

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011412.D
 Acq On : 20 Jul 2019 08:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 9:21:57 AM

Quant Time: Jul 22 01:22:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	185432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	311997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116899	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.88	113	95919	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.32	98	377854	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	138070	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	63243	45.730	ug/l	99
3) Chloromethane	2.21	50	98810	55.448	ug/l	95
4) Vinyl Chloride	2.35	62	122357	52.459	ug/l	98
5) Bromomethane	2.76	94	61172	52.193	ug/l	94
6) Chloroethane	2.91	64	68327	54.388	ug/l	100
7) Trichlorofluoromethane	3.25	101	50198	60.582	ug/l	97
8) Diethyl Ether	3.68	74	67450	58.832	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	107656	54.242	ug/l	98
10) Methyl Iodide	4.27	142	154699	56.672	ug/l	98
11) Tert butyl alcohol	5.17	59	55915	324.131	ug/l	96
12) 1,1-Dichloroethene	4.04	96	114867	55.761	ug/l	95
13) Acrolein	3.89	56	41731	303.794	ug/l	98
14) Allyl chloride	4.66	41	228399	60.802	ug/l	98
15) Acrylonitrile	5.36	53	193317	331.084	ug/l	100
16) Acetone	4.12	43	164259	292.990	ug/l	98
17) Carbon Disulfide	4.38	76	325205	52.073	ug/l	99
18) Methyl Acetate	4.67	43	109657	69.327	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	193183	61.806	ug/l	99
20) Methylene Chloride	4.92	84	128004	57.877	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	121923	56.960	ug/l	97
22) Diisopropyl ether	6.31	45	474332	58.709	ug/l	99
23) Vinyl Acetate	6.25	43	1470342	294.063	ug/l	99
24) 1,1-Dichloroethane	6.21	63	248012	58.458	ug/l	99
25) 2-Butanone	7.17	43	278904	316.922	ug/l	98
26) 2,2-Dichloropropane	7.17	77	115009	52.150	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	135276	58.587	ug/l	100
28) Bromochloromethane	7.51	49	96273	49.906	ug/l	99
29) Tetrahydrofuran	7.52	42	183419	317.856	ug/l	99
30) Chloroform	7.67	83	224380	57.108	ug/l	99
31) Cyclohexane	7.95	56	236862	52.478	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	171798	57.480	ug/l	99
36) 1,1-Dichloropropene	8.08	75	182664	54.978	ug/l	100
37) Ethyl Acetate	7.25	43	121208	60.718	ug/l	99
38) Carbon Tetrachloride	8.07	117	155090	55.064	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223793	55.573	ug/l	98
40) Benzene	8.32	78	520505	56.687	ug/l	100
41) Methacrylonitrile	7.48	41	76449	66.960	ug/l	93
42) 1,2-Dichloroethane	8.40	62	166891	56.030	ug/l	99
43) Isopropyl Acetate	8.42	43	224800	59.647	ug/l	100
44) Trichloroethene	9.09	130	125393	56.750	ug/l	99
45) 1,2-Dichloropropane	9.37	63	143339	57.648	ug/l	99
46) Dibromomethane	9.46	93	67485	57.778	ug/l	98
47) Bromodichloromethane	9.64	83	169677	56.775	ug/l	100
48) Methyl methacrylate	9.43	41	111638	61.570	ug/l	97
49) 1,4-Dioxane	9.45	88	25010	1282.812	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	612190	310.953	ug/l	100
52) Toluene	10.39	92	316433	56.811	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	170960	53.742	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	200758	53.616	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	96002	57.937	ug/l	98
56) Ethyl methacrylate	10.65	69	151358	59.997	ug/l	98
57) 1,3-Dichloropropane	10.93	76	182024	58.091	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	322811	276.012	ug/l	99
59) 2-Hexanone	10.97	43	417189	305.559	ug/l	99
60) Dibromochloromethane	11.13	129	104458	57.488	ug/l	100
61) 1,2-Dibromoethane	11.23	107	92574	58.980	ug/l	100
64) Tetrachloroethene	10.86	164	116786	62.828	ug/l	98
65) Chlorobenzene	11.66	112	315674	56.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	112619	57.110	ug/l	99
67) Ethyl Benzene	11.73	91	611655	57.049	ug/l	98
68) m/p-Xylenes	11.84	106	439697	113.338	ug/l	100
69) o-Xylene	12.16	106	209184	57.209	ug/l	100
70) Styrene	12.18	104	365632	57.940	ug/l	99
71) Bromoform	12.35	173	61309	58.475	ug/l #	98
73) Isopropylbenzene	12.46	105	579042	58.617	ug/l	99
74) N-amyl acetate	12.27	43	199733	58.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121346	59.927	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	84152m	55.106	ug/l	
77) Bromobenzene	12.75	156	128264	57.858	ug/l	99
78) n-propylbenzene	12.80	91	695820	57.181	ug/l	99
79) 2-Chlorotoluene	12.89	91	397554	56.773	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	487312	58.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33980	50.328	ug/l	99
82) 4-Chlorotoluene	12.99	91	412690	56.583	ug/l	100
83) tert-Butylbenzene	13.21	119	411944	58.858	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	481733	57.167	ug/l	100
85) sec-Butylbenzene	13.38	105	579534	57.384	ug/l	100
86) p-Isopropyltoluene	13.50	119	518238	57.212	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	242256	56.797	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	240141	55.911	ug/l	99
89) n-Butylbenzene	13.82	91	501583	55.508	ug/l	99
90) Hexachloroethane	14.10	117	93674	56.592	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	221429	57.224	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21313	59.339	ug/l	99

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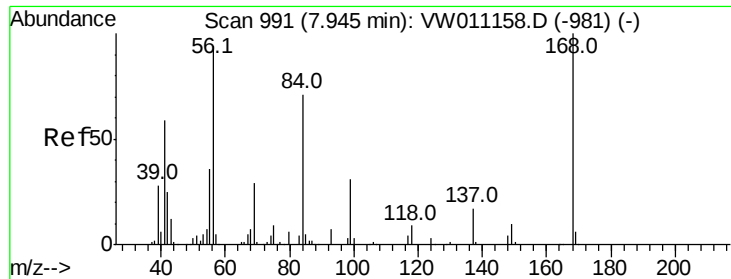
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153759	57.691	ug/l	98
94) Hexachlorobutadiene	15.24	225	94423	57.706	ug/l	99
95) Naphthalene	15.37	128	331581	64.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	139302	59.222	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: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 185432

Ion Ratio Lower Upper

168 100

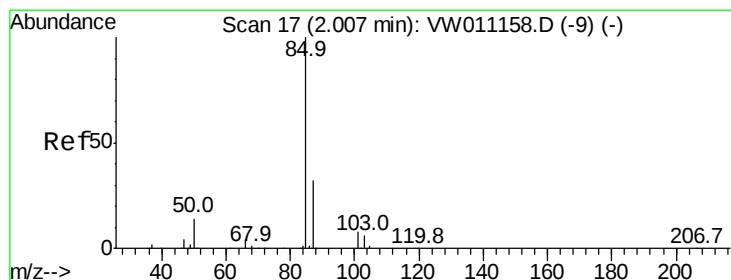
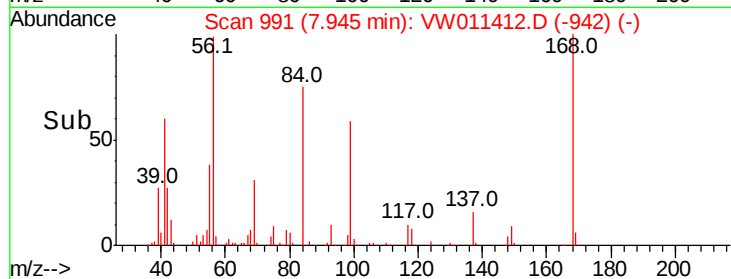
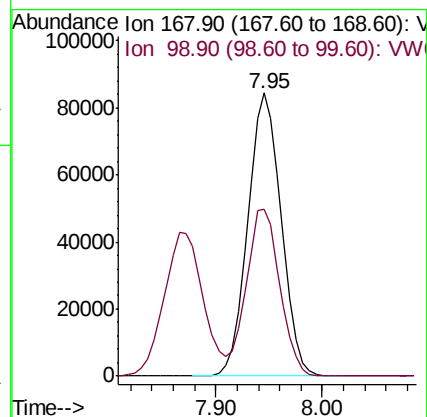
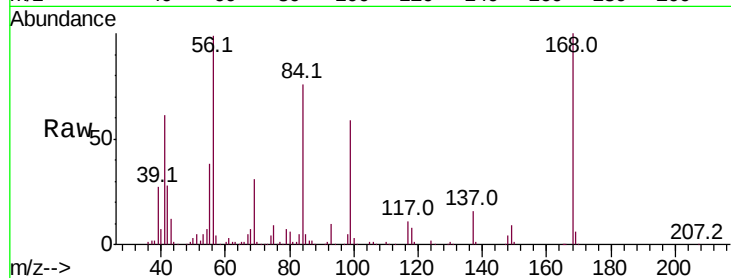
99 58.9 50.1 75.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.730 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011412.D

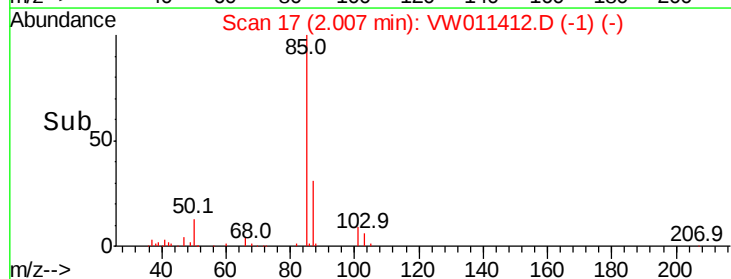
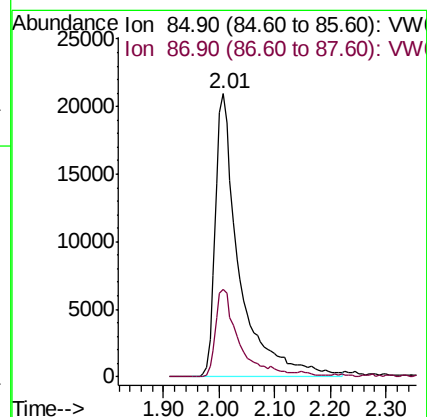
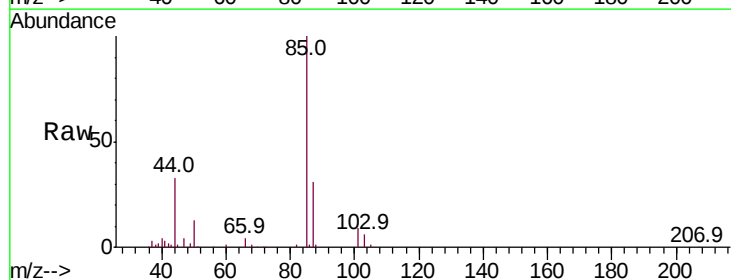
Acq: 20 Jul 2019 08:49

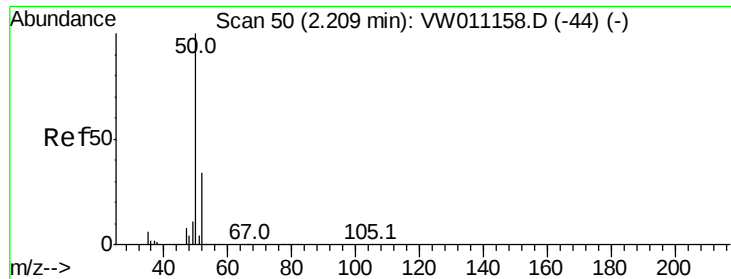
Tgt Ion: 85 Resp: 63243

Ion Ratio Lower Upper

85 100

87 31.1 15.9 47.6





#3

Chloromethane

Concen: 55.448 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 98810

Ion Ratio Lower Upper

50 100

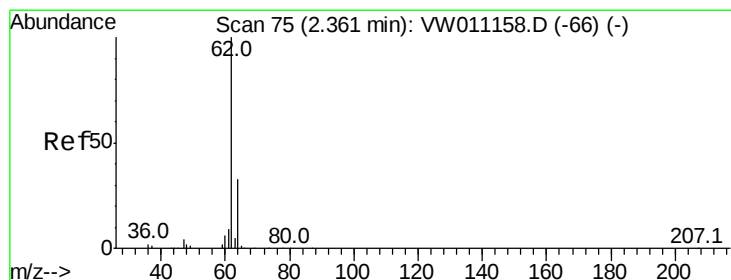
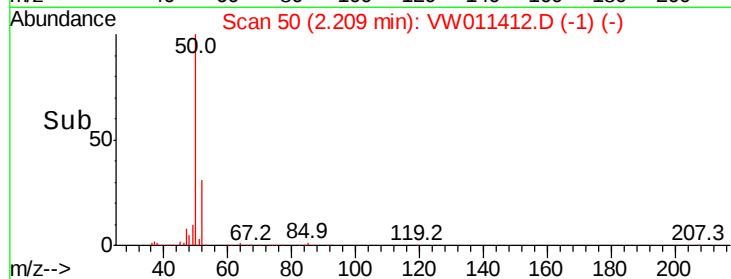
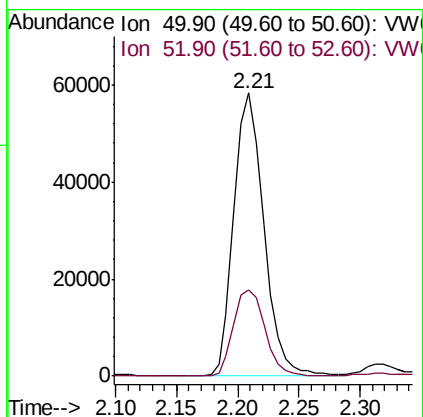
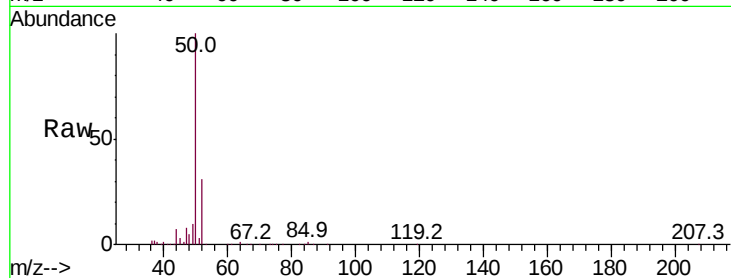
52 30.7 26.9 40.3

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#4

Vinyl Chloride

Concen: 52.459 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011412.D

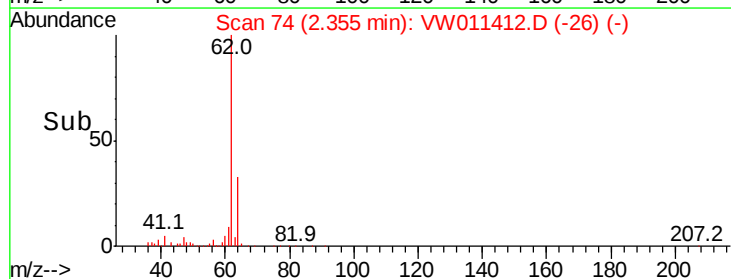
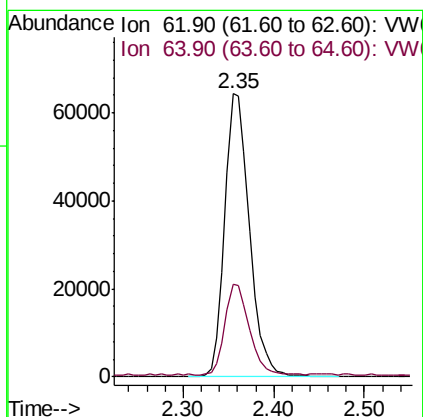
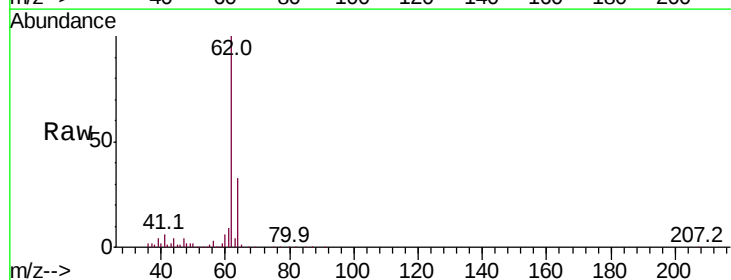
Acq: 20 Jul 2019 08:49

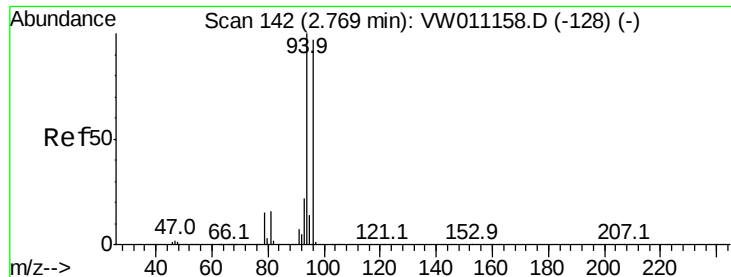
Tgt Ion: 62 Resp: 122357

Ion Ratio Lower Upper

62 100

64 32.0 26.6 40.0





#5

Bromomethane

Concen: 52.193 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61172

Ion Ratio Lower Upper

94 100

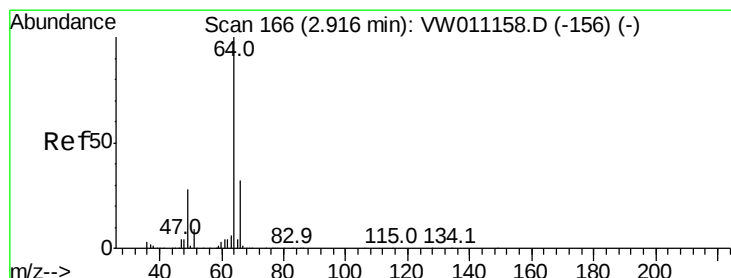
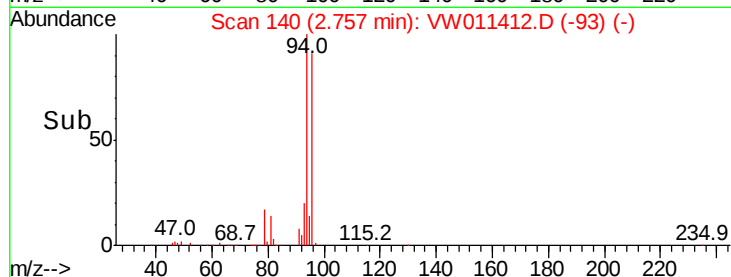
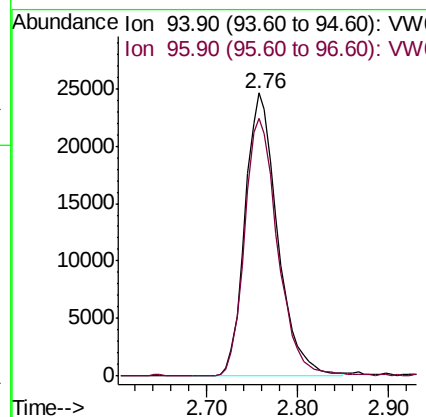
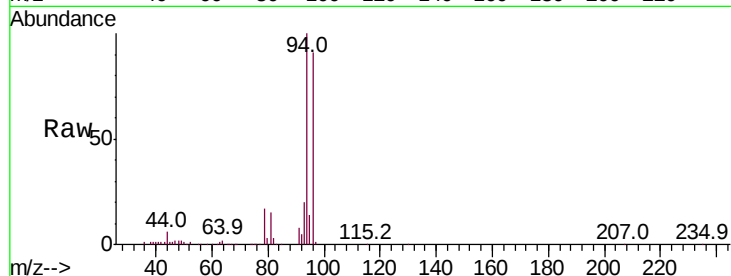
96 91.2 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 54.388 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011412.D

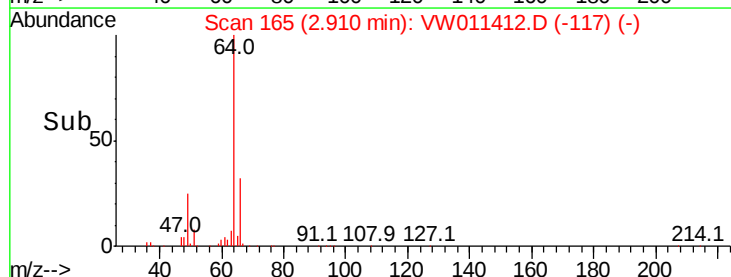
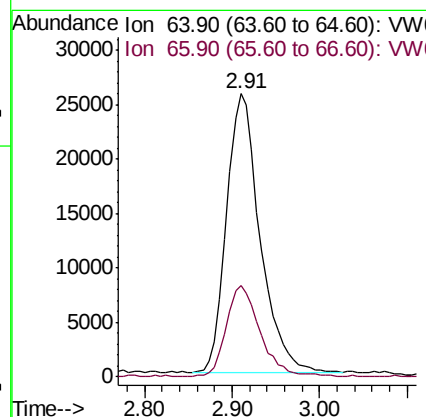
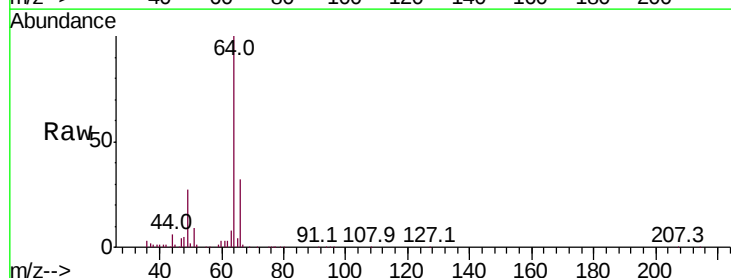
Acq: 20 Jul 2019 08:49

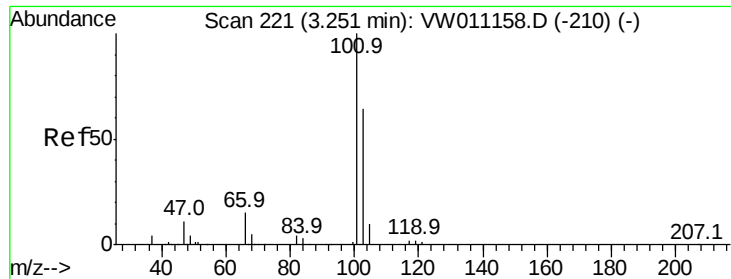
Tgt Ion: 64 Resp: 68327

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.8





#7

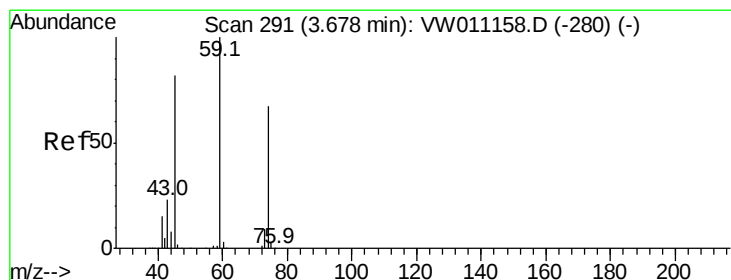
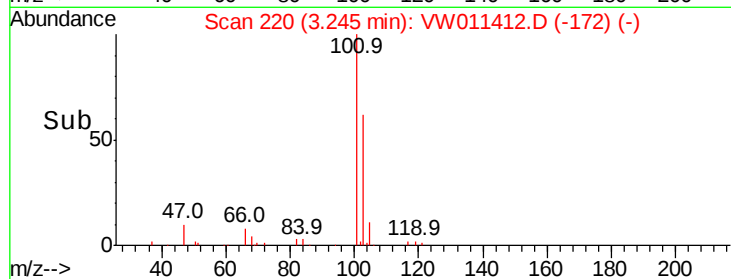
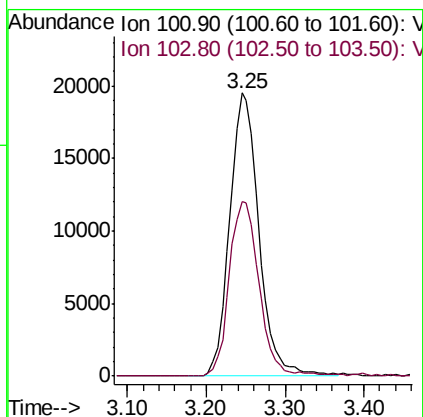
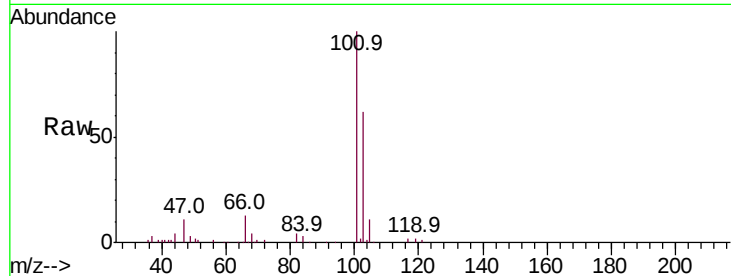
Trichlorofluoromethane
Concen: 60.582 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.3	76.9

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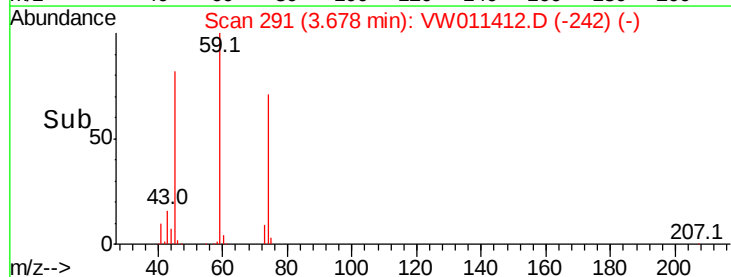
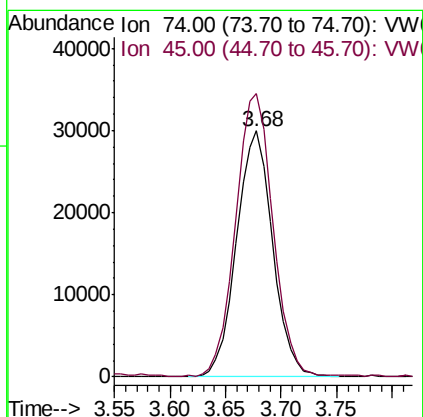
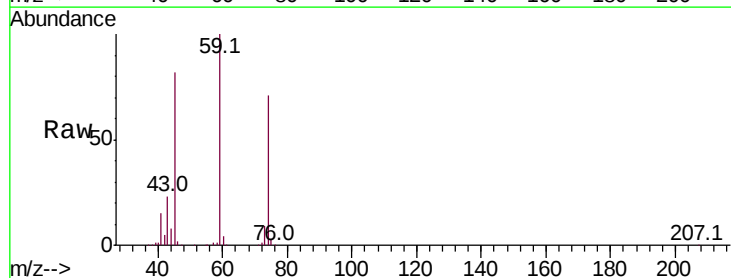
MMDadoda
7/22/2019 9:21:57 AM

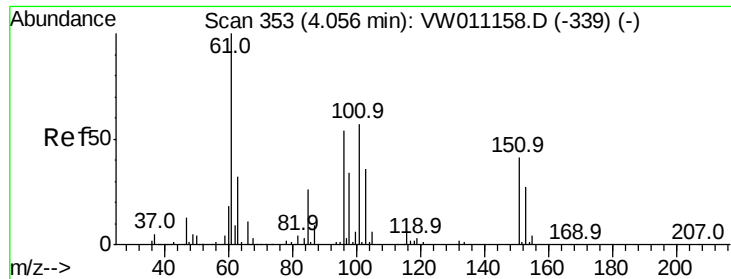


#8

Diethyl Ether
Concen: 58.832 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.2	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.242 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

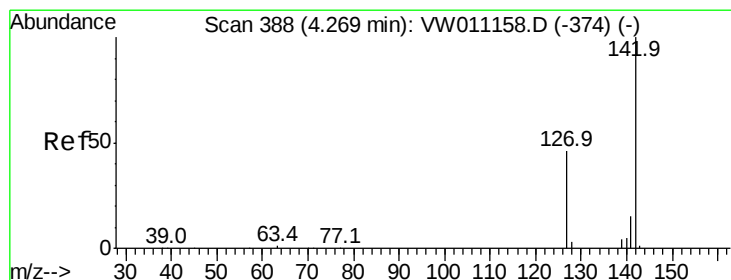
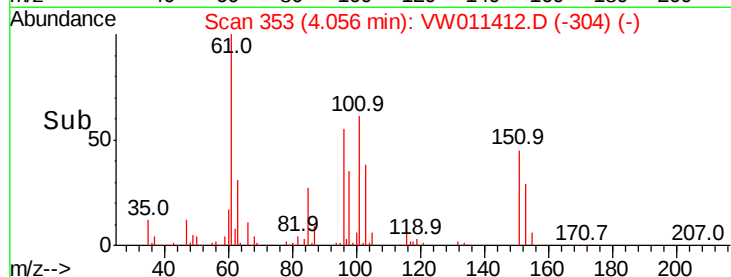
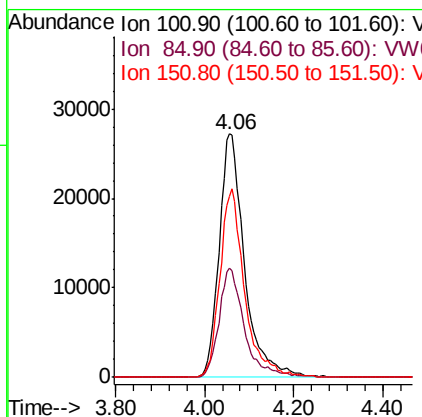
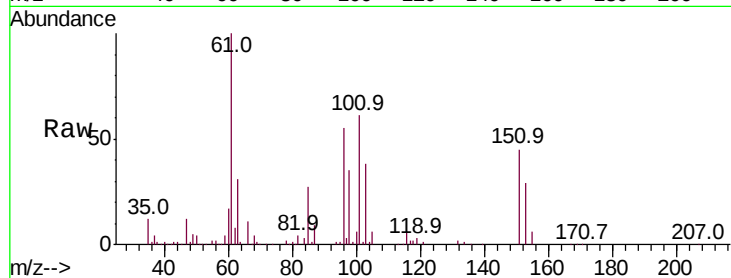
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	107656
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.5	54.7
151	75.4	59.1	88.7

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#10

Methyl Iodide

Concen: 56.672 ug/l

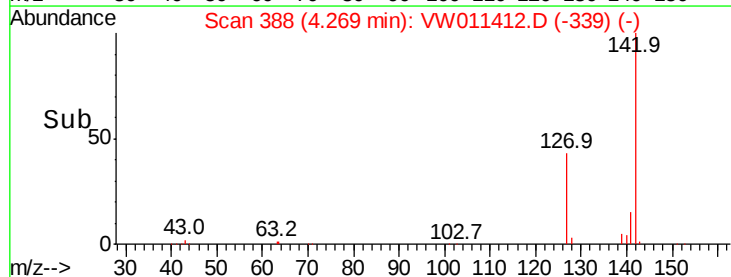
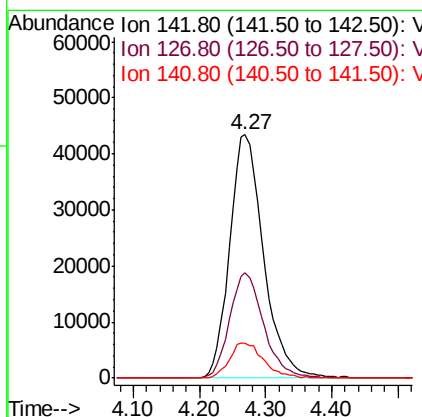
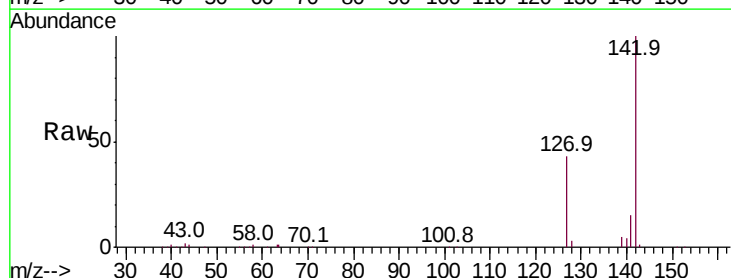
RT: 4.27 min Scan# 388

