

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011333.D
 Acq On : 18 Jul 2019 14:55
 Operator : SY/VA
 Sample : VW0718SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:53:58 AM

Quant Time: Jul 19 07:02:05 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	190791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	319748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	119071	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.88	113	95574	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.32	98	383400	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.62	95	142108	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29302	20.593	ug/l	100
3) Chloromethane	2.21	50	39518	21.553	ug/l	98
4) Vinyl Chloride	2.35	62	47738	19.892	ug/l	99
5) Bromomethane	2.76	94	24713	20.493	ug/l	96
6) Chloroethane	2.91	64	26174	20.249	ug/l	98
7) Trichlorofluoromethane	3.24	101	15359	18.016	ug/l	99
8) Diethyl Ether	3.67	74	24331	20.626	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	40474	19.820	ug/l	98
10) Methyl Iodide	4.27	142	56956	20.279	ug/l	99
11) Tert butyl alcohol	5.16	59	19853	111.852	ug/l	95
12) 1,1-Dichloroethene	4.03	96	42379	19.995	ug/l	95
13) Acrolein	3.88	56	12065	85.364	ug/l	98
14) Allyl chloride	4.65	41	81268	21.027	ug/l	99
15) Acrylonitrile	5.36	53	62149	103.450	ug/l	98
16) Acetone	4.12	43	62491	108.335	ug/l	100
17) Carbon Disulfide	4.38	76	119794	18.643	ug/l	98
18) Methyl Acetate	4.67	43	41631	24.663	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	67043	20.847	ug/l	98
20) Methylene Chloride	4.91	84	55317	24.309	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	45533	20.675	ug/l	95
22) Diisopropyl ether	6.30	45	176384	21.218	ug/l	95
23) Vinyl Acetate	6.24	43	509774	99.089	ug/l	100
24) 1,1-Dichloroethane	6.21	63	92646	21.224	ug/l	99
25) 2-Butanone	7.16	43	94361	104.212	ug/l	100
26) 2,2-Dichloropropane	7.16	77	48735	21.478	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	49696	20.918	ug/l	96
28) Bromochloromethane	7.51	49	41292	20.804	ug/l	99
29) Tetrahydrofuran	7.52	42	59362	99.982	ug/l	100
30) Chloroform	7.66	83	85139	21.060	ug/l	99
31) Cyclohexane	7.95	56	89808	19.339	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	62295	20.257	ug/l	99
36) 1,1-Dichloropropene	8.08	75	67901	19.941	ug/l	99
37) Ethyl Acetate	7.24	43	42765	20.904	ug/l	99
38) Carbon Tetrachloride	8.06	117	55992	19.398	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78733	19.077	ug/l	98
40) Benzene	8.32	78	196612	20.894	ug/l	98
41) Methacrylonitrile	7.48	41	22923	19.591	ug/l	99
42) 1,2-Dichloroethane	8.40	62	64359	21.083	ug/l	99
43) Isopropyl Acetate	8.42	43	77024	19.942	ug/l	98
44) Trichloroethene	9.09	130	45918	20.278	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53657	21.057	ug/l	97
46) Dibromomethane	9.46	93	24759	20.684	ug/l	99
47) Bromodichloromethane	9.64	83	61864	20.198	ug/l	98
48) Methyl methacrylate	9.43	41	36315	19.543	ug/l	98
49) 1,4-Dioxane	9.44	88	8199	410.348	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	202775	100.500	ug/l	99
52) Toluene	10.38	92	119516	20.937	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	63098	19.354	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	75888	19.776	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	35676	21.008	ug/l	97
56) Ethyl methacrylate	10.65	69	50335	19.469	ug/l	98
57) 1,3-Dichloropropane	10.93	76	66580	20.733	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	96463	80.479	ug/l	100
59) 2-Hexanone	10.97	43	137447	98.229	ug/l	99
60) Dibromochloromethane	11.13	129	37484	20.129	ug/l	97
61) 1,2-Dibromoethane	11.23	107	32836	20.413	ug/l	99
64) Tetrachloroethene	10.86	164	39519	20.375	ug/l	97
65) Chlorobenzene	11.66	112	119961	20.527	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	41761	20.295	ug/l	98
67) Ethyl Benzene	11.73	91	226200	20.219	ug/l	98
68) m/p-Xylenes	11.84	106	164602	40.661	ug/l	99
69) o-Xylene	12.16	106	78007	20.445	ug/l	100
70) Styrene	12.18	104	134222	20.384	ug/l	99
71) Bromoform	12.35	173	20467	18.708	ug/l #	99
73) Isopropylbenzene	12.46	105	211563	19.851	ug/l	100
74) N-amyl acetate	12.27	43	70835	19.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42570	19.486	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31320m	19.010	ug/l	
77) Bromobenzene	12.75	156	48899	20.445	ug/l	98
78) n-propylbenzene	12.80	91	260470	19.840	ug/l	100
79) 2-Chlorotoluene	12.89	91	152943	20.245	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	181242	20.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11701	16.064	ug/l	93
82) 4-Chlorotoluene	12.99	91	159671	20.292	ug/l	100
83) tert-Butylbenzene	13.21	119	149697	19.825	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	184238	20.265	ug/l	100
85) sec-Butylbenzene	13.38	105	216743	19.893	ug/l	99
86) p-Isopropyltoluene	13.50	119	194162	19.868	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	95146	20.677	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	95769	20.668	ug/l	99
89) n-Butylbenzene	13.82	91	194477	19.949	ug/l	100
90) Hexachloroethane	14.10	117	33301	18.648	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	85654	20.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7326	18.906	ug/l	95

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MSVOA_W
ClientSampleId :
VW0718SBSD01

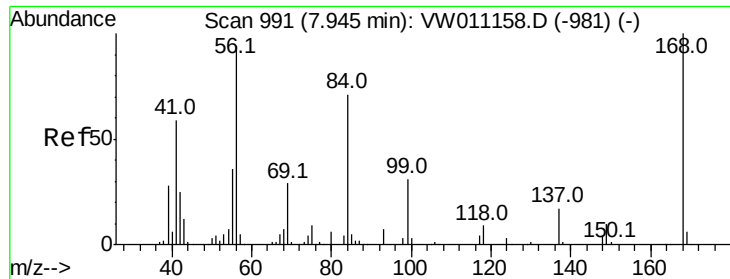
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	58524	20.353	ug/l	100
94) Hexachlorobutadiene	15.24	225	35819	20.290	ug/l	99
95) Naphthalene	15.37	128	104383	18.944	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	52259	20.593	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: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

Tot Ion:168 Resp: 190791

Ion Ratio Lower Upper

168 100

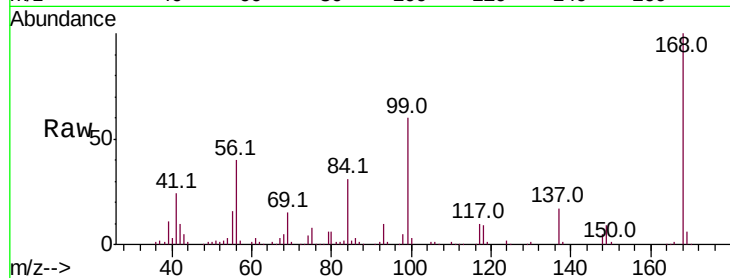
99 59.6 50.1 75.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

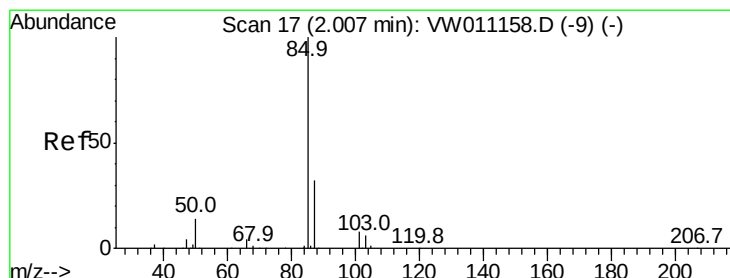
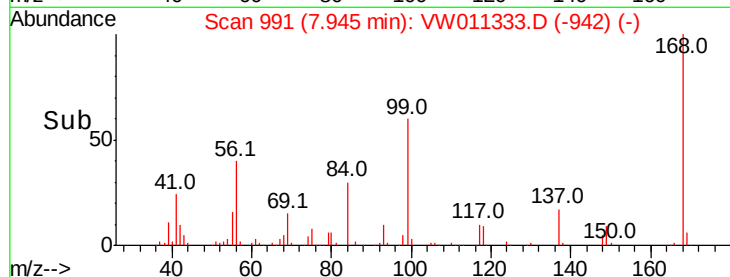
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.593 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011333.D

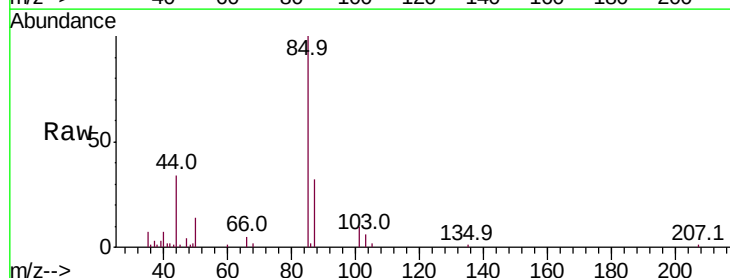
Acq: 18 Jul 2019 14:55

Tgt Ion: 85 Resp: 29302

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

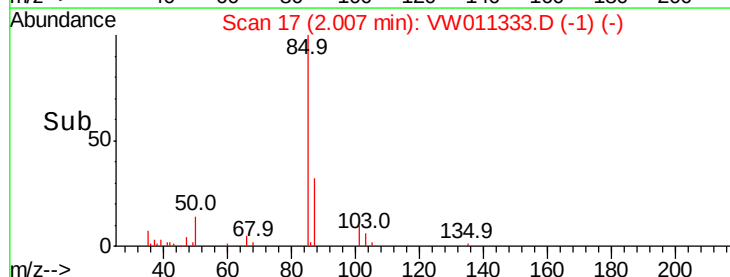
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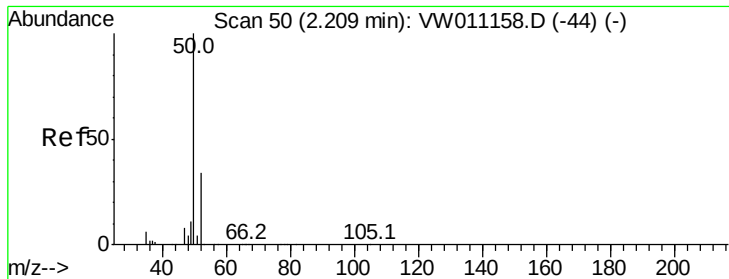
4000

2000

0

Time-->





#3

Chloromethane

Concen: 21.553 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBSD01

Tot Ion: 50 Resp: 39518

Ion Ratio Lower Upper

50 100

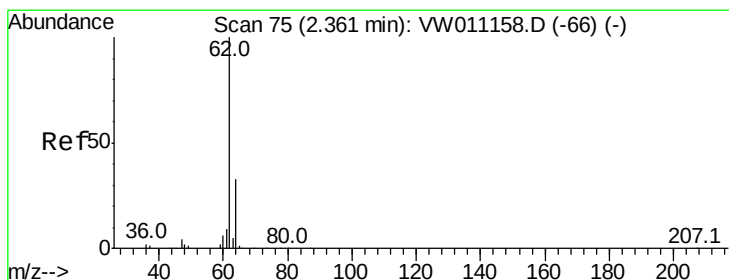
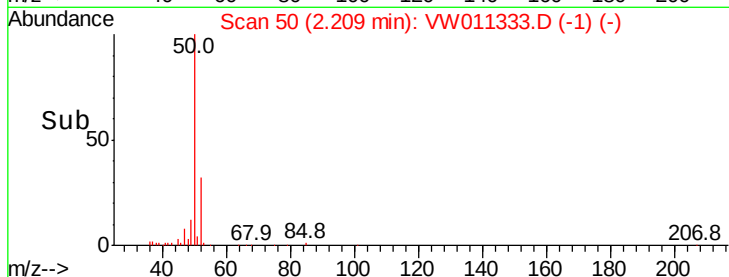
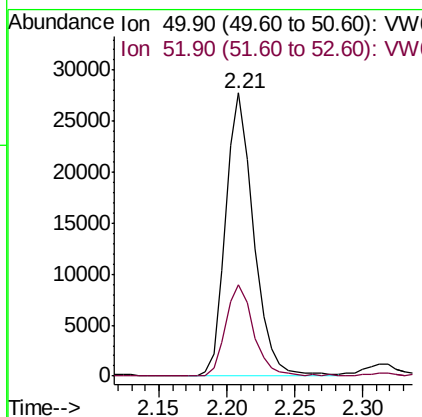
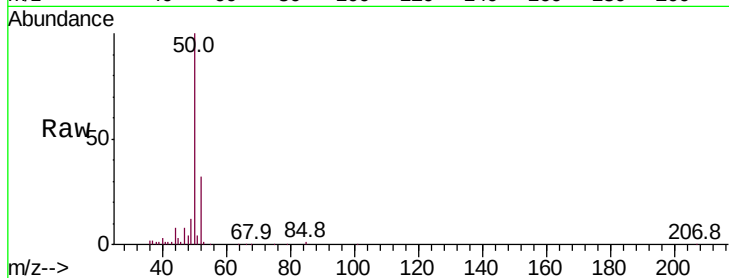
52 32.2 26.9 40.3

