

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009255.D
 Acq On : 19 Mar 2019 23:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:12 AM

Quant Time: Mar 20 08:24:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	437295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	158129	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	7.88	113	136162	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.32	98	504736	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.62	95	193072	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	73689	45.385	ug/l	99
3) Chloromethane	2.22	50	97048	48.596	ug/l	97
4) Vinyl Chloride	2.37	62	137533	46.922	ug/l	98
5) Bromomethane	2.78	94	113651	47.546	ug/l	91
6) Chloroethane	2.93	64	112245	49.359	ug/l	97
7) Trichlorofluoromethane	3.26	101	86702	45.155	ug/l	98
8) Diethyl Ether	3.67	74	72748	52.535	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	131330	47.217	ug/l	98
10) Methyl Iodide	4.27	142	199310	49.709	ug/l	97
11) Tert butyl alcohol	5.17	59	49650	291.848	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	122674	46.658	ug/l	96
13) Acrolein	3.89	56	32953	237.310	ug/l	93
14) Allyl chloride	4.66	41	198519	51.217	ug/l	99
15) Acrylonitrile	5.36	53	166663	286.382	ug/l	98
16) Acetone	4.12	43	148213	246.526	ug/l	91
17) Carbon Disulfide	4.38	76	336689	45.935	ug/l	98
18) Methyl Acetate	4.67	43	88216	57.173	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	187544	58.119	ug/l	95
20) Methylene Chloride	4.91	84	136575	54.581	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	135863	50.226	ug/l	93
22) Diisopropyl ether	6.31	45	460545	55.114	ug/l	97
23) Vinyl Acetate	6.25	43	1452412	277.020	ug/l	99
24) 1,1-Dichloroethane	6.21	63	262662	50.933	ug/l	99
25) 2-Butanone	7.17	43	237933	276.197	ug/l	100
26) 2,2-Dichloropropane	7.16	77	133994	46.502	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	154918	52.864	ug/l	99
28) Bromochloromethane	7.51	49	120612	53.321	ug/l #	14
29) Tetrahydrofuran	7.52	42	157810	288.203	ug/l	99
30) Chloroform	7.67	83	276325	51.498	ug/l	99
31) Cyclohexane	7.95	56	215601	44.843	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	209405	48.892	ug/l	98
36) 1,1-Dichloropropene	8.07	75	201421	46.287	ug/l	99
37) Ethyl Acetate	7.25	43	108089	54.435	ug/l	99
38) Carbon Tetrachloride	8.06	117	207342	45.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	235644	46.805	ug/l	99
40) Benzene	8.32	78	580005	49.152	ug/l	100
41) Methacrylonitrile	7.48	41	63249	59.100	ug/l	93
42) 1,2-Dichloroethane	8.40	62	197699	51.252	ug/l	100
43) Isopropyl Acetate	8.42	43	212603	53.470	ug/l	100
44) Trichloroethene	9.09	130	150694	46.616	ug/l	100
45) 1,2-Dichloropropane	9.37	63	149515	49.842	ug/l	99
46) Dibromomethane	9.46	93	83234	50.458	ug/l	100
47) Bromodichloromethane	9.64	83	210165	50.418	ug/l	96
48) Methyl methacrylate	9.43	41	102516	55.689	ug/l	99
49) 1,4-Dioxane	9.44	88	28614	1118.350	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	567759	273.990	ug/l	100
52) Toluene	10.38	92	372951	49.879	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	209957	51.651	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	232449	50.830	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	114979	51.476	ug/l	96
56) Ethyl methacrylate	10.65	69	147250	55.363	ug/l	95
57) 1,3-Dichloropropane	10.93	76	200679	52.090	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	383233	492.442	ug/l	99
59) 2-Hexanone	10.97	43	392859	279.256	ug/l	99
60) Dibromochloromethane	11.13	129	141987	51.451	ug/l	98
61) 1,2-Dibromoethane	11.23	107	110938	52.147	ug/l	100
64) Tetrachloroethene	10.86	164	134142	47.964	ug/l	96
65) Chlorobenzene	11.66	112	414949	49.132	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	155467	49.282	ug/l	99
67) Ethyl Benzene	11.73	91	732387	50.067	ug/l	100
68) m/p-Xylenes	11.84	106	563383	99.363	ug/l	100
69) o-Xylene	12.16	106	269524	51.190	ug/l	100
70) Styrene	12.18	104	451363	51.993	ug/l	100
71) Bromoform	12.35	173	87623	50.852	ug/l #	99
73) Isopropylbenzene	12.46	105	751991	50.266	ug/l	100
74) N-amyl acetate	12.27	43	209060	53.572	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	143754	51.369	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	101877m	48.435	ug/l	
77) Bromobenzene	12.75	156	177035	49.959	ug/l	99
78) n-propylbenzene	12.80	91	908687	49.456	ug/l	99
79) 2-Chlorotoluene	12.89	91	523081	50.115	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	641806	50.447	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	43573	50.831	ug/l	96
82) 4-Chlorotoluene	12.99	91	552467	50.243	ug/l	100
83) tert-Butylbenzene	13.21	119	554680	51.018	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	667110	51.147	ug/l	98
85) sec-Butylbenzene	13.38	105	805378	50.129	ug/l	100
86) p-Isopropyltoluene	13.50	119	718980	50.255	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	359613	49.040	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	356432	48.817	ug/l	99
89) n-Butylbenzene	13.83	91	681042	49.591	ug/l	99
90) Hexachloroethane	14.10	117	140542	49.825	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	330474	50.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27065	54.012	ug/l	95

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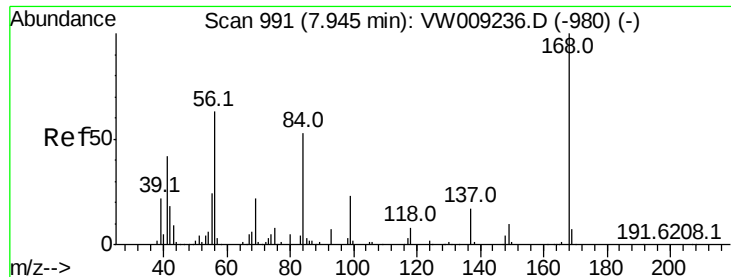
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	224163	50.760	ug/l	100
94) Hexachlorobutadiene	15.24	225	131812	46.930	ug/l	99
95) Naphthalene	15.37	128	434554	56.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	203307	51.575	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: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 275493

Ion Ratio Lower Upper

168 100

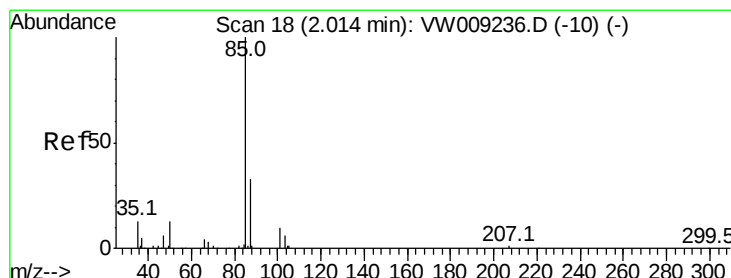
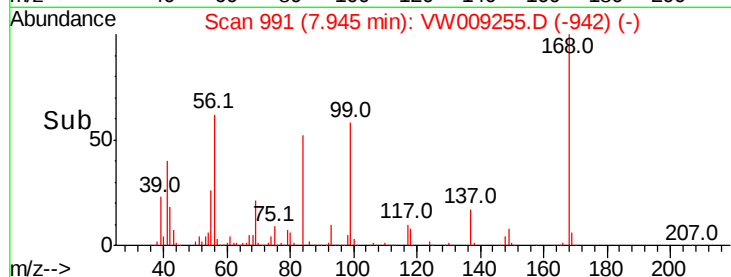
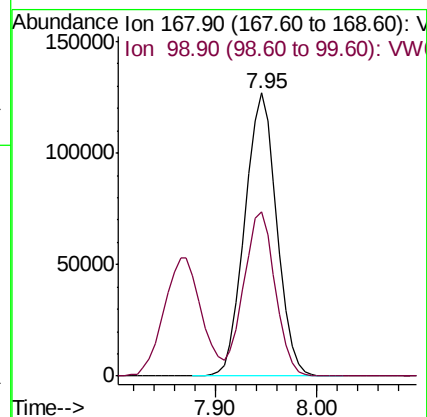
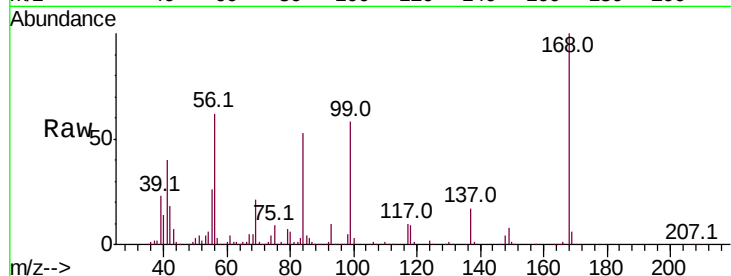
99 58.2 45.4 68.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.385 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009255.D

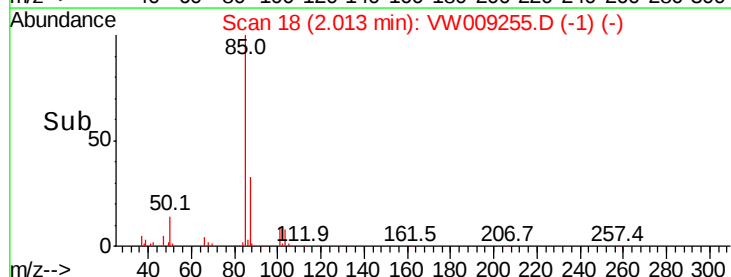
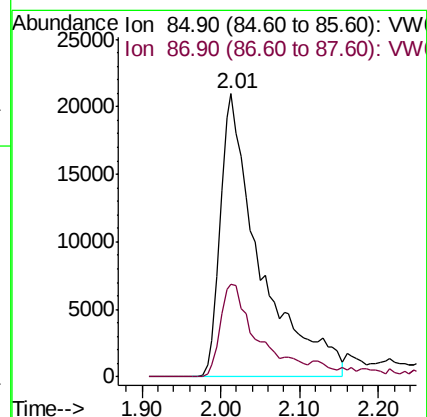
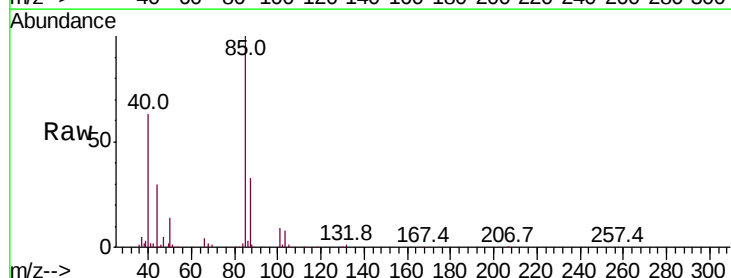
Acq: 19 Mar 2019 23:16

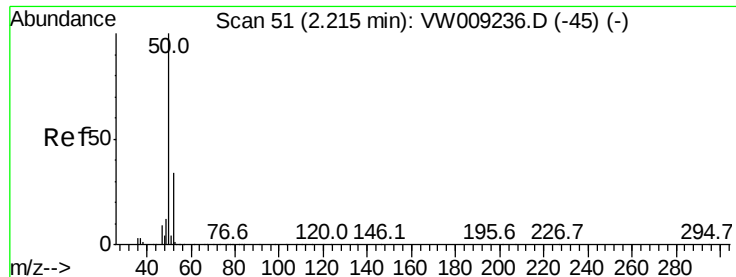
Tgt Ion: 85 Resp: 73689

Ion Ratio Lower Upper

85 100

87 32.8 16.7 50.1





#3

Chloromethane

Concen: 48.596 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 97048

Ion Ratio Lower Upper

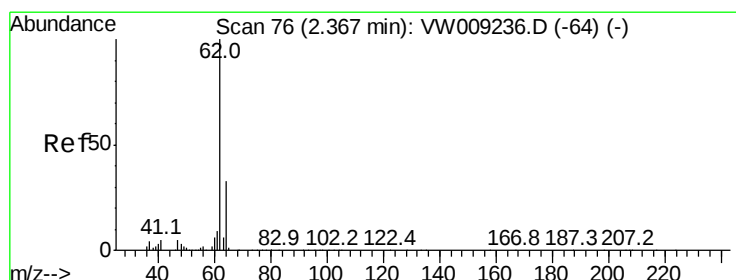
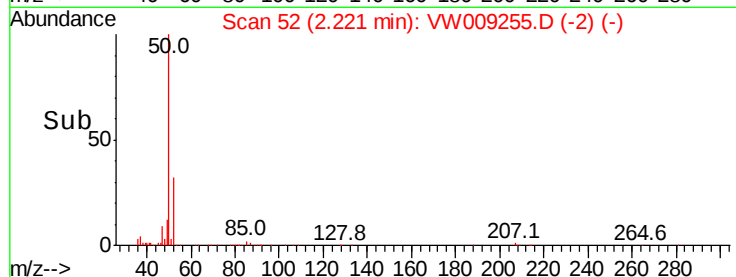
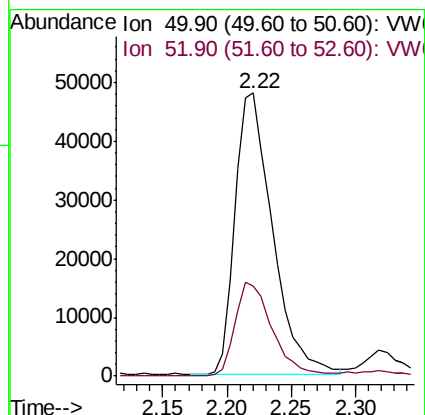
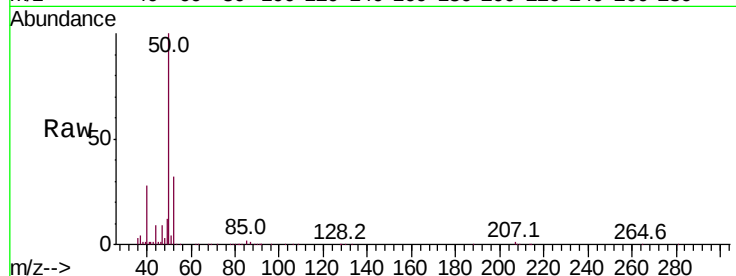
50 100

52 32.1 27.2 40.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.922 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009255.D

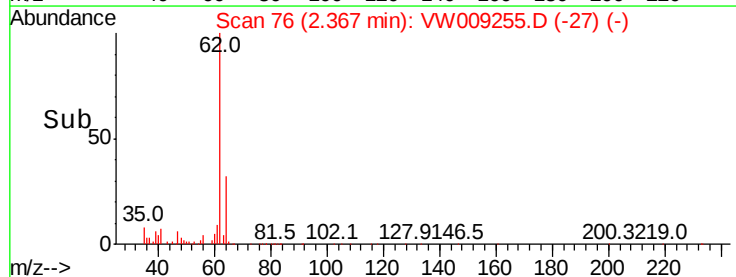
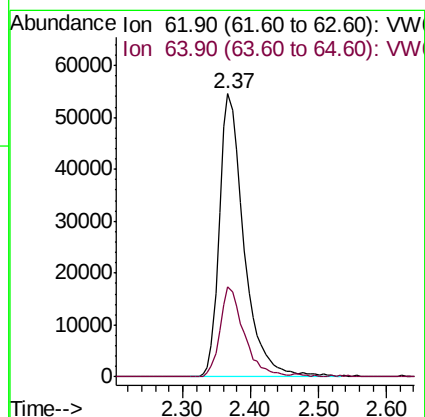
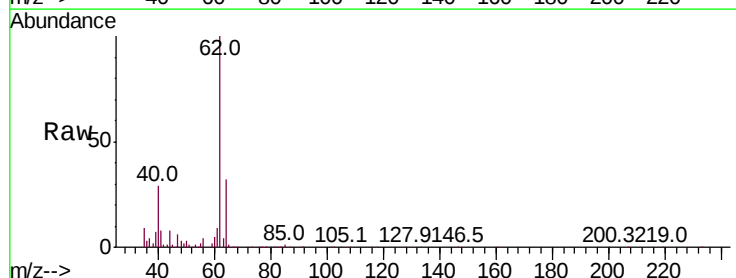
Acq: 19 Mar 2019 23:16

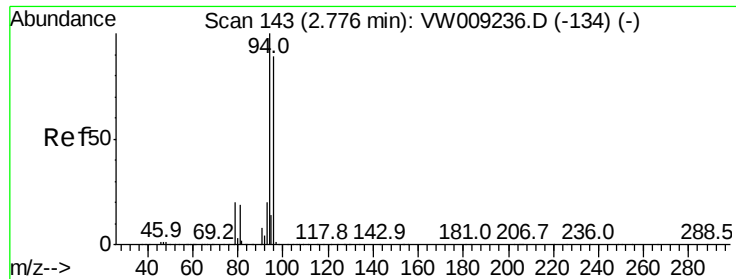
Tgt Ion: 62 Resp: 137533

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 47.546 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 113651

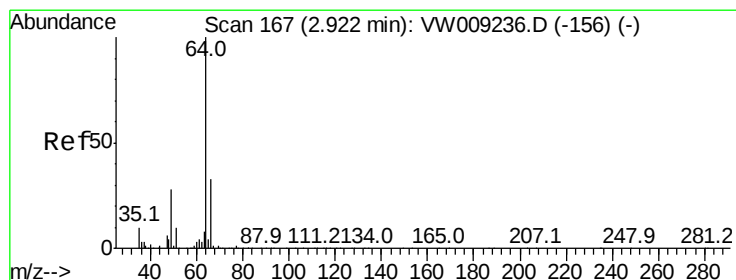
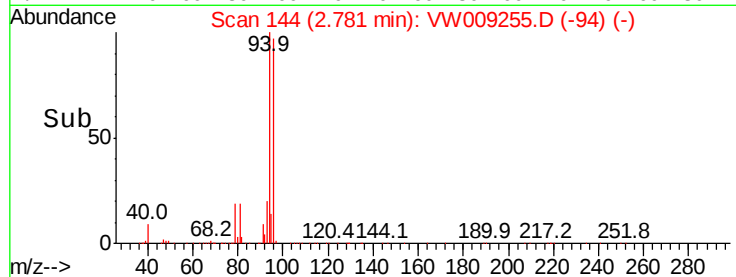
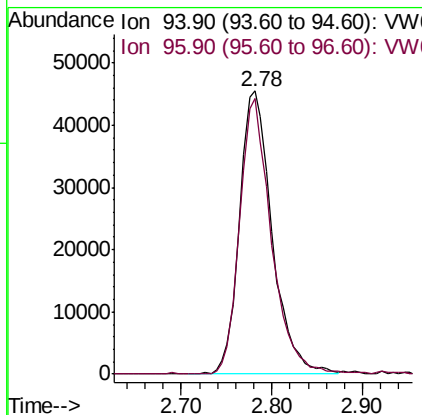
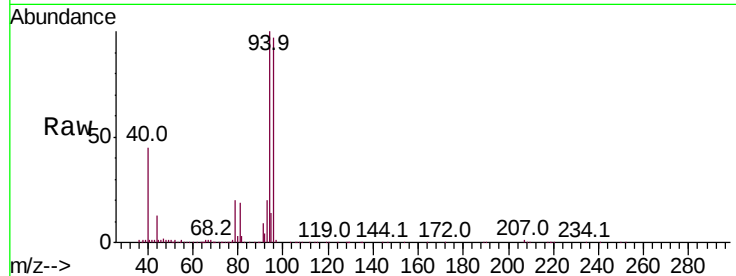
Ion Ratio Lower Upper

94 100

96 97.4 71.4 107.2

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#6

Chloroethane

Concen: 49.359 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009255.D

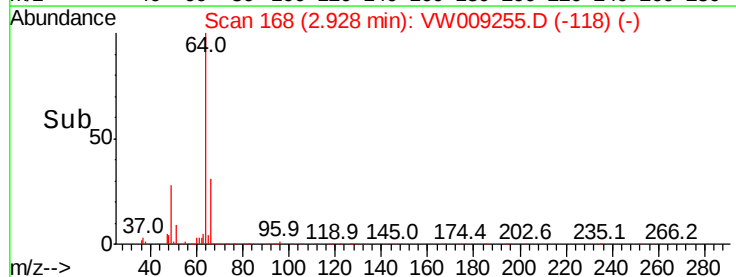
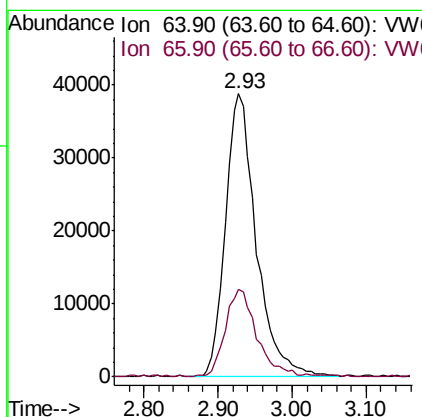
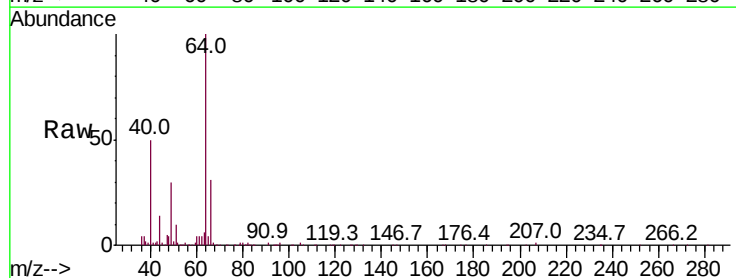
Acq: 19 Mar 2019 23:16

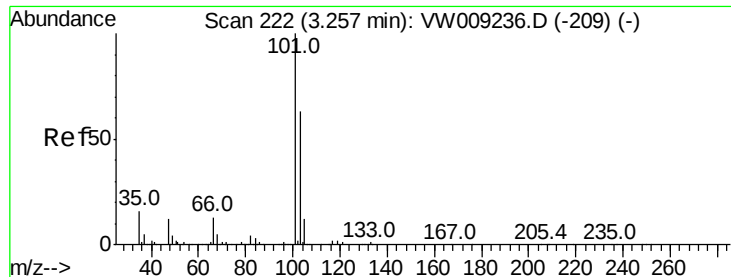
Tgt Ion: 64 Resp: 112245

Ion Ratio Lower Upper

64 100

66 30.9 26.2 39.2





#7

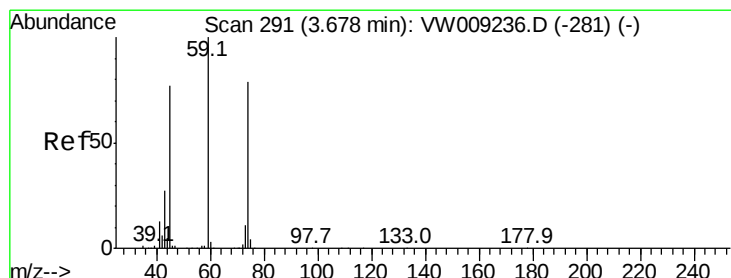
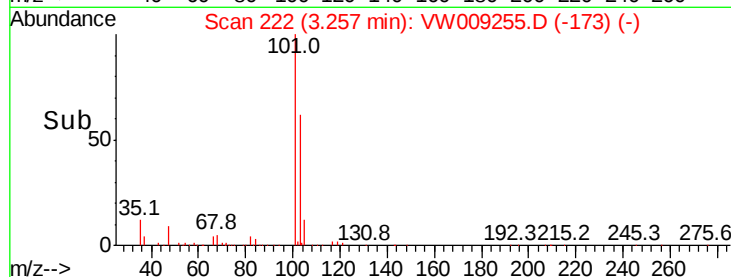
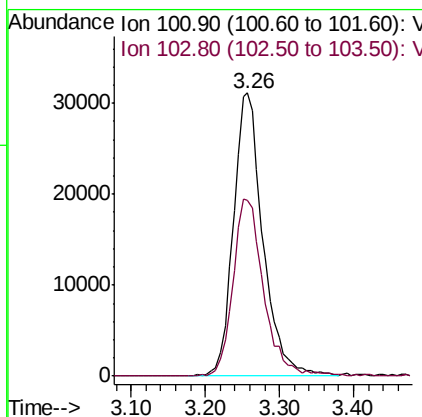
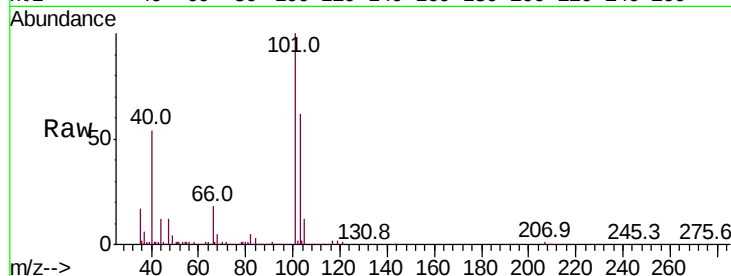
Trichlorofluoromethane
 Concen: 45.155 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.5	75.7

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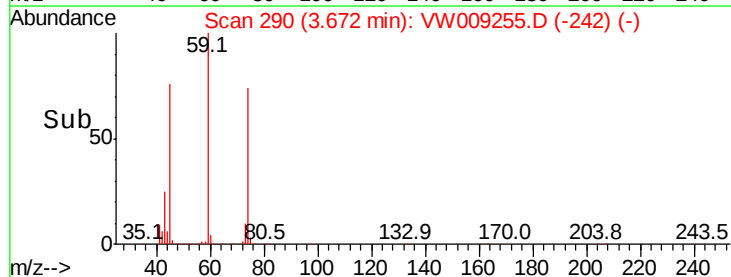
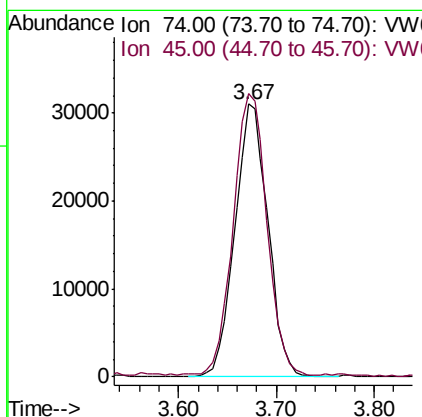
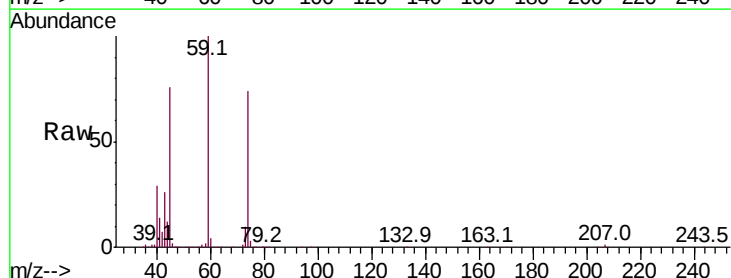
MMDadoda
 3/22/2019 3:53:12 AM

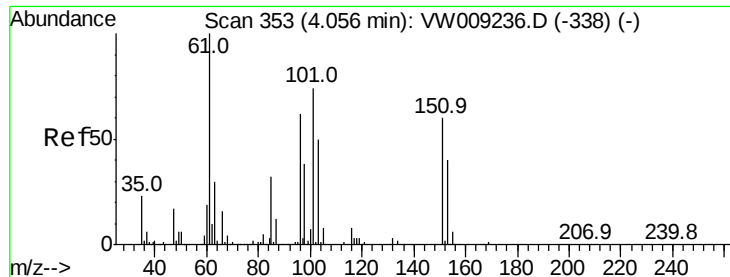


#8

Diethyl Ether
 Concen: 52.535 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.6	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.217 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

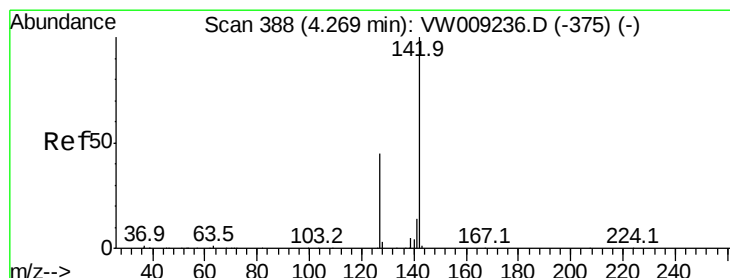
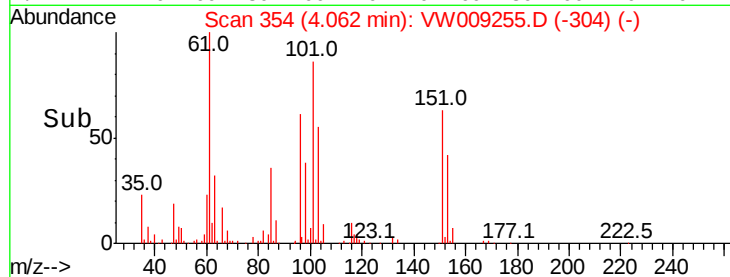
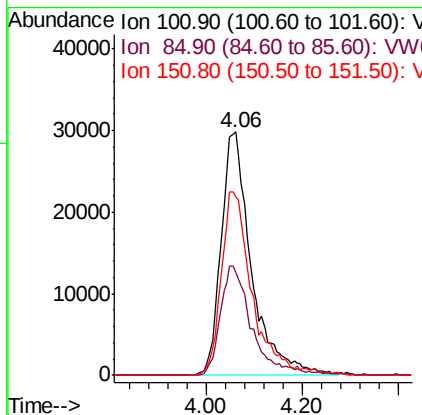
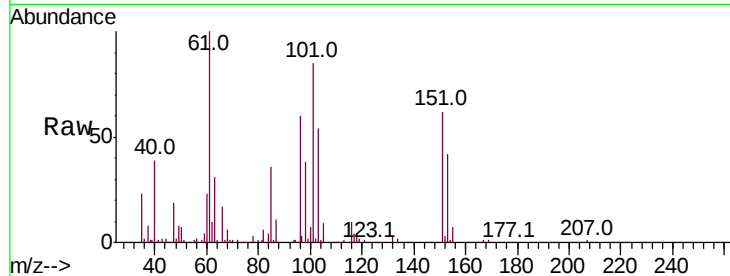
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	131330
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.1	52.7
151	76.5	62.9	94.3

Manual Integrations
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#10

Methyl Iodide

Concen: 49.709 ug/l

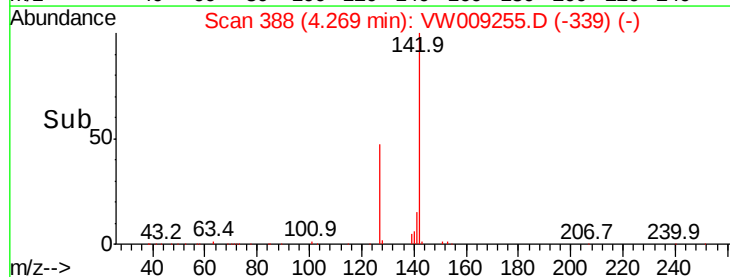
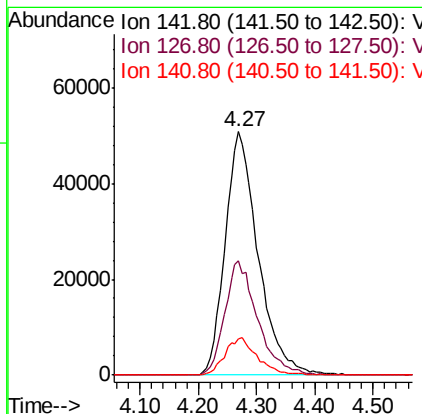
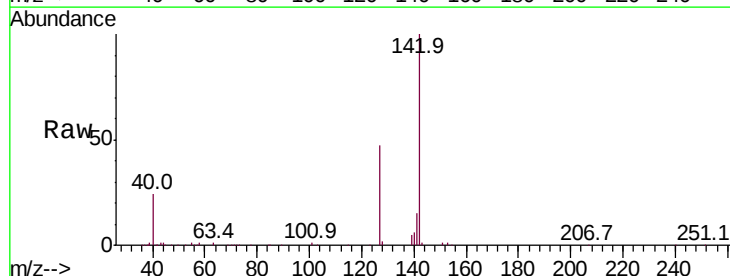
RT: 4.27 min Scan# 388

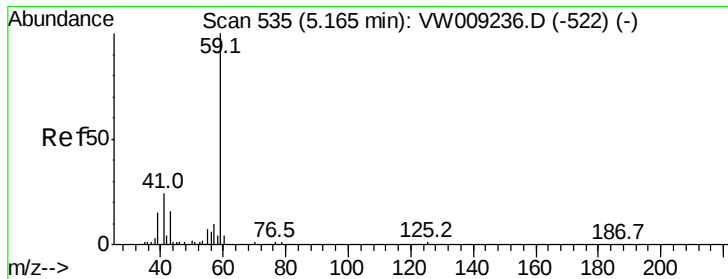
Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion:	142	Resp:	199310
Ion Ratio	Lower	Upper	
142	100		
127	46.7	35.9	53.9
141	15.2	11.4	17.2