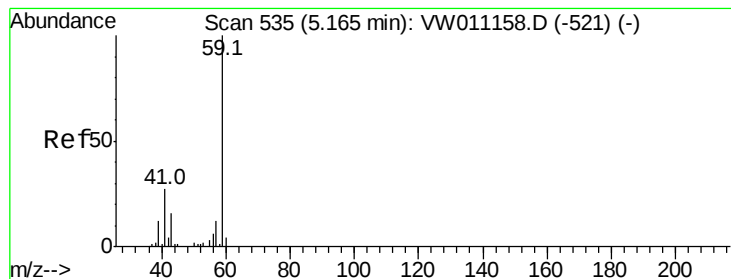
Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion:	142	Resp:	154699
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.7	53.5
141	14.8	11.5	17.3





#11

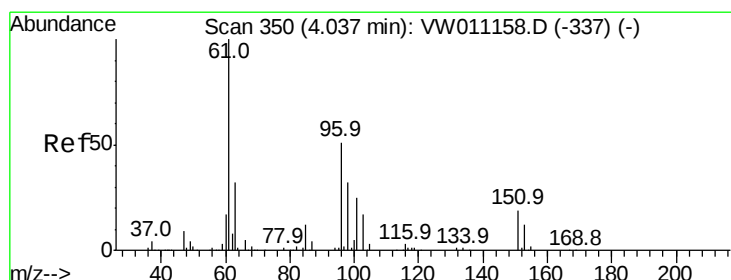
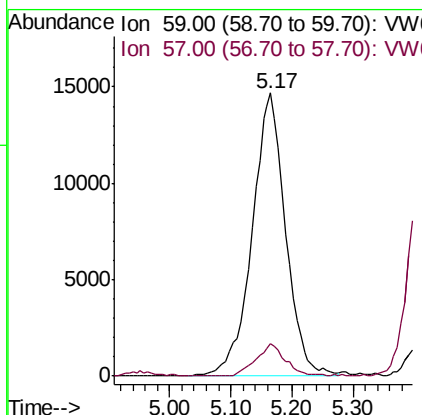
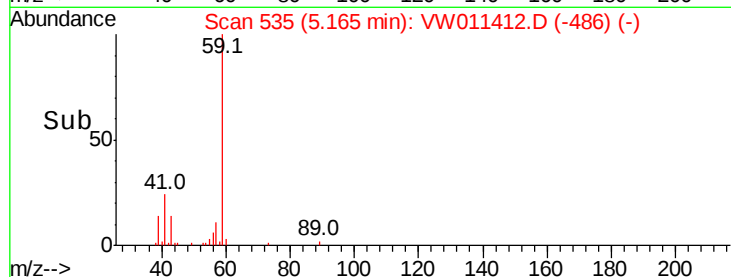
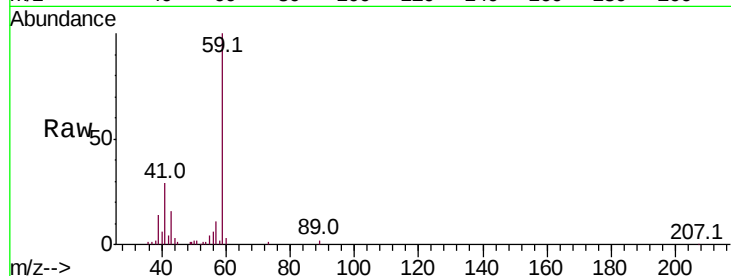
Tert butyl alcohol
Concen: 324.131 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	9.0	13.6

Manual Integrations
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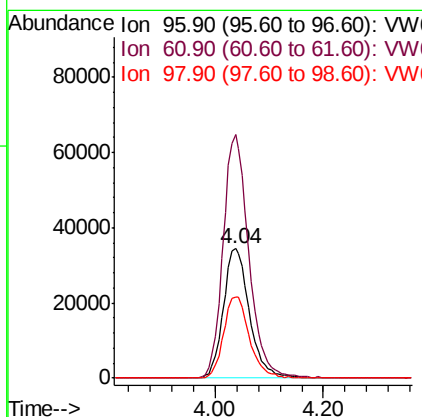
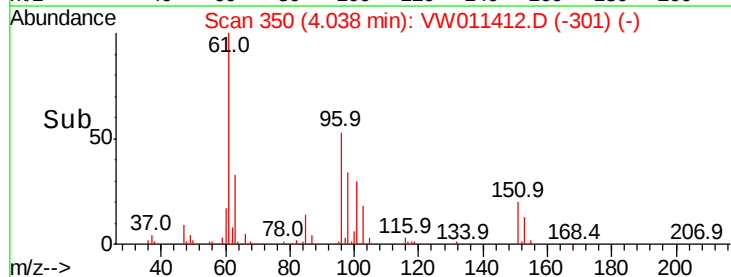
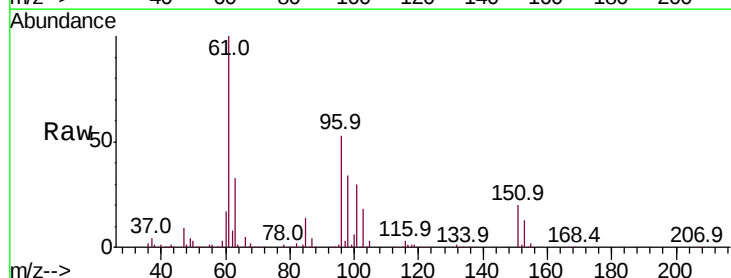
MMDadoda
7/22/2019 9:21:57 AM

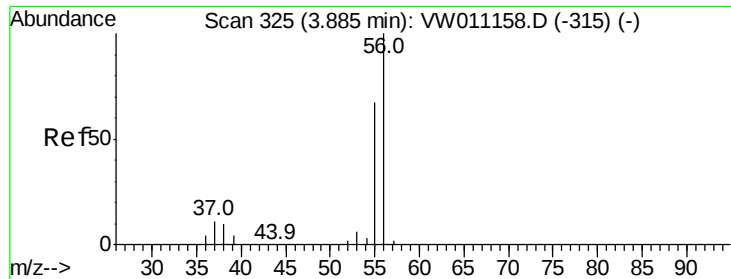


#12

1,1-Dichloroethene
Concen: 55.761 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.8	157.7	236.5
98	63.0	50.9	76.3





#13

Acrolein

Concen: 303.794 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41731

Ion Ratio Lower Upper

56 100

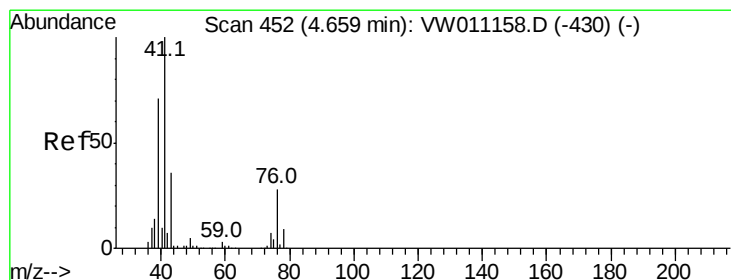
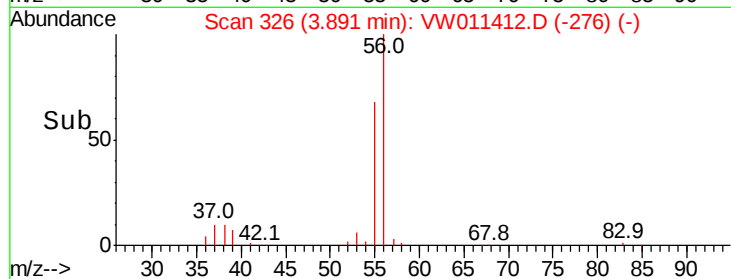
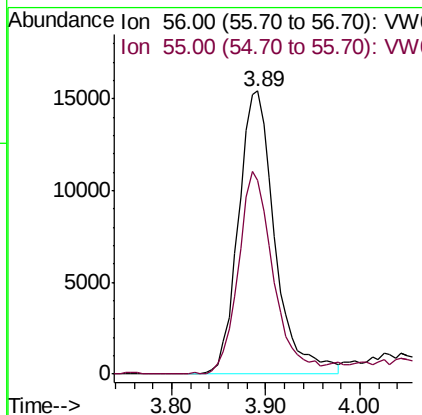
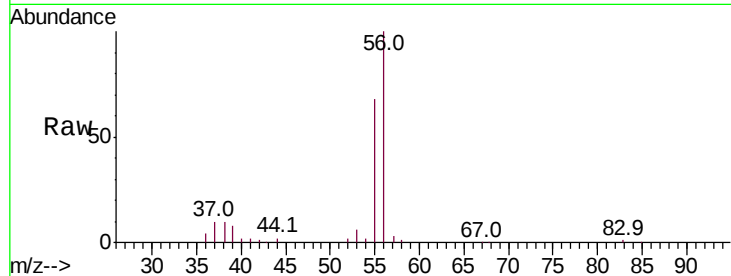
55 68.7 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 60.802 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

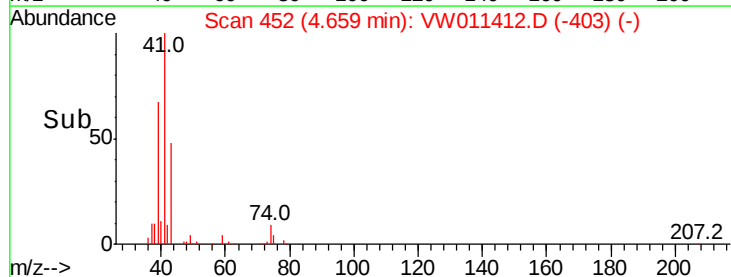
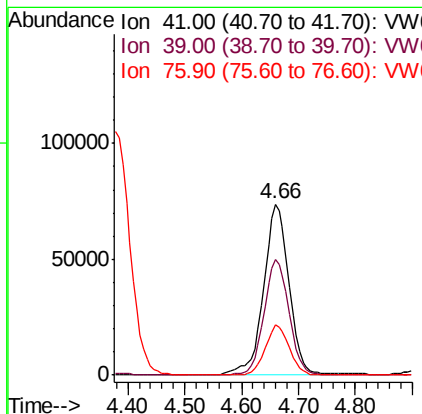
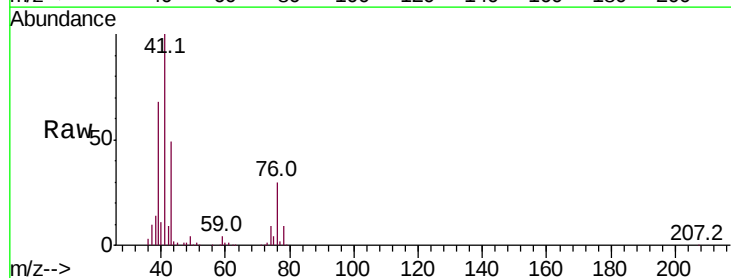
Tgt Ion: 41 Resp: 228399

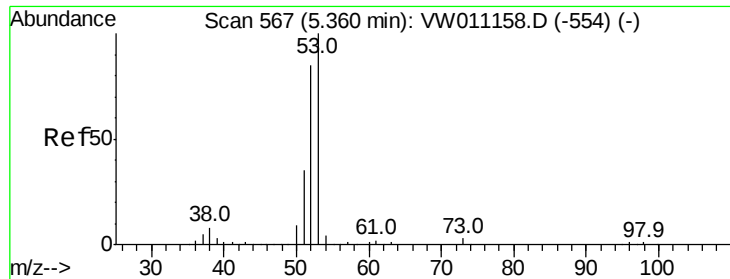
Ion Ratio Lower Upper

41 100

39 66.8 55.1 82.7

76 27.3 22.5 33.7





#15

Acrylonitrile

Concen: 331.084 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

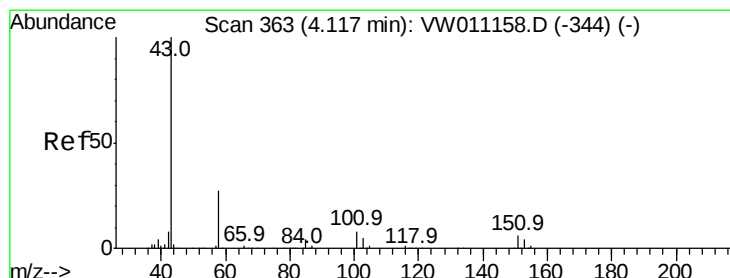
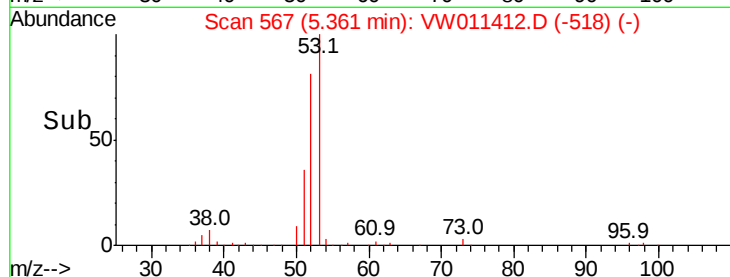
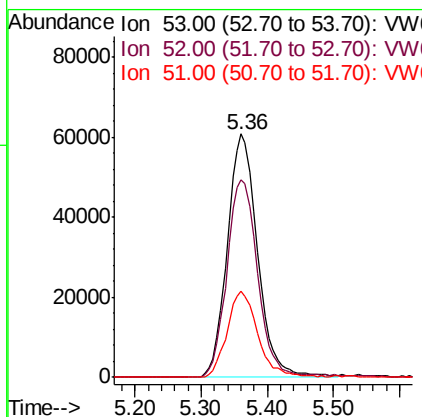
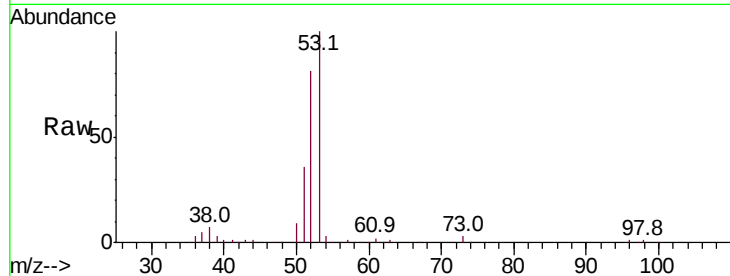
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	193317
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.4
51	36.1	29.1	43.7

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#16

Acetone

Concen: 292.990 ug/l

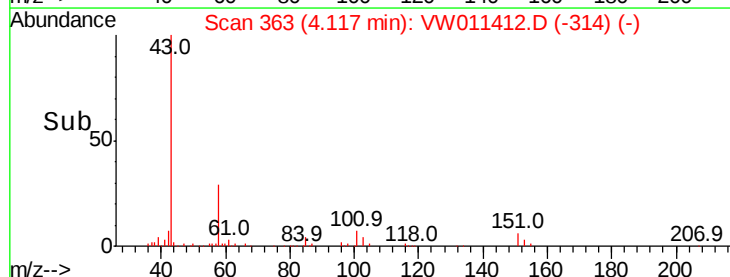
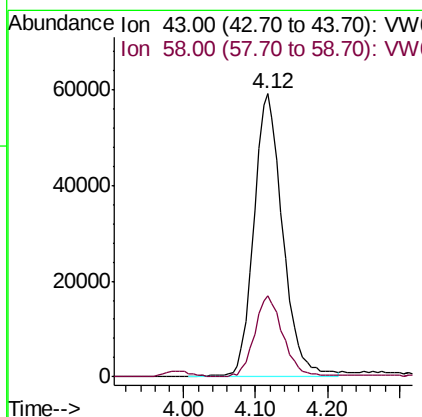
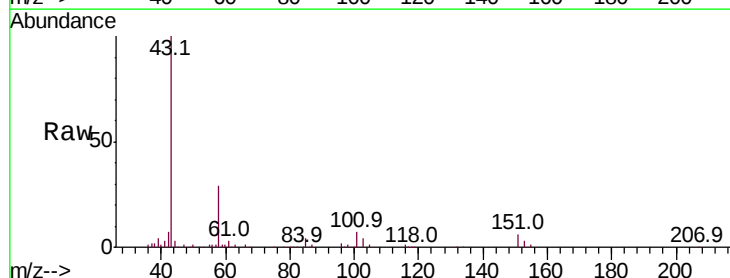
RT: 4.12 min Scan# 363

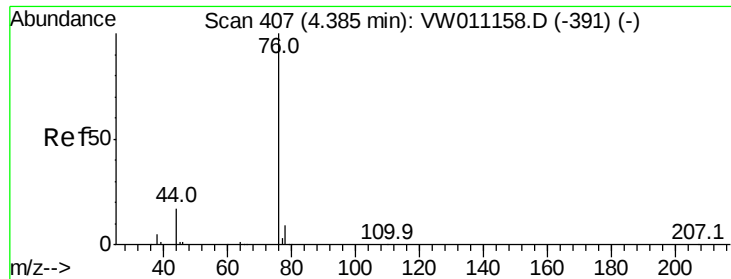
Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion	43	Resp	164259
Ion Ratio	Lower	Upper	
43	100		
58	28.1	21.8	32.6





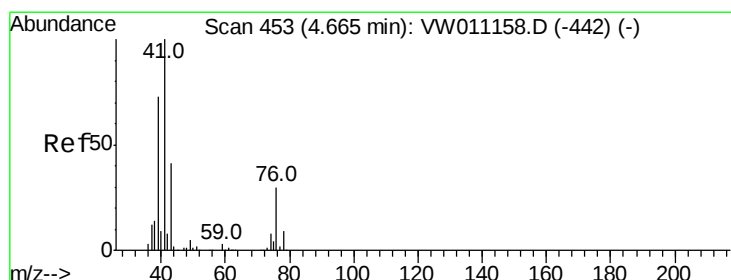
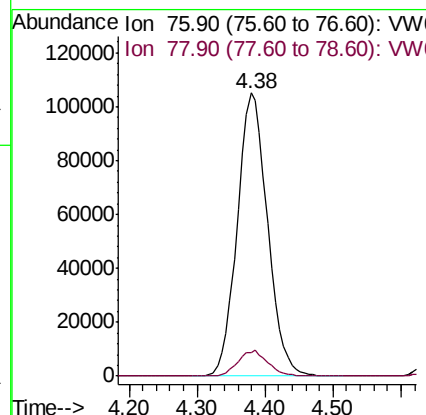
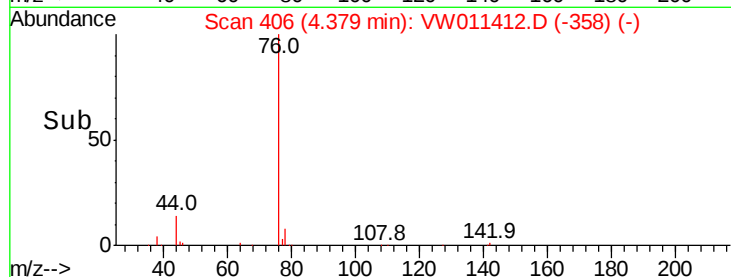
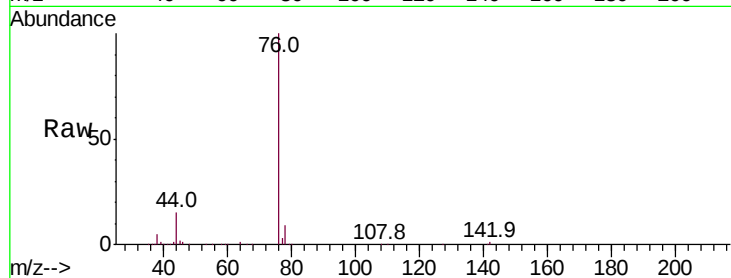
#17
Carbon Disulfide
Concen: 52.073 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

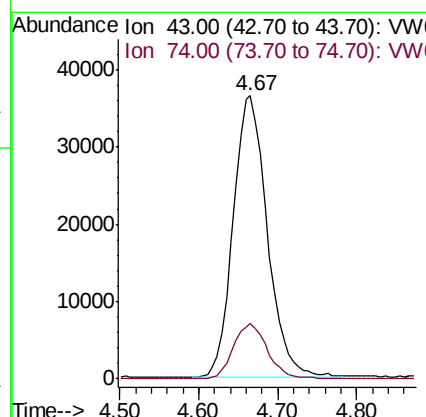
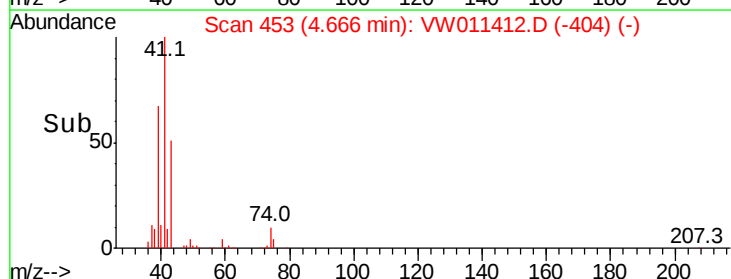
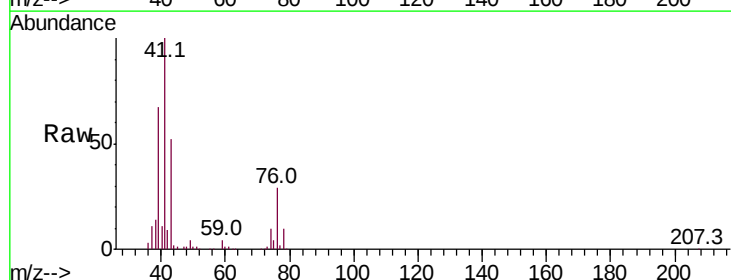
Manual Integrations
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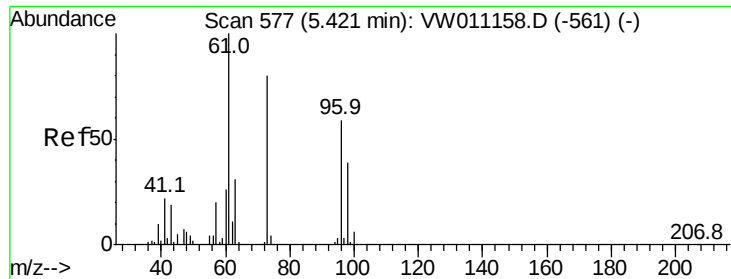
MMDadoda
7/22/2019 9:21:57 AM



#18
Methyl Acetate
Concen: 69.327 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.7	23.5





#19

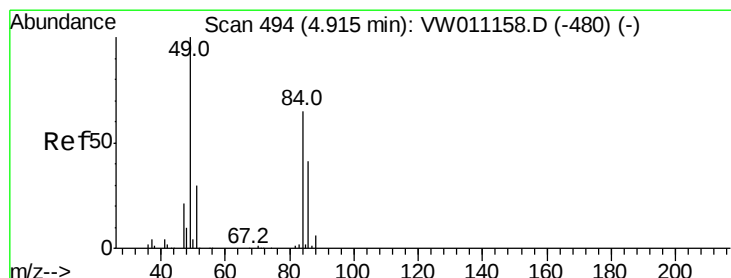
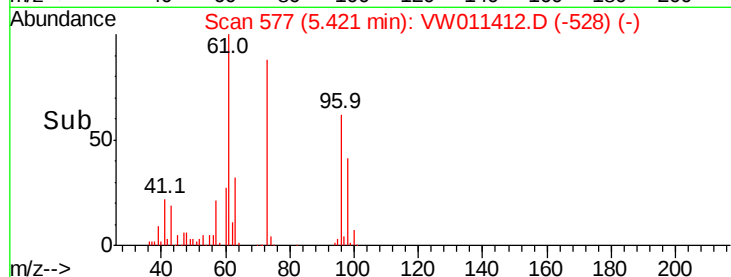
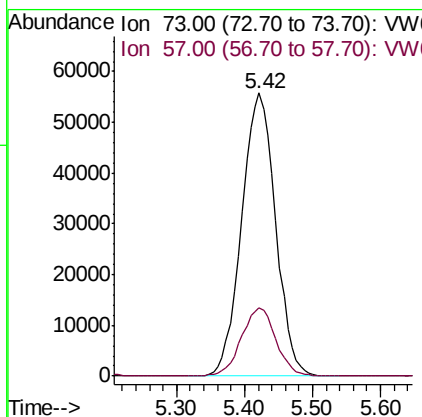
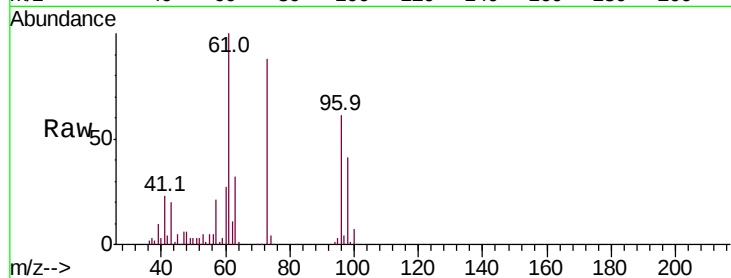
Methyl tert-butyl Ether
 Concen: 61.806 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.7	29.5

Manual Integrations
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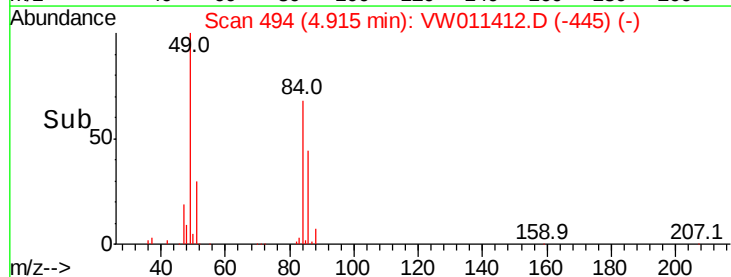
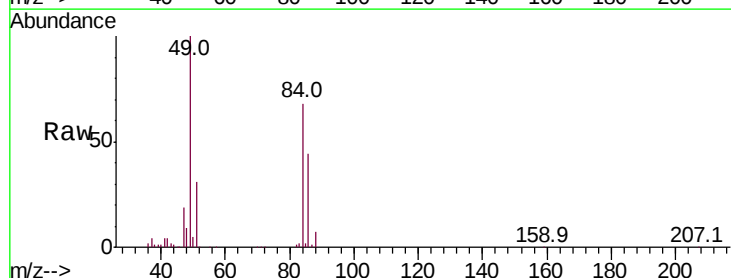
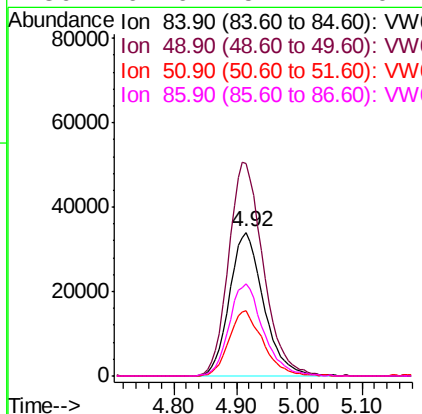
MMDadoda
 7/22/2019 9:21:57 AM

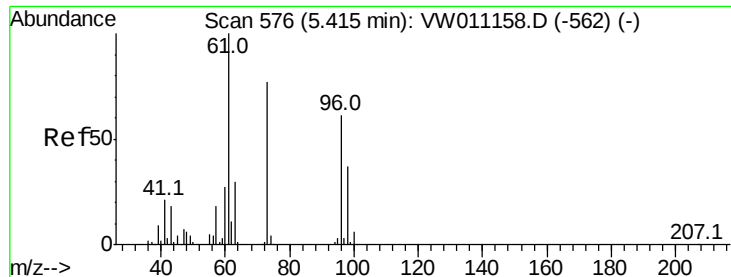


#20

Methylene Chloride
 Concen: 57.877 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.9	123.8	185.6
51	45.2	37.4	56.2
86	64.6	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 56.960 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

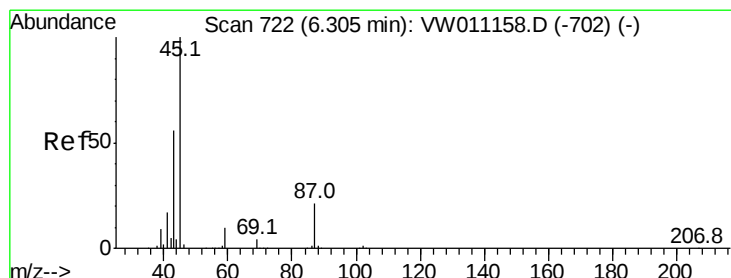
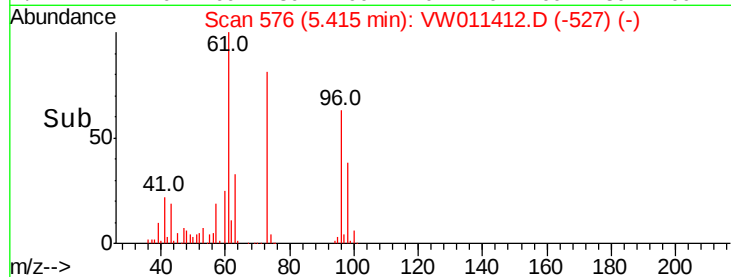
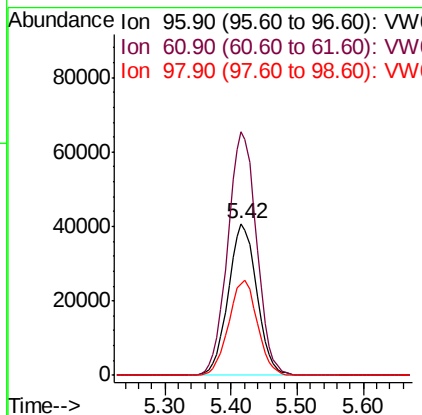
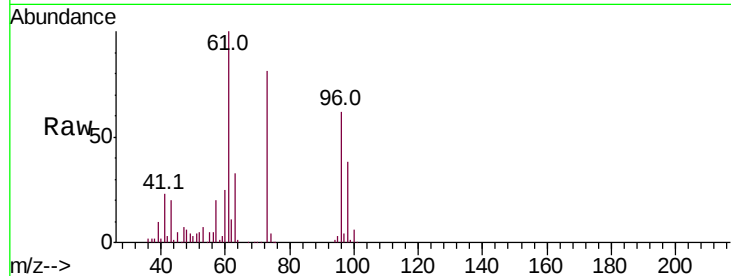
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	121923
Ion	Ratio	Lower	Upper
96	100		
61	160.2	132.2	198.2
98	60.4	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 58.709 ug/l

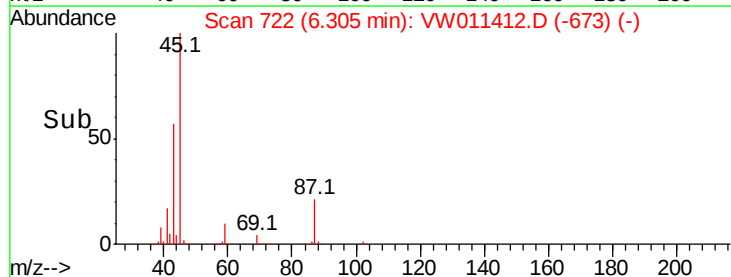
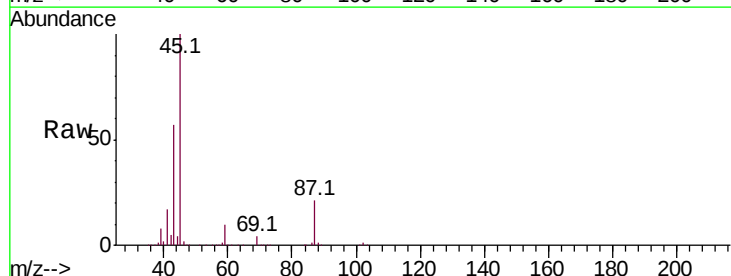
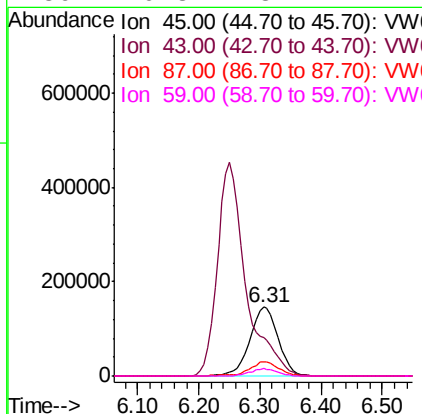
RT: 6.31 min Scan# 722