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#4

Vinyl Chloride

Concen: 19.892 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011333.D

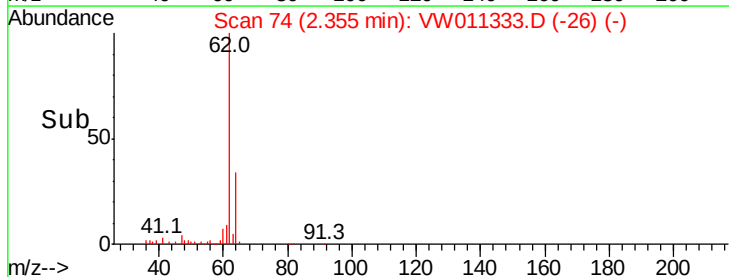
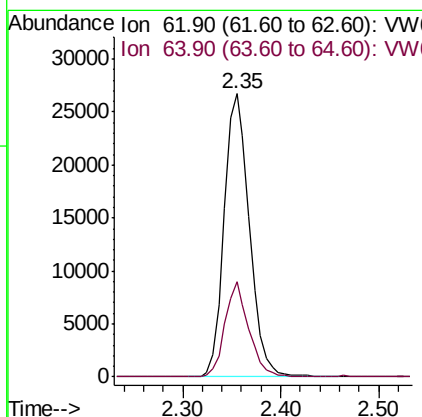
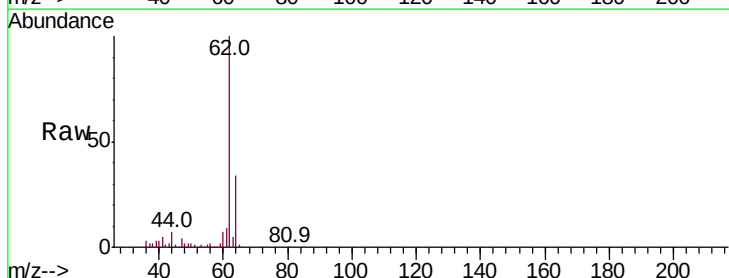
Acq: 18 Jul 2019 14:55

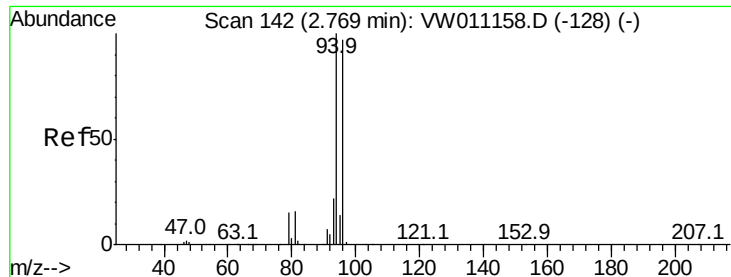
Tgt Ion: 62 Resp: 47738

Ion Ratio Lower Upper

62 100

64 33.6 26.6 40.0





#5

Bromomethane

Concen: 20.493 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

Tot Ion: 94 Resp: 24713

Ion Ratio Lower Upper

94 100

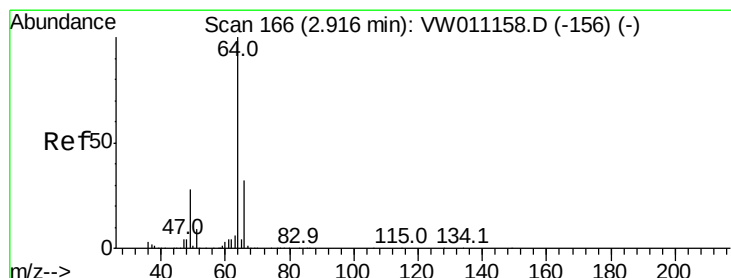
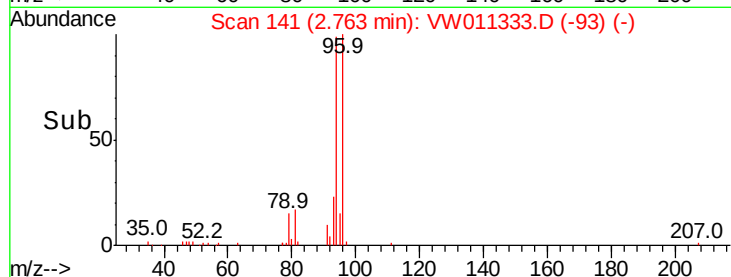
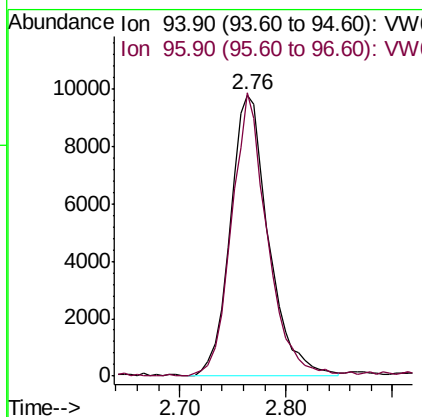
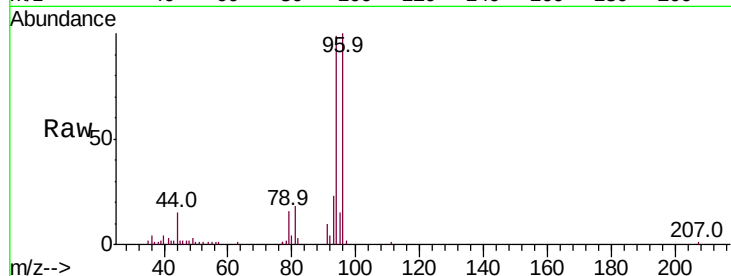
96 100.8 77.4 116.0

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#6

Chloroethane

Concen: 20.249 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011333.D

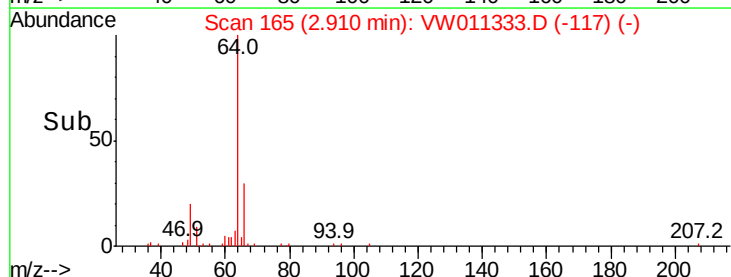
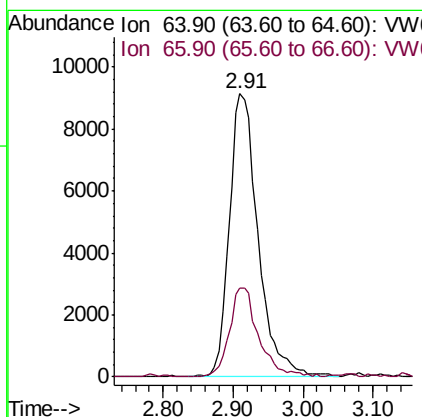
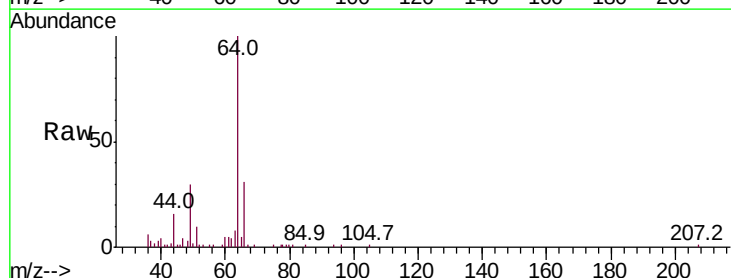
Acq: 18 Jul 2019 14:55

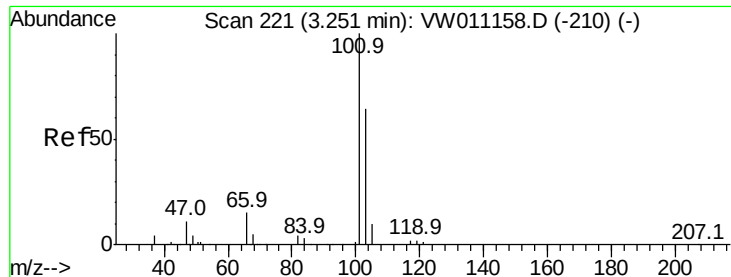
Tgt Ion: 64 Resp: 26174

Ion Ratio Lower Upper

64 100

66 31.3 25.8 38.8





#7

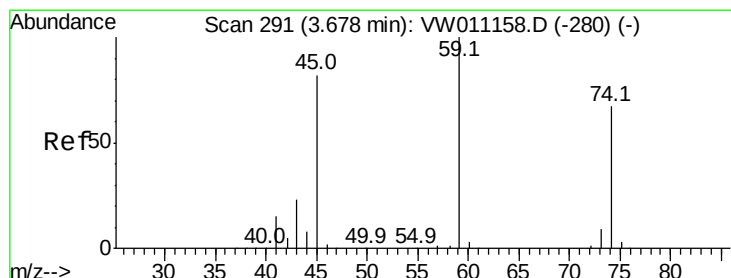
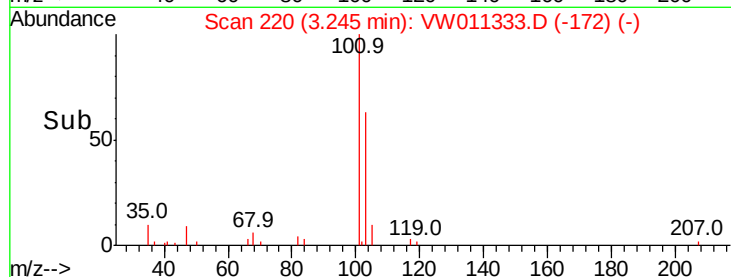
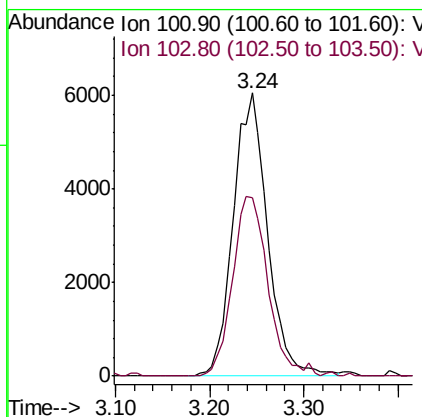
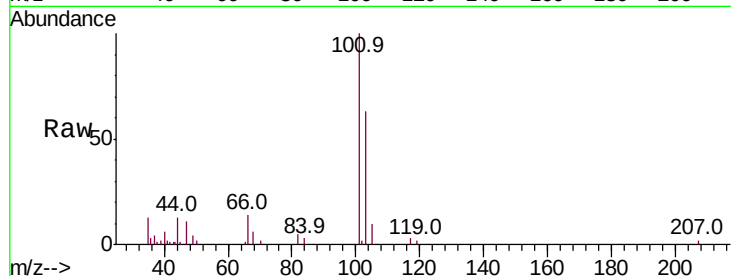
Trichlorofluoromethane
Concen: 18.016 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
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ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.3	76.9

