

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011392.D
 Acq On : 19 Jul 2019 23:58
 Operator : SY/VA
 Sample : VW0720SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 9:21:47 AM

Quant Time: Jul 20 06:39:31 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	200421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	135779	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
35) Dibromofluoromethane	7.88	113	107510	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.32	98	426264	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.62	95	156227	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29760	19.910	ug/l	96
3) Chloromethane	2.21	50	46634	24.212	ug/l	96
4) Vinyl Chloride	2.36	62	52422	20.794	ug/l	98
5) Bromomethane	2.77	94	27191	21.465	ug/l	98
6) Chloroethane	2.92	64	29415	21.663	ug/l	98
7) Trichlorofluoromethane	3.25	101	19333	21.587	ug/l	100
8) Diethyl Ether	3.68	74	27201	21.951	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44027	20.524	ug/l	98
10) Methyl Iodide	4.27	142	62649	21.234	ug/l	99
11) Tert butyl alcohol	5.16	59	31044	166.499	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	45508	20.439	ug/l	94
13) Acrolein	3.89	56	13822	93.096	ug/l	97
14) Allyl chloride	4.67	41	93366	22.996	ug/l	98
15) Acrylonitrile	5.37	53	73702	116.785	ug/l	98
16) Acetone	4.11	43	70771	116.794	ug/l	100
17) Carbon Disulfide	4.38	76	134222	19.885	ug/l	96
18) Methyl Acetate	4.67	43	53748	30.644	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	75489	22.345	ug/l	99
20) Methylene Chloride	4.92	84	57533	24.068	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	50482	21.820	ug/l	94
22) Diisopropyl ether	6.31	45	200171	22.923	ug/l	97
23) Vinyl Acetate	6.25	43	557530	103.165	ug/l	99
24) 1,1-Dichloroethane	6.21	63	101495	22.134	ug/l	99
25) 2-Butanone	7.16	43	109996	115.642	ug/l	95
26) 2,2-Dichloropropane	7.16	77	52749	22.130	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	55700	22.319	ug/l	99
28) Bromochloromethane	7.51	49	48227	23.130	ug/l #	23
29) Tetrahydrofuran	7.52	42	70155	112.483	ug/l	99
30) Chloroform	7.68	83	94650	22.288	ug/l	99
31) Cyclohexane	7.95	56	95875	19.653	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	70831	21.926	ug/l	98
36) 1,1-Dichloropropene	8.08	75	73393	19.867	ug/l	99
37) Ethyl Acetate	7.25	43	48989	22.071	ug/l	99
38) Carbon Tetrachloride	8.07	117	62227	19.870	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	85426	19.078	ug/l	98
40) Benzene	8.32	78	214995	21.058	ug/l	99
41) Methacrylonitrile	7.48	41	32610	25.688	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	71033	21.448	ug/l	99
43) Isopropyl Acetate	8.42	43	88001	21.000	ug/l	99
44) Trichloroethene	9.09	130	49506	20.150	ug/l	95
45) 1,2-Dichloropropane	9.37	63	59605	21.559	ug/l	100
46) Dibromomethane	9.46	93	27791	21.399	ug/l	99
47) Bromodichloromethane	9.64	83	70404	21.187	ug/l	98
48) Methyl methacrylate	9.43	41	41217	20.444	ug/l	97
49) 1,4-Dioxane	9.44	88	9977	460.237	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	238191	108.809	ug/l	100
52) Toluene	10.39	92	129812	20.960	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	68758	19.439	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	82344	19.778	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39231	21.293	ug/l	98
56) Ethyl methacrylate	10.65	69	58088	20.708	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74025	21.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	75943	58.398	ug/l	99
59) 2-Hexanone	10.97	43	161794	106.575	ug/l	99
60) Dibromochloromethane	11.13	129	40819	20.204	ug/l	100
61) 1,2-Dibromoethane	11.23	107	36840	21.109	ug/l	99
64) Tetrachloroethene	10.86	164	44528	21.154	ug/l	96
65) Chlorobenzene	11.66	112	130833	20.629	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46202	20.690	ug/l	99
67) Ethyl Benzene	11.73	91	247004	20.344	ug/l	100
68) m/p-Xylenes	11.84	106	176730	40.228	ug/l	98
69) o-Xylene	12.16	106	83771	20.231	ug/l	99
70) Styrene	12.18	104	147549	20.647	ug/l	100
71) Bromoform	12.35	173	24081	20.282	ug/l #	97
73) Isopropylbenzene	12.46	105	228915	20.337	ug/l	100
74) N-amyl acetate	12.27	43	81711	20.843	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49108	21.283	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41420m	23.803	ug/l	
77) Bromobenzene	12.75	156	52420	20.752	ug/l	99
78) n-propylbenzene	12.80	91	280948	20.262	ug/l	100
79) 2-Chlorotoluene	12.89	91	163867	20.537	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	194984	20.390	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12306	15.996	ug/l	94
82) 4-Chlorotoluene	12.99	91	172921	20.807	ug/l	100
83) tert-Butylbenzene	13.21	119	164541	20.632	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	197119	20.529	ug/l	100
85) sec-Butylbenzene	13.38	105	233528	20.293	ug/l	99
86) p-Isopropyltoluene	13.50	119	206876	20.043	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	101285	20.840	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	101879	20.817	ug/l	98
89) n-Butylbenzene	13.82	91	202533	19.670	ug/l	100
90) Hexachloroethane	14.10	117	37460	19.861	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	93303	21.161	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8746	21.370	ug/l	96

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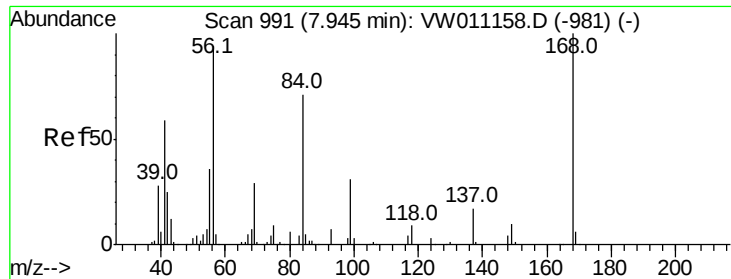
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QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62575	20.605	ug/l	98
94) Hexachlorobutadiene	15.24	225	38755	20.786	ug/l	99
95) Naphthalene	15.37	128	120163	20.648	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	56294	21.003	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion:168 Resp: 200421

Ion Ratio Lower Upper

168 100

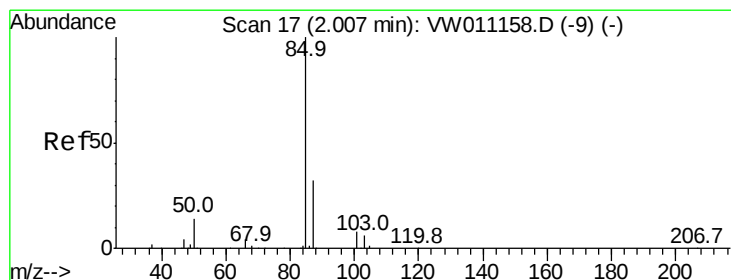
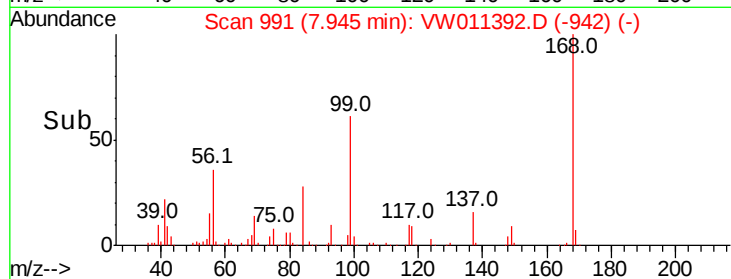
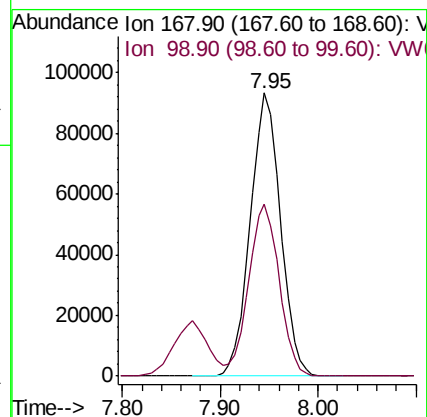
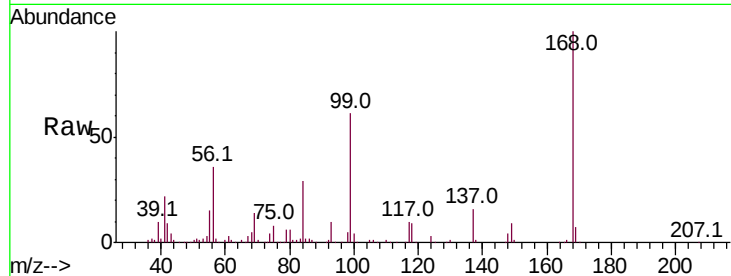
99 60.5 50.1 75.1

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#2

Dichlorodifluoromethane

Concen: 19.910 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011392.D

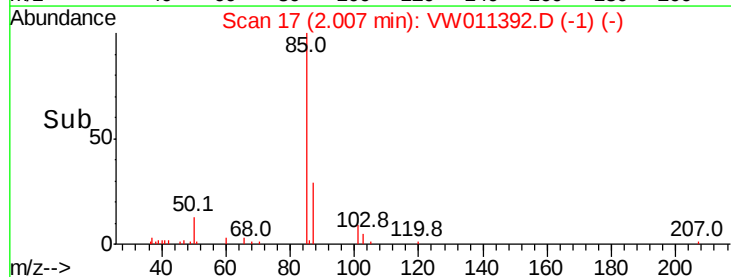
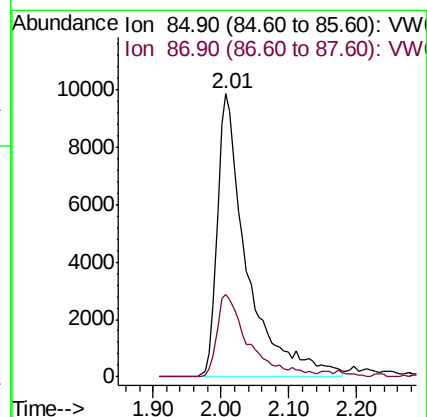
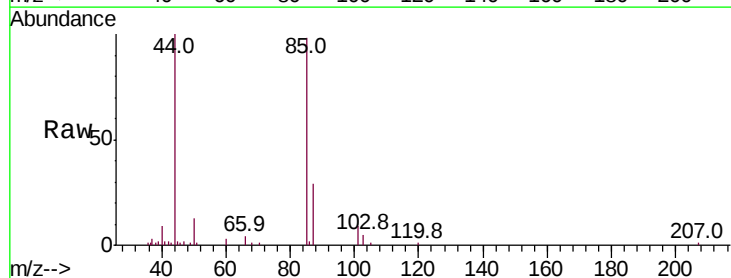
Acq: 19 Jul 2019 23:58

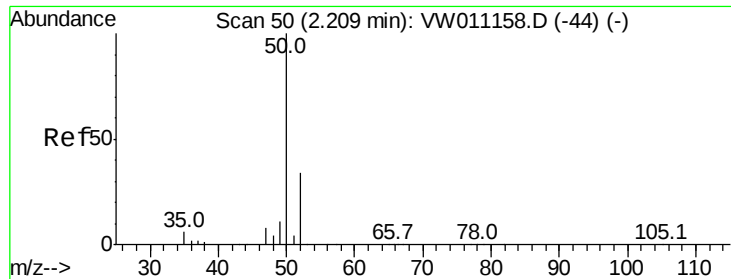
Tgt Ion: 85 Resp: 29760

Ion Ratio Lower Upper

85 100

87 29.2 15.9 47.6





#3

Chloromethane

Concen: 24.212 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 50 Resp: 46634

Ion Ratio Lower Upper

50 100

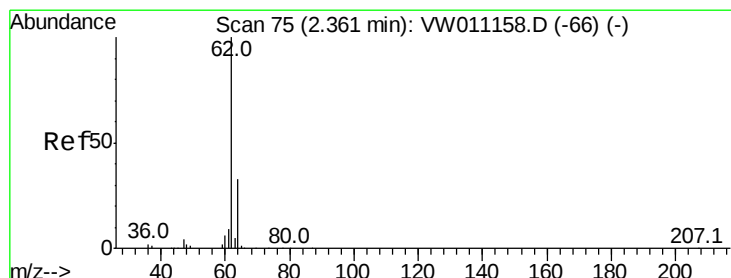
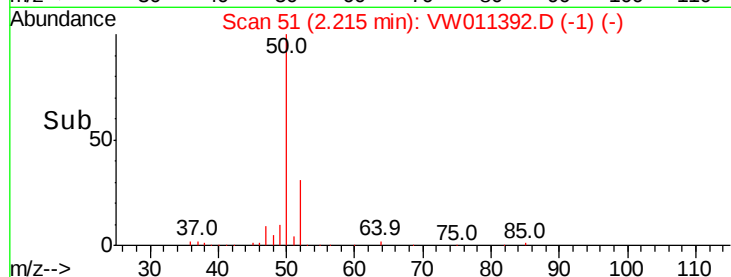
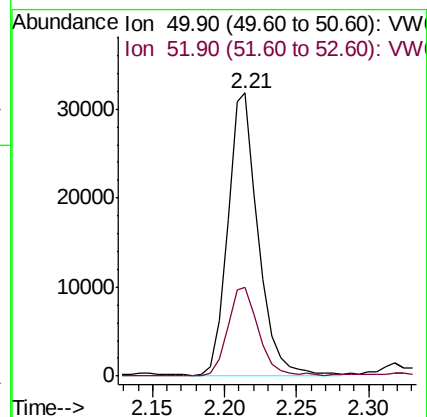
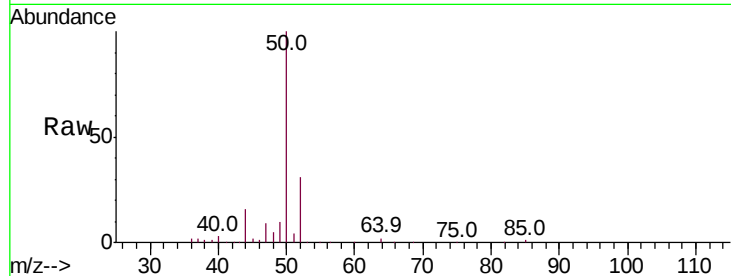
52 31.3 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.794 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011392.D

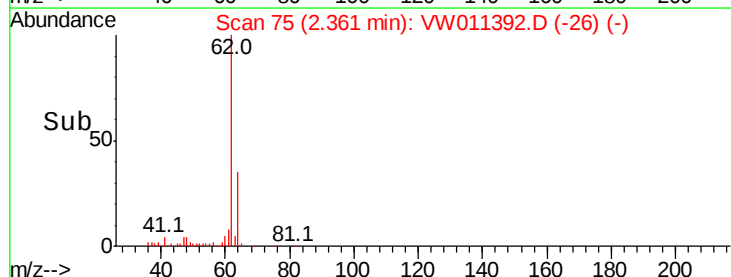
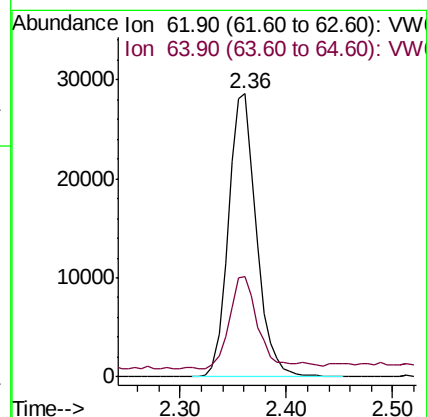
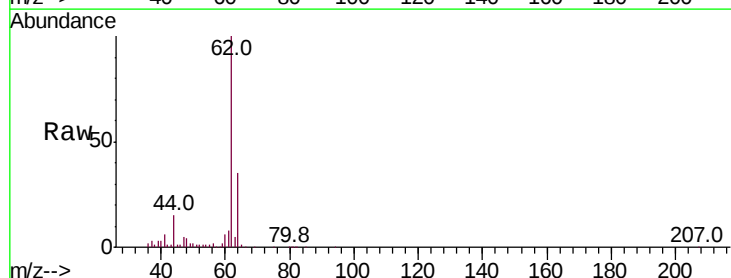
Acq: 19 Jul 2019 23:58

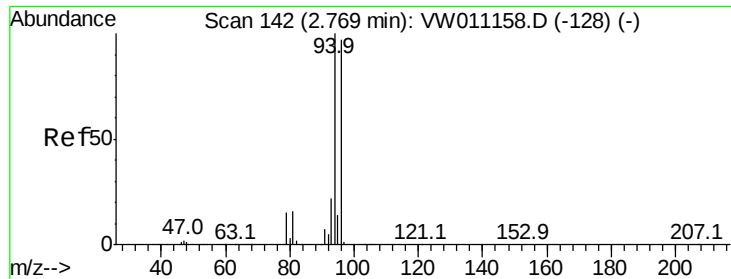
Tgt Ion: 62 Resp: 52422

Ion Ratio Lower Upper

62 100

64 32.0 26.6 40.0





#5

Bromomethane

Concen: 21.465 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 94 Resp: 27191

Ion Ratio Lower Upper

94 100

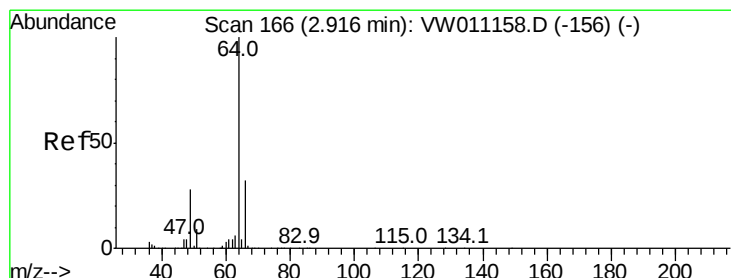
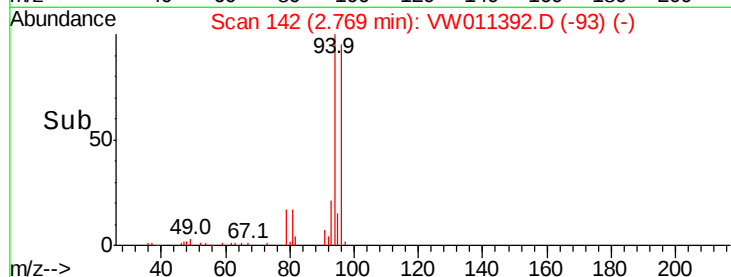
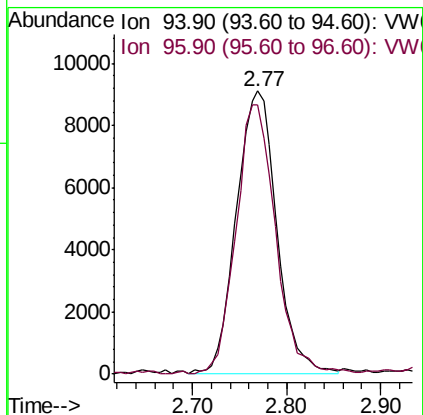
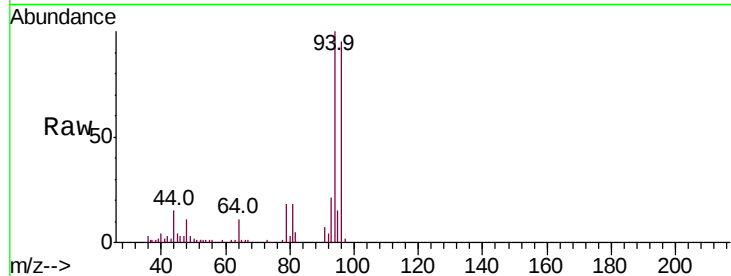
96 95.0 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 21.663 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011392.D

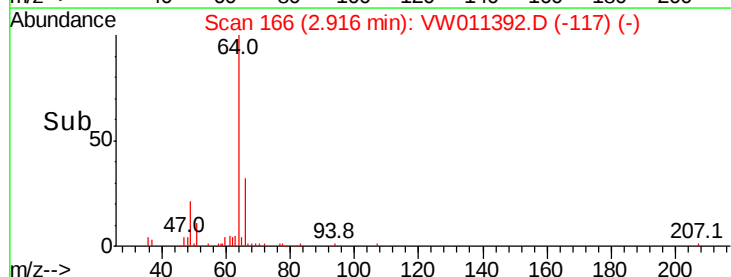
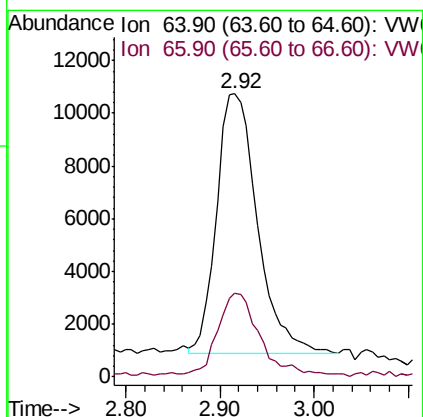
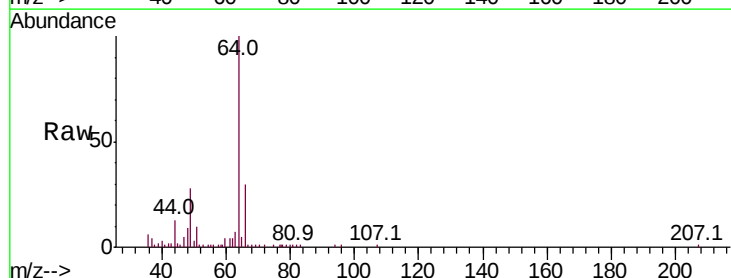
Acq: 19 Jul 2019 23:58

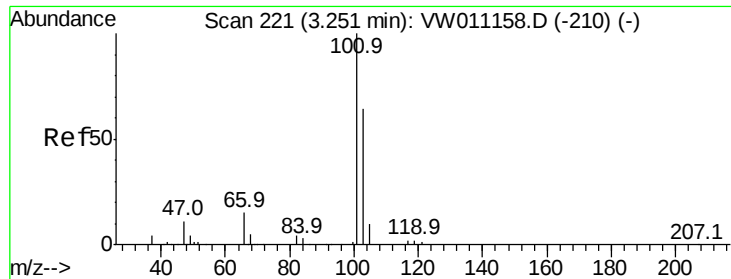
Tgt Ion: 64 Resp: 29415

Ion Ratio Lower Upper

64 100

66 31.0 25.8 38.8





#7

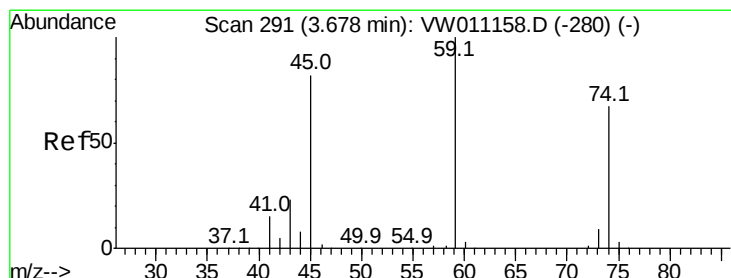
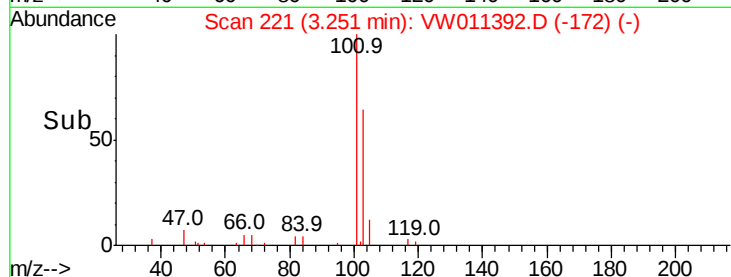
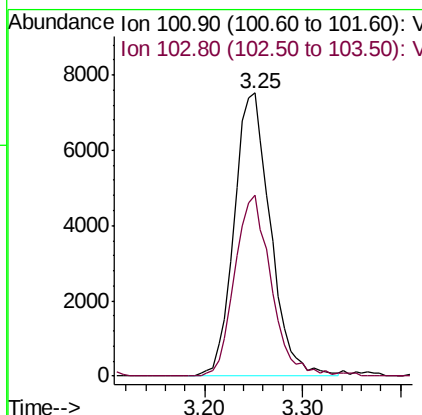
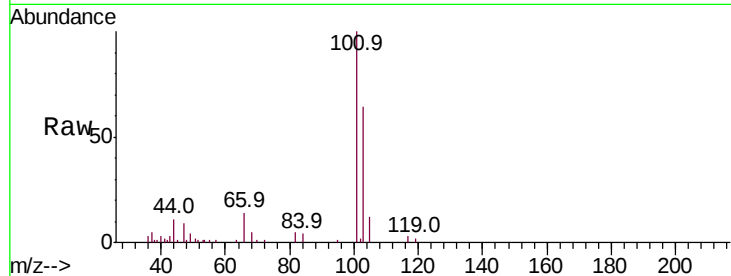
Trichlorofluoromethane
 Concen: 21.587 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Instrument :
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 ClientSampleId :
 VW0720SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.3	76.9

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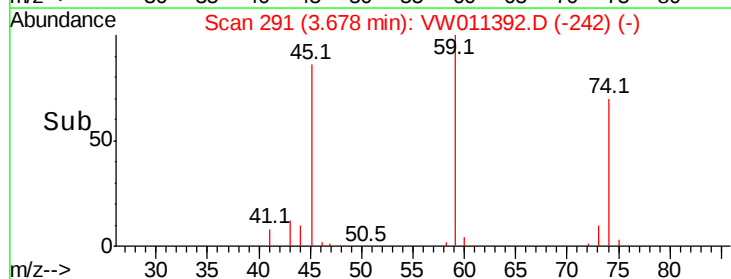
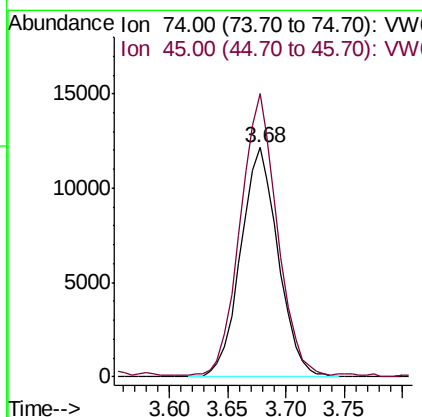
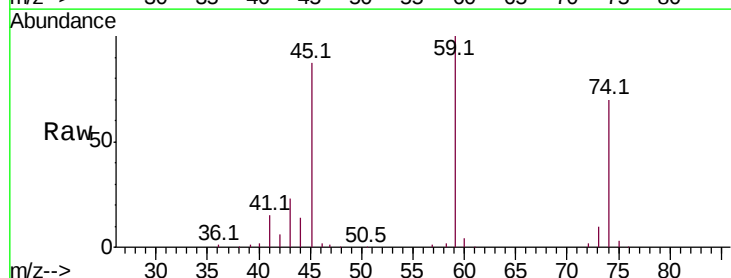
MMDadoda
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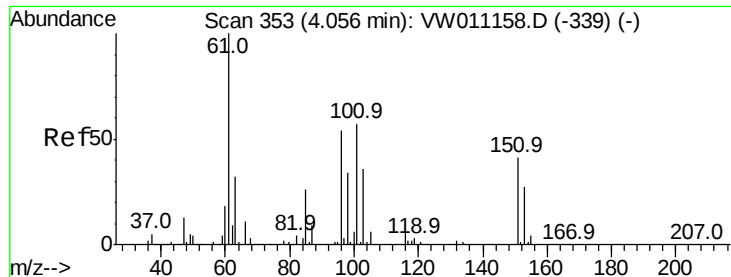


#8

Diethyl Ether
 Concen: 21.951 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.8	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.524 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

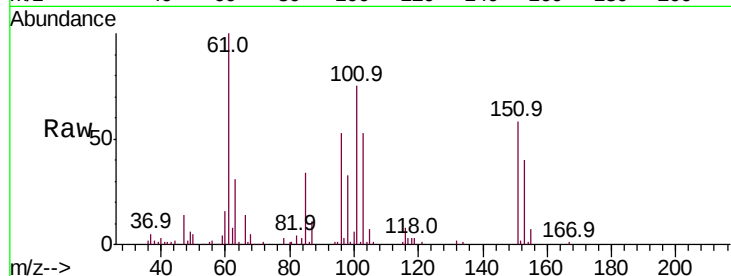
ClientSampleId :

VW0720SBS01

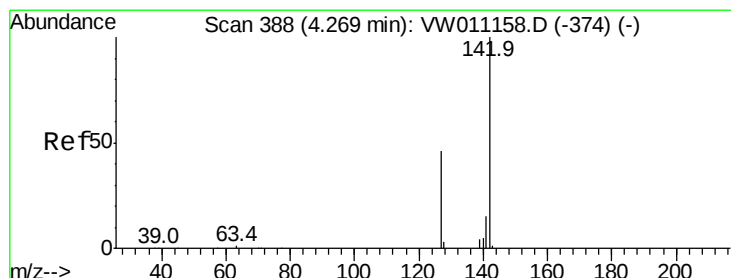
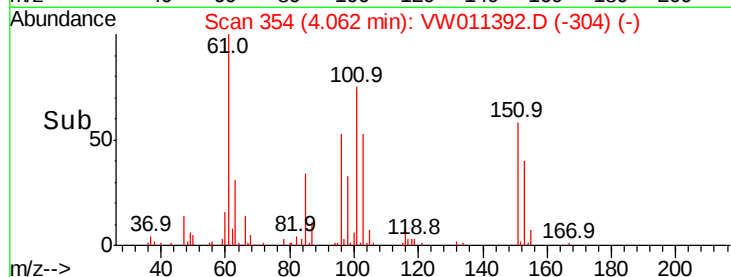
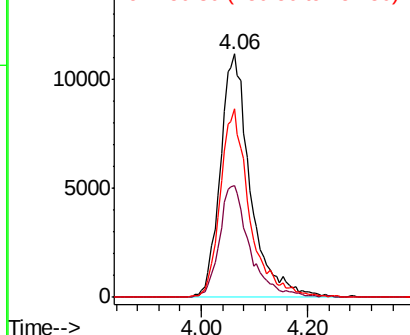
Tot Ion:	101	Resp:	44027
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.5	54.7
151	75.6	59.1	88.7

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
15000
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.234 ug/l

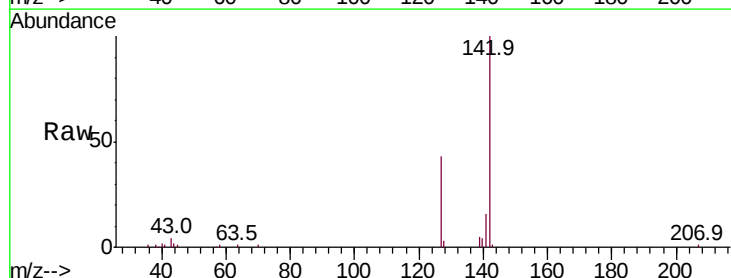
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

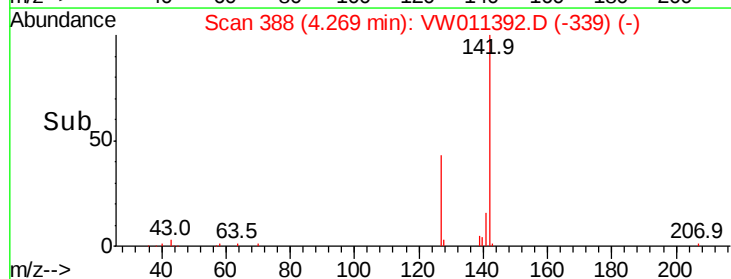
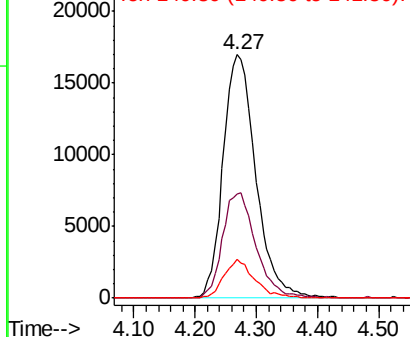
Lab File: VW011392.D