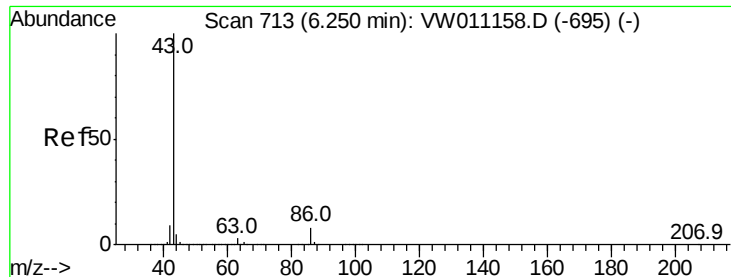
Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion:	45	Resp:	474332
Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.6	66.8
87	20.9	17.3	25.9
59	10.3	8.2	12.2





#23

Vinyl Acetate

Concen: 294.063 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tot Ion: 43 Resp: 1470342

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

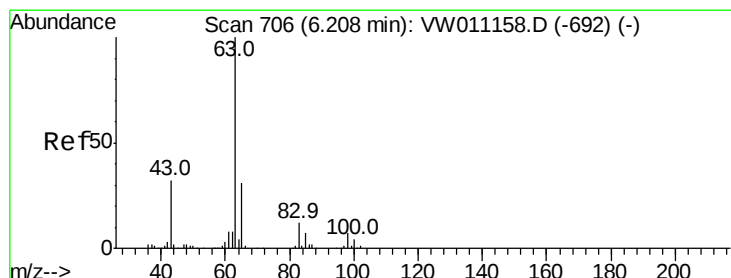
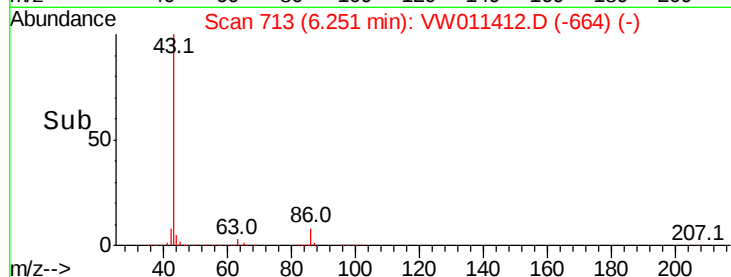
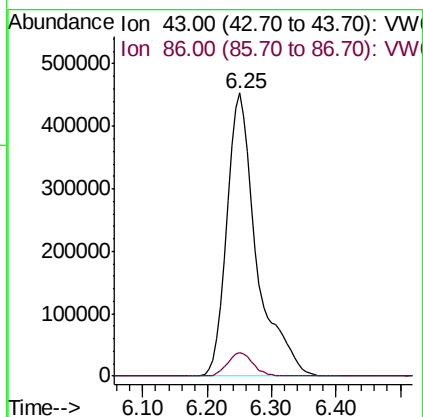
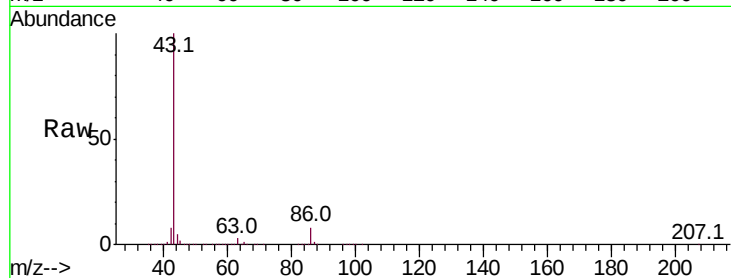
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 58.458 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

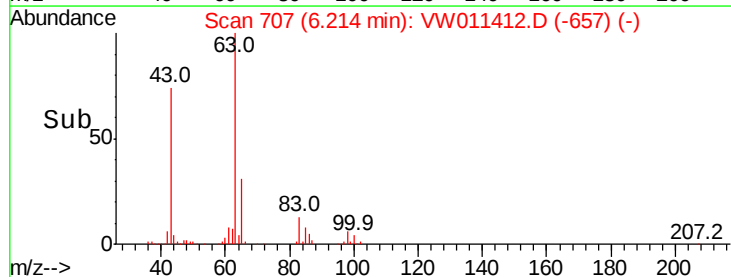
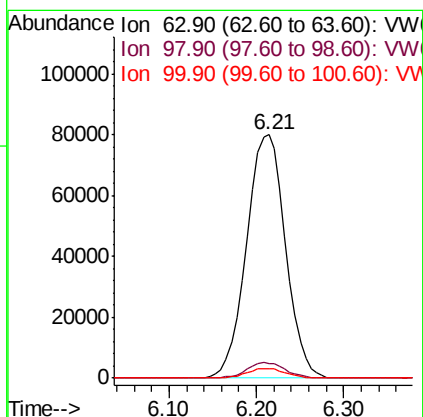
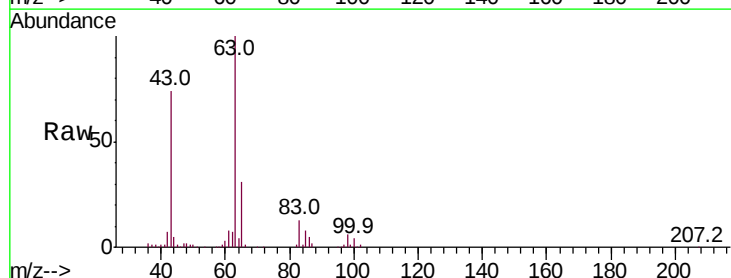
Tgt Ion: 63 Resp: 248012

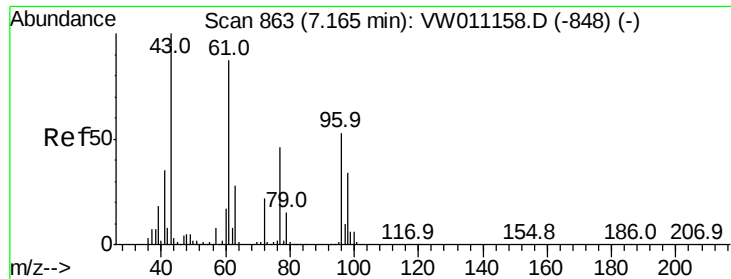
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 316.922 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 278904

Ion Ratio Lower Upper

43 100

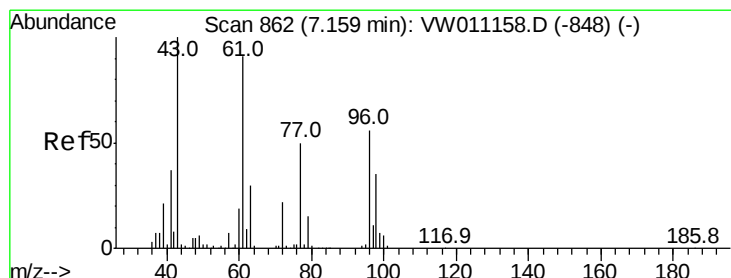
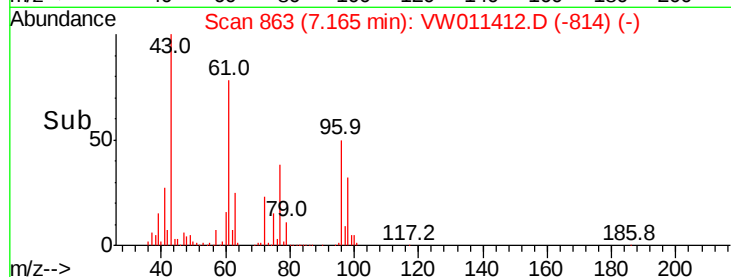
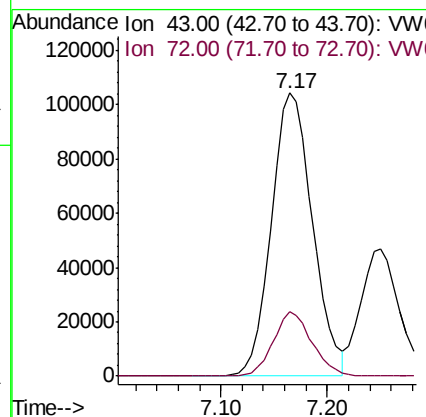
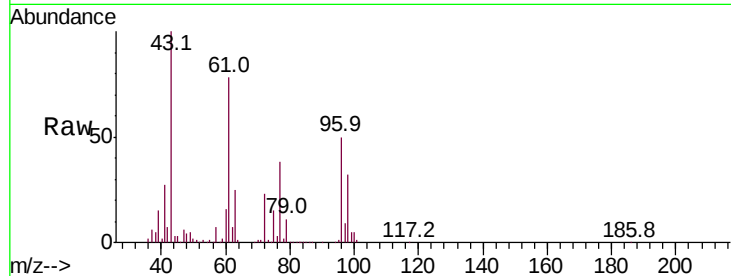
72 22.8 17.6 26.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.150 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011412.D

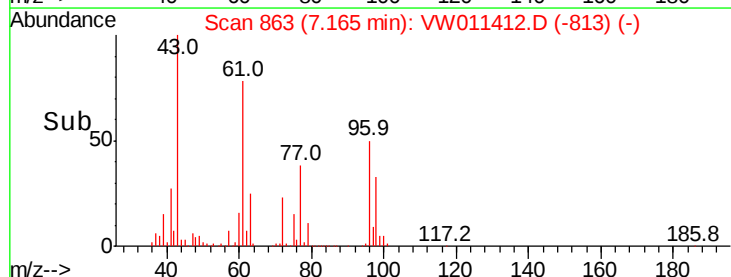
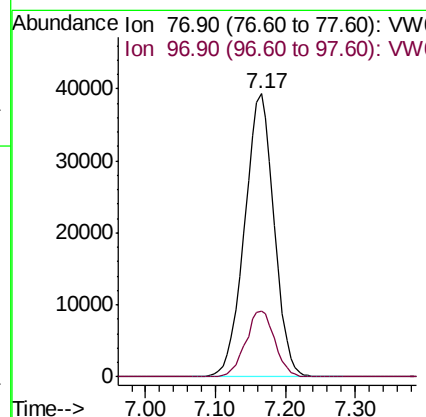
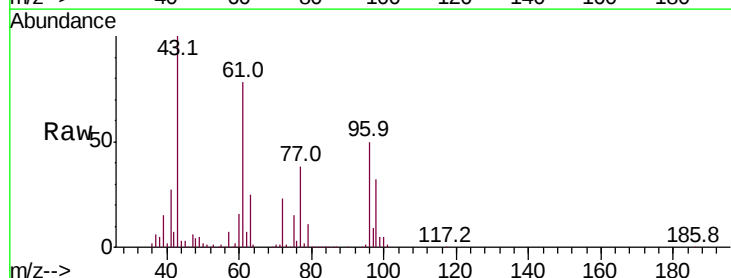
Acq: 20 Jul 2019 08:49

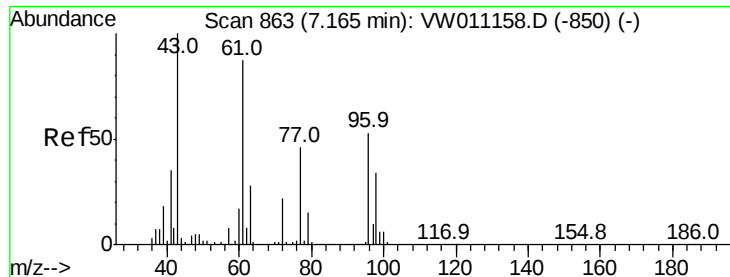
Tgt Ion: 77 Resp: 115009

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5





#27

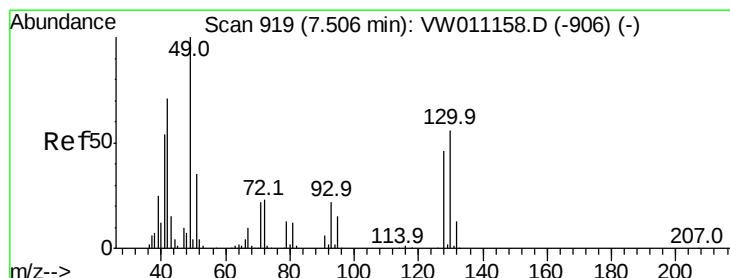
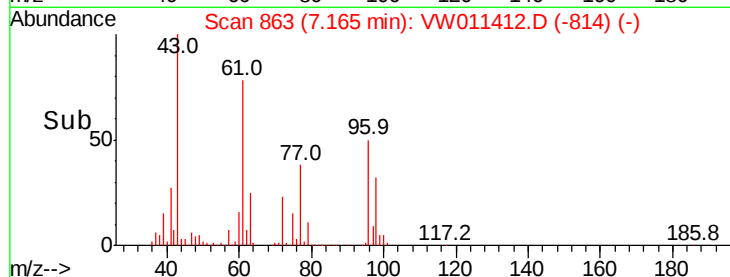
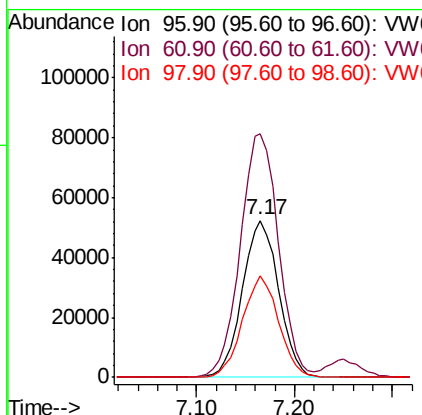
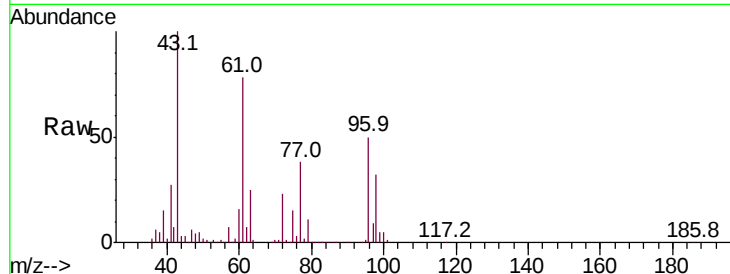
cis-1,2-Dichloroethene
Concen: 58.587 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	325.6
98	64.2	0.0	128.2

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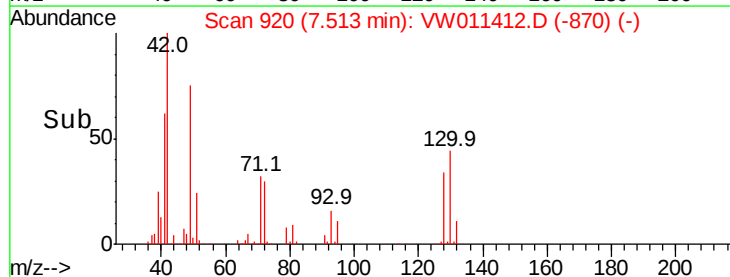
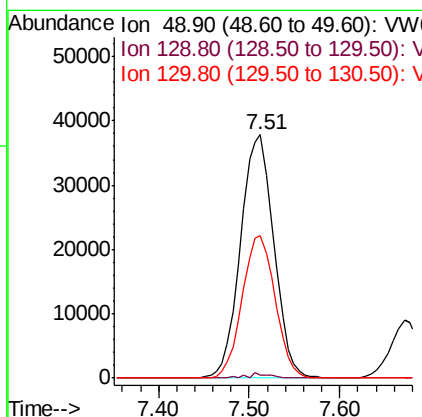
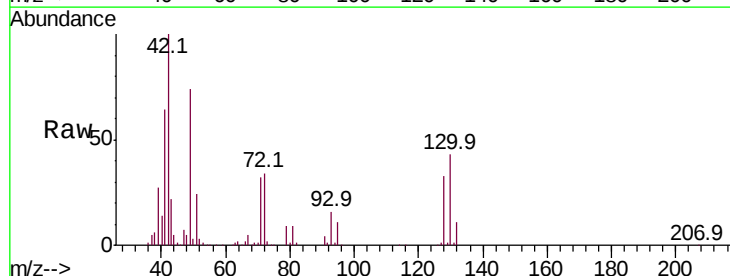
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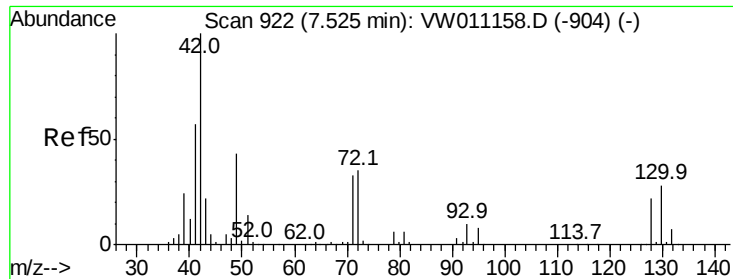


#28

Bromochloromethane
Concen: 49.906 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4
130	58.3	45.8	68.8





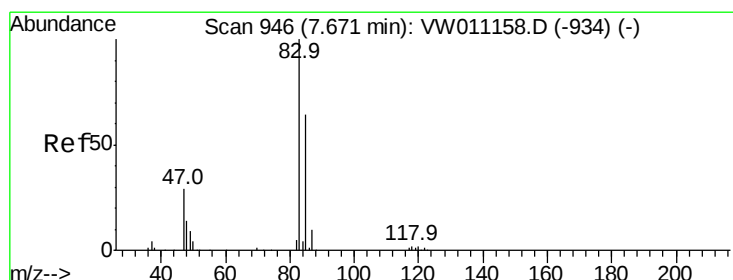
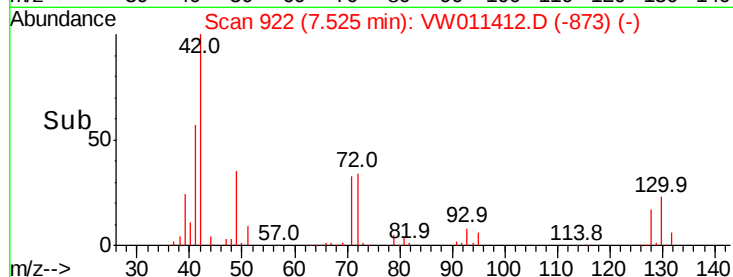
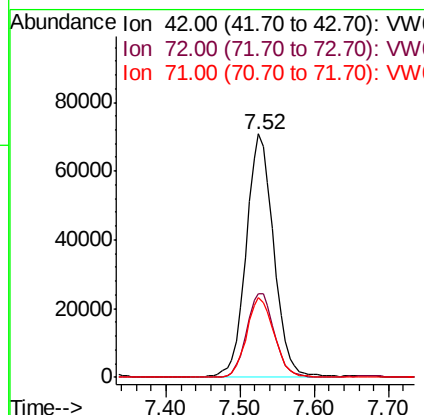
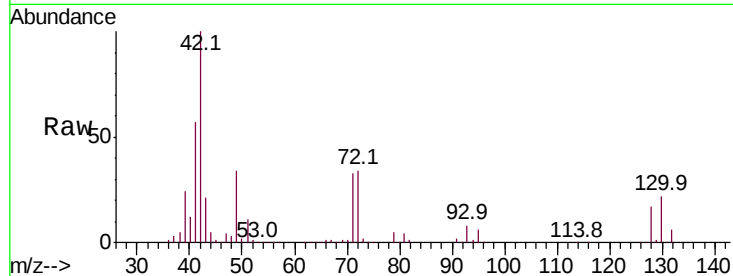
#29
Tetrahydrofuran
Concen: 317.856 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.4	41.2
71	32.7	25.9	38.9

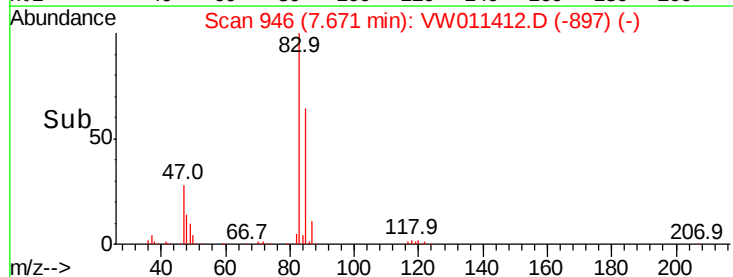
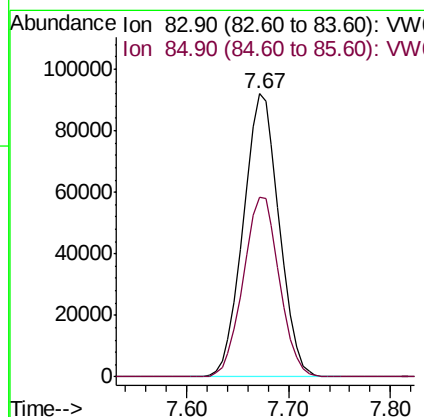
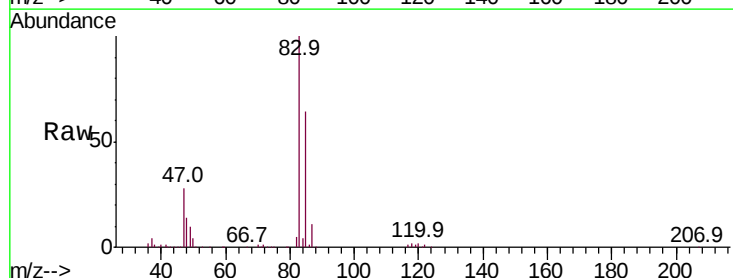
Manual Integrations
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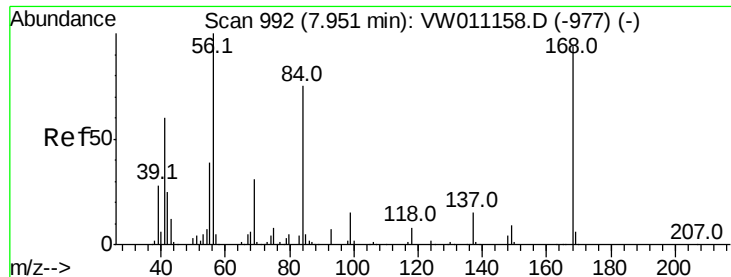
MMDadoda
7/22/2019 9:21:57 AM



#30
Chloroform
Concen: 57.108 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.2





#31

Cyclohexane

Concen: 52.478 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 236862

Ion Ratio Lower Upper

56 100

69 29.8 24.6 36.8

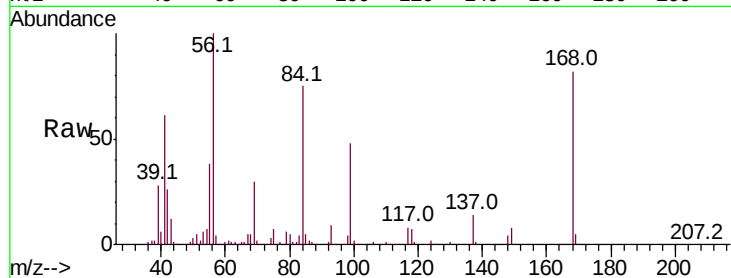
84 74.0 60.1 90.1

Manual Integrations

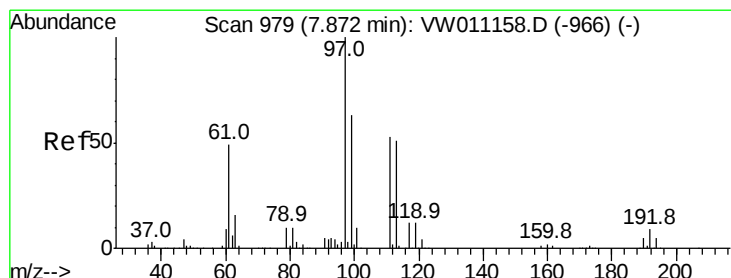
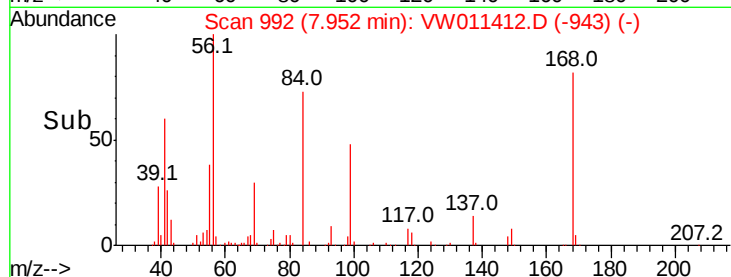
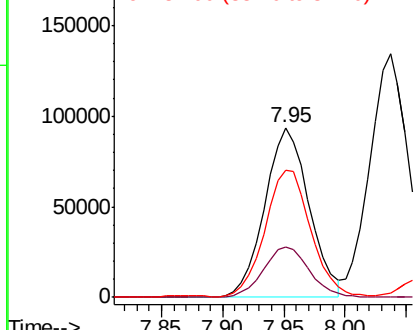
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 57.480 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

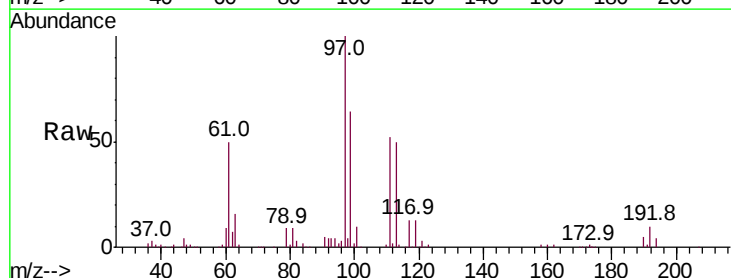
Tgt Ion: 97 Resp: 171798

Ion Ratio Lower Upper

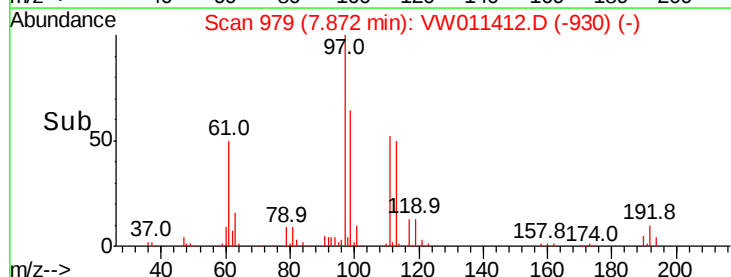
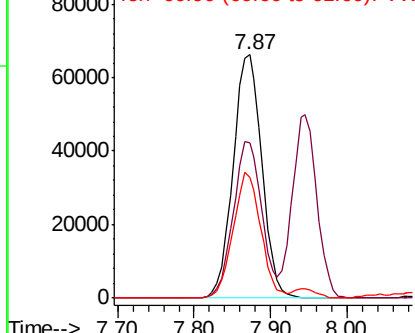
97 100

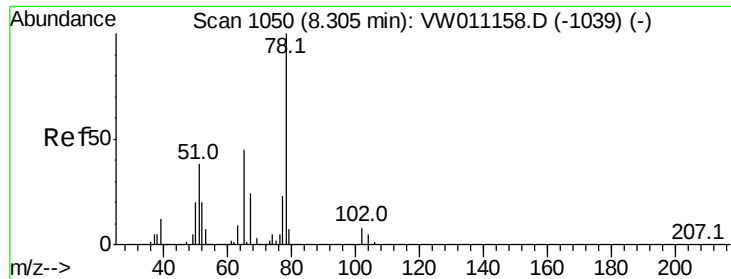
99 64.1 51.0 76.4

61 49.7 40.4 60.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 50.171 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 116899

Ion Ratio Lower Upper

65 100

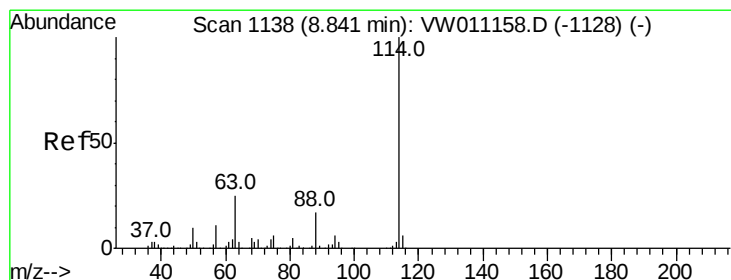
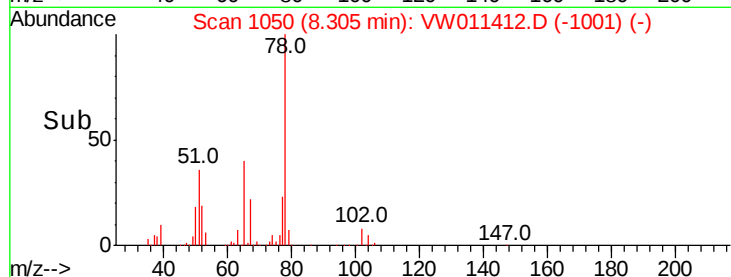
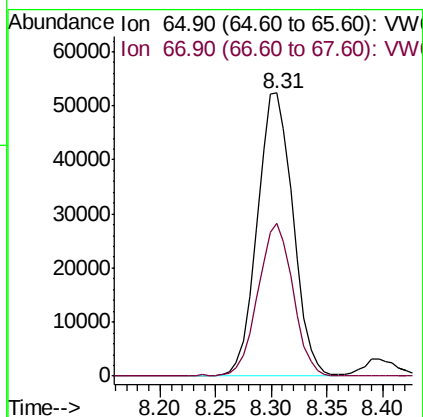
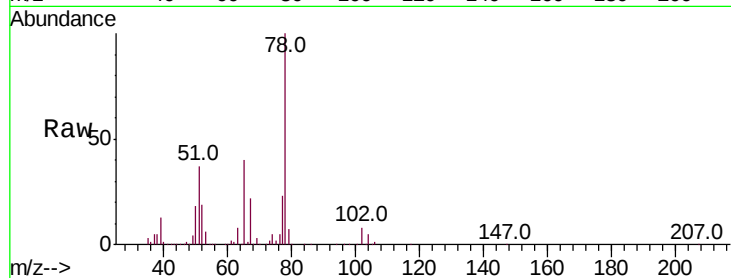
67 53.0 0.0 104.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

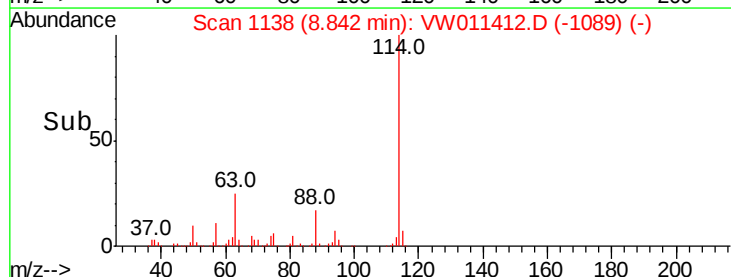
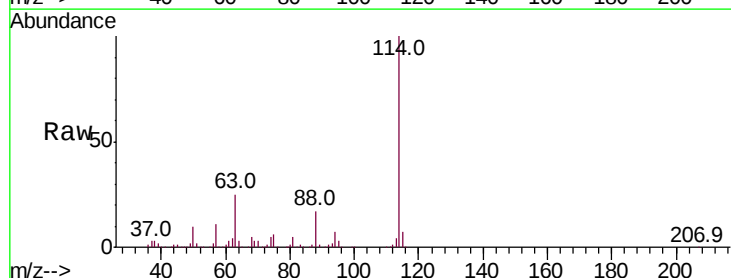
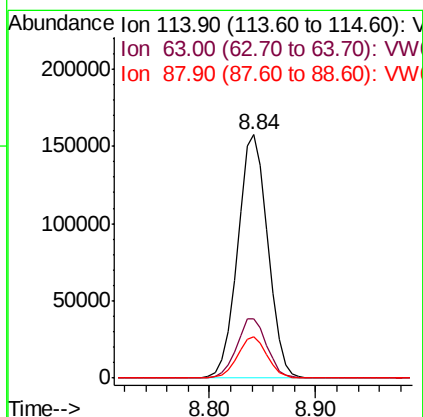
Tgt Ion: 114 Resp: 311997

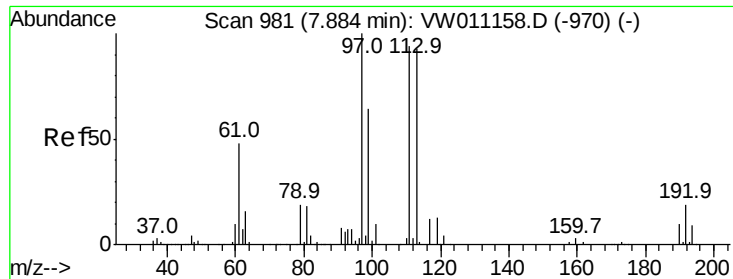
Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.8