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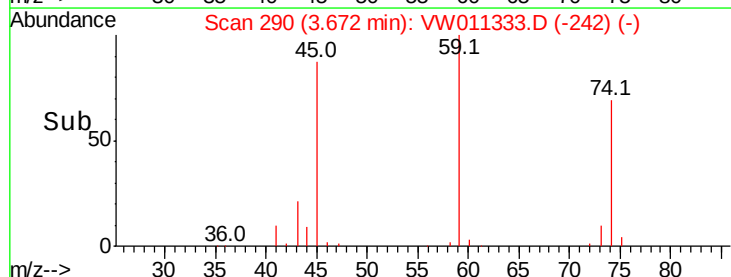
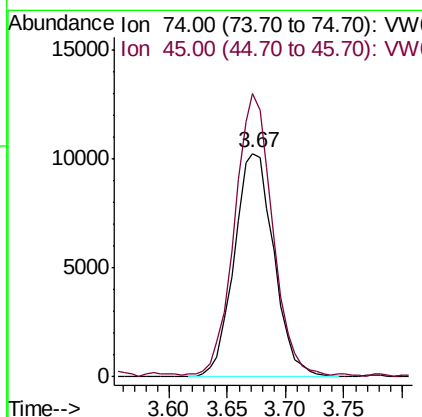
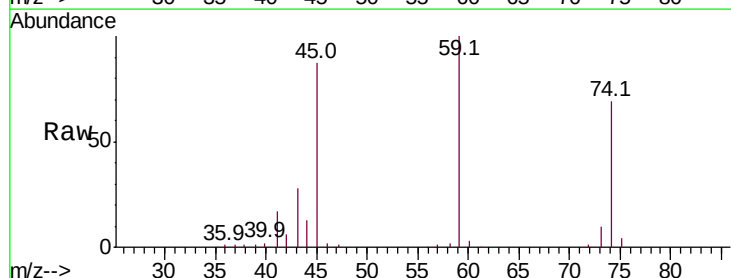
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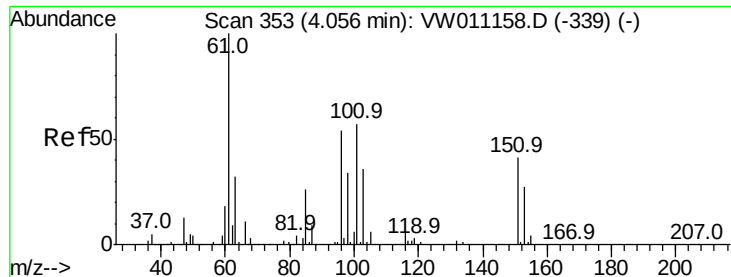


#8

Diethyl Ether
Concen: 20.626 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.1	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.820 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

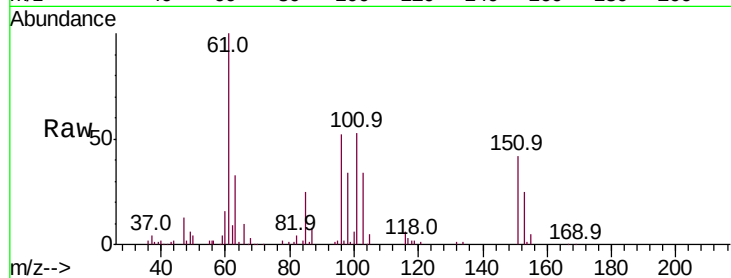
ClientSampleId :

VW0718SBS01

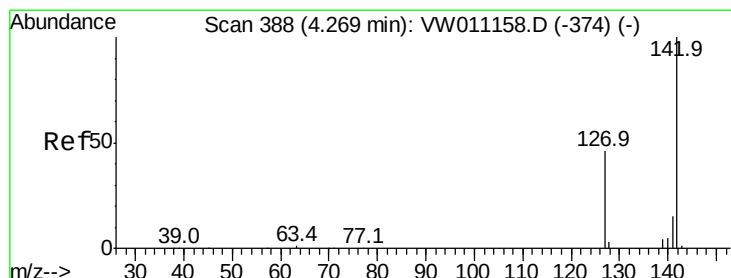
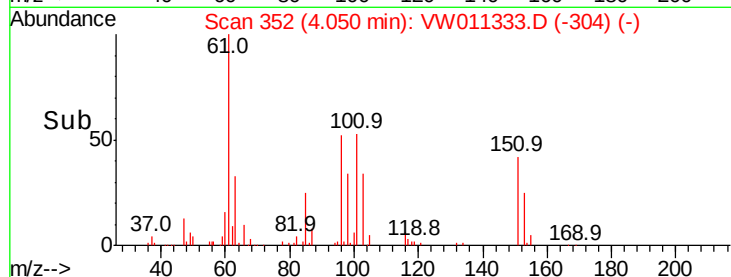
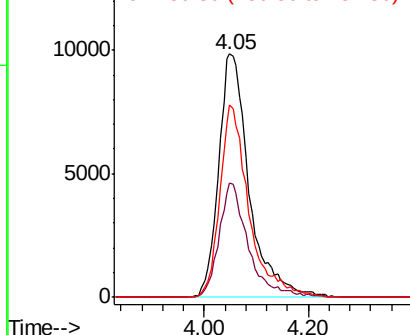
Tot Ion:	101	Resp:	40474
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.5	54.7
151	75.2	59.1	88.7

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



#10

Methyl Iodide

Concen: 20.279 ug/l

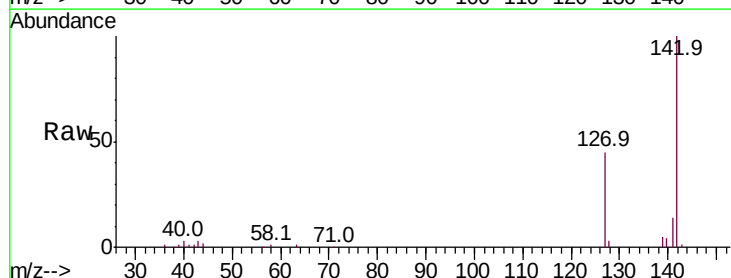
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

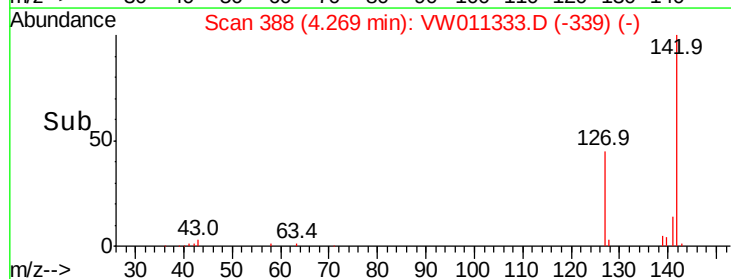
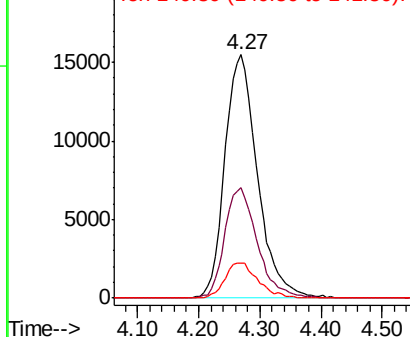
Lab File: VW011333.D

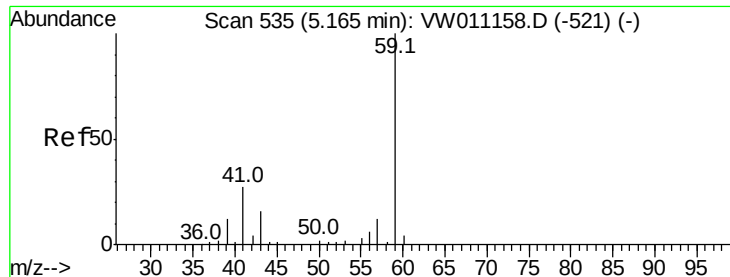
Acq: 18 Jul 2019 14:55

Tgt Ion:	142	Resp:	56956
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.7	53.5
141	14.8	11.5	17.3



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





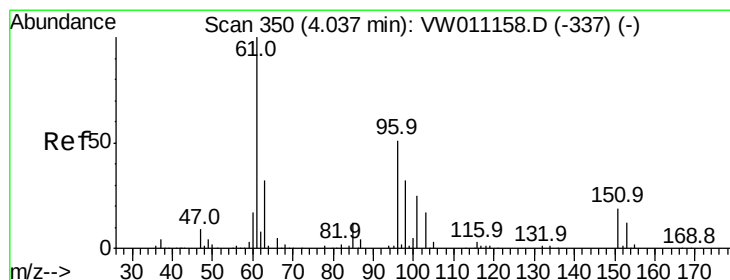
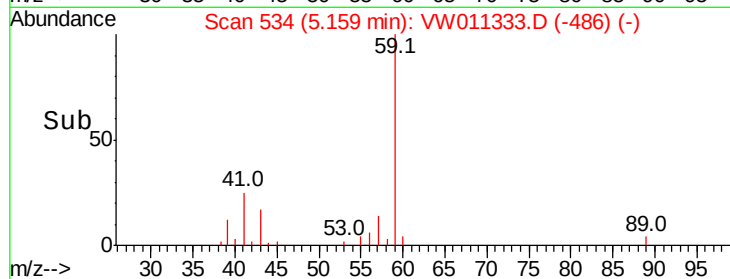
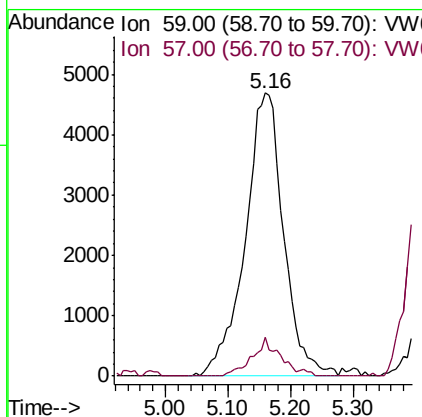
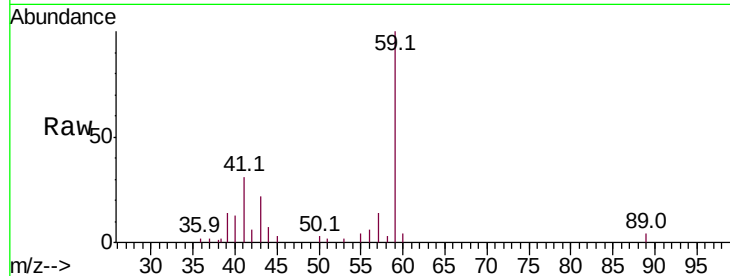
#11
Tert butyl alcohol
Concen: 111.852 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	19853		
57	9.6		9.0	13.6

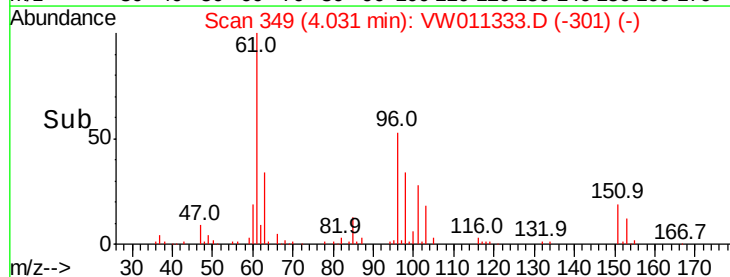
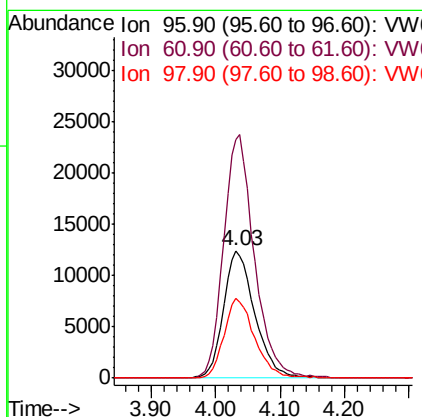
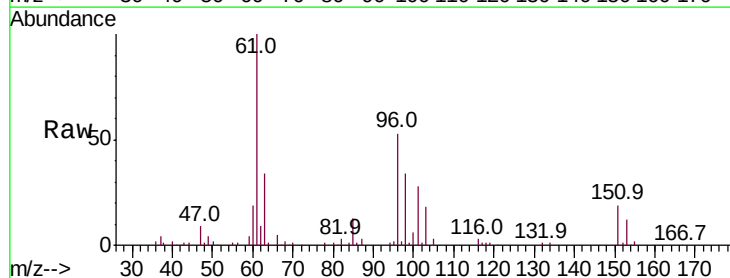
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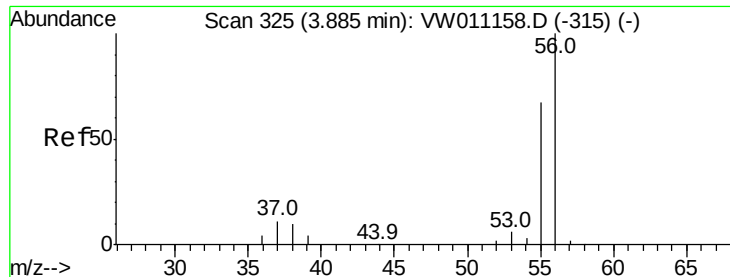
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.995 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	42379		
61	187.1		157.7	236.5
98	63.1		50.9	76.3