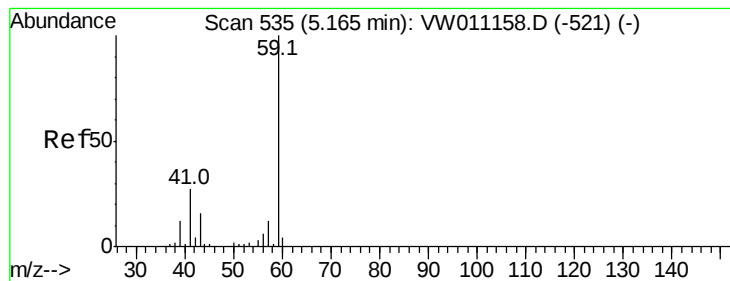
Acq: 19 Jul 2019 23:58

Tgt Ion:	142	Resp:	62649
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	14.8	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
20000
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

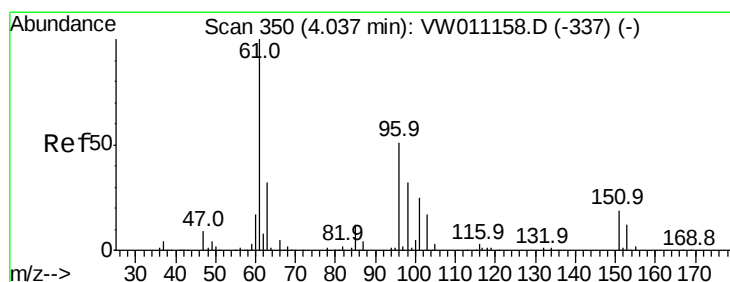
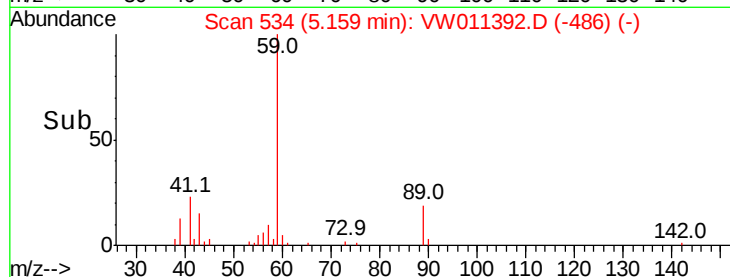
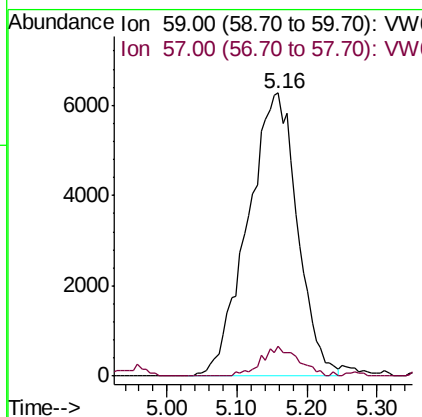
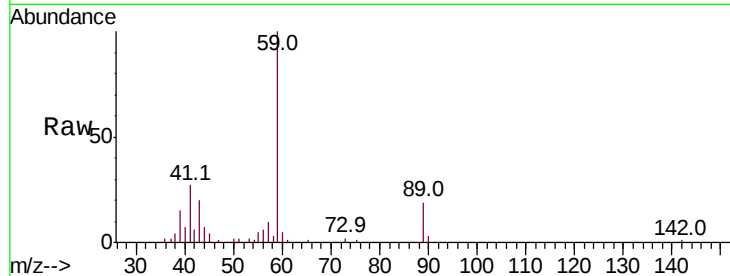
Tert butyl alcohol
Concen: 166.499 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.7	9.0	13.6#

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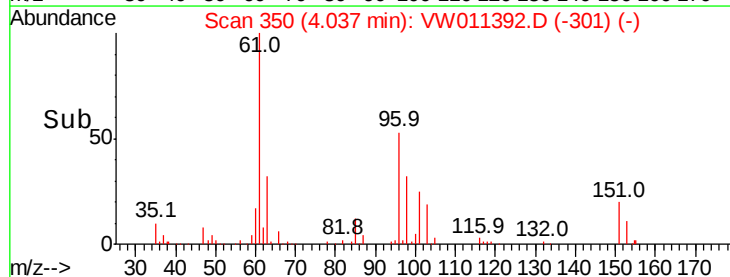
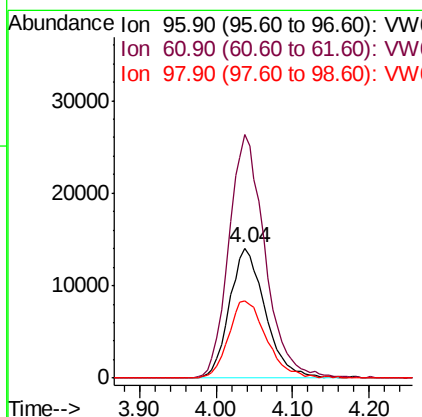
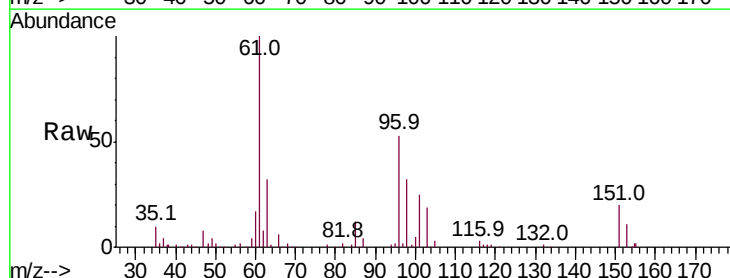
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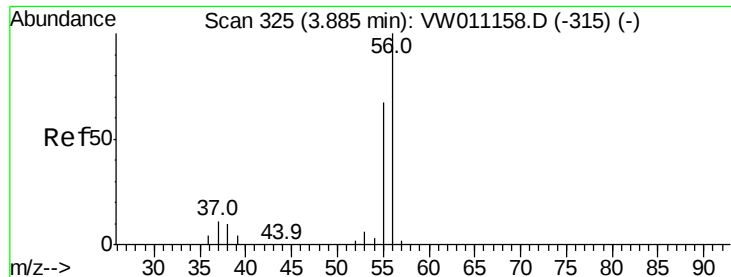


#12

1,1-Dichloroethene
Concen: 20.439 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.2	157.7	236.5
98	59.7	50.9	76.3





#13

Acrolein

Concen: 93.096 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 56 Resp: 13822

Ion Ratio Lower Upper

56 100

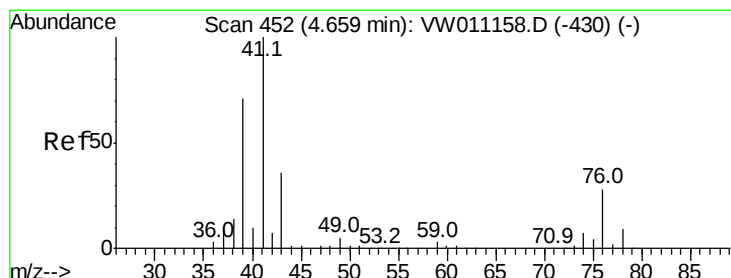
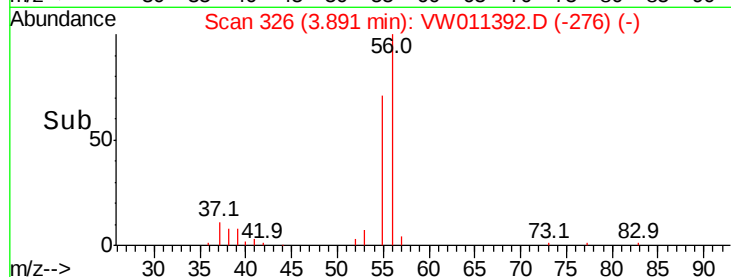
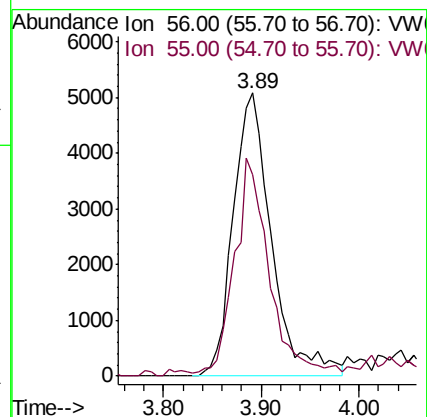
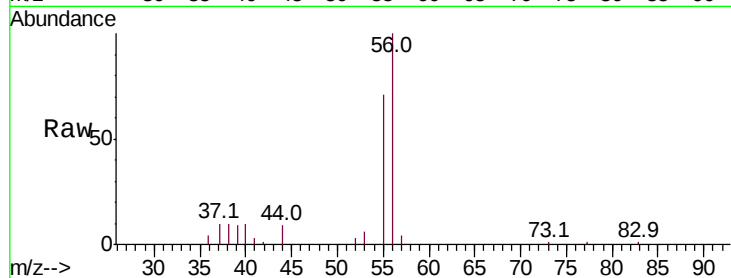
55 67.8 56.4 84.6

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#14

Allyl chloride

Concen: 22.996 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

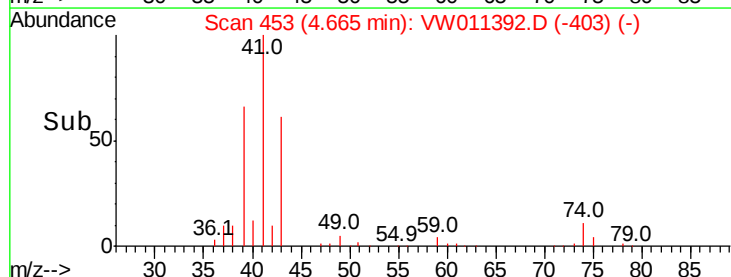
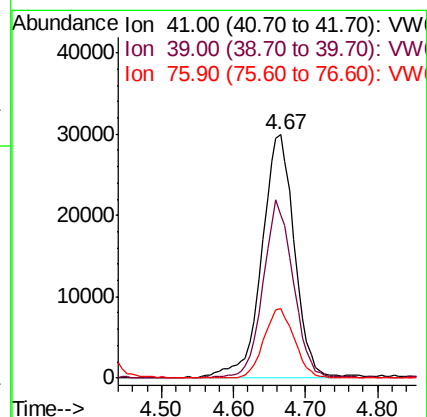
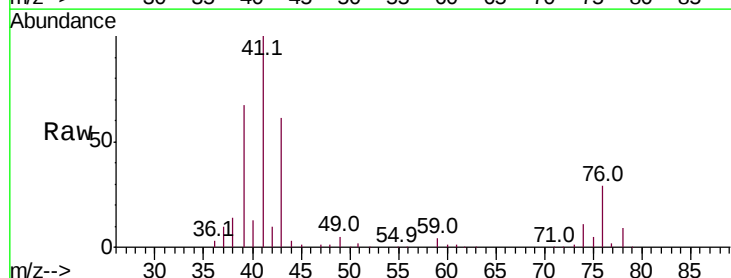
Tgt Ion: 41 Resp: 93366

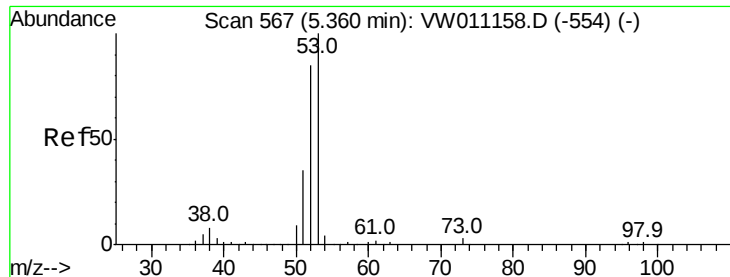
Ion Ratio Lower Upper

41 100

39 66.9 55.1 82.7

76 27.0 22.5 33.7





#15

Acrylonitrile

Concen: 116.785 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

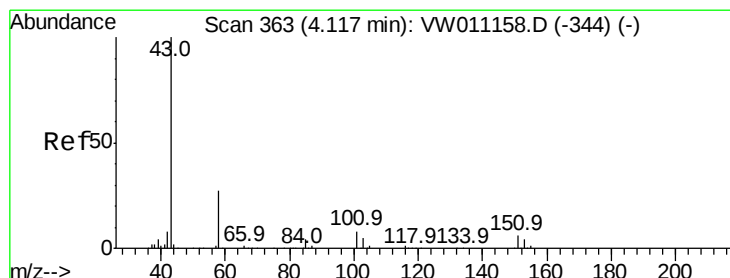
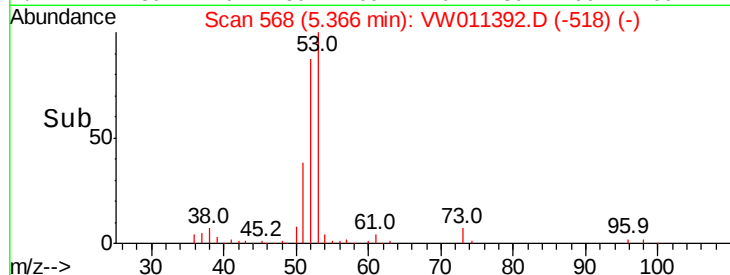
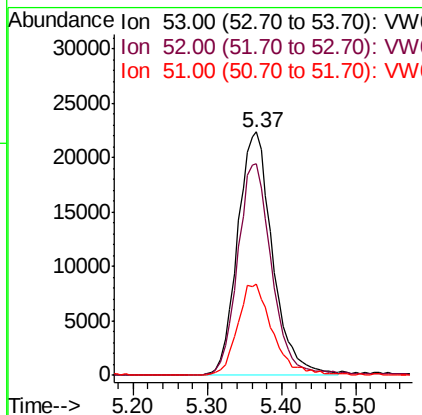
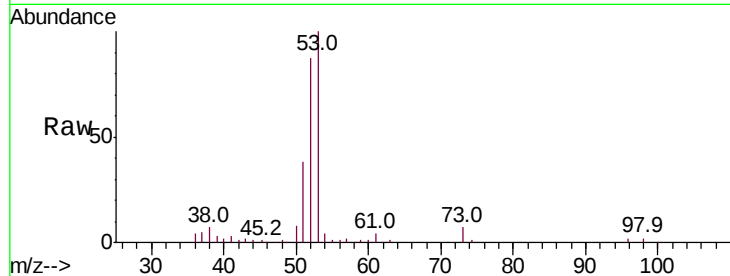
ClientSampleId :

VW0720SBS01

Tot Ion:	53	Resp:	73702
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.2	99.4
51	37.7	29.1	43.7

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#16

Acetone

Concen: 116.794 ug/l

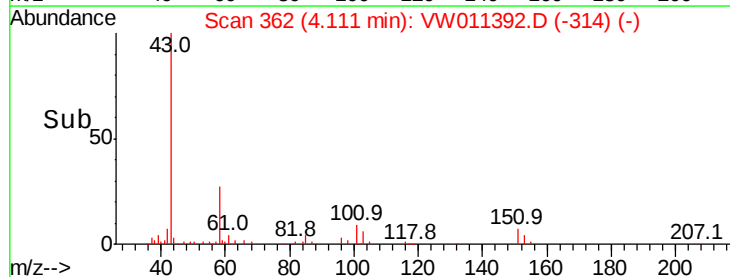
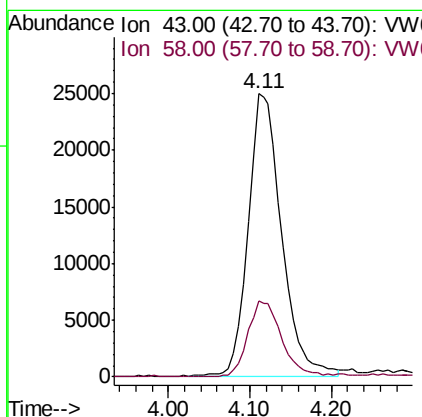
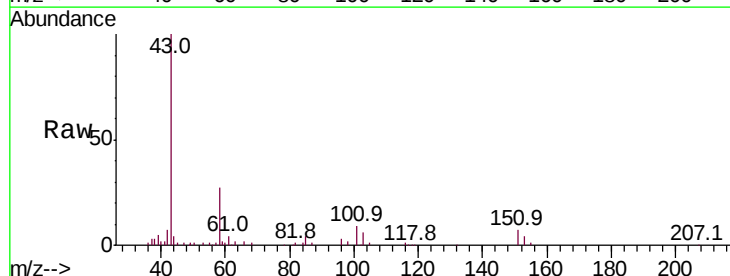
RT: 4.11 min Scan# 362

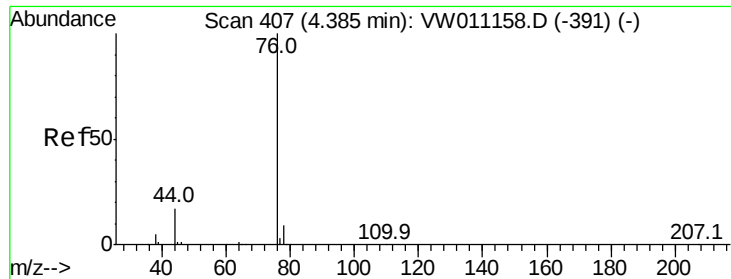
Delta R.T. -0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Tgt Ion:	43	Resp:	70771
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.8	32.6





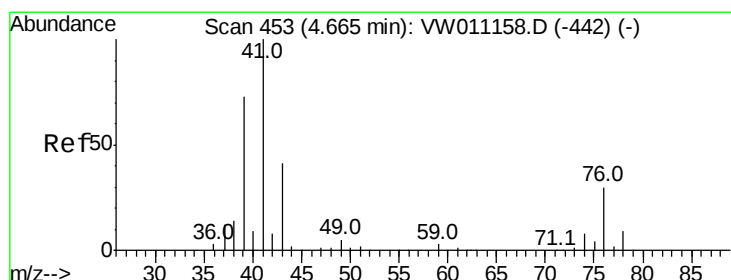
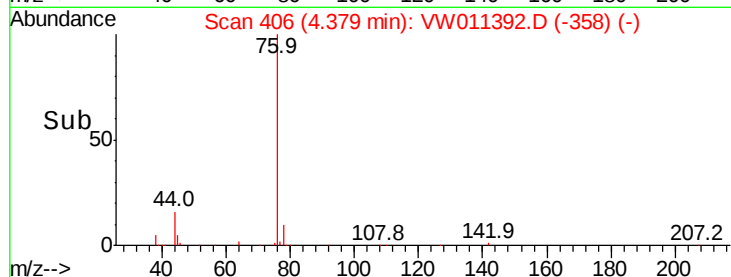
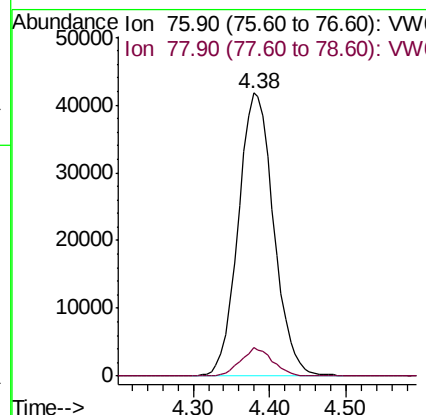
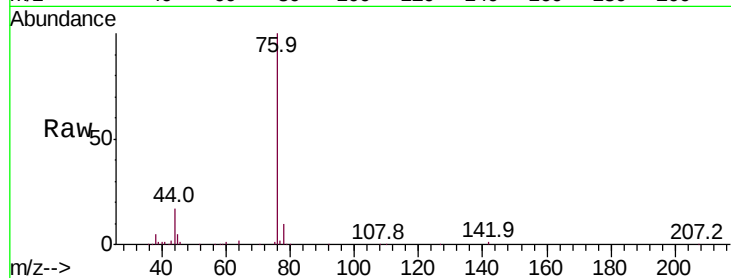
#17
Carbon Disulfide
Concen: 19.885 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion: 76 Resp: 134222
Ion Ratio Lower Upper
76 100
78 10.3 7.1 10.7

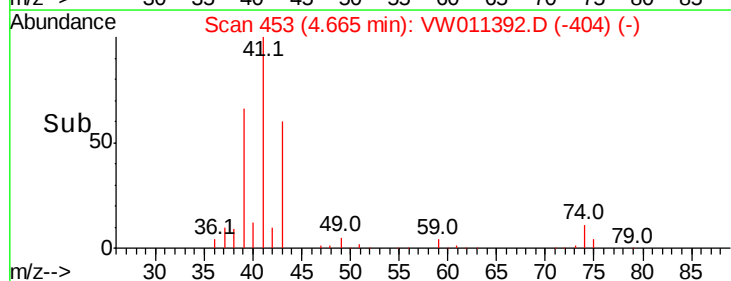
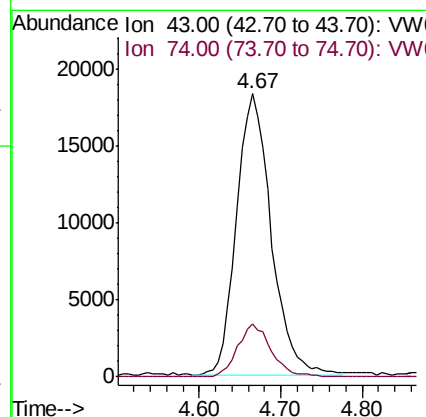
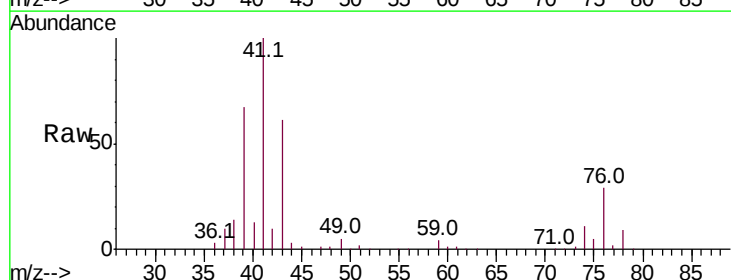
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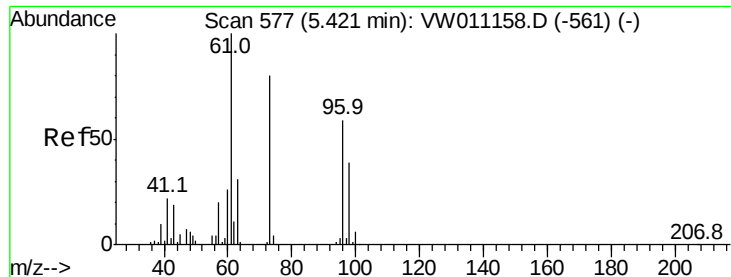
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#18
Methyl Acetate
Concen: 30.644 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion: 43 Resp: 53748
Ion Ratio Lower Upper
43 100
74 18.2 15.7 23.5





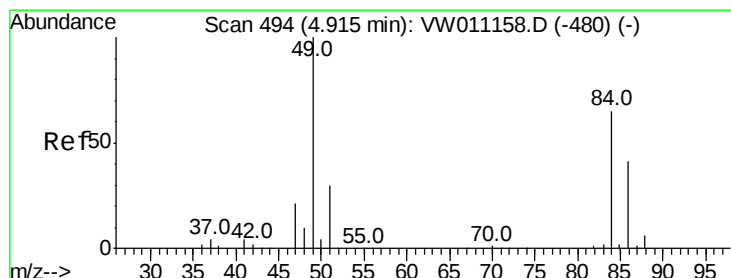
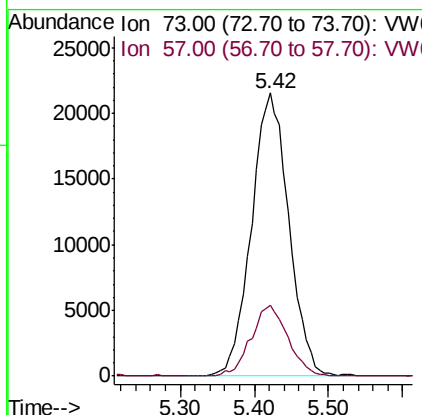
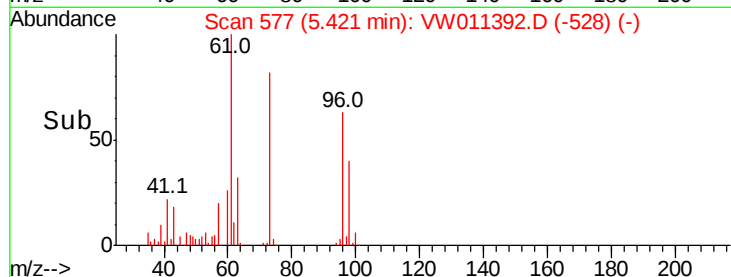
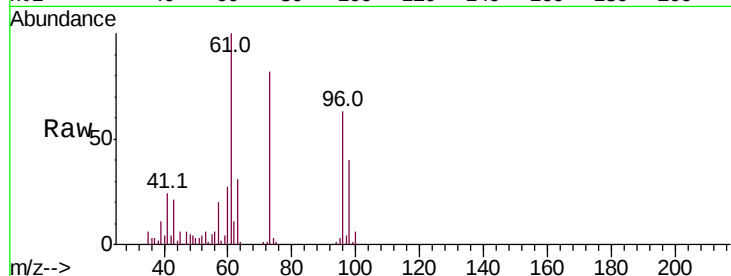
#19
Methyl tert-butyl Ether
Concen: 22.345 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion: 73 Resp: 75489
Ion Ratio Lower Upper
73 100
57 24.9 19.7 29.5

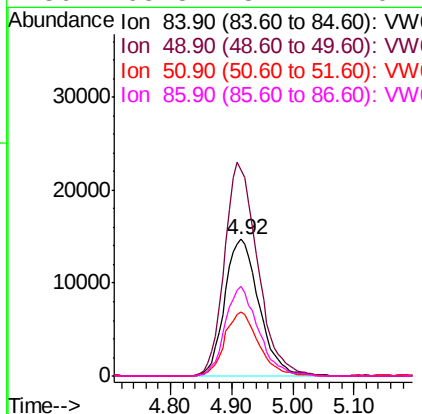
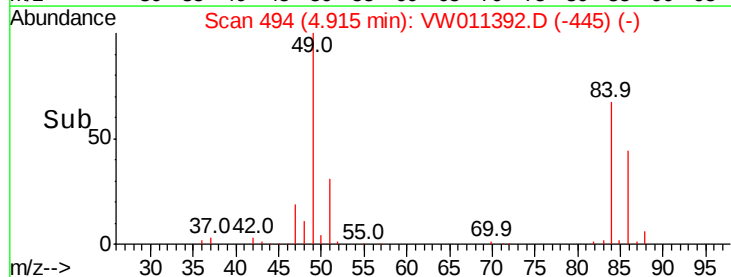
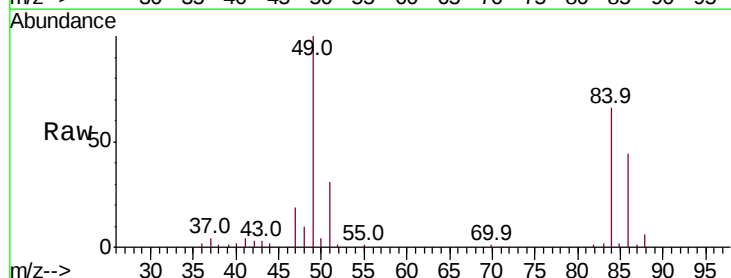
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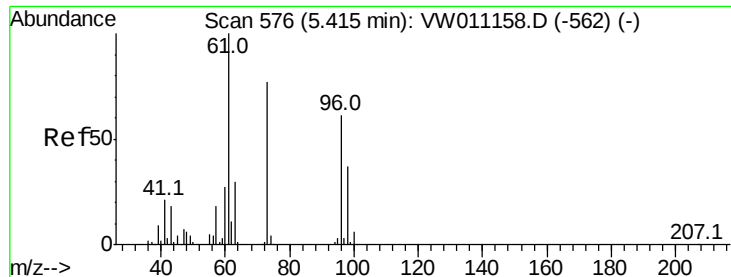
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#20
Methylene Chloride
Concen: 24.068 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion: 84 Resp: 57533
Ion Ratio Lower Upper
84 100
49 150.8 123.8 185.6
51 46.5 37.4 56.2
86 65.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 21.820 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

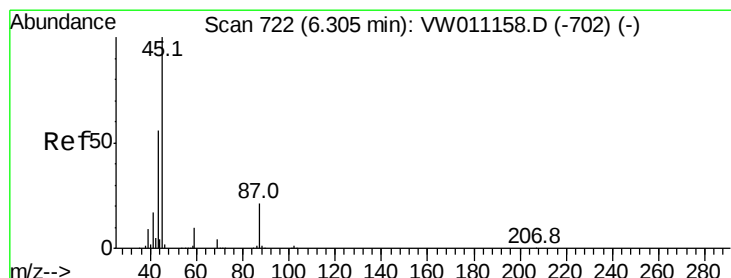
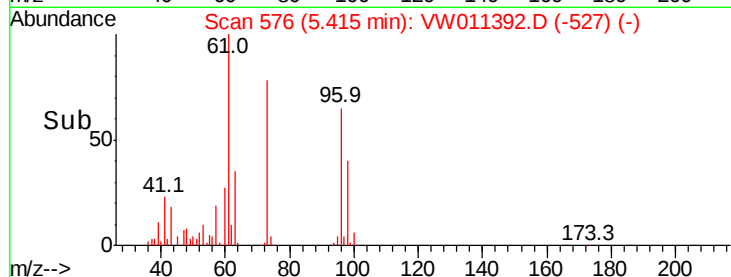
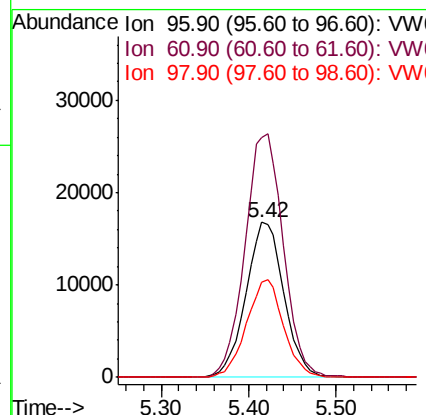
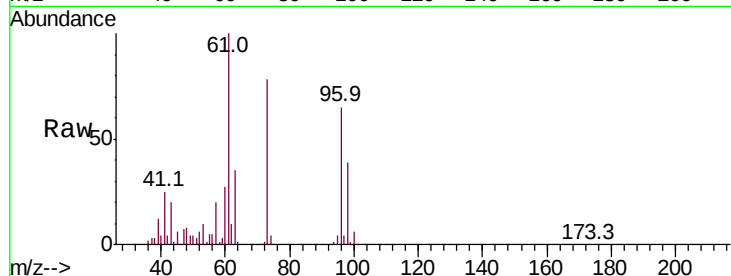
ClientSampleId :

VW0720SBS01

Tot Ion:	96	Resp:	50482
Ion Ratio	Lower	Upper	
96	100		
61	154.7	132.2	198.2
98	61.1	49.4	74.0

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#22

Diisopropyl ether

Concen: 22.923 ug/l

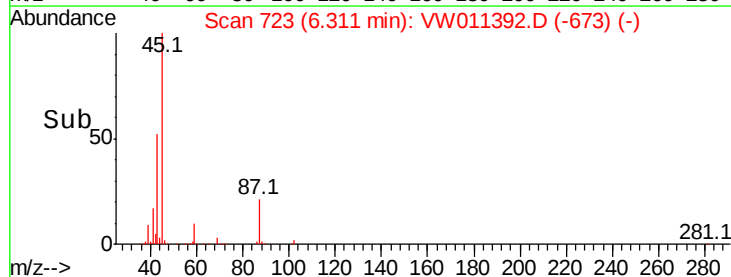
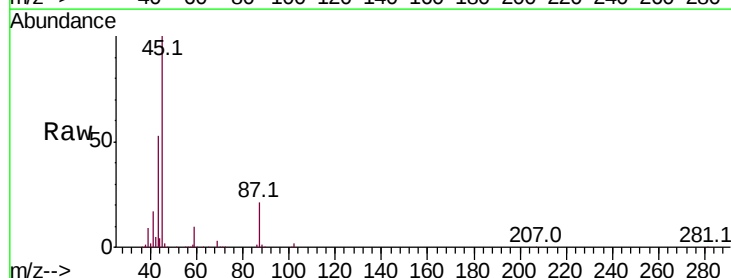
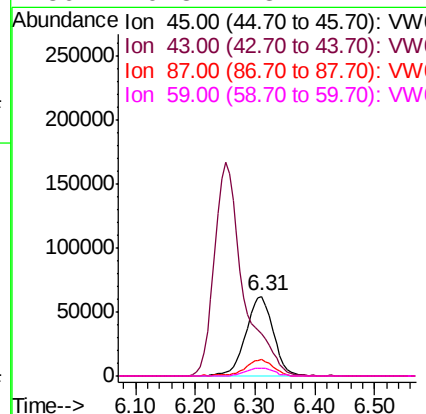
RT: 6.31 min Scan# 723