88 17.1 0.0 34.2





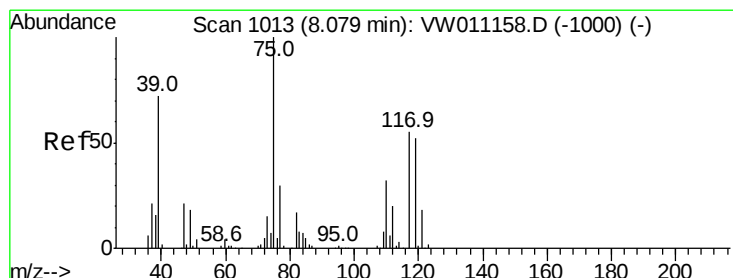
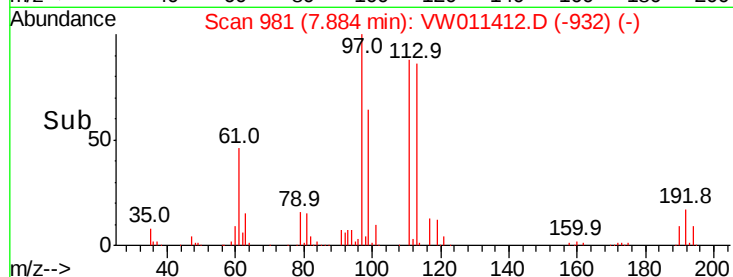
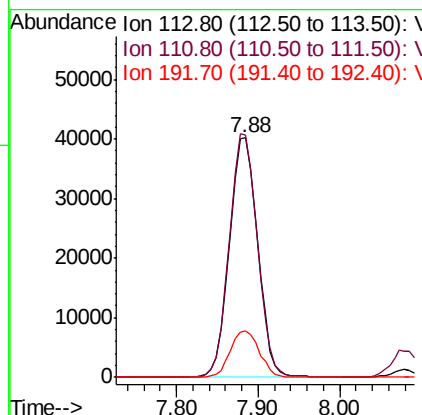
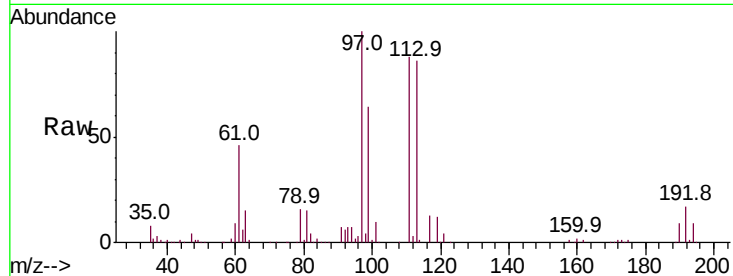
#35
 Dibromofluoromethane
 Concen: 51.579 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 95919
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.4 123.6
 192 19.9 15.8 23.8

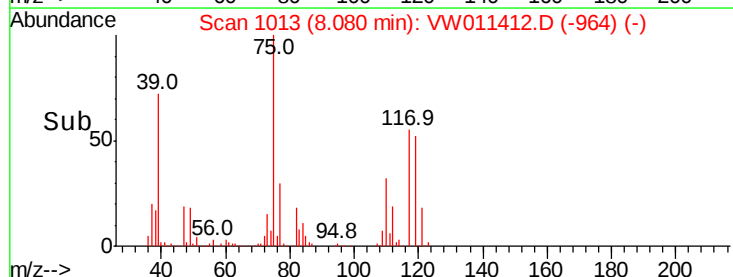
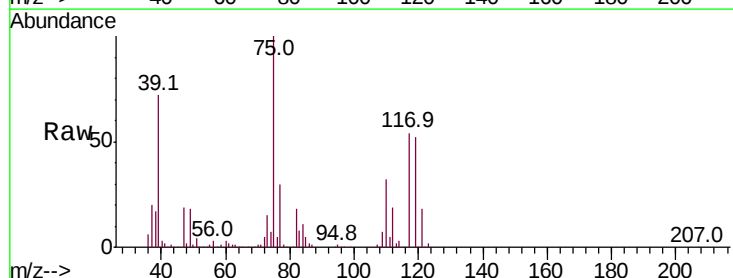
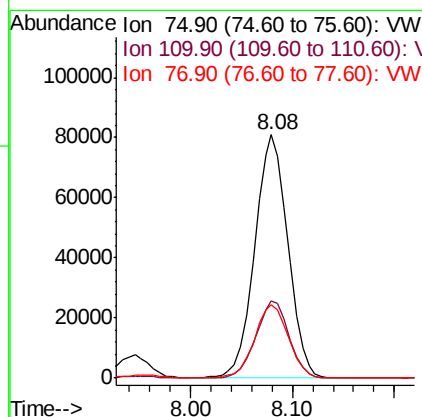
Manual Integrations
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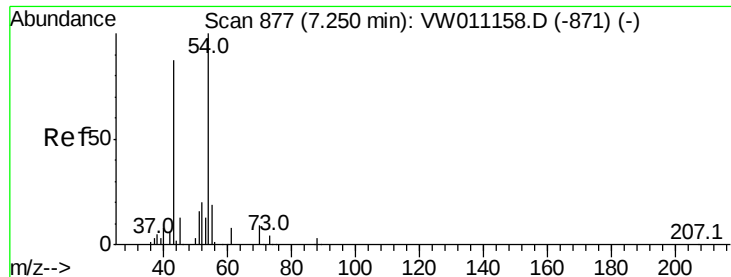
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#36
 1,1-Dichloropropene
 Concen: 54.978 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion: 75 Resp: 182664
 Ion Ratio Lower Upper
 75 100
 110 31.8 15.9 47.6
 77 31.0 24.6 36.8





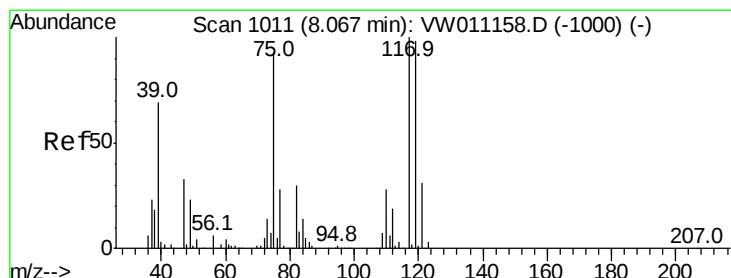
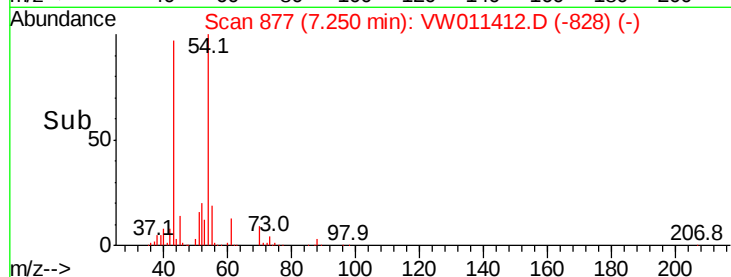
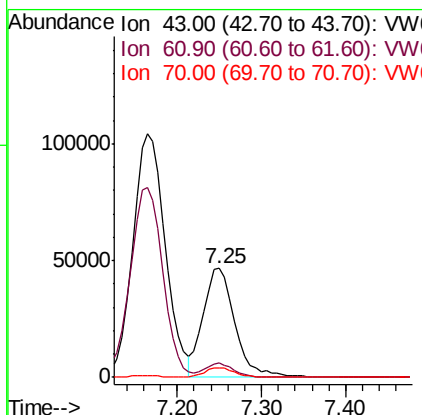
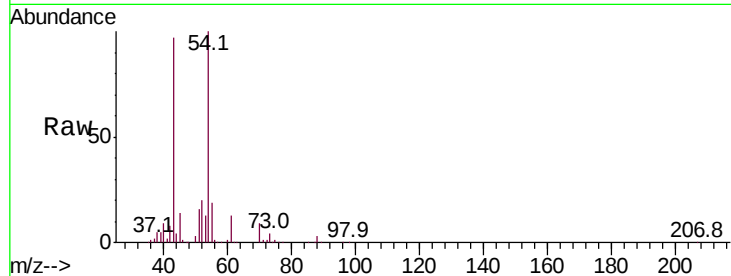
#37
Ethyl Acetate
Concen: 60.718 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.5	14.3
70	8.8	7.1	10.7

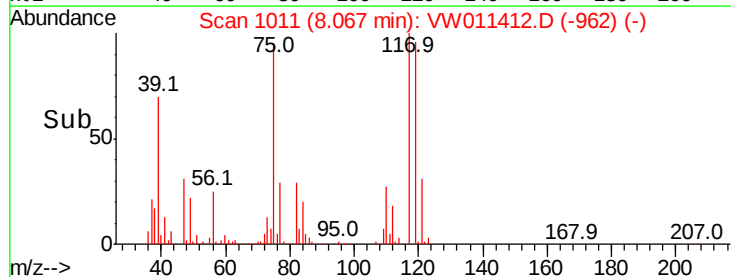
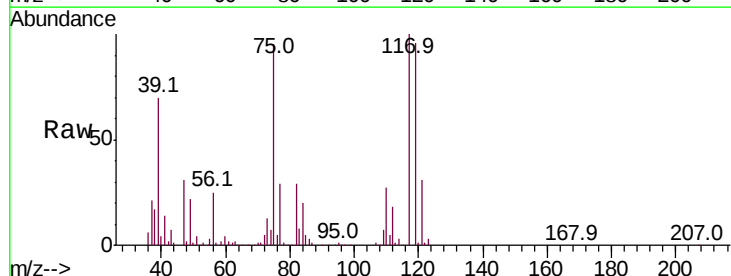
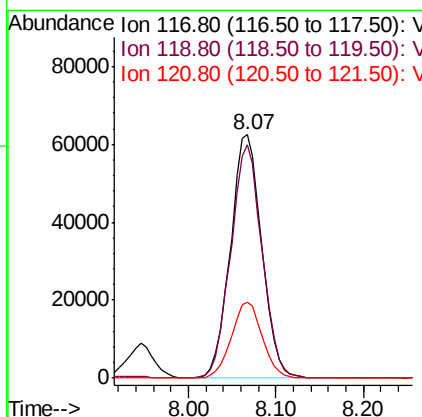
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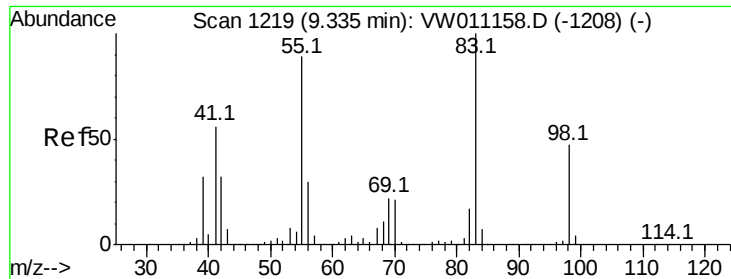
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#38
Carbon Tetrachloride
Concen: 55.064 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.1	117.1
121	31.3	25.1	37.7





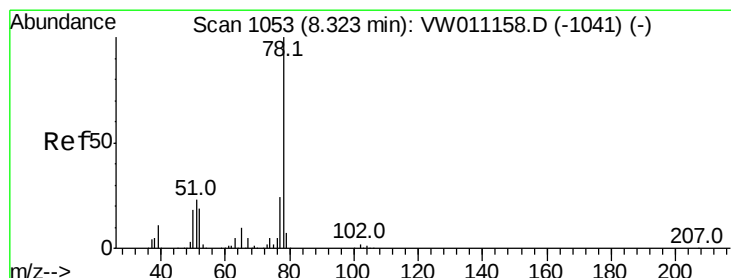
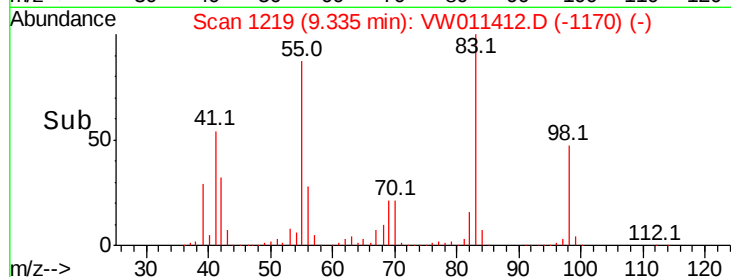
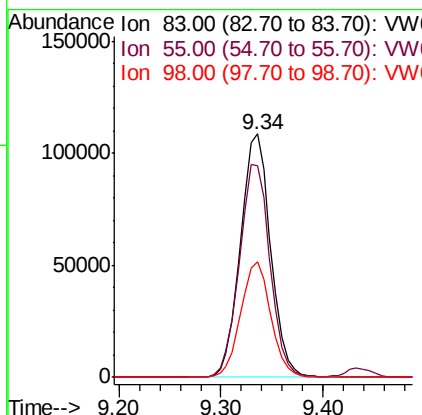
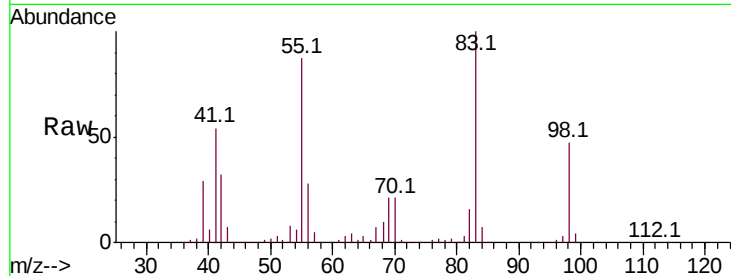
#39
Methvlcvclohexane
Concen: 55.573 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	71.2	106.8
98	47.2	37.5	56.3

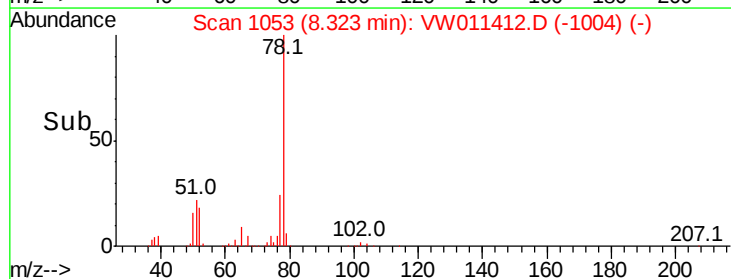
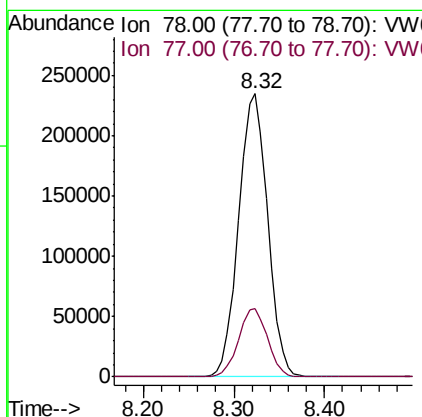
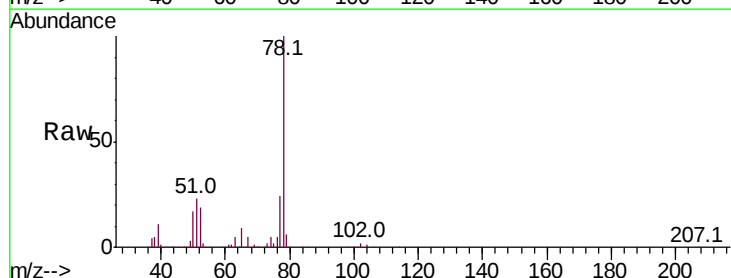
Manual Integrations
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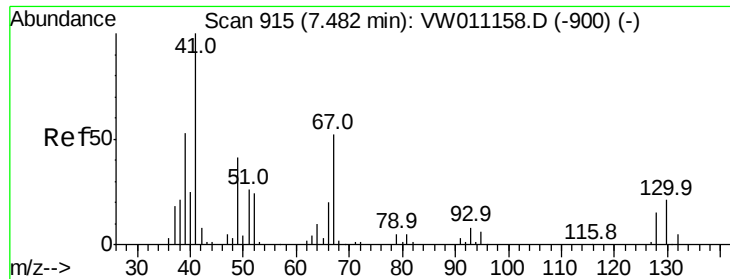
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#40
Benzene
Concen: 56.687 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





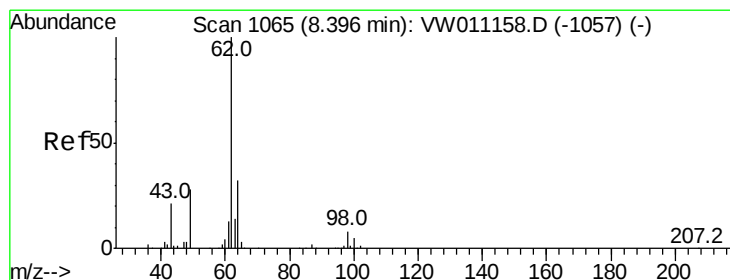
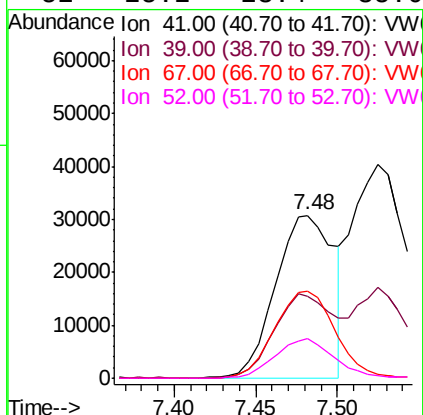
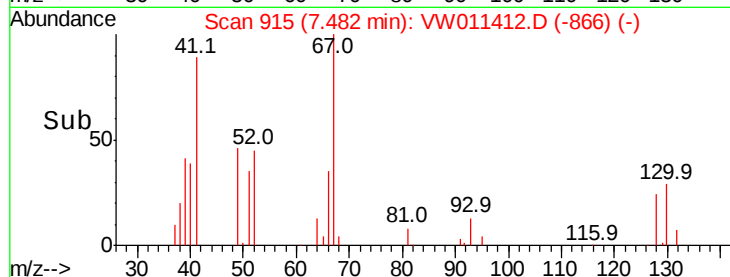
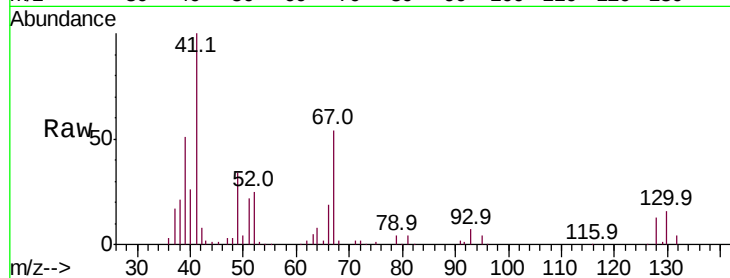
#41
Methacrylonitrile
Concen: 66.960 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	48.0	72.0
67	55.7	49.7	74.5
52	25.2	23.4	35.0

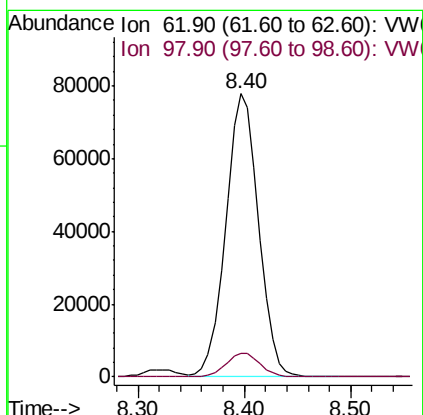
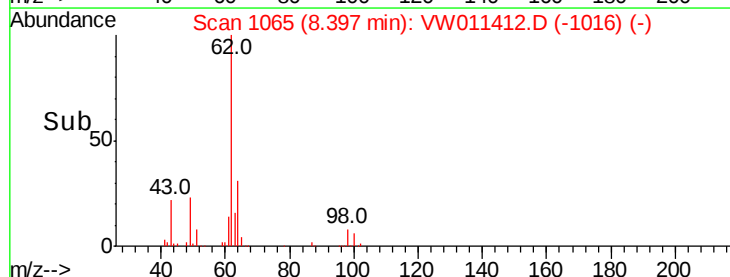
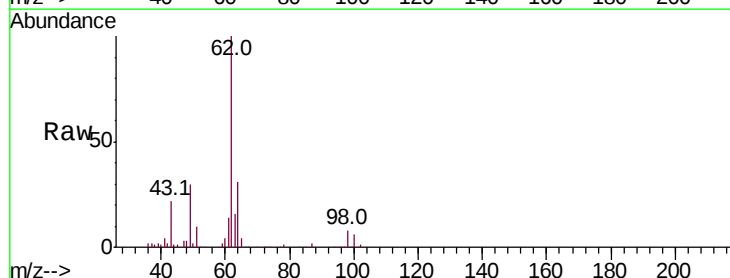
Manual Integrations
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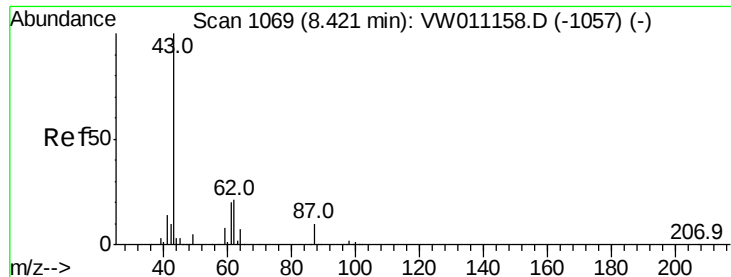
MMDadoda
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#42
1,2-Dichloroethane
Concen: 56.030 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





#43

Isopropyl Acetate

Concen: 59.647 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

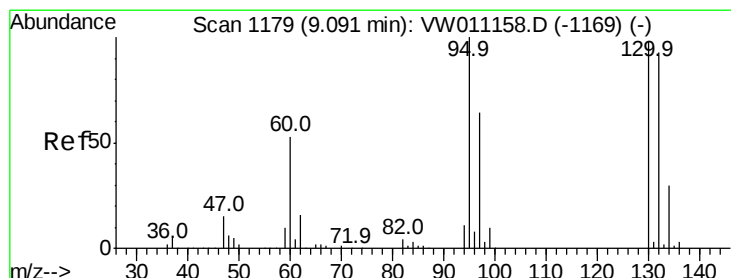
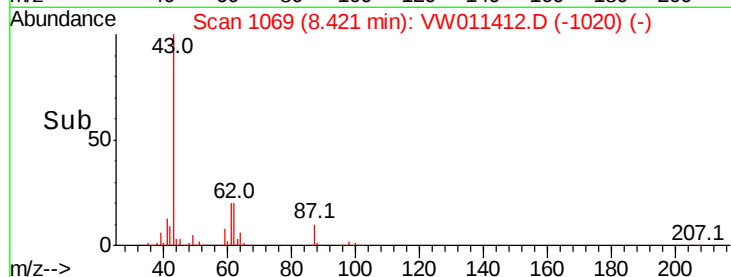
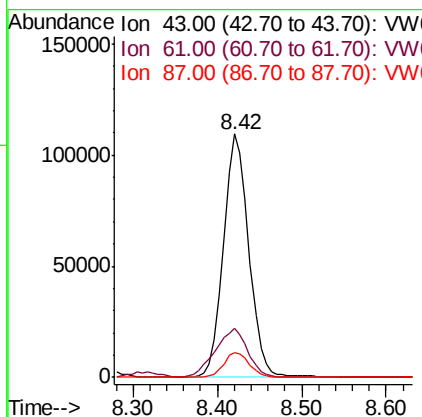
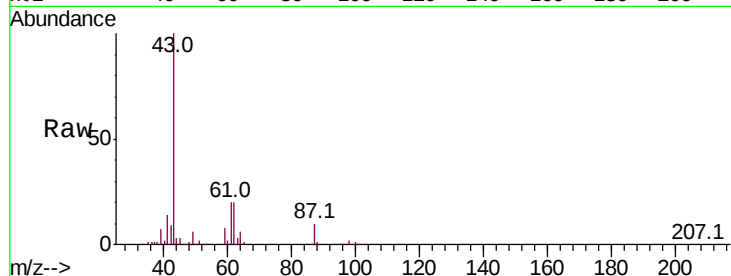
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	224800
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	10.4	8.1	12.1

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#44

Trichloroethene

Concen: 56.750 ug/l

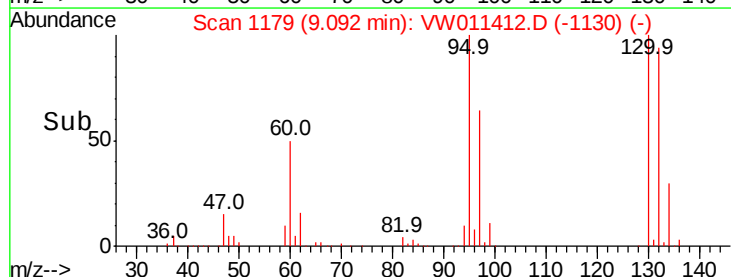
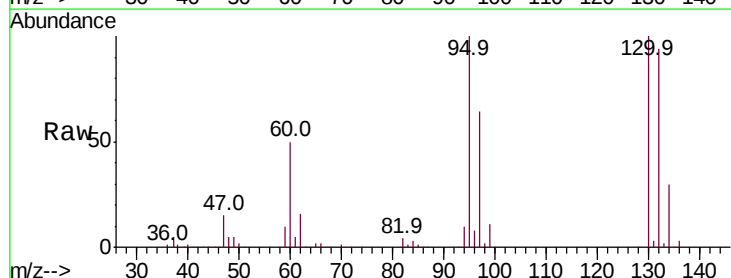
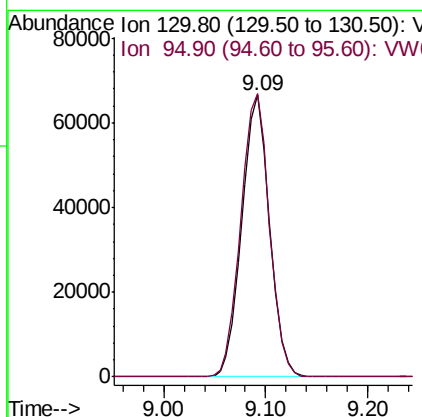
RT: 9.09 min Scan# 1179

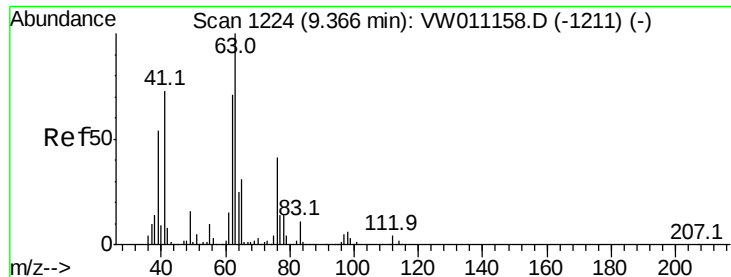
Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion:	130	Resp:	125393
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	203.6





#45

1,2-Dichloropropane

Concen: 57.648 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 143339

Ion Ratio Lower Upper

63 100

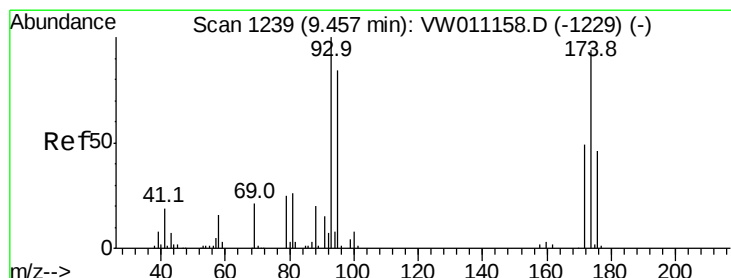
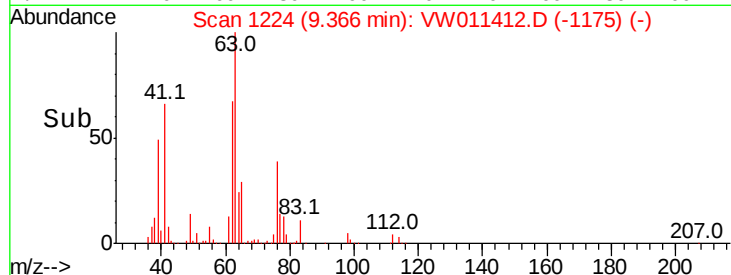
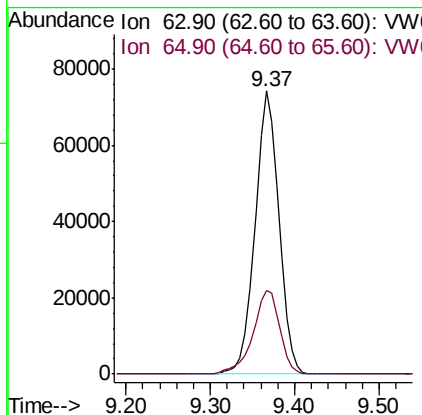
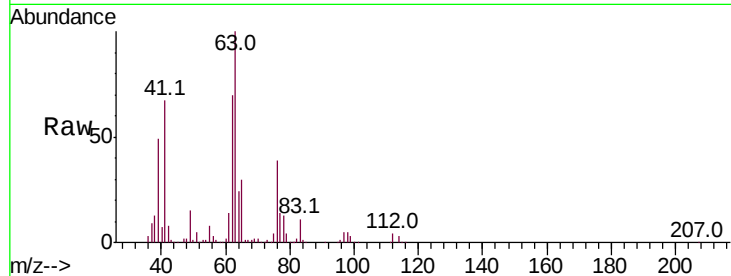
65 29.8 24.4 36.6

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#46

Dibromomethane

Concen: 57.778 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

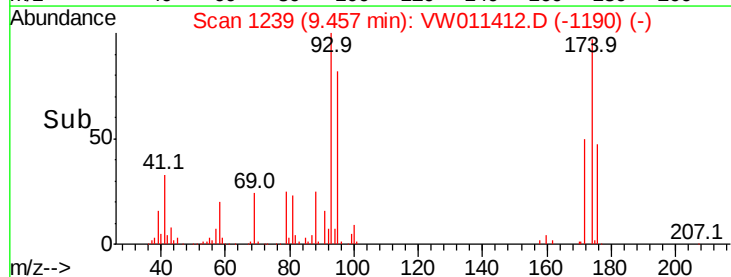
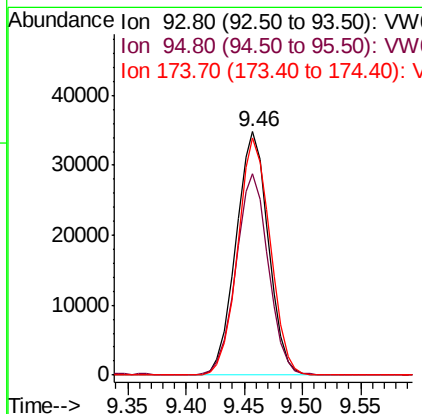
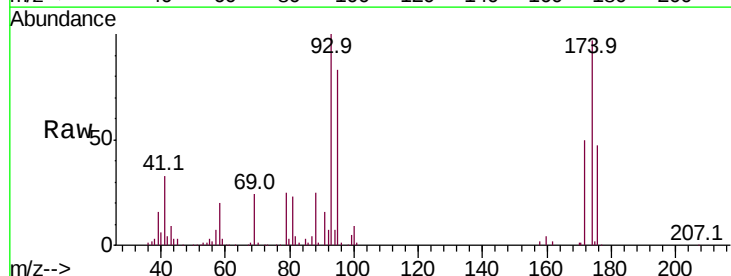
Tgt Ion: 93 Resp: 67485