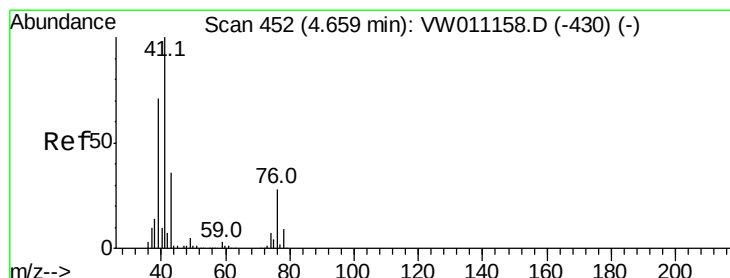
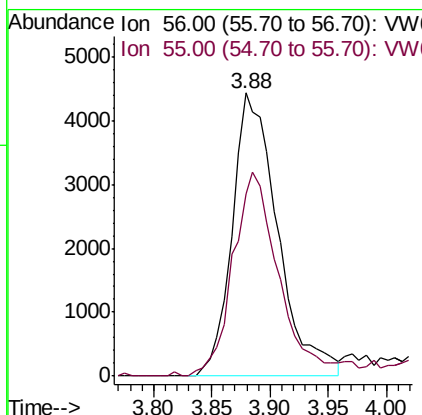
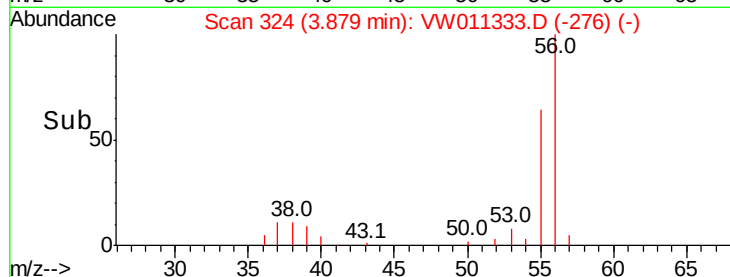
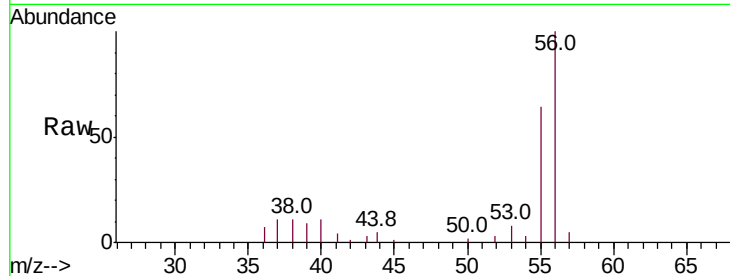
#13
Acrolein
Concen: 85.364 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	56	Resp	12065
Ion Ratio	56	100	
Lower	55	72.1	56.4
Upper			84.6

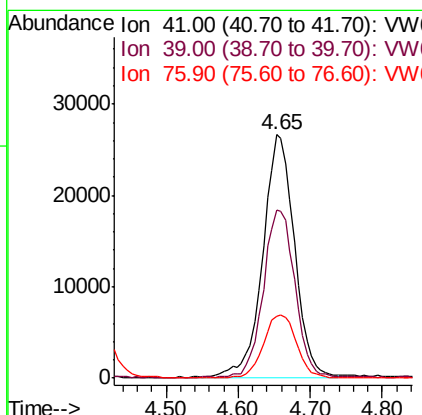
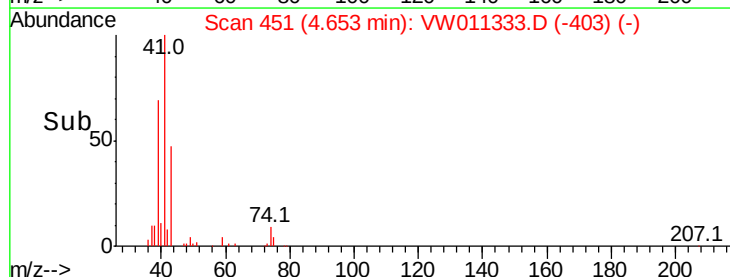
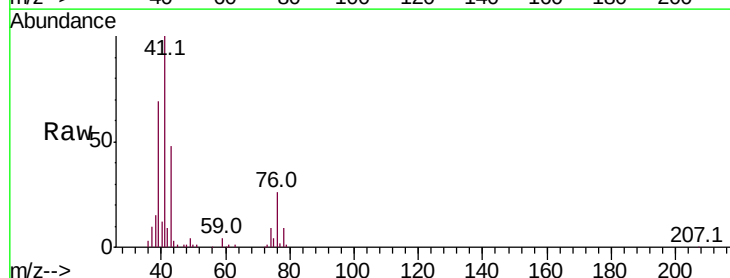
Manual Integrations
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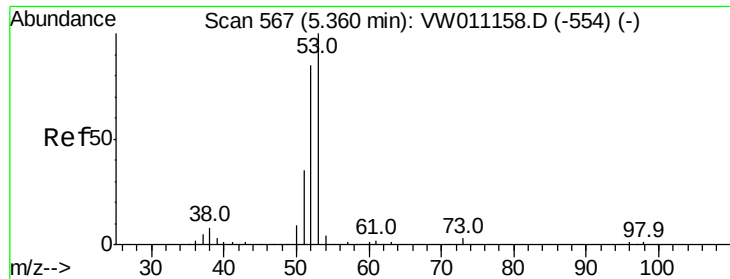
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#14
Allyl chloride
Concen: 21.027 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	41	Resp	81268
Ion Ratio	41	100	
Lower	39	68.5	55.1
Upper			82.7
	76	26.9	22.5
			33.7





#15

Acrylonitrile

Concen: 103.450 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

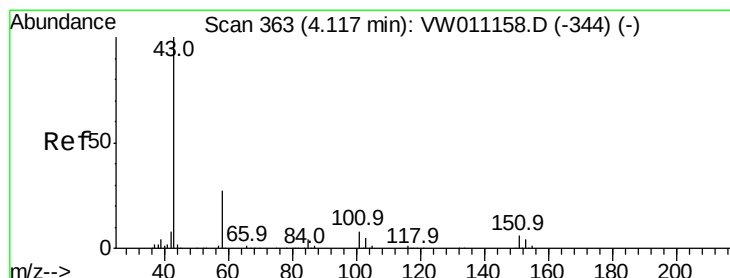
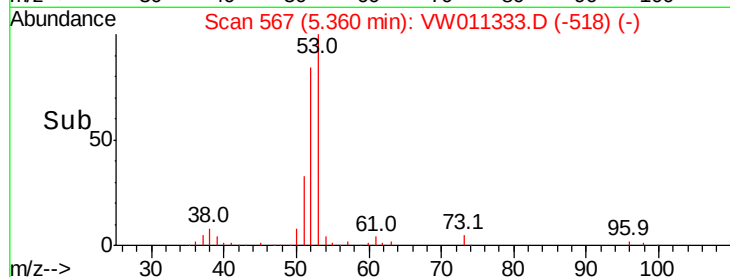
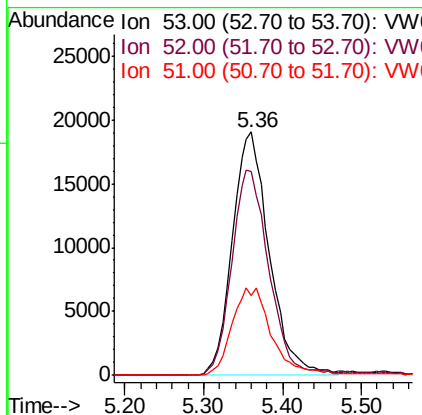
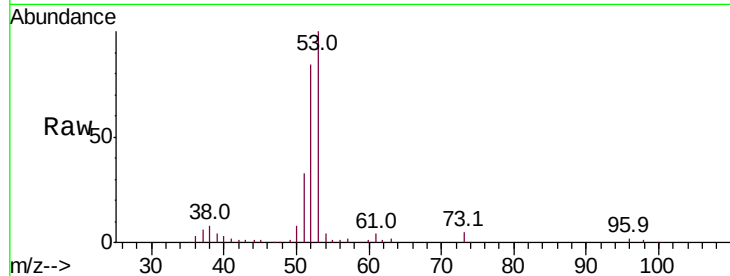
ClientSampleId :

VW0718SBS01

Tot Ion:	53	Resp:	62149
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.2	99.4
51	38.3	29.1	43.7

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#16

Acetone

Concen: 108.335 ug/l

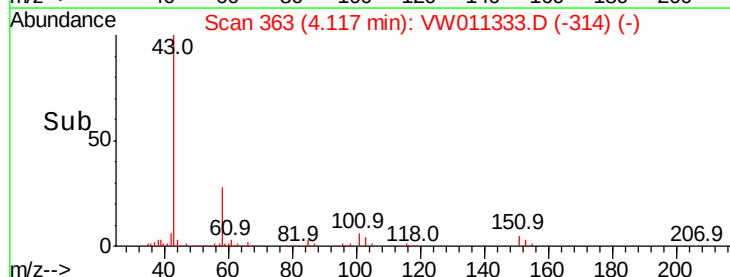
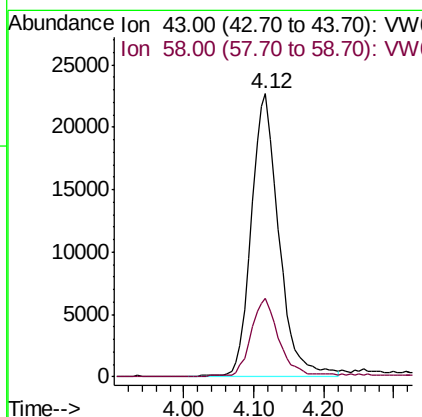
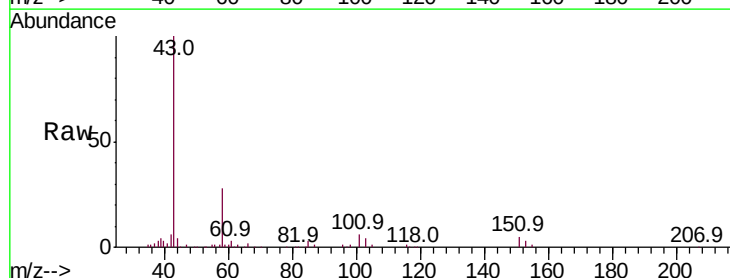
RT: 4.12 min Scan# 363

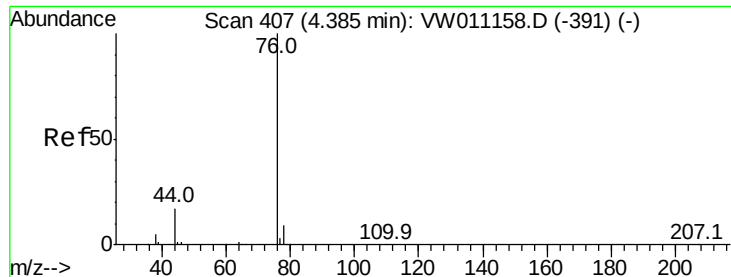
Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion:	43	Resp:	62491
Ion Ratio	Lower	Upper	
43	100		
58	27.3	21.8	32.6