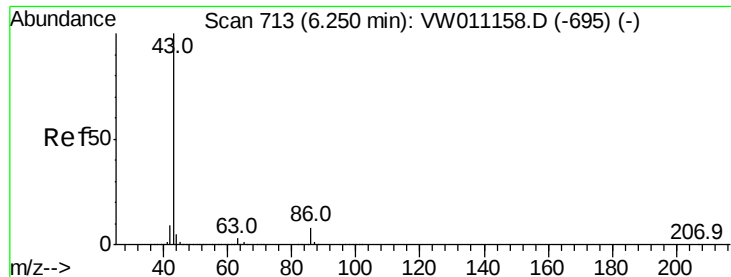
Delta R.T. 0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Tgt Ion:	45	Resp:	200171
Ion Ratio	Lower	Upper	
45	100		
43	52.2	44.6	66.8
87	21.1	17.3	25.9
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 103.165 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 43 Resp: 557530

Ion Ratio Lower Upper

43 100

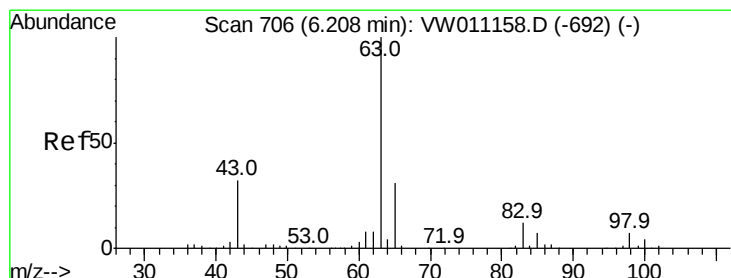
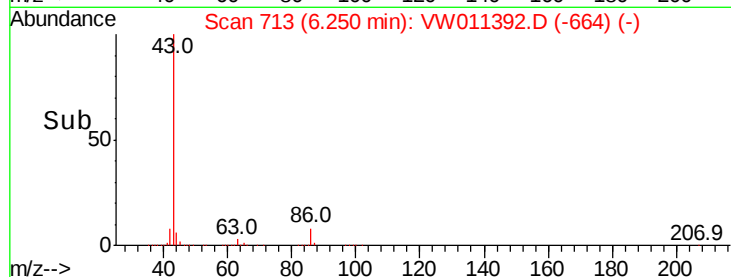
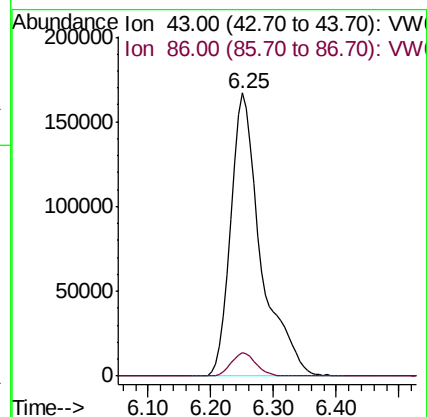
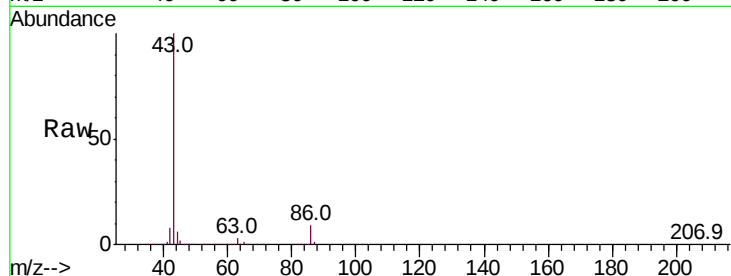
86 8.5 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 22.134 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

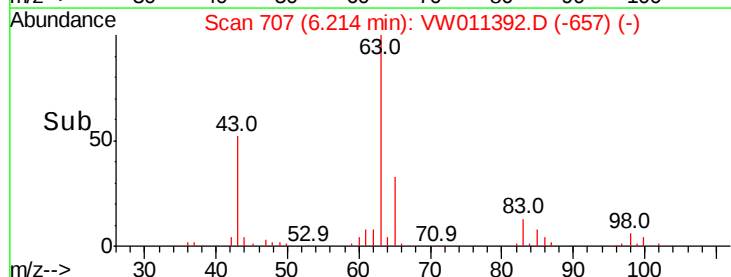
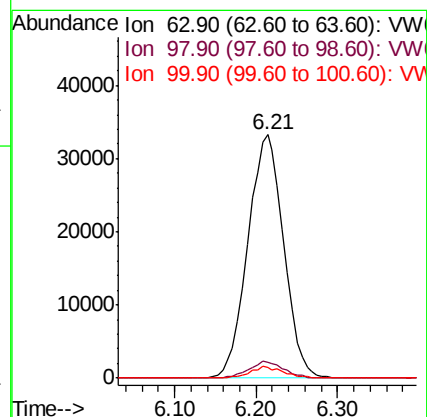
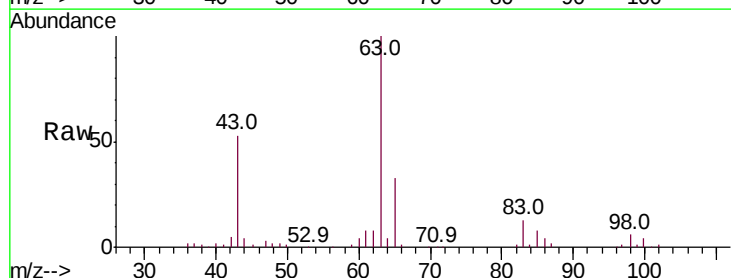
Tgt Ion: 63 Resp: 101495

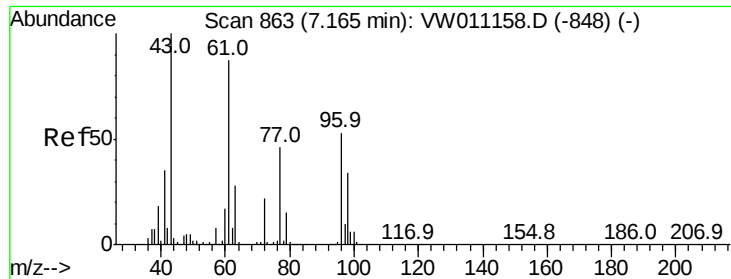
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 115.642 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 43 Resp: 109996

Ion Ratio Lower Upper

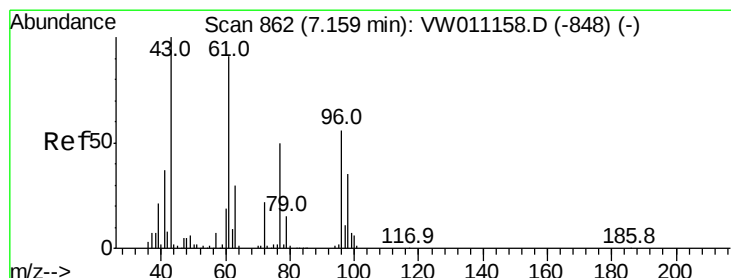
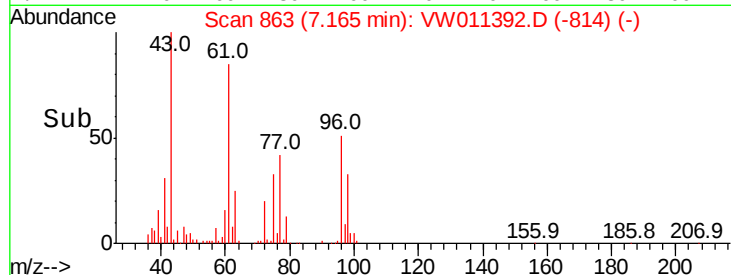
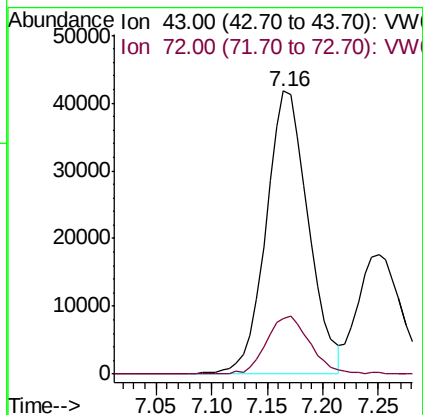
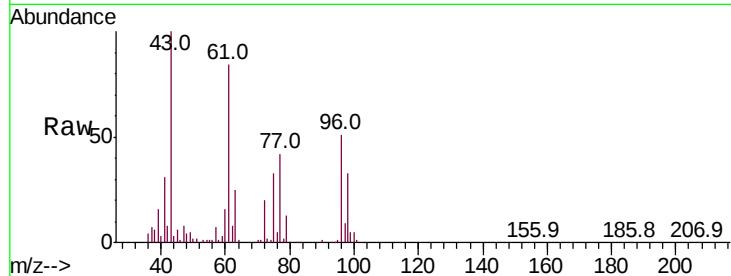
43 100

72 19.7 17.6 26.4

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#26

2,2-Dichloropropane

Concen: 22.130 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011392.D

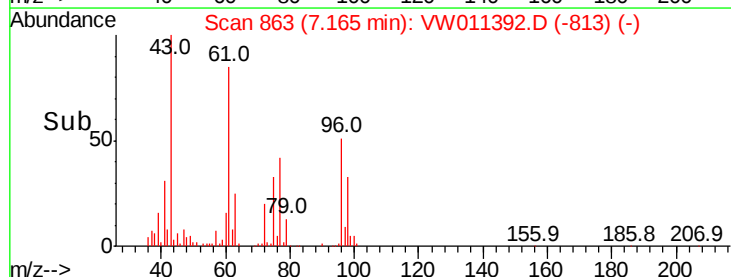
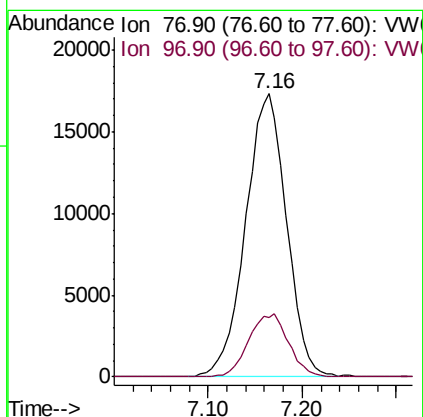
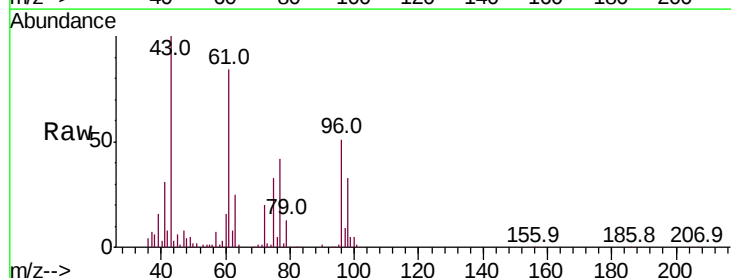
Acq: 19 Jul 2019 23:58

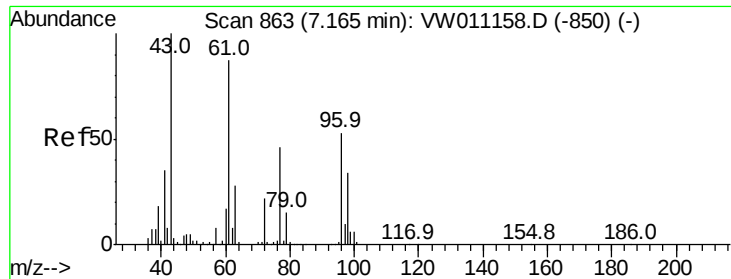
Tgt Ion: 77 Resp: 52749

Ion Ratio Lower Upper

77 100

97 21.7 11.2 33.5





#27

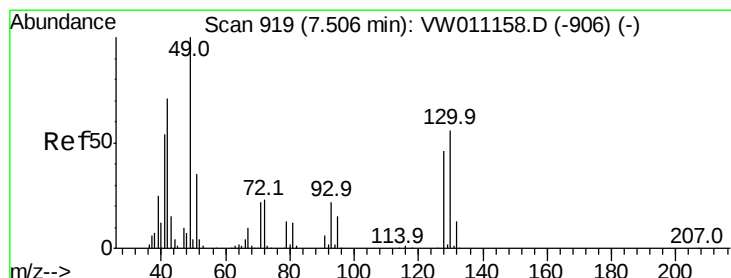
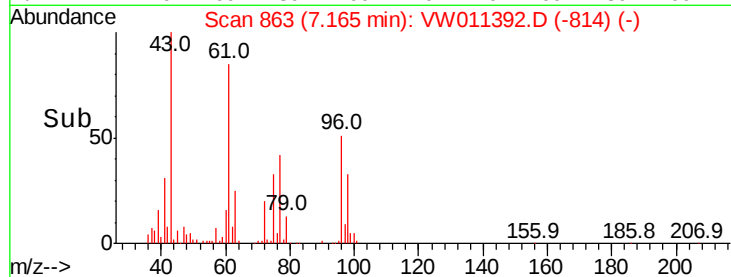
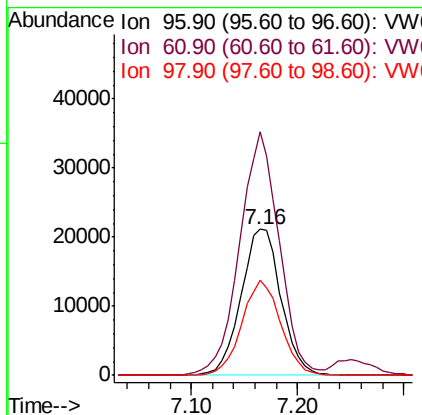
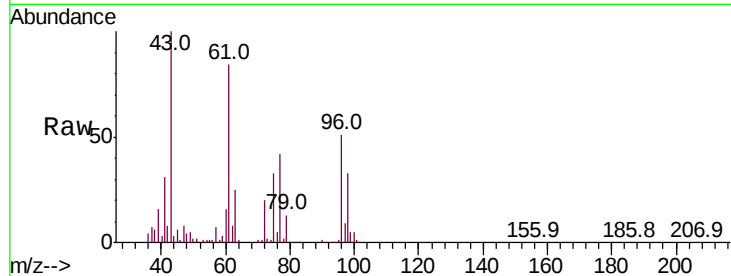
cis-1,2-Dichloroethene
Concen: 22.319 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampled :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	325.6
98	62.9	0.0	128.2

Manual Integrations
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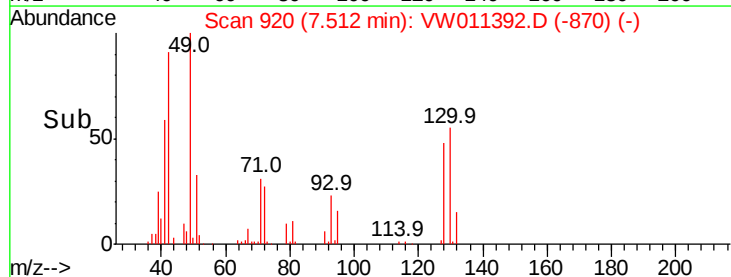
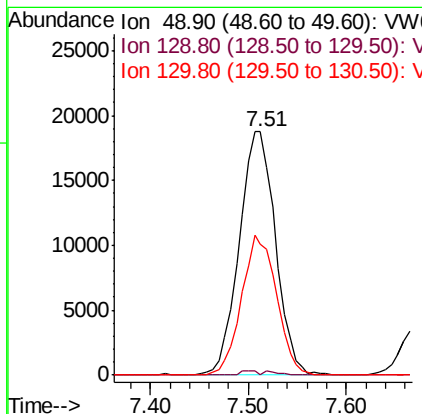
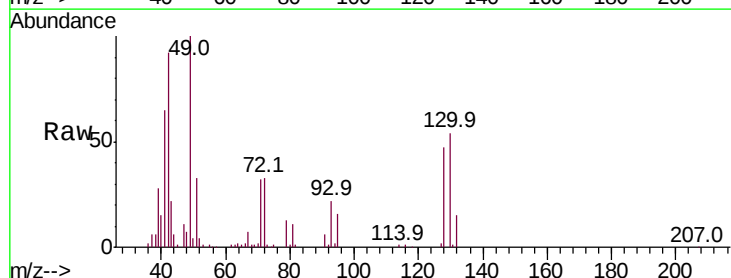
MMDadoda
7/22/2019 9:21:47 AM

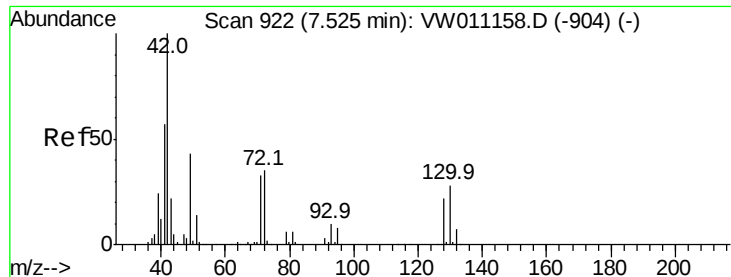


#28

Bromochloromethane
Concen: 23.130 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.4
130	0.0	45.8	68.8#





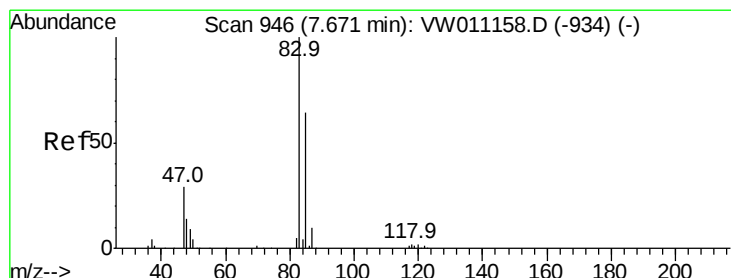
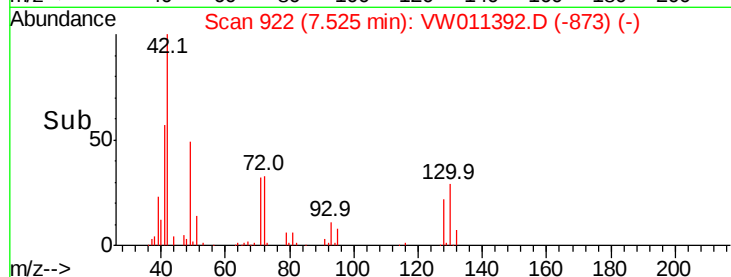
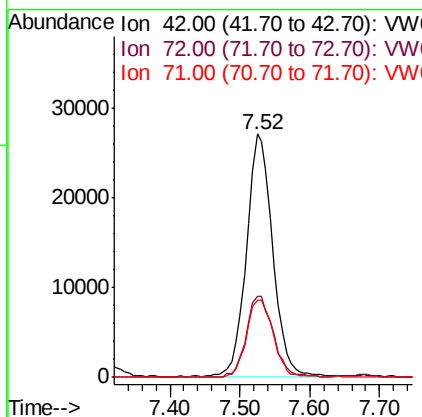
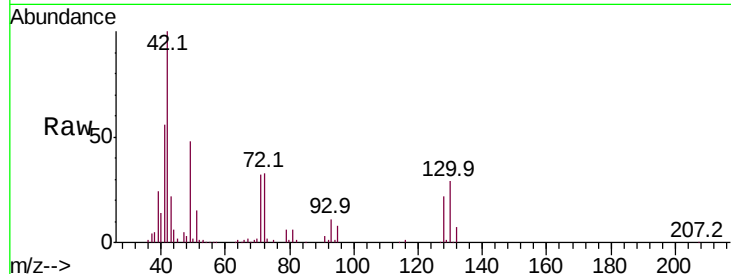
#29
Tetrahydrofuran
Concen: 112.483 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.4	41.2
71	33.0	25.9	38.9

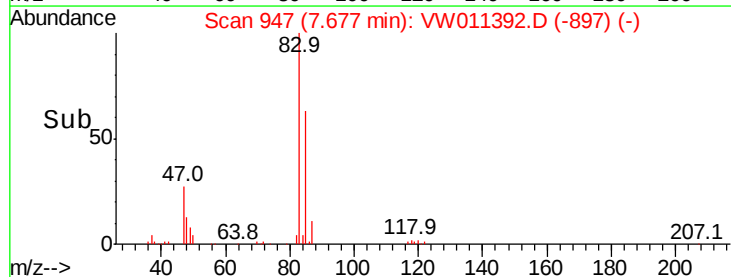
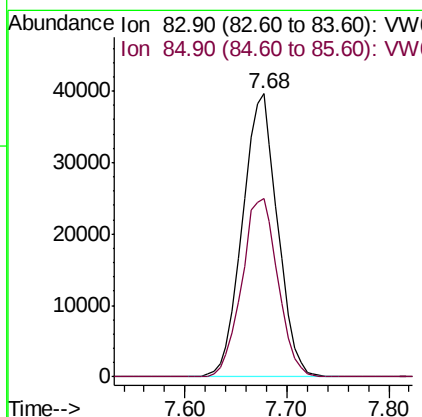
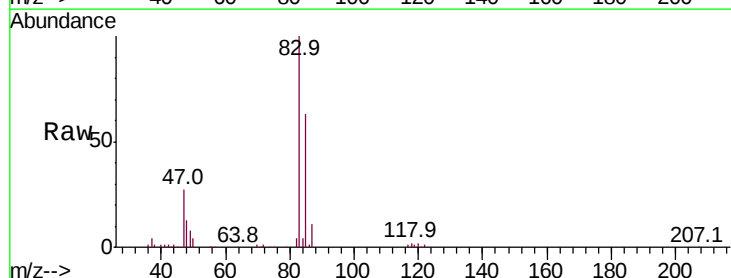
Manual Integrations
APPROVED

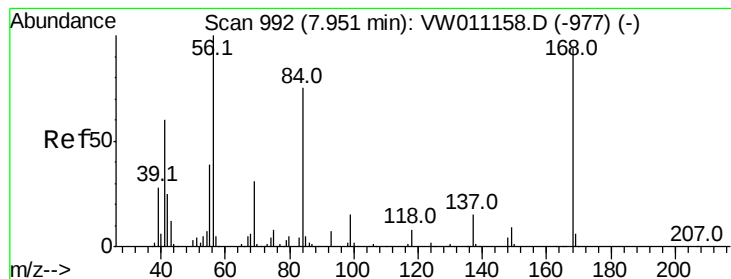
MMDadoda
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#30
Chloroform
Concen: 22.288 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2





#31

Cyclohexane

Concen: 19.653 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 56 Resp: 95875

Ion Ratio Lower Upper

56 100

69 35.4 24.6 36.8

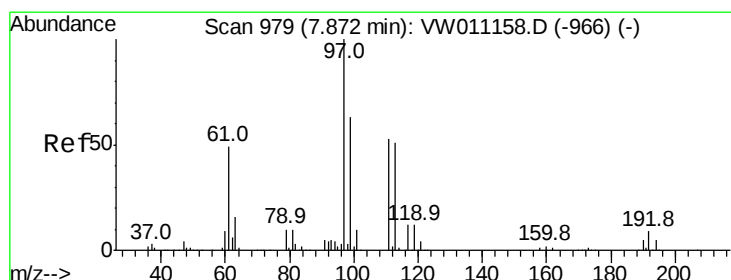
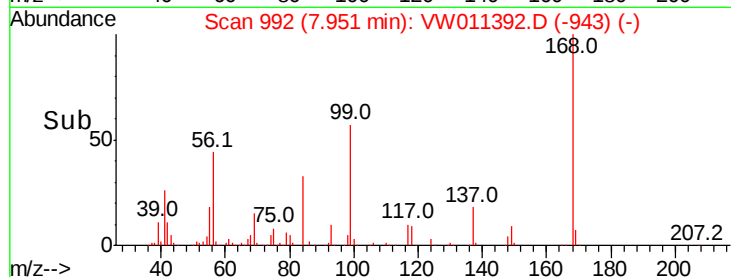
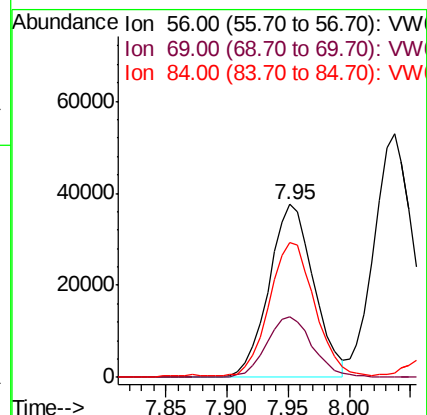
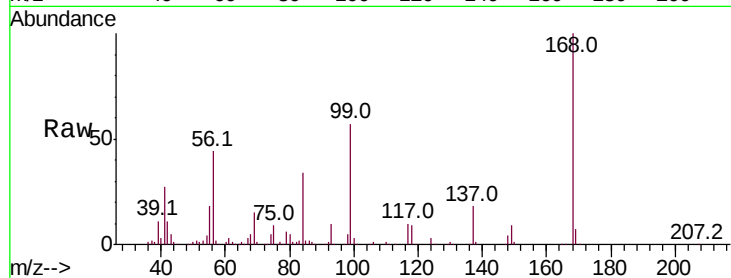
84 76.2 60.1 90.1

Manual Integrations

APPROVED

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#32

1,1,1-Trichloroethane

Concen: 21.926 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

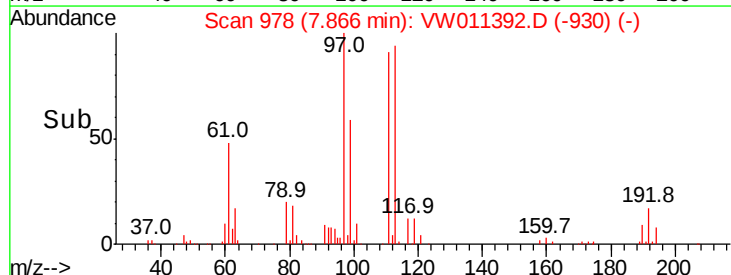
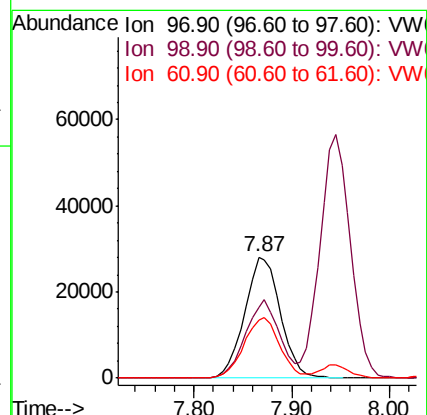
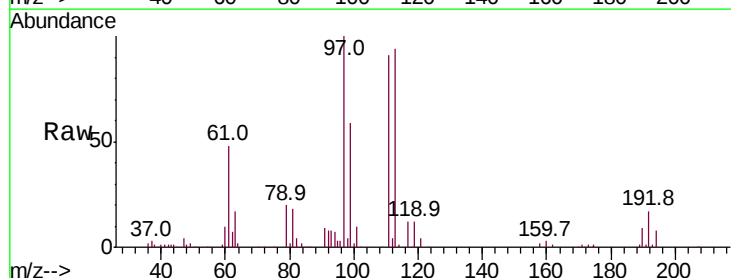
Tgt Ion: 97 Resp: 70831

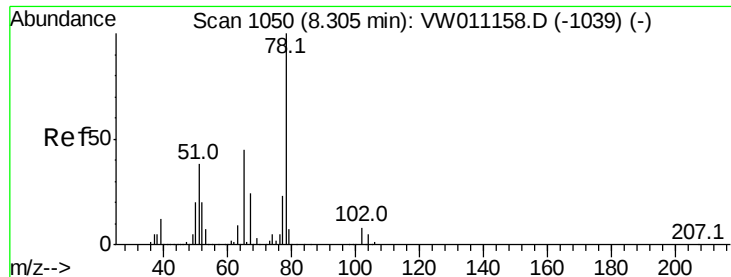
Ion Ratio Lower Upper

97 100

99 61.6 51.0 76.4

61 50.3 40.4 60.6





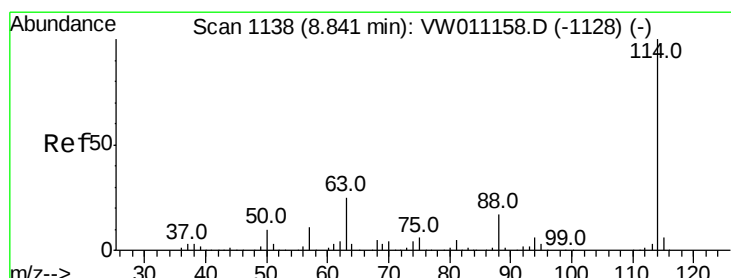
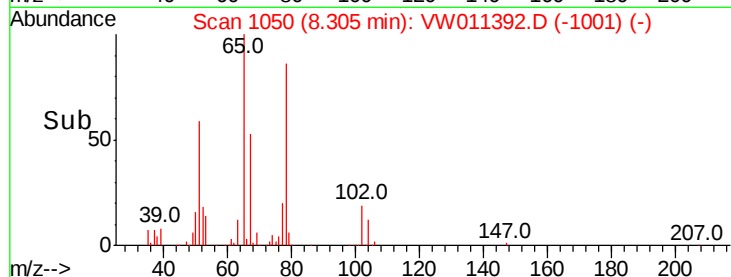
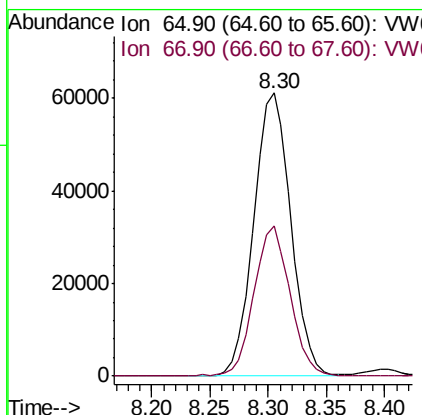
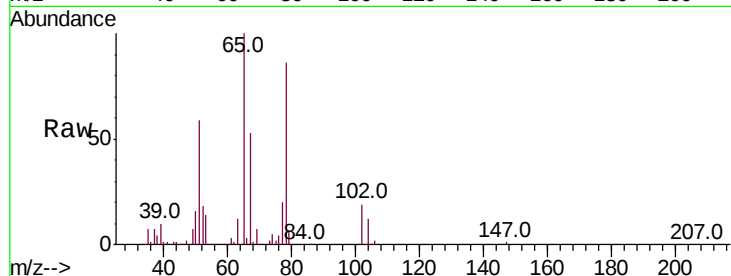
#33
 1,2-Dichloroethane-d4
 Concen: 53.916 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.4

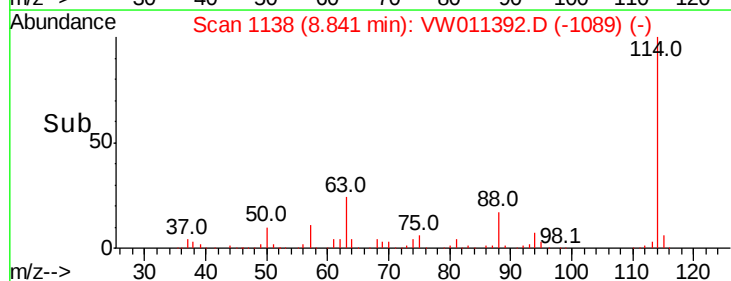
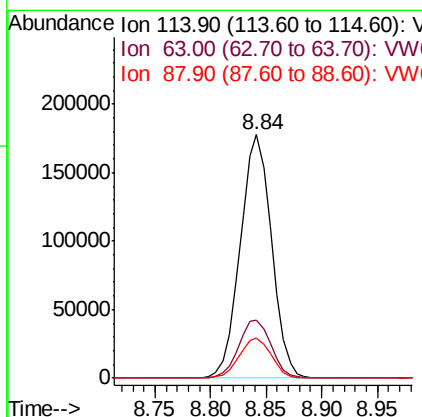
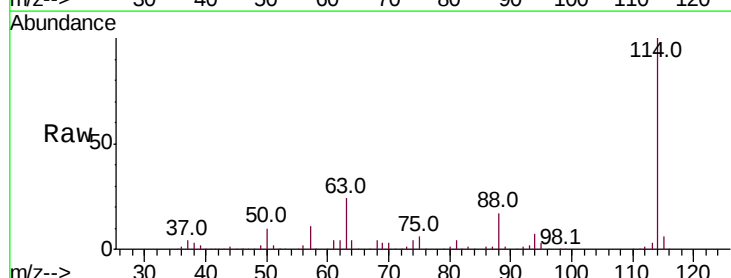
Manual Integrations
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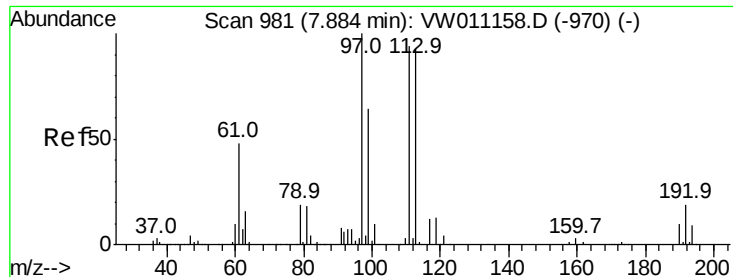
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	50.8
88	16.6	0.0	34.2