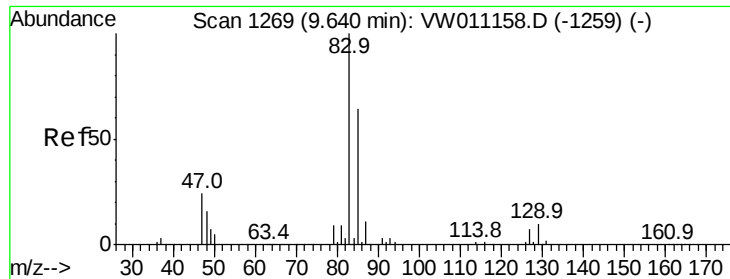
Ion Ratio Lower Upper

93 100

95 82.7 67.2 100.8

174 97.5 76.3 114.5





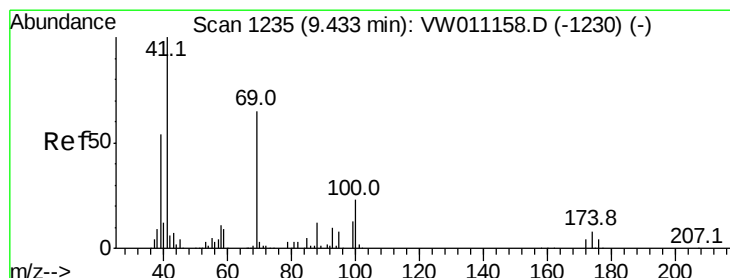
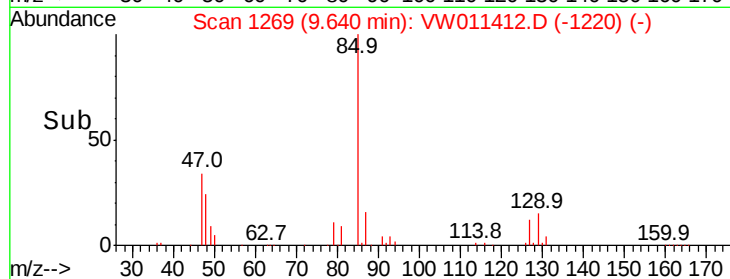
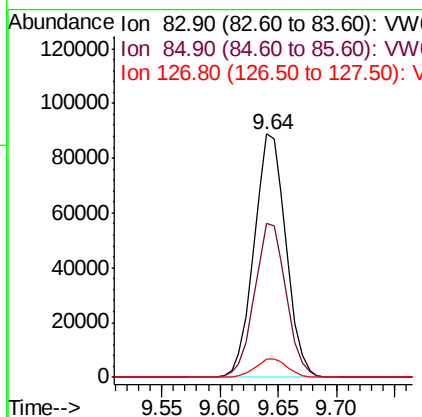
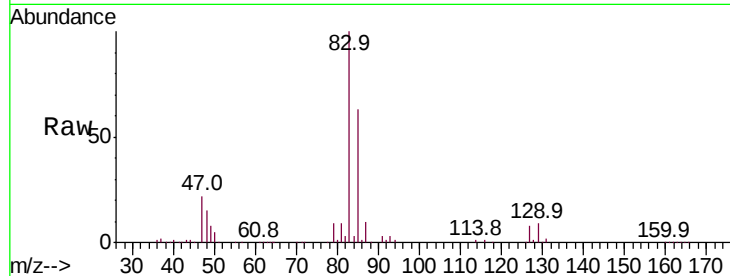
#47
Bromodichloromethane
Concen: 56.775 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	169677
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.0	76.4
127	7.6	6.0	9.0

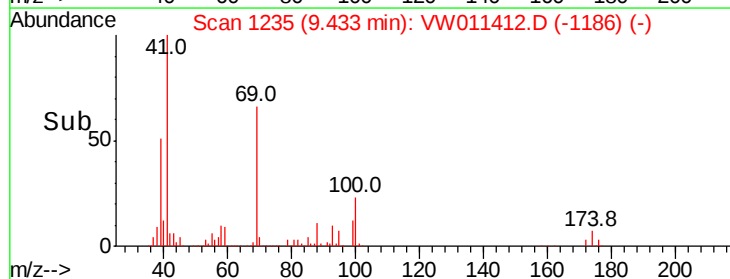
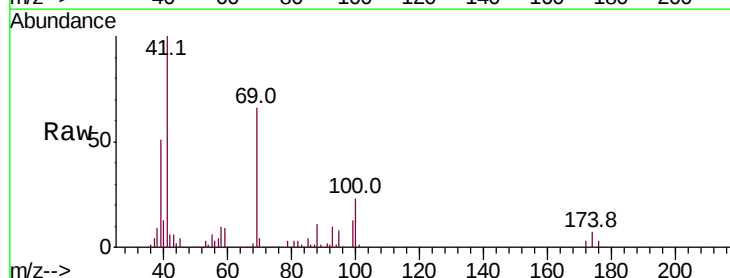
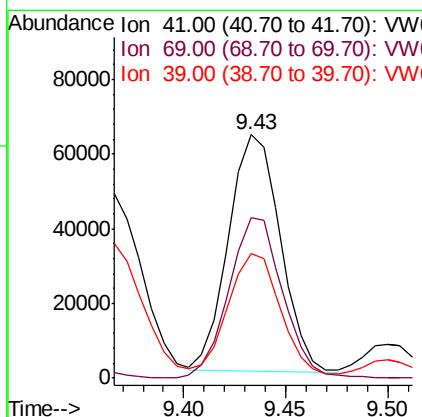
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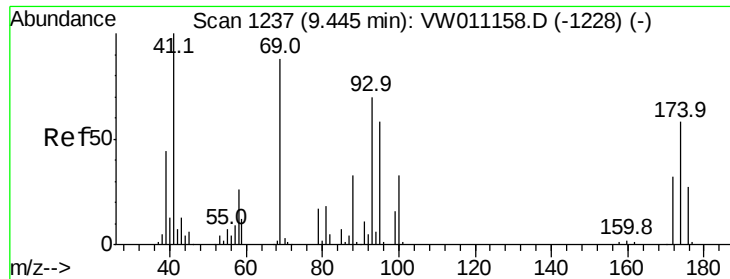
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#48
Methyl methacrylate
Concen: 61.570 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	41	Resp	111638
Ion Ratio	Lower	Upper	
41	100		
69	70.8	56.0	84.0
39	50.5	43.5	65.3





#49

1,4-Dioxane

Concen: 1282.812 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

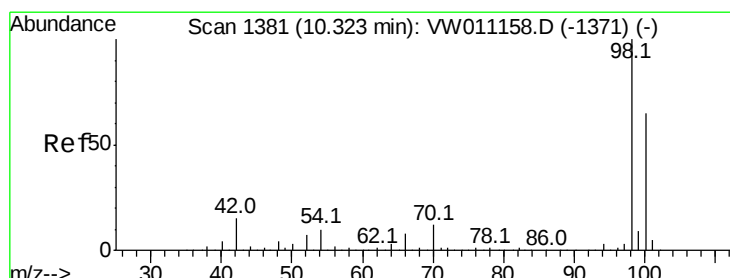
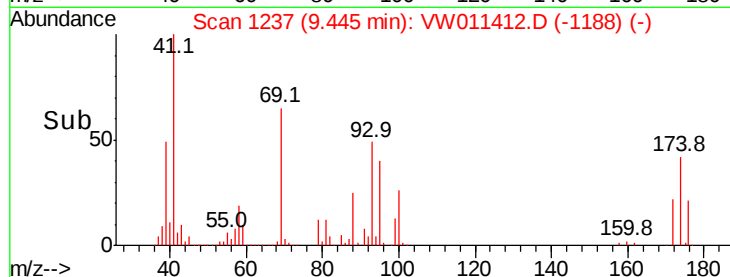
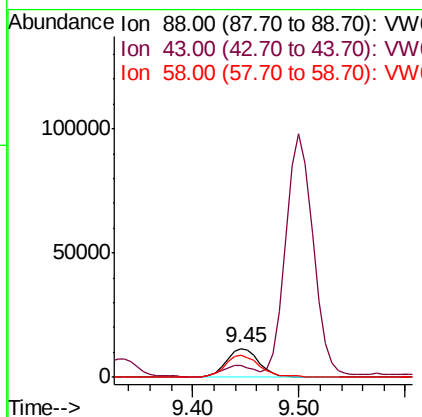
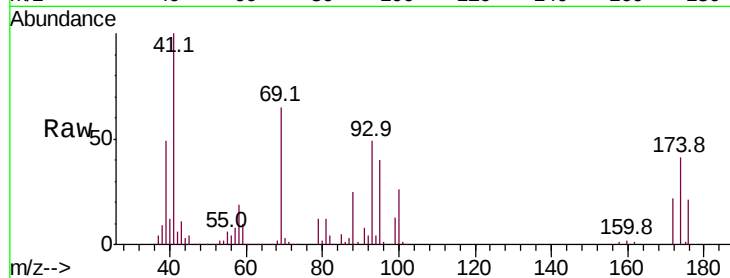
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	25010
Ion	Ratio	Lower	Upper
88	100		
43	37.6	33.4	50.0
58	82.5	64.5	96.7

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#50

Toluene-d8

Concen: 50.267 ug/l

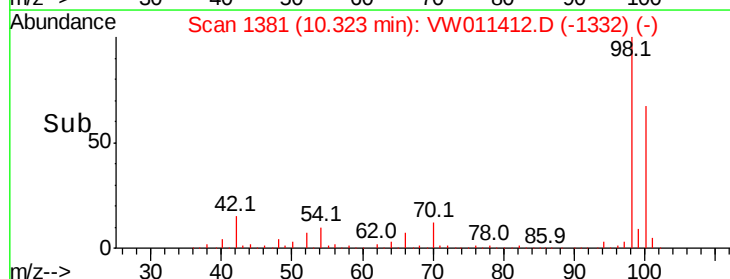
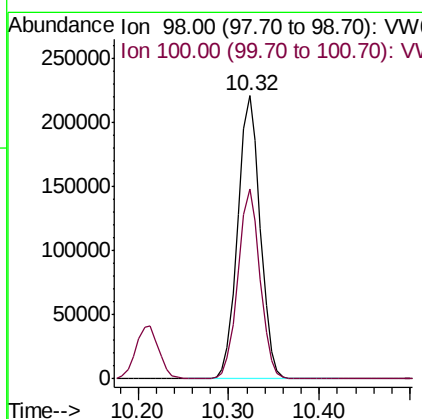
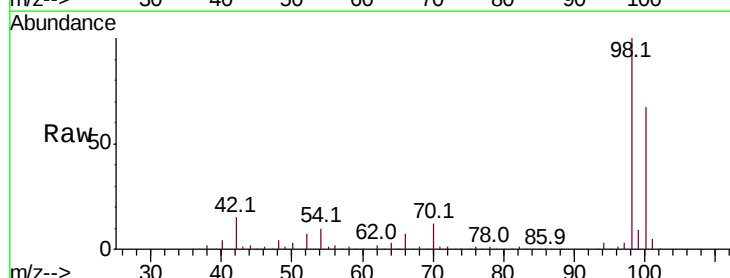
RT: 10.32 min Scan# 1381

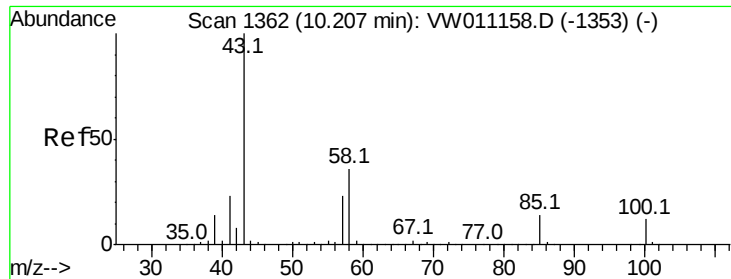
Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion:	98	Resp:	377854
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





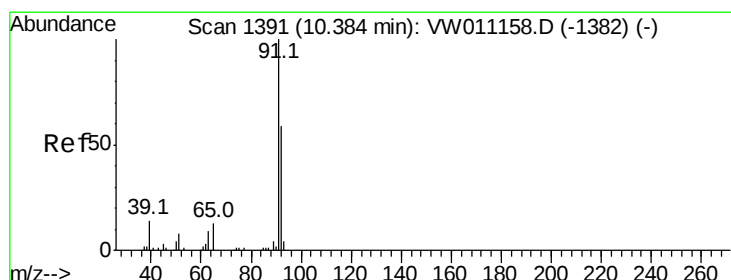
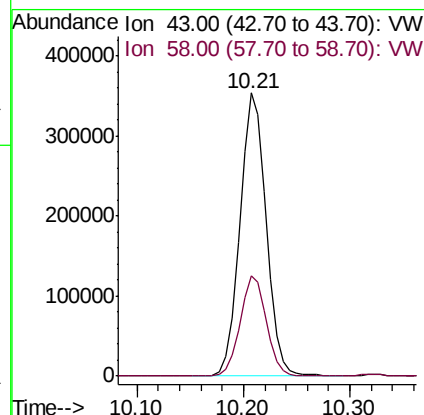
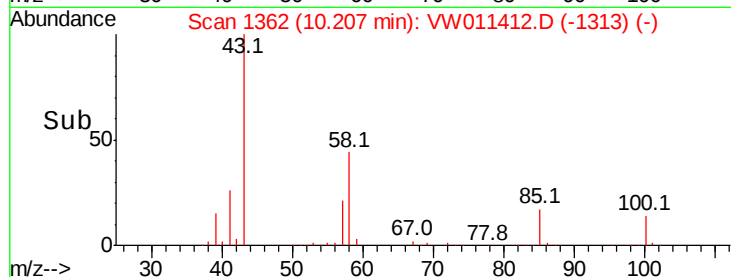
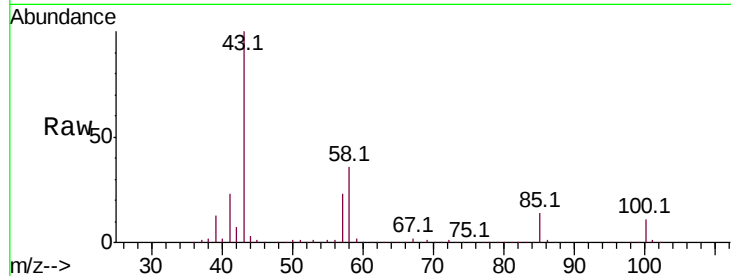
#51
4-Methyl-2-Pentanone
Concen: 310.953 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.2	42.2

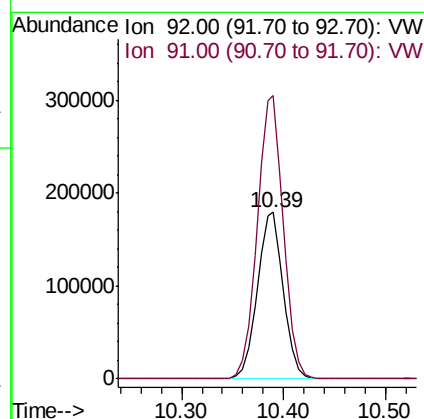
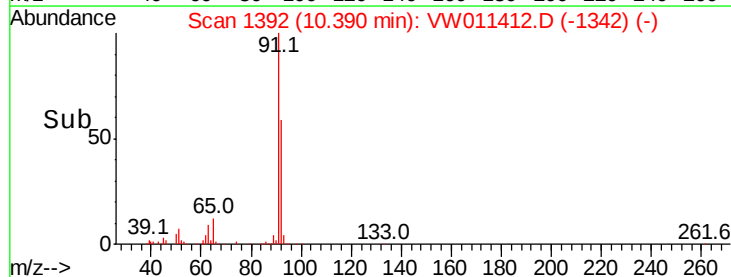
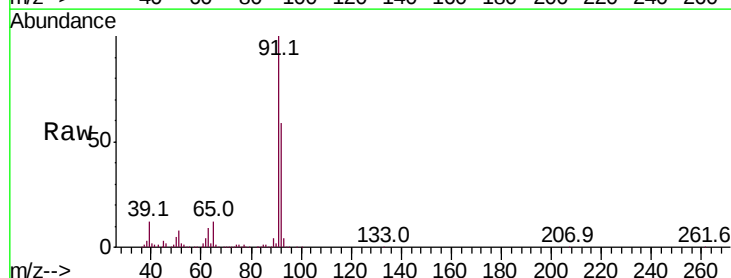
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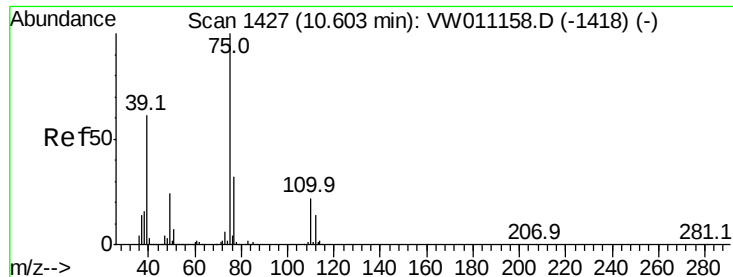
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#52
Toluene
Concen: 56.811 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 53.742 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 170960

Ion Ratio Lower Upper

75 100

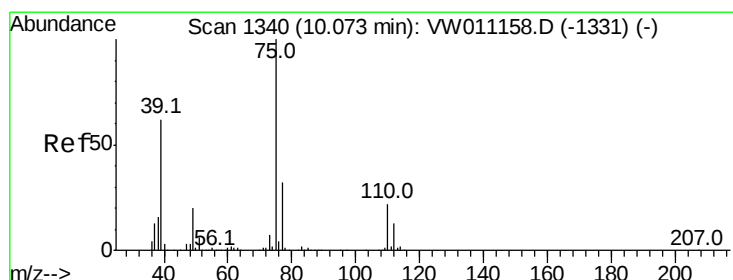
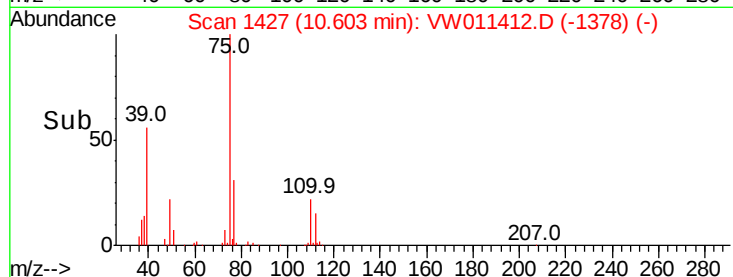
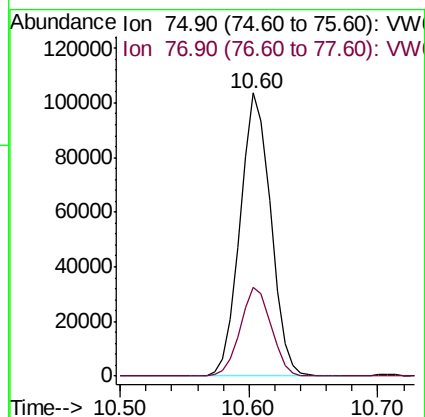
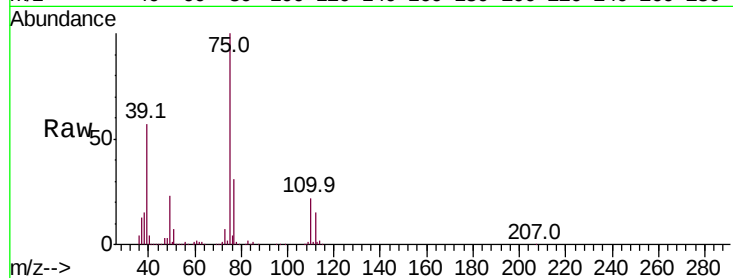
77 31.3 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 53.616 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

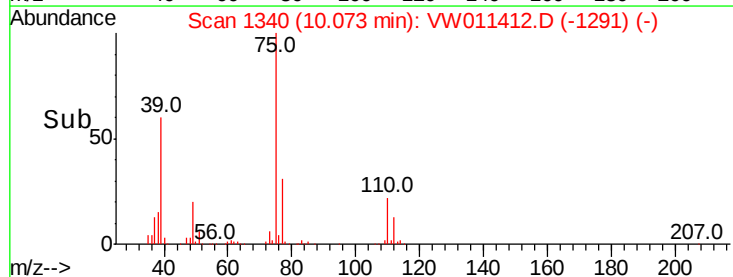
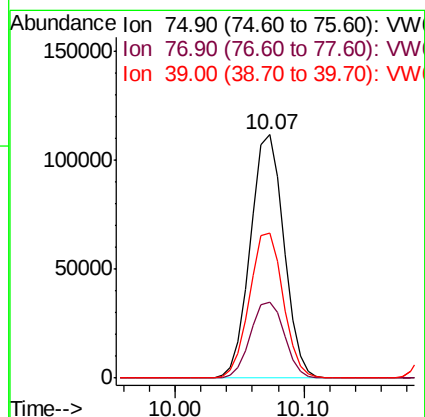
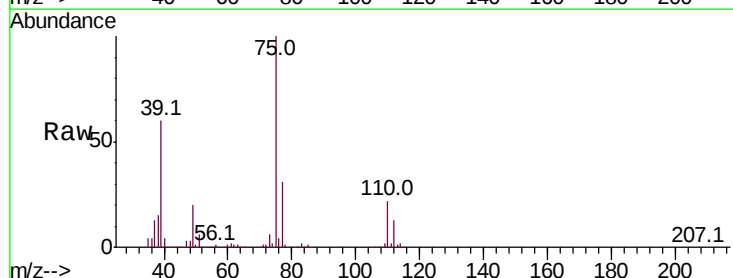
Tgt Ion: 75 Resp: 200758

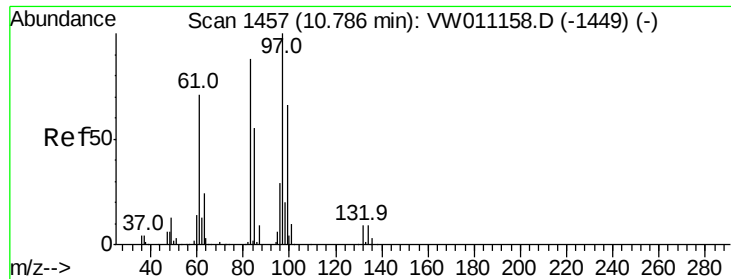
Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5

39 59.7 49.8 74.8





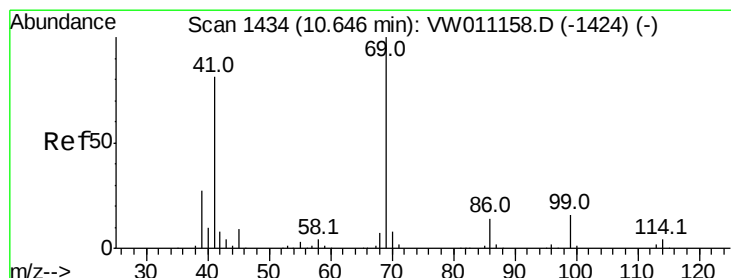
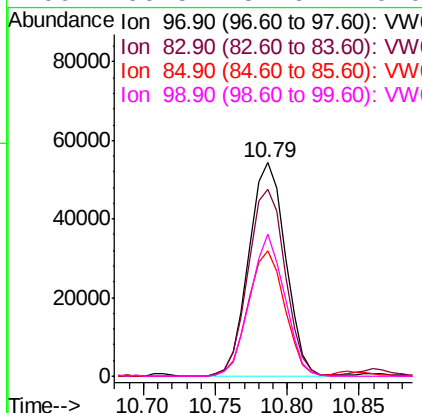
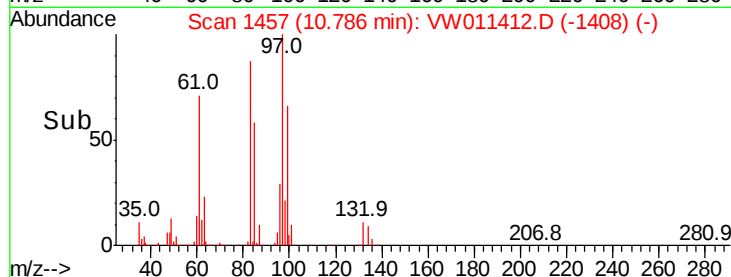
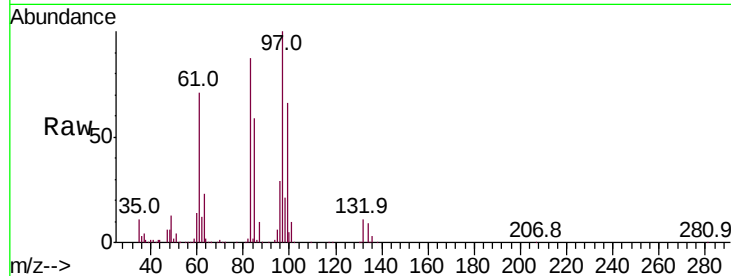
#55
 1,1,2-Trichloroethane
 Concen: 57.937 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp:	96002
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.2	105.4
85	58.7	44.2	66.2
99	66.5	52.6	79.0

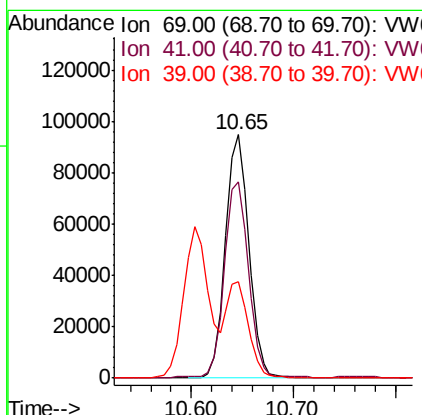
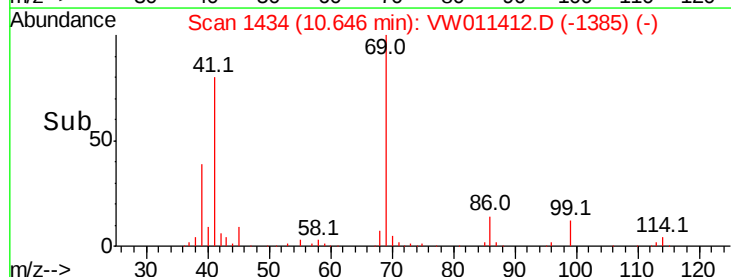
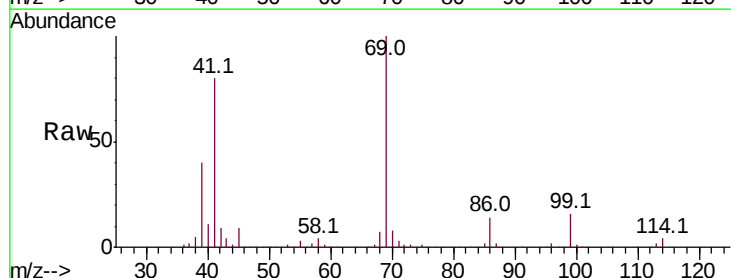
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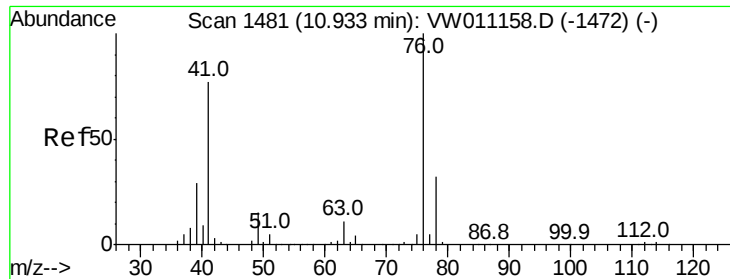
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#56
 Ethyl methacrylate
 Concen: 59.997 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion	69	Resp:	151358
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.5	99.7
39	37.2	32.5	48.7





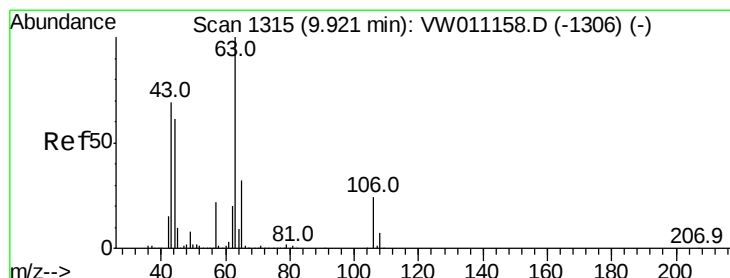
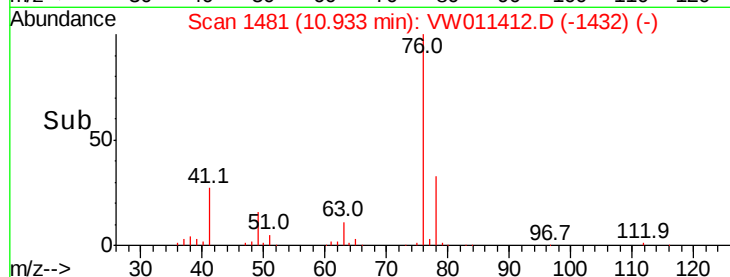
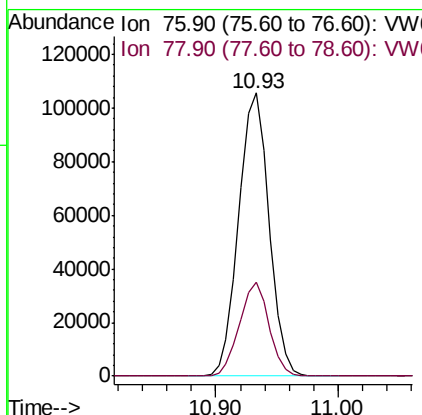
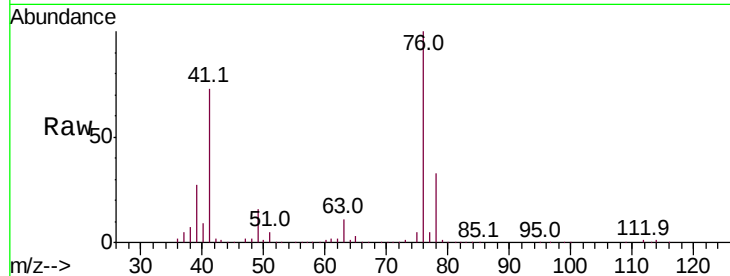
#57
 1,3-Dichloropropane
 Concen: 58.091 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 182024
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2

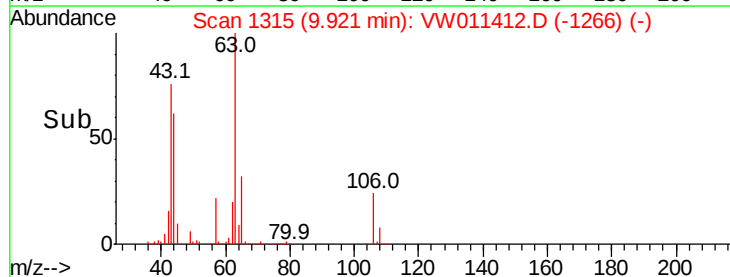
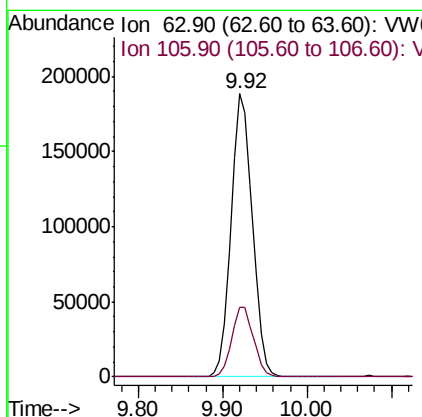
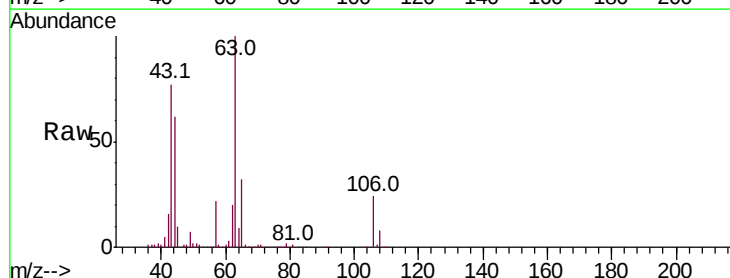
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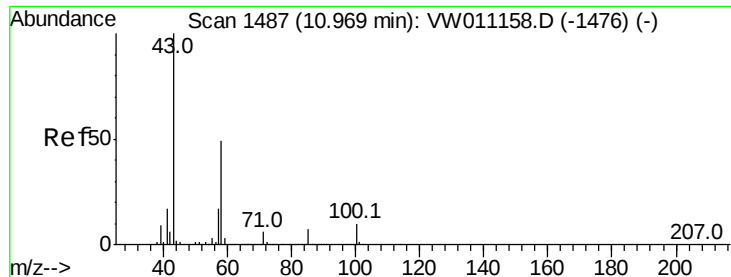
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#58
 2-Chloroethyl Vinyl ether
 Concen: 276.012 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion: 63 Resp: 322811
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.4 29.0