#17

Carbon Disulfide

Concen: 18.643 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBSD01

Tot Ion: 76 Resp: 119794

Ion Ratio Lower Upper

76 100

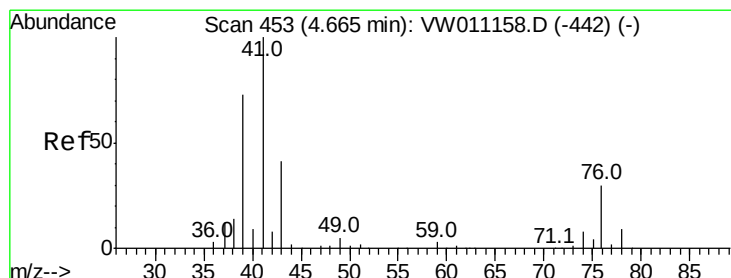
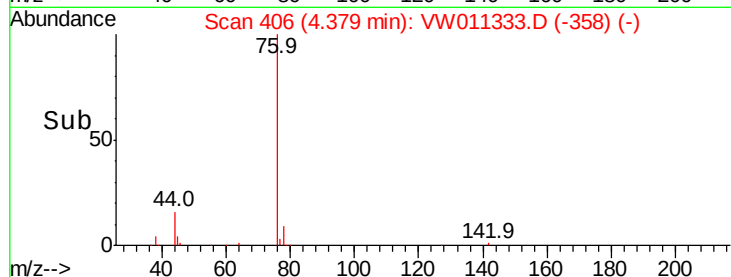
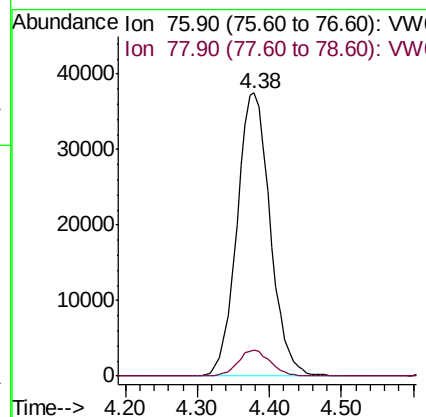
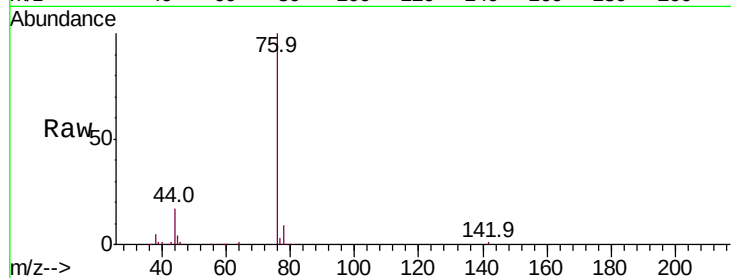
78 9.4 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 24.663 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011333.D

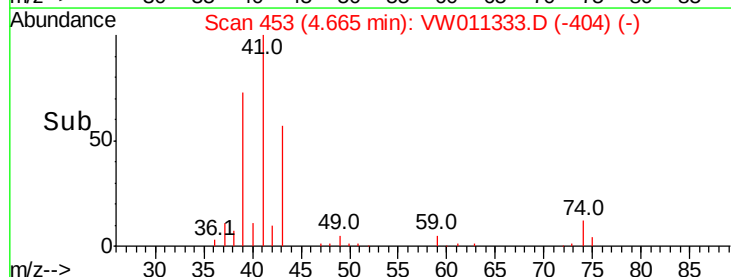
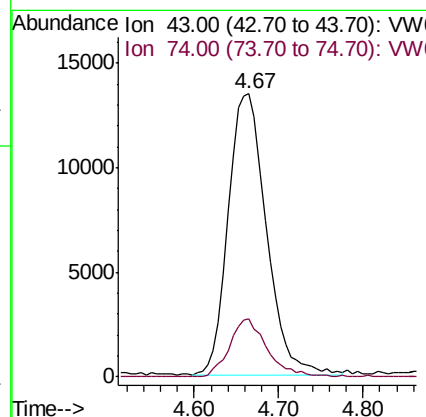
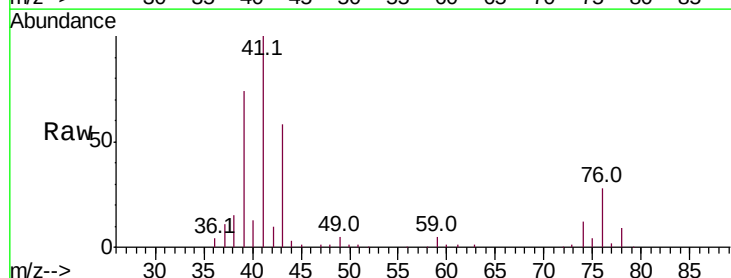
Acq: 18 Jul 2019 14:55

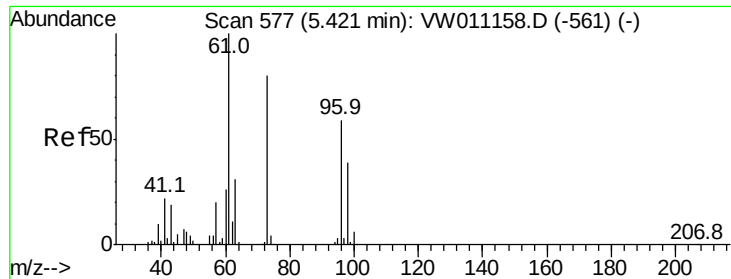
Tgt Ion: 43 Resp: 41631

Ion Ratio Lower Upper

43 100

74 20.2 15.7 23.5





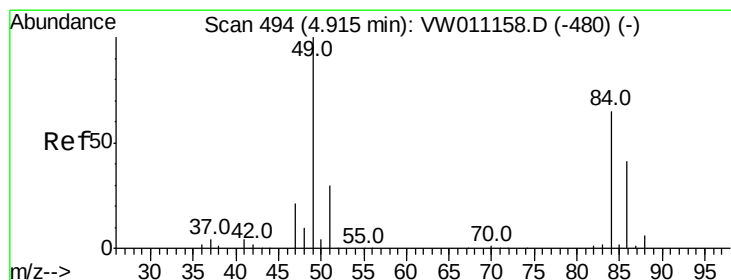
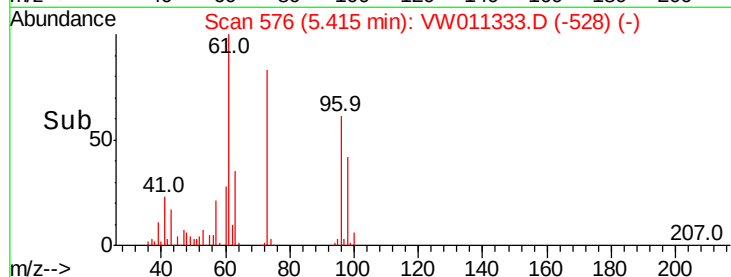
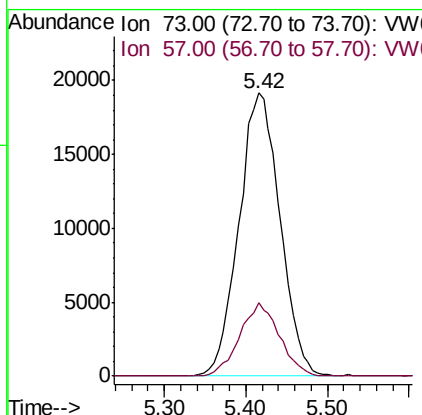
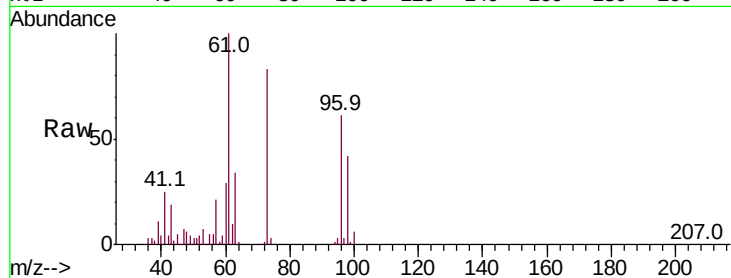
#19
Methyl tert-butyl Ether
Concen: 20.847 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion: 73 Resp: 67043
Ion Ratio Lower Upper
73 100
57 25.5 19.7 29.5

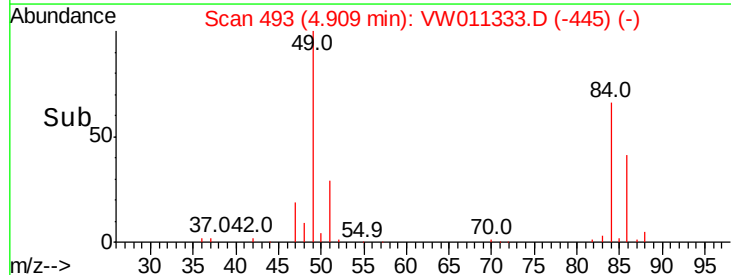
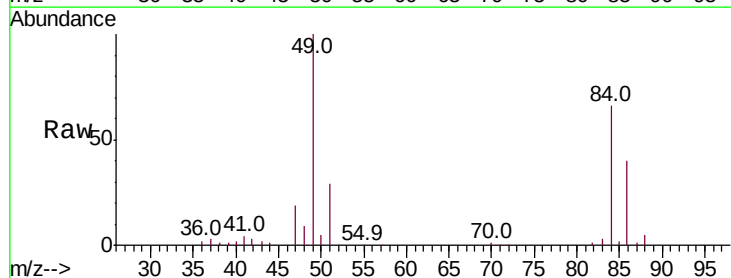
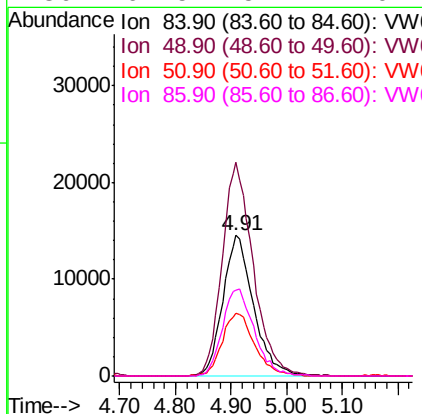
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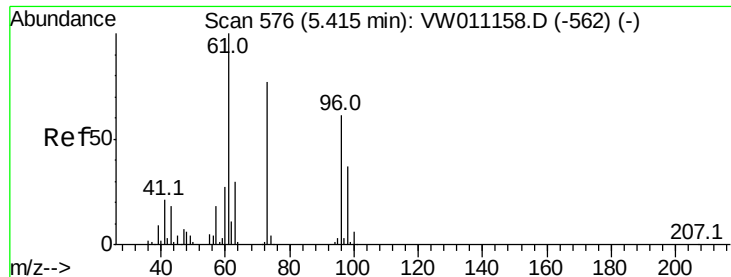
MMDadoda
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#20
Methylene Chloride
Concen: 24.309 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 84 Resp: 55317
Ion Ratio Lower Upper
84 100
49 152.2 123.8 185.6
51 44.5 37.4 56.2
86 61.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.675 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

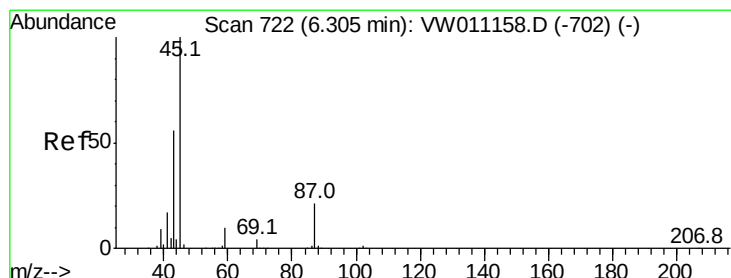
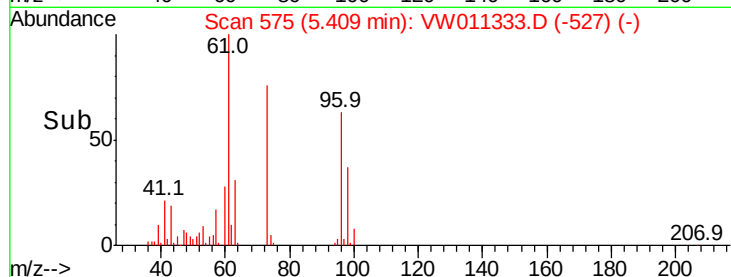
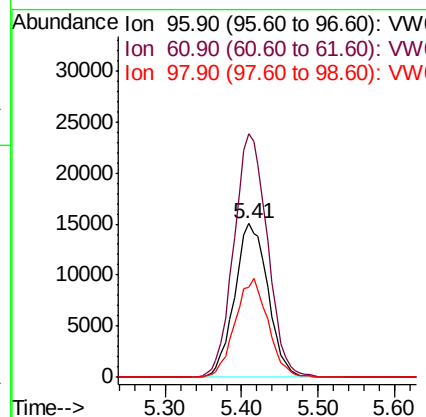
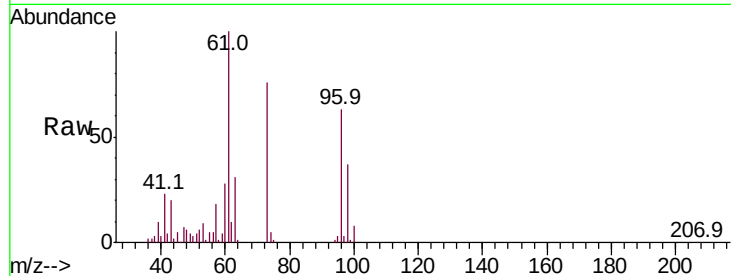
ClientSampleId :