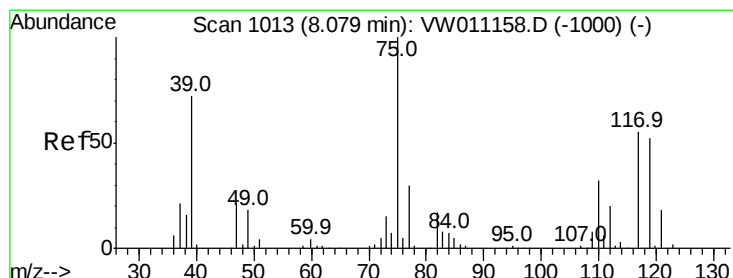
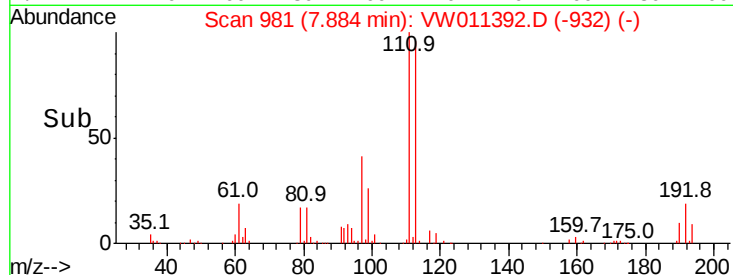
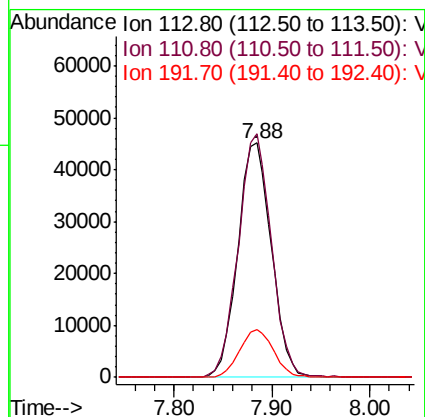
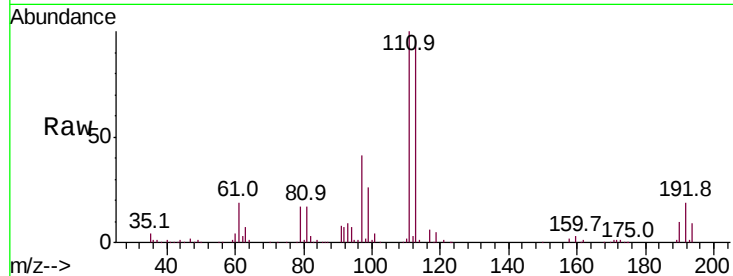
#35
 Dibromofluoromethane
 Concen: 51.994 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107510		
111	102.4	82.4	123.6	
192	20.4	15.8	23.8	

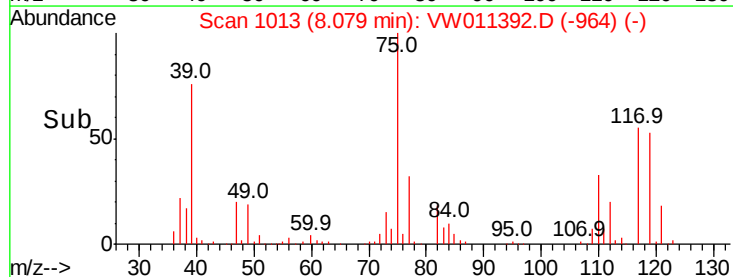
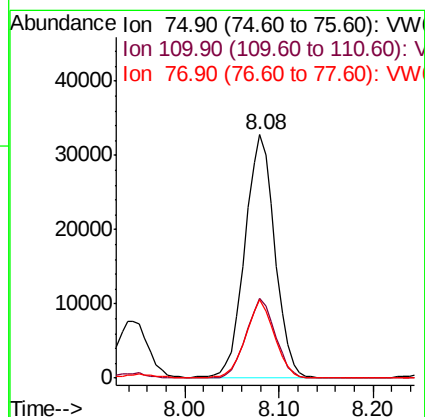
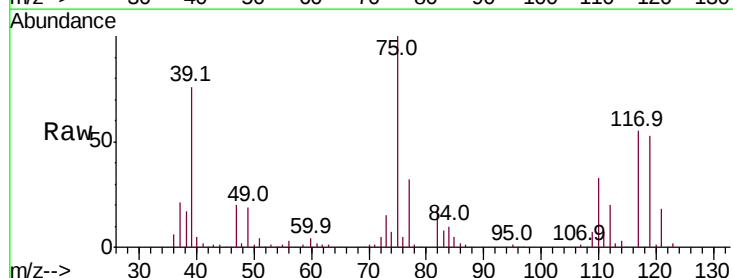
Manual Integrations
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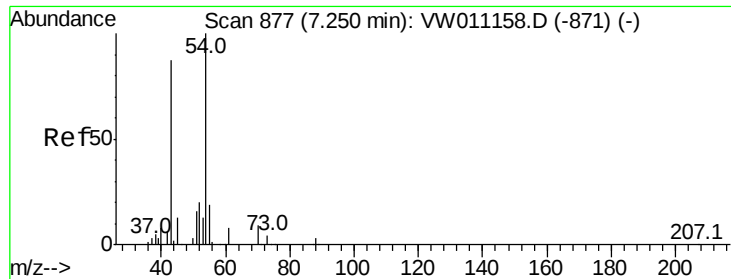
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#36
 1,1-Dichloropropene
 Concen: 19.867 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73393		
110	31.9	15.9	47.6	
77	31.2	24.6	36.8	





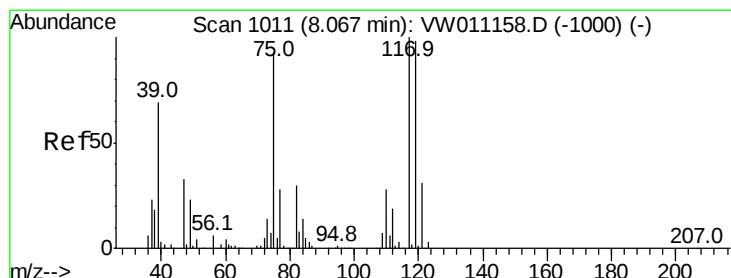
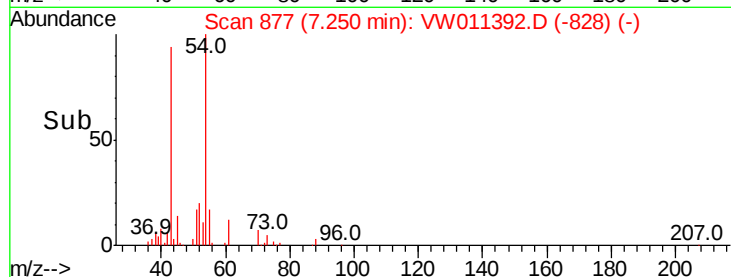
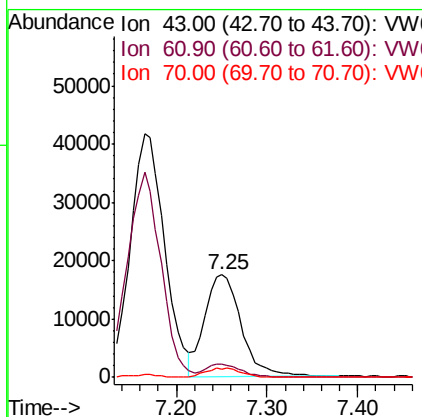
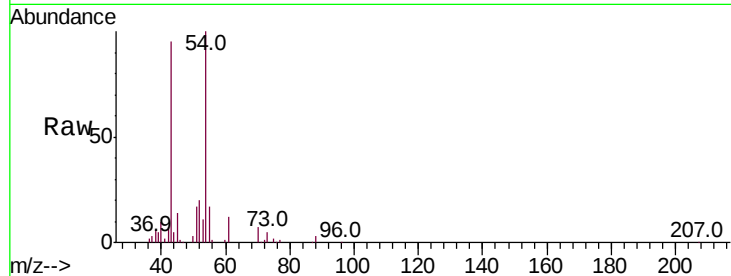
#37
Ethyl Acetate
Concen: 22.071 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.5	14.3
70	8.8	7.1	10.7

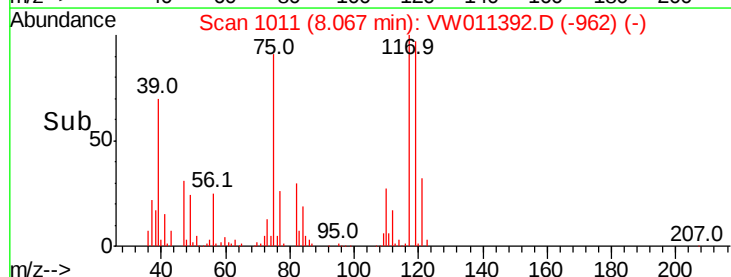
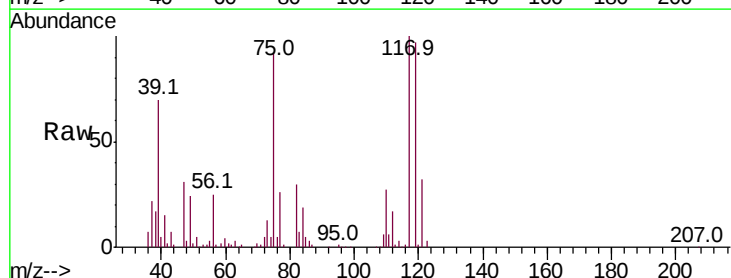
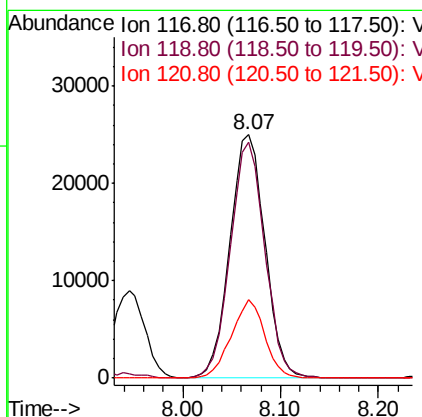
Manual Integrations
APPROVED

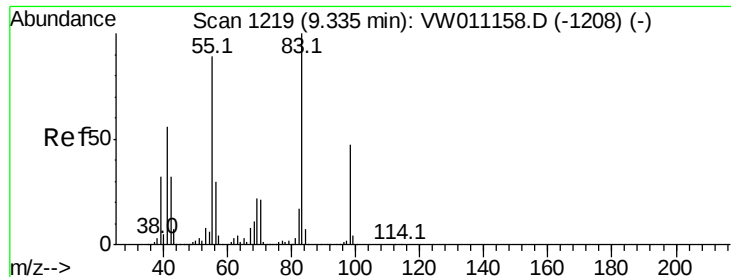
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#38
Carbon Tetrachloride
Concen: 19.870 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.1	117.1
121	32.2	25.1	37.7





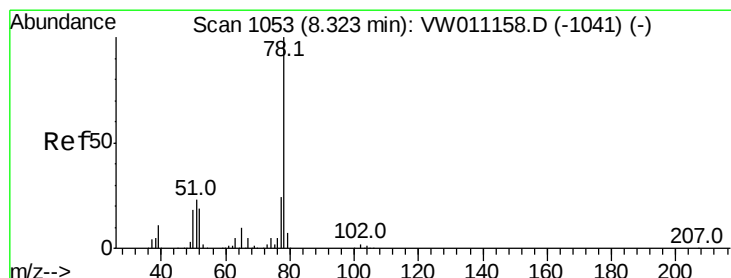
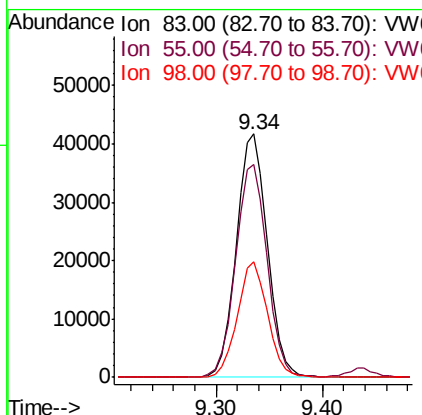
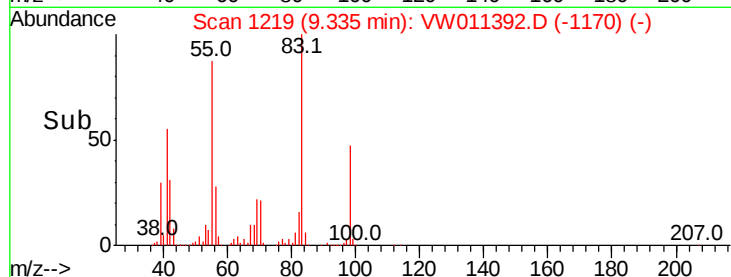
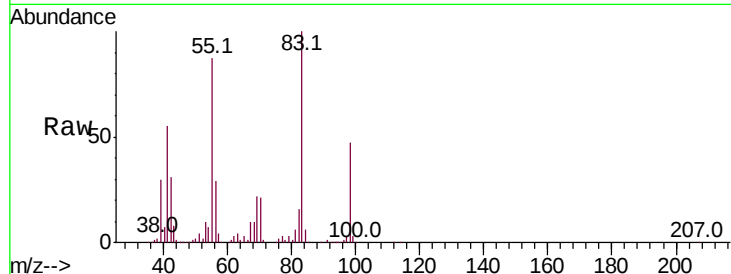
#39
Methvlcvclohexane
Concen: 19.078 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	83	Resp	85426
Ion Ratio	100	Lower	Upper
55	87.2	71.2	106.8
98	47.5	37.5	56.3

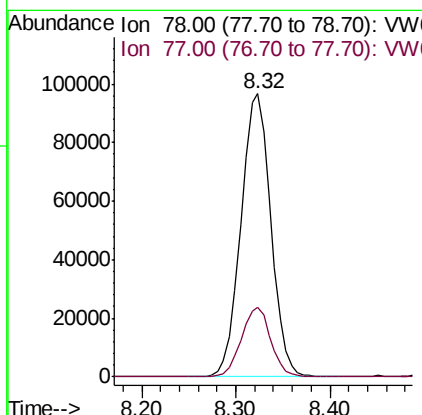
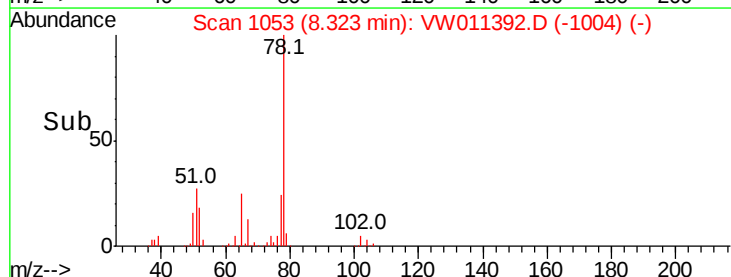
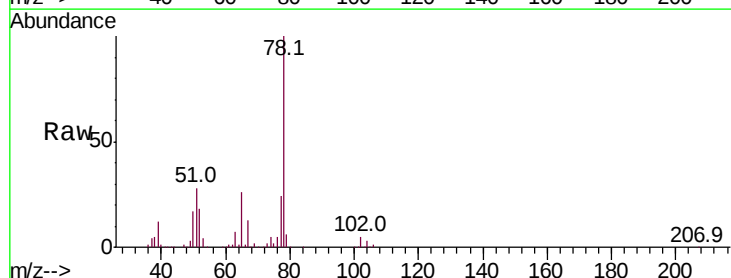
Manual Integrations
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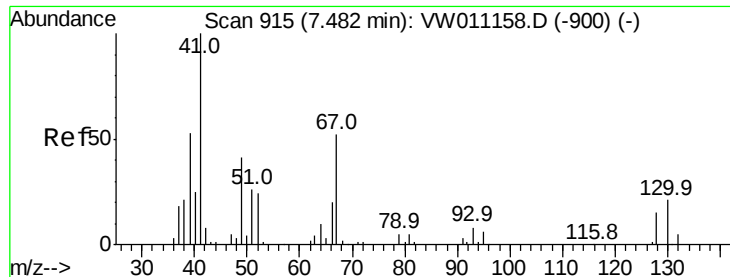
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#40
Benzene
Concen: 21.058 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	78	Resp	214995
Ion Ratio	100	Lower	Upper
77	24.4	19.0	28.6





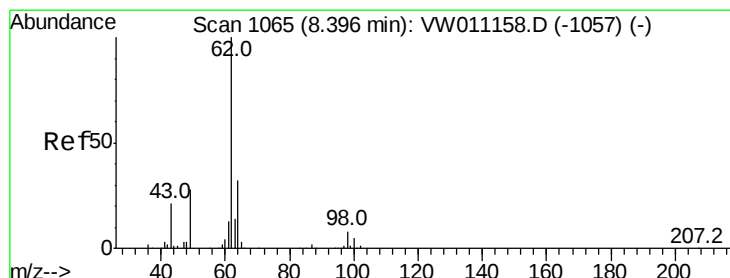
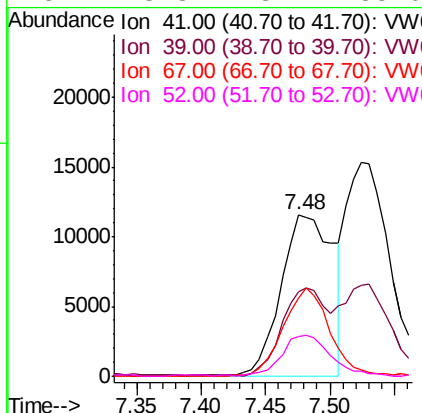
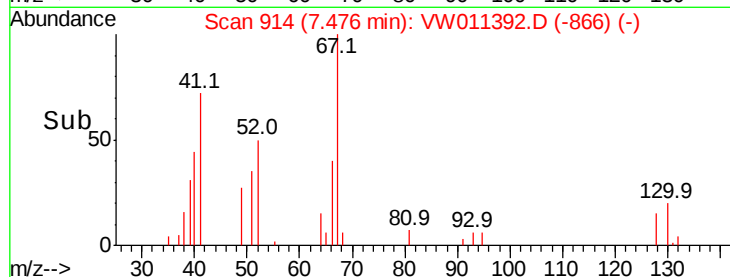
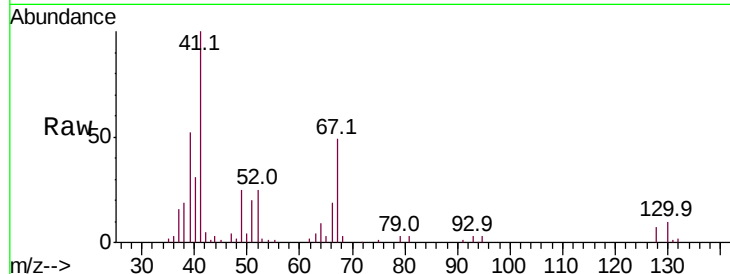
#41
Methacrylonitrile
Concen: 25.688 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.6	48.0	72.0#
67	48.9	49.7	74.5#
52	23.8	23.4	35.0

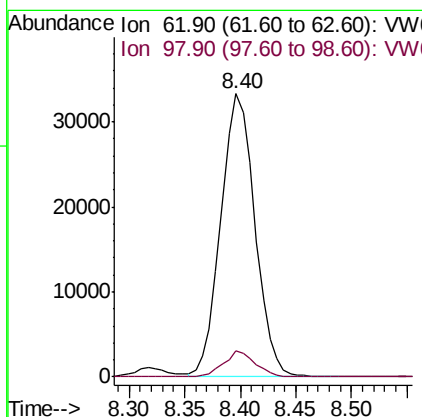
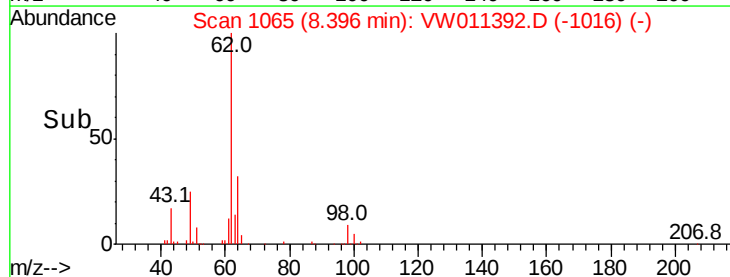
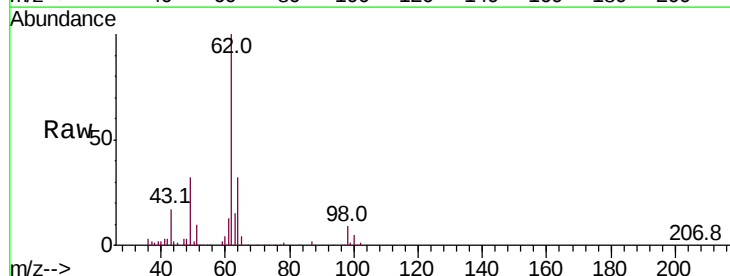
Manual Integrations
APPROVED

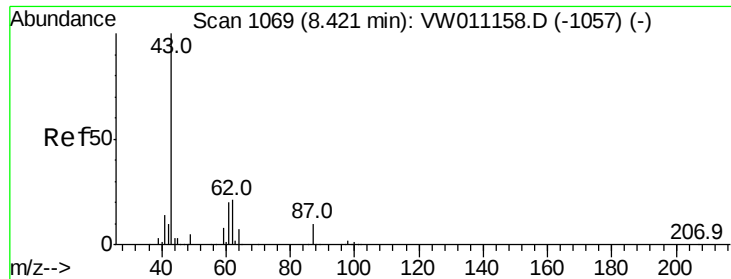
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.448 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 21.000 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

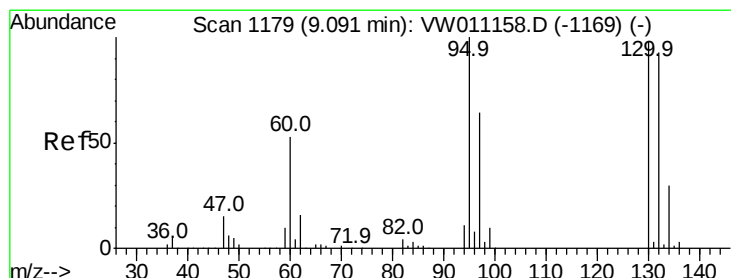
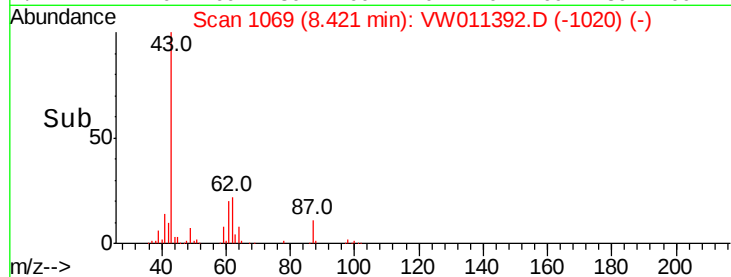
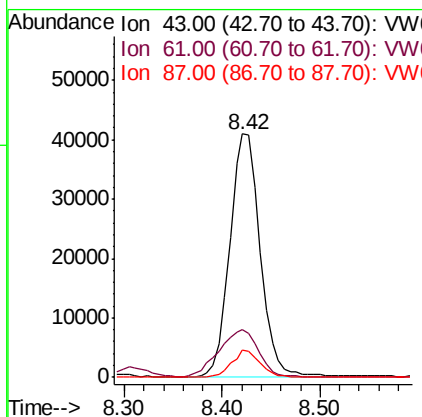
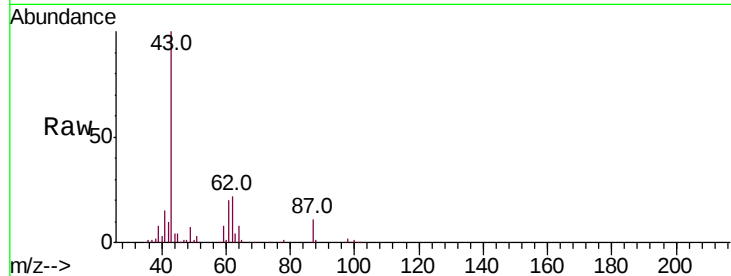
ClientSampleId :

VW0720SBS01

Tot Ion:	43	Resp:	88001
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.7	31.1
87	10.5	8.1	12.1

Manual Integrations
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#44

Trichloroethene

Concen: 20.150 ug/l

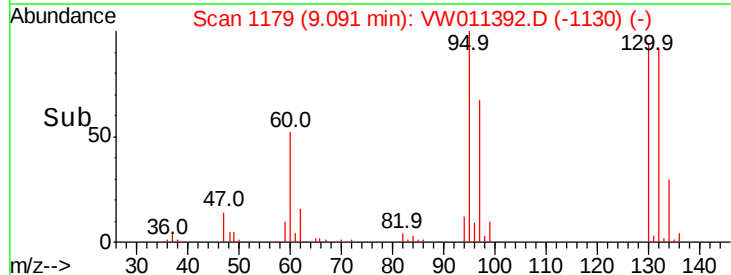
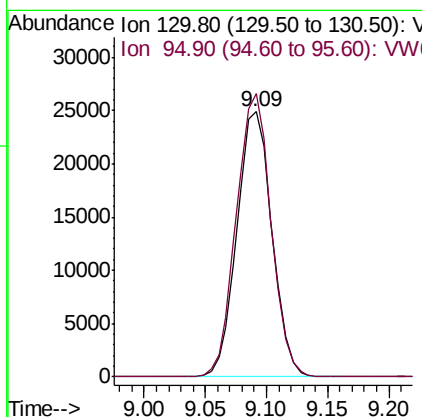
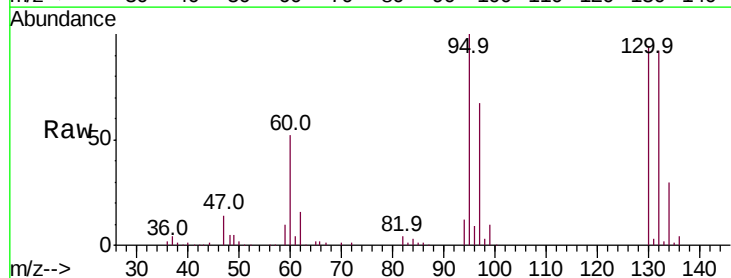
RT: 9.09 min Scan# 1179

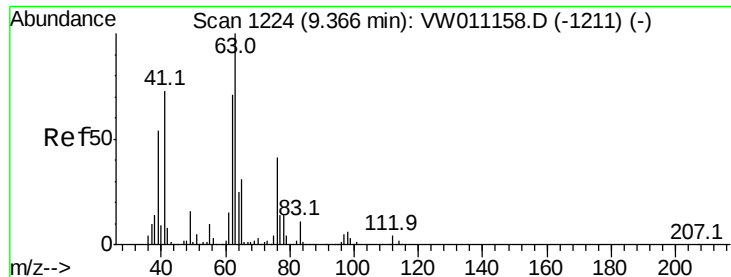
Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Tgt Ion:	130	Resp:	49506
Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	203.6





#45

1,2-Dichloropropane

Concen: 21.559 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 63 Resp: 59605

Ion Ratio Lower Upper

63 100

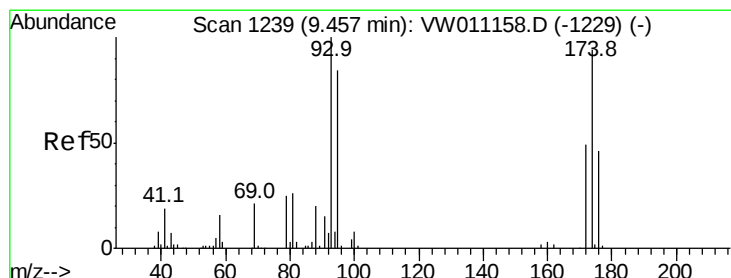
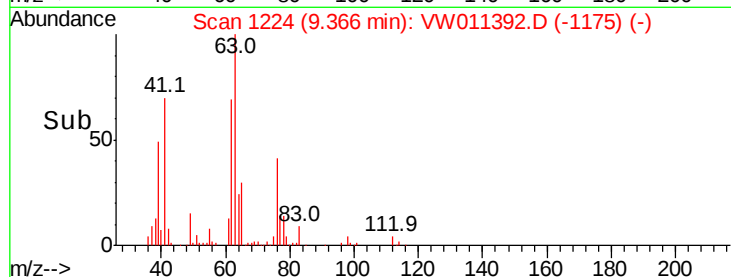
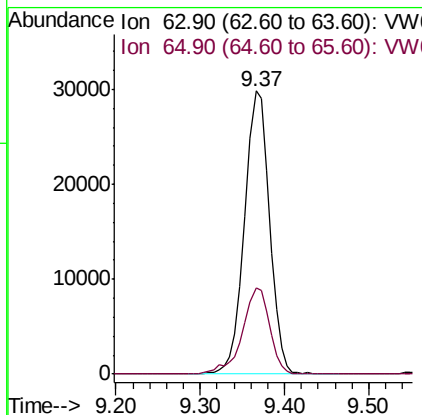
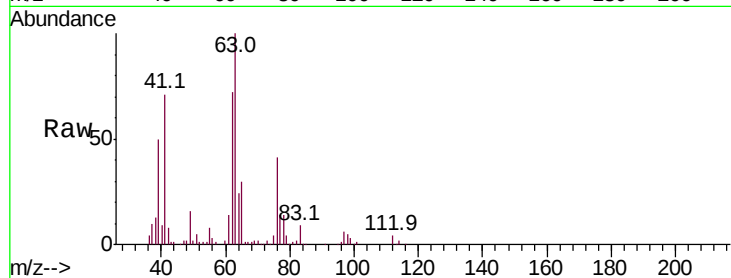
65 30.4 24.4 36.6

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 21.399 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

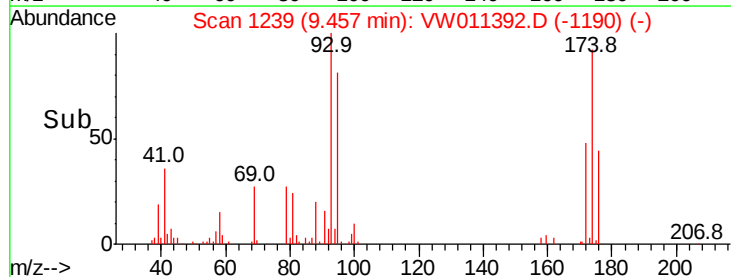
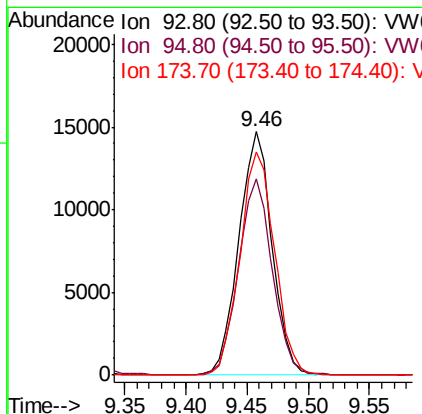
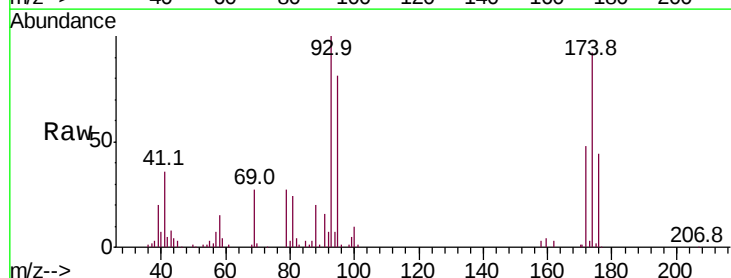
Tgt Ion: 93 Resp: 27791