#11

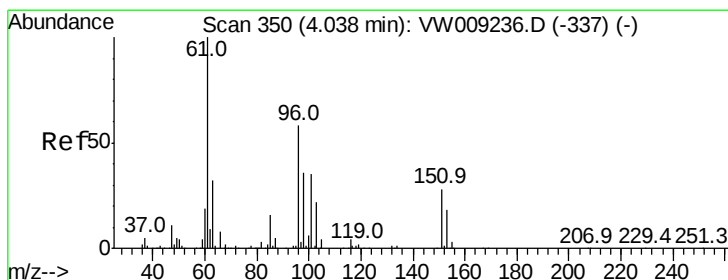
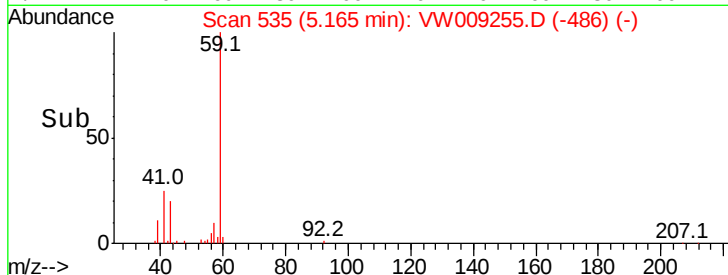
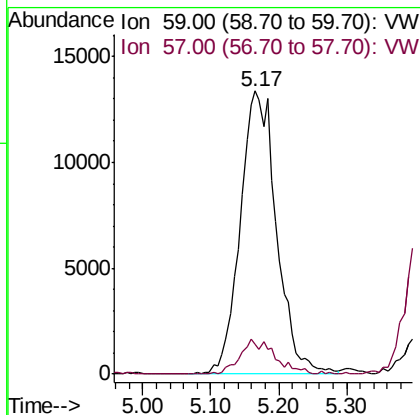
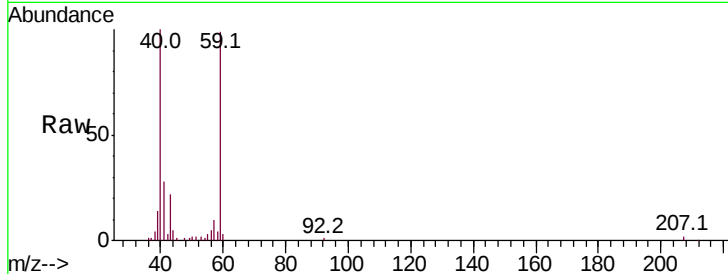
Tert butyl alcohol
Concen: 291.848 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	49650		
57	6.4		9.4	14.0#

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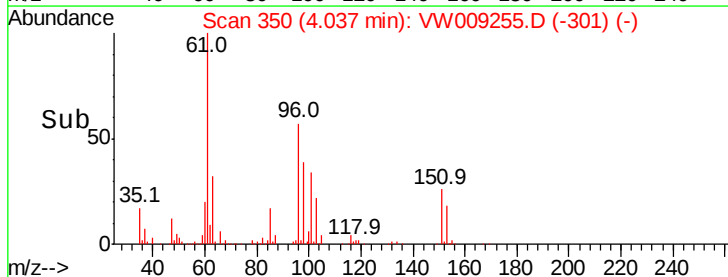
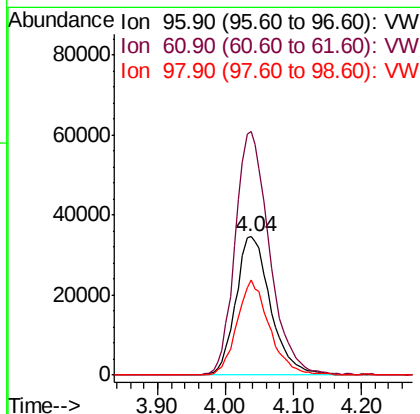
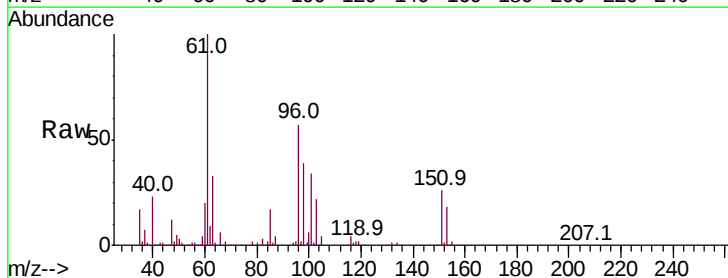
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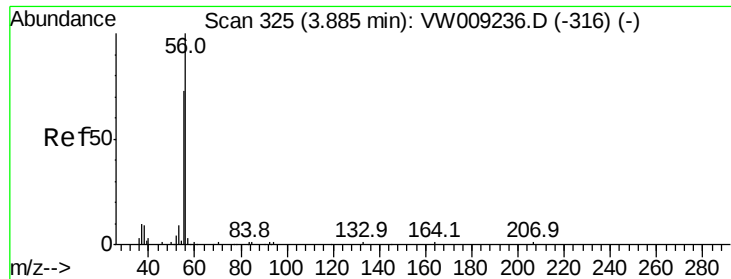


#12

1,1-Dichloroethene
Concen: 46.658 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	122674		
61	176.3		138.0	207.0
98	68.6		49.8	74.8





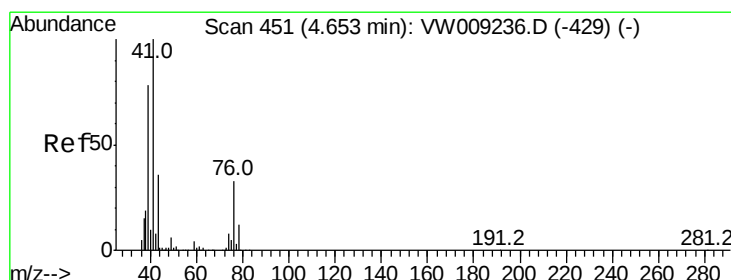
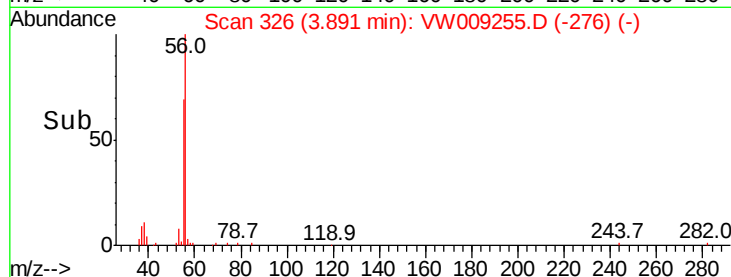
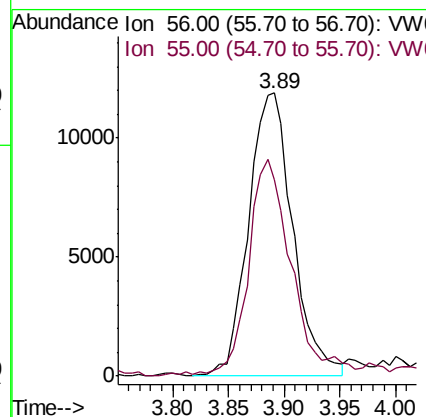
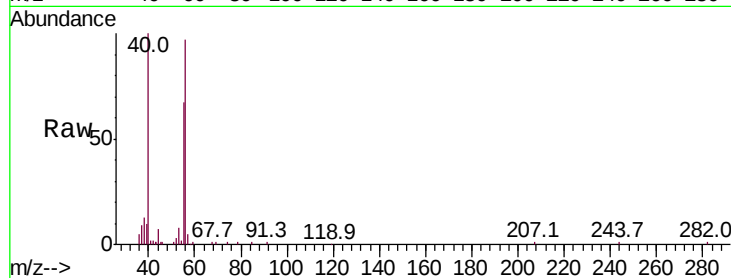
#13
Acrolein
Concen: 237.310 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	32953
Ion Ratio	100	Lower	Upper
55	74.8	55.2	82.8

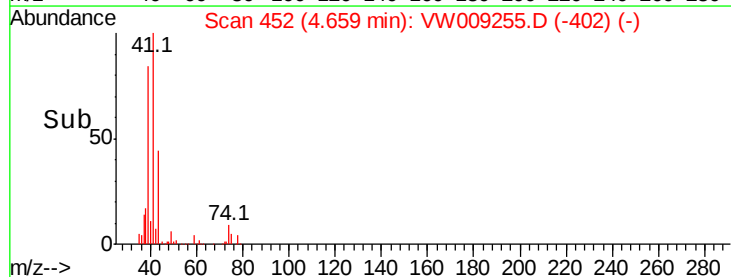
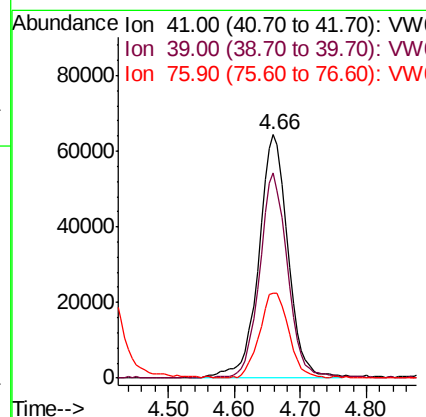
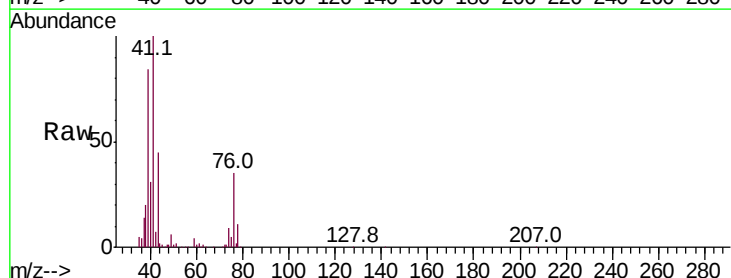
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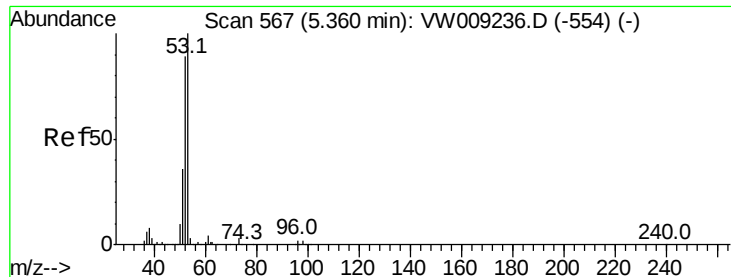
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#14
Allyl chloride
Concen: 51.217 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	41	Resp	198519
Ion Ratio	100	Lower	Upper
39	80.7	63.8	95.6
76	34.4	27.8	41.6





#15

Acrylonitrile

Concen: 286.382 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

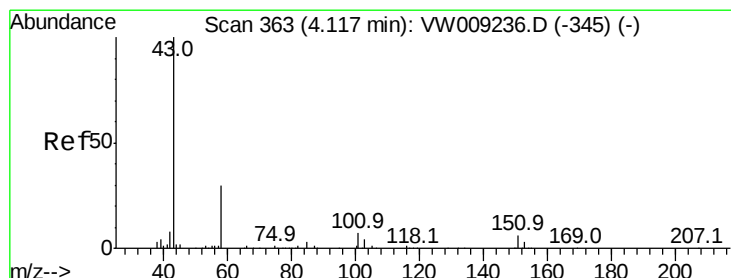
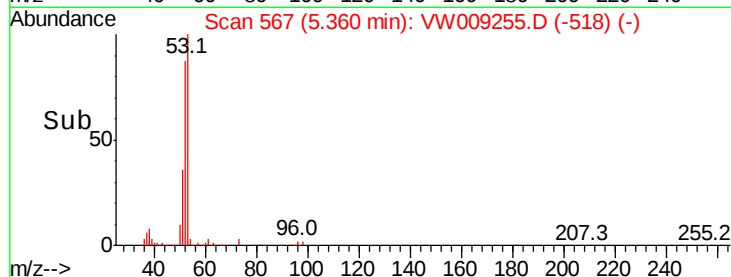
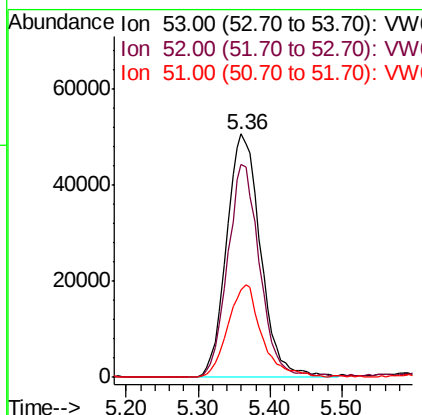
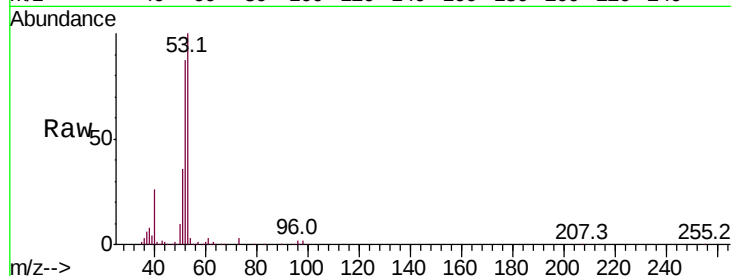
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	166663
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.6	101.4
51	37.6	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 246.526 ug/l

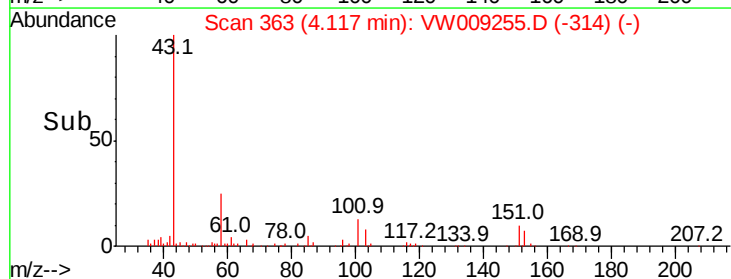
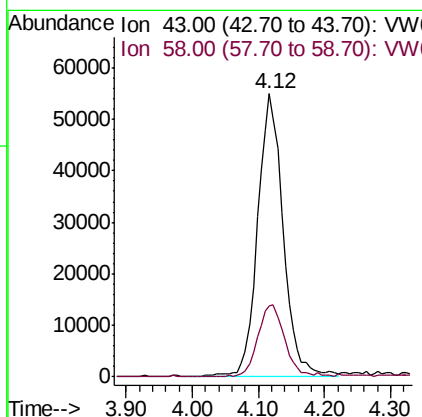
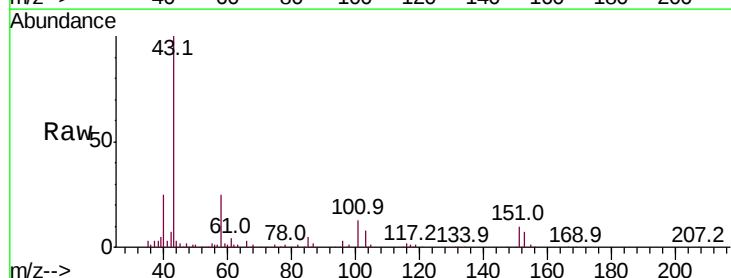
RT: 4.12 min Scan# 363

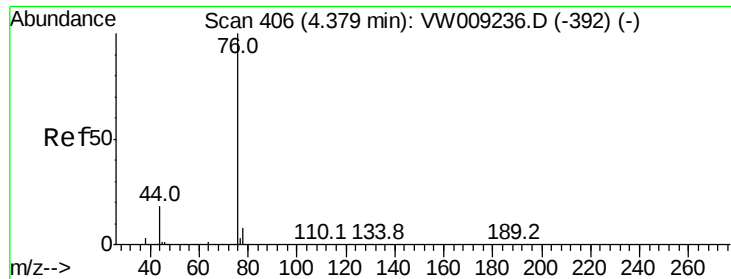
Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion:	43	Resp:	148213
Ion	Ratio	Lower	Upper
43	100		
58	24.9	23.6	35.4





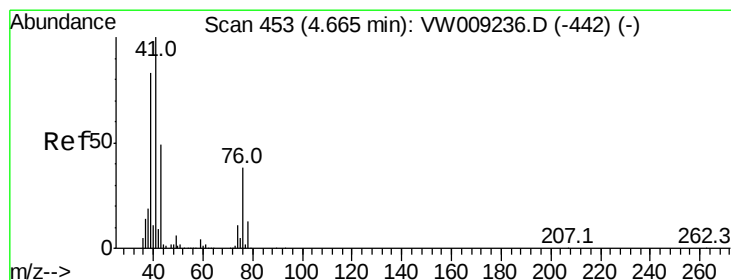
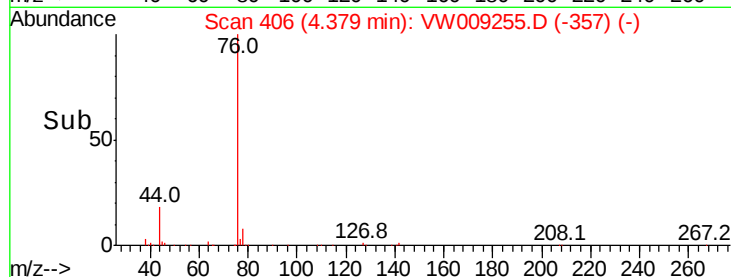
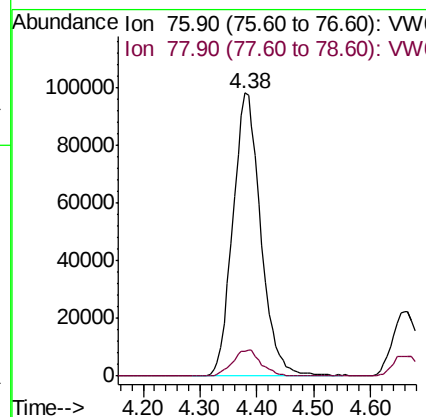
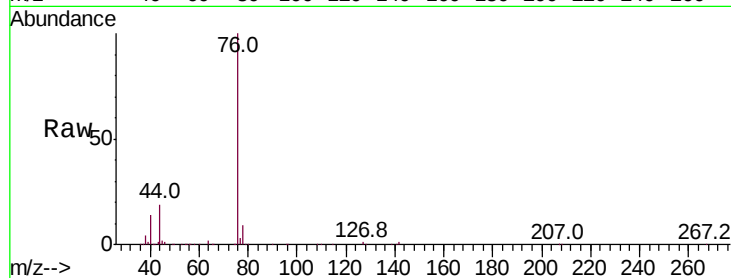
#17
Carbon Disulfide
Concen: 45.935 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	336689		
78	8.9		6.6	9.8

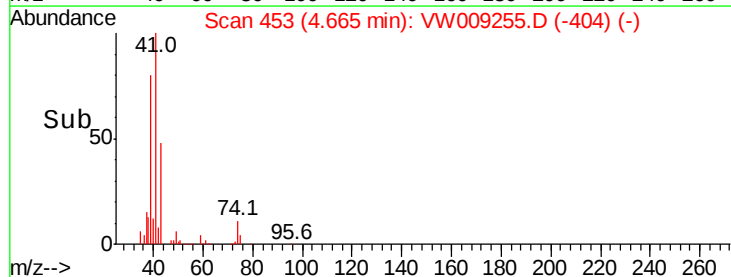
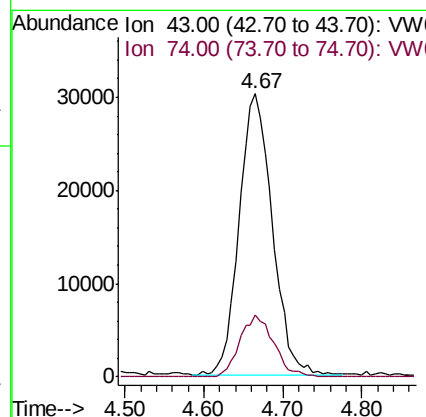
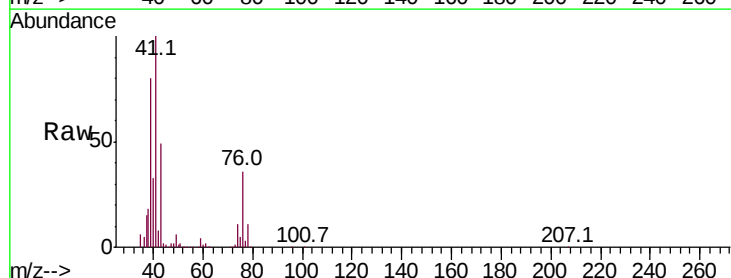
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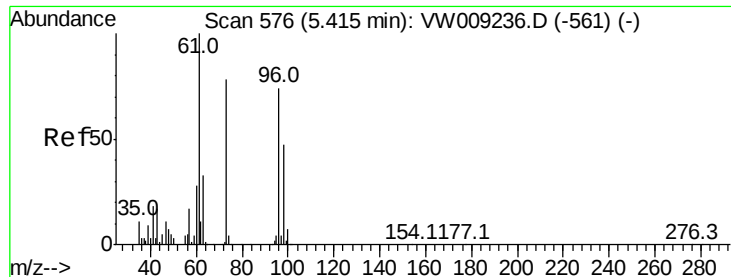
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#18
Methyl Acetate
Concen: 57.173 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	88216		
74	22.6		17.7	26.5





#19

Methyl tert-butyl Ether

Concen: 58.119 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

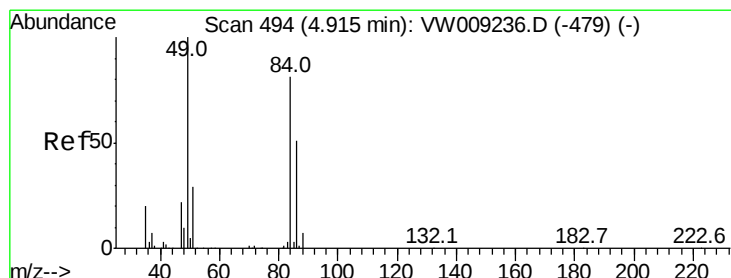
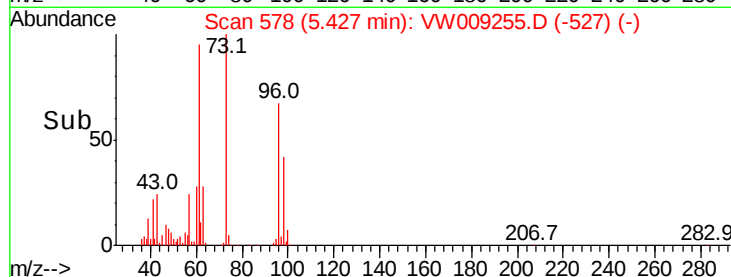
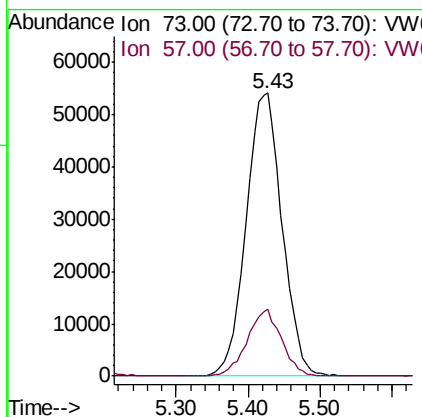
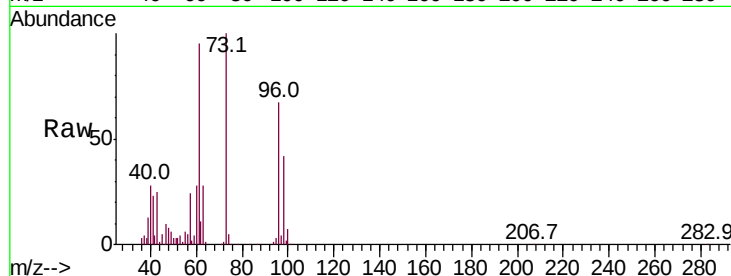
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 187544

Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.0	25.6

Manual Integrations
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#20

Methylene Chloride

Concen: 54.581 ug/l

RT: 4.91 min Scan# 493

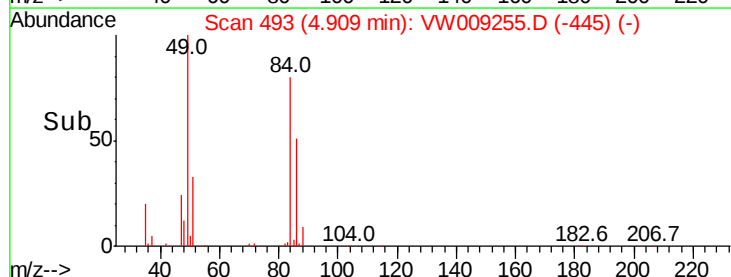
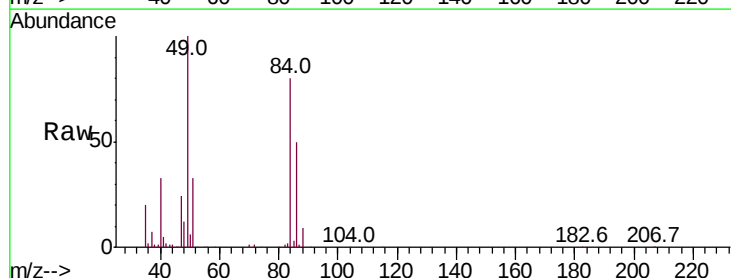
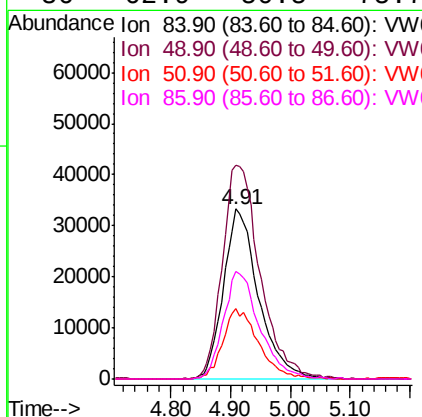
Delta R.T. -0.01 min

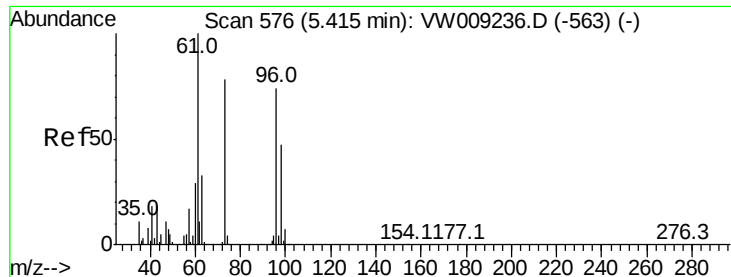
Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion: 84 Resp: 136575

Ion	Ratio	Lower	Upper
84	100		
49	125.2	99.1	148.7
51	41.0	28.7	43.1
86	62.9	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 50.226 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

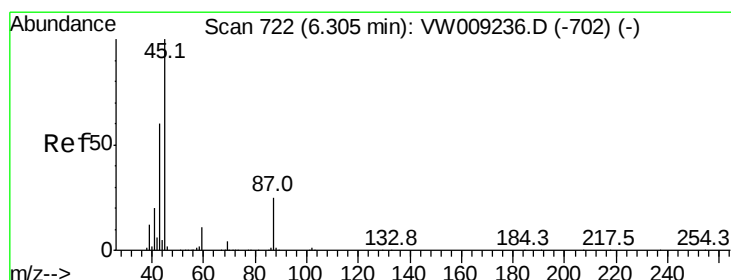
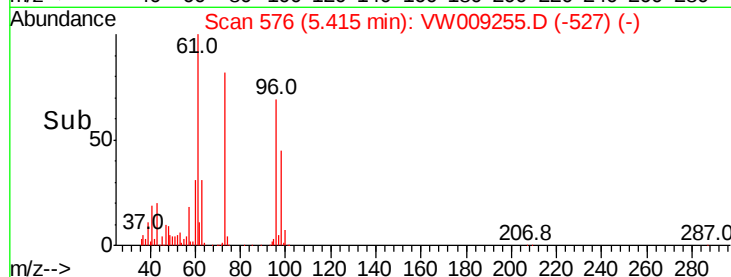
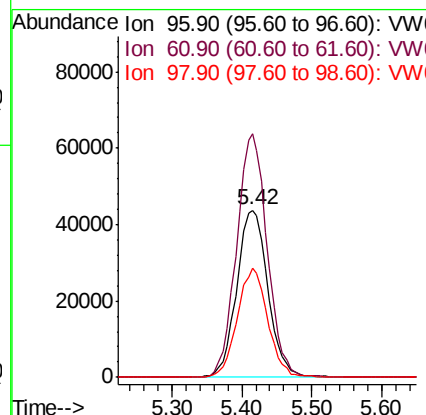
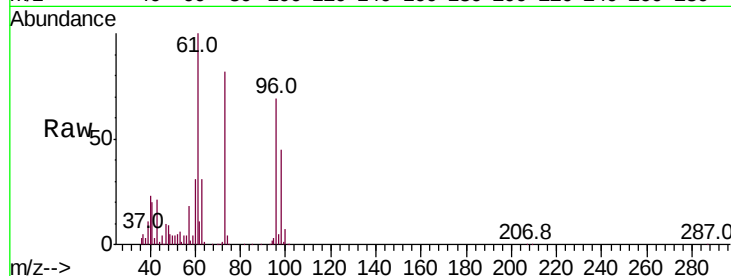
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	135863
Ion Ratio	Lower	Upper	
96	100		
61	145.7	108.2	162.4
98	65.0	50.9	76.3

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#22

Diisopropyl ether

Concen: 55.114 ug/l

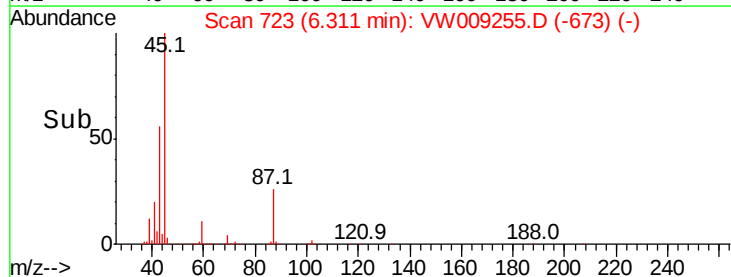
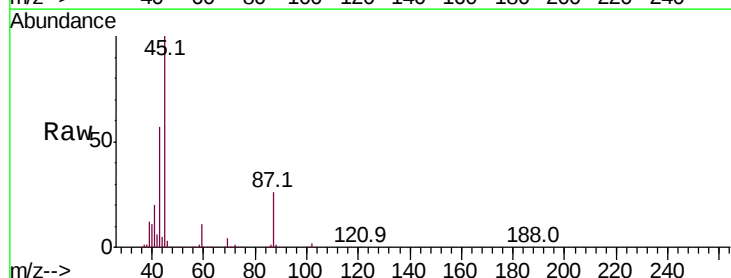
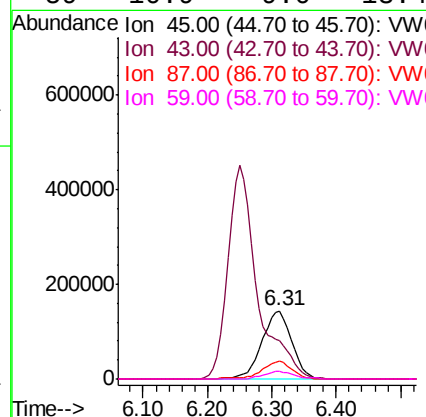
RT: 6.31 min Scan# 723

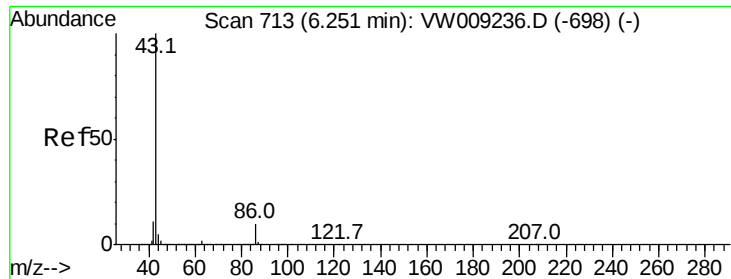
Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion:	45	Resp:	460545
Ion Ratio	Lower	Upper	
45	100		
43	56.5	47.9	71.9
87	25.7	20.6	30.8
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 277.020 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1452412

