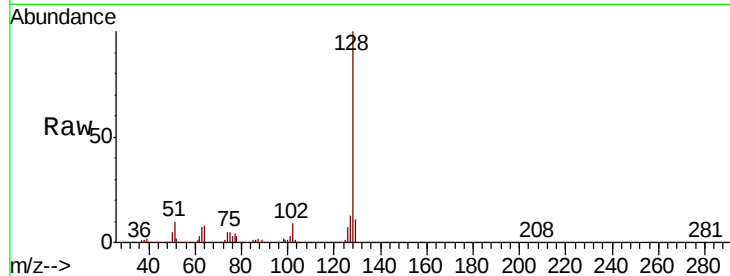
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	299850
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/6/2019 9:19:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.969 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011634.D

Acq: 02 Aug 2019 21:48

Tgt Ion:	180	Resp:	142307
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.4	142.2
145	31.9	15.9	47.7