VW0718SBS01

Tot Ion:	96	Resp:	45533
Ion	Ratio	Lower	Upper
96	100		
61	158.3	132.2	198.2
98	58.6	49.4	74.0

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#22

Diisopropyl ether

Concen: 21.218 ug/l

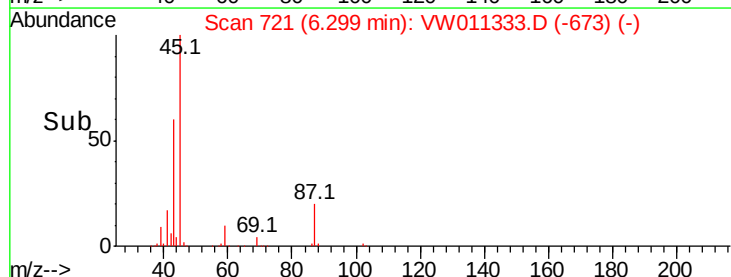
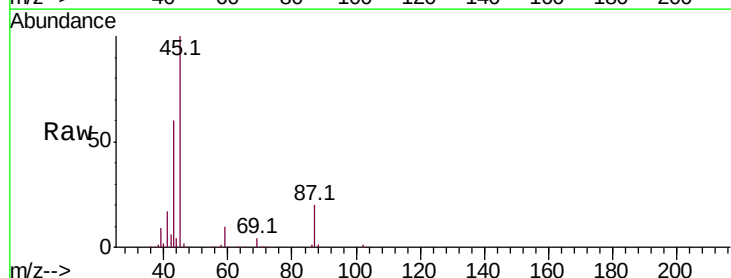
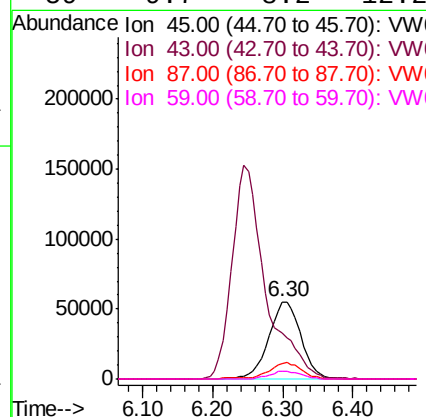
RT: 6.30 min Scan# 721

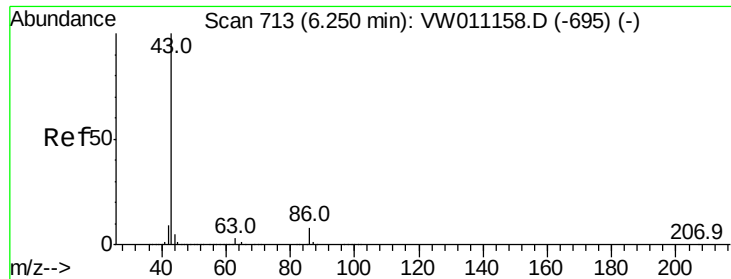
Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion:	45	Resp:	176384
Ion	Ratio	Lower	Upper
45	100		
43	59.8	44.6	66.8
87	19.8	17.3	25.9
59	9.7	8.2	12.2





#23

Vinyl Acetate

Concen: 99.089 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

Tot Ion: 43 Resp: 509774

Ion Ratio Lower Upper

43 100

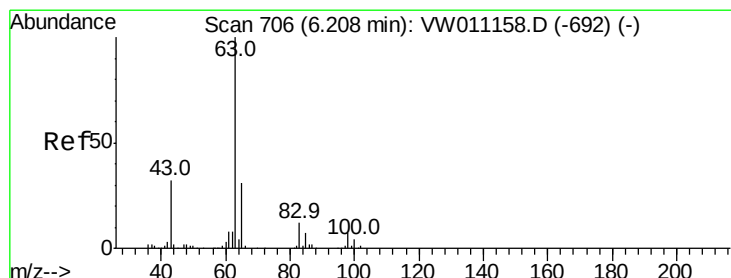
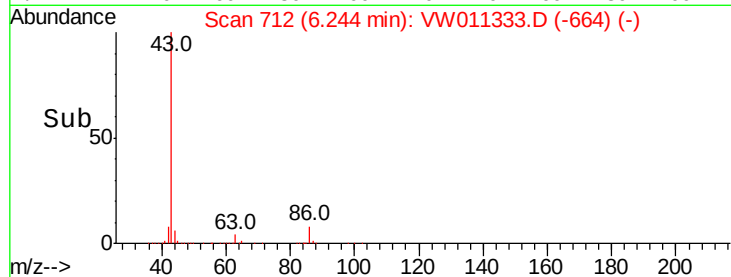
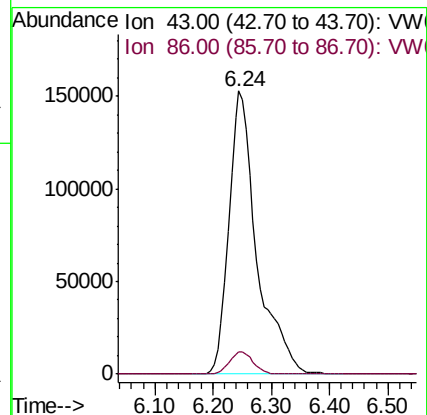
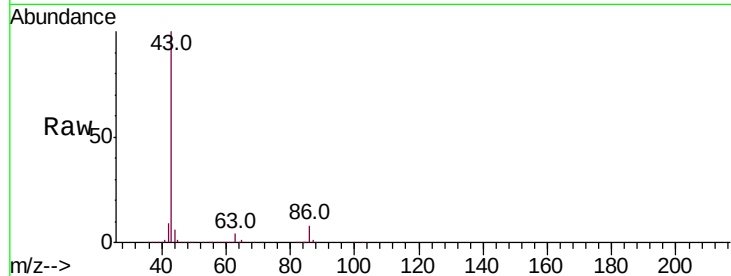
86 8.1 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 21.224 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

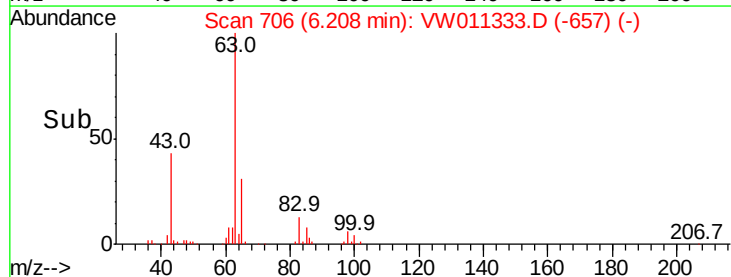
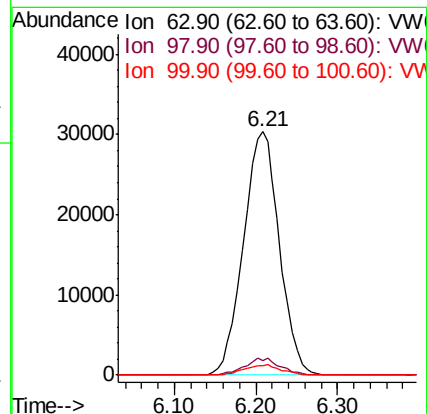
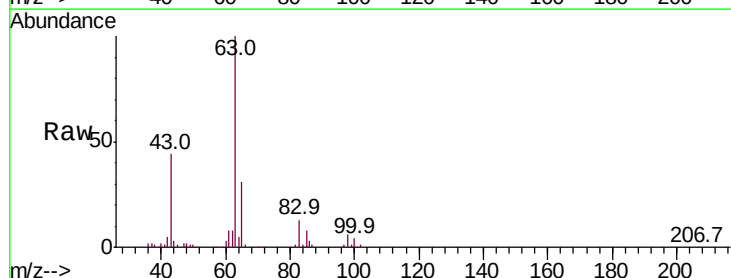
Tgt Ion: 63 Resp: 92646

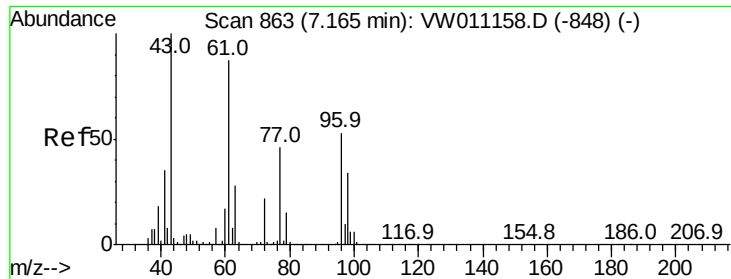
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

100 3.9 2.1 6.2





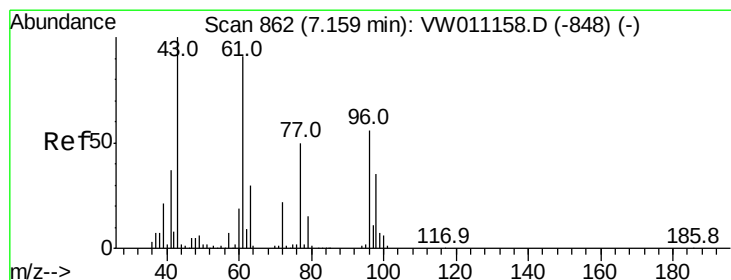
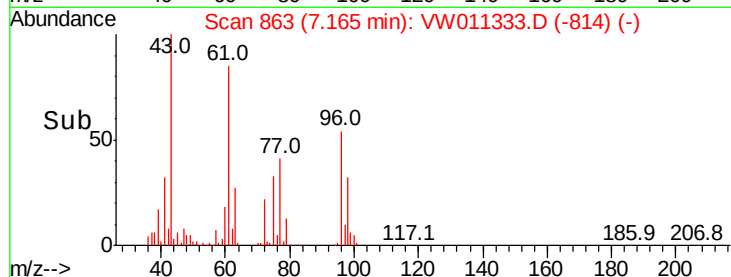
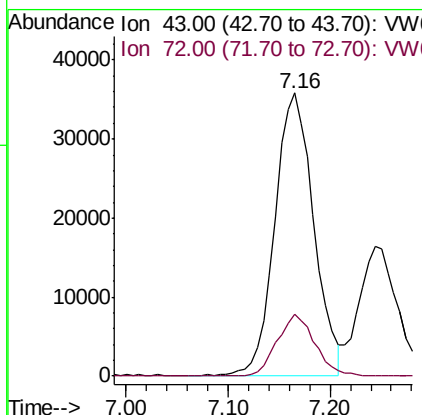
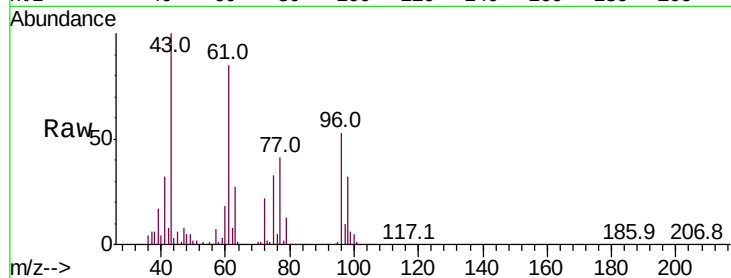
#25
2-Butanone
Concen: 104.212 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion: 43 Resp: 94361
Ion Ratio Lower Upper
43 100
72 22.1 17.6 26.4