Ion Ratio Lower Upper

43 100

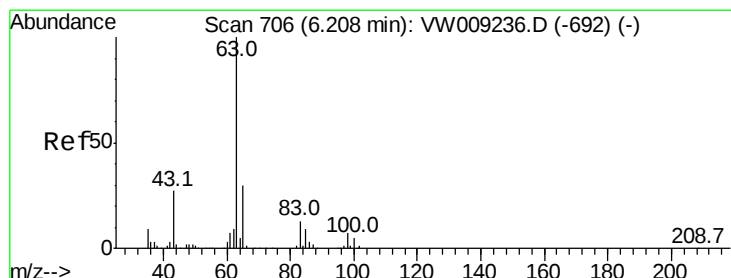
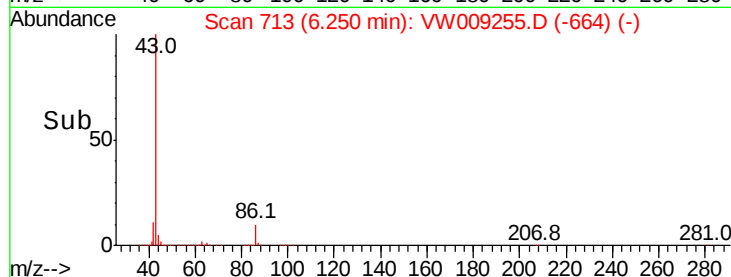
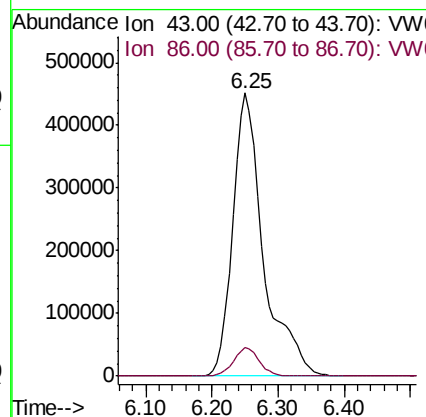
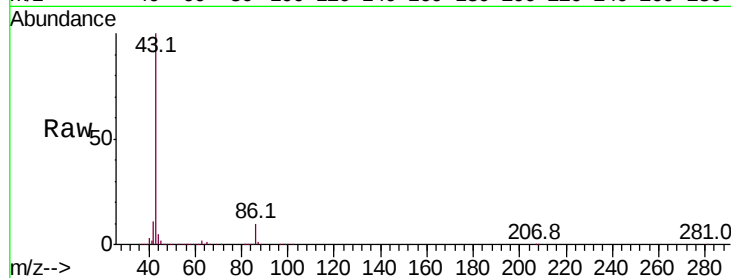
86 10.1 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 50.933 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

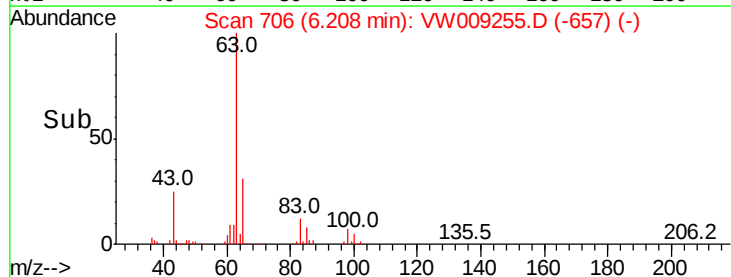
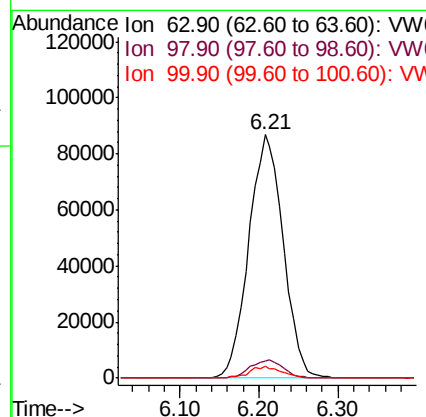
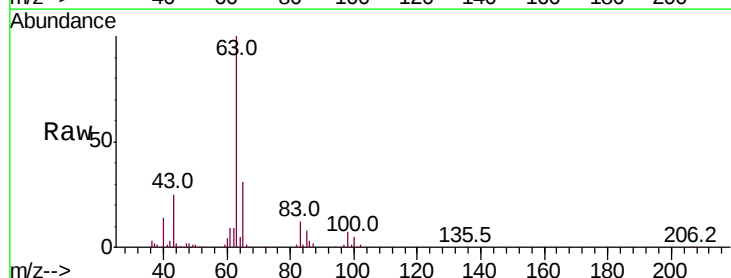
Tgt Ion: 63 Resp: 262662

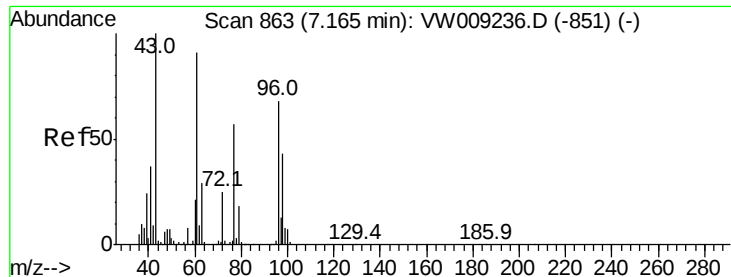
Ion Ratio Lower Upper

63 100

98 6.8 3.7 11.1

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 276.197 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 237933

Ion Ratio Lower Upper

43 100

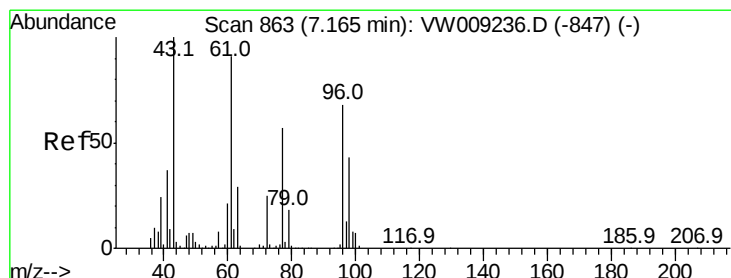
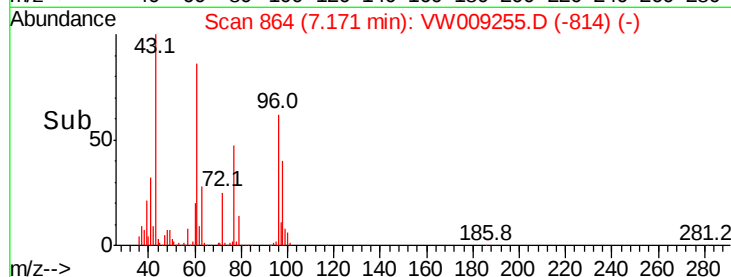
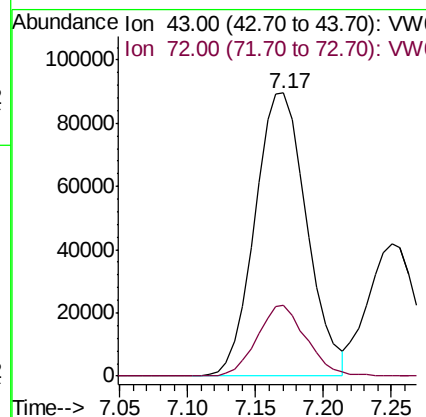
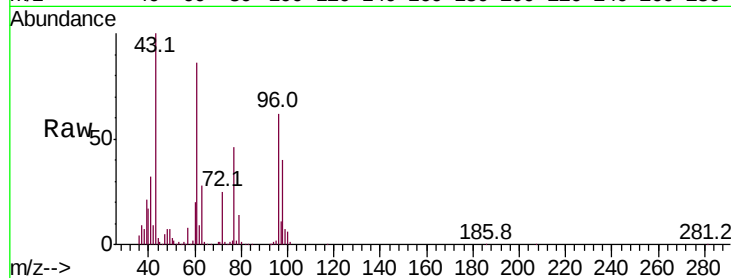
72 25.0 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.502 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009255.D

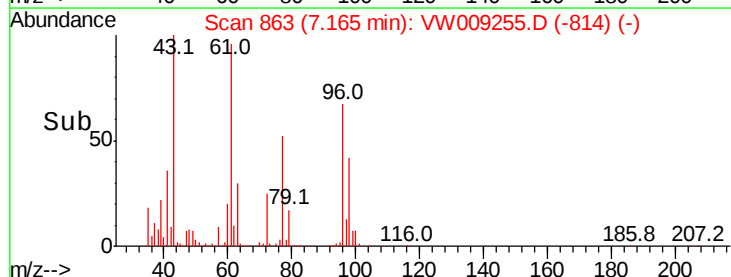
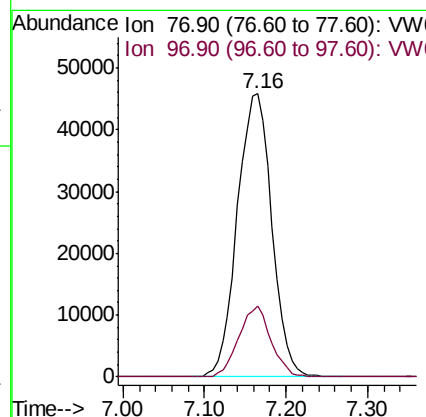
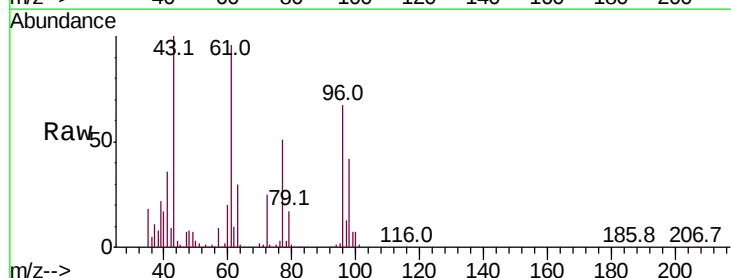
Acq: 19 Mar 2019 23:16

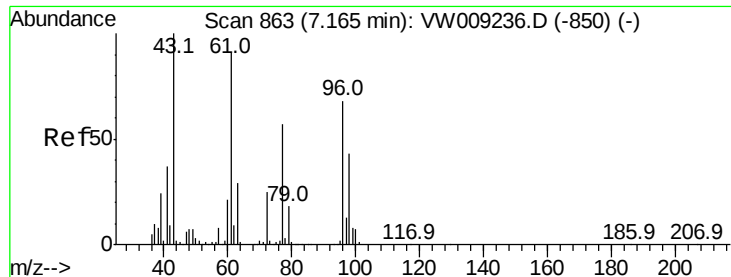
Tgt Ion: 77 Resp: 133994

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

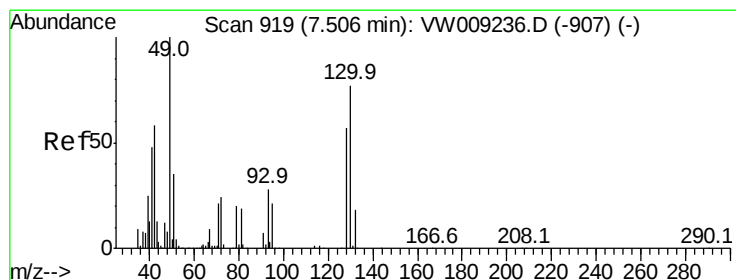
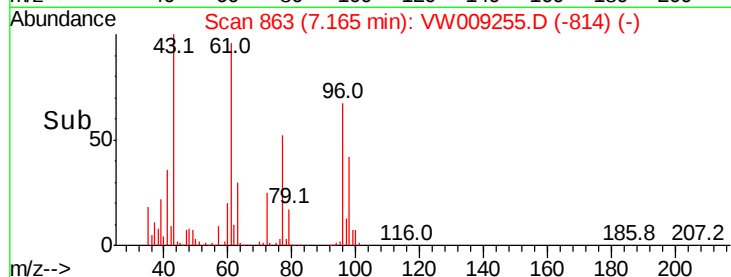
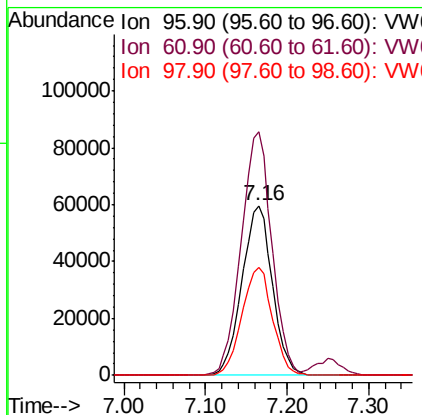
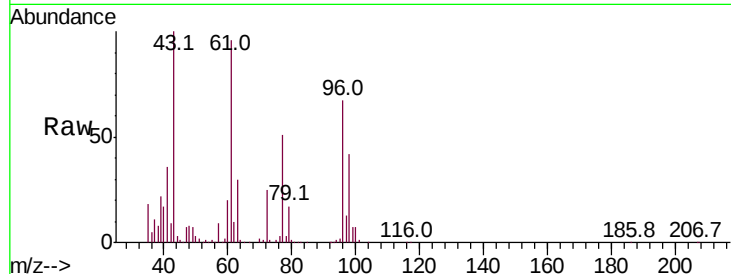
cis-1,2-Dichloroethene
Concen: 52.864 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.2	0.0	289.8	
98	63.6	0.0	130.8	

Manual Integrations
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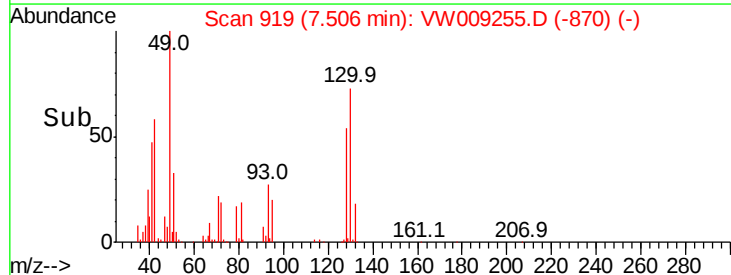
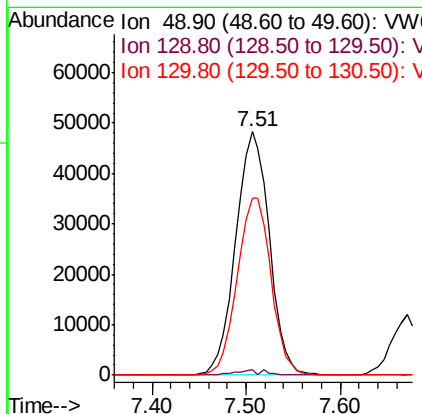
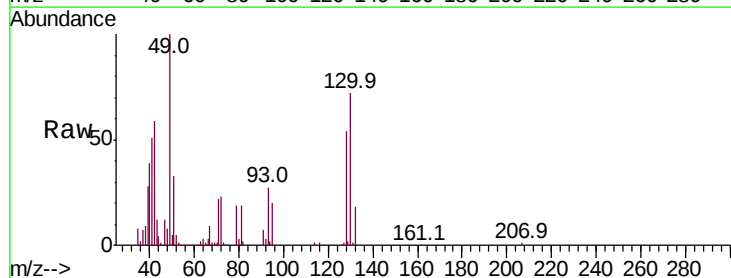
MMDadoda
3/22/2019 3:53:12 AM

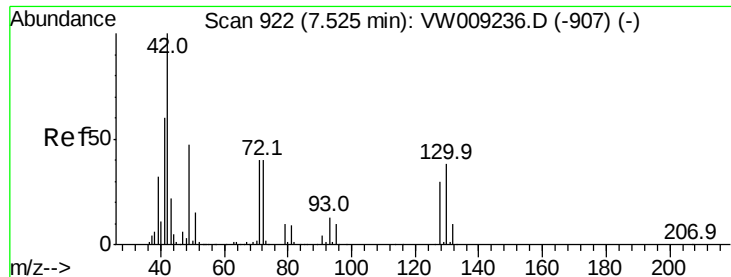


#28

Bromochloromethane
Concen: 53.321 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	1.4	
130	0.0	58.6	88.0#	





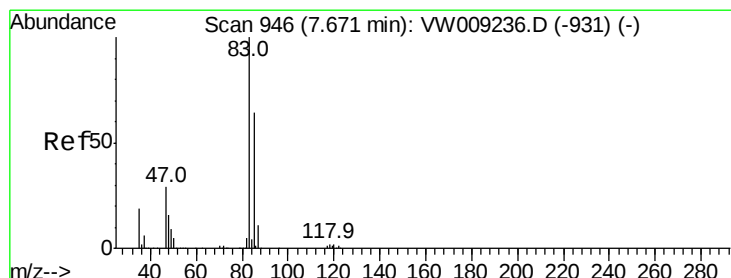
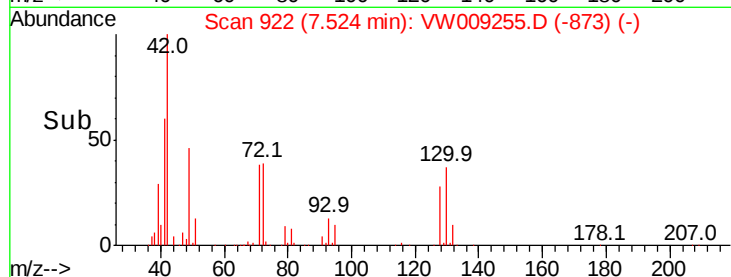
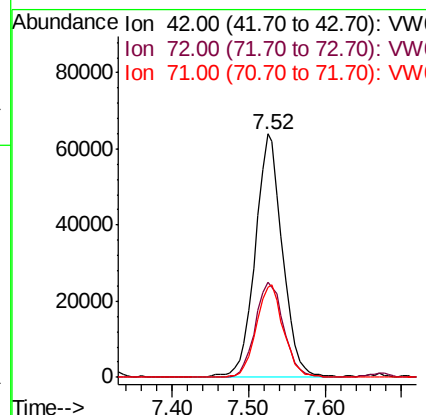
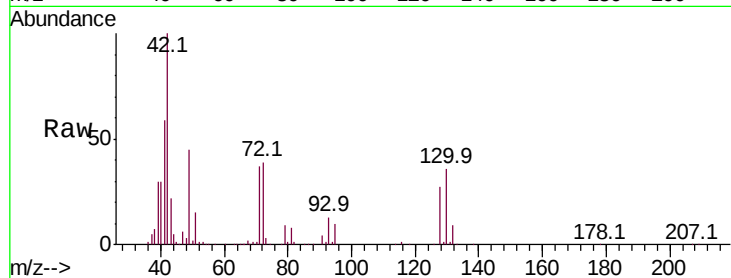
#29
Tetrahydrofuran
Concen: 288.203 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.4	48.6
71	38.4	30.1	45.1

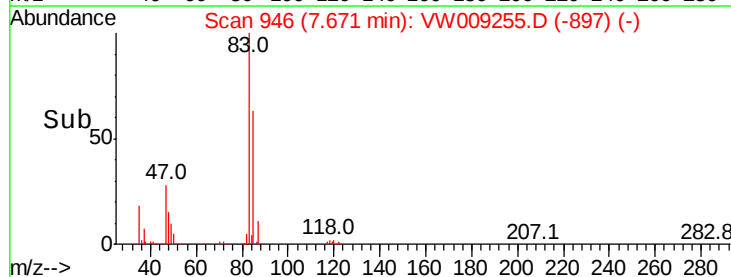
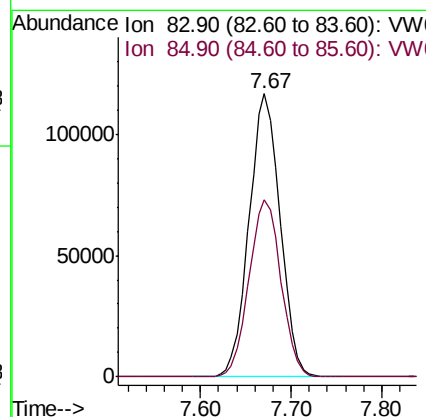
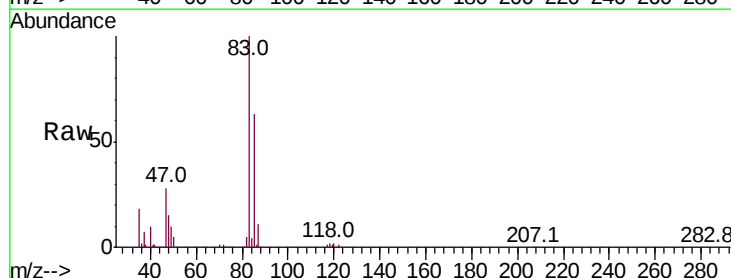
Manual Integrations
APPROVED

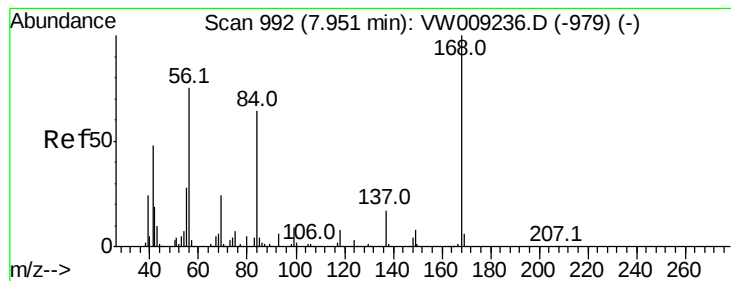
MMDadoda
3/22/2019 3:53:12 AM



#30
Chloroform
Concen: 51.498 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.6





#31

Cyclohexane

Concen: 44.843 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

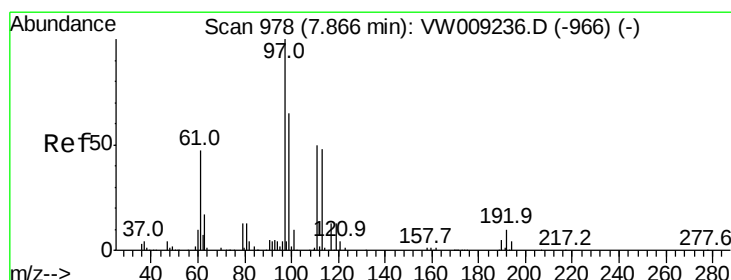
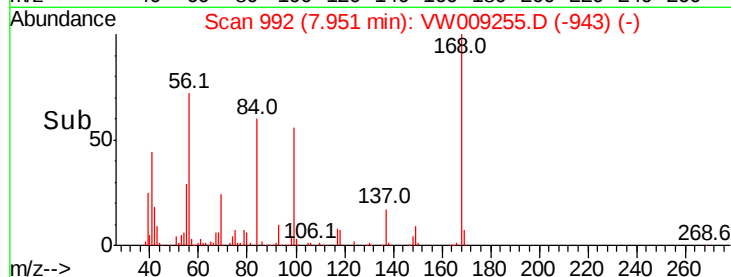
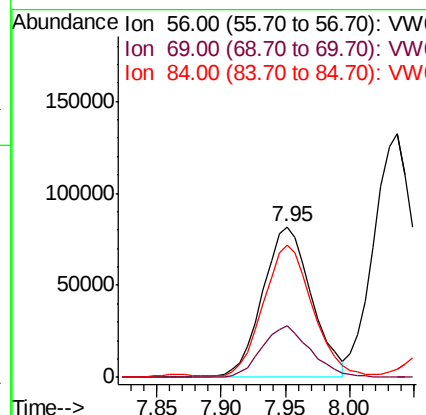
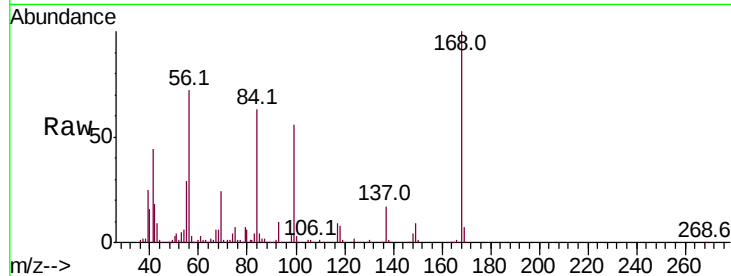
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	215601
Ion Ratio	Lower	Upper	
56	100		
69	33.7	26.1	39.1
84	86.6	68.6	103.0

Manual Integrations
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3/22/2019 3:53:12 AM



#32

1,1,1-Trichloroethane

Concen: 48.892 ug/l

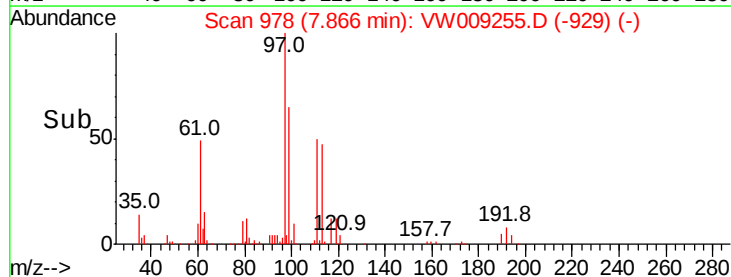
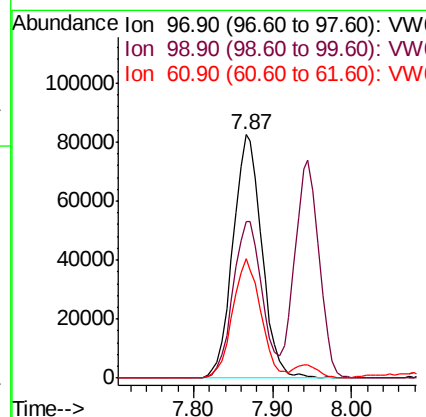
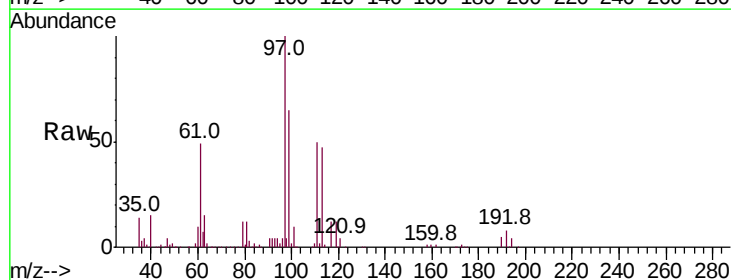
RT: 7.87 min Scan# 978

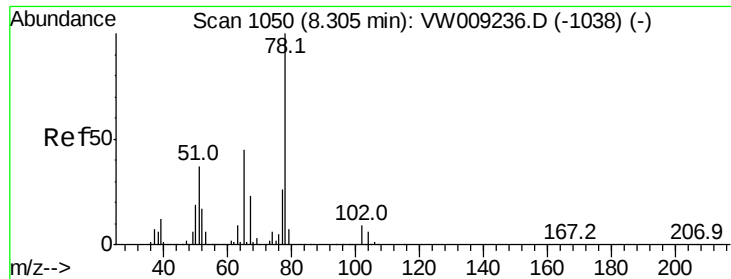
Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion:	97	Resp:	209405
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.9	77.9
61	48.3	36.8	55.2





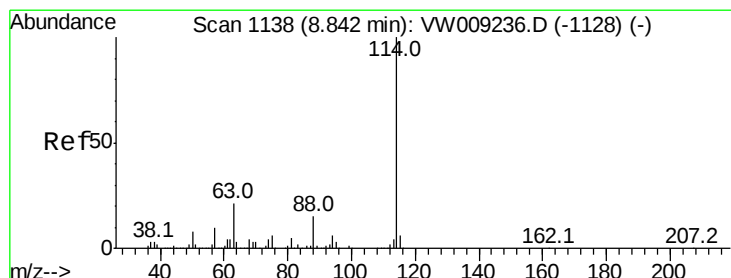
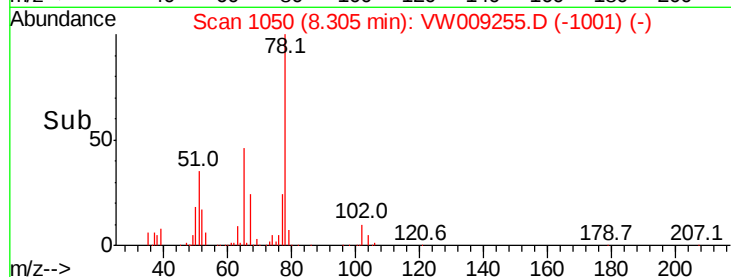
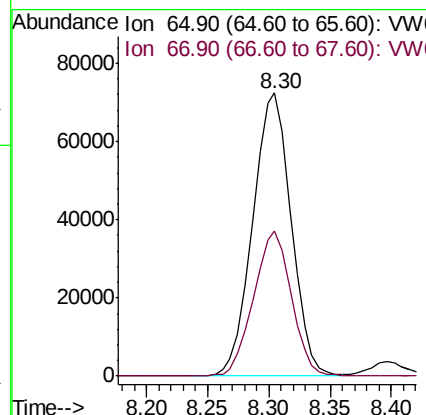
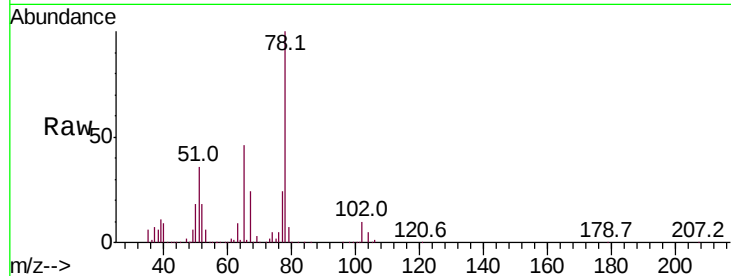
#33
 1,2-Dichloroethane-d4
 Concen: 53.962 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	158129		
67	50.6	0.0	102.4	

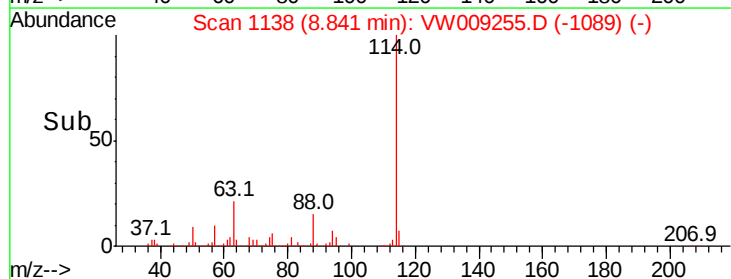
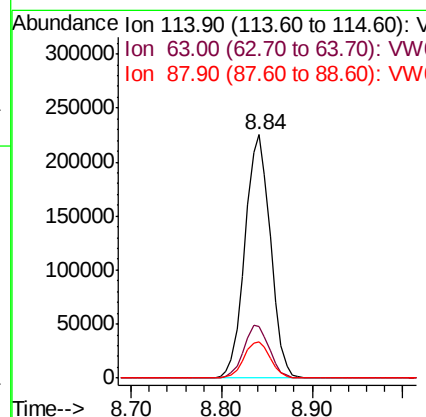
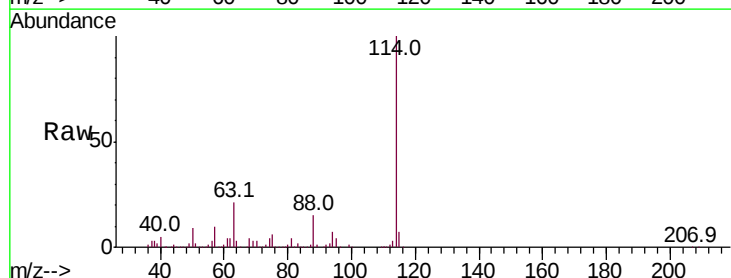
Manual Integrations
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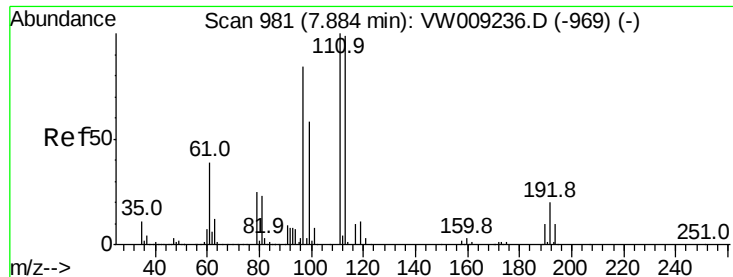
MMDadoda
 3/22/2019 3:53:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437295		
63	21.0	0.0	42.2	
88	15.1	0.0	30.8	