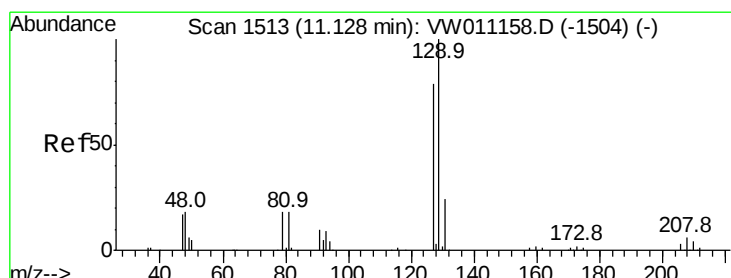
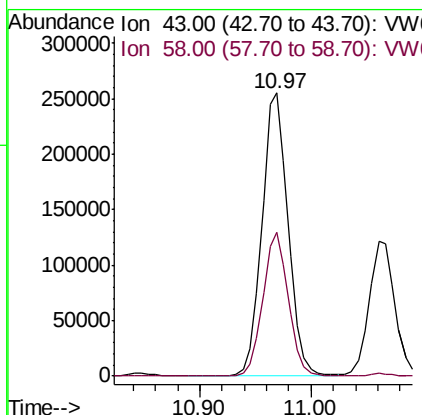
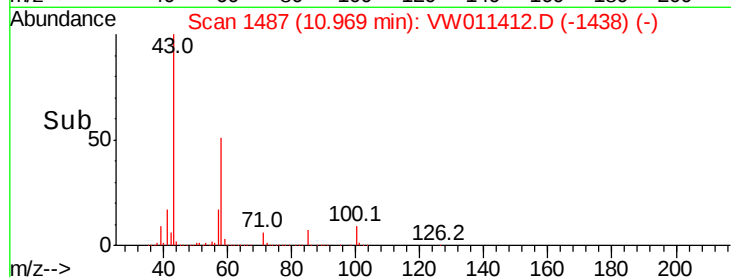
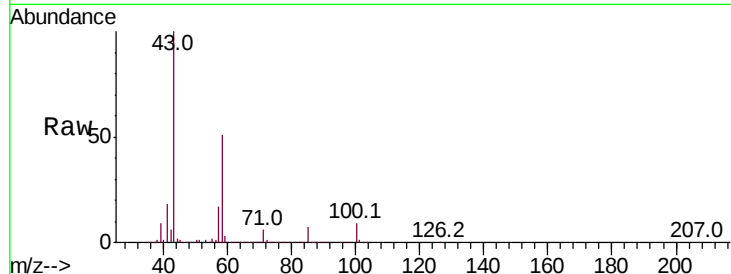
#59
2-Hexanone
Concen: 305.559 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 417189
Ion Ratio Lower Upper
43 100
58 49.6 24.4 73.4

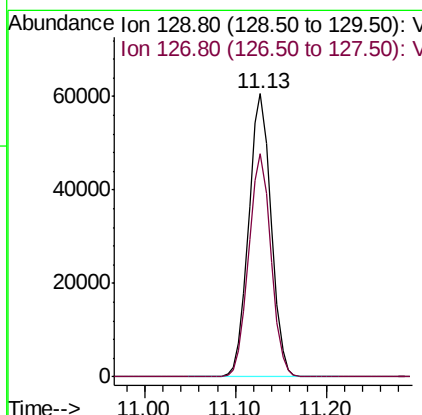
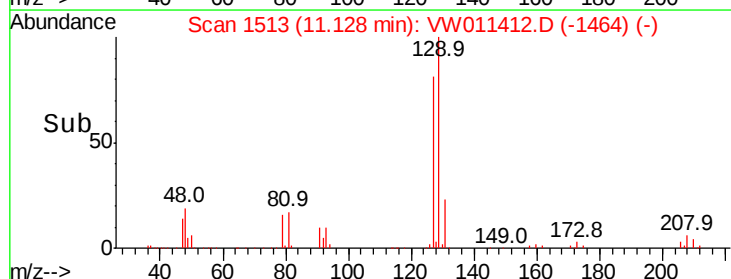
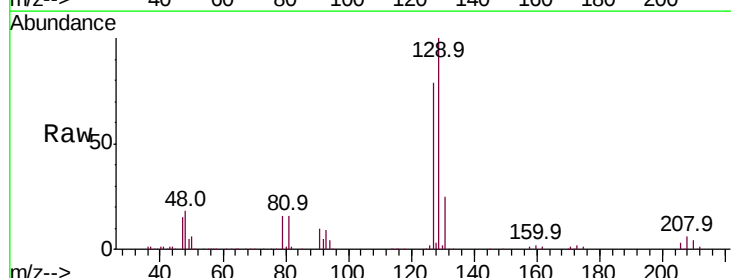
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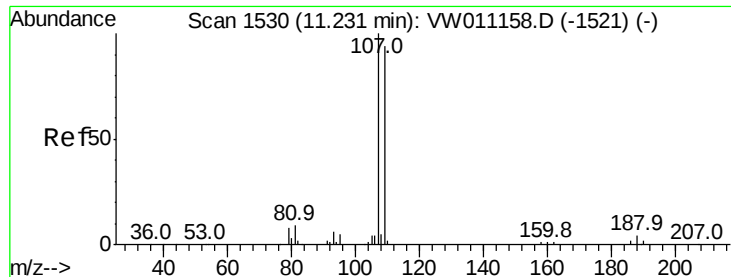
MMDadoda
7/22/2019 9:21:57 AM



#60
Dibromochloromethane
Concen: 57.488 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion: 129 Resp: 104458
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





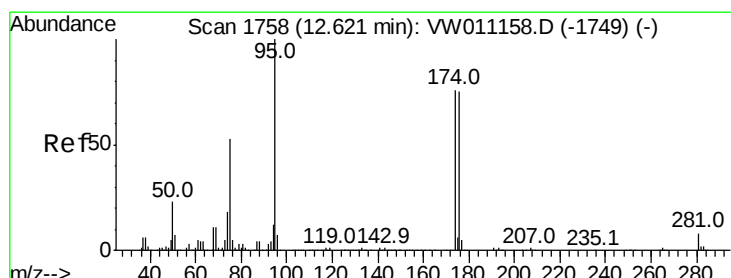
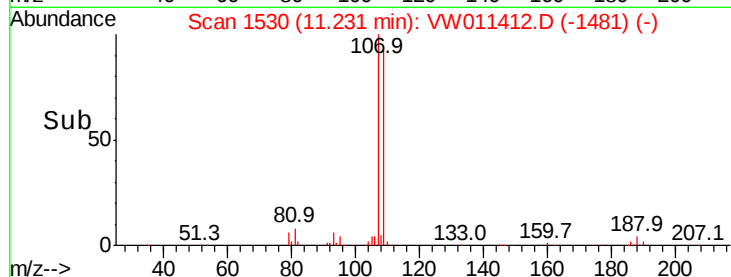
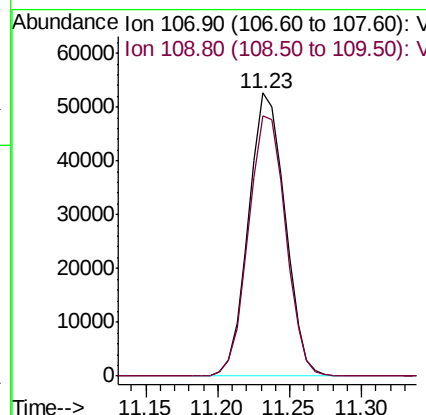
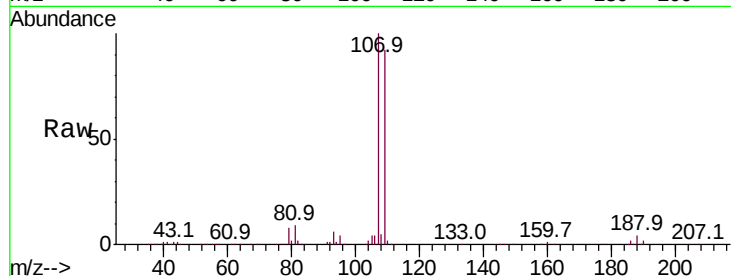
#61
 1,2-Dibromoethane
 Concen: 58.980 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.2	112.8

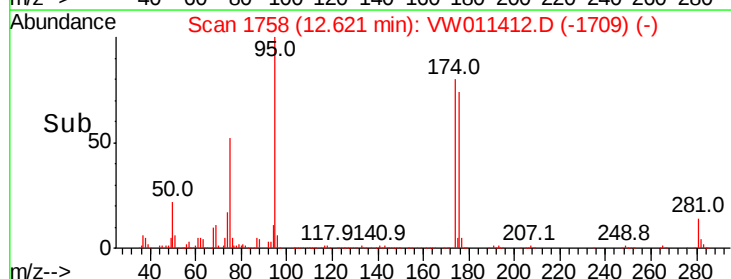
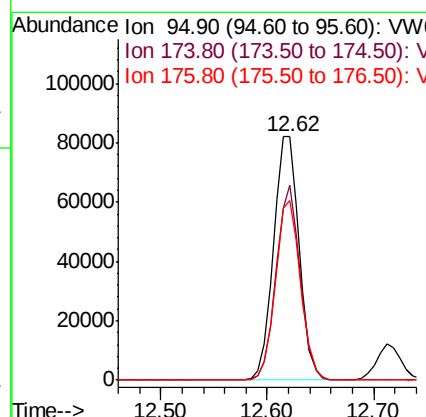
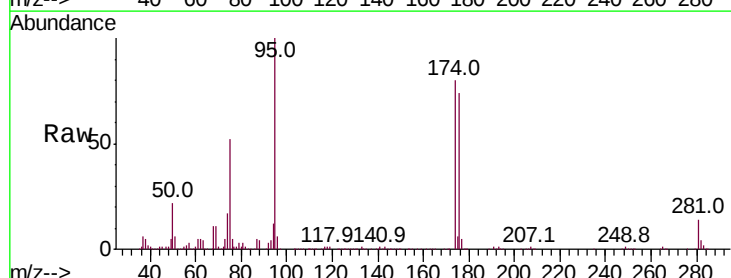
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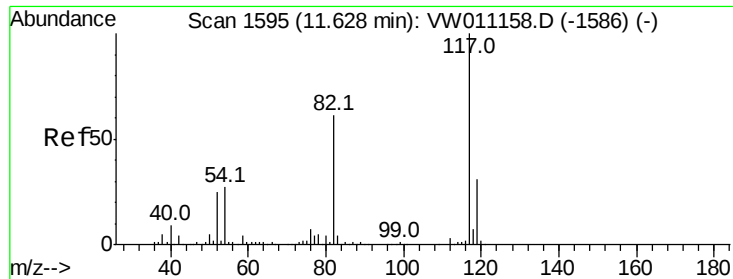
MMDadoda
 7/22/2019 9:21:57 AM



#62
 4-Bromofluorobenzene
 Concen: 50.112 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	147.6
176	71.6	0.0	144.6





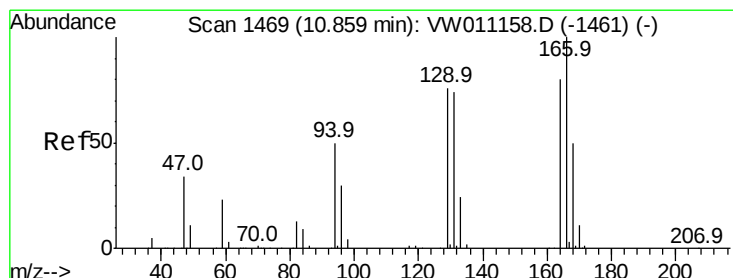
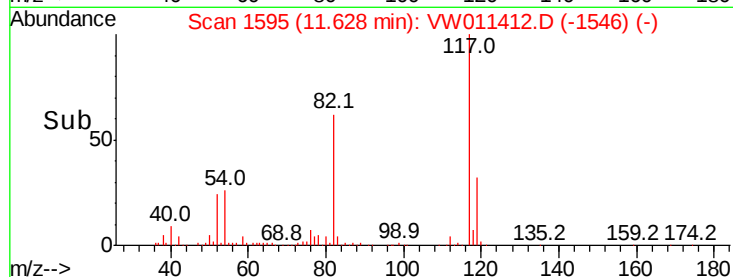
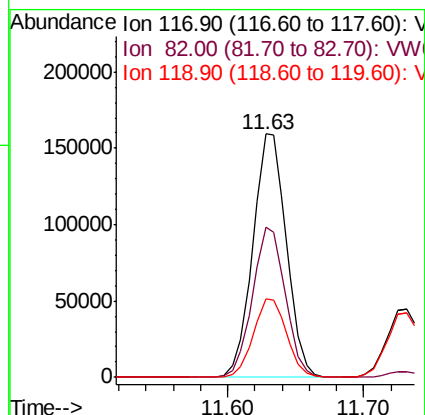
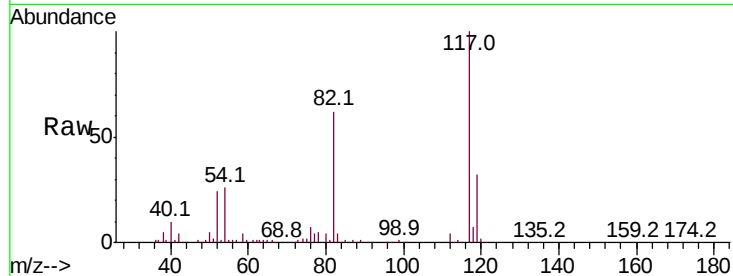
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	275470		
82	61.8	48.9	73.3	
119	32.3	25.0	37.6	

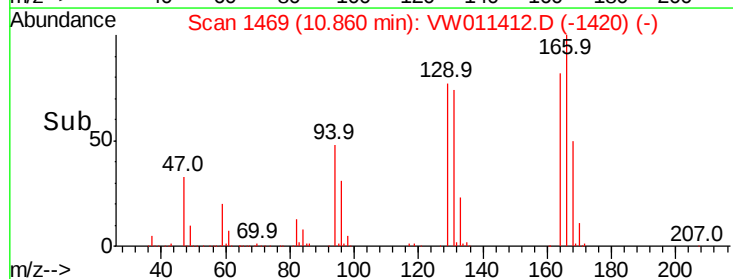
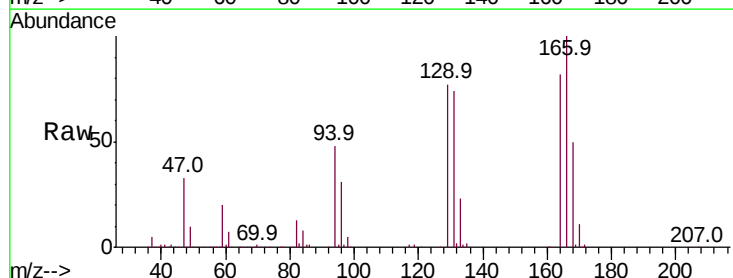
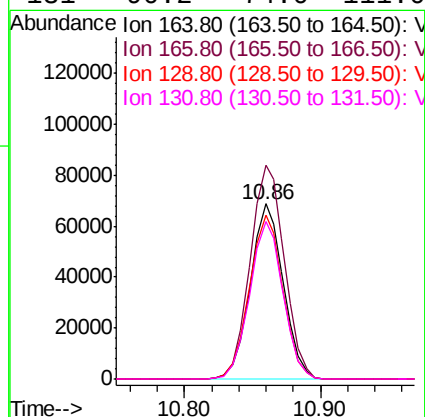
Manual Integrations
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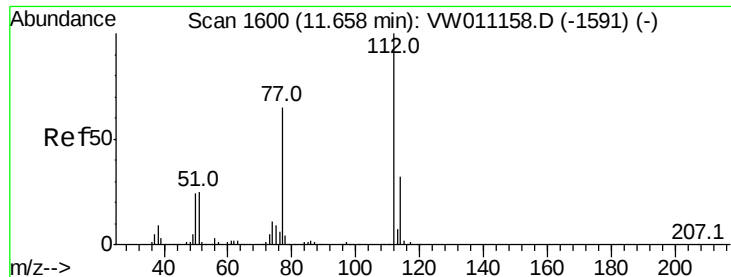
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#64
Tetrachloroethene
Concen: 62.828 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116786		
166	122.2	99.7	149.5	
129	93.9	76.2	114.2	
131	90.2	74.0	111.0	





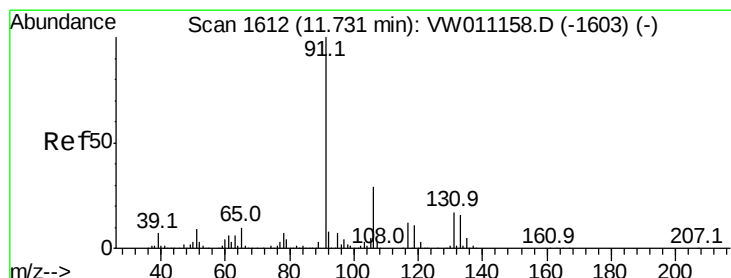
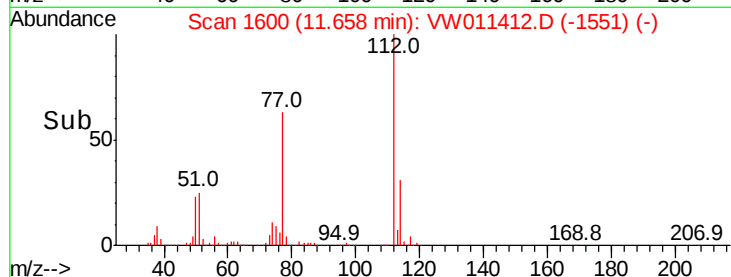
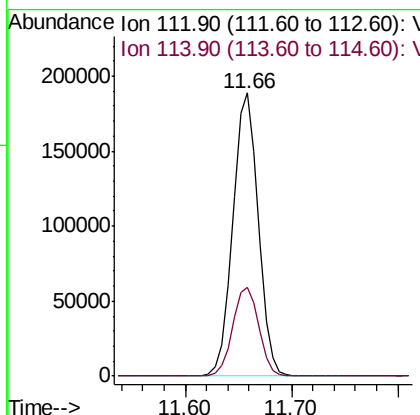
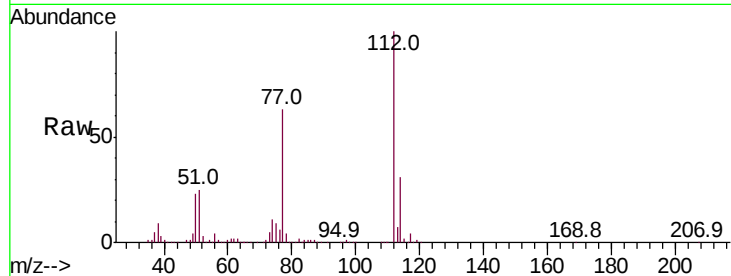
#65
Chlorobenzene
Concen: 56.364 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 315674
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3

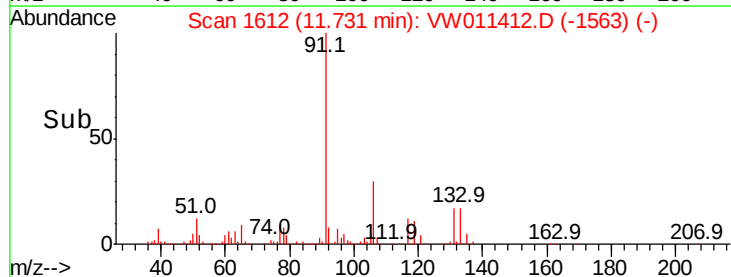
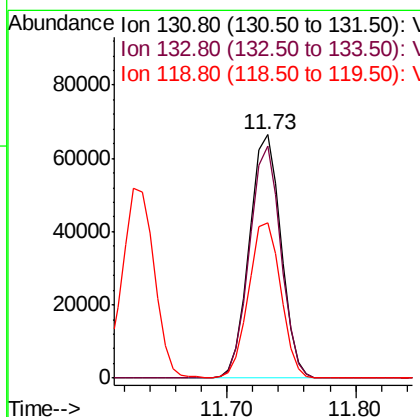
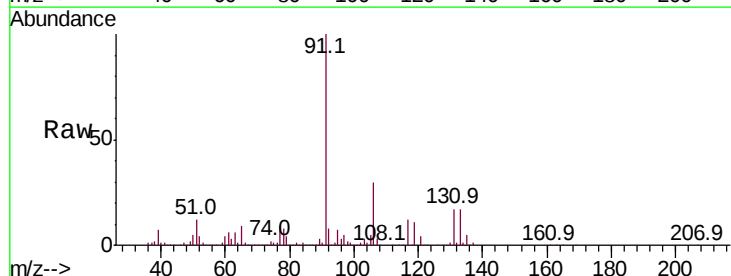
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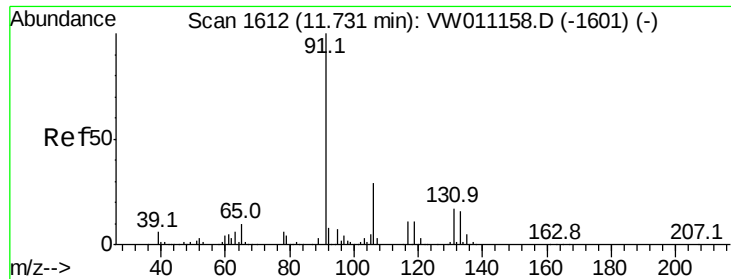
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.110 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion:131 Resp: 112619
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.8
119 65.3 33.1 99.2





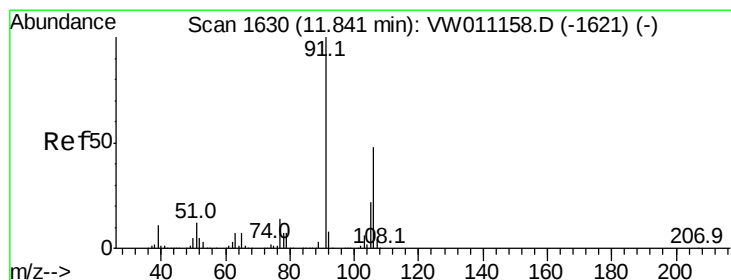
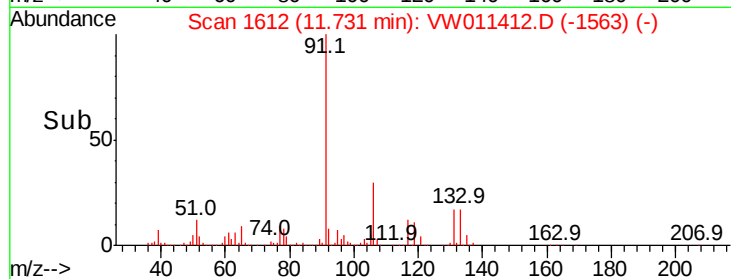
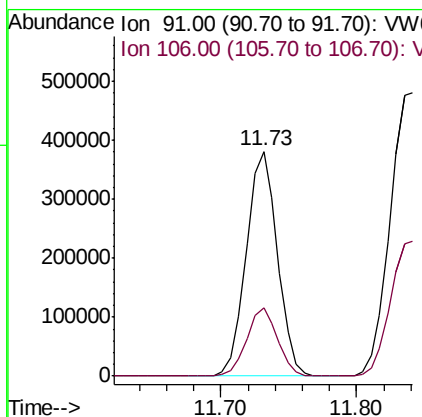
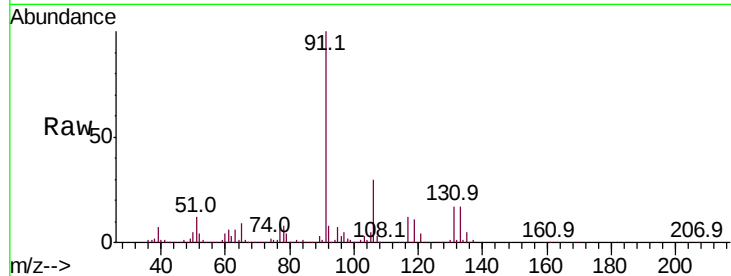
#67
Ethyl Benzene
Concen: 57.049 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.5	35.3

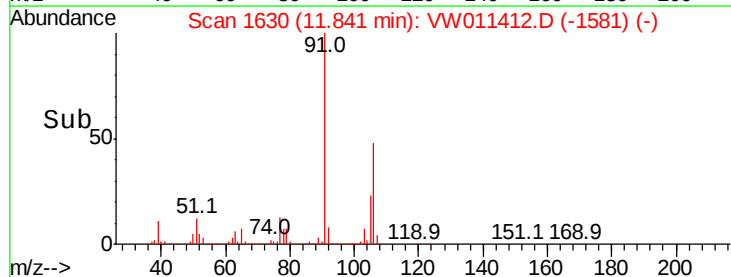
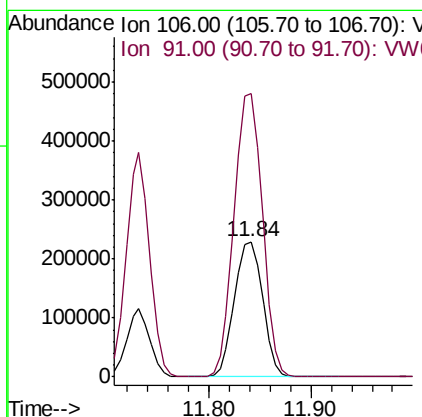
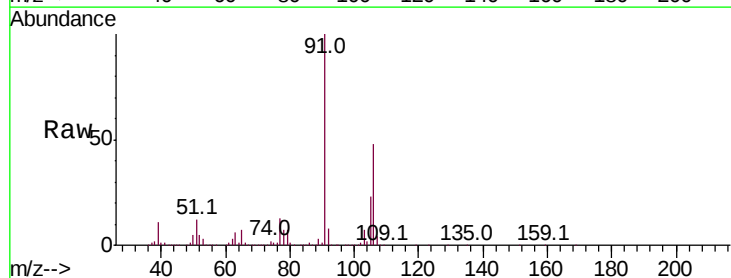
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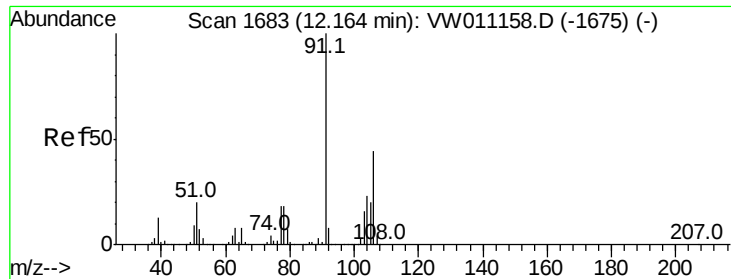
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#68
m/p-Xylenes
Concen: 113.338 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.3	167.7	251.5





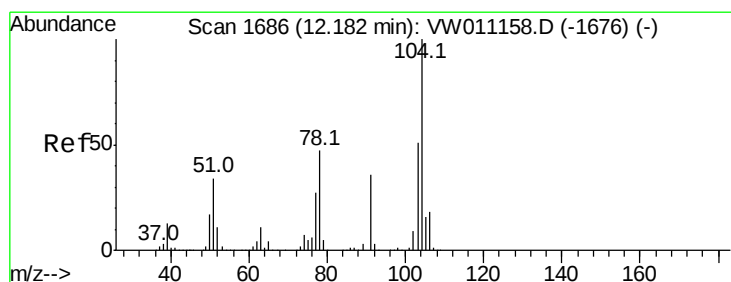
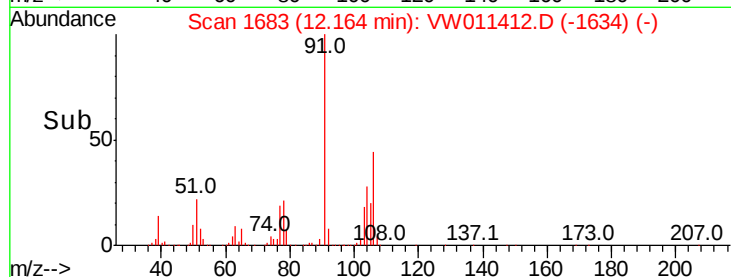
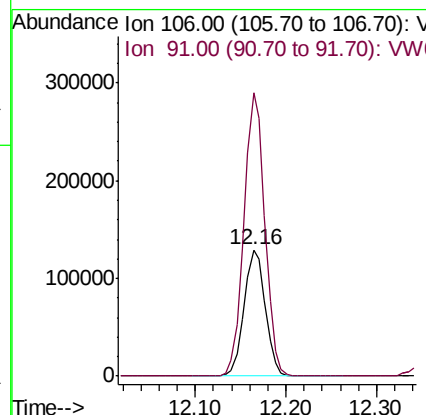
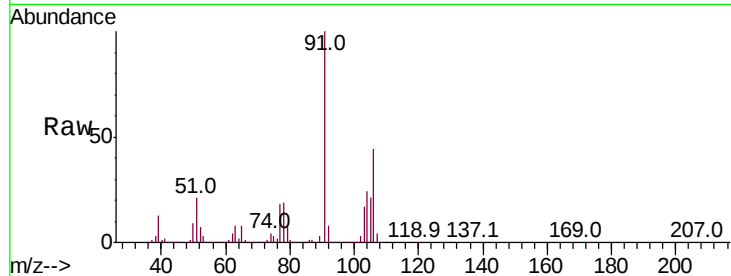
#69
o-Xylene
Concen: 57.209 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 209184
Ion Ratio Lower Upper
106 100
91 220.6 110.7 332.1

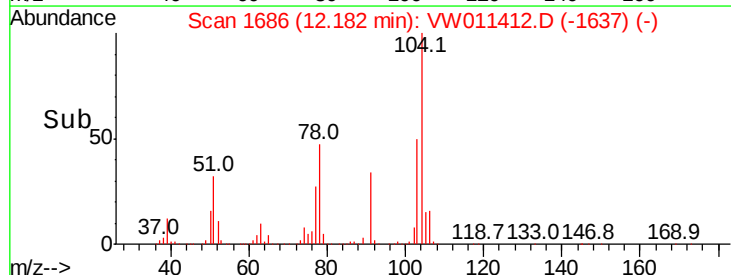
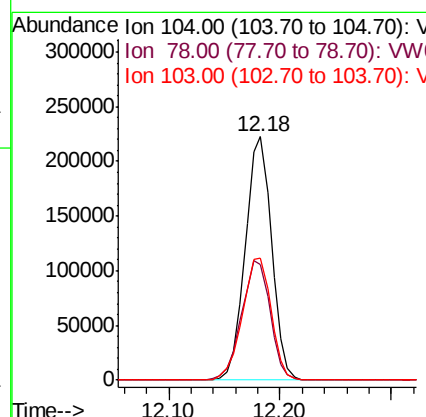
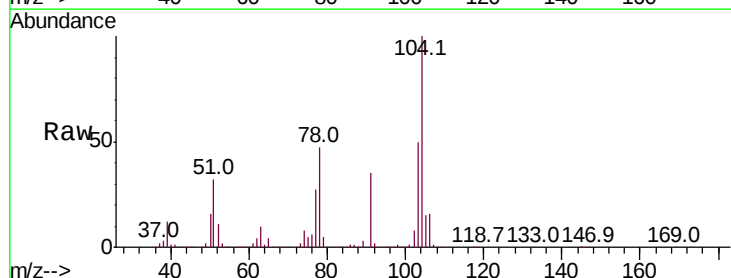
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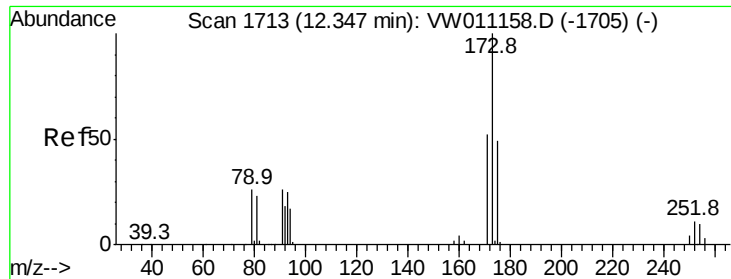
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#70
Styrene
Concen: 57.940 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion:104 Resp: 365632
Ion Ratio Lower Upper
104 100
78 53.3 43.1 64.7
103 54.7 44.1 66.1





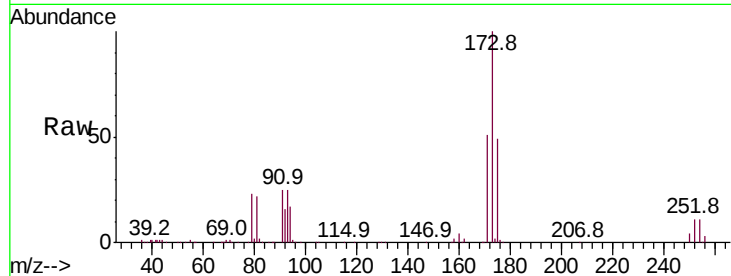
#71
Bromoform
Concen: 58.475 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