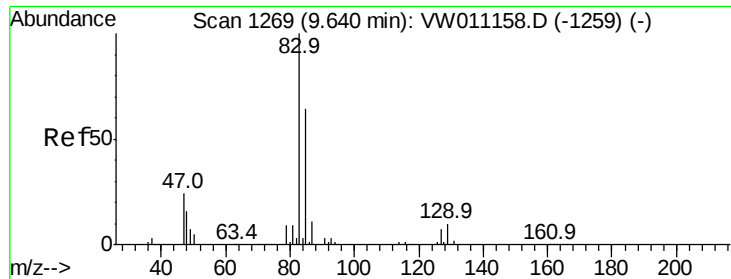
Ion Ratio Lower Upper

93 100

95 81.9 67.2 100.8

174 95.3 76.3 114.5





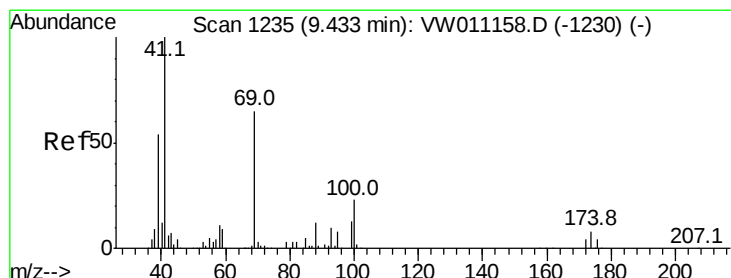
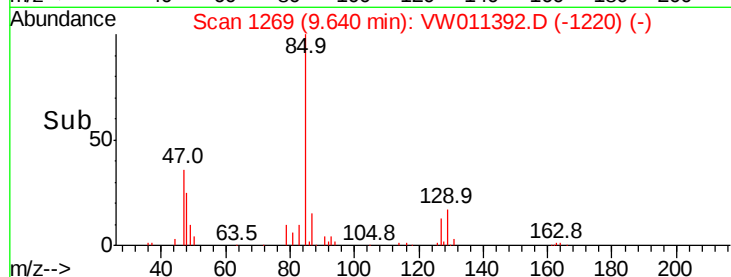
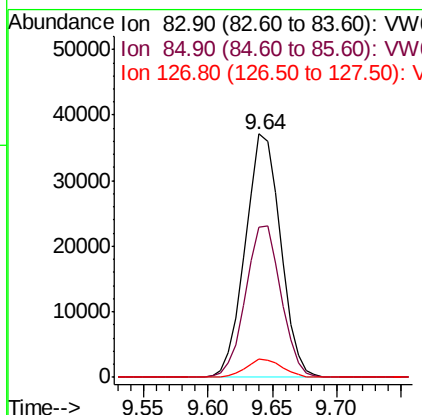
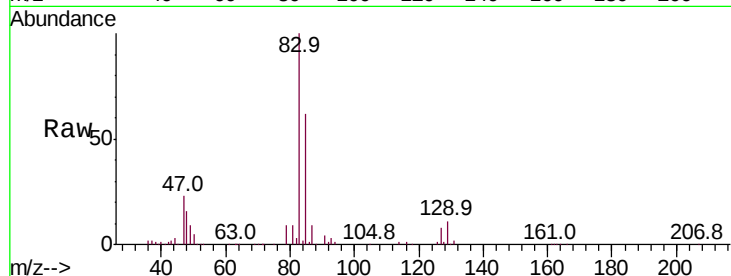
#47
Bromodichloromethane
Concen: 21.187 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.4
127	7.8	6.0	9.0

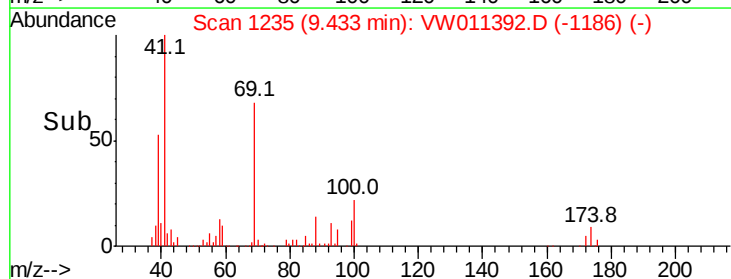
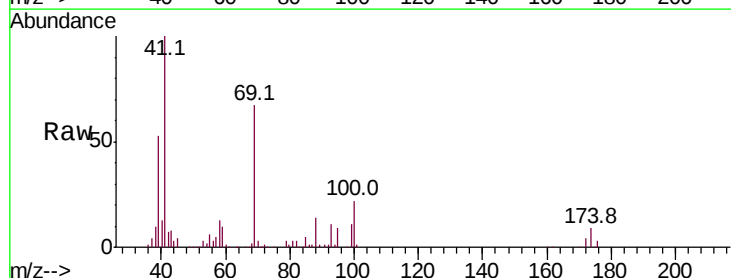
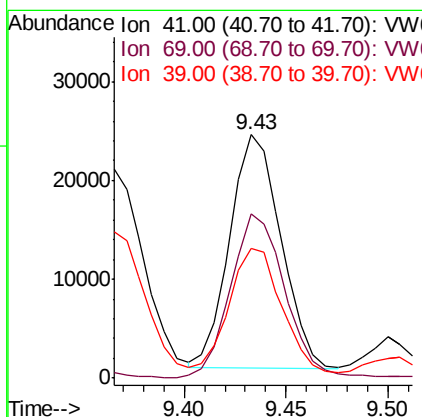
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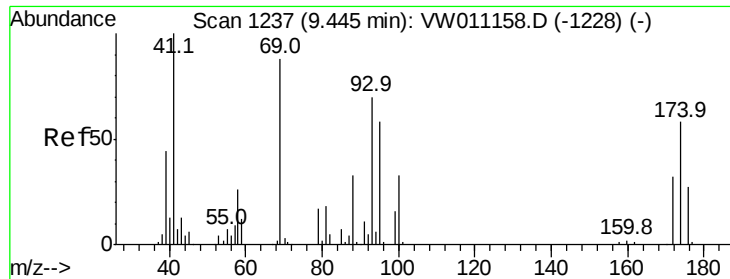
MMDadoda
7/22/2019 9:21:47 AM



#48
Methyl methacrylate
Concen: 20.444 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.8	56.0	84.0
39	53.6	43.5	65.3





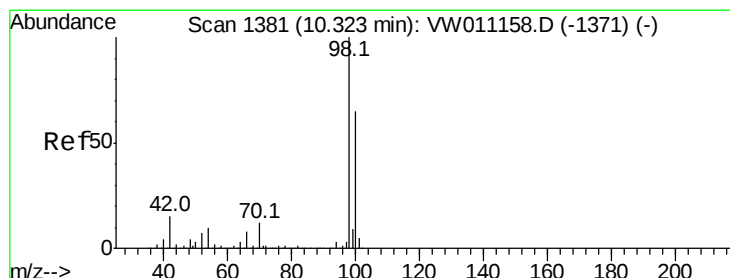
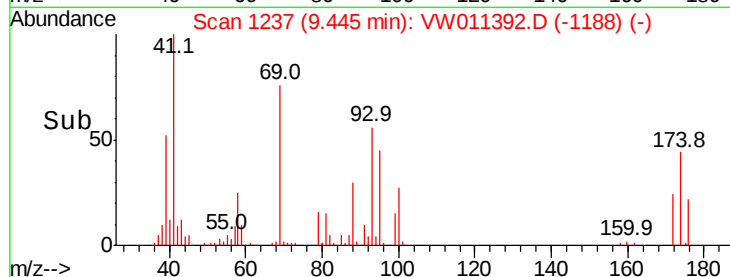
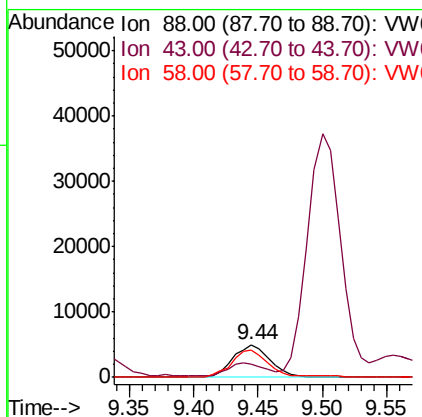
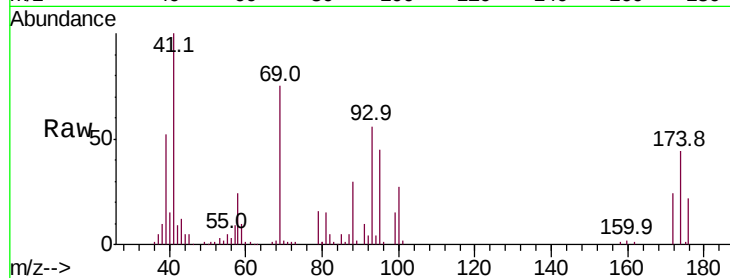
#49
1,4-Dioxane
Concen: 460.237 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.2	33.4	50.0
58	85.3	64.5	96.7

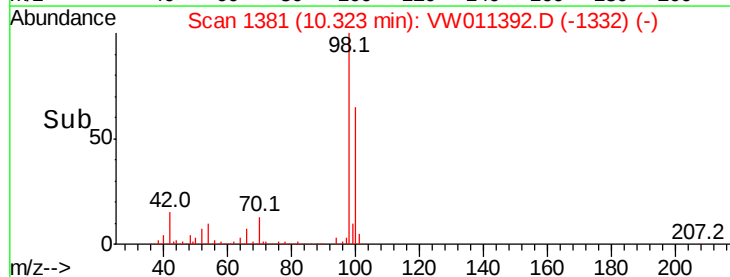
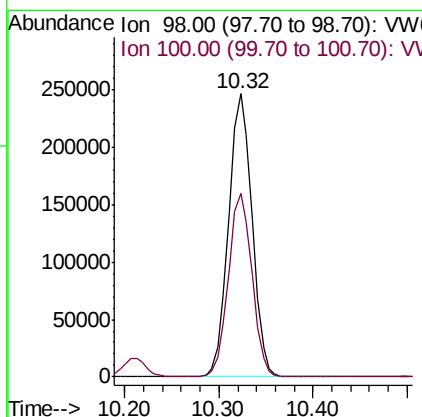
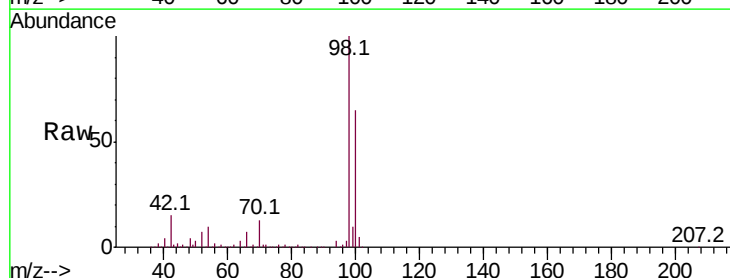
Manual Integrations
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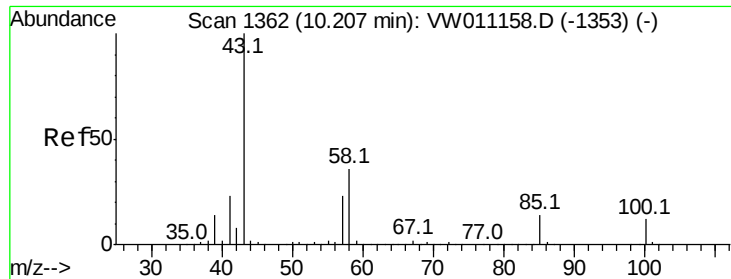
MMDadoda
7/22/2019 9:21:47 AM



#50
Toluene-d8
Concen: 51.000 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





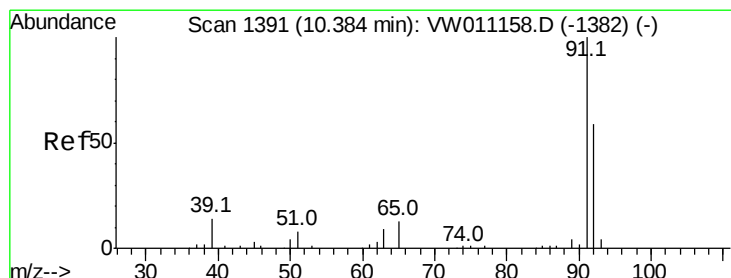
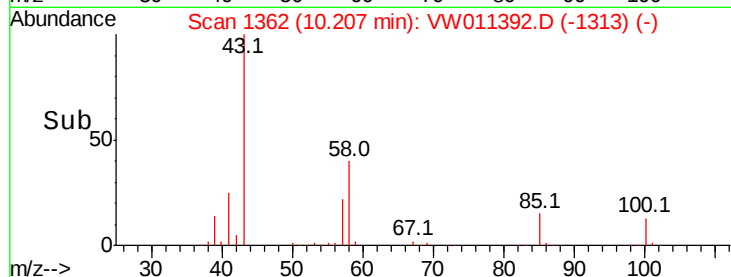
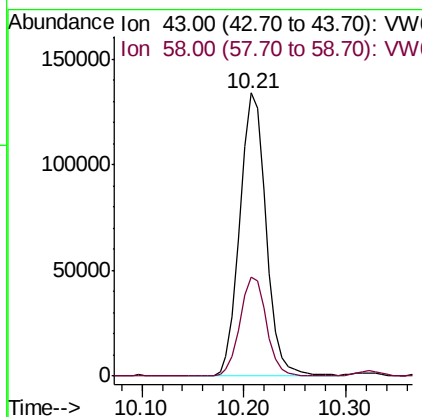
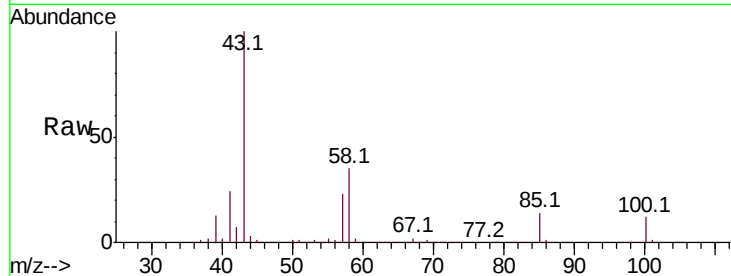
#51
4-Methyl-2-Pentanone
Concen: 108.809 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampled :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.2	42.2

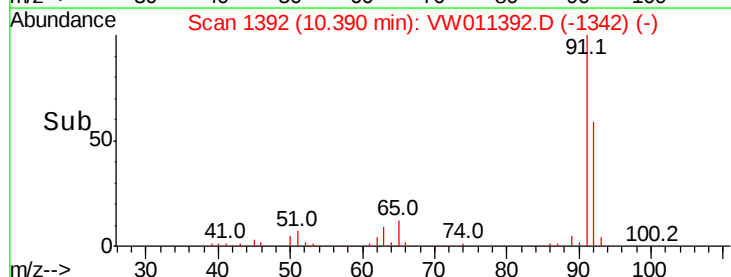
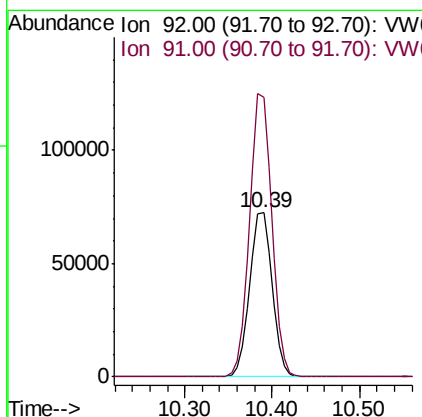
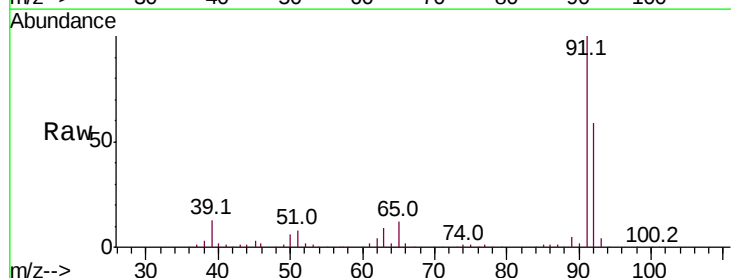
Manual Integrations
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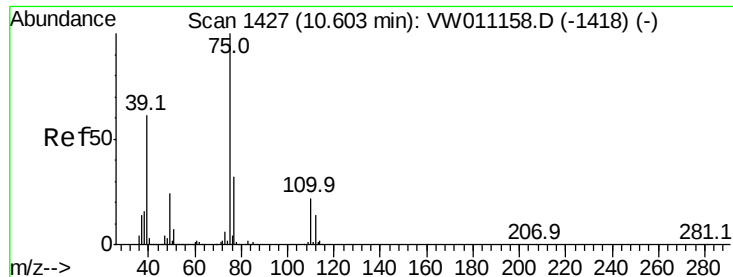
MMDadoda
7/22/2019 9:21:47 AM



#52
Toluene
Concen: 20.960 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.0	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 19.439 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W

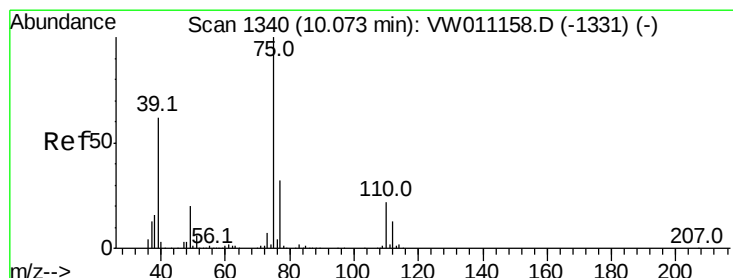
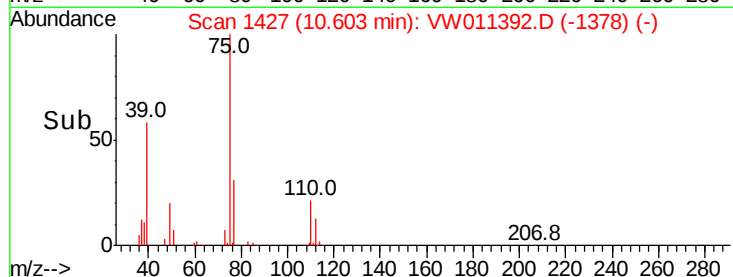
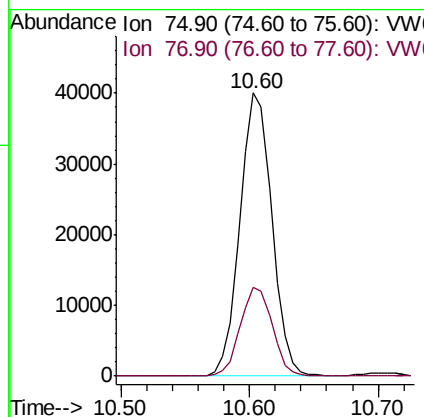
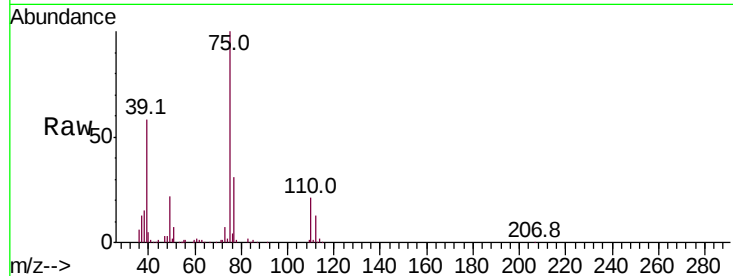
ClientSampleId :
VW0720SBS01

Tot Ion: 75 Resp: 68758

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.778 ug/l

RT: 10.07 min Scan# 1340

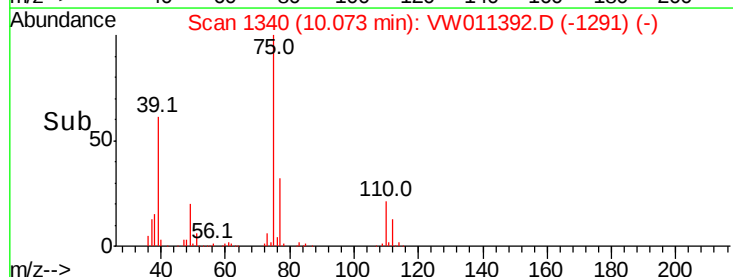
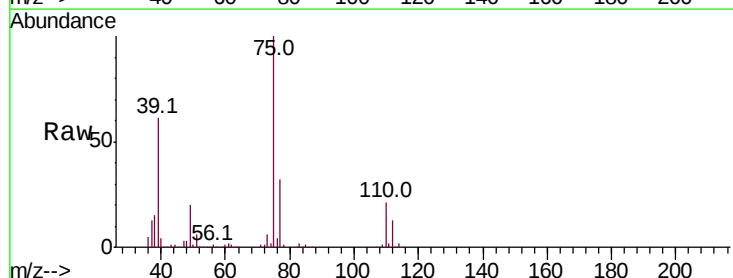
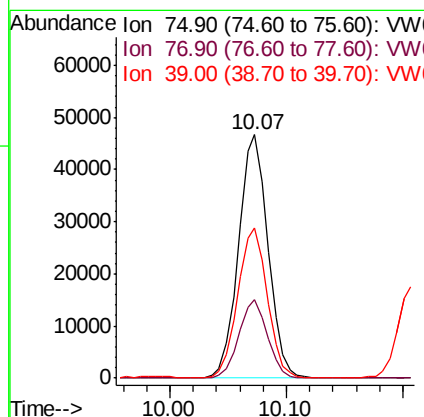
Delta R.T. -0.00 min

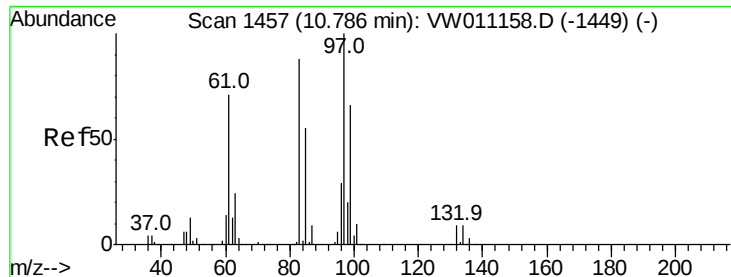
Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Tgt Ion: 75 Resp: 82344

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.7	38.5
39	61.3	49.8	74.8





#55

1,1,2-Trichloroethane

Concen: 21.293 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

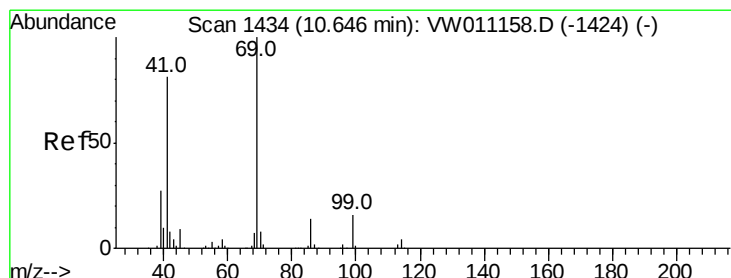
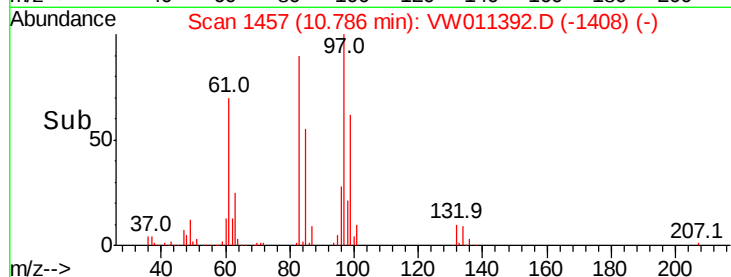
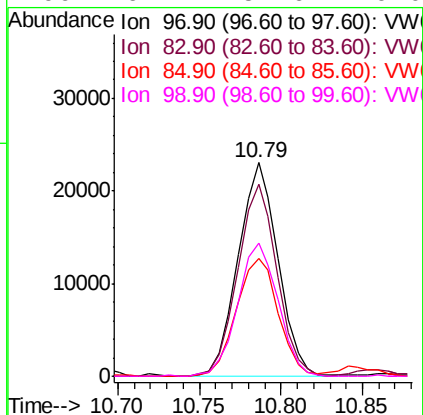
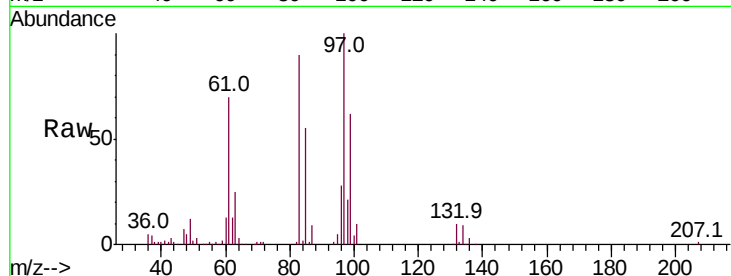
ClientSampleId :

VW0720SBS01

Tot Ion:	97	Resp:	39231
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.2	105.4
85	54.9	44.2	66.2
99	62.4	52.6	79.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.708 ug/l

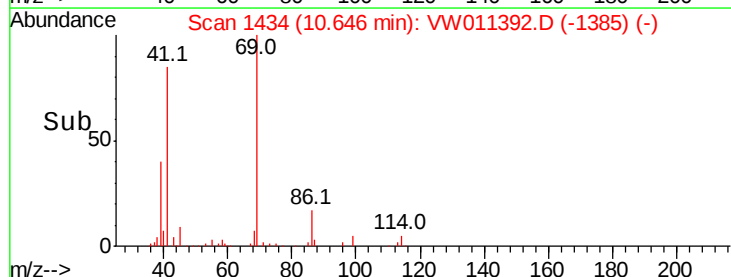
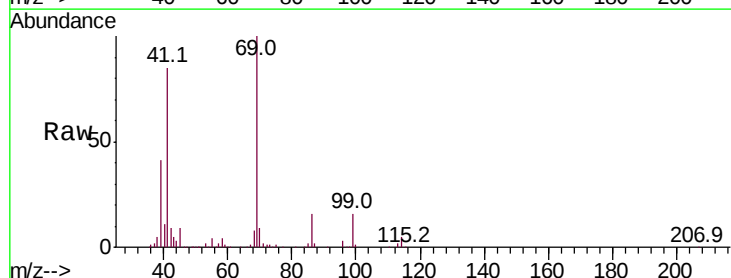
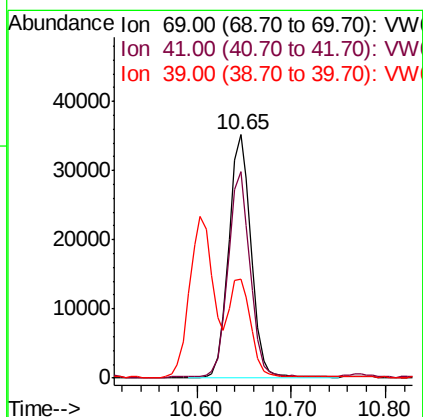
RT: 10.65 min Scan# 1434

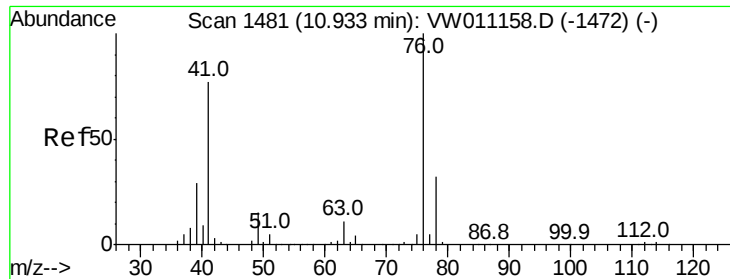
Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Tgt Ion:	69	Resp:	58088
Ion	Ratio	Lower	Upper
69	100		
41	82.1	66.5	99.7
39	38.4	32.5	48.7





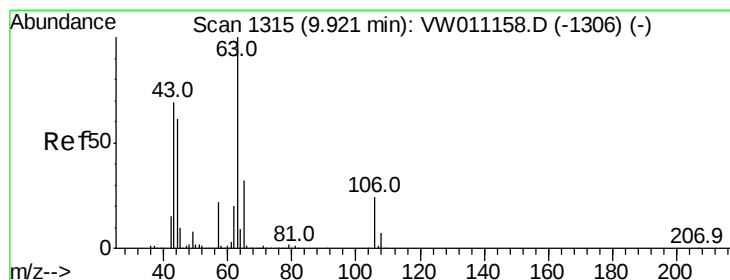
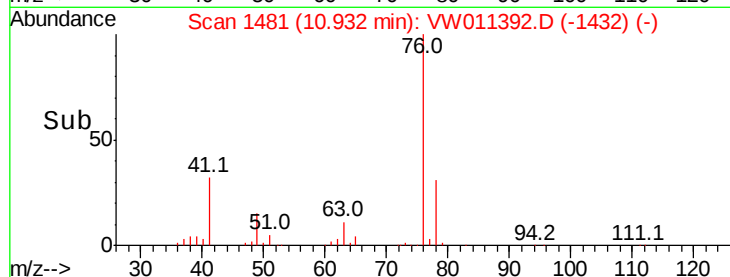
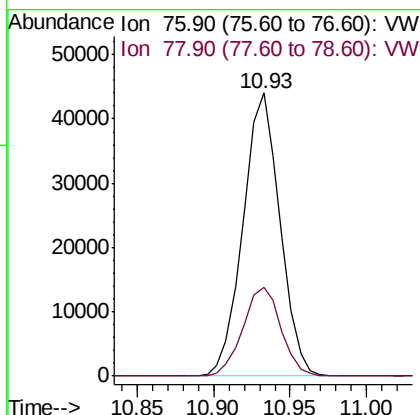
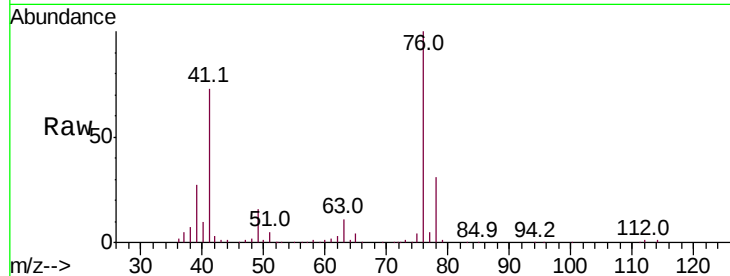
#57
 1,3-Dichloropropane
 Concen: 21.247 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Tot Ion: 76 Resp: 74025
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

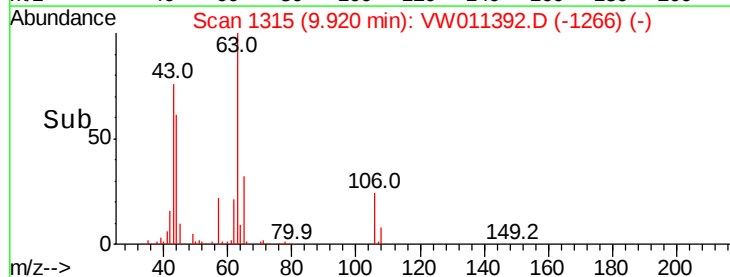
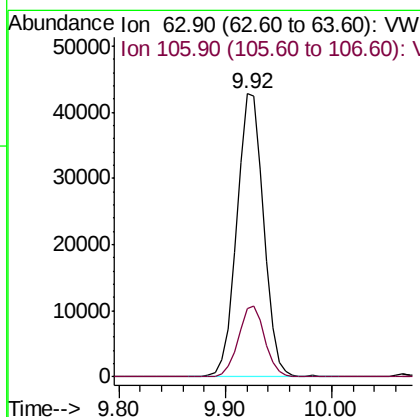
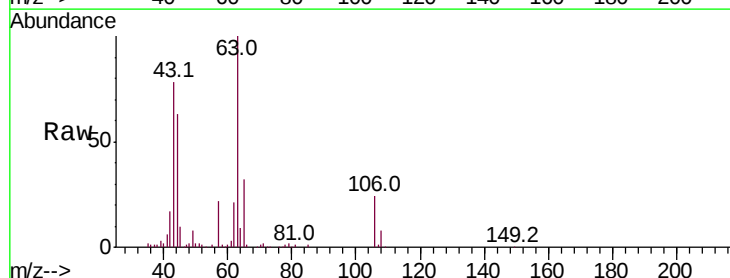
Manual Integrations
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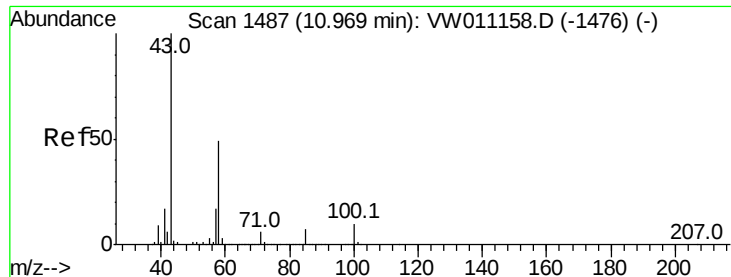
MMDadoda
 7/22/2019 9:21:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 58.398 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Tgt Ion: 63 Resp: 75943
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.4 29.0