#35

Dibromofluoromethane

Concen: 49.086 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

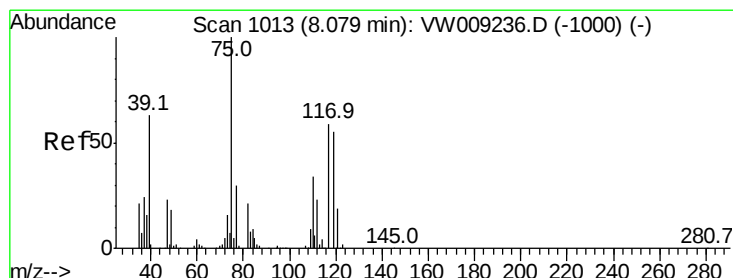
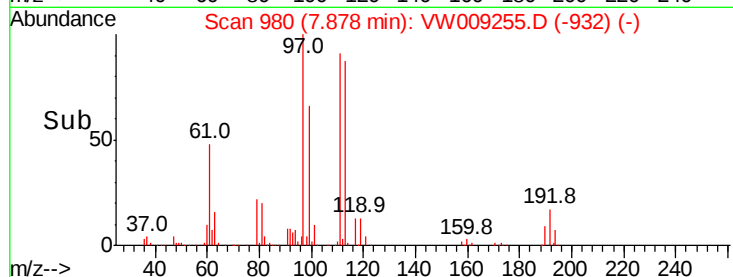
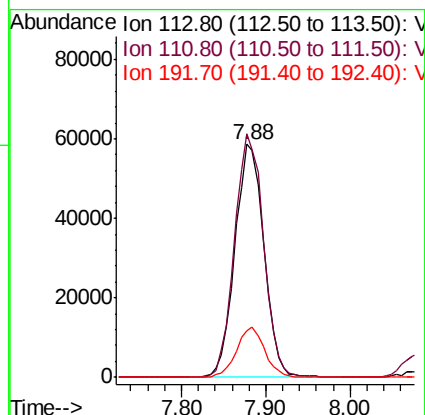
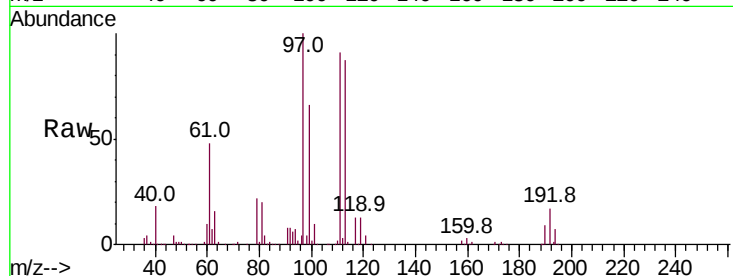
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	136162		
111	104.7	82.6	124.0	
192	20.8	16.4	24.6	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.287 ug/l

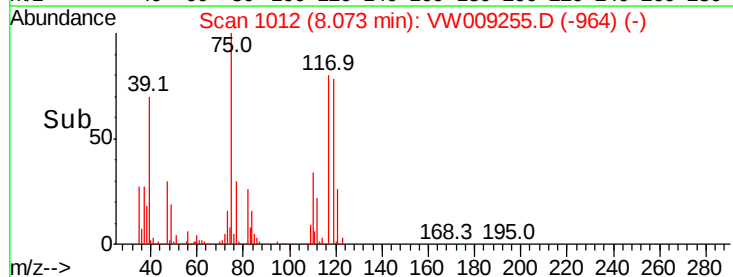
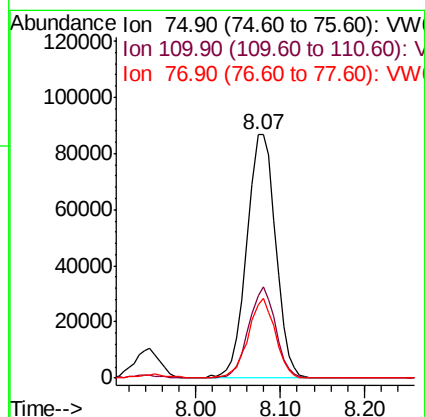
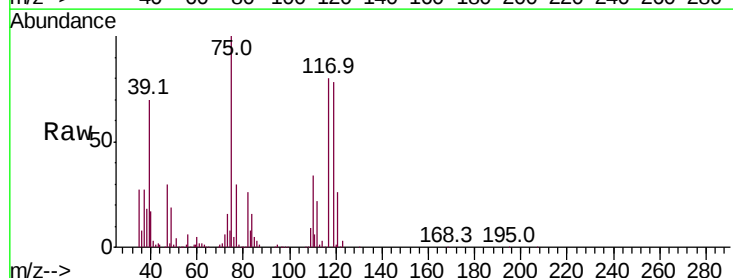
RT: 8.07 min Scan# 1012

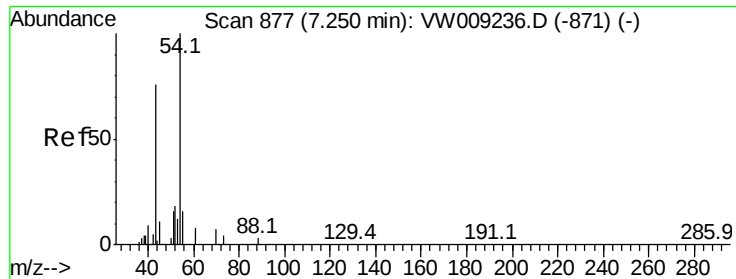
Delta R.T. -0.01 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	201421		
110	34.7	16.8	50.4	
77	30.8	24.6	36.8	





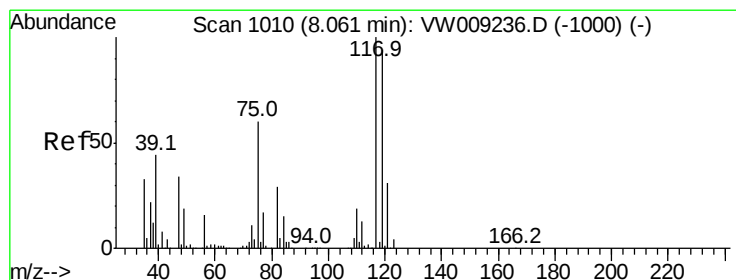
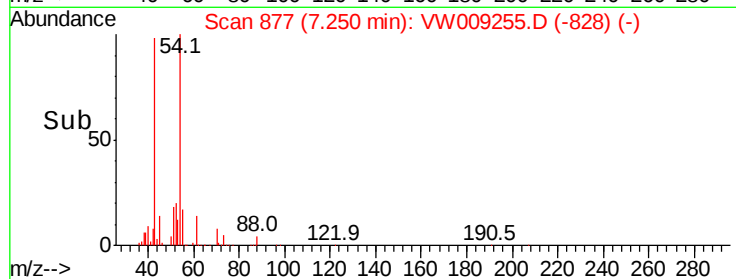
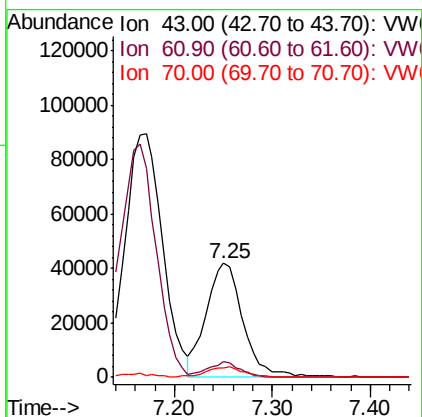
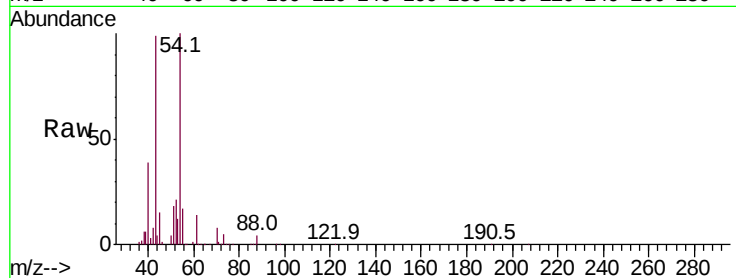
#37
Ethyl Acetate
Concen: 54.435 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.0	15.0
70	9.6	7.3	10.9

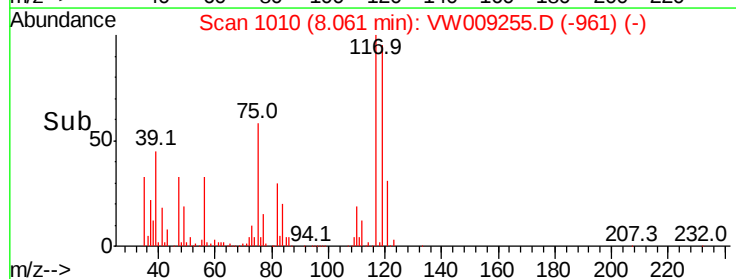
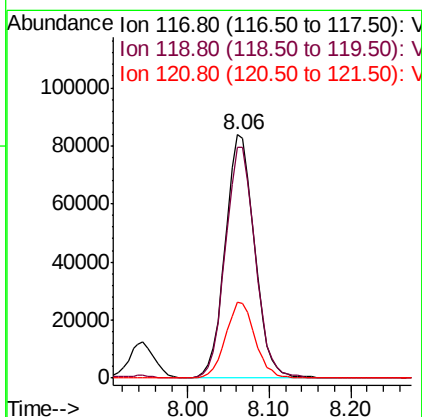
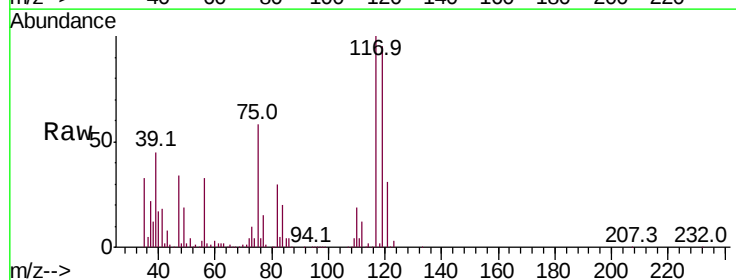
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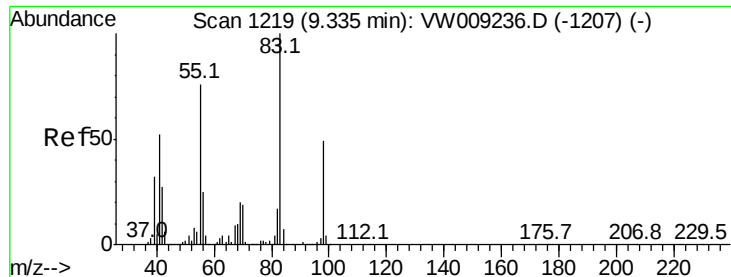
MMDadoda
3/22/2019 3:53:12 AM



#38
Carbon Tetrachloride
Concen: 45.024 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.4	113.0
121	31.1	24.9	37.3





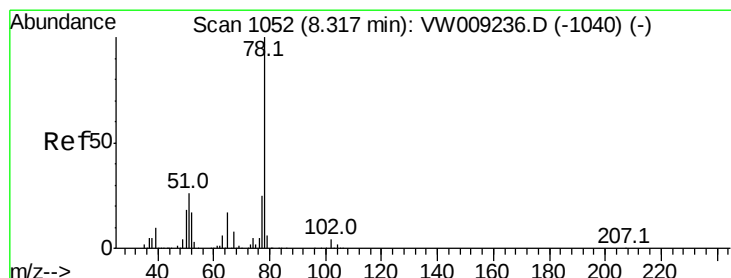
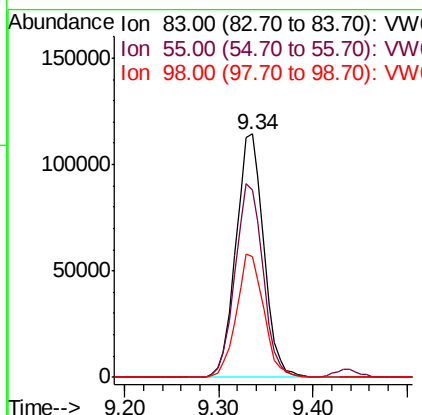
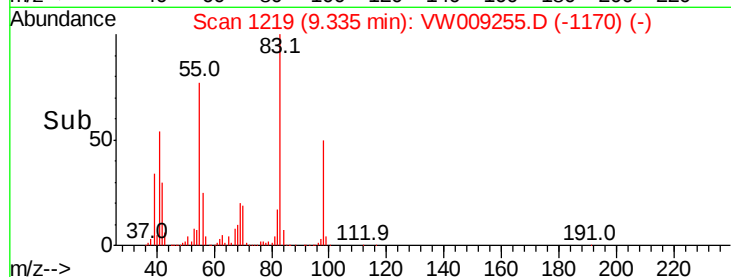
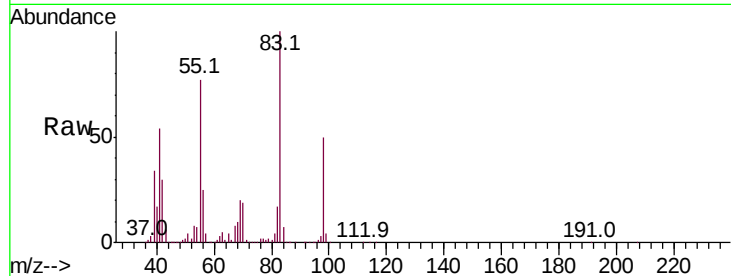
#39
Methvlcvclohexane
Concen: 46.805 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	235644
Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.1	91.7
98	49.5	39.0	58.4

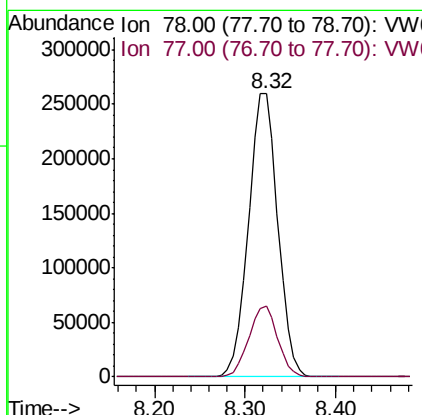
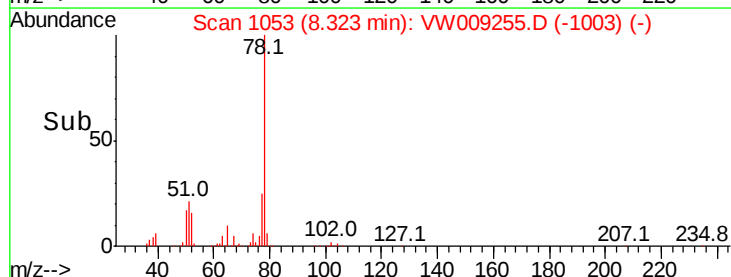
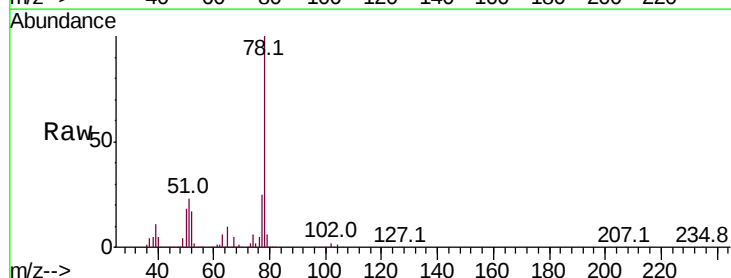
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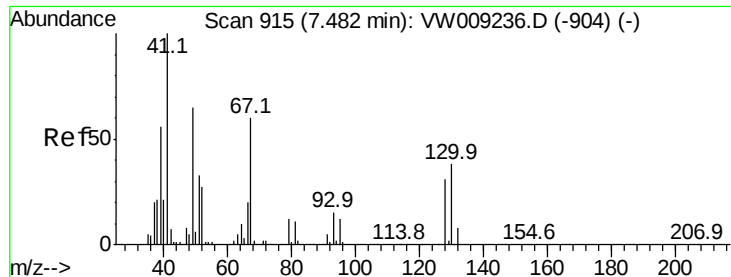
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#40
Benzene
Concen: 49.152 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	78	Resp	580005
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.6





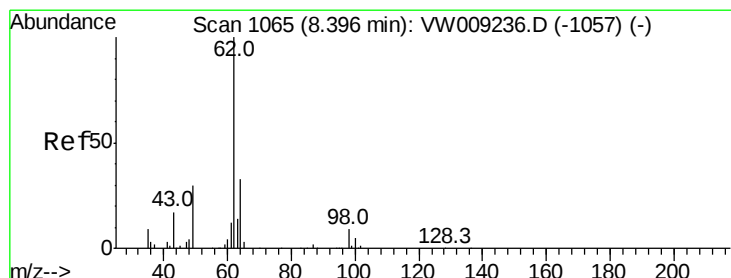
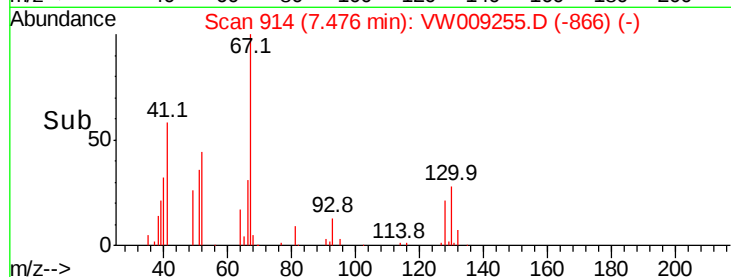
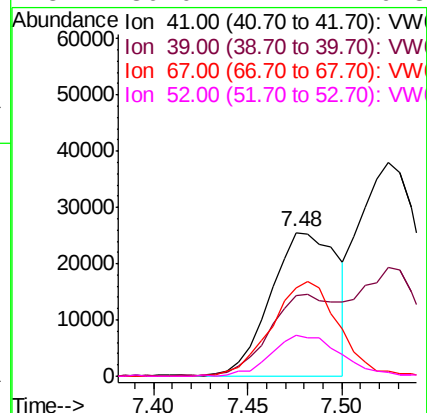
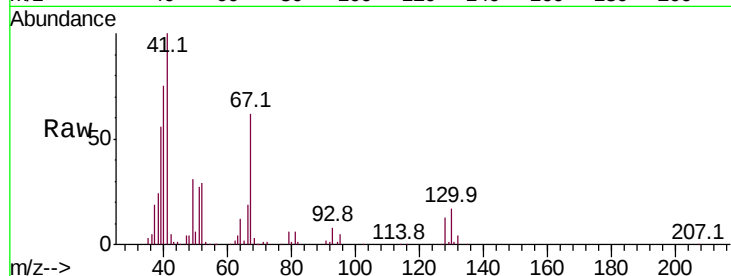
#41
Methacrylonitrile
Concen: 59.100 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	52.5	78.7
67	65.8	56.6	84.8
52	30.0	27.2	40.8

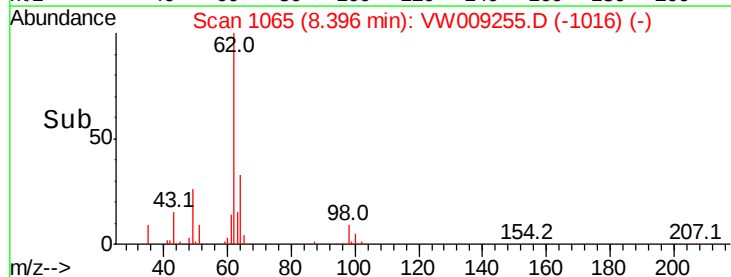
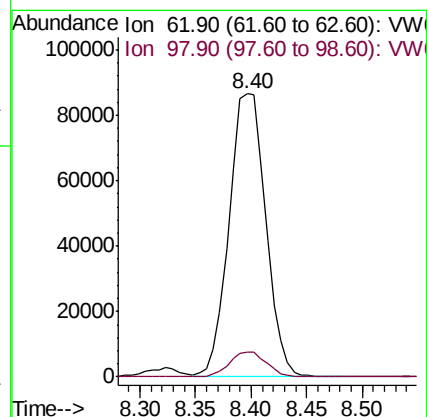
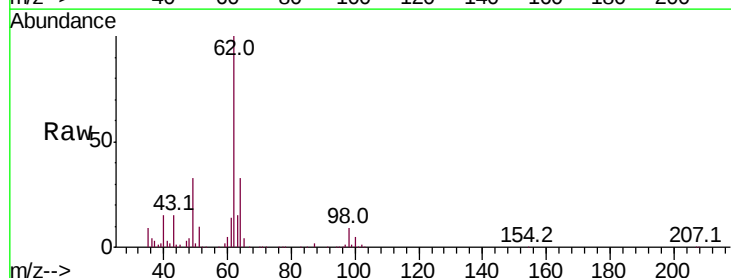
Manual Integrations
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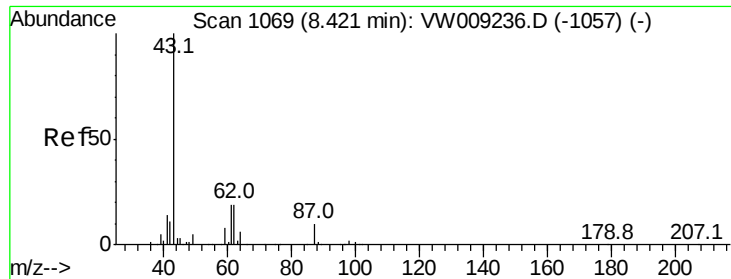
MMDadoda
3/22/2019 3:53:12 AM



#42
1,2-Dichloroethane
Concen: 51.252 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4





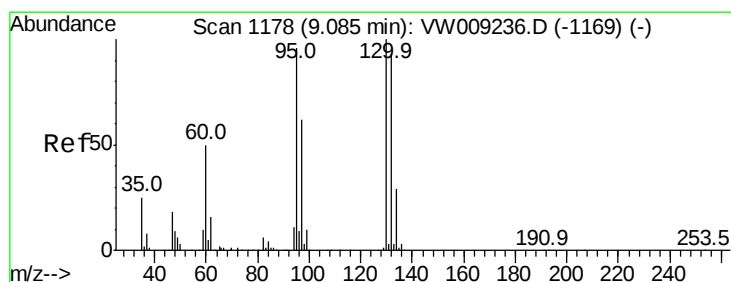
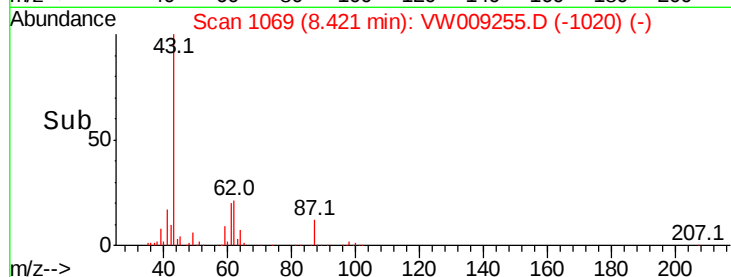
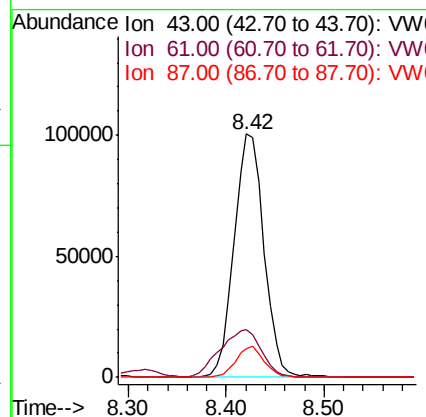
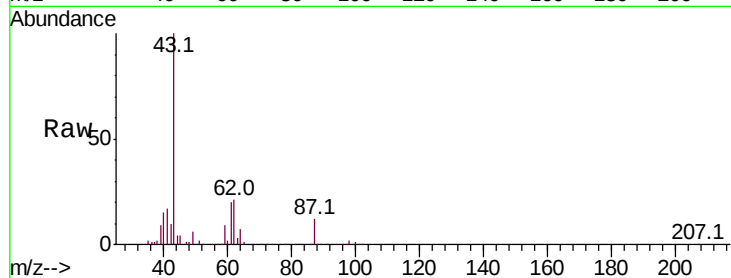
#43
Isopropyl Acetate
Concen: 53.470 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.2	33.2
87	12.1	9.6	14.4

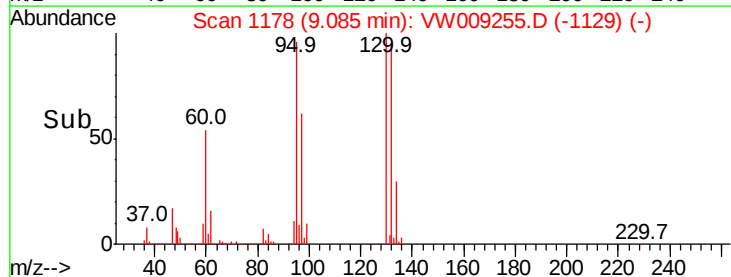
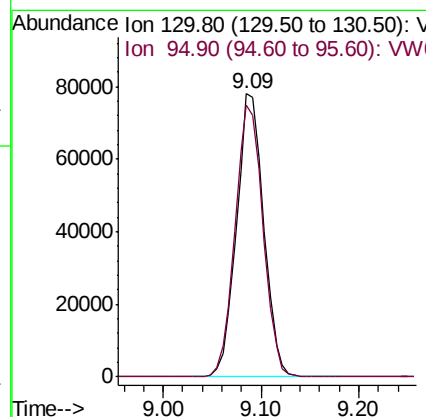
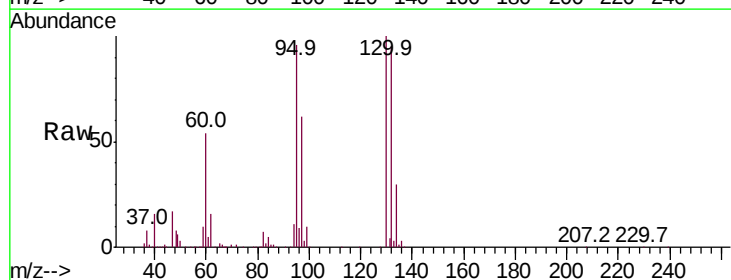
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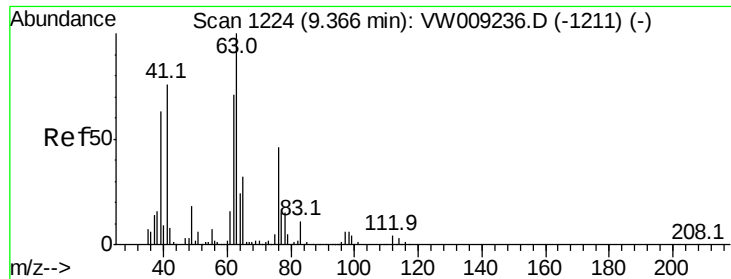
MMDadoda
3/22/2019 3:53:12 AM



#44
Trichloroethene
Concen: 46.616 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	192.6





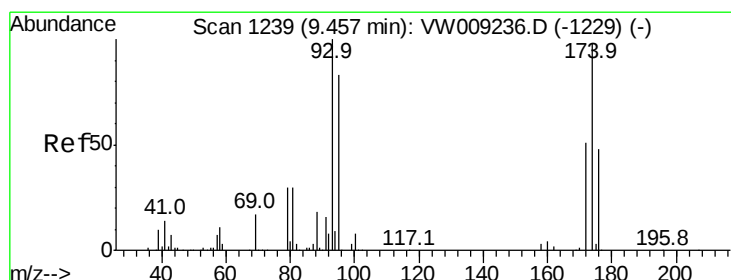
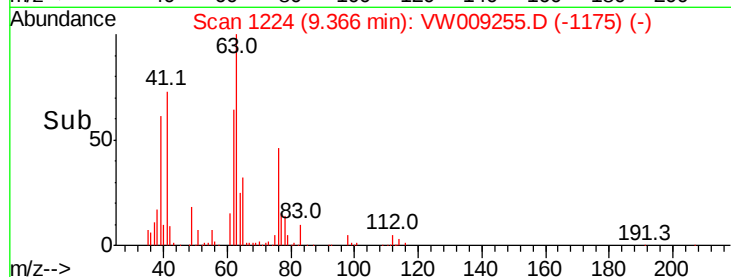
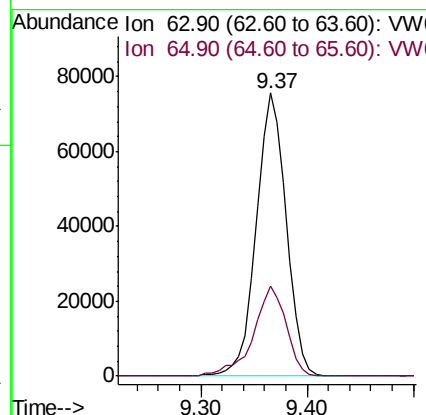
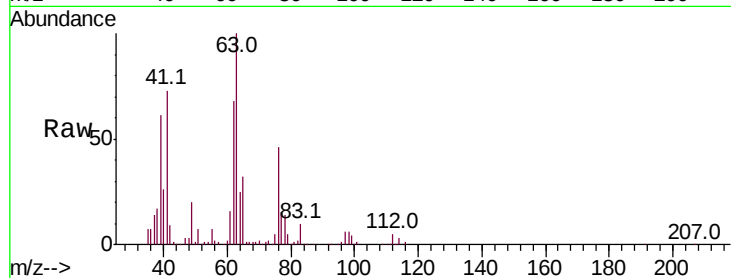
#45
 1,2-Dichloropropane
 Concen: 49.842 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.8	38.8

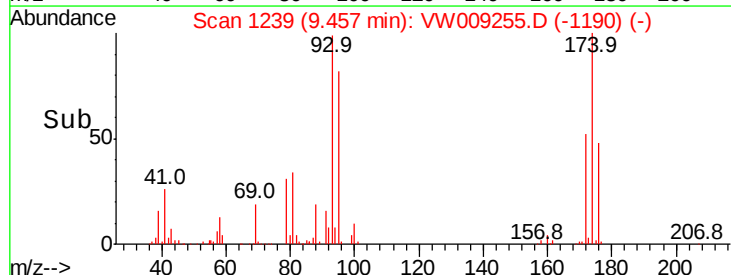
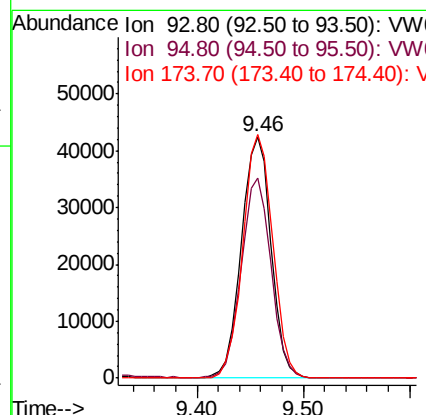
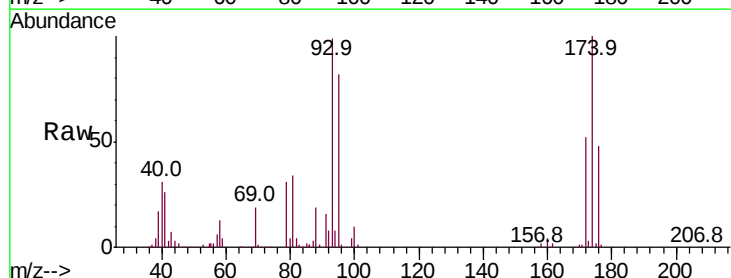
Manual Integrations
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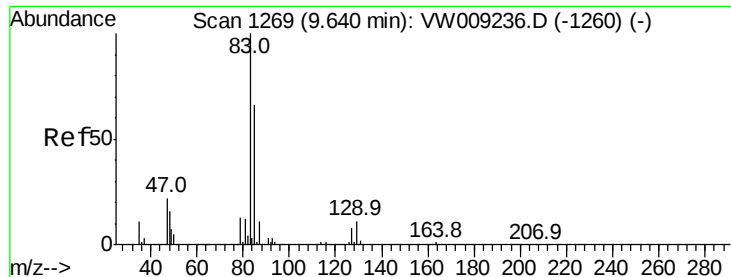
MMDadoda
 3/22/2019 3:53:12 AM



#46
 Dibromomethane
 Concen: 50.458 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.9	100.3
174	101.7	80.8	121.2