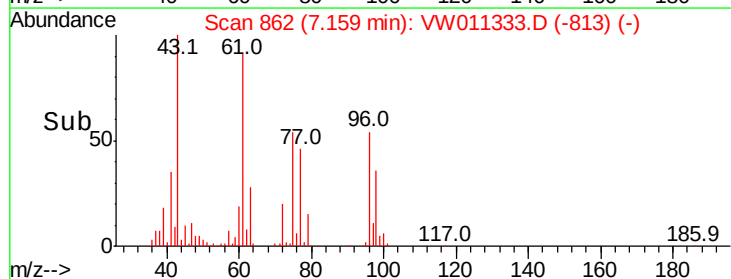
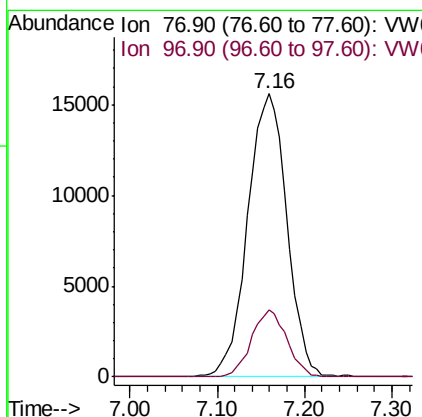
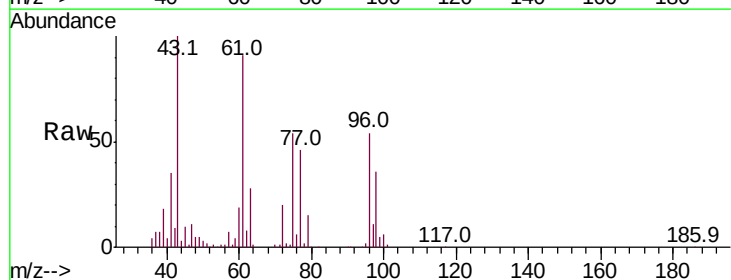
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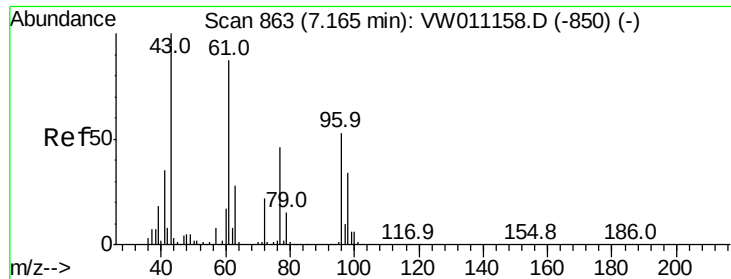
MMDadoda
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#26
2,2-Dichloropropane
Concen: 21.478 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 77 Resp: 48735
Ion Ratio Lower Upper
77 100
97 21.3 11.2 33.5





#27

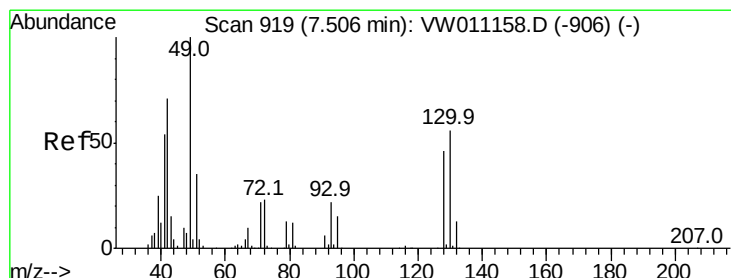
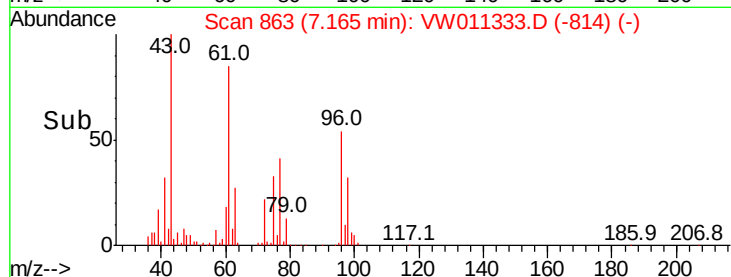
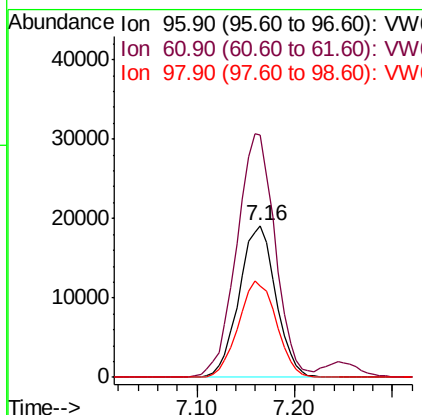
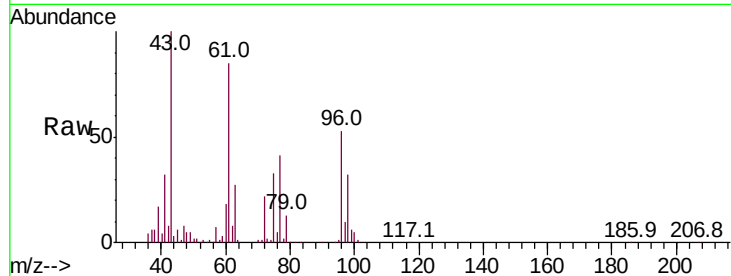
cis-1,2-Dichloroethene
Concen: 20.918 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.6	0.0	325.6
98	65.8	0.0	128.2

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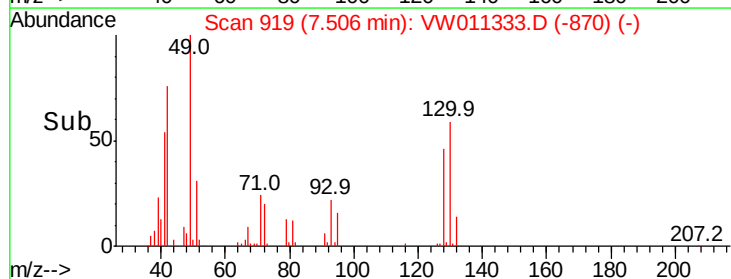
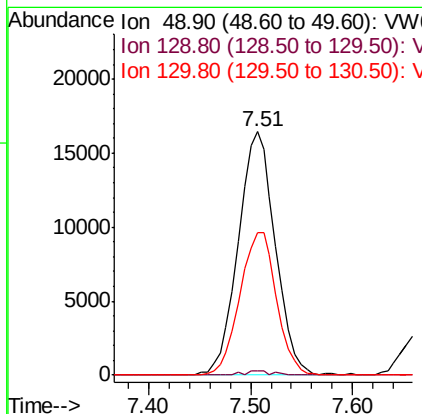
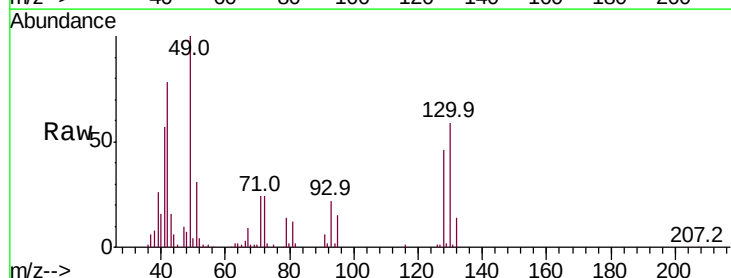
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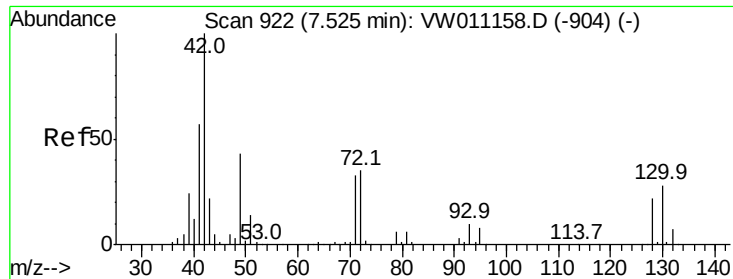


#28

Bromochloromethane
Concen: 20.804 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	58.3	45.8	68.8





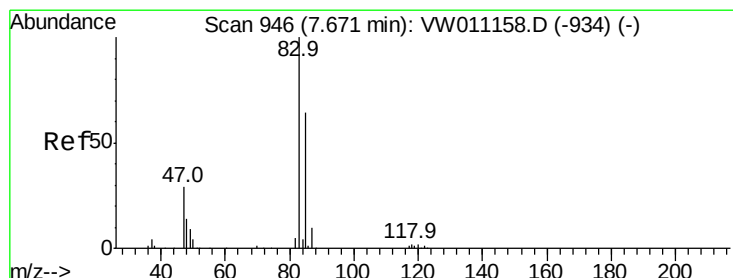
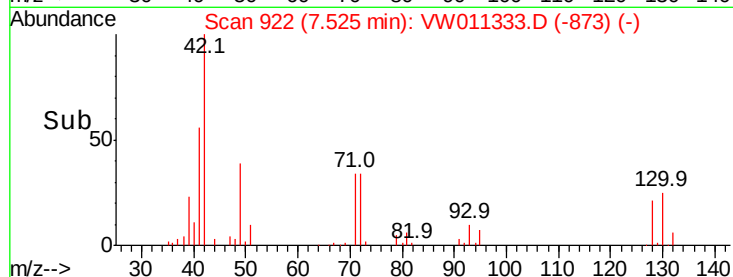
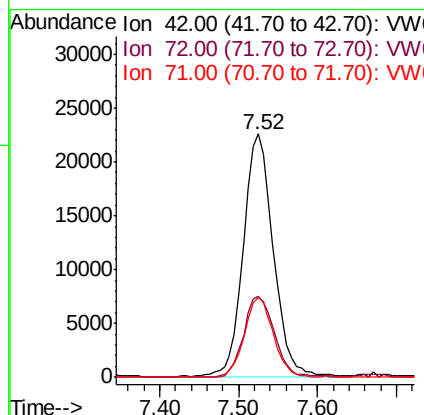
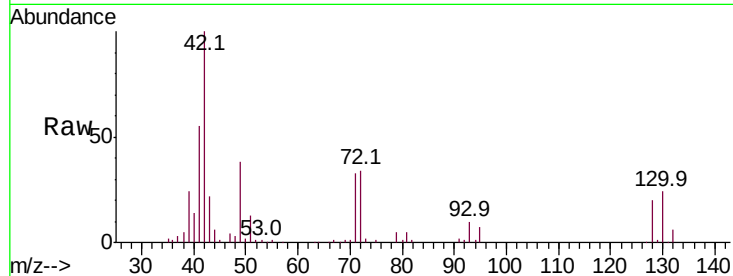
#29
Tetrahydrofuran
Concen: 99.982 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.4	41.2
71	32.0	25.9	38.9

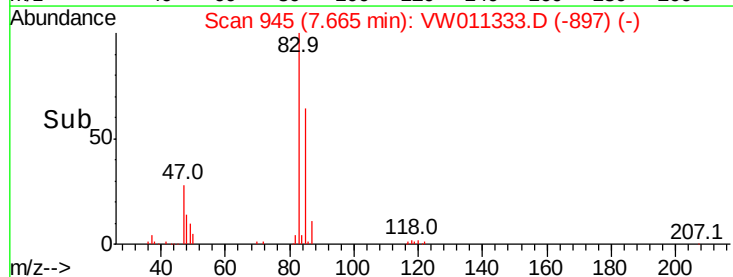
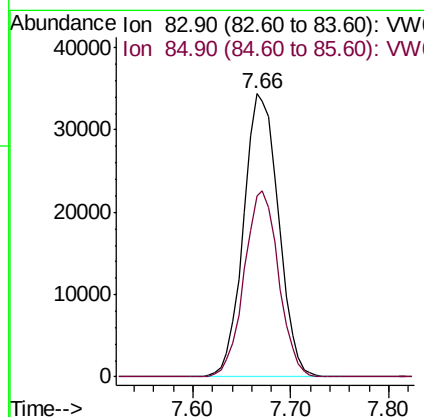
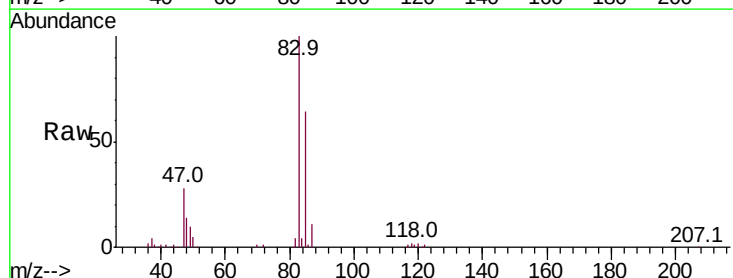
Manual Integrations
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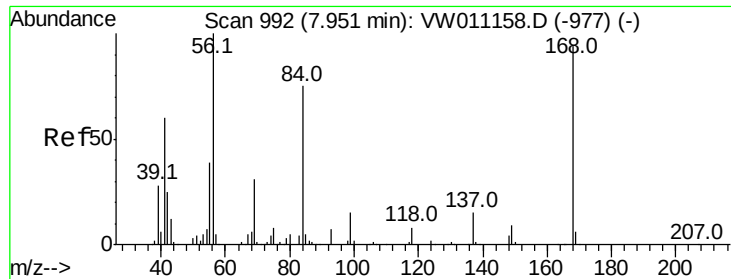
MMDadoda
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#30
Chloroform
Concen: 21.060 ug/l
RT: 7.66 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2