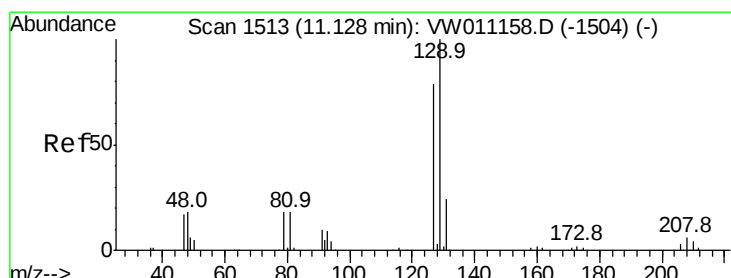
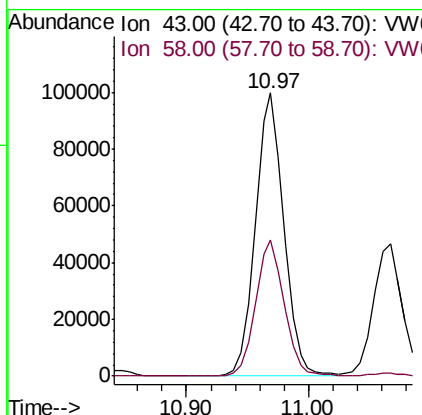
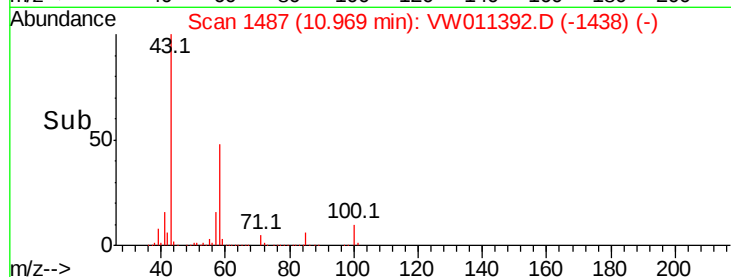
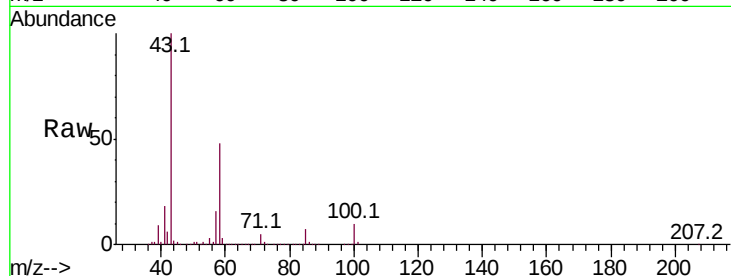
#59
2-Hexanone
Concen: 106.575 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion: 43 Resp: 161794
Ion Ratio Lower Upper
43 100
58 48.2 24.4 73.4

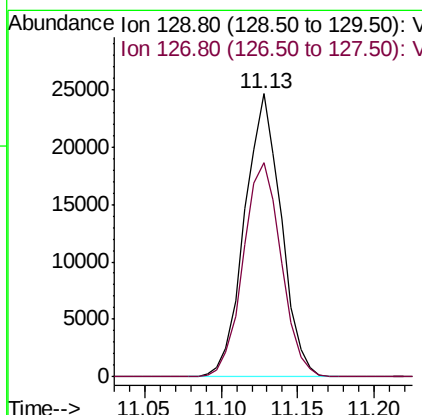
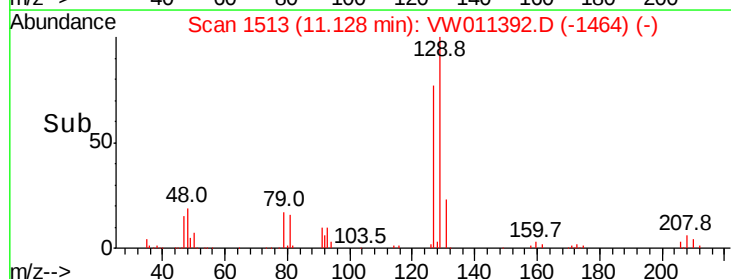
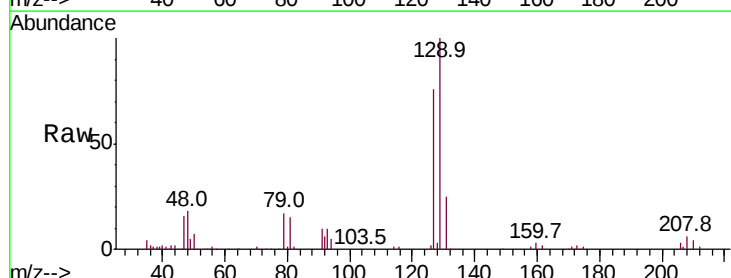
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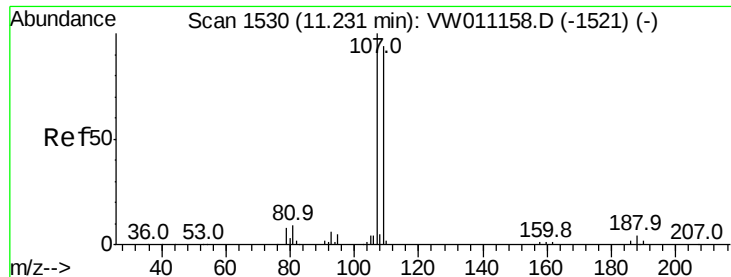
MMDadoda
7/22/2019 9:21:47 AM



#60
Dibromochloromethane
Concen: 20.204 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion: 129 Resp: 40819
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.3





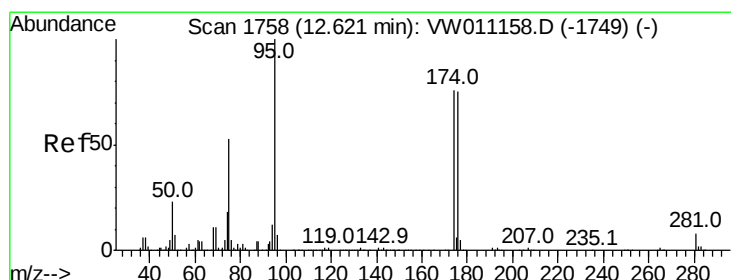
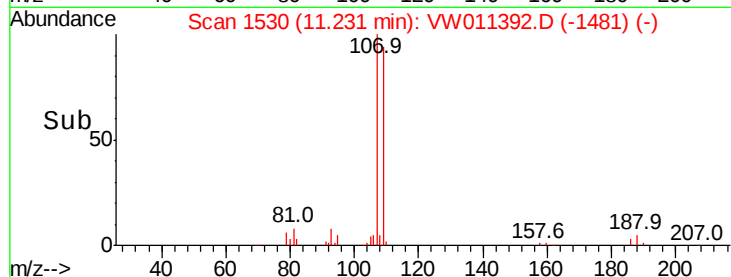
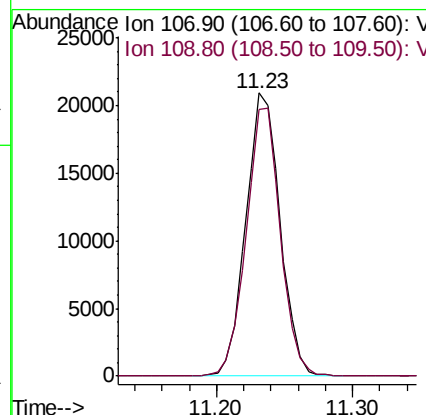
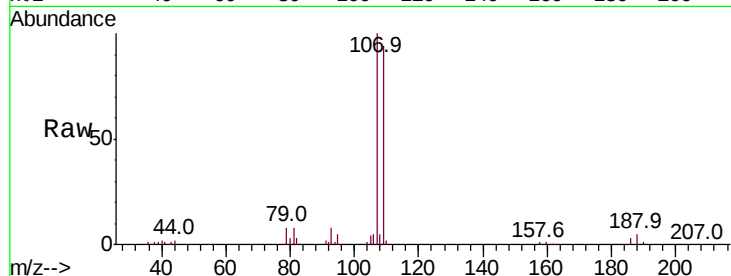
#61
 1,2-Dibromoethane
 Concen: 21.109 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.2	112.8

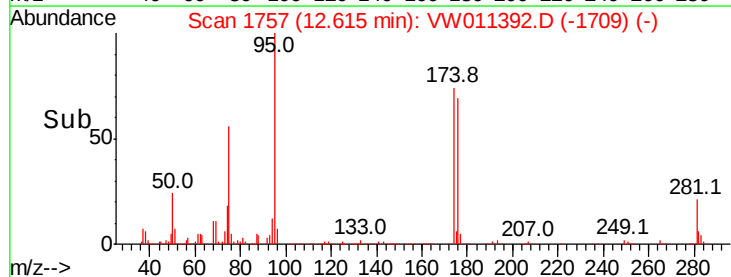
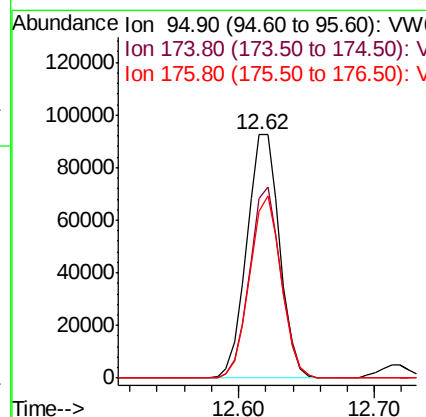
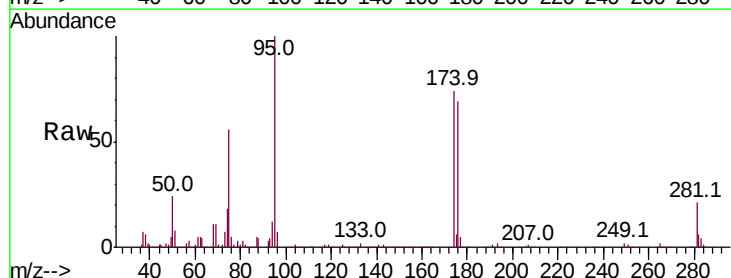
Manual Integrations
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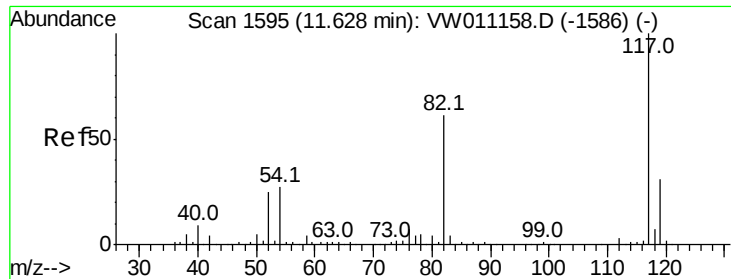
MMDadoda
 7/22/2019 9:21:47 AM



#62
 4-Bromofluorobenzene
 Concen: 50.995 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	147.6
176	72.2	0.0	144.6





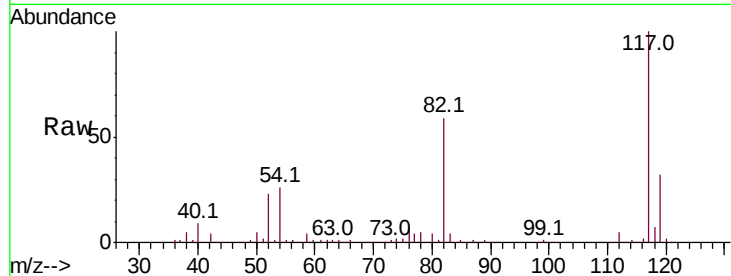
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	48.9	73.3
119	31.6	25.0	37.6

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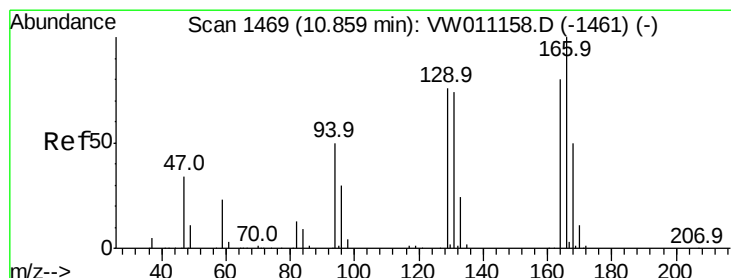
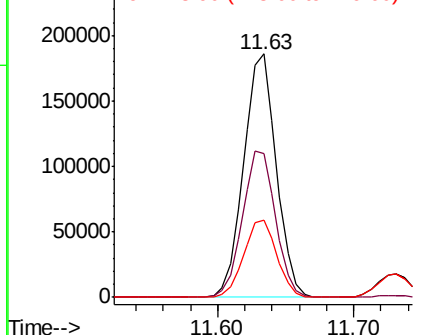
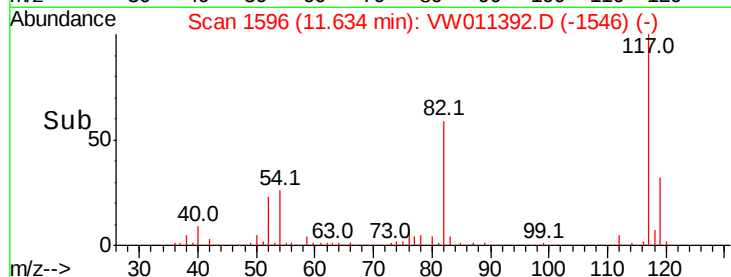


Abundance

Ion 116.90 (116.60 to 117.60): V

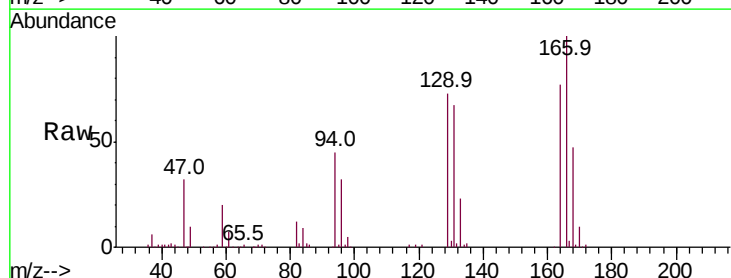
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.154 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	99.7	149.5
129	94.4	76.2	114.2
131	86.4	74.0	111.0



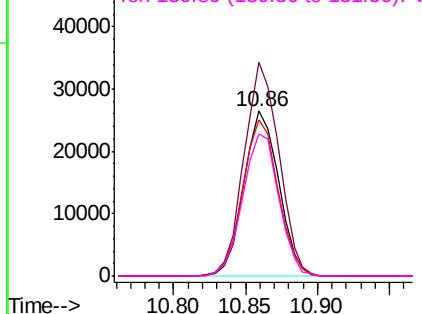
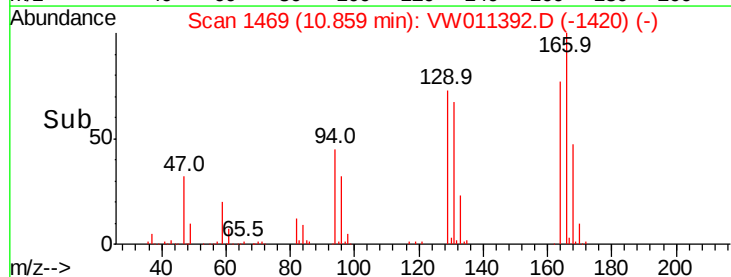
Abundance

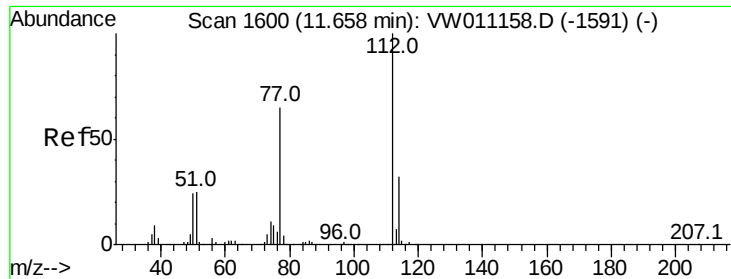
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





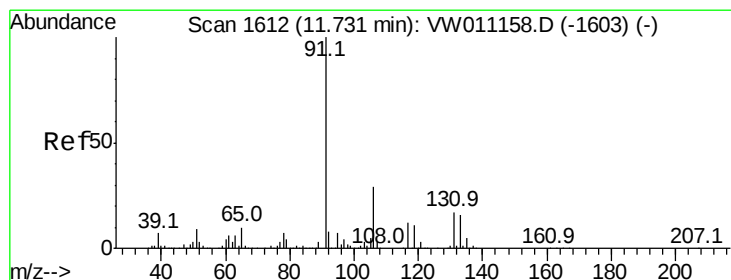
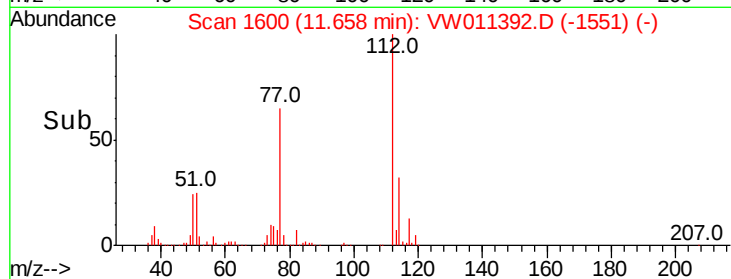
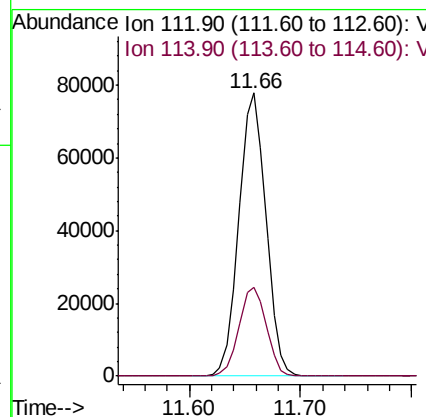
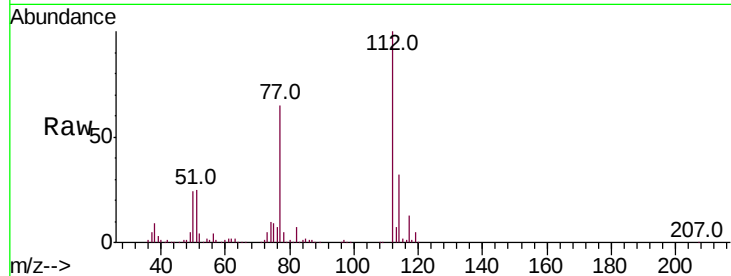
#65
Chlorobenzene
Concen: 20.629 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	130833		
114	31.5	25.5	38.3	

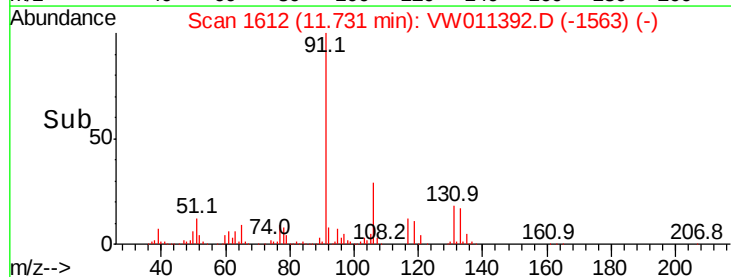
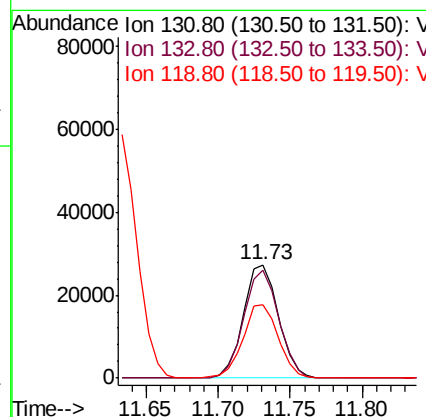
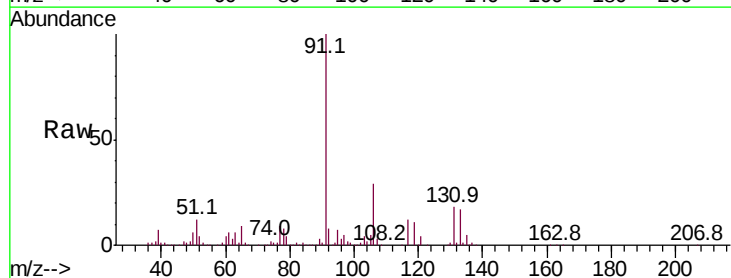
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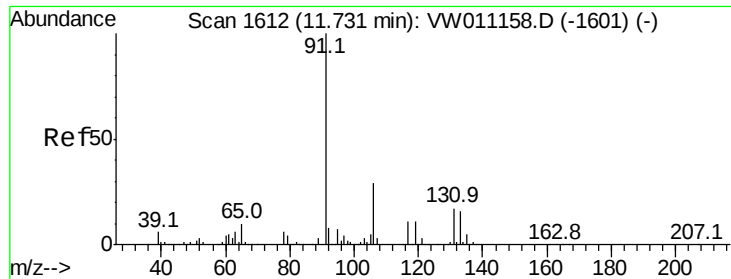
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.690 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	46202		
133	94.6	47.9	143.8	
119	65.1	33.1	99.2	





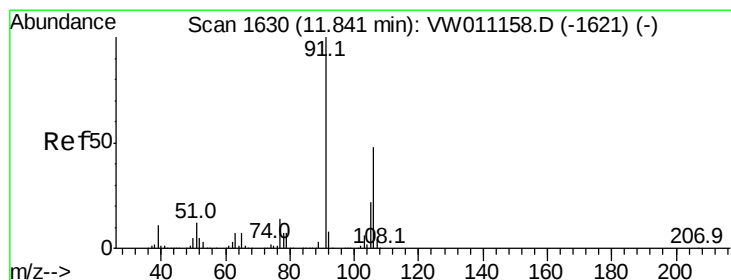
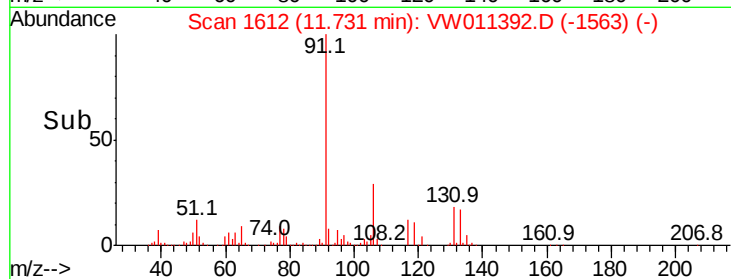
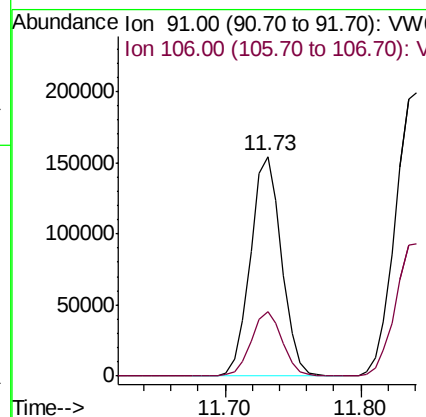
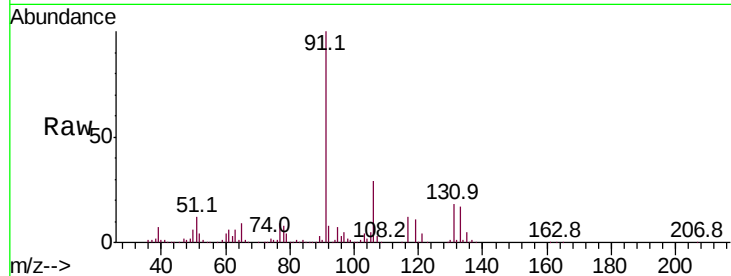
#67
Ethyl Benzene
Concen: 20.344 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.5	23.5	35.3	

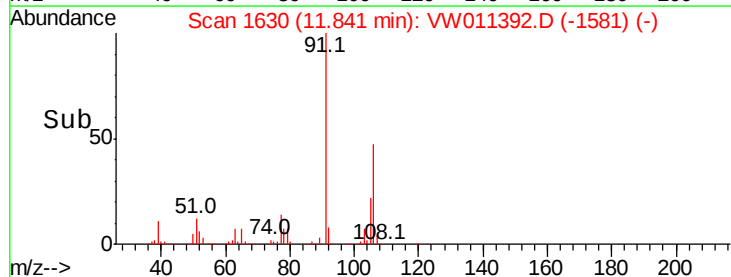
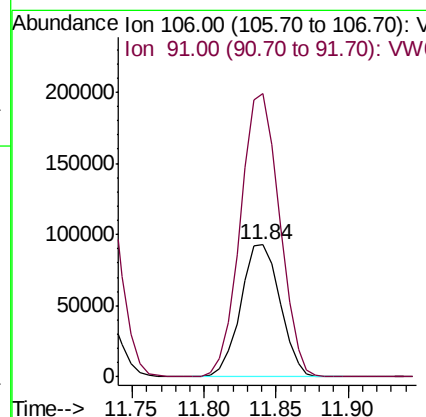
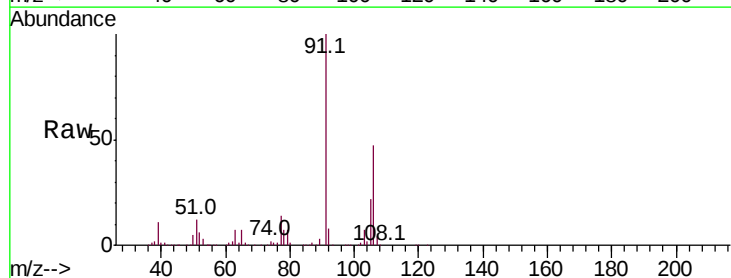
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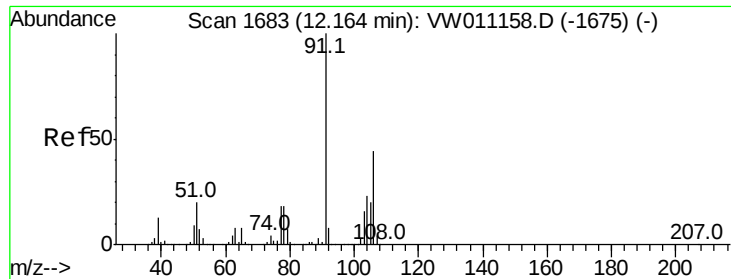
MMDadoda
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#68
m/p-Xylenes
Concen: 40.228 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.7	167.7	251.5	





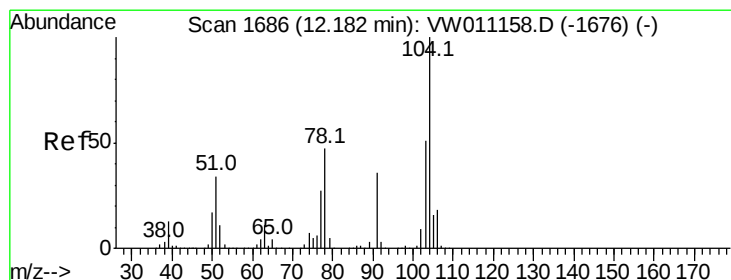
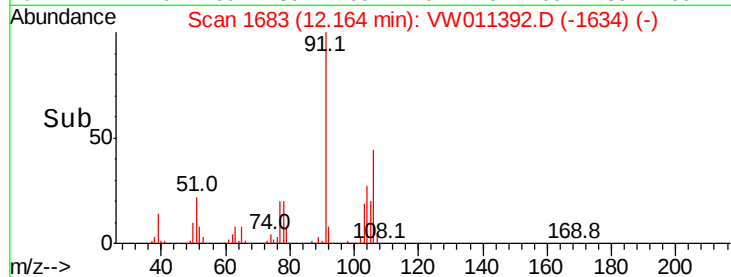
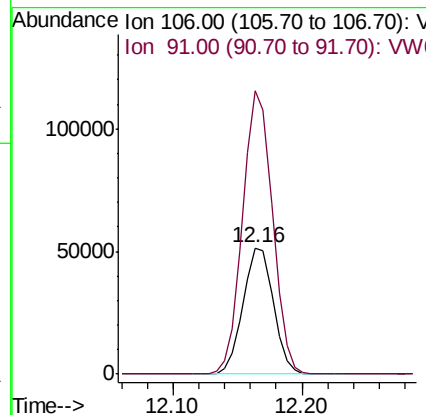
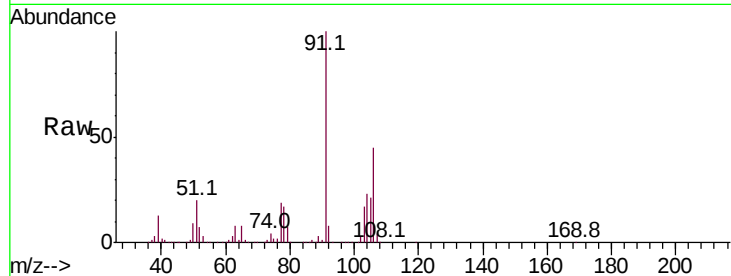
#69
o-Xylene
Concen: 20.231 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampled :
VW0720SBS01

Tot Ion:106 Resp: 83771
Ion Ratio Lower Upper
106 100
91 222.3 110.7 332.1

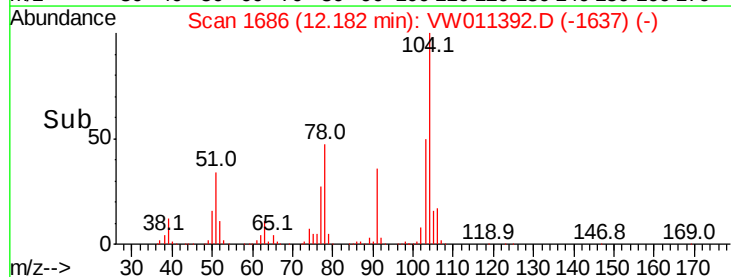
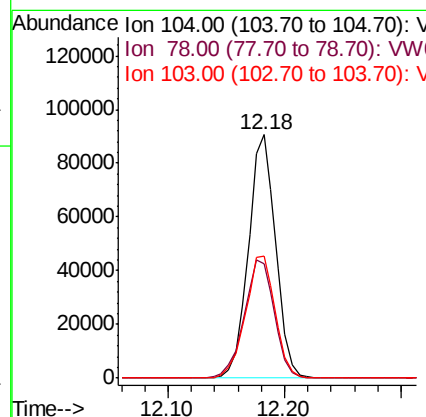
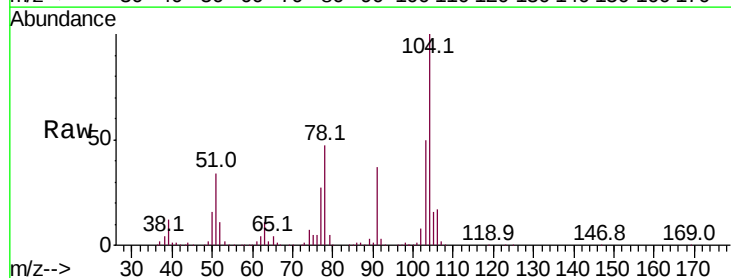
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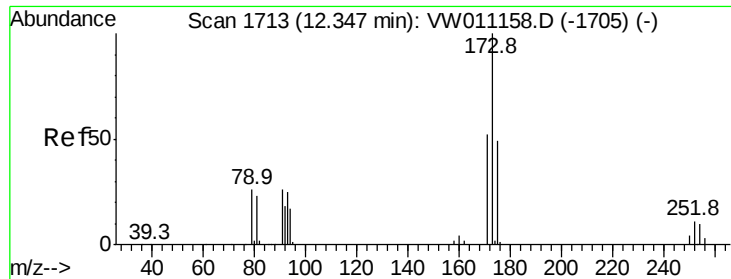
MMDadoda
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#70
Styrene
Concen: 20.647 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion:104 Resp: 147549
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 55.0 44.1 66.1