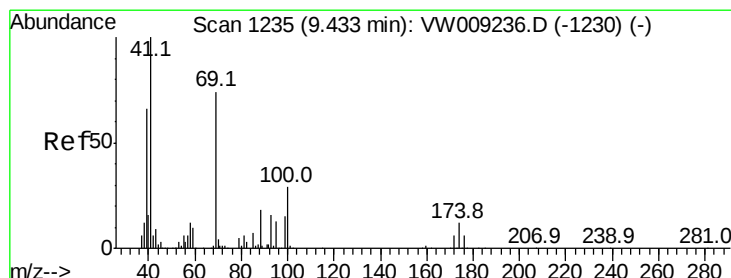
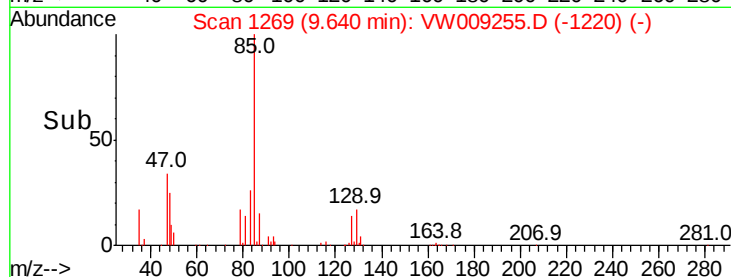
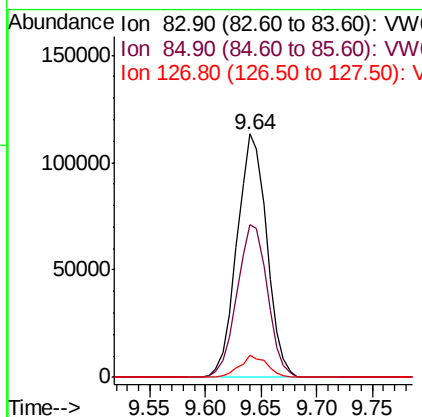
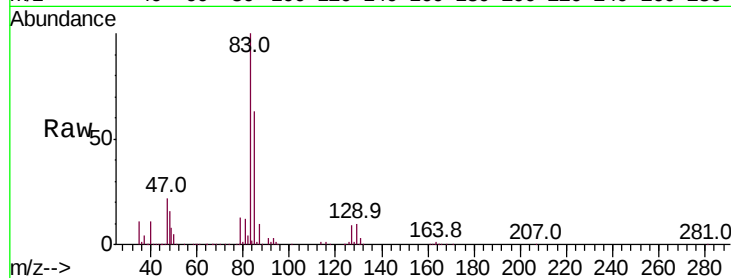
#47
Bromodichloromethane
Concen: 50.418 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.9	52.6	79.0	
127	9.1	6.5	9.7	

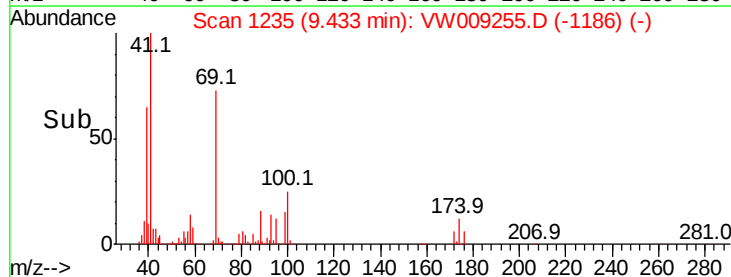
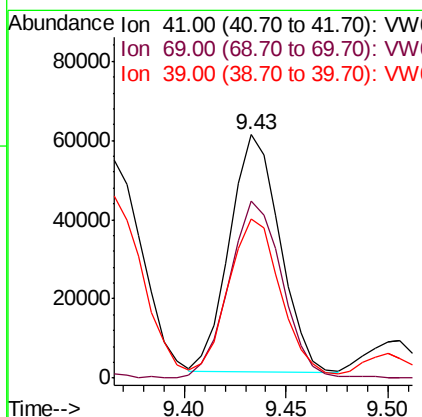
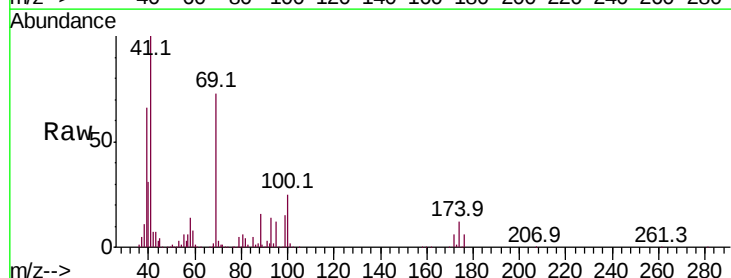
Manual Integrations
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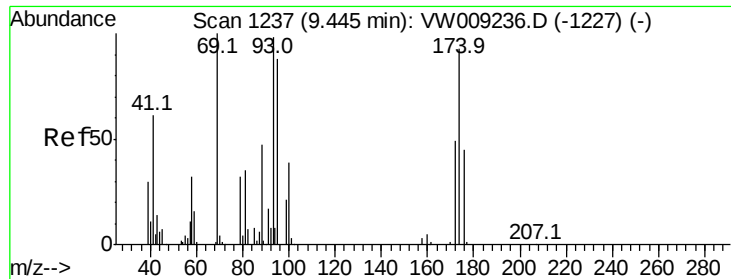
MMDadoda
3/22/2019 3:53:12 AM



#48
Methyl methacrylate
Concen: 55.689 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	78.1	63.0	94.6	
39	70.5	57.2	85.8	





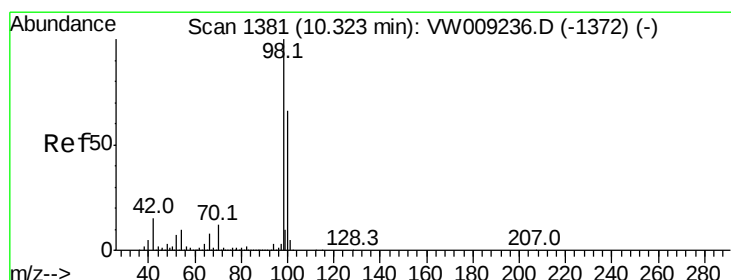
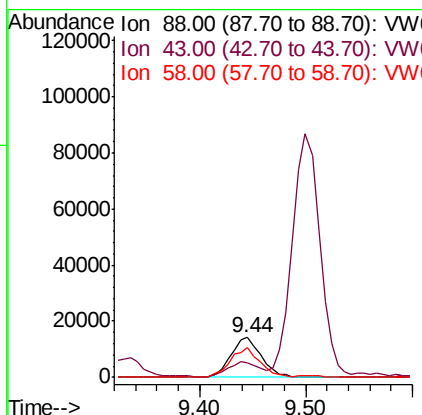
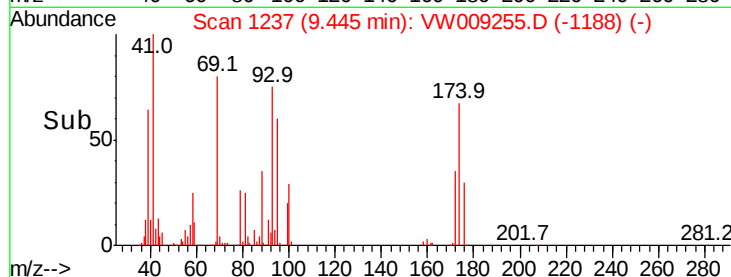
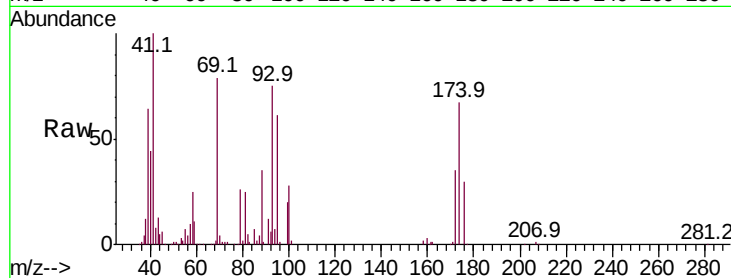
#49
1,4-Dioxane
Concen: 1118.350 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	29.7	44.5
58	72.9	58.1	87.1

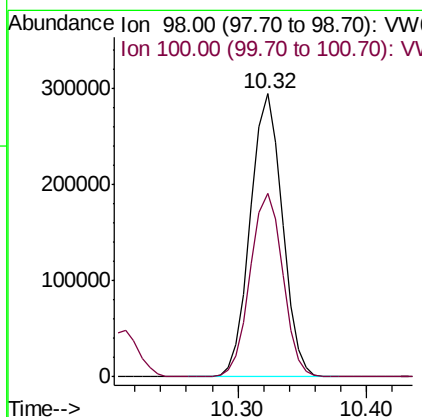
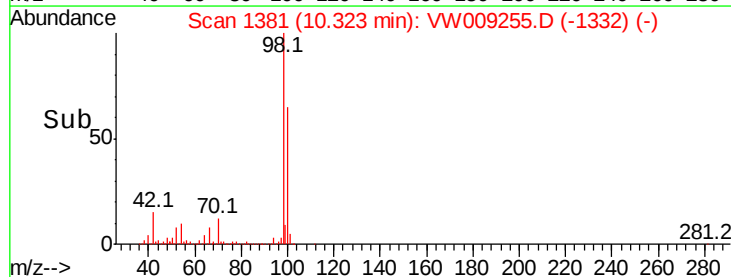
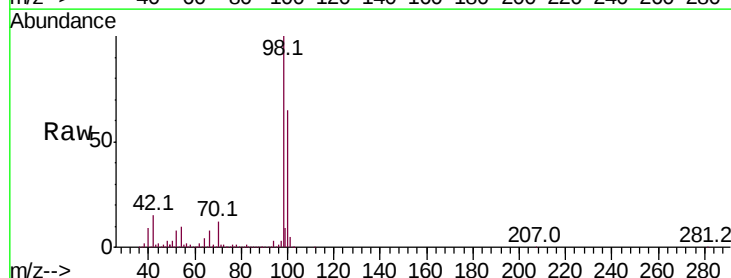
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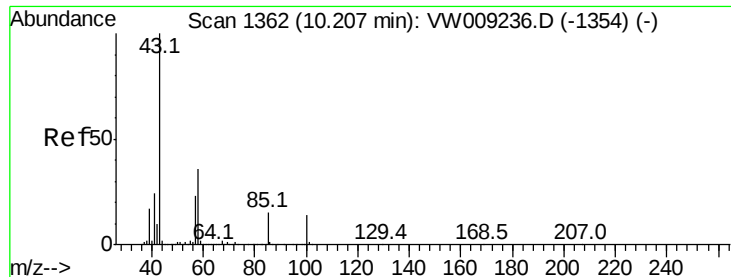
MMDadoda
3/22/2019 3:53:12 AM



#50
Toluene-d8
Concen: 50.069 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 273.990 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 567759

Ion Ratio Lower Upper

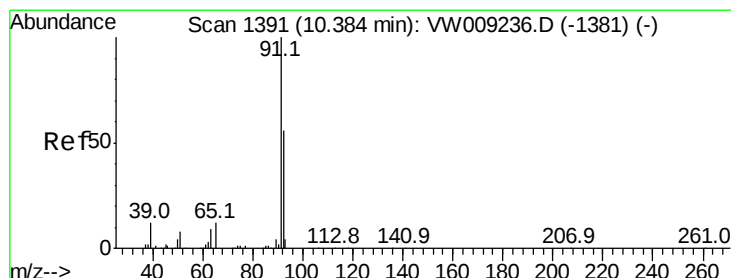
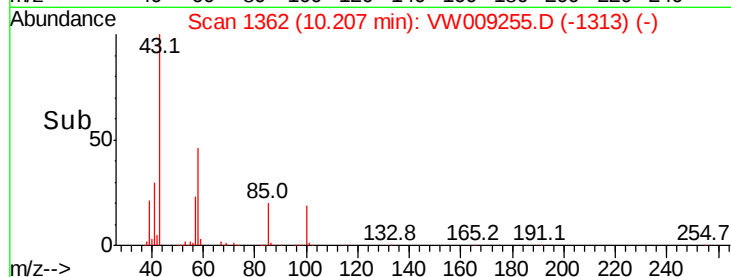
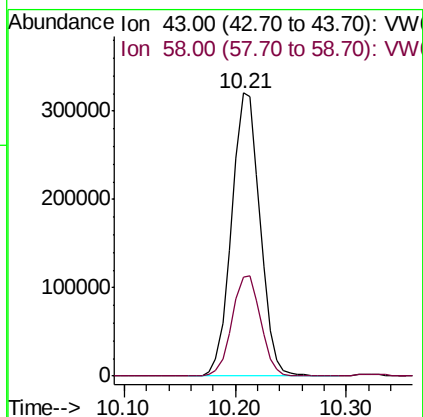
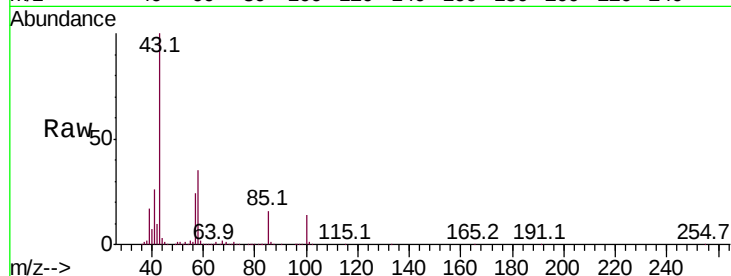
43 100

58 35.8 28.6 42.8

Manual Integrations
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#52

Toluene

Concen: 49.879 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009255.D

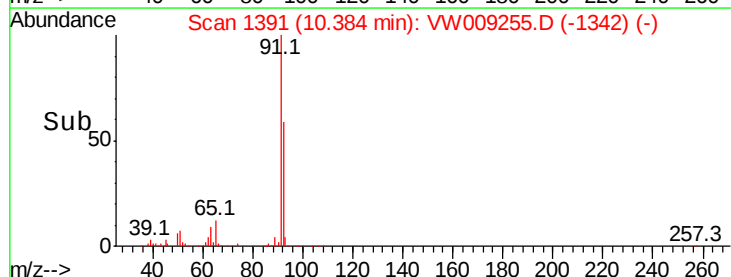
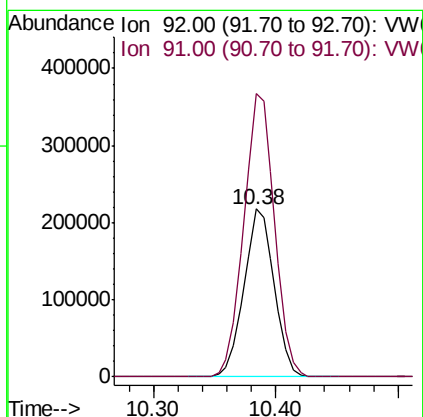
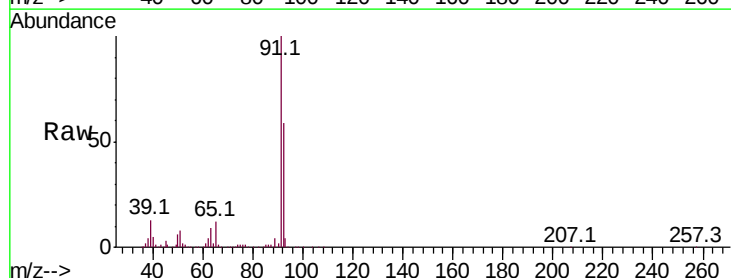
Acq: 19 Mar 2019 23:16

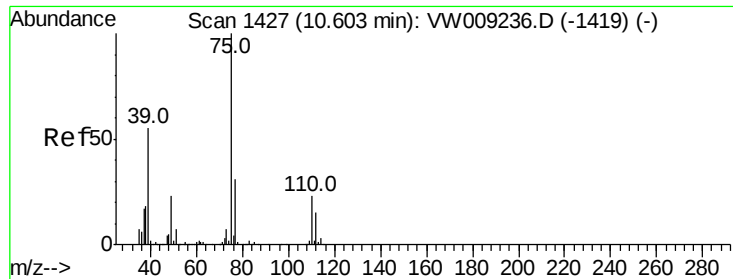
Tgt Ion: 92 Resp: 372951

Ion Ratio Lower Upper

92 100

91 171.9 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 51.651 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 209957

Ion Ratio Lower Upper

75 100

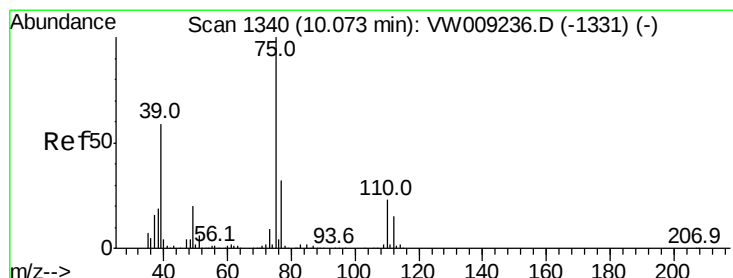
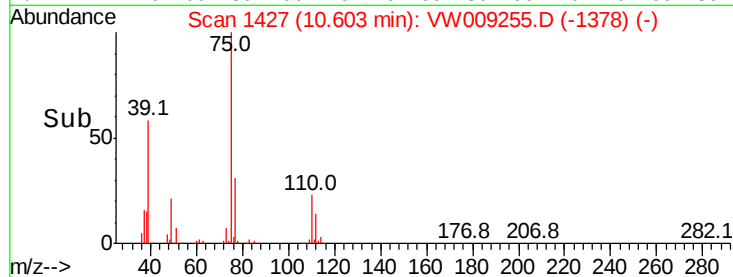
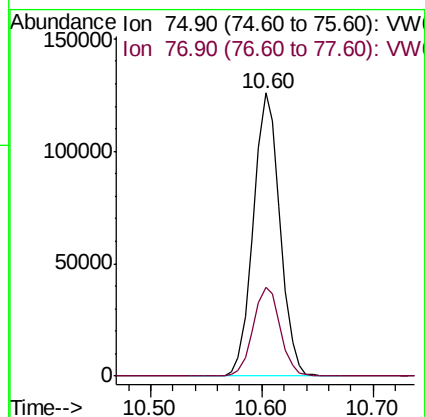
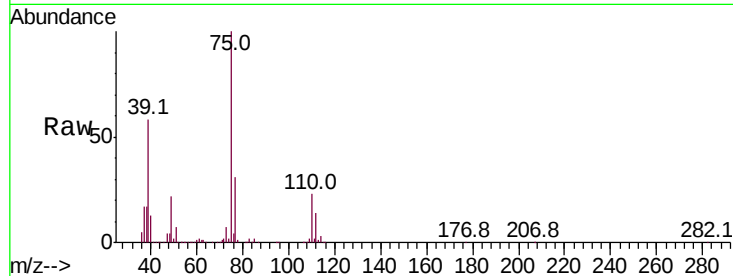
77 31.2 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.830 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

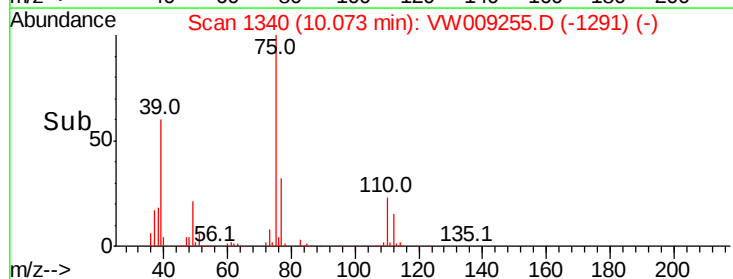
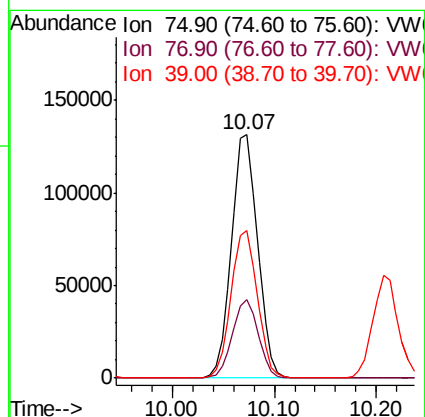
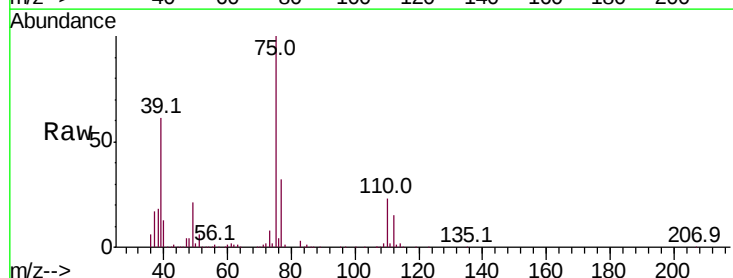
Tgt Ion: 75 Resp: 232449

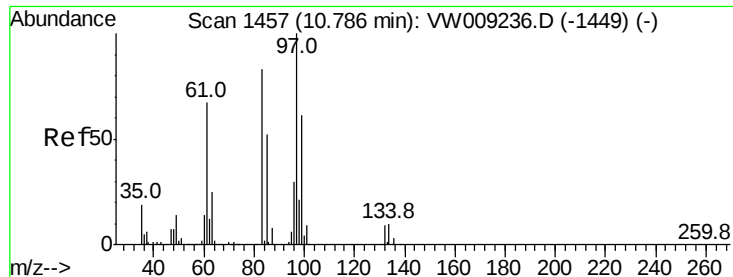
Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9

39 60.4 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 51.476 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

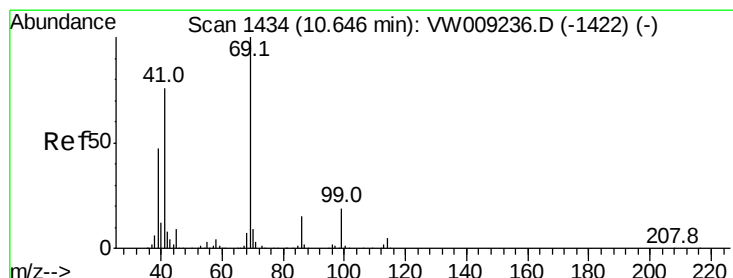
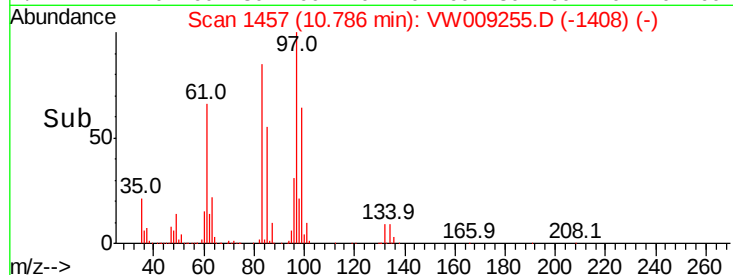
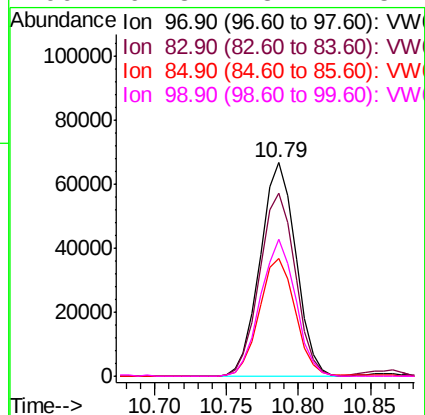
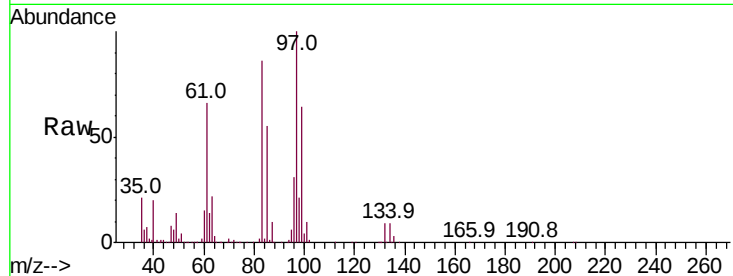
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	114979
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.3	99.5
85	55.4	41.4	62.2
99	64.3	48.7	73.1

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#56

Ethyl methacrylate

Concen: 55.363 ug/l

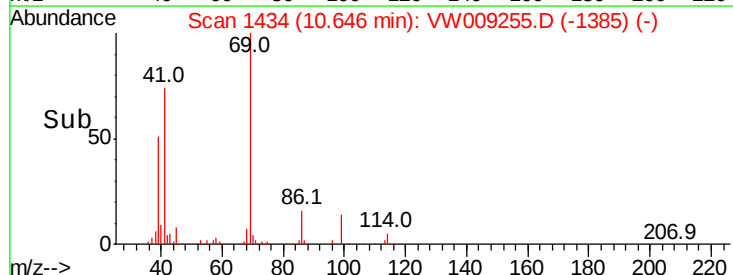
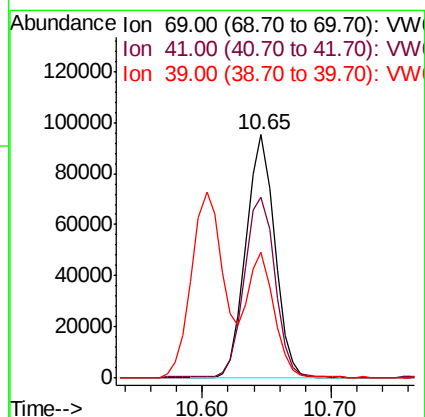
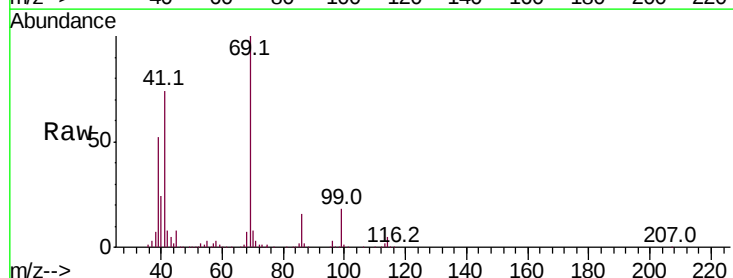
RT: 10.65 min Scan# 1434

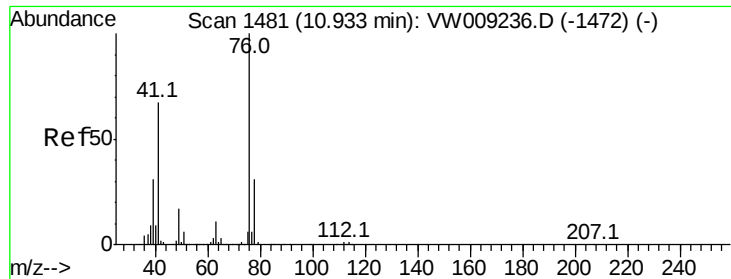
Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion:	69	Resp:	147250
Ion	Ratio	Lower	Upper
69	100		
41	78.8	59.3	88.9
39	47.3	36.2	54.2





#57

1,3-Dichloropropane

Concen: 52.090 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 200679

Ion Ratio Lower Upper

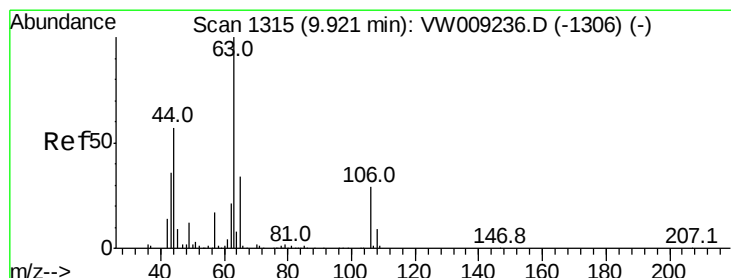
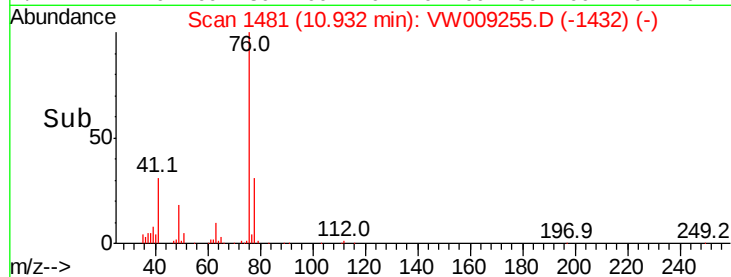
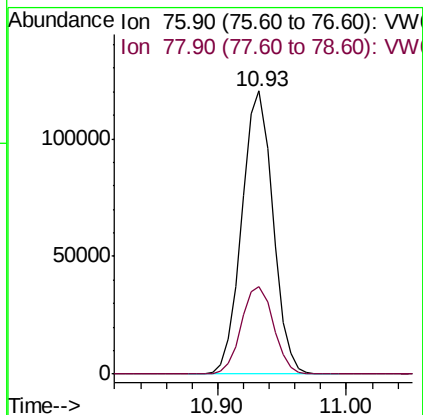
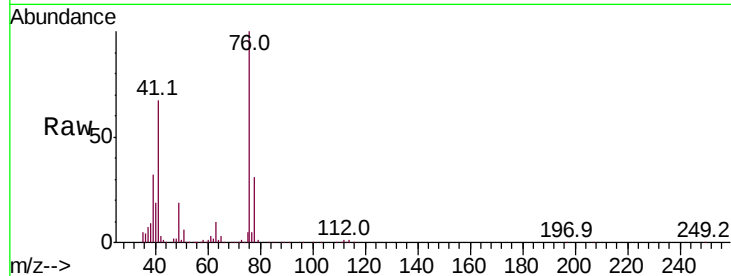
76 100

78 32.2 25.8 38.6

Manual Integrations
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3/22/2019 3:53:12 AM



#58

2-Chloroethyl Vinyl ether

Concen: 492.442 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009255.D

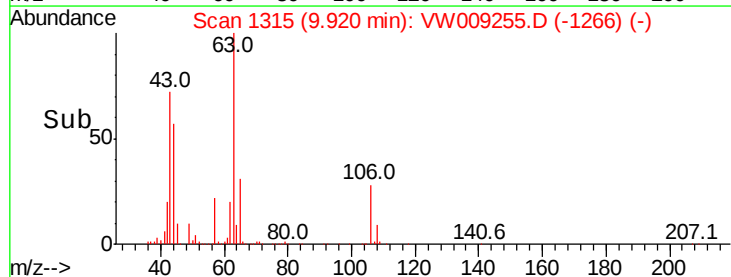
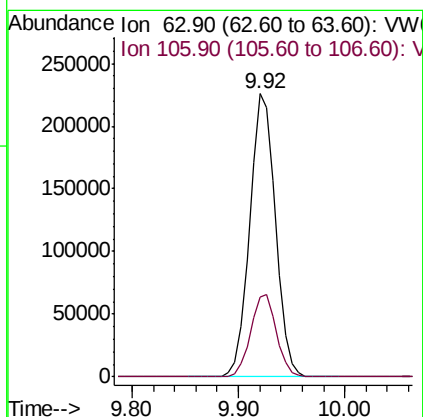
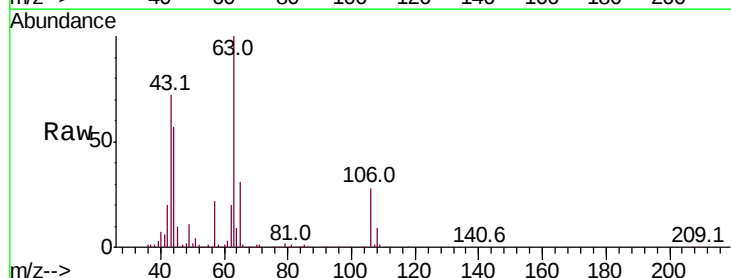
Acq: 19 Mar 2019 23:16

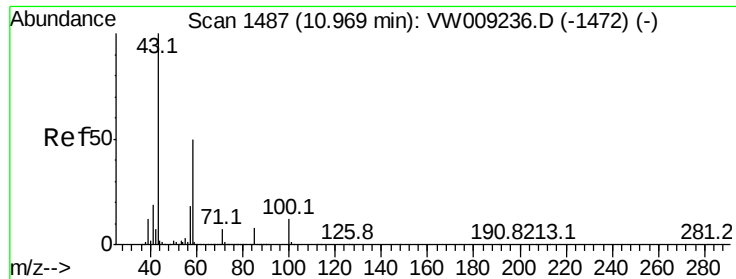
Tgt Ion: 63 Resp: 383233

Ion Ratio Lower Upper

63 100

106 29.0 22.9 34.3





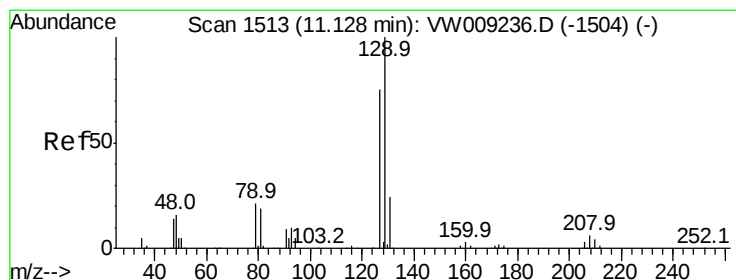
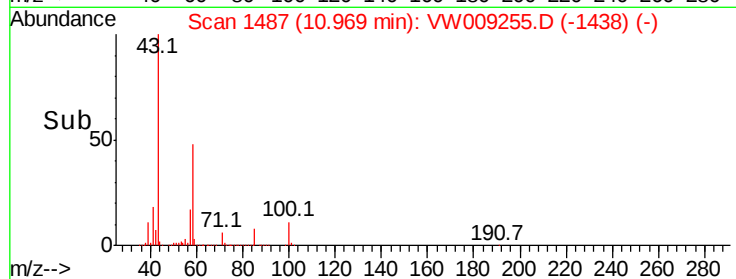
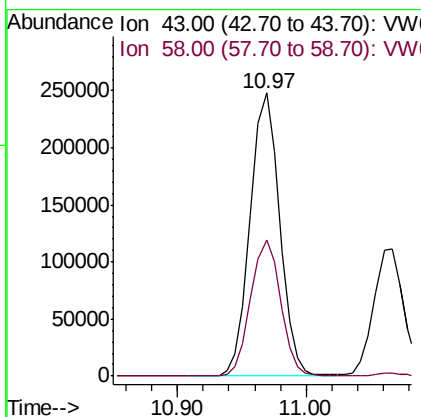
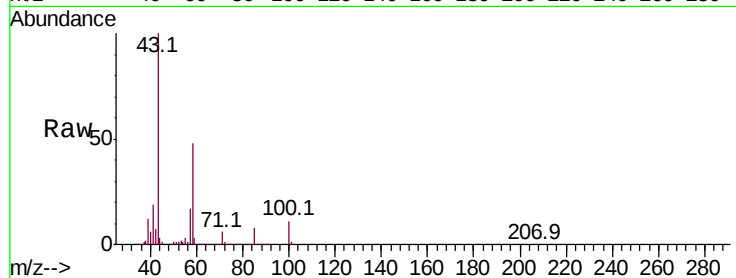
#59
2-Hexanone
Concen: 279.256 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.2	72.6