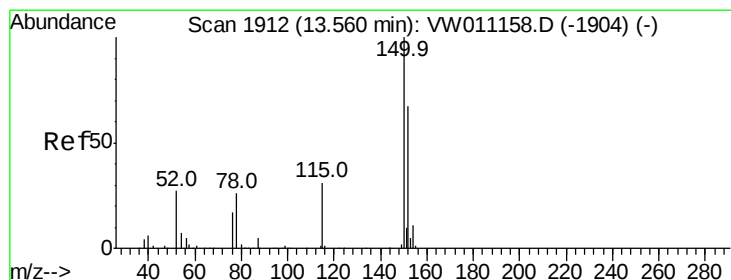
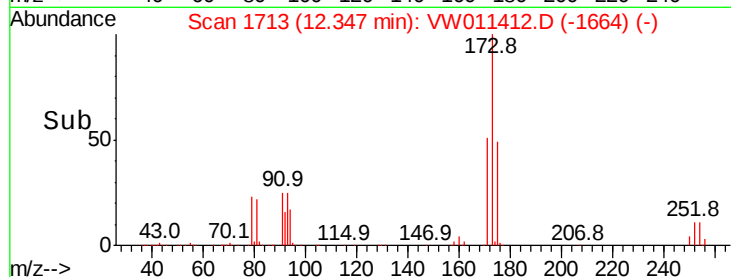
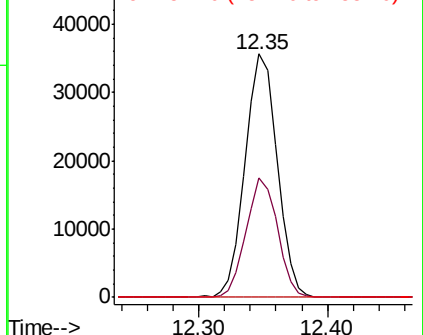
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.8	74.3
254	0.1	0.0	0.0

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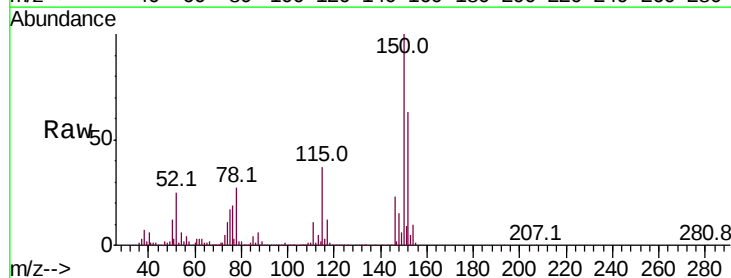


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

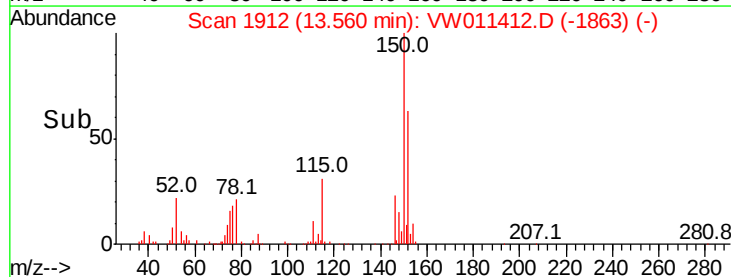
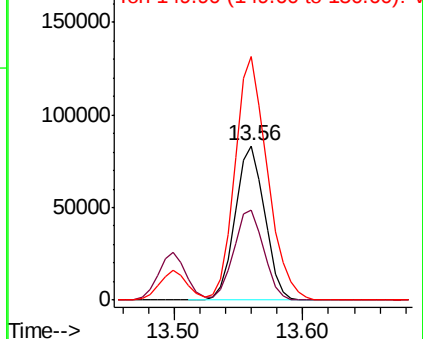


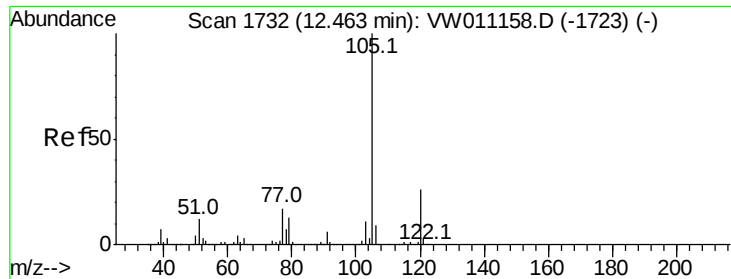
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.1	90.3
150	173.1	0.0	346.0



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





#73

Isopropylbenzene

Concen: 58.617 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 579042

Ion Ratio Lower Upper

105 100

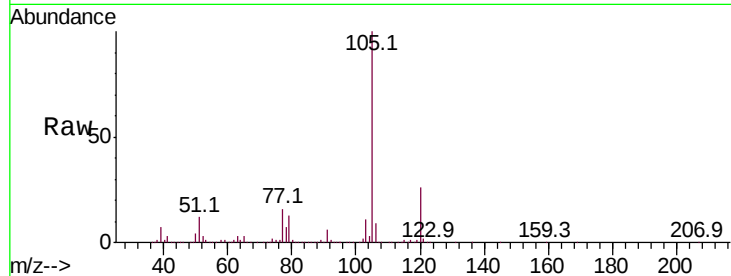
120 25.8 12.8 38.3

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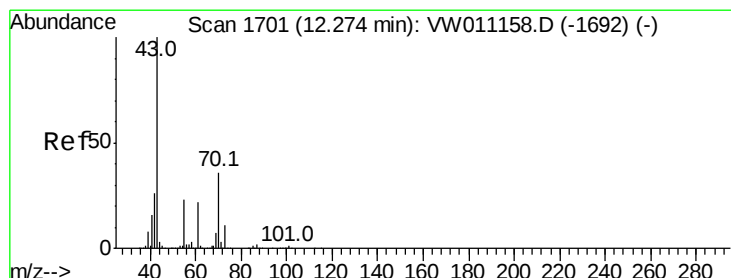
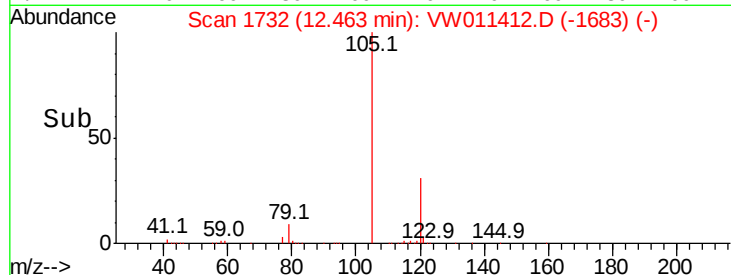
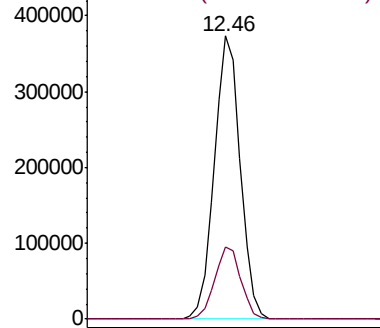
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.056 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion: 43 Resp: 199733

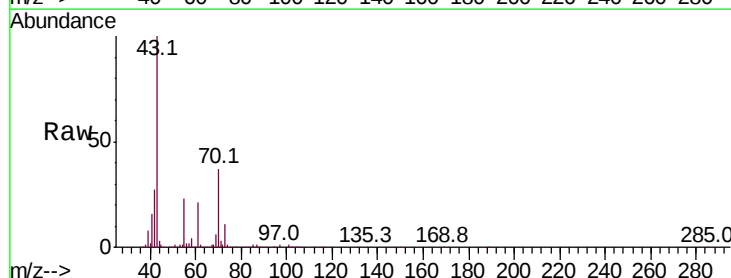
Ion Ratio Lower Upper

43 100

70 36.6 28.5 42.7

55 22.6 18.1 27.1

61 21.7 17.2 25.8

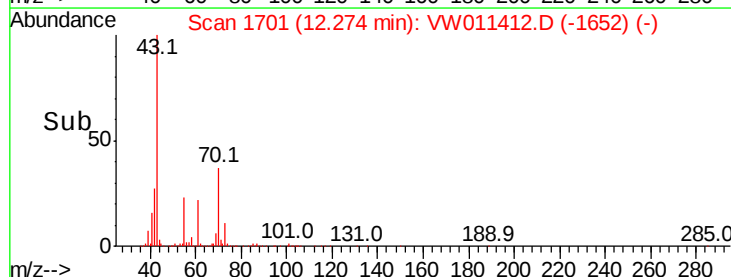
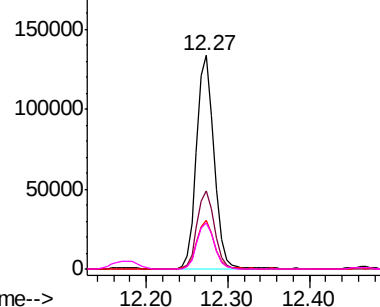


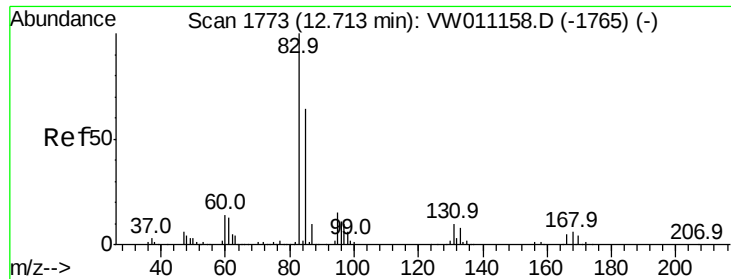
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 59.927 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

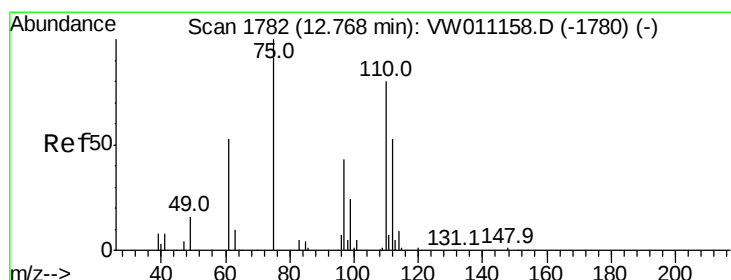
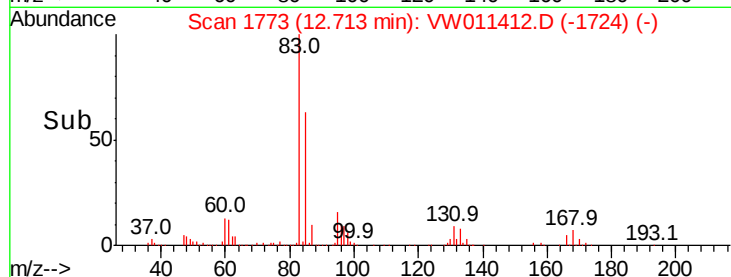
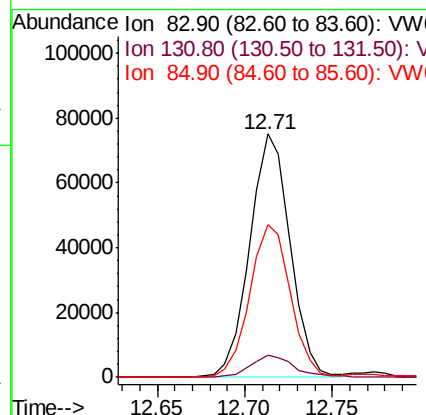
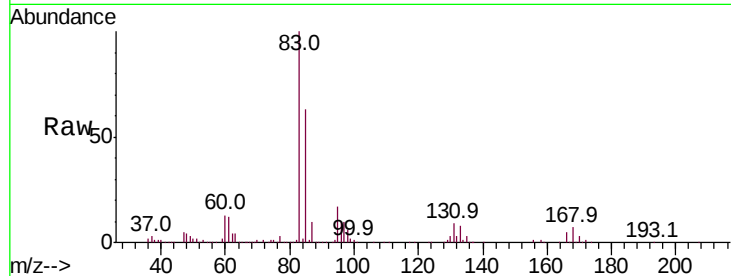
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	121346
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	63.6	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 55.106 ug/l m

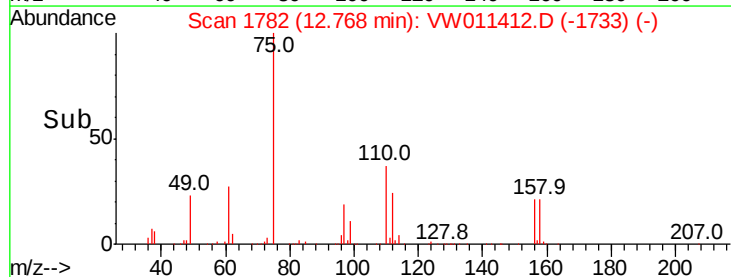
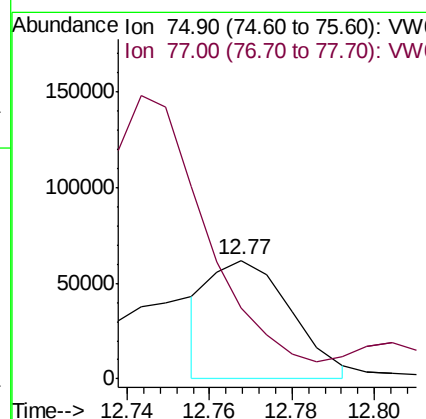
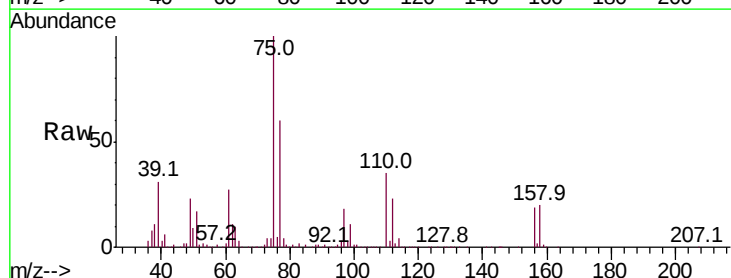
RT: 12.77 min Scan# 1782

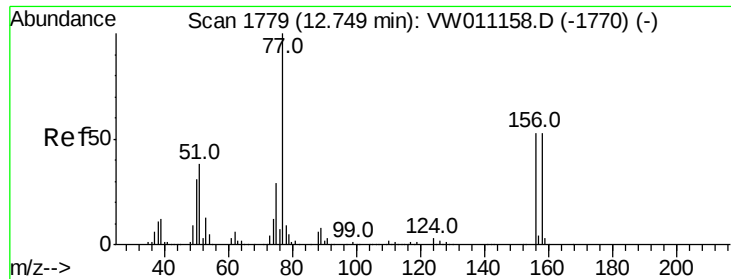
Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion:	75	Resp:	84152
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 57.858 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

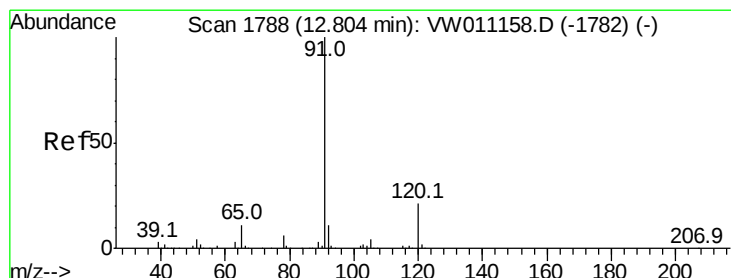
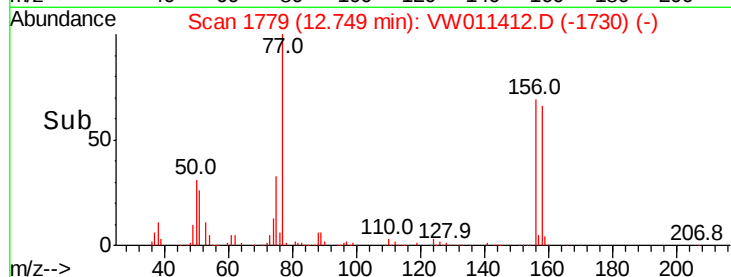
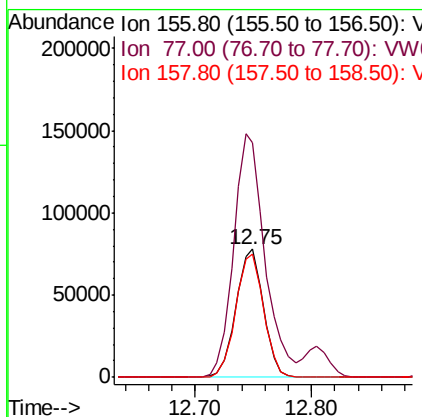
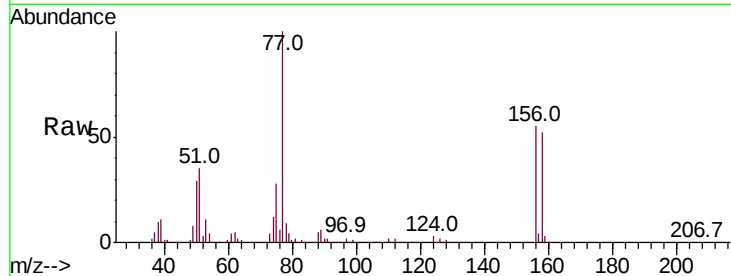
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	128264
Ion Ratio	Lower	Upper	
156	100		
77	215.5	109.0	327.0
158	97.6	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 57.181 ug/l

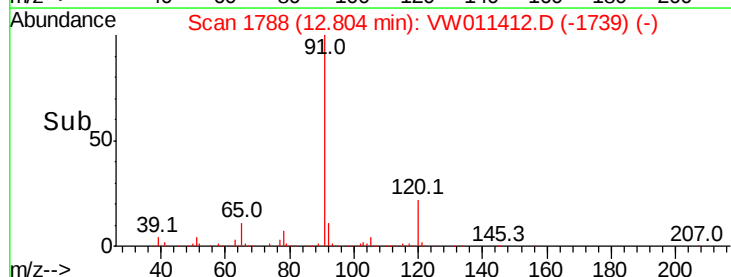
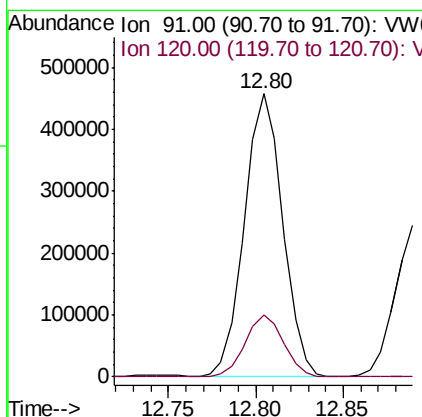
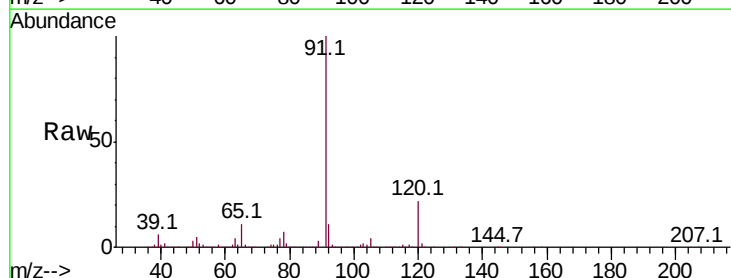
RT: 12.80 min Scan# 1788

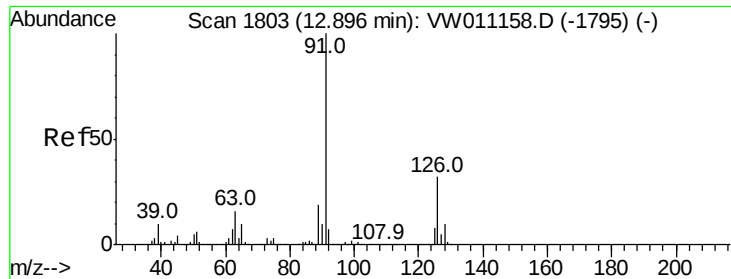
Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion:	91	Resp:	695820
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.8	32.3





#79

2-Chlorotoluene

Concen: 56.773 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 397554

Ion Ratio Lower Upper

91 100

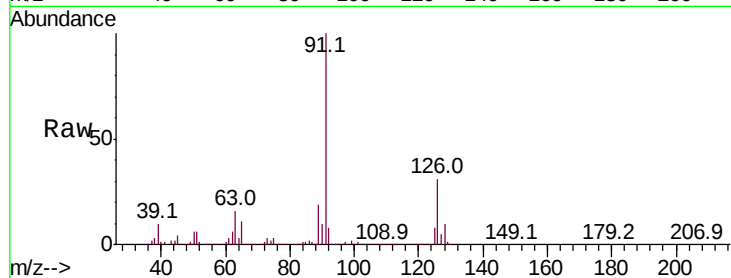
126 31.4 15.8 47.3

Manual Integrations

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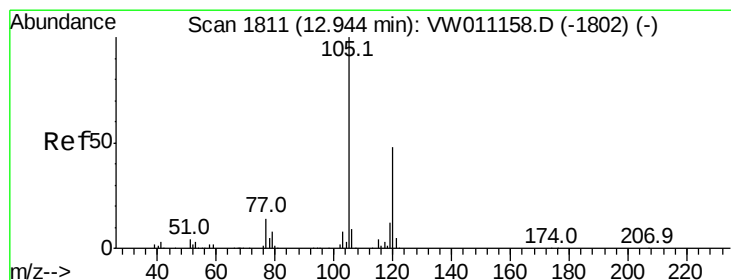
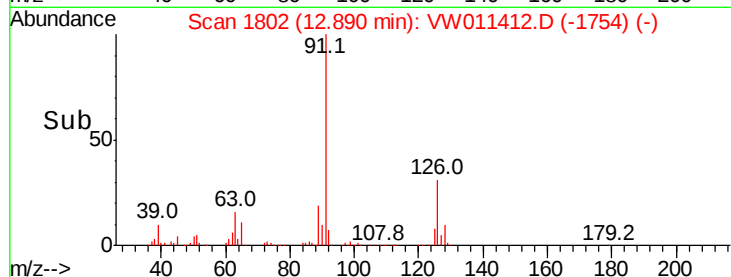
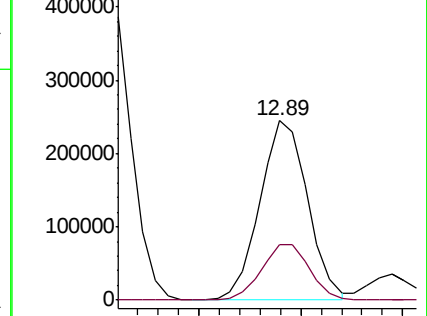
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.068 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011412.D

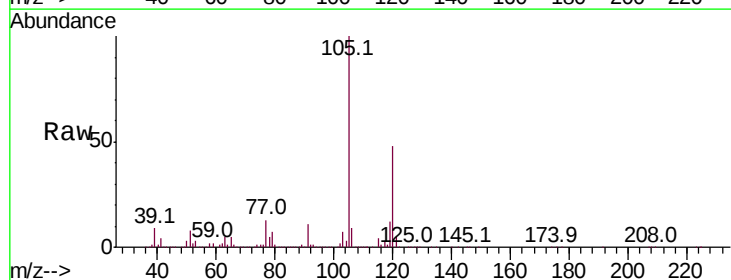
Acq: 20 Jul 2019 08:49

Tgt Ion:105 Resp: 487312

Ion Ratio Lower Upper

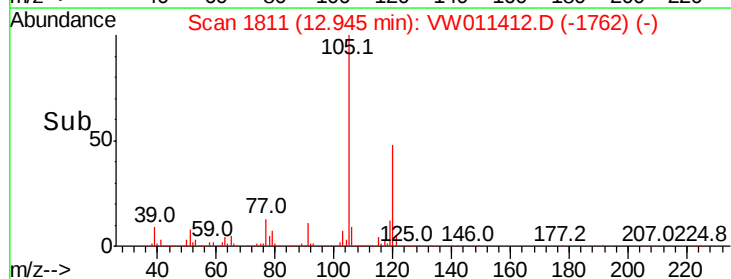
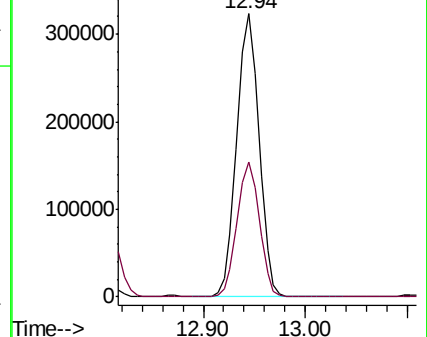
105 100

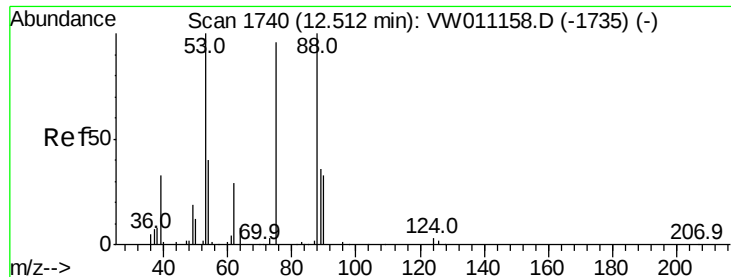
120 47.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.328 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 33980

Ion Ratio Lower Upper

75 100

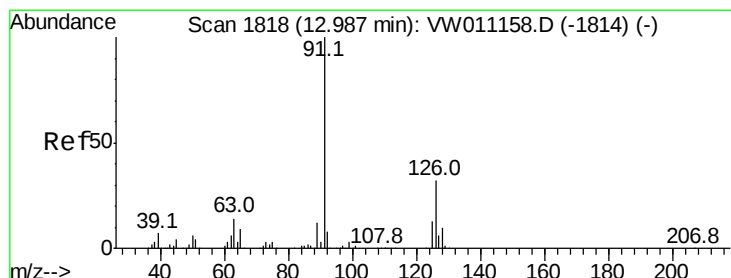
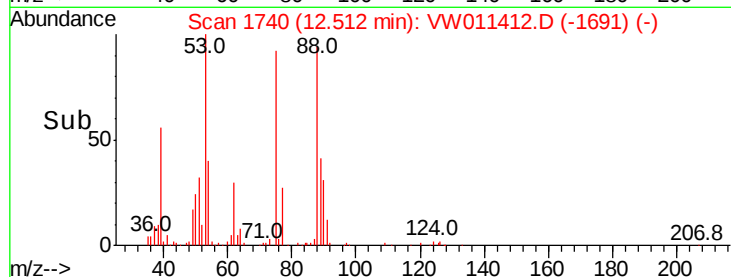
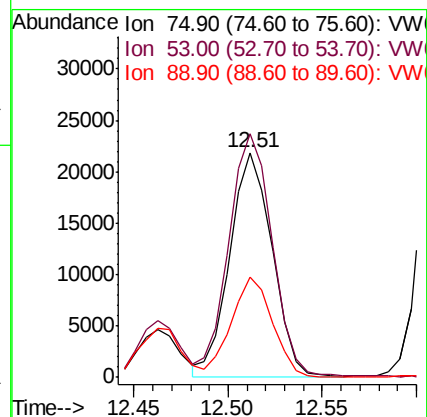
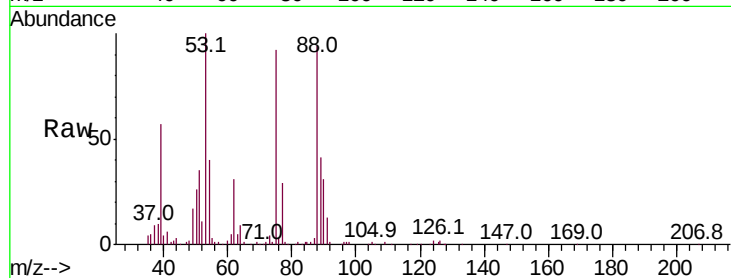
53 111.3 89.8 134.6

89 43.8 34.3 51.5

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#82

4-Chlorotoluene

Concen: 56.583 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011412.D

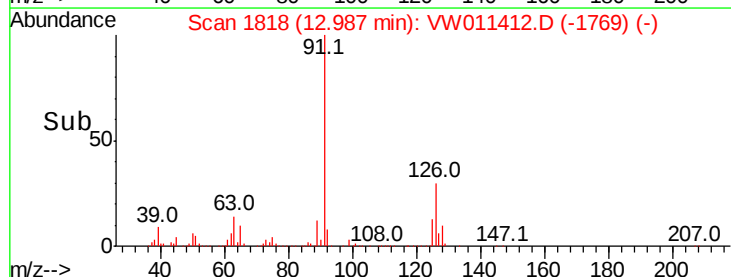
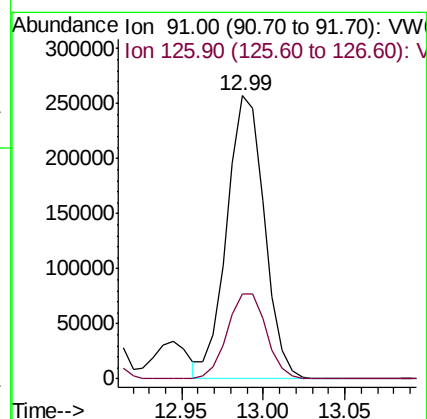
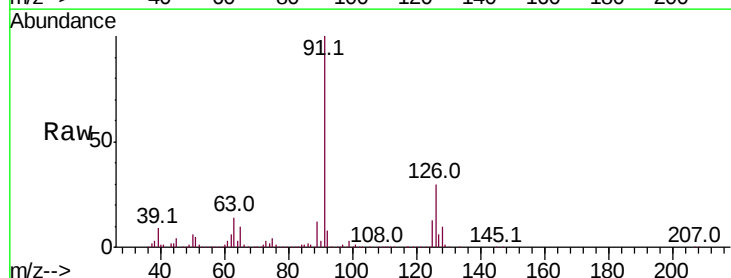
Acq: 20 Jul 2019 08:49

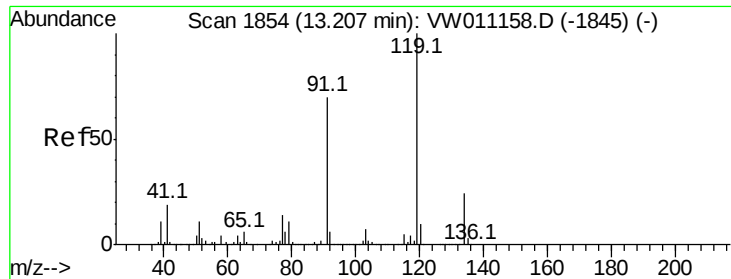
Tgt Ion: 91 Resp: 412690

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.1





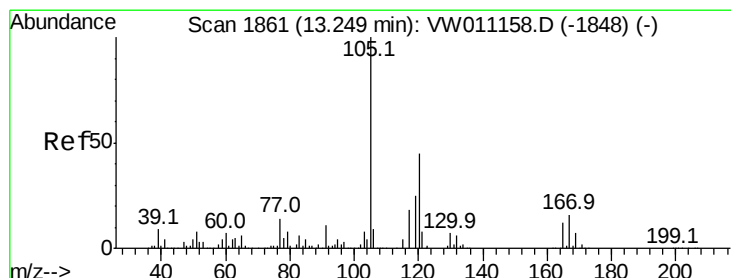
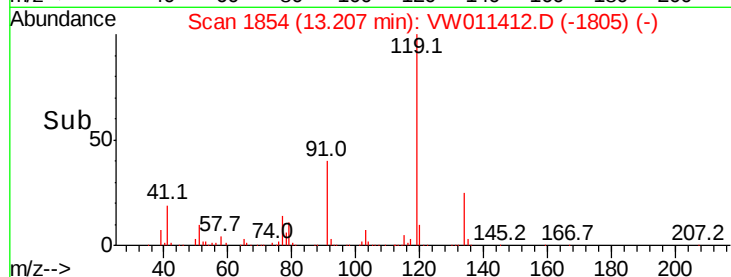
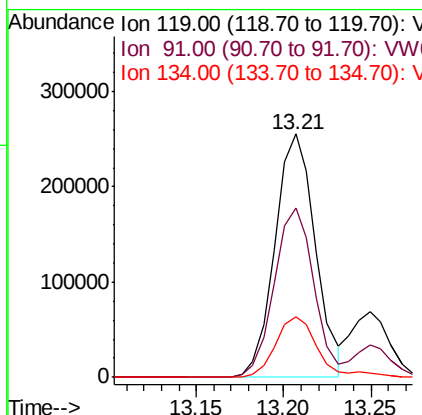
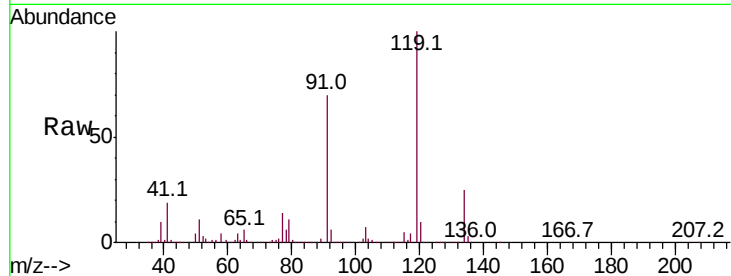
#83
tert-Butylbenzene
Concen: 58.858 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	35.4	106.3
134	26.4	13.4	40.2