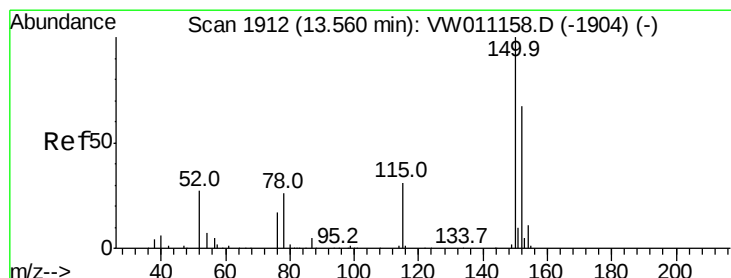
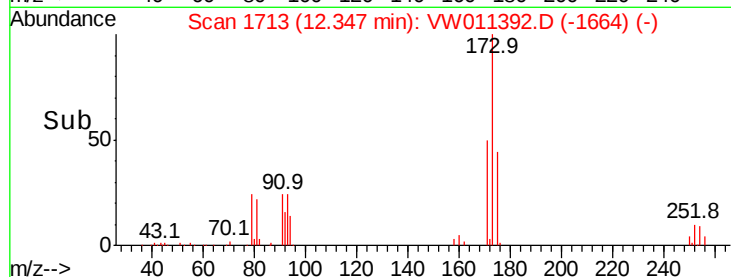
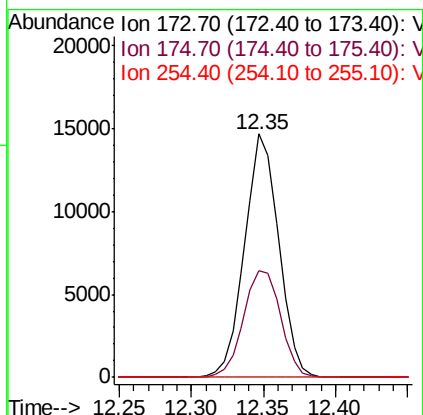
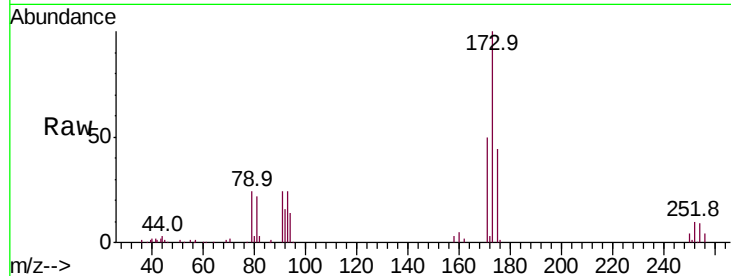
#71
Bromoform
Concen: 20.282 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.8	74.3
254	0.0	0.0	0.0

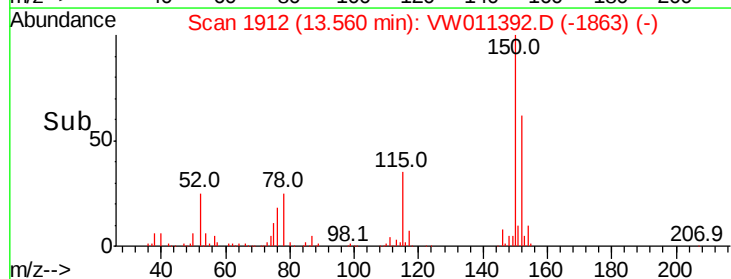
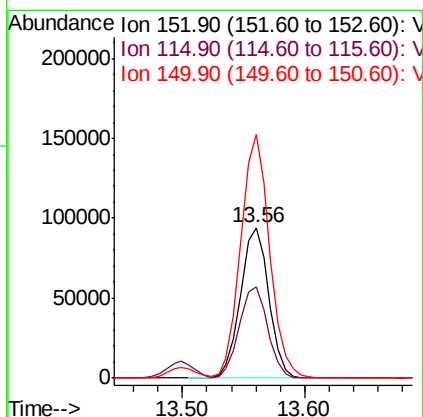
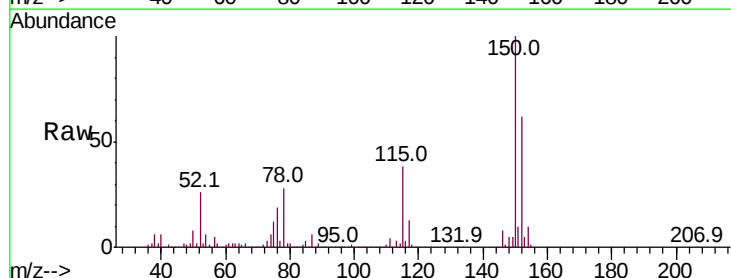
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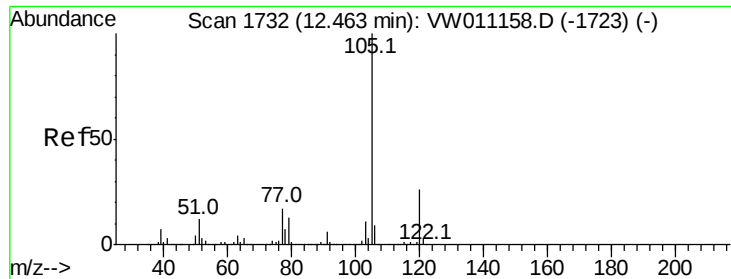
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	165.1	0.0	346.0





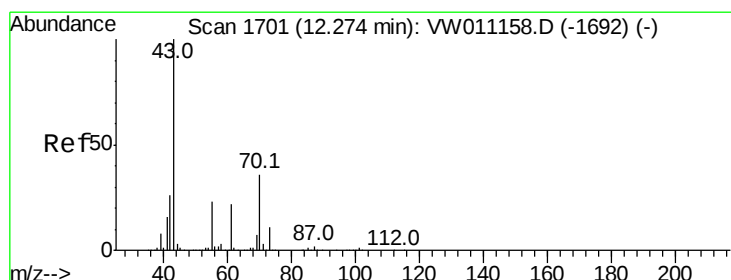
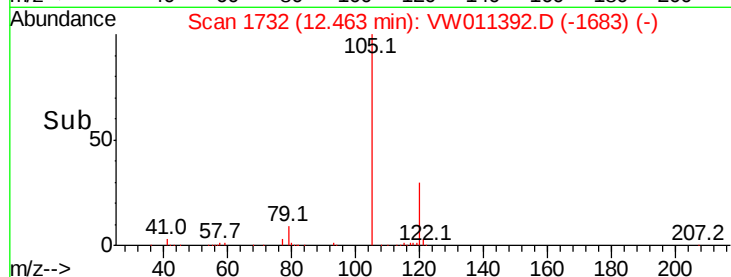
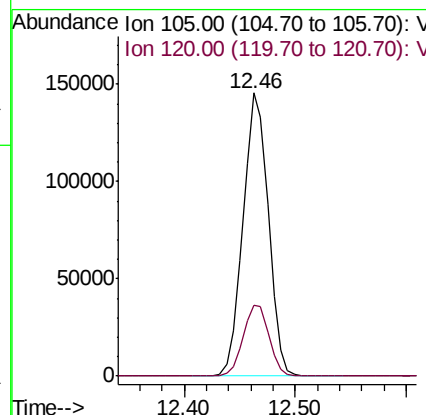
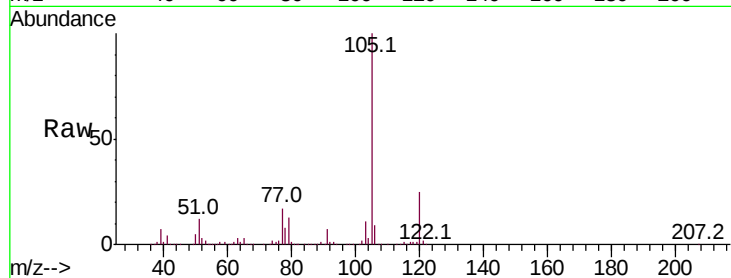
#73
Isopropylbenzene
Concen: 20.337 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.3

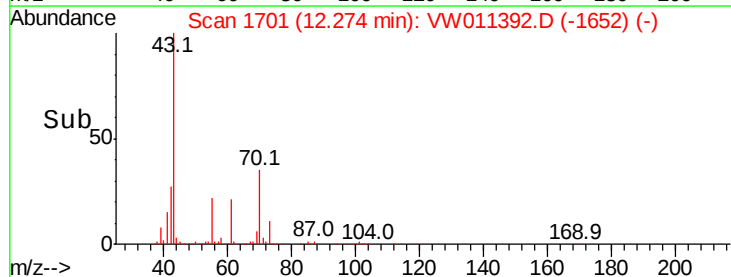
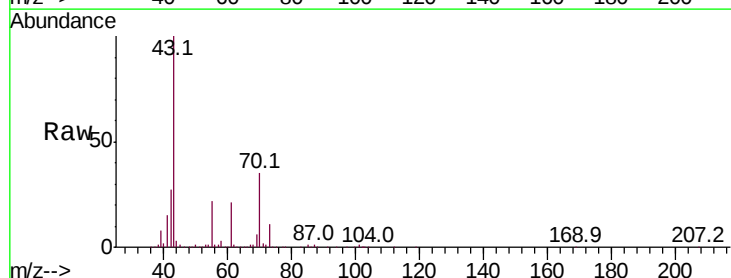
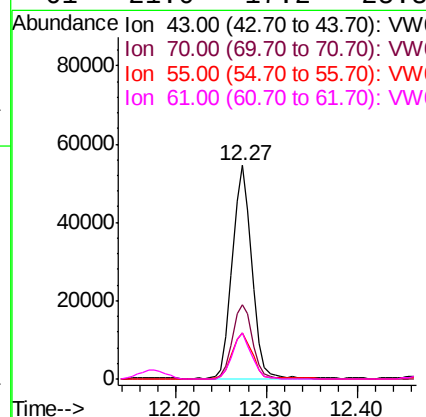
Manual Integrations
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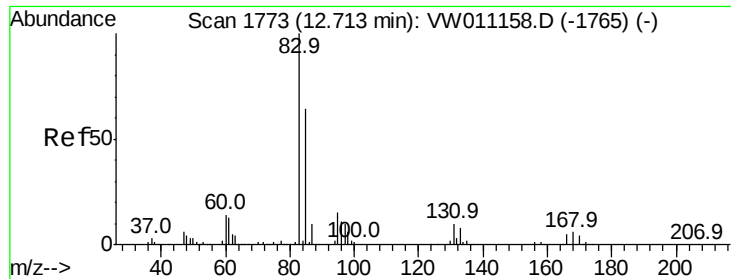
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#74
N-ethyl acetate
Concen: 20.843 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.5	28.5	42.7
55	23.4	18.1	27.1
61	21.0	17.2	25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.283 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

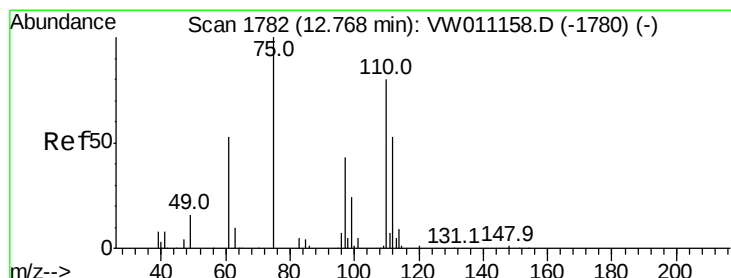
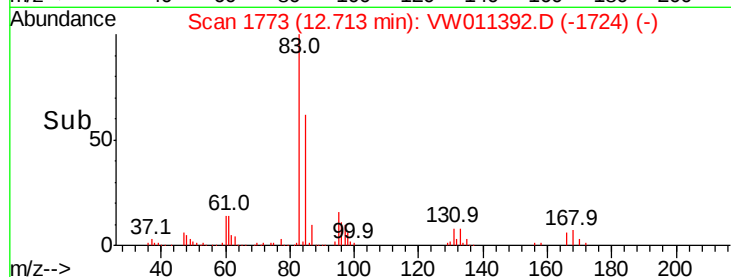
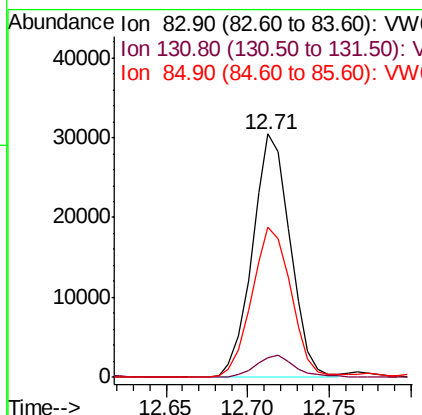
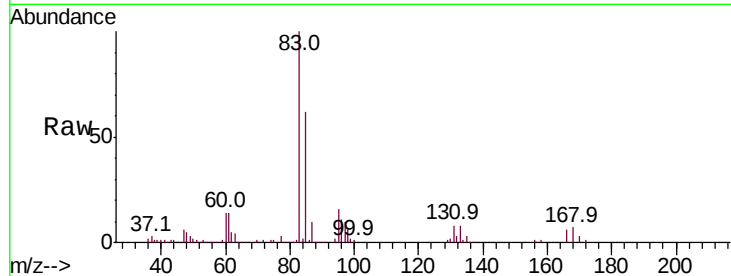
ClientSampleId :

VW0720SBS01

Tot Ion:	83	Resp:	49108
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	15.0
85	64.1	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.803 ug/l m

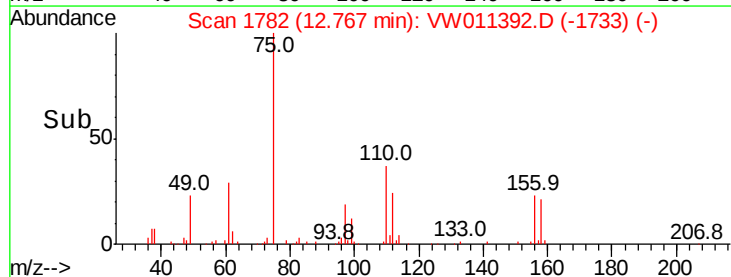
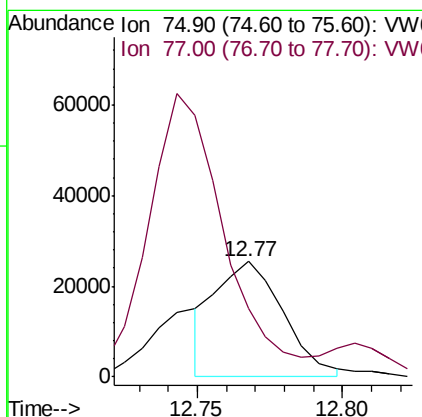
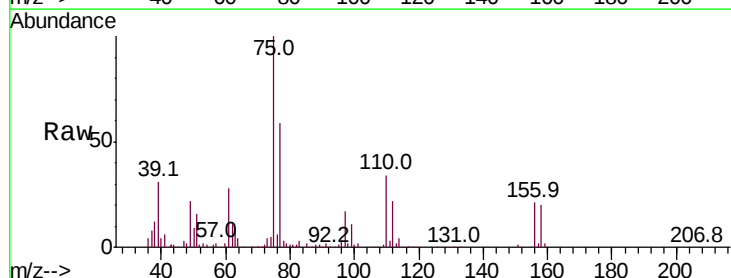
RT: 12.77 min Scan# 1782

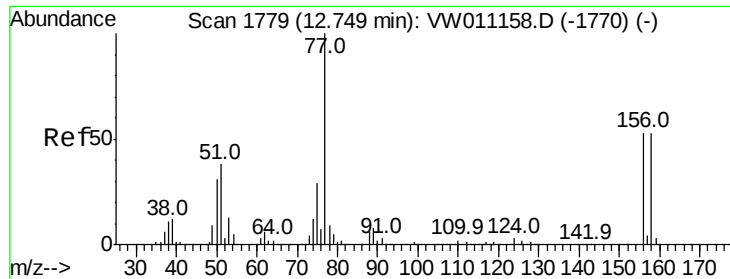
Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Tgt Ion:	75	Resp:	41420
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.752 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

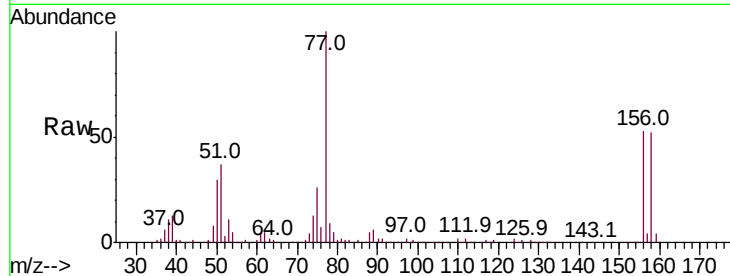
ClientSampleId :

VW0720SBS01

Tot Ion:	156	Resp:	52420
Ion	Ratio	Lower	Upper
156	100		
77	216.2	109.0	327.0
158	96.3	48.8	146.3

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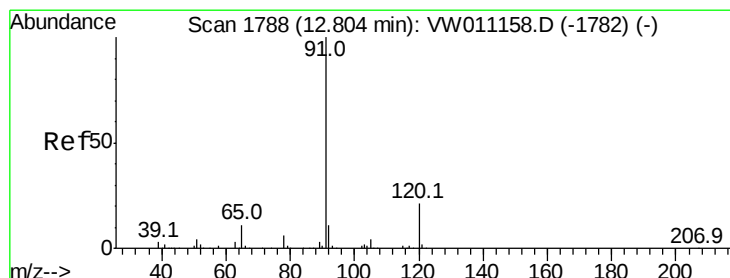
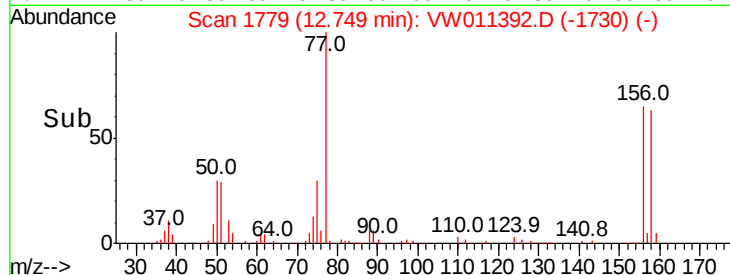
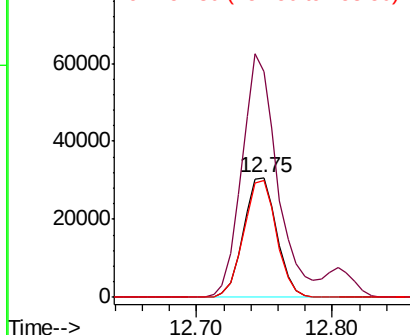


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.262 ug/l

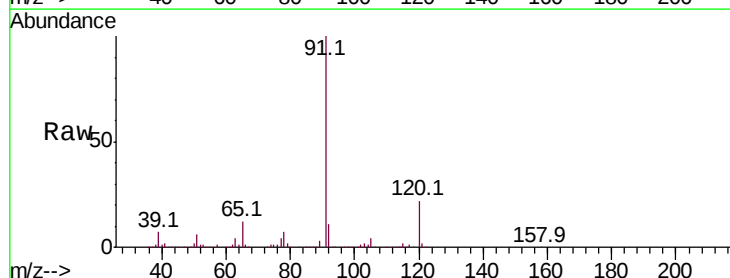
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

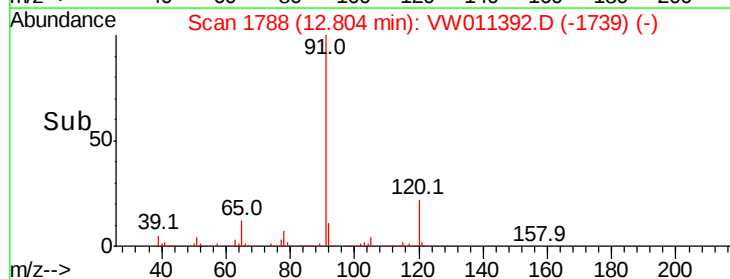
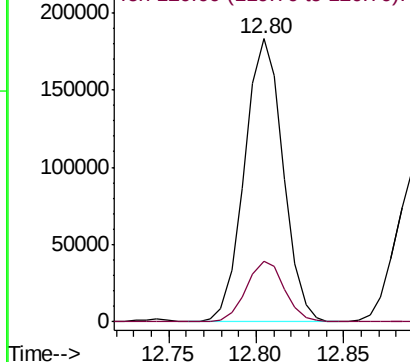
Tgt Ion:	91	Resp:	280948
Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3

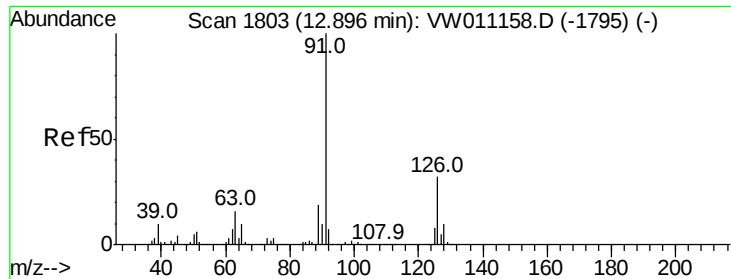


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.537 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion: 91 Resp: 163867

Ion Ratio Lower Upper

91 100

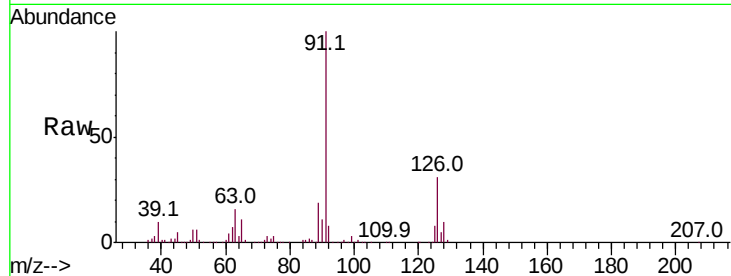
126 31.5 15.8 47.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

200000

150000

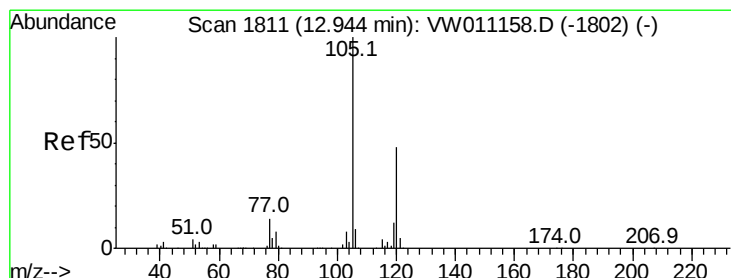
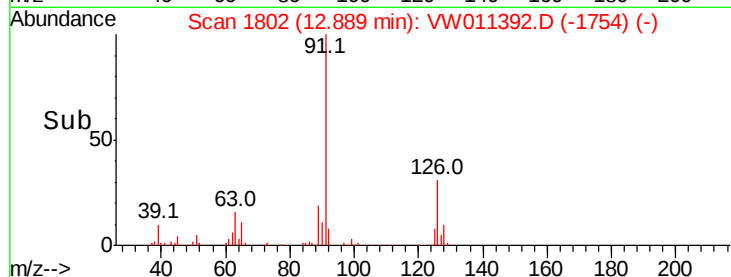
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.390 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011392.D

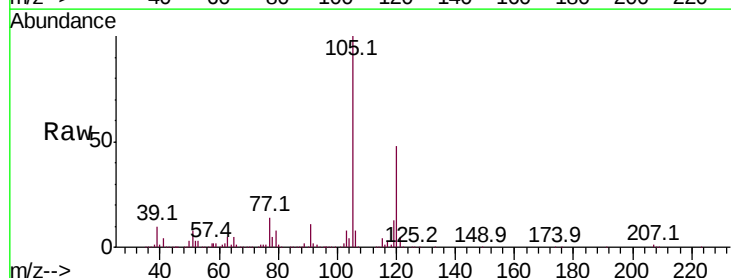
Acq: 19 Jul 2019 23:58

Tgt Ion:105 Resp: 194984

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

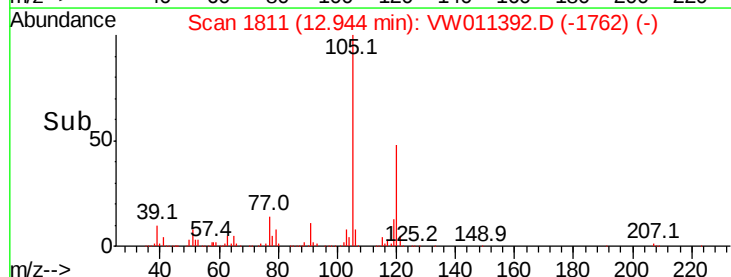
100000

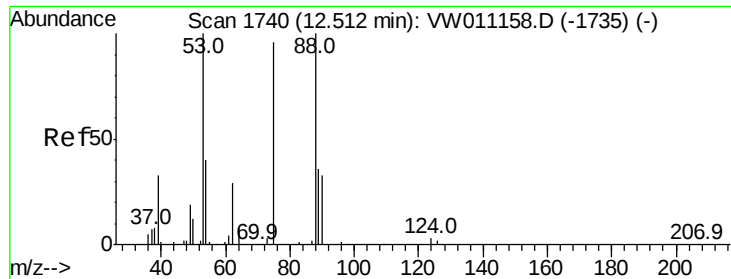
50000

0

12.85 12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.996 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

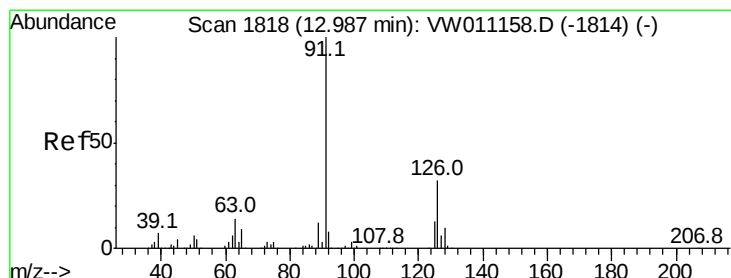
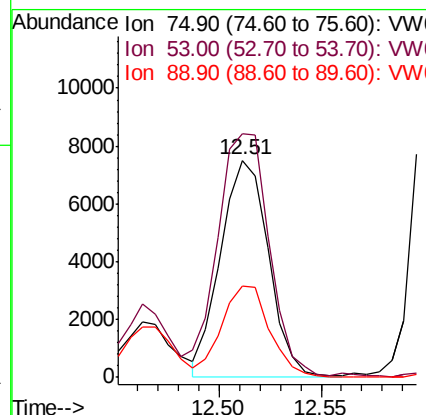
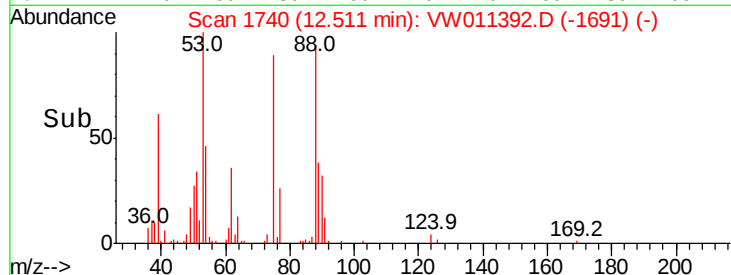
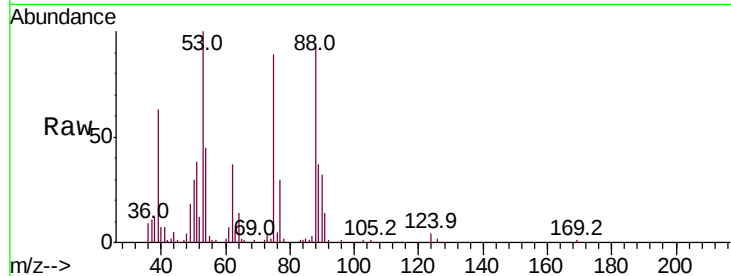
ClientSampled :

VW0720SBS01

Tot Ion:	75	Resp:	12306
Ion	Ratio	Lower	Upper
75	100		
53	120.1	89.8	134.6
89	42.1	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.807 ug/l

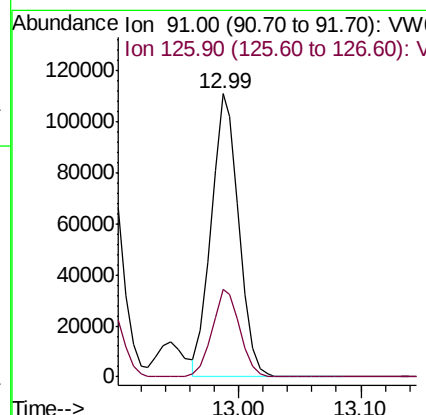
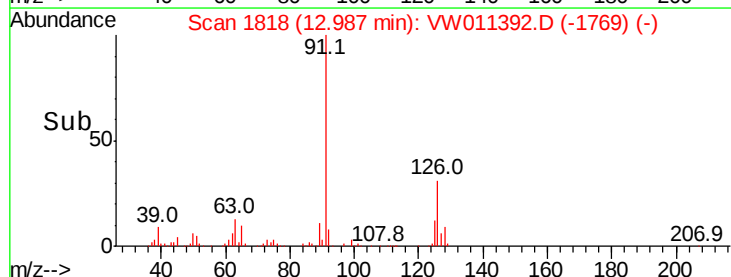
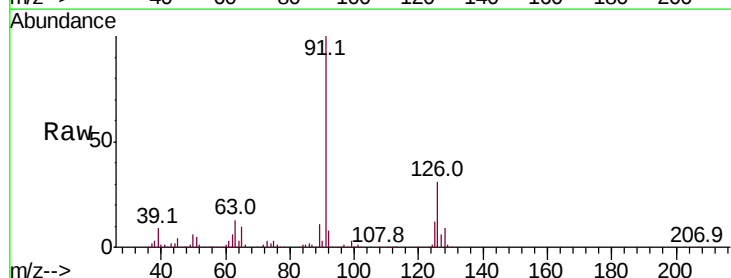
RT: 12.99 min Scan# 1818

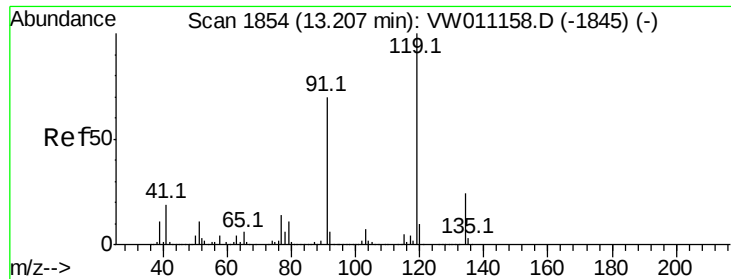
Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Tgt Ion:	91	Resp:	172921
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1





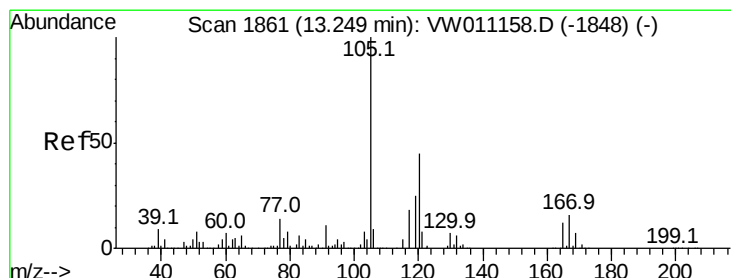
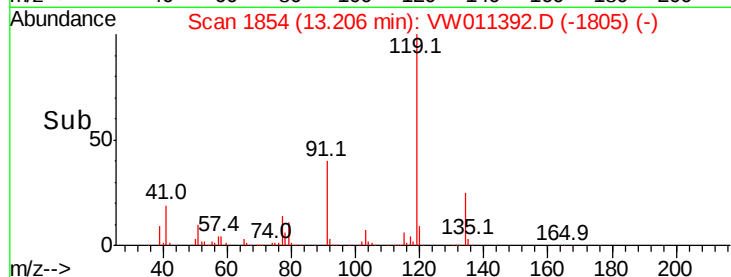
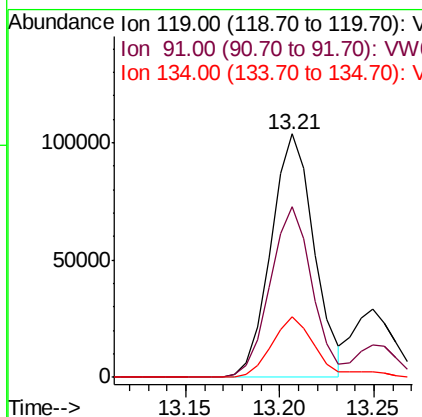
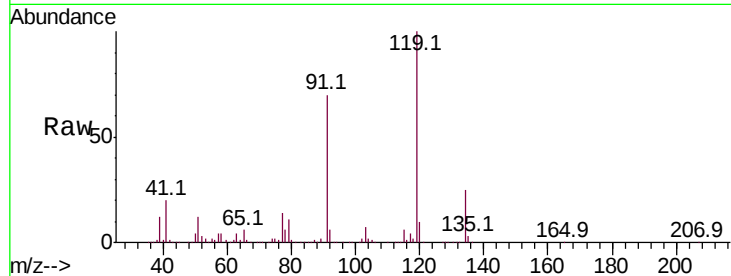
#83
tert-Butylbenzene
Concen: 20.632 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	164541		
91	68.1	35.4	106.3	
134	26.1	13.4	40.2	