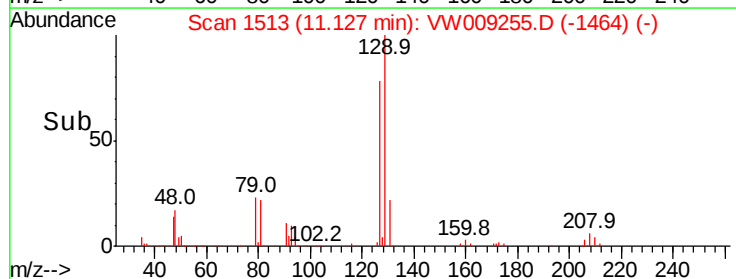
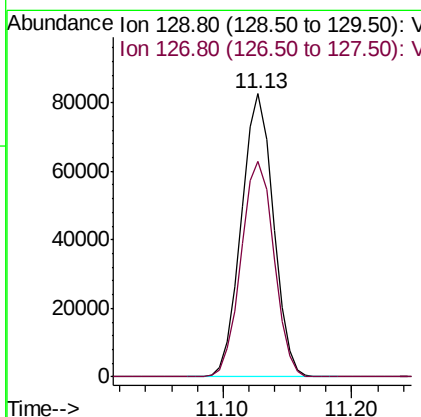
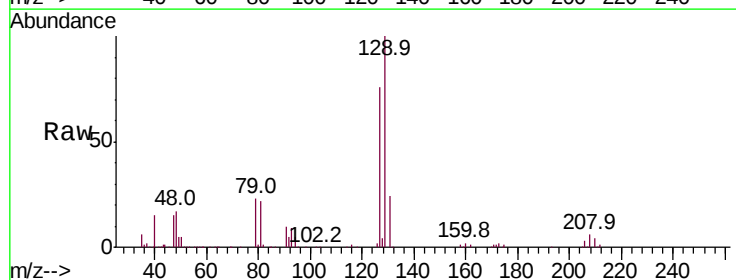
Manual Integrations
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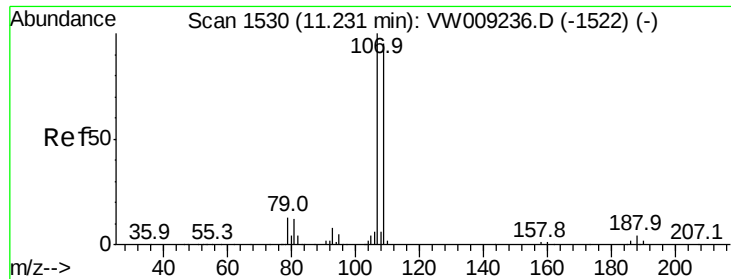
MMDadoda
3/22/2019 3:53:12 AM



#60
Dibromochloromethane
Concen: 51.451 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.1	114.5





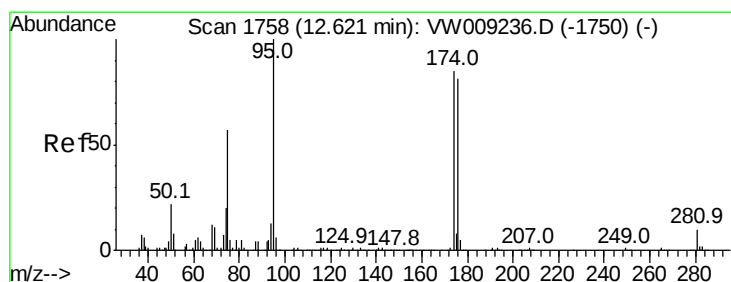
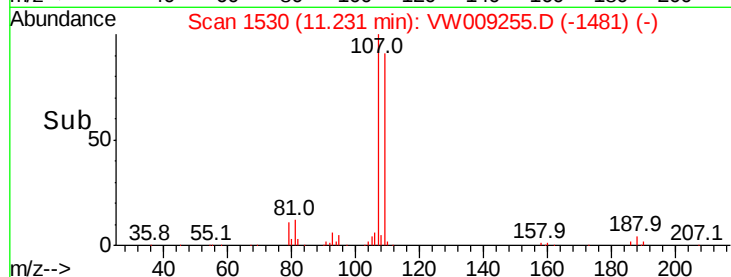
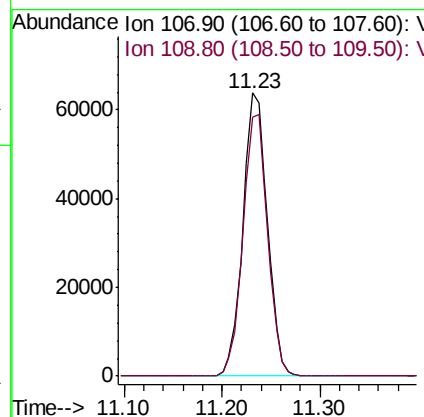
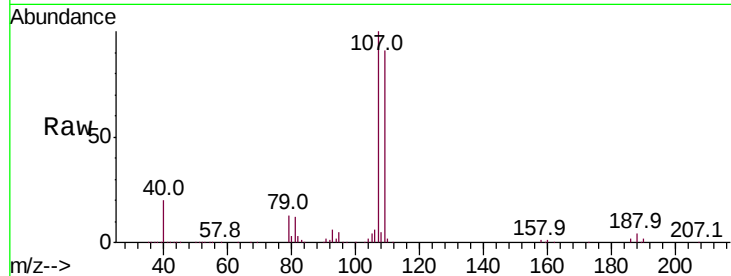
#61
 1,2-Dibromoethane
 Concen: 52.147 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.1	112.7

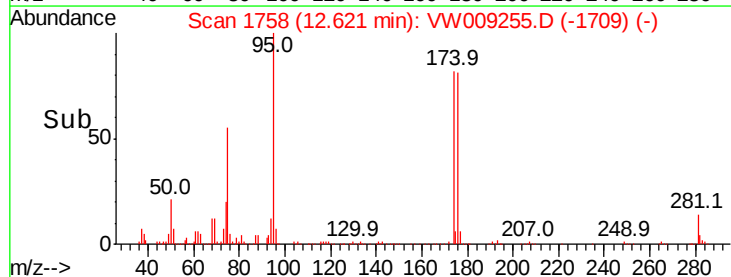
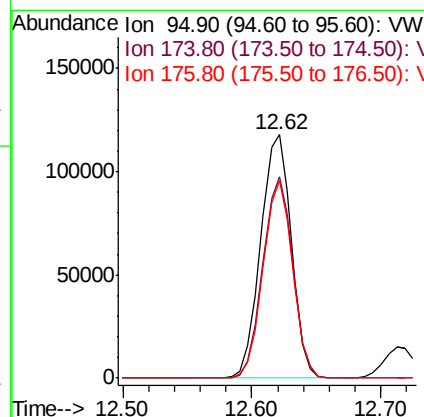
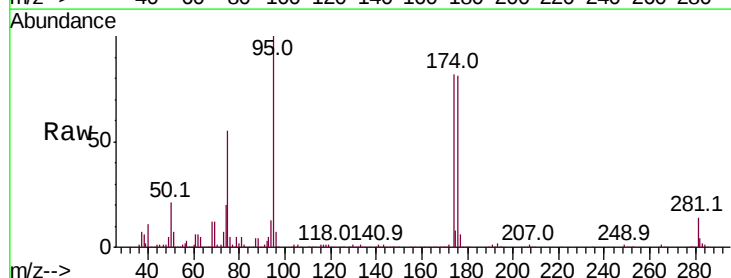
Manual Integrations
 APPROVED

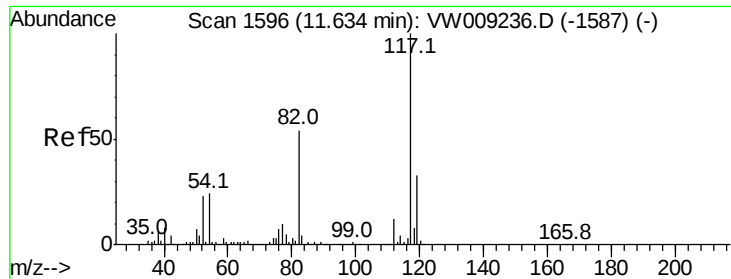
MMDadoda
 3/22/2019 3:53:12 AM



#62
 4-Bromofluorobenzene
 Concen: 52.163 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	168.4
176	78.4	0.0	161.6





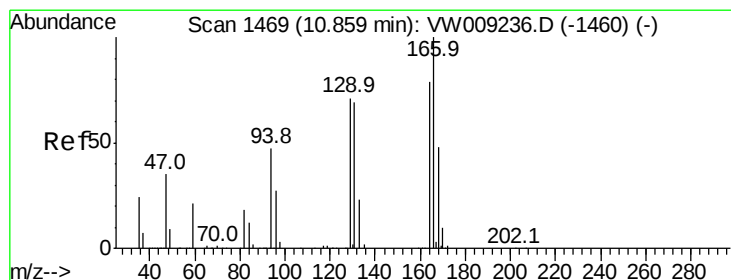
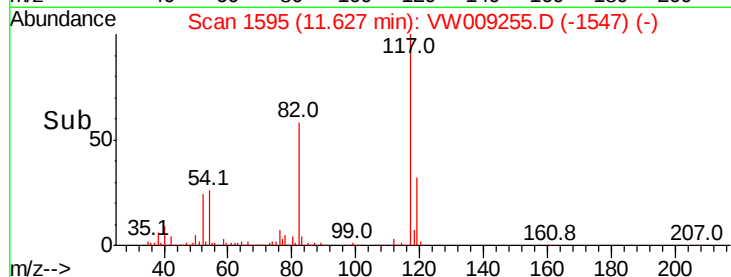
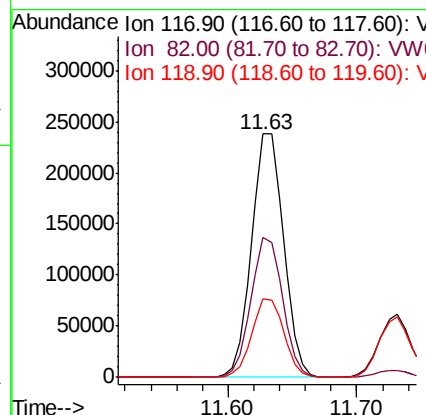
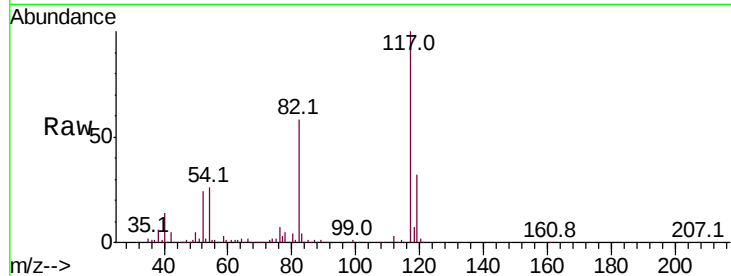
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	408371		
82	57.6		43.6	65.4
119	32.4		26.0	39.0

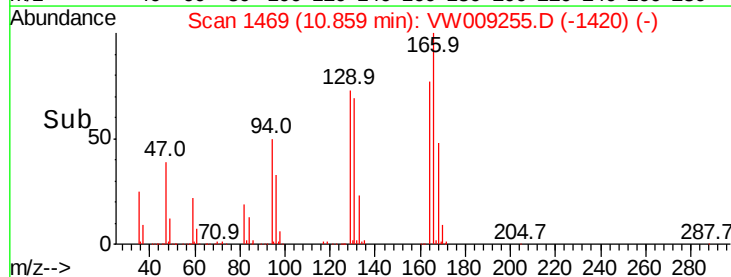
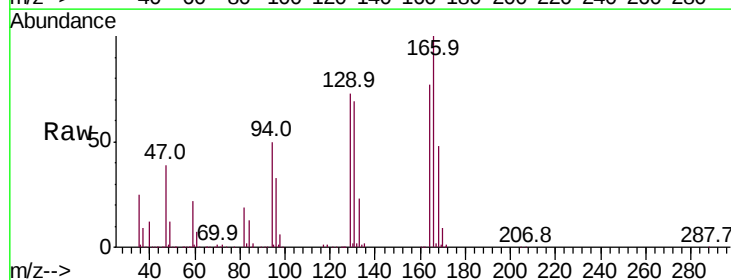
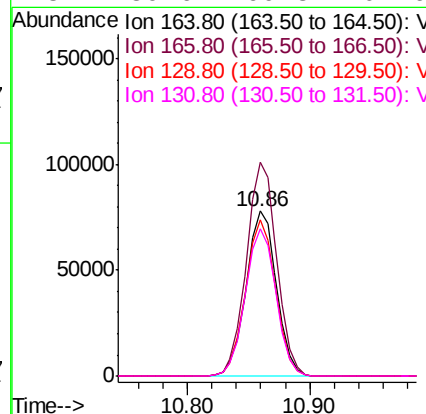
Manual Integrations
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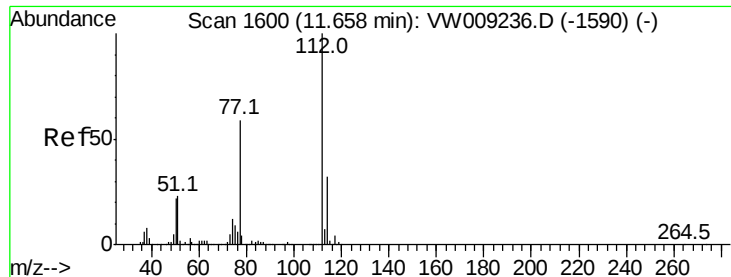
MMDadoda
3/22/2019 3:53:12 AM



#64
Tetrachloroethene
Concen: 47.964 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134142		
166	129.7		100.9	151.3
129	95.1		72.0	108.0
131	89.6		69.8	104.6





#65

Chlorobenzene

Concen: 49.132 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 414949

Ion Ratio Lower Upper

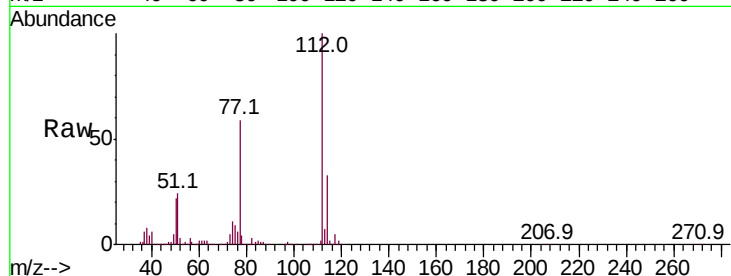
112 100

114 32.7 25.6 38.4

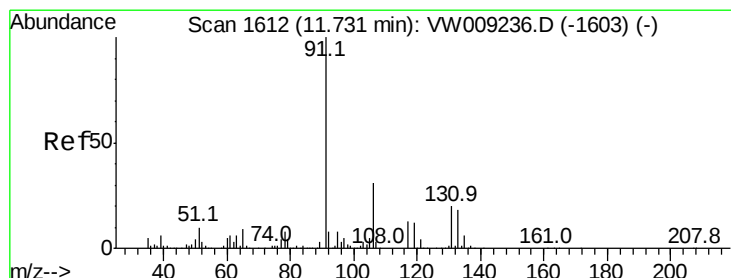
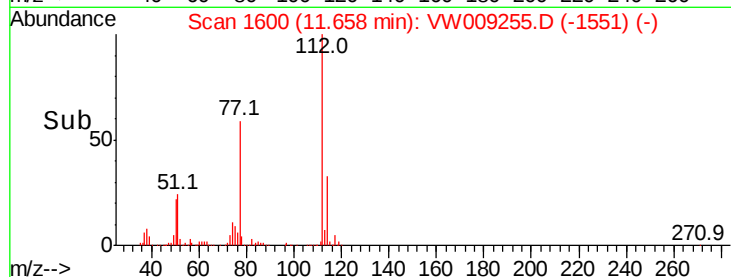
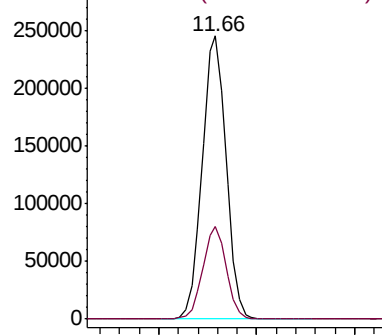
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.282 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

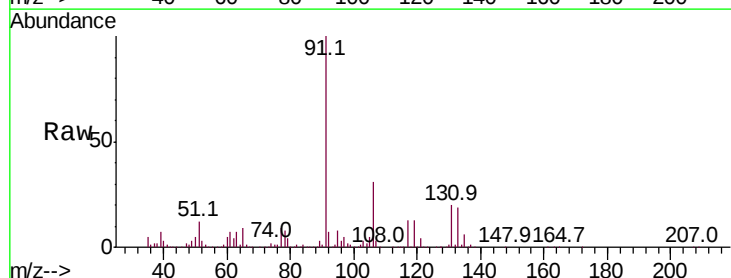
Tgt Ion:131 Resp: 155467

Ion Ratio Lower Upper

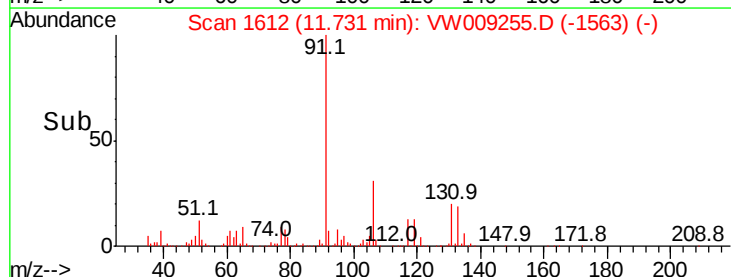
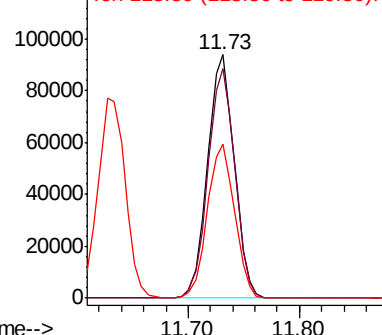
131 100

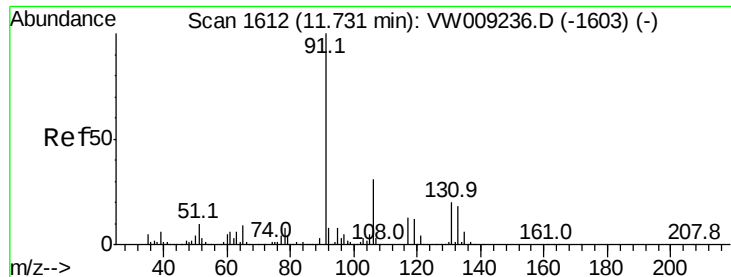
133 94.9 47.3 141.8

119 64.5 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V





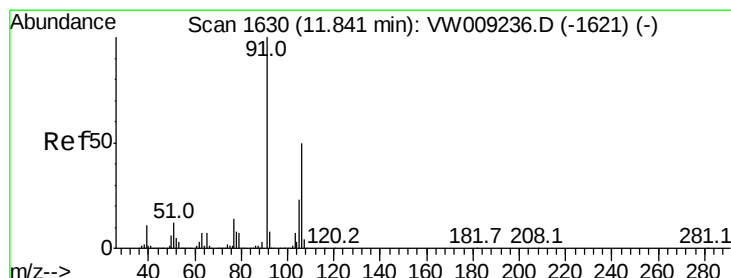
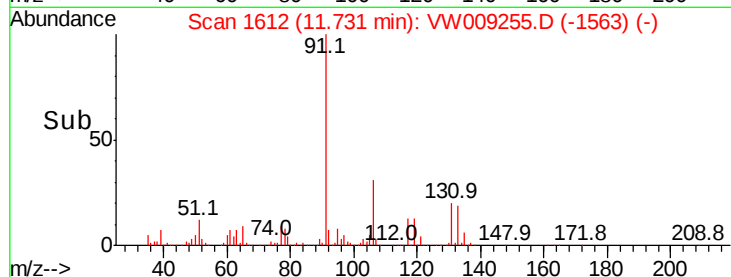
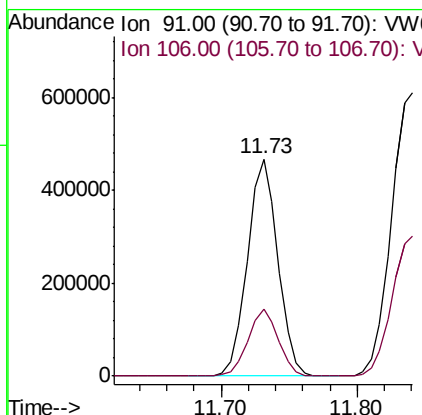
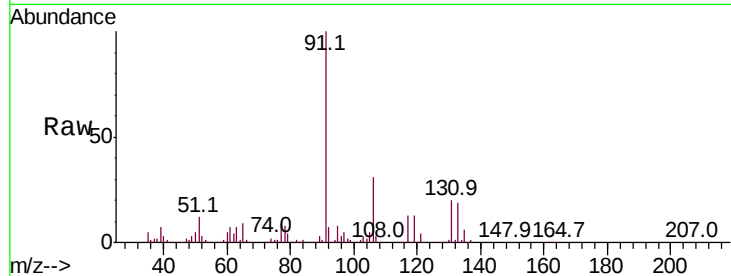
#67
Ethyl Benzene
Concen: 50.067 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 732387
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

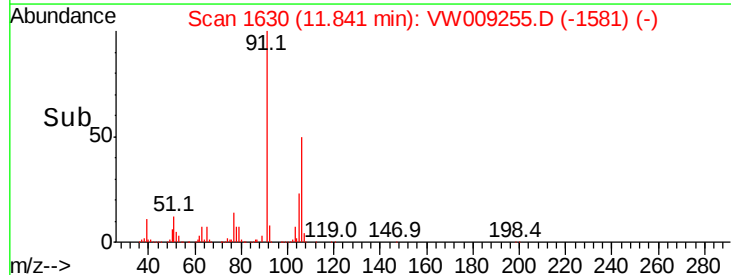
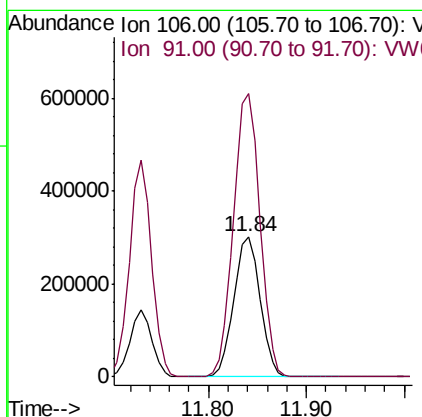
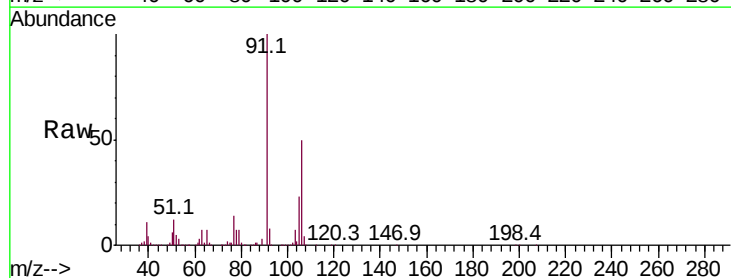
Manual Integrations
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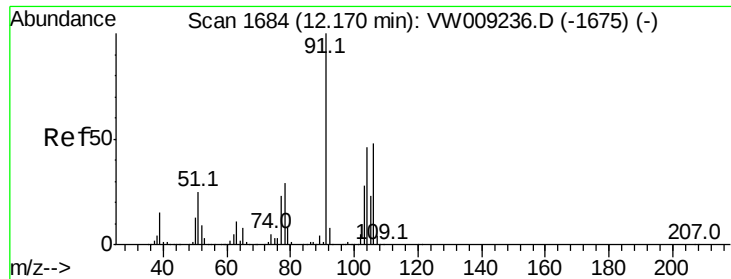
MMDadoda
3/22/2019 3:53:12 AM



#68
m/p-Xylenes
Concen: 99.363 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion: 106 Resp: 563383
Ion Ratio Lower Upper
106 100
91 204.3 163.1 244.7





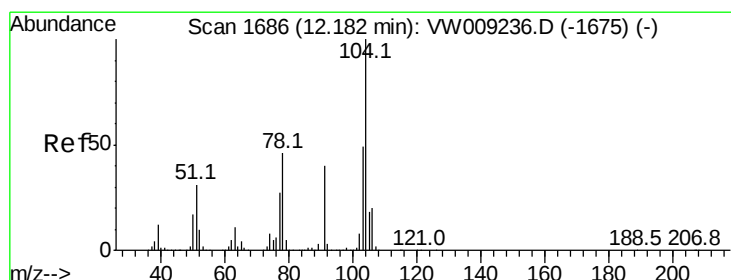
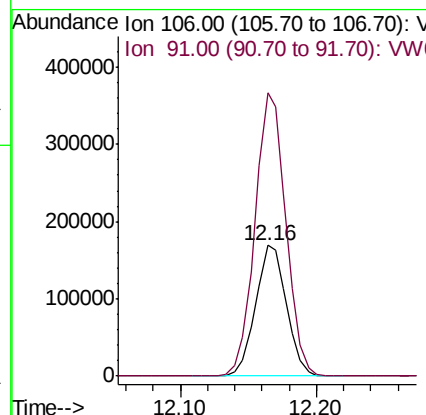
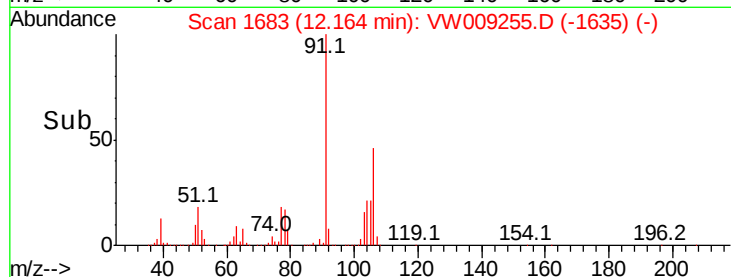
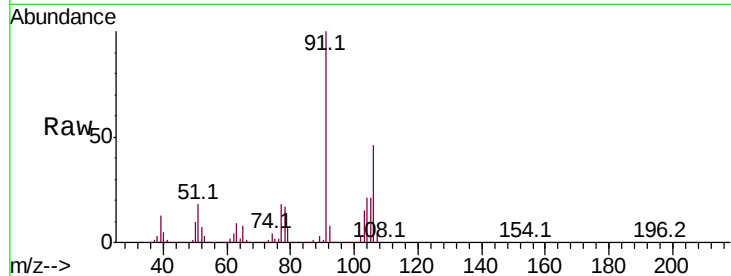
#69
o-Xylene
Concen: 51.190 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 269524
Ion Ratio Lower Upper
106 100
91 216.7 108.6 325.8

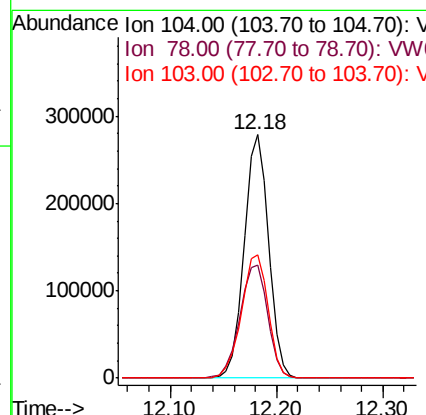
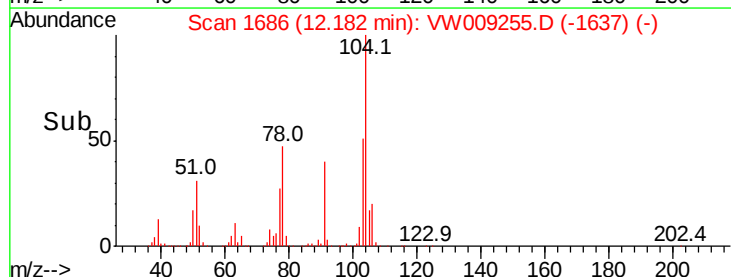
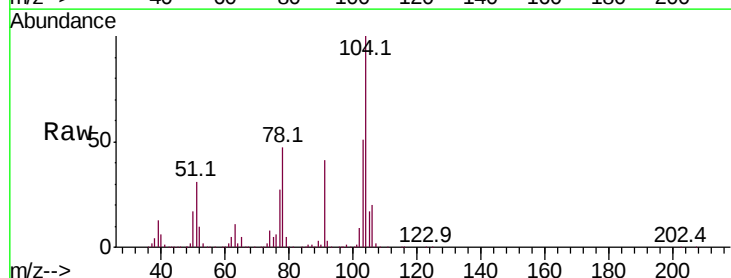
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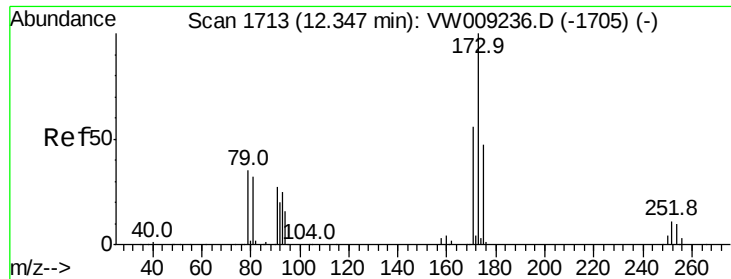
MMDadoda
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#70
Styrene
Concen: 51.993 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion:104 Resp: 451363
Ion Ratio Lower Upper
104 100
78 52.6 42.2 63.4
103 55.7 44.6 66.8





#71

Bromoform

Concen: 50.852 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 87623

Ion Ratio Lower Upper

173 100

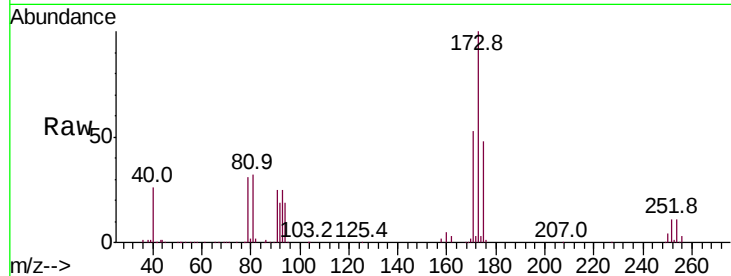
175 47.8 24.1 72.4

254 0.2 0.2 0.4#

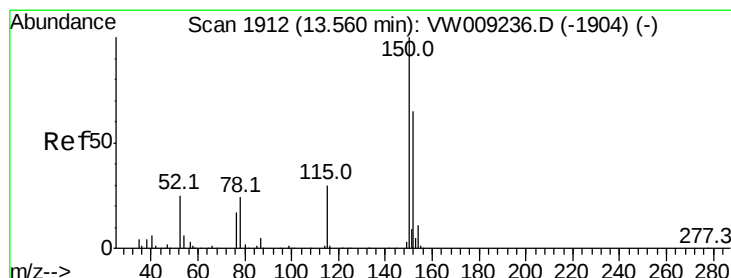
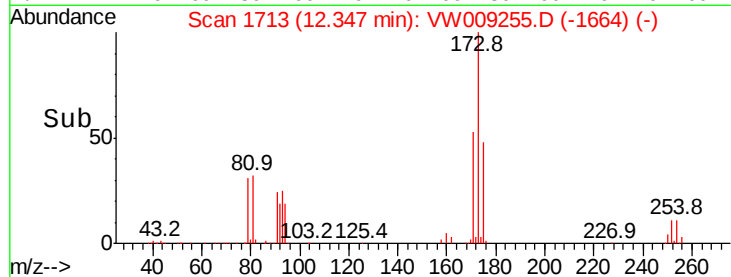
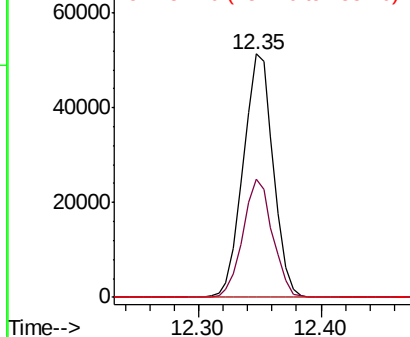
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