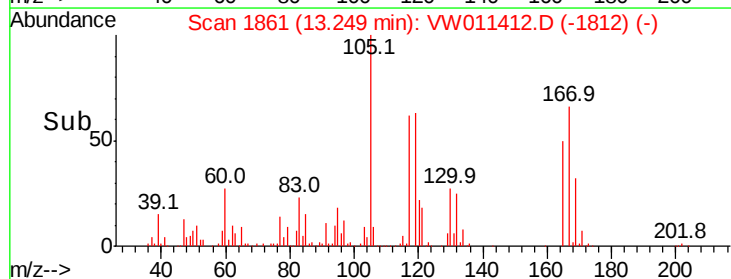
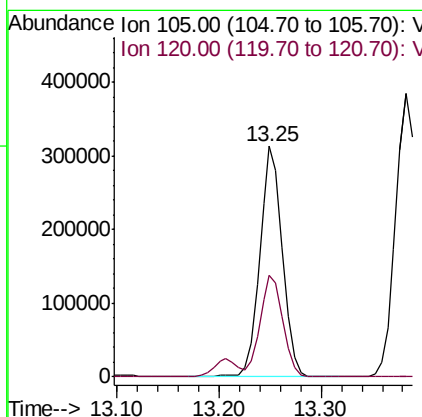
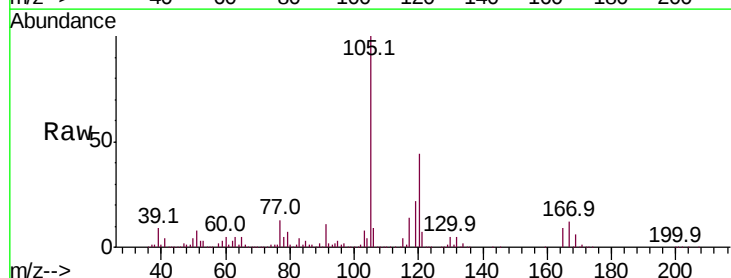
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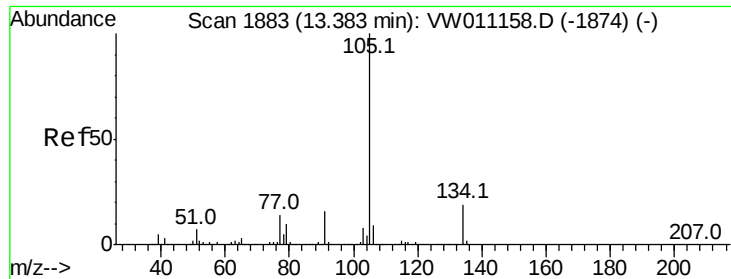
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#84
1,2,4-Trimethylbenzene
Concen: 57.167 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.9





#85

sec-Butylbenzene

Concen: 57.384 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 579534

Ion Ratio Lower Upper

105 100

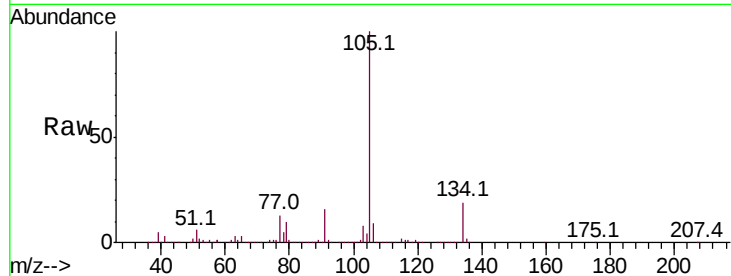
134 19.4 9.7 28.9

Manual Integrations

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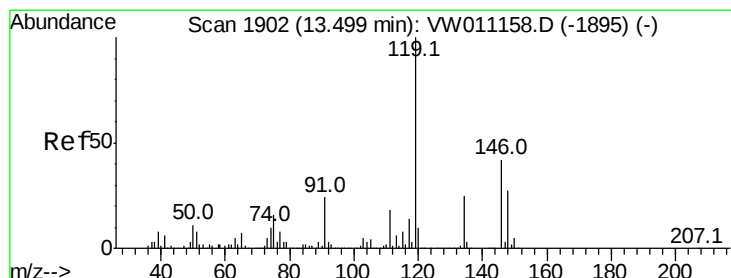
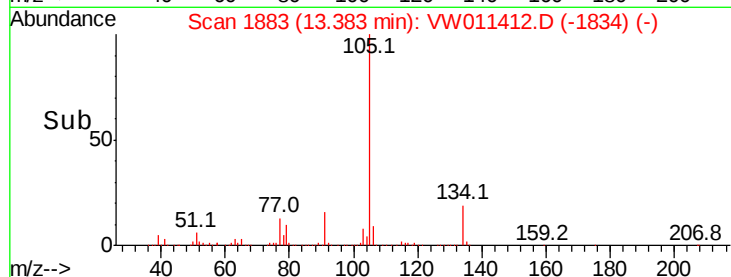
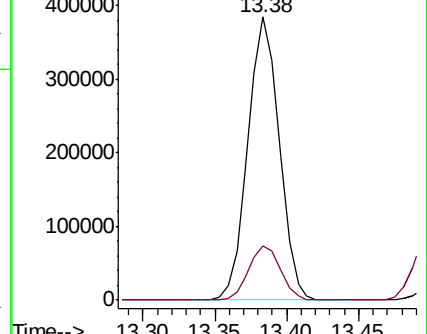
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.212 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

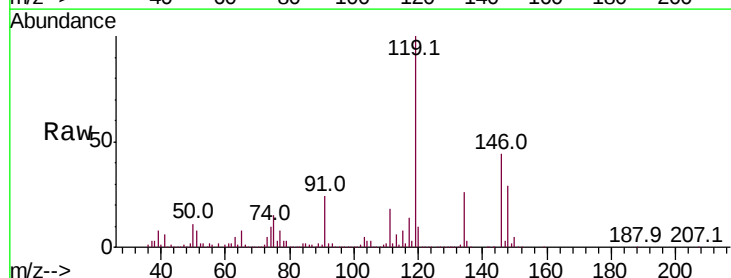
Tgt Ion:119 Resp: 518238

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

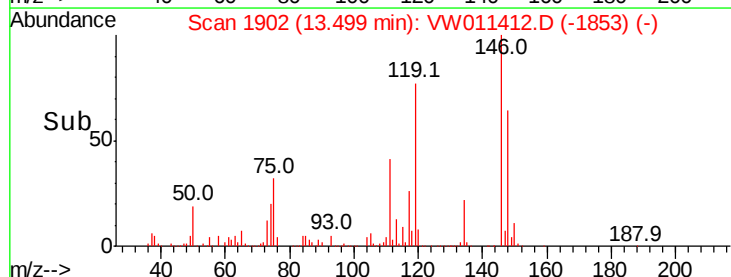
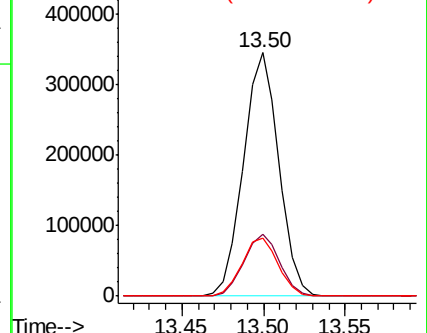
91 24.1 12.3 36.8

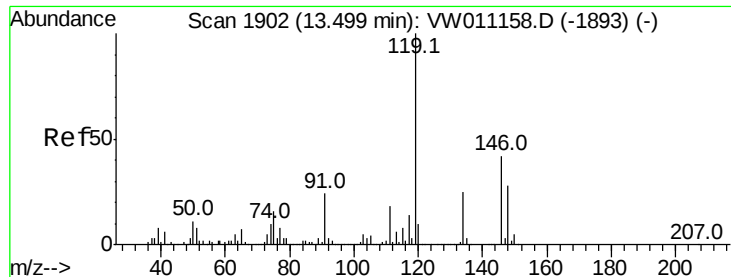


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 56.797 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

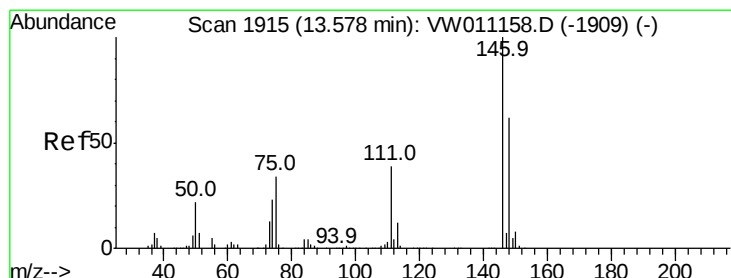
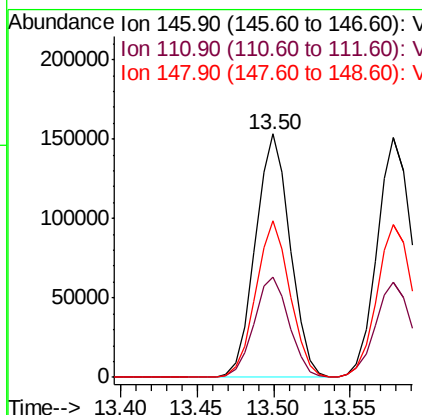
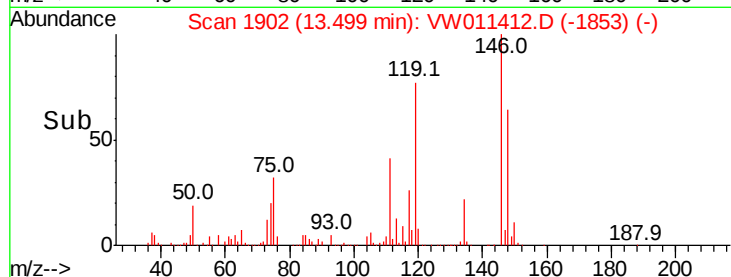
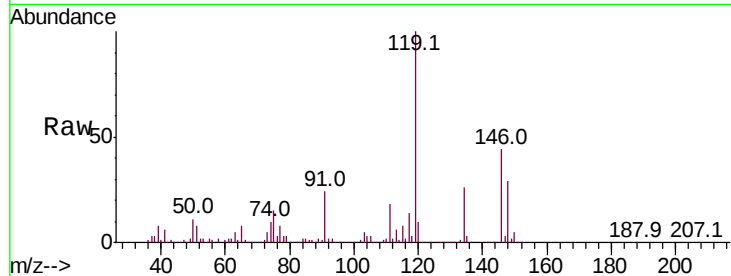
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	242256		
111	41.6	21.1	63.1	
148	63.2	32.6	97.7	

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#88

1,4-Dichlorobenzene

Concen: 55.911 ug/l

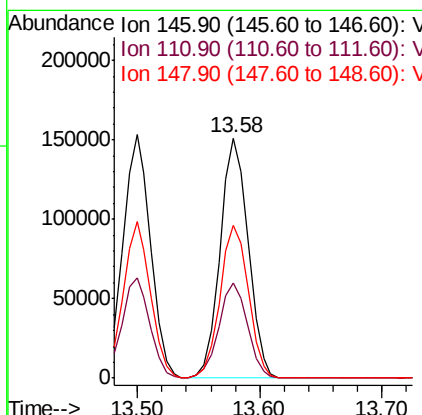
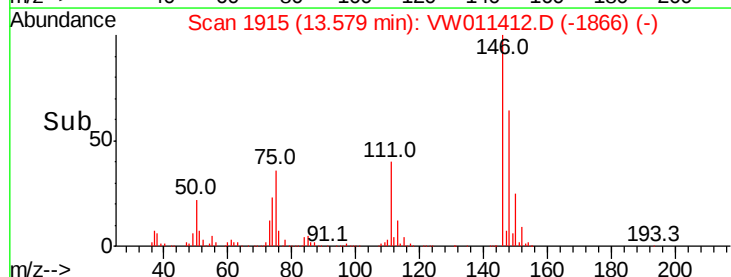
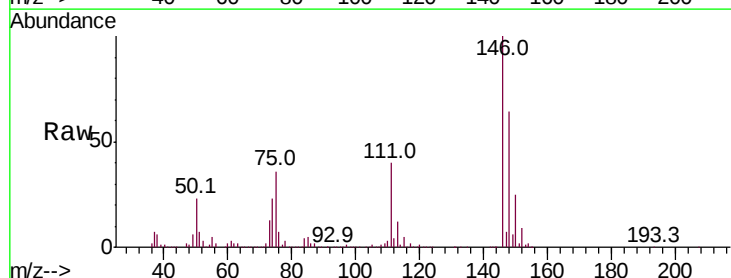
RT: 13.58 min Scan# 1915

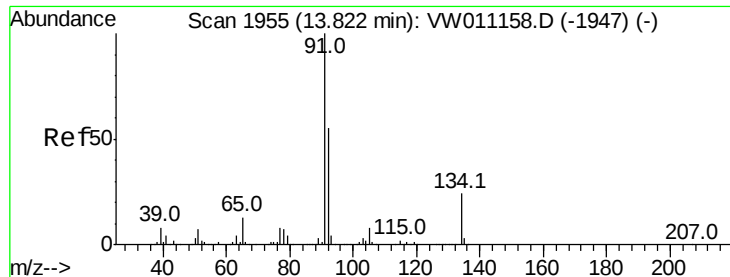
Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	240141		
111	40.4	19.9	59.7	
148	64.3	31.5	94.5	





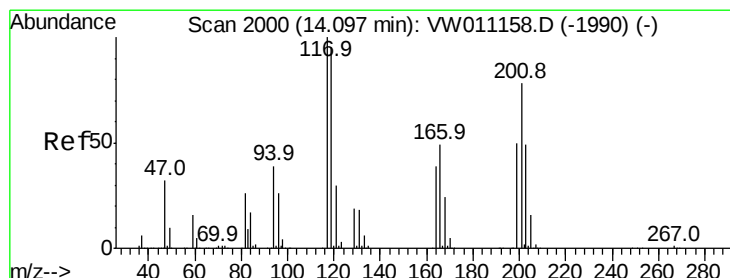
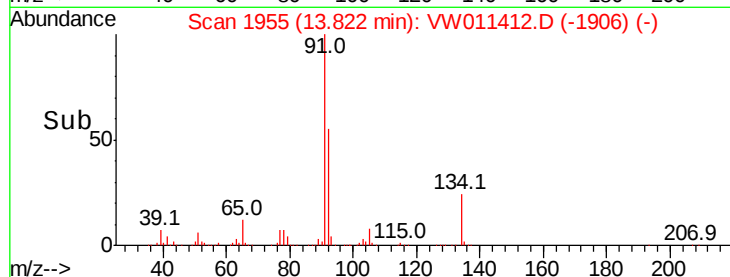
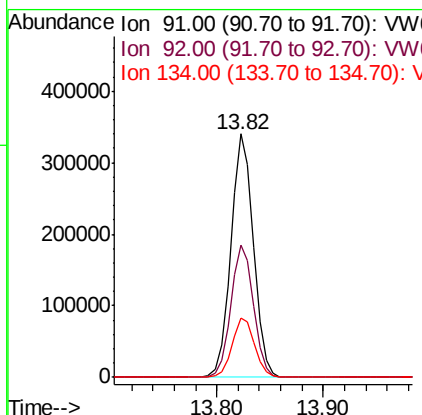
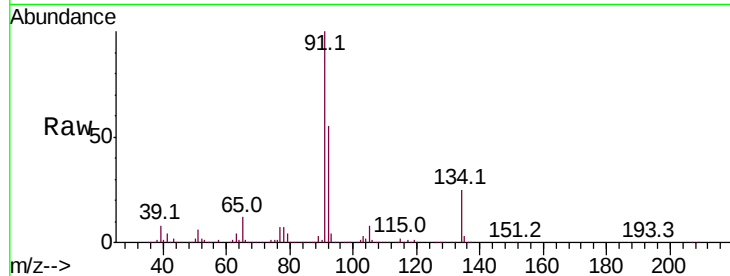
#89
n-Butylbenzene
Concen: 55.508 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.9	80.7
134	24.6	12.2	36.4

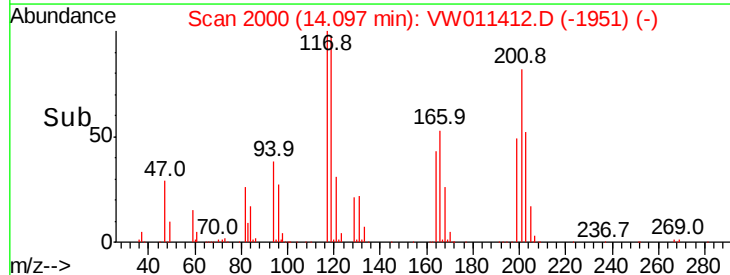
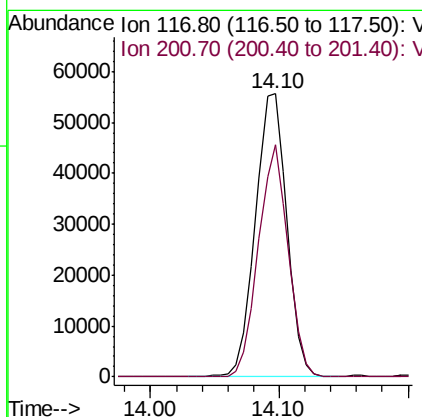
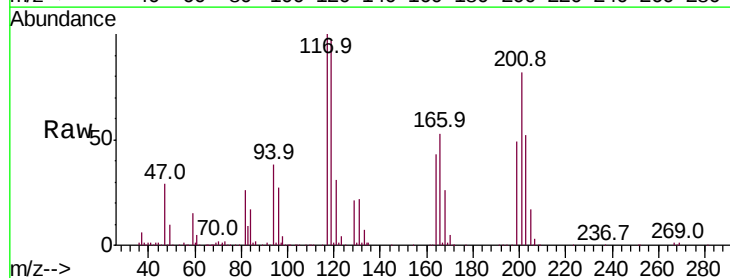
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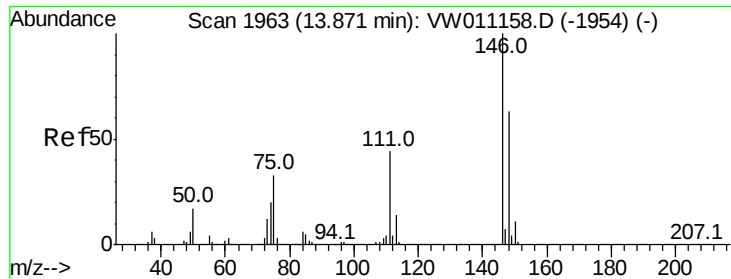
MMDadoda
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#90
Hexachloroethane
Concen: 56.592 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	38.3	114.8





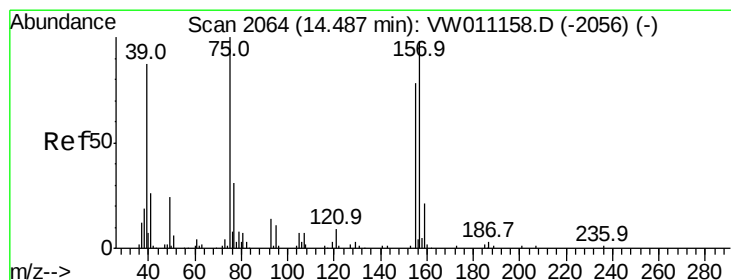
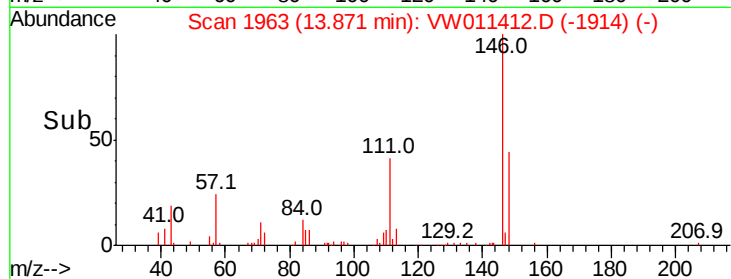
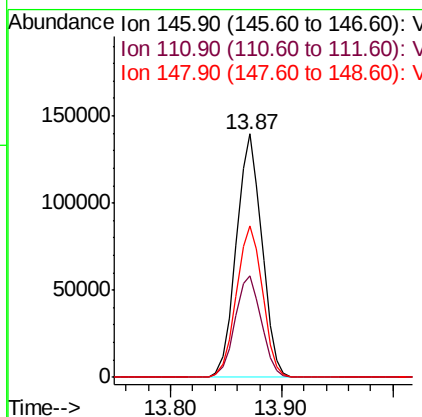
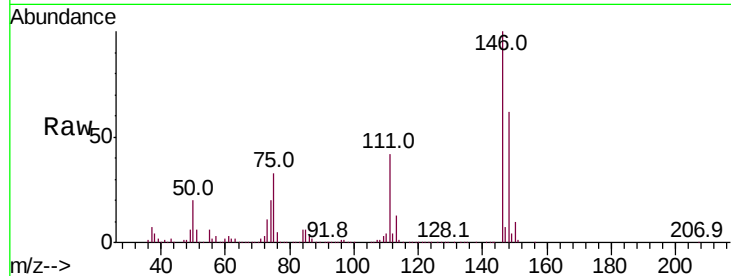
#91
 1,2-Dichlorobenzene
 Concen: 57.224 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.6	31.9	95.5

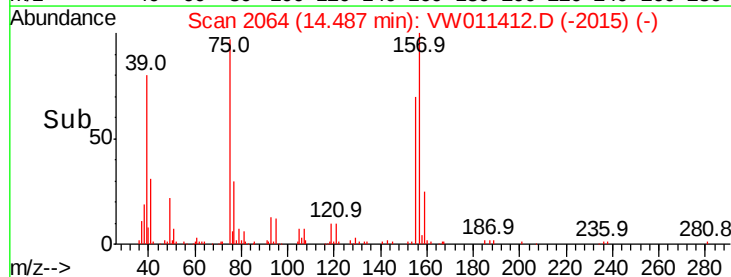
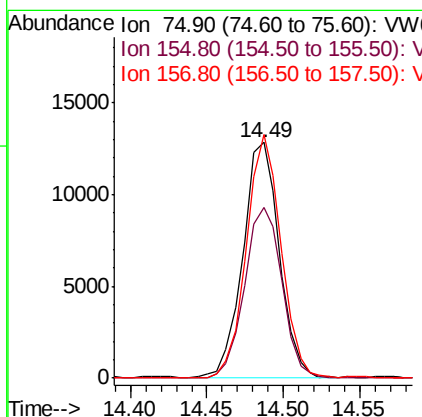
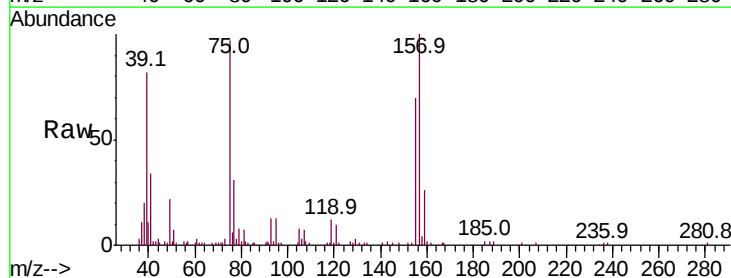
Manual Integrations
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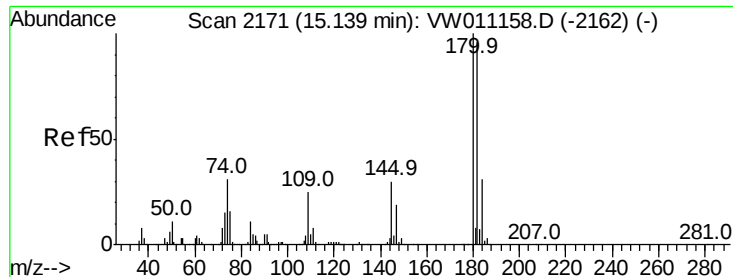
MMDadoda
 7/22/2019 9:21:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.339 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011412.D
 Acq: 20 Jul 2019 08:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	37.1	111.3
157	97.9	48.5	145.6





#93

1,2,4-Trichlorobenzene

Concen: 57.691 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.01 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Instrument :

MSVOA_W

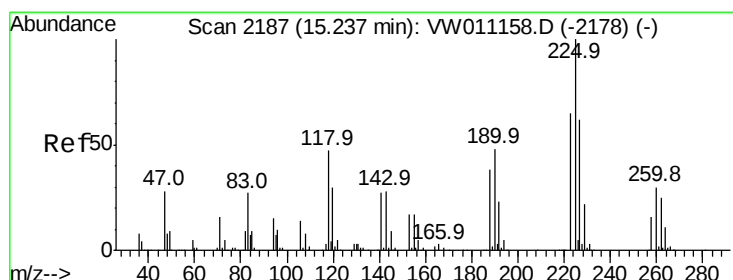
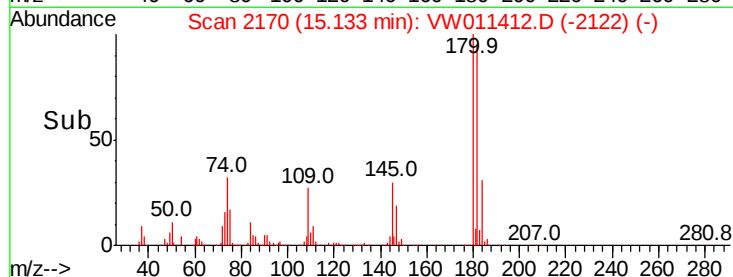
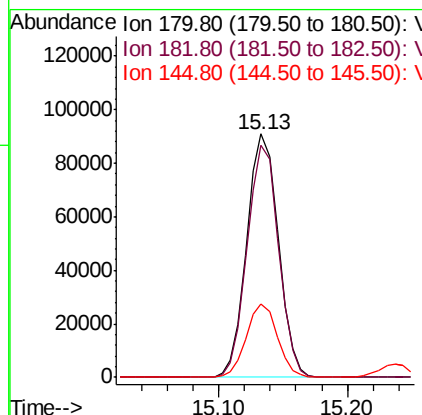
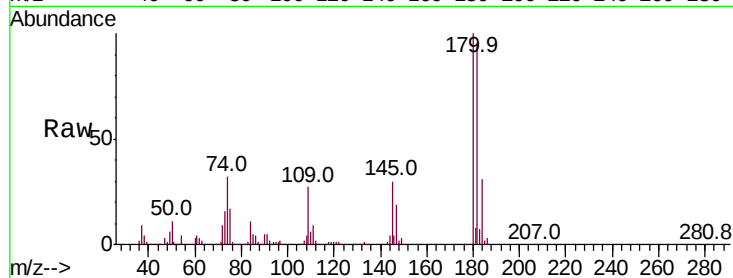
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	153759
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.3	144.9
145	29.9	15.5	46.5

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 57.706 ug/l

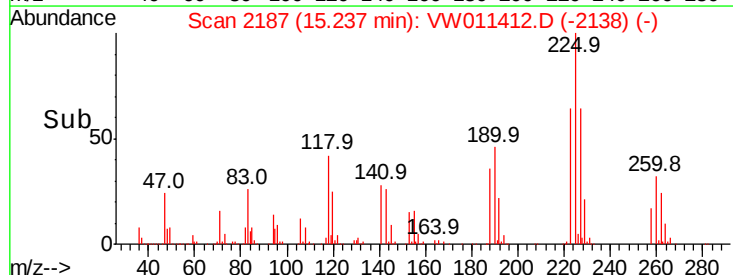
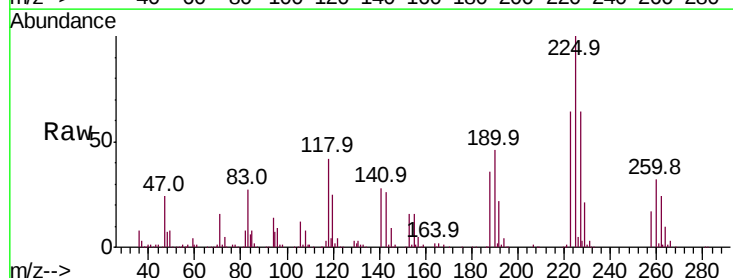
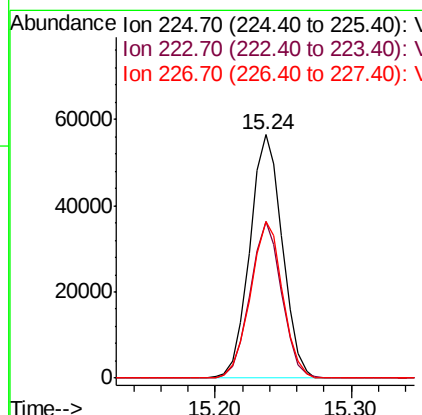
RT: 15.24 min Scan# 2187

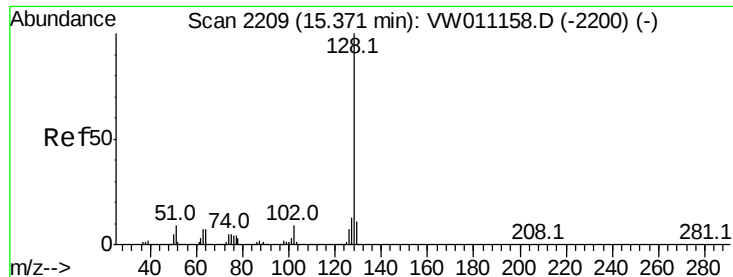
Delta R.T. 0.00 min

Lab File: VW011412.D

Acq: 20 Jul 2019 08:49

Tgt Ion:	225	Resp:	94423
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.6	95.0
227	63.8	32.0	96.0





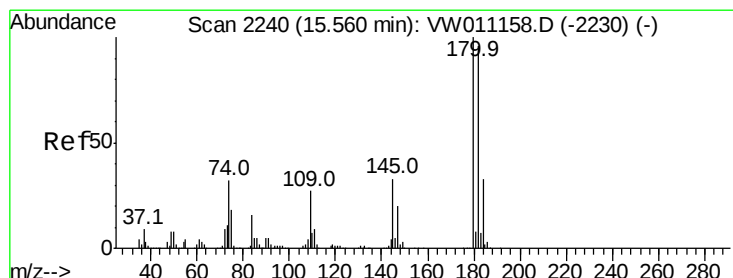
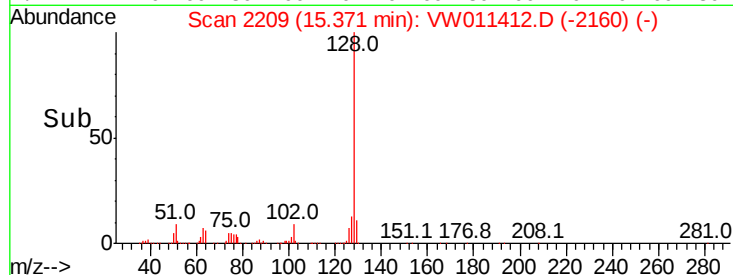
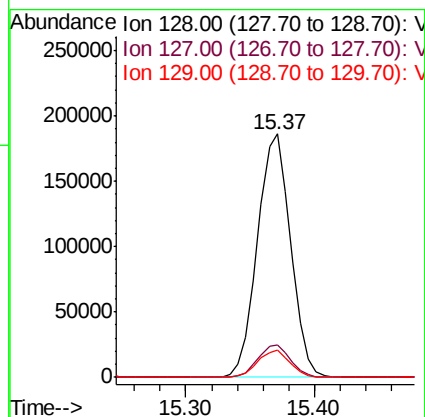
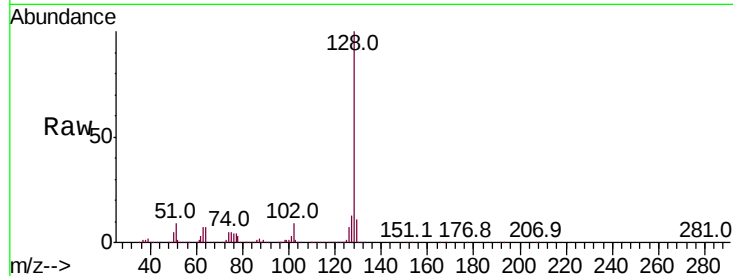
#95
Naphthalene
Concen: 64.923 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	331581
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 59.222 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011412.D
Acq: 20 Jul 2019 08:49

Tgt Ion:	180	Resp:	139302
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.6	142.8
145	32.7	16.5	49.5