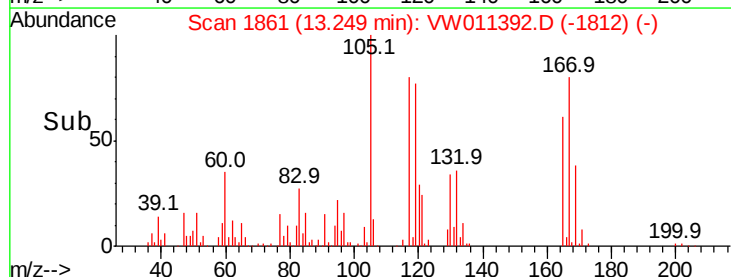
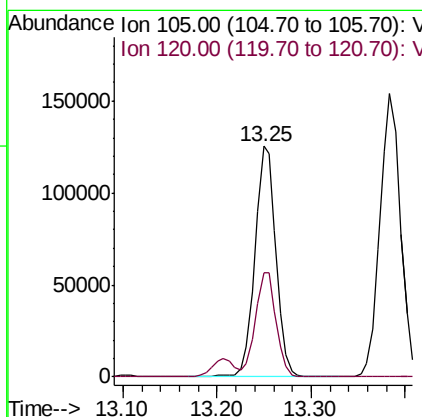
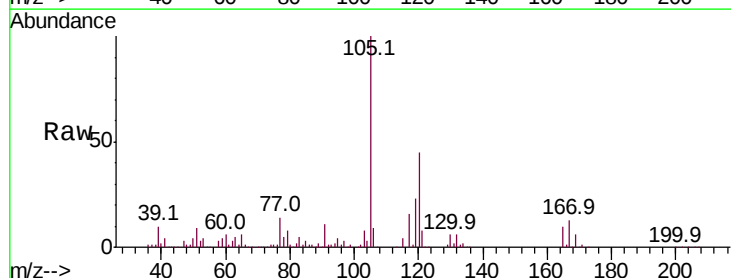
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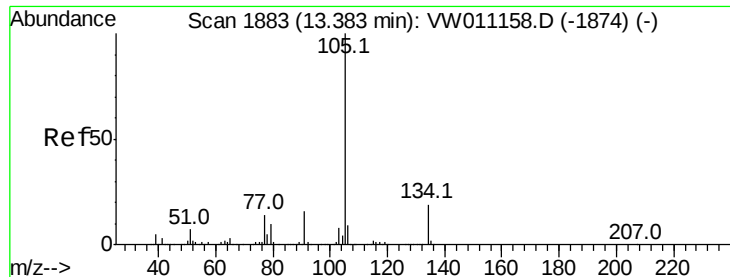
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.529 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	197119		
120	44.5	22.3	66.9	





#85

sec-Butylbenzene

Concen: 20.293 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0720SBS01

Tot Ion:105 Resp: 233528

Ion Ratio Lower Upper

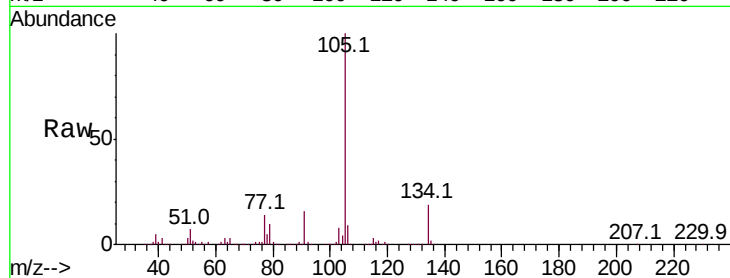
105 100

134 18.8 9.7 28.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

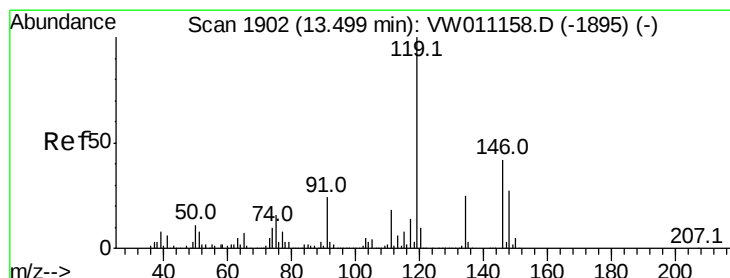
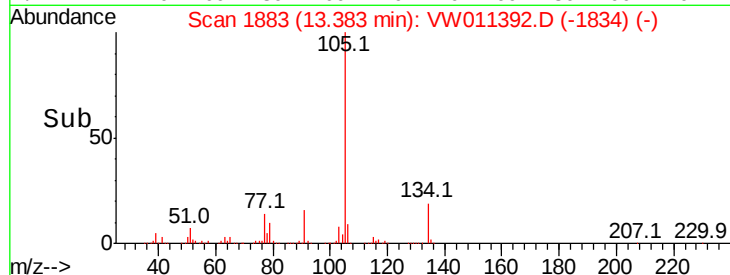
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.043 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

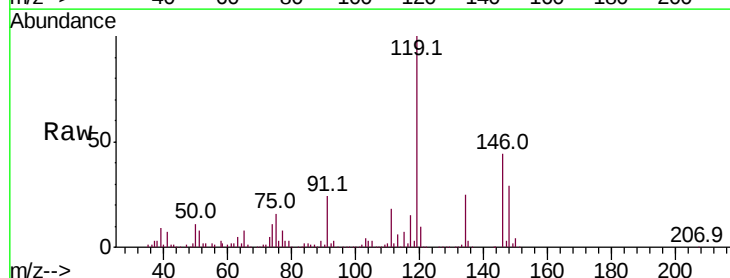
Tgt Ion:119 Resp: 206876

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 24.7 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

13.50

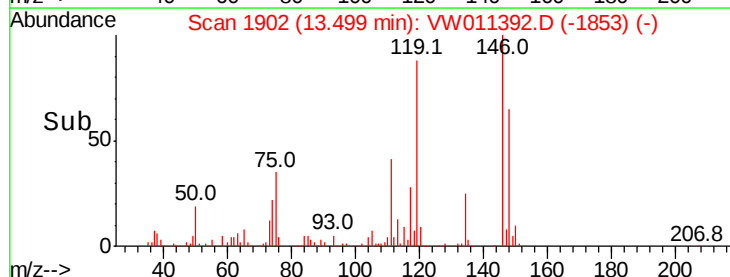
150000

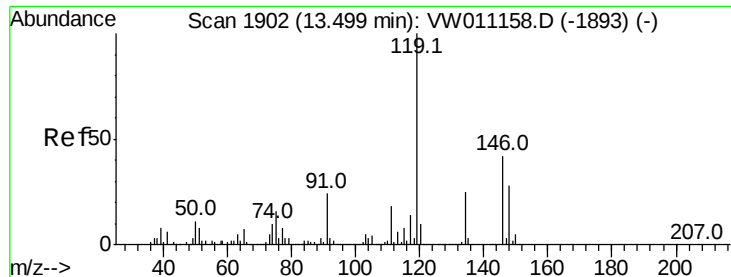
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.840 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011392.D

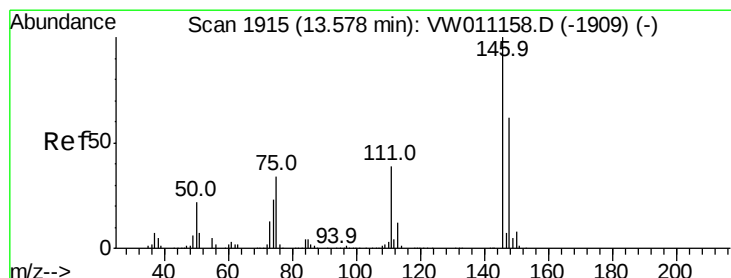
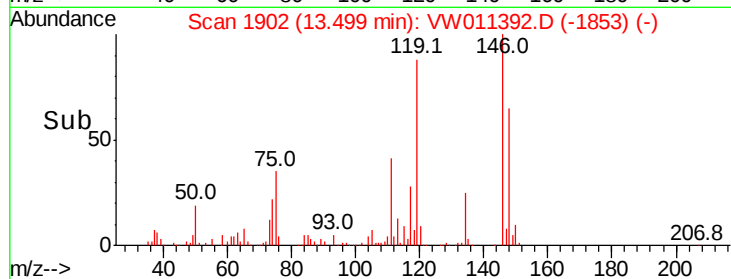
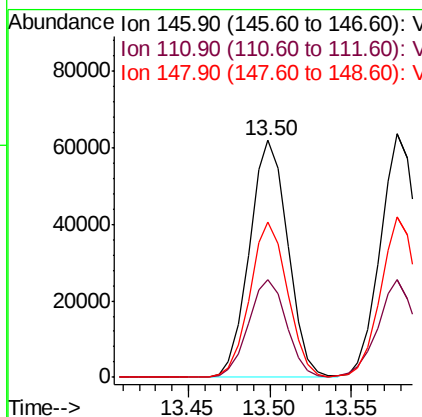
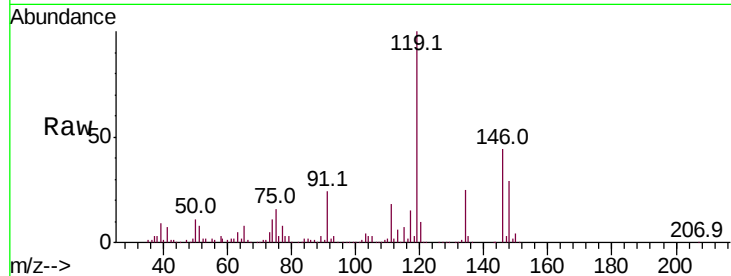
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.0	21.1	63.1	
148	64.3	32.6	97.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.817 ug/l

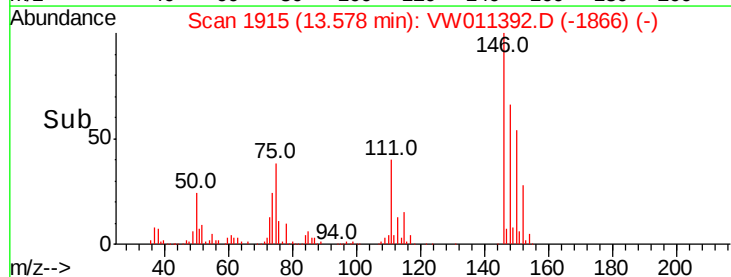
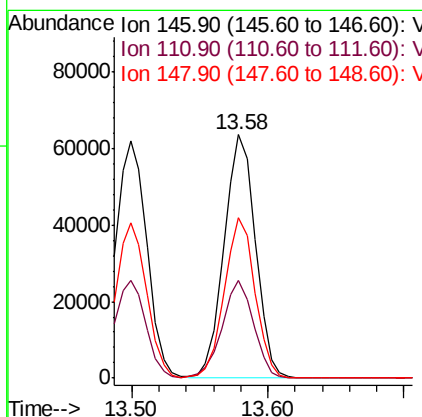
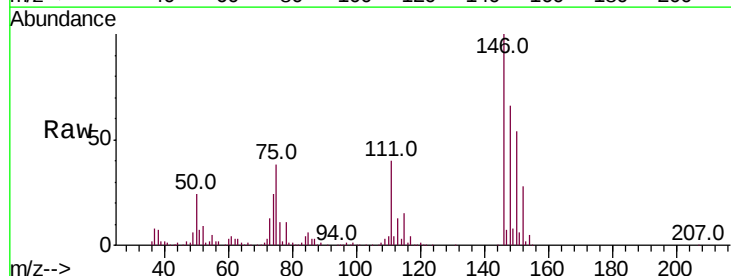
RT: 13.58 min Scan# 1915

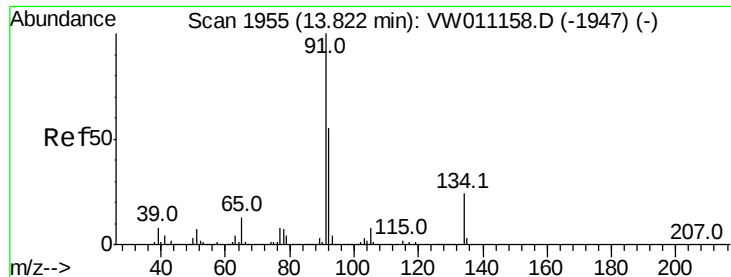
Delta R.T. -0.00 min

Lab File: VW011392.D

Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.5	19.9	59.7	
148	64.6	31.5	94.5	





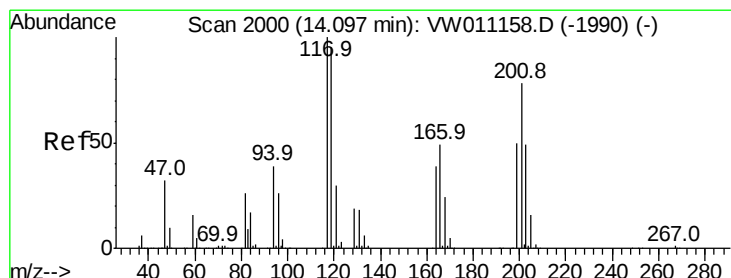
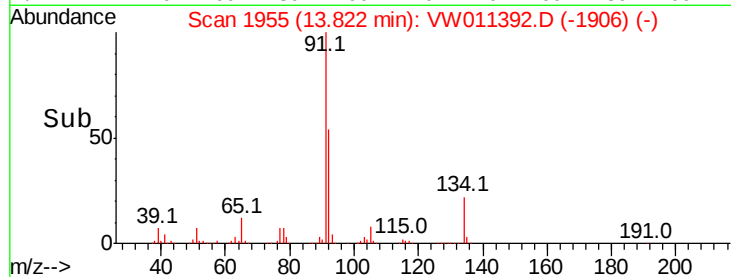
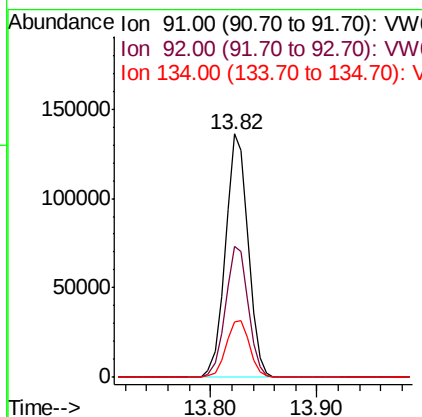
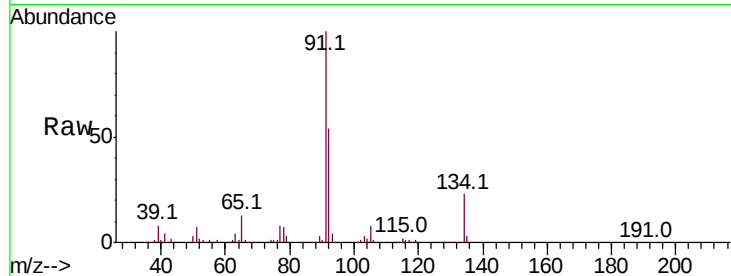
#89
n-Butylbenzene
Concen: 19.670 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	26.9	80.7	
134	24.2	12.2	36.4	

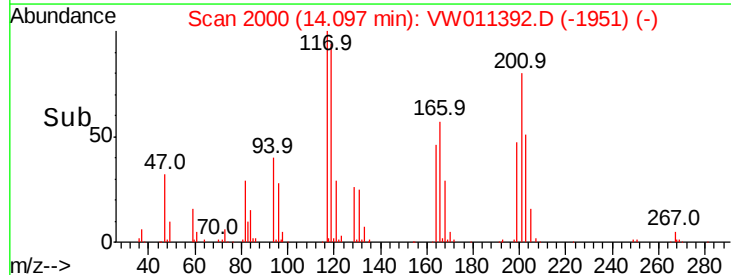
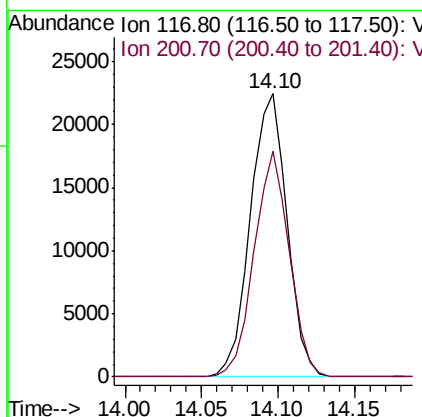
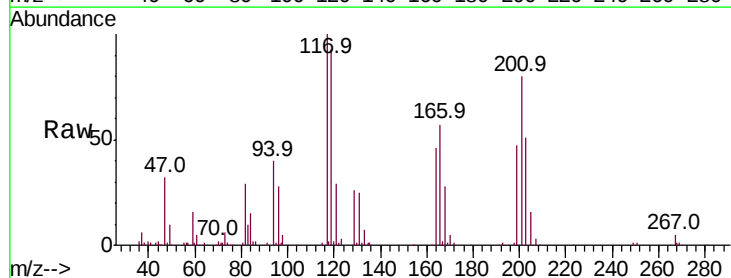
Manual Integrations
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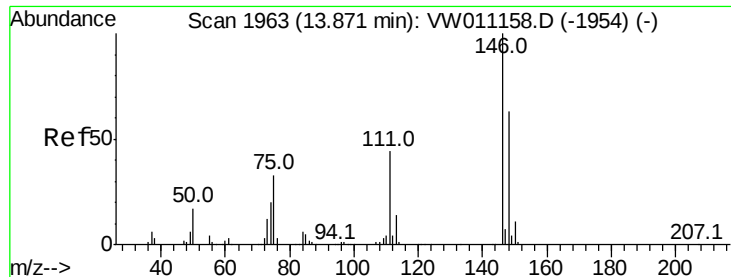
MMDadoda
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#90
Hexachloroethane
Concen: 19.861 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.3	38.3	114.8	





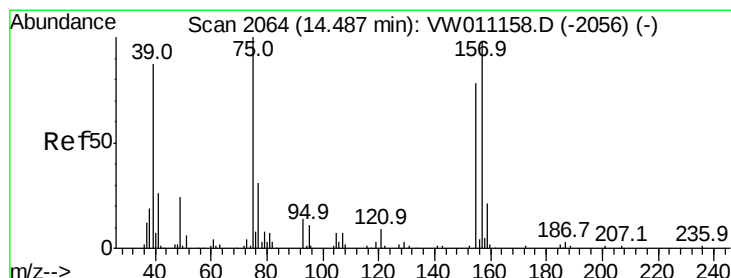
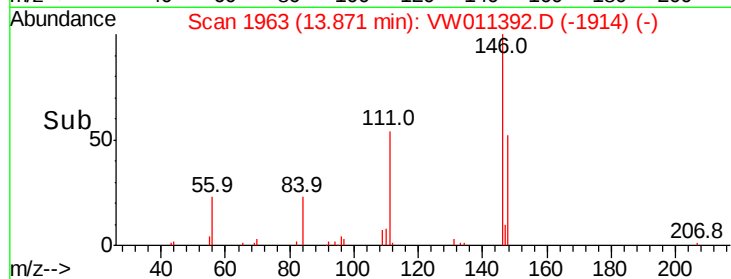
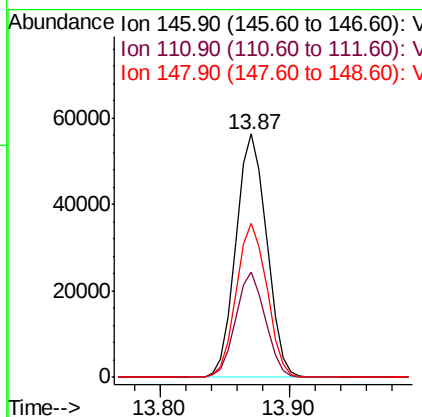
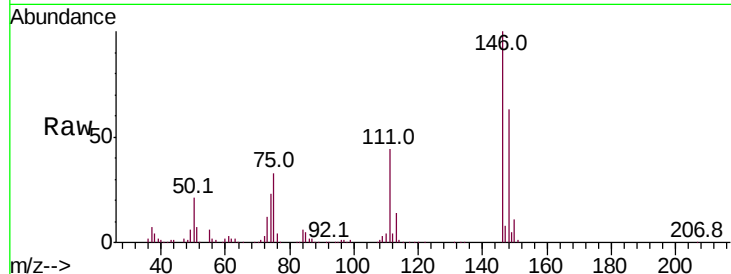
#91
 1,2-Dichlorobenzene
 Concen: 21.161 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.6	65.0
148	63.1	31.9	95.5

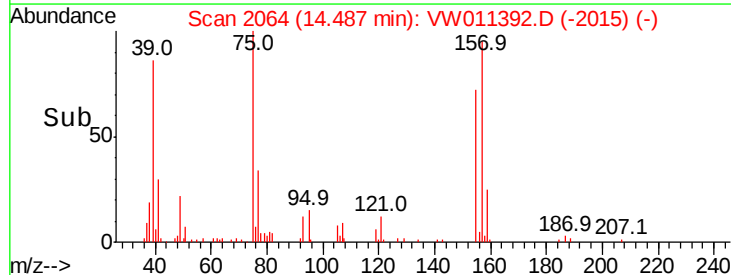
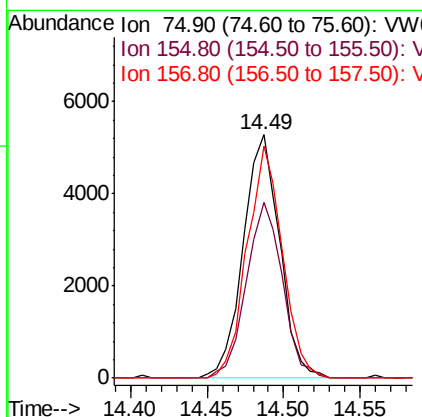
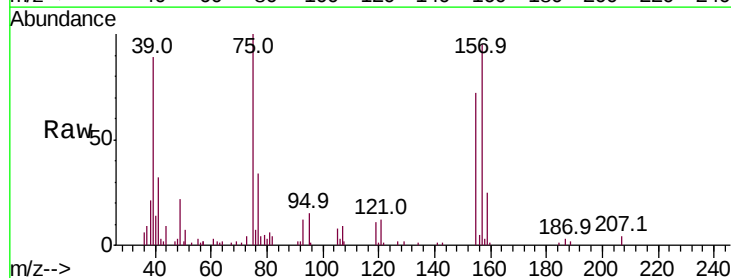
Manual Integrations
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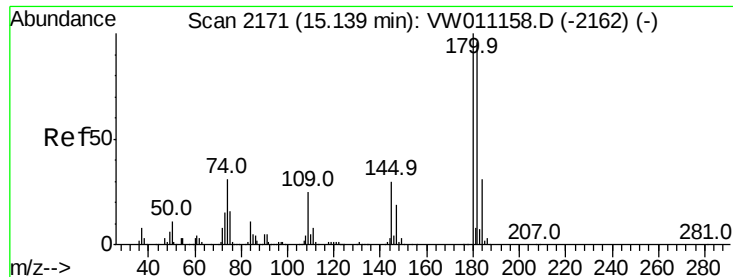
MMDadoda
 7/22/2019 9:21:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.370 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011392.D
 Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	37.1	111.3
157	92.6	48.5	145.6





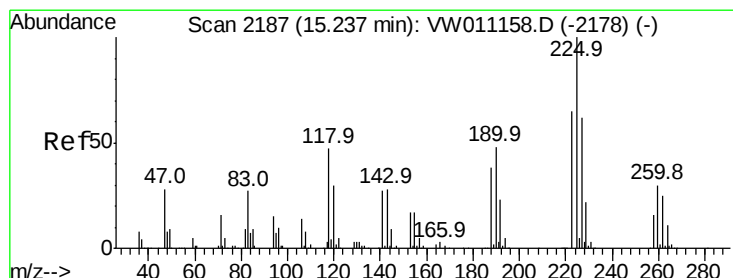
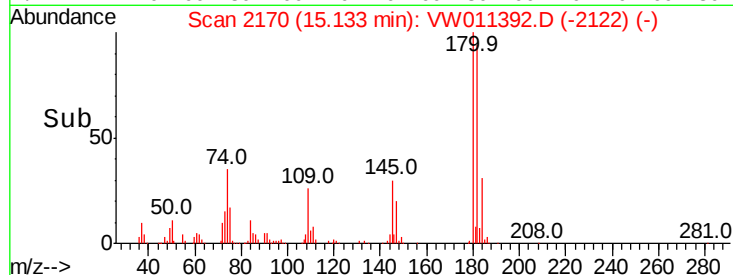
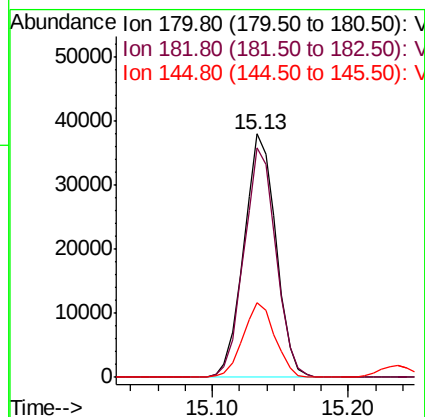
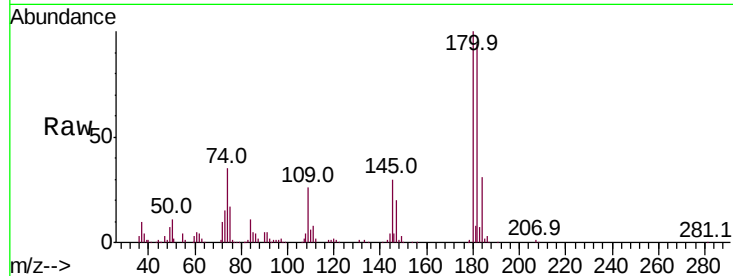
#93
1,2,4-Trichlorobenzene
Concen: 20.605 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	48.3	144.9	
145	30.4	15.5	46.5	

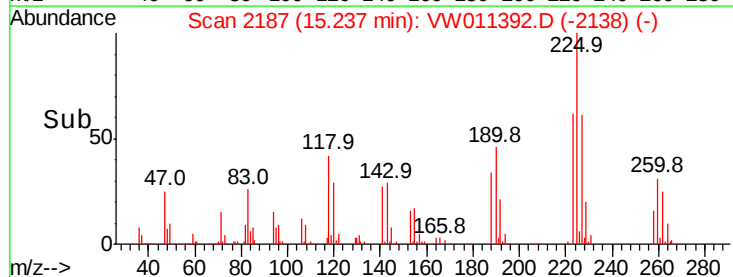
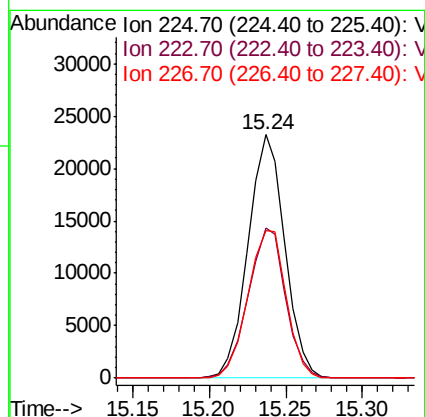
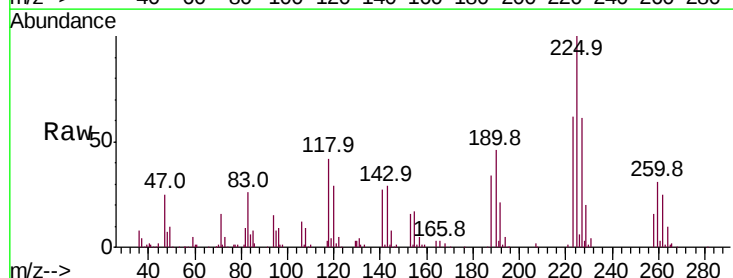
Manual Integrations
APPROVED

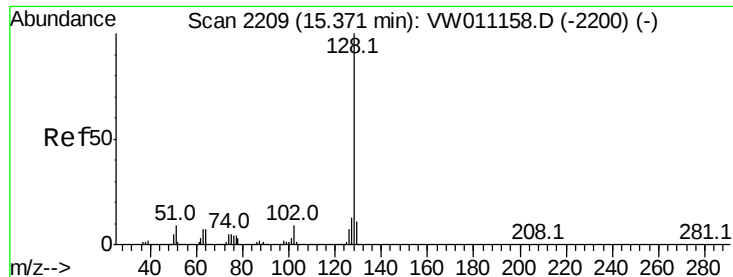
MMDadoda
7/22/2019 9:21:47 AM



#94
Hexachlorobutadiene
Concen: 20.786 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.6	95.0	
227	63.4	32.0	96.0	





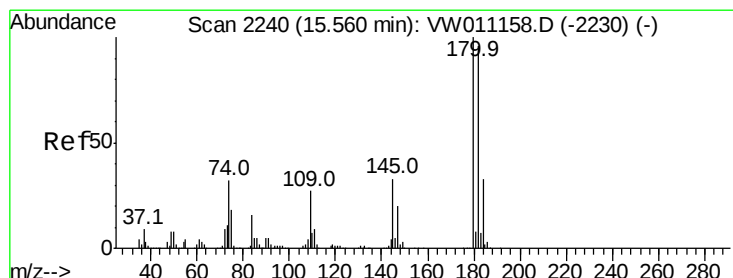
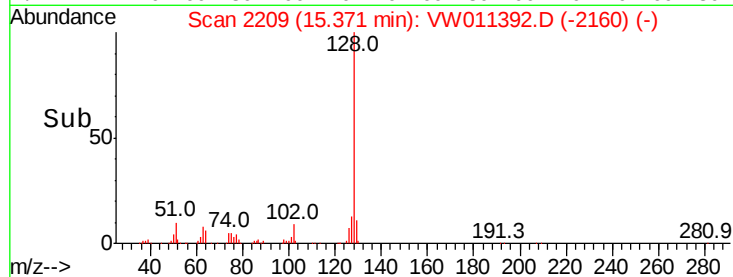
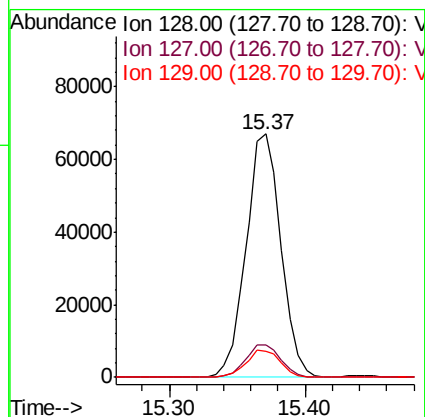
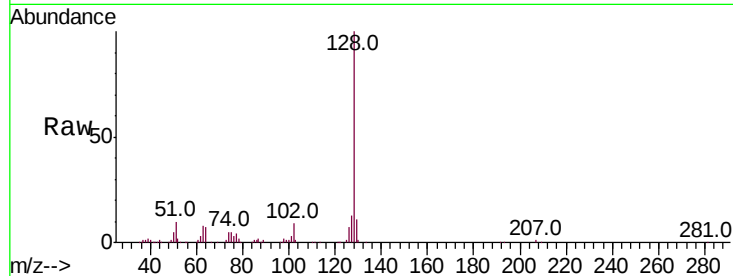
#95
Naphthalene
Concen: 20.648 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0720SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	120163		
127	13.6		10.6	16.0
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/22/2019 9:21:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.003 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011392.D
Acq: 19 Jul 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56294		
182	94.6		47.6	142.8
145	32.6		16.5	49.5