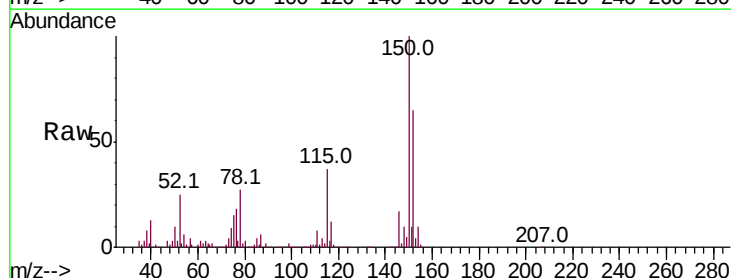
Tgt Ion:152 Resp: 223826

Ion Ratio Lower Upper

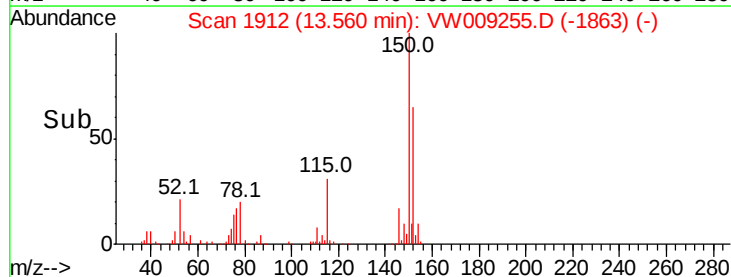
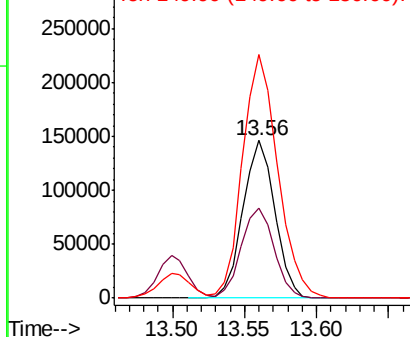
152 100

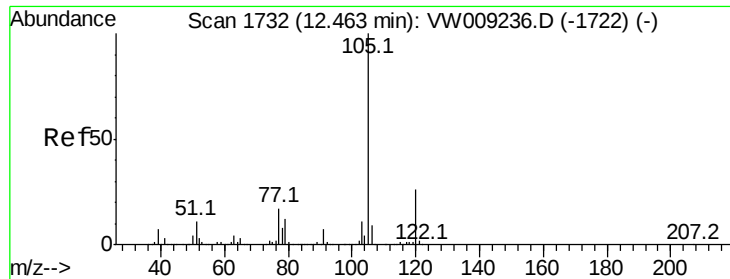
115 58.9 29.6 88.8

150 171.1 0.0 349.2



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





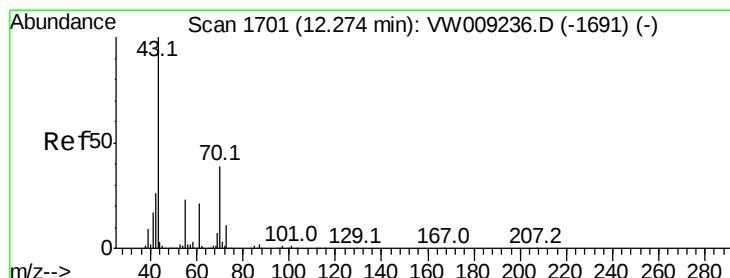
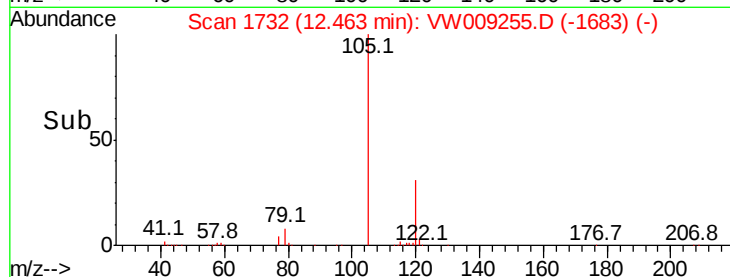
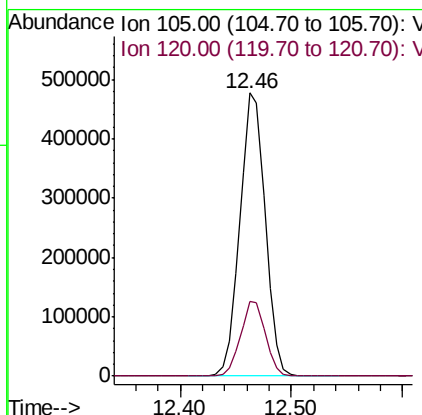
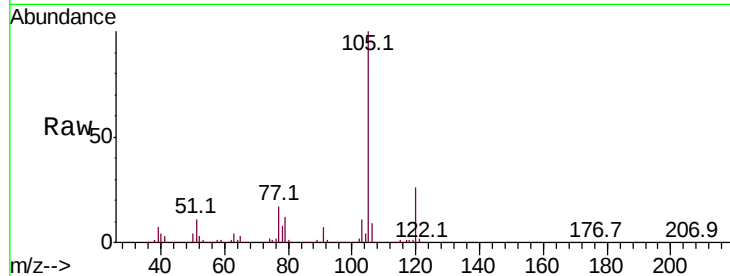
#73
Isopropylbenzene
Concen: 50.266 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.0	39.0

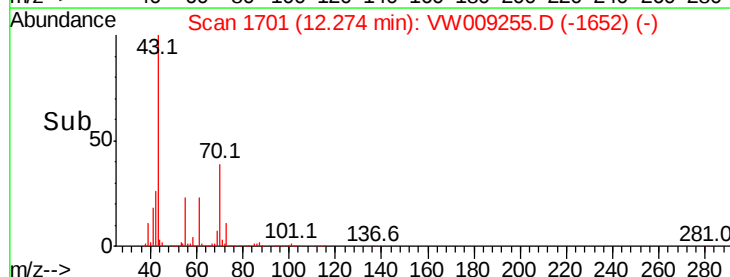
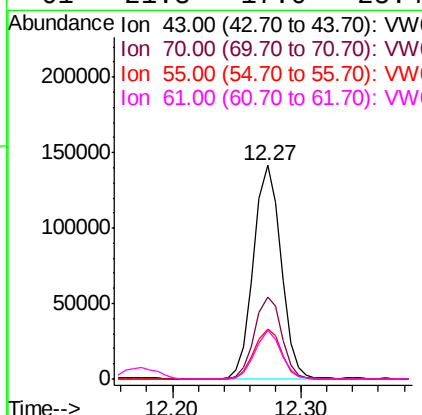
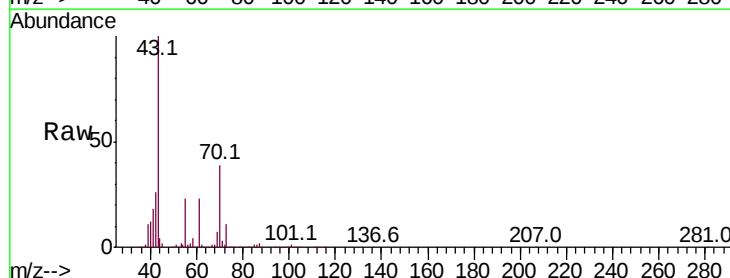
Manual Integrations
APPROVED

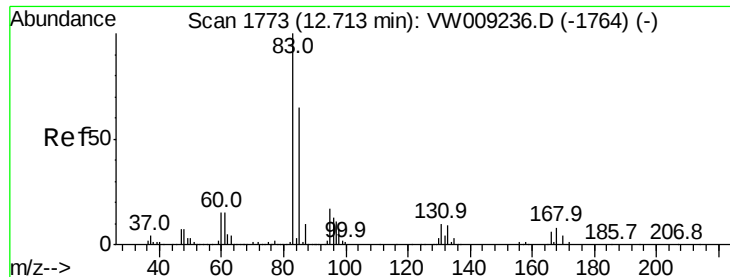
MMDadoda
3/22/2019 3:53:12 AM



#74
N-ethyl acetate
Concen: 53.572 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.6	46.0
55	23.6	19.3	28.9
61	21.8	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.369 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Instrument :

MSVOA_W

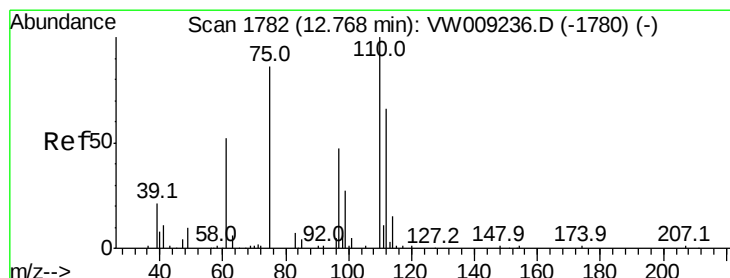
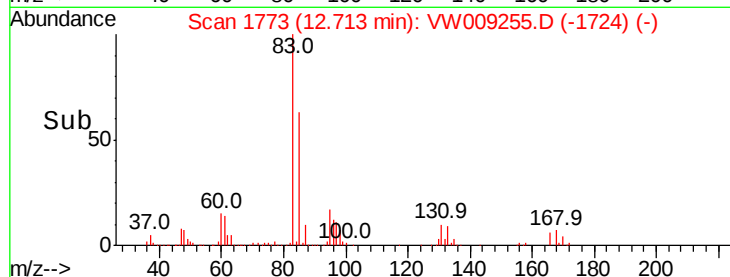
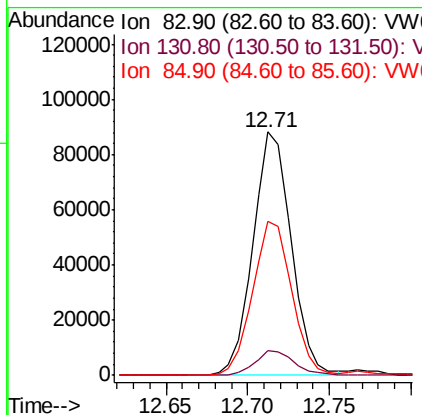
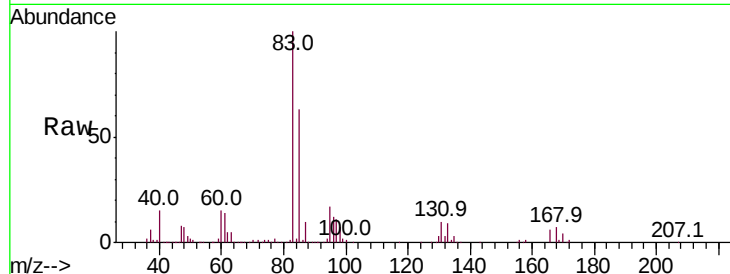
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	143754
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	64.3	32.6	97.8

Manual Integrations
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MMDadoda
3/22/2019 3:53:12 AM



#76

1,2,3-Trichloropropane

Concen: 48.435 ug/l m

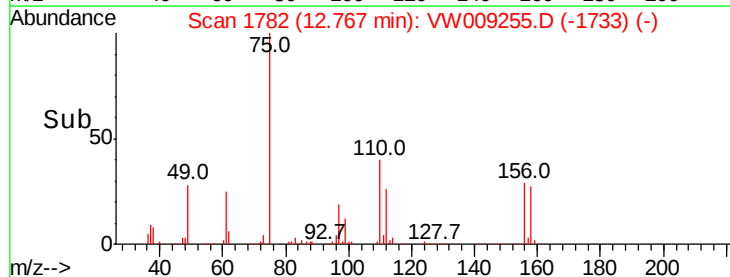
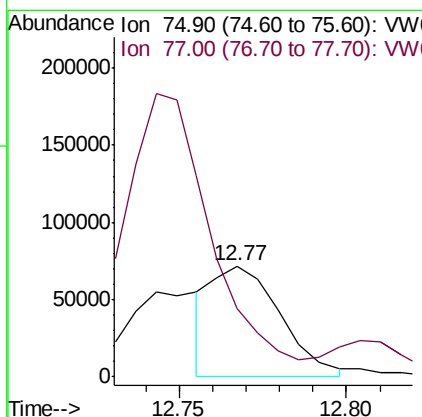
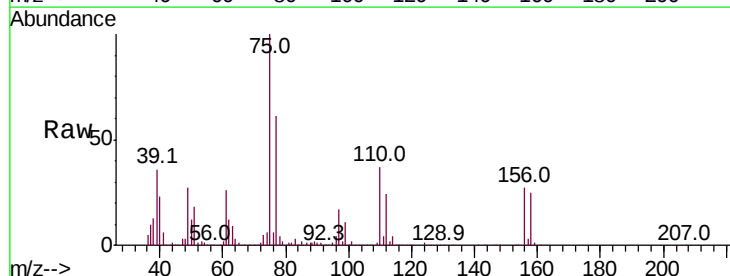
RT: 12.77 min Scan# 1782

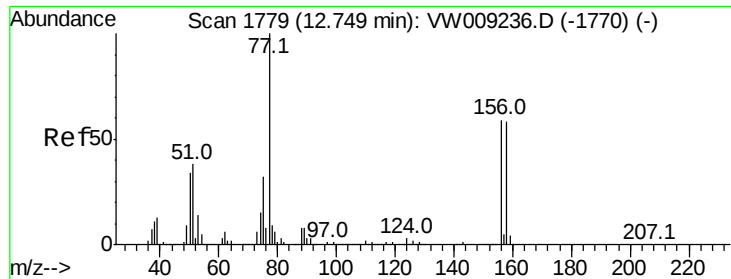
Delta R.T. -0.00 min

Lab File: VW009255.D

Acq: 19 Mar 2019 23:16

Tgt Ion:	75	Resp:	101877
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





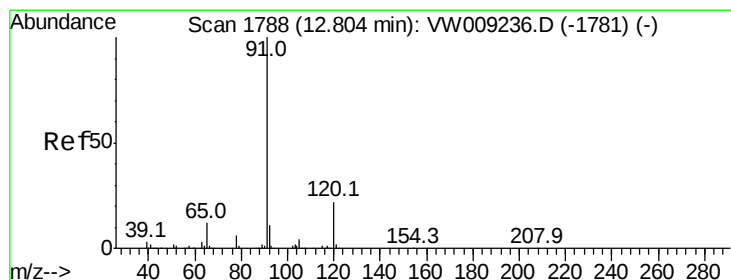
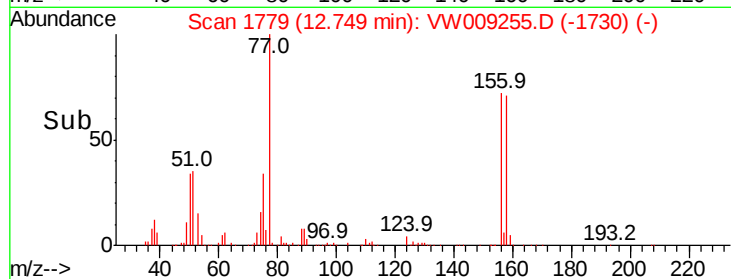
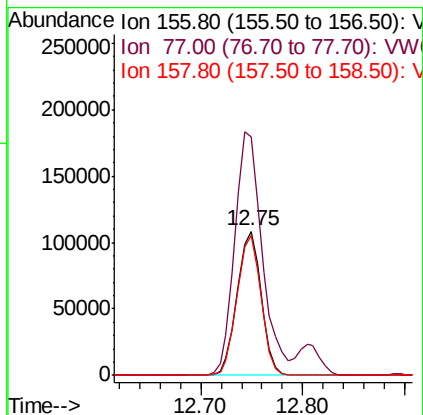
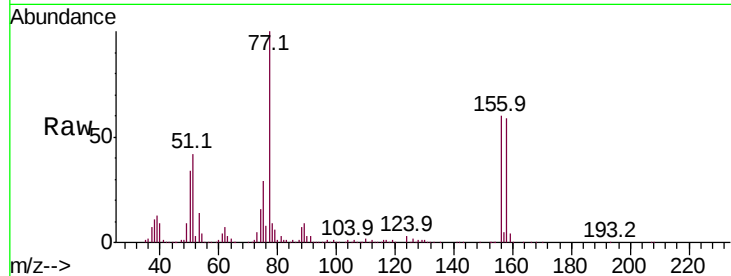
#77
Bromobenzene
Concen: 49.959 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	191.6	96.0	288.0
158	95.8	49.1	147.3

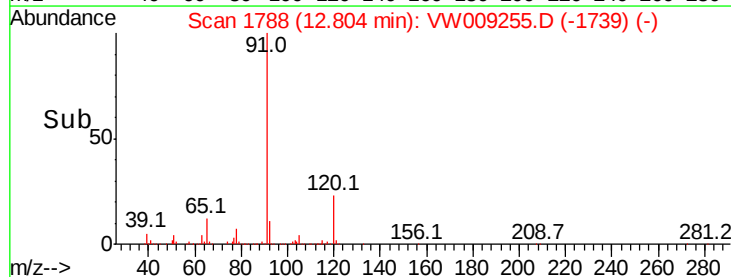
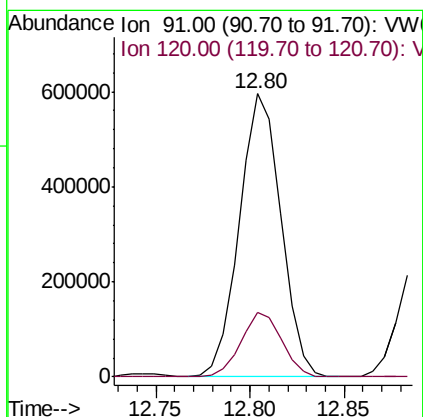
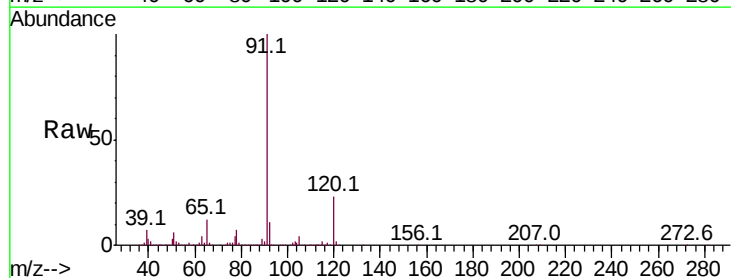
Manual Integrations
APPROVED

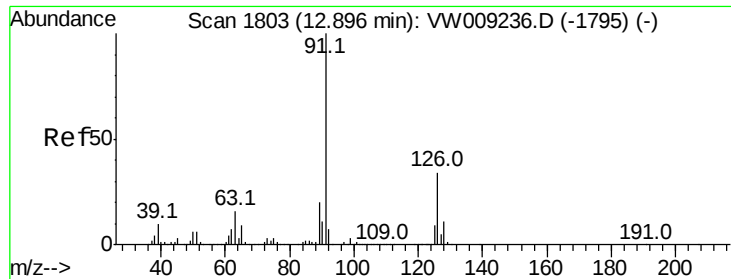
MMDadoda
3/22/2019 3:53:12 AM



#78
n-propylbenzene
Concen: 49.456 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3





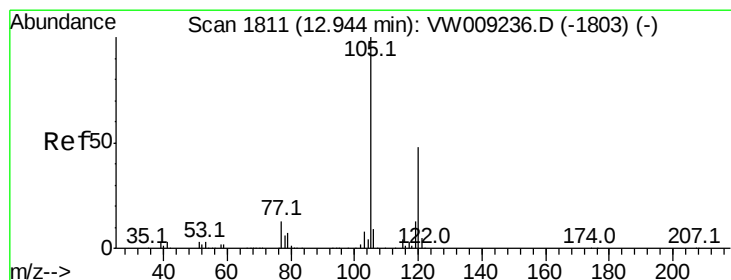
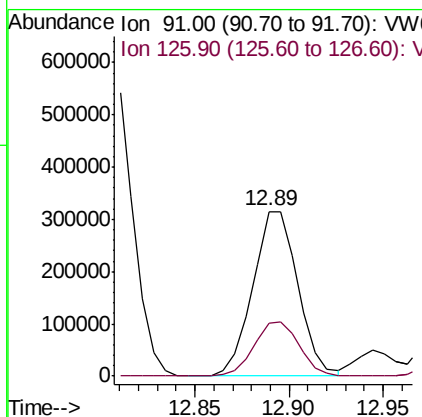
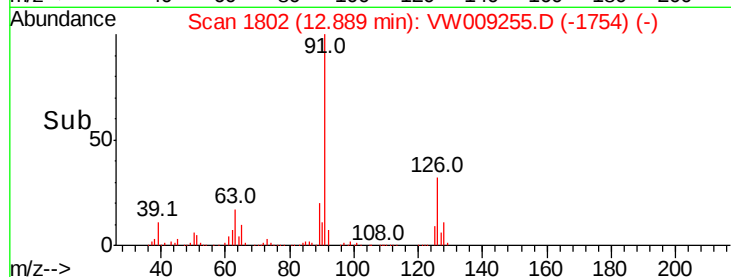
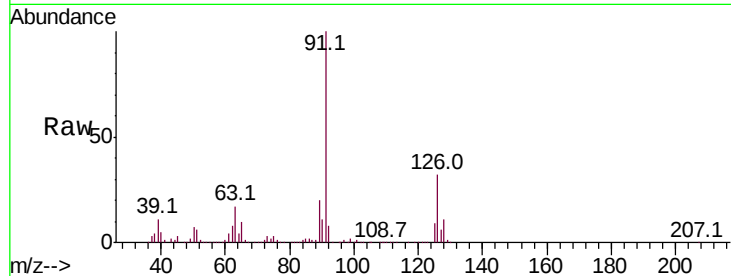
#79
2-Chlorotoluene
Concen: 50.115 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 523081
Ion Ratio Lower Upper
91 100
126 33.0 17.0 51.0

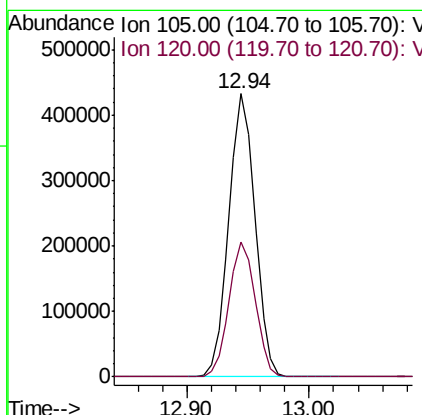
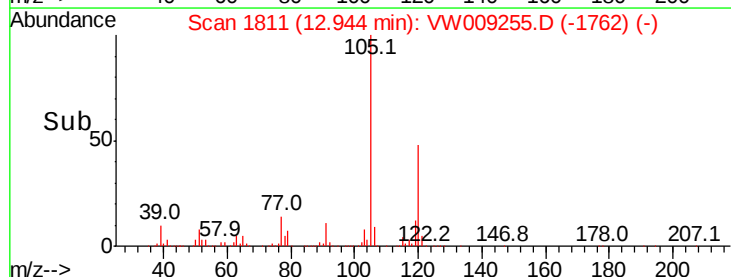
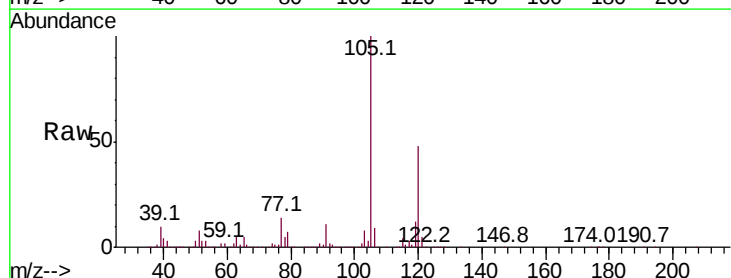
Manual Integrations
APPROVED

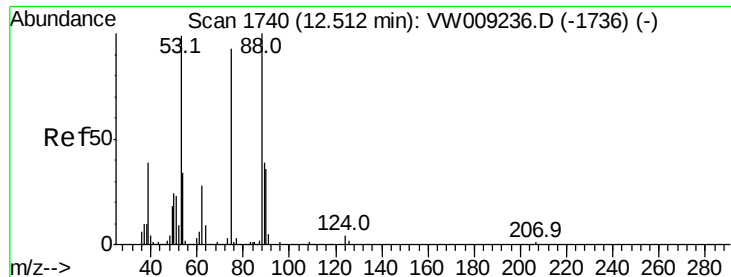
MMDadoda
3/22/2019 3:53:12 AM



#80
1,3,5-Trimethylbenzene
Concen: 50.447 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion:105 Resp: 641806
Ion Ratio Lower Upper
105 100
120 48.0 24.6 74.0





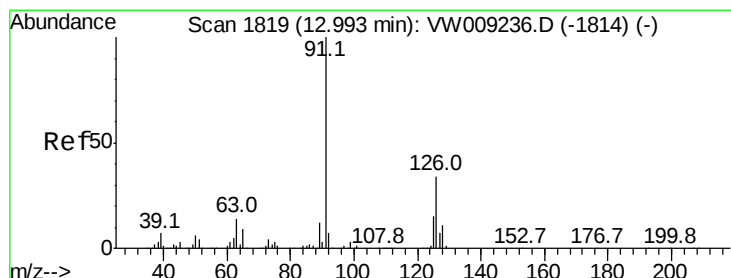
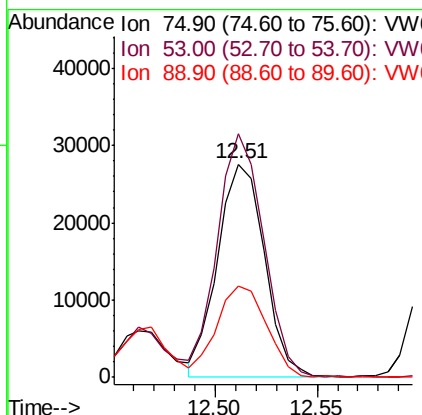
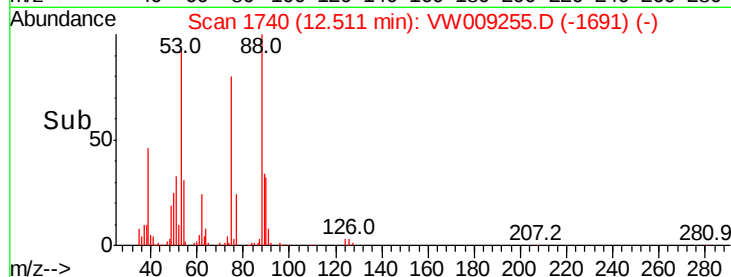
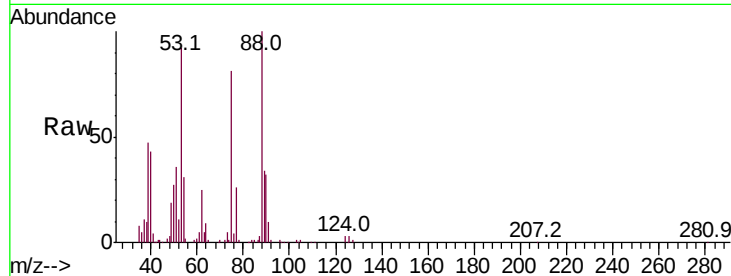
#81
trans-1,4-Dichloro-2-butene
Concen: 50.831 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	43573
Ion	Ratio	Lower	Upper
75	100		
53	113.2	86.7	130.1
89	46.4	36.4	54.6

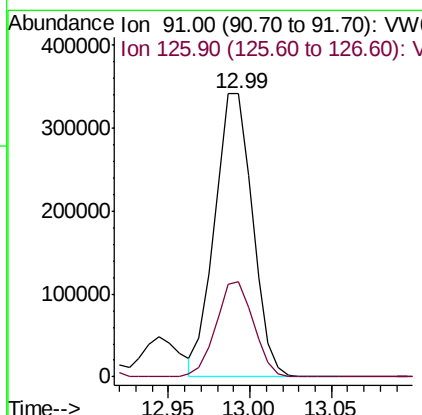
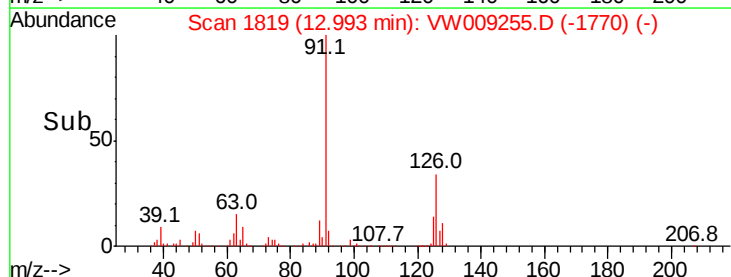
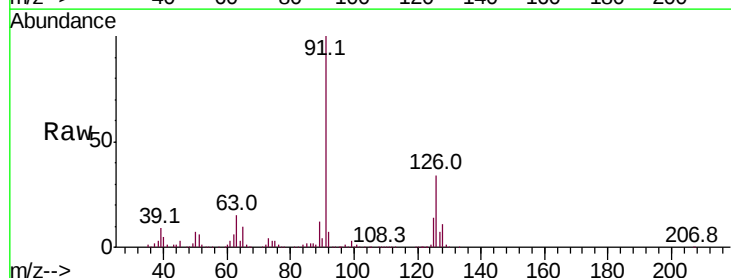
Manual Integrations
APPROVED

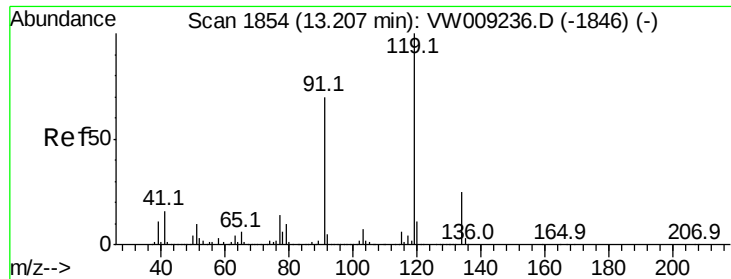
MMDadoda
3/22/2019 3:53:12 AM



#82
4-Chlorotoluene
Concen: 50.243 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	91	Resp	552467
Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.9	50.6





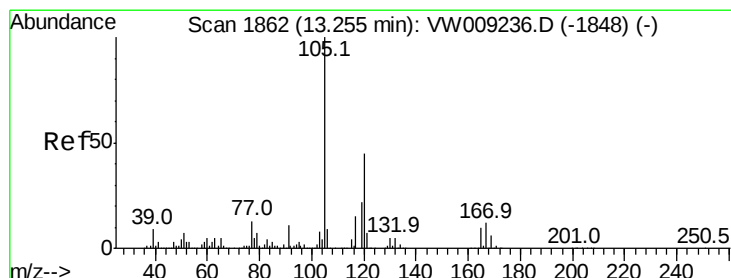
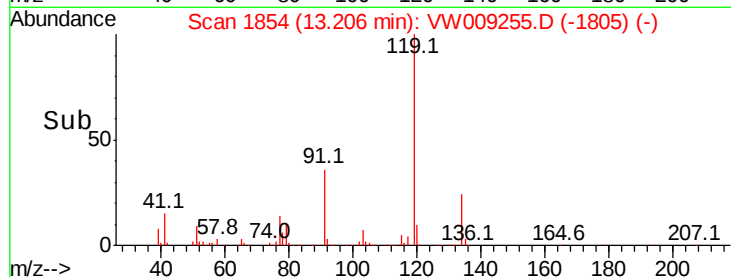
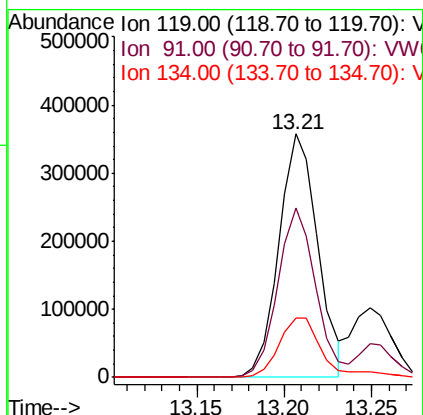
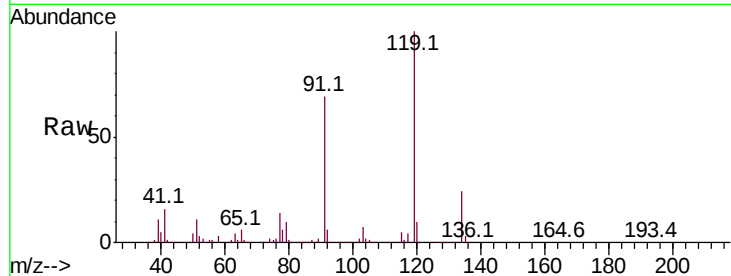
#83
tert-Butylbenzene
Concen: 51.018 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.4	103.2
134	27.5	12.7	38.1

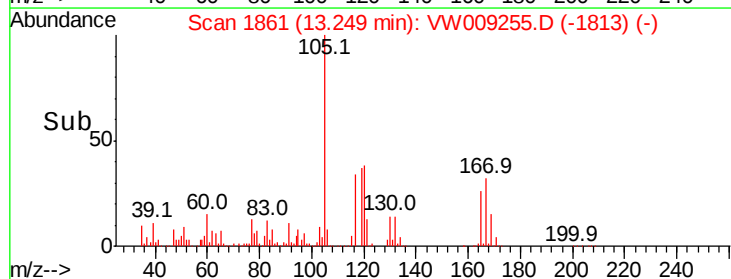
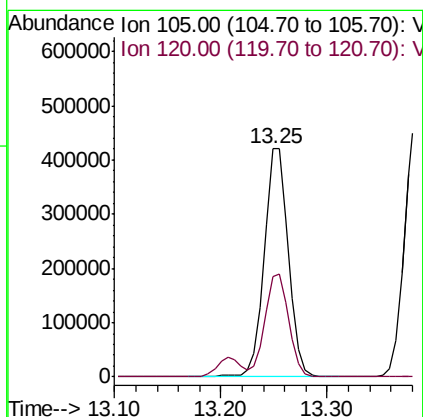
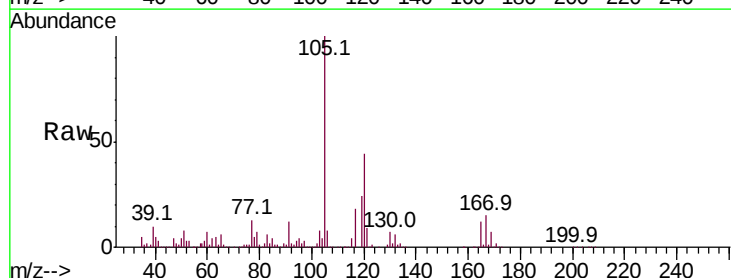
Manual Integrations
APPROVED

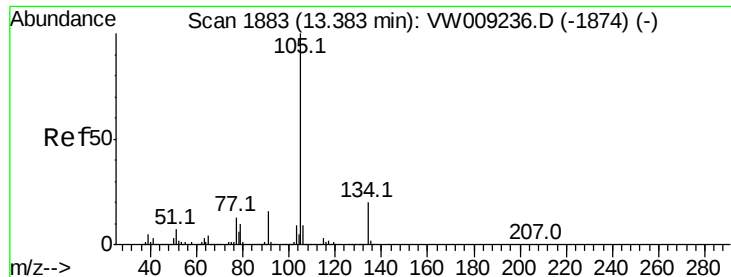
MMDadoda
3/22/2019 3:53:12 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.147 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.8	68.3





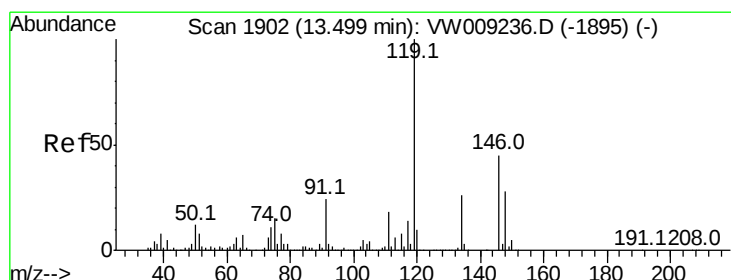
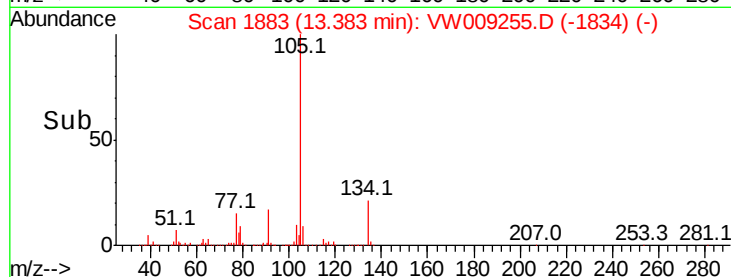
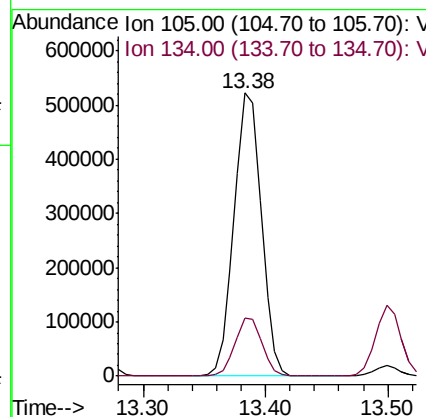
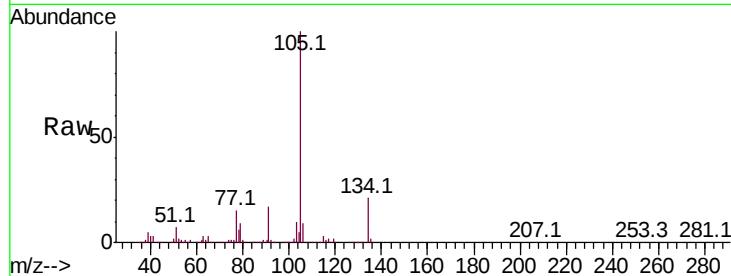
#85
 sec-Butylbenzene
 Concen: 50.129 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.6

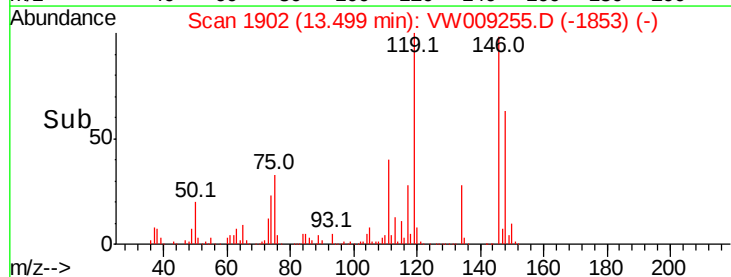
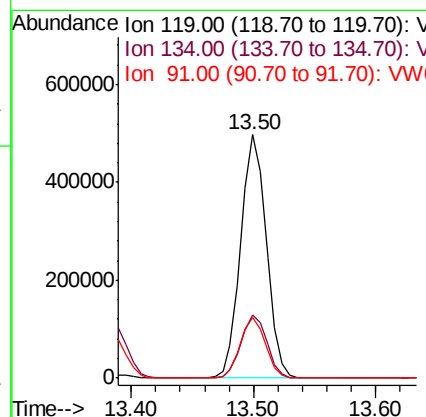
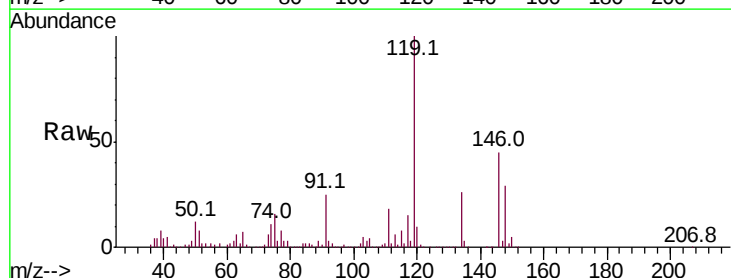
Manual Integrations
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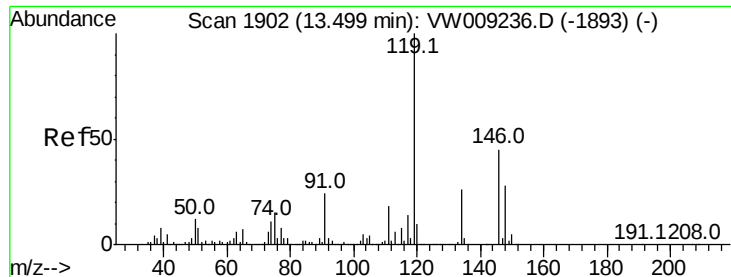
MMDadoda
 3/22/2019 3:53:12 AM



#86
 p-Isopropyltoluene
 Concen: 50.255 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	24.6	12.3	36.8





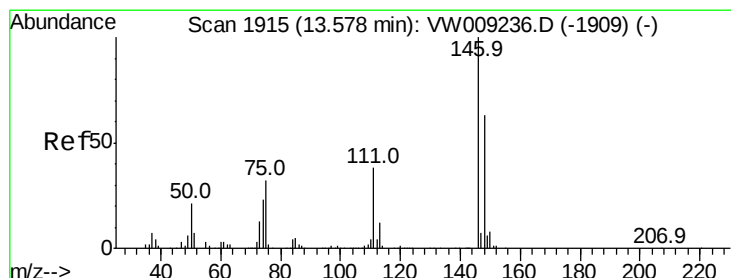
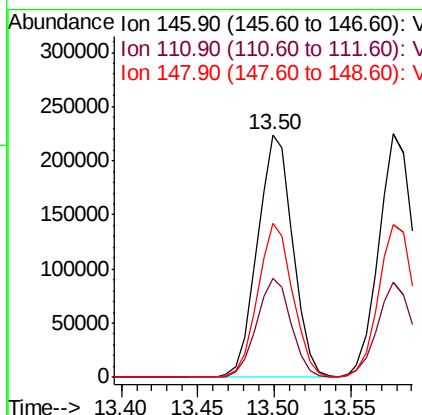
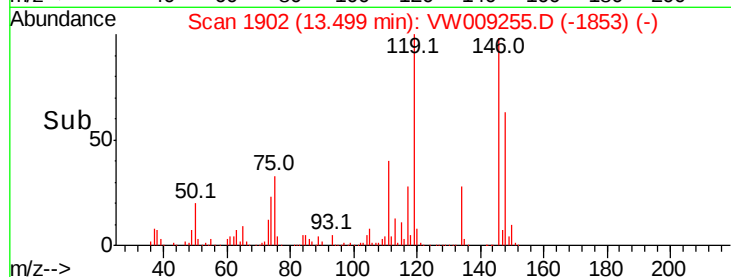
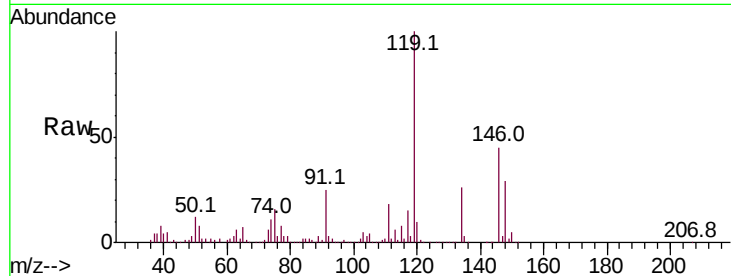
#87
 1,3-Dichlorobenzene
 Concen: 49.040 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	359613		
111	40.0		20.1	60.2
148	62.8		31.4	94.3

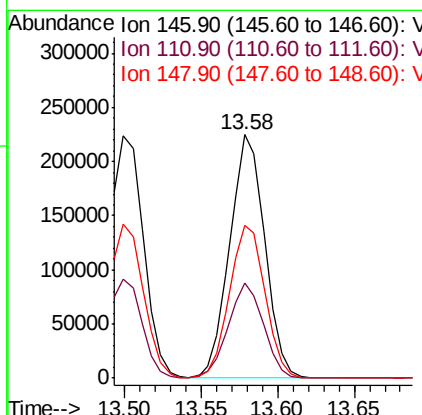
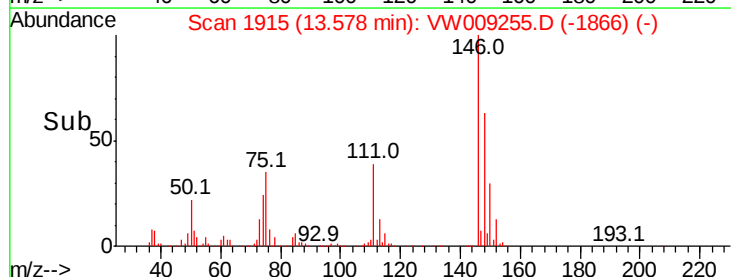
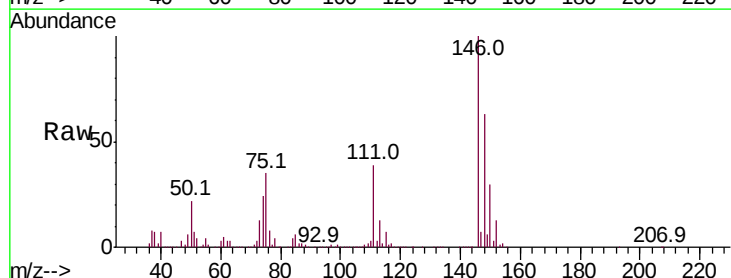
Manual Integrations
 APPROVED

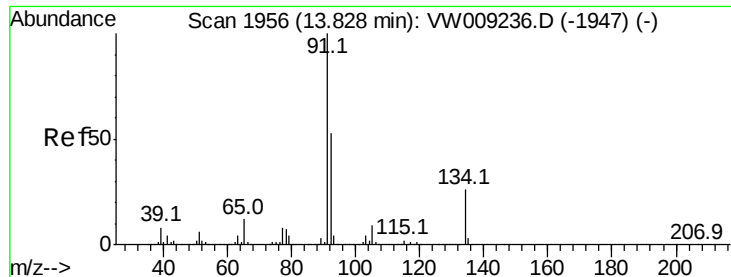
MMDadoda
 3/22/2019 3:53:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.817 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	356432		
111	39.4		19.9	59.6
148	63.9		32.2	96.6





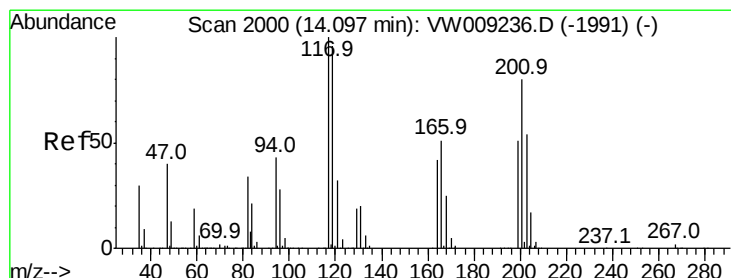
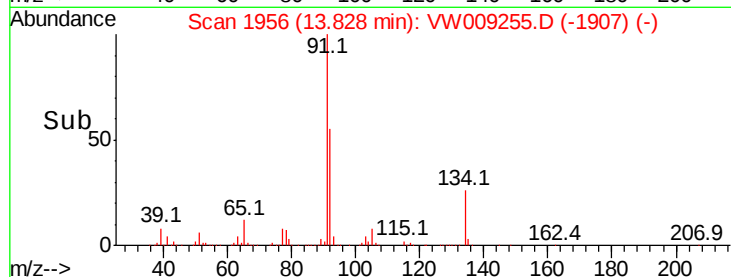
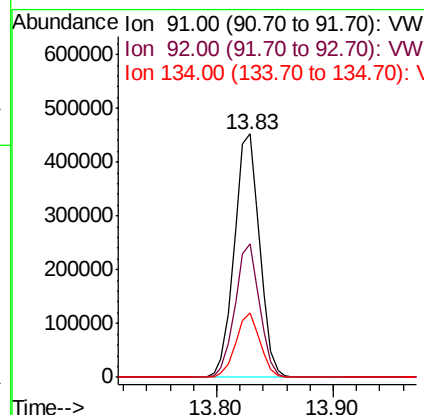
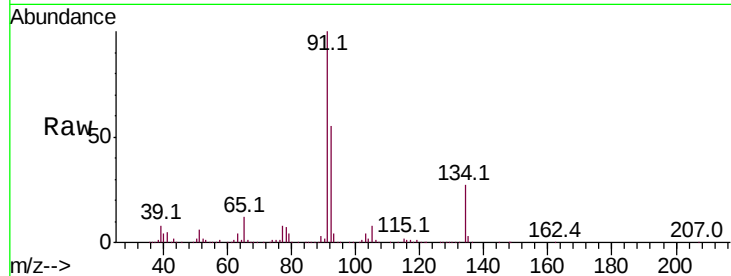
#89
n-Butylbenzene
Concen: 49.591 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.4	79.0
134	25.5	12.9	38.6

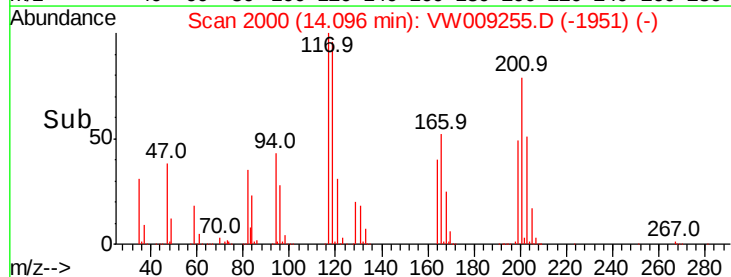
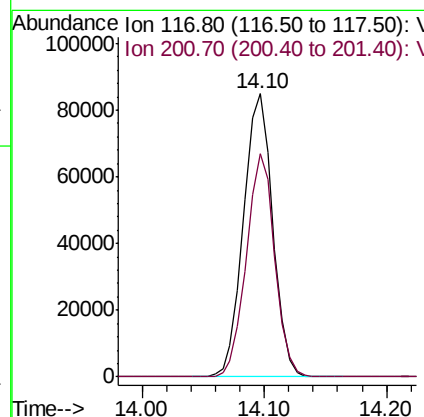
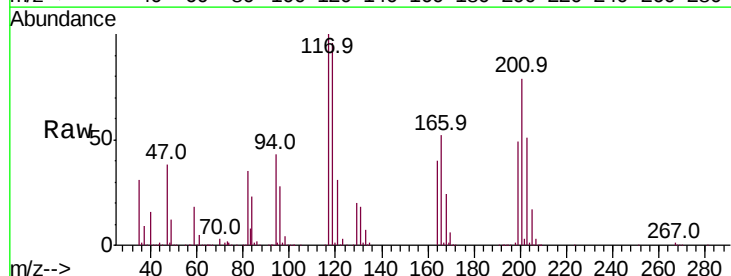
Manual Integrations
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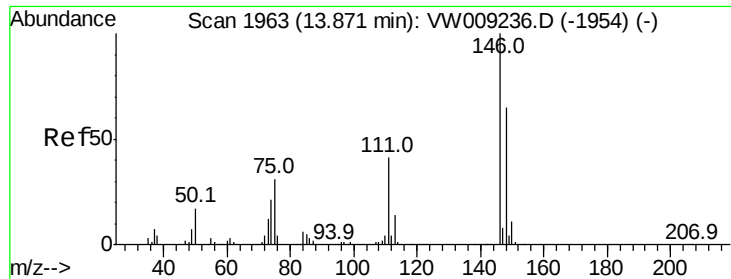
MMDadoda
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#90
Hexachloroethane
Concen: 49.825 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.6	38.2	114.6





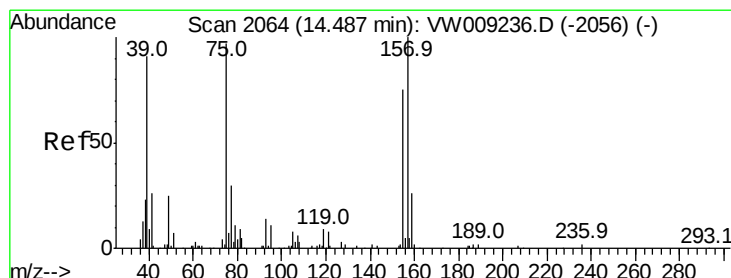
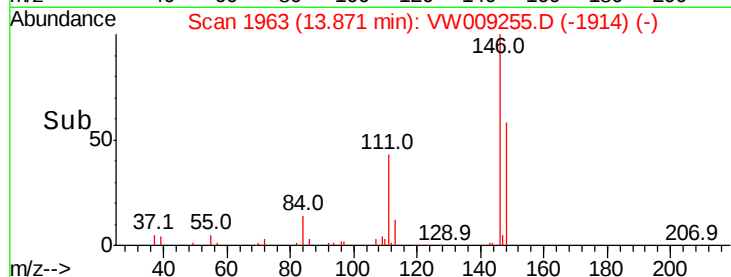
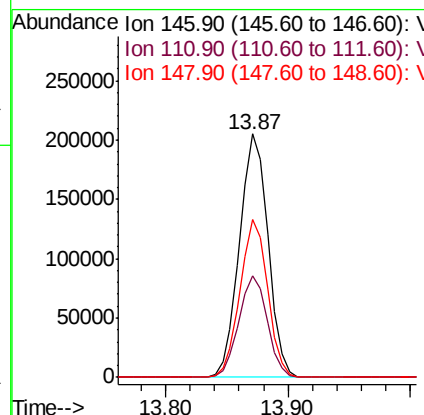
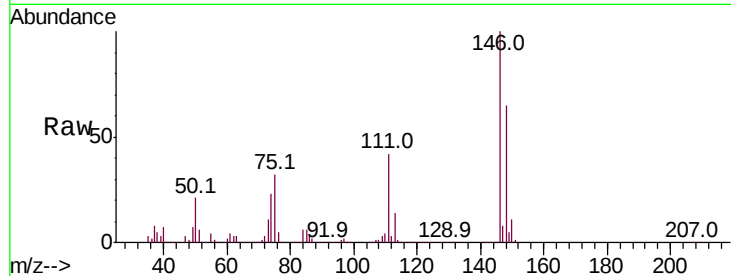
#91
 1,2-Dichlorobenzene
 Concen: 50.258 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.2
148	63.2	31.9	95.9

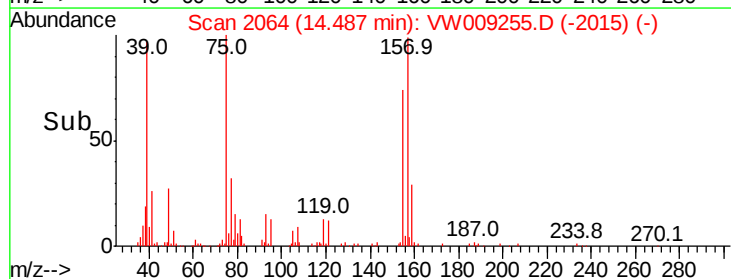
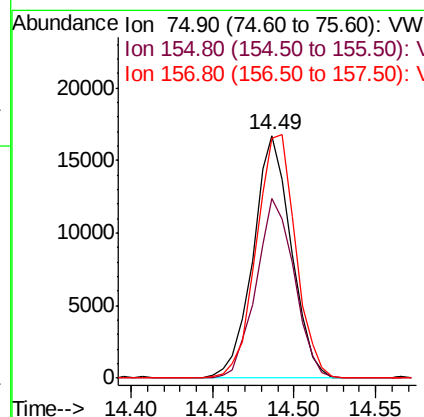
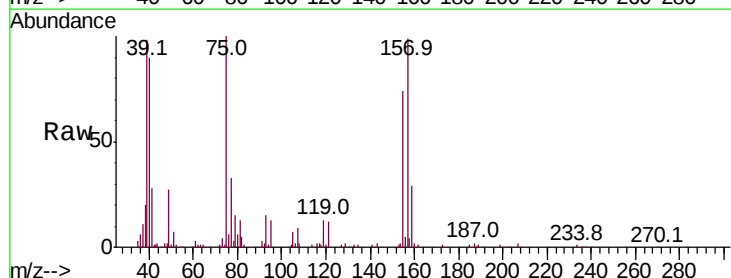
Manual Integrations
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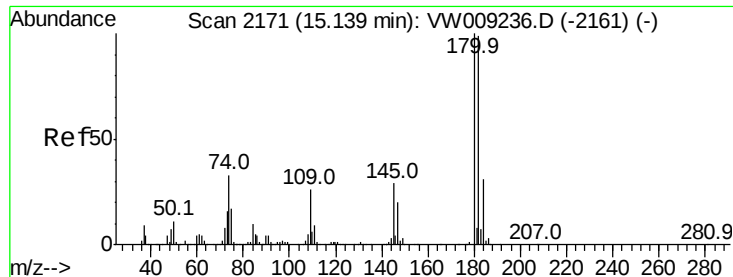
MMDadoda
 3/22/2019 3:53:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.012 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009255.D
 Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	39.3	117.8
157	103.2	49.5	148.5





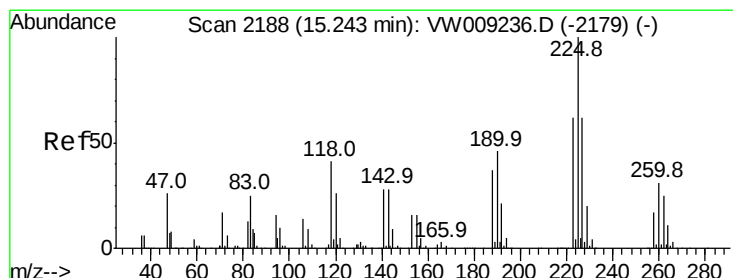
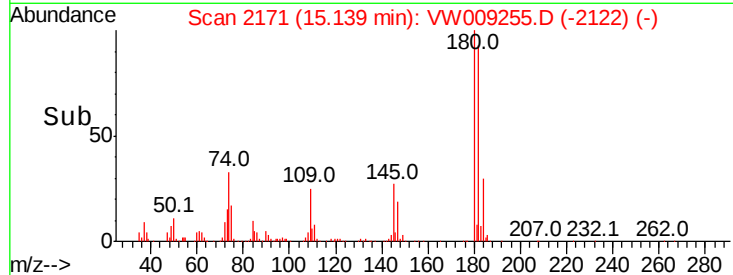
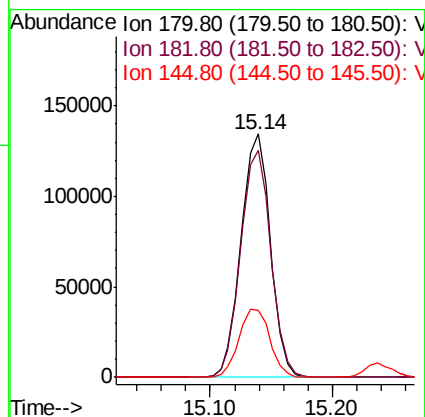
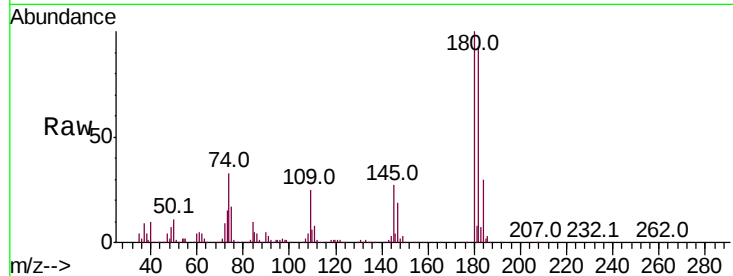
#93
1,2,4-Trichlorobenzene
Concen: 50.760 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	224163		
182	95.8	47.9	143.7	
145	29.5	15.0	45.0	

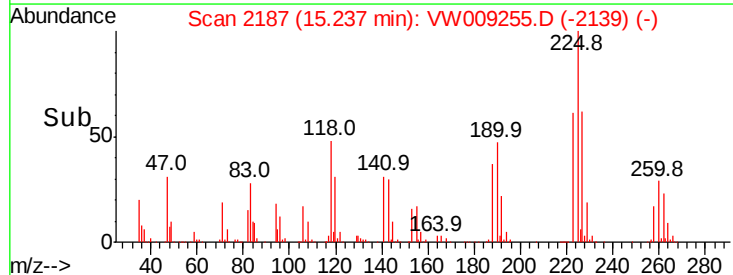
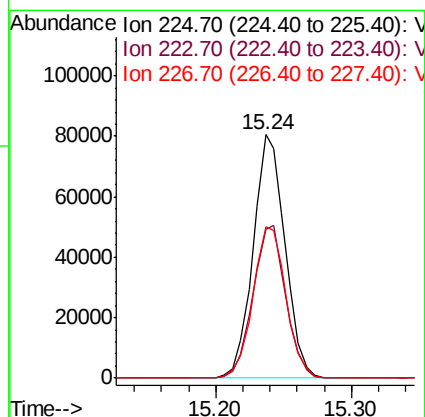
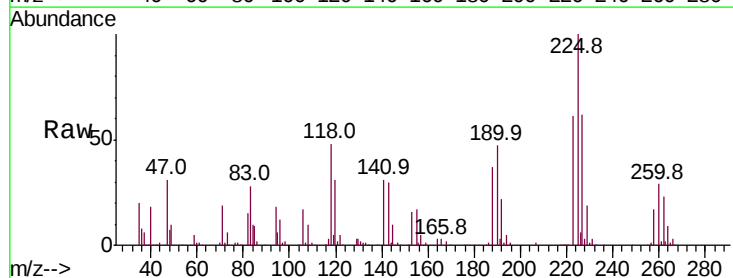
Manual Integrations
APPROVED

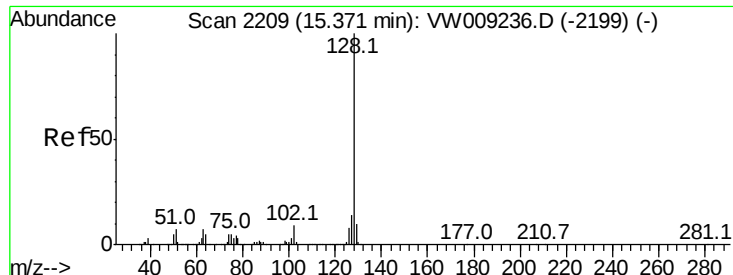
MMDadoda
3/22/2019 3:53:12 AM



#94
Hexachlorobutadiene
Concen: 46.930 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131812		
223	64.6	31.4	94.3	
227	64.6	32.1	96.5	





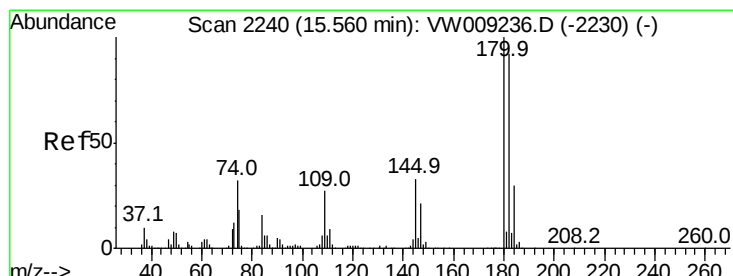
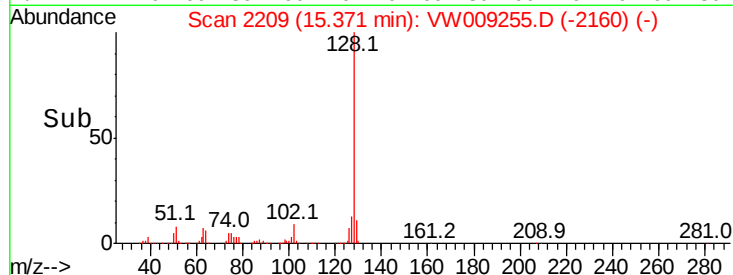
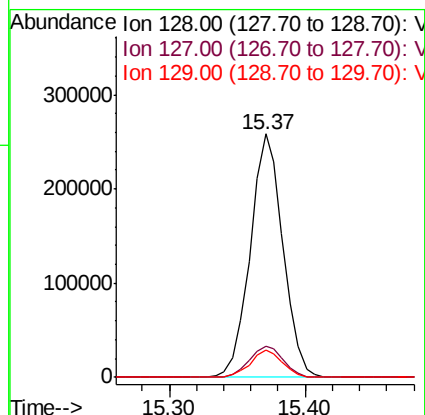
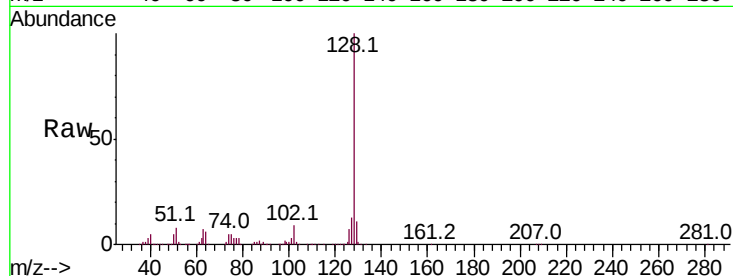
#95
Naphthalene
Concen: 56.795 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	434554		
127	13.4	10.8	16.2	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:53:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009255.D
Acq: 19 Mar 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	203307		
182	95.0	47.3	141.9	
145	32.1	16.0	48.0	