#31

Cyclohexane

Concen: 19.339 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

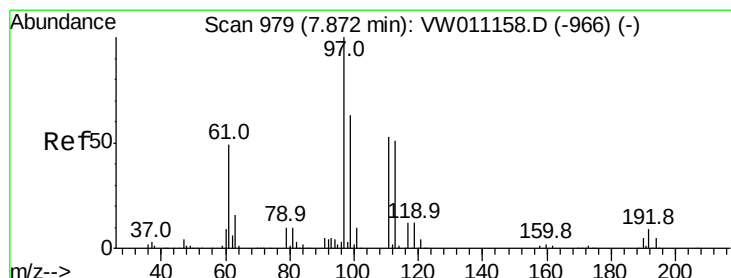
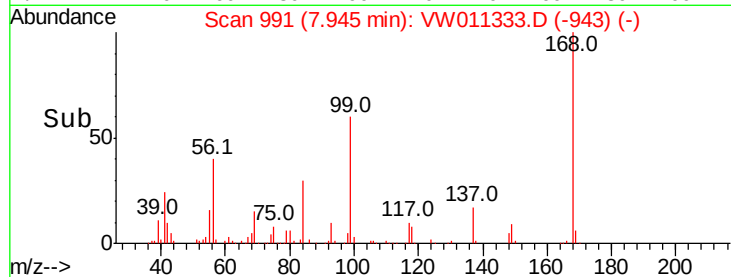
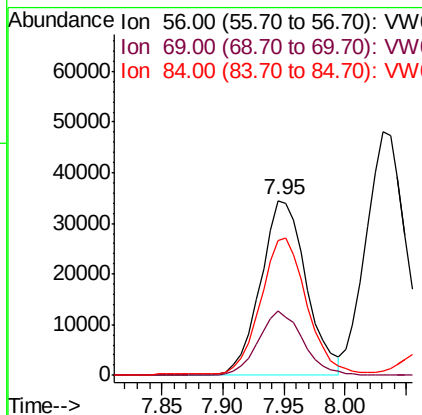
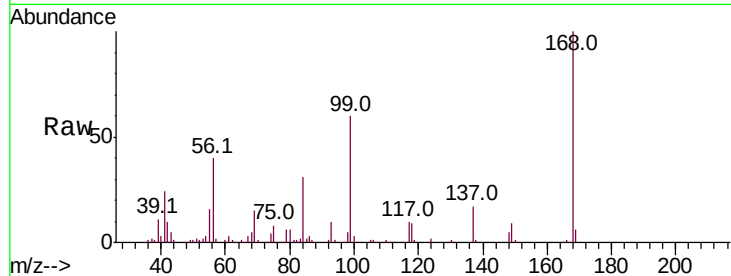
ClientSampleId :

VW0718SBS01

Tot Ion:	56	Resp:	89808
Ion Ratio	Lower	Upper	
56	100		
69	36.6	24.6	36.8
84	76.0	60.1	90.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.257 ug/l

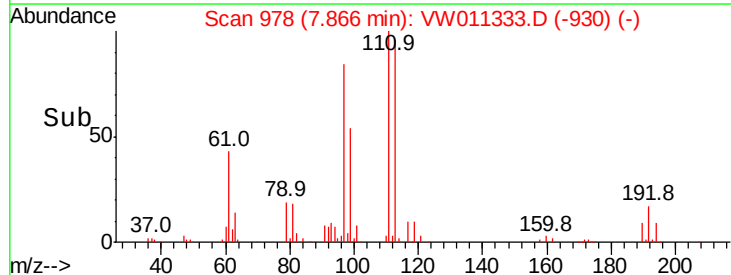
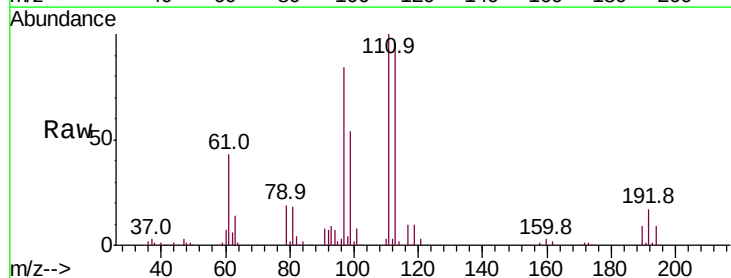
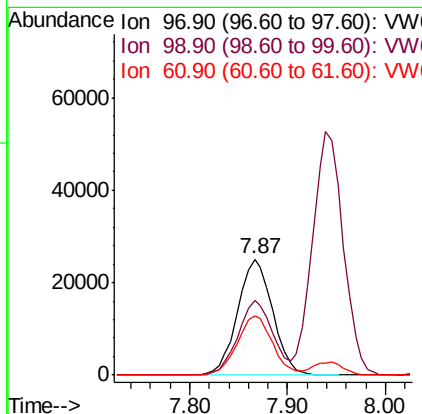
RT: 7.87 min Scan# 978

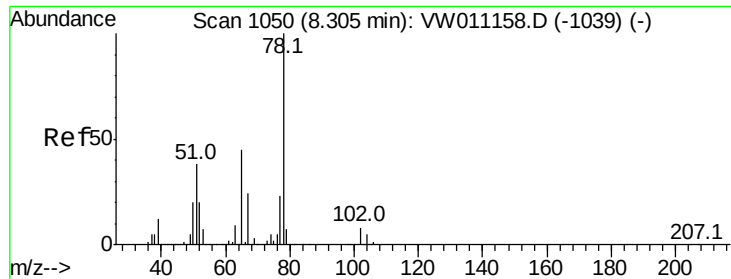
Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion:	97	Resp:	62295
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.4
61	51.8	40.4	60.6





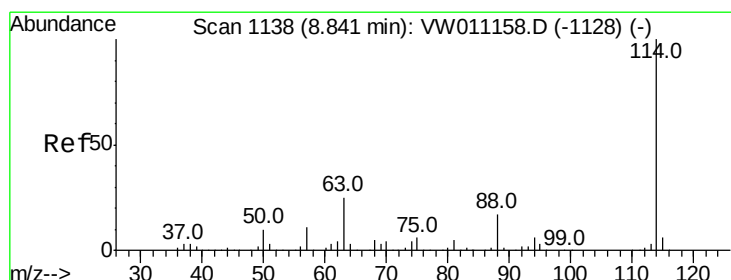
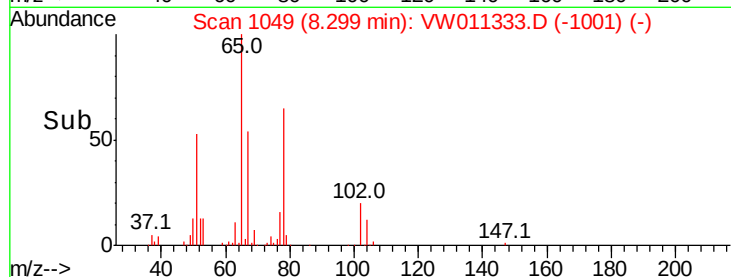
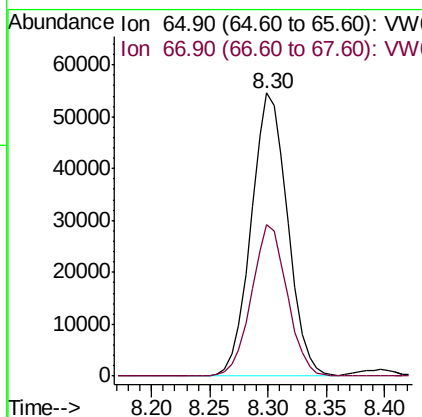
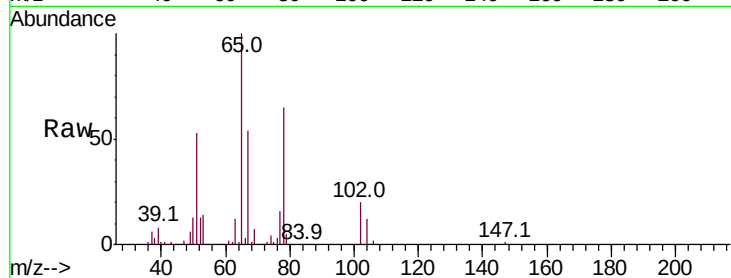
#33
 1,2-Dichloroethane-d4
 Concen: 49.668 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

Tot Ion: 65 Resp: 119071
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4

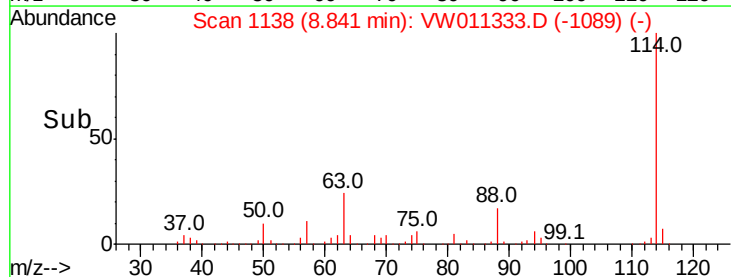
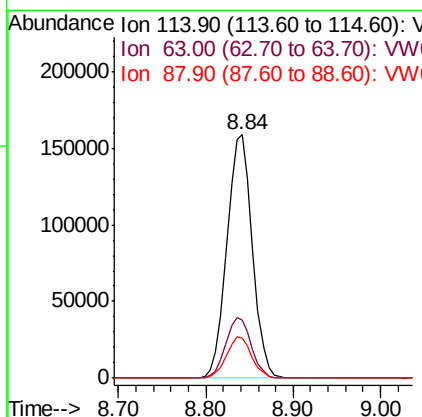
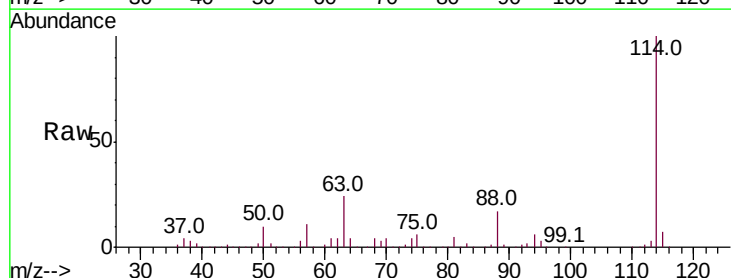
Manual Integrations
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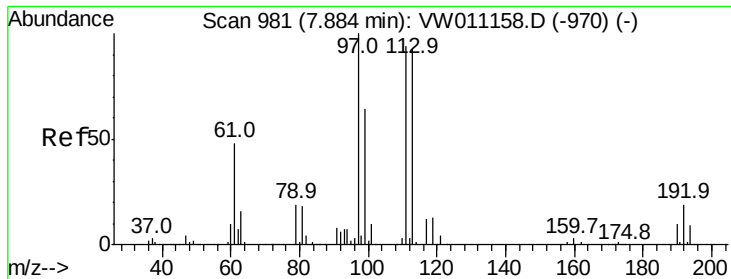
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion: 114 Resp: 319748
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 50.8
 88 16.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.148 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

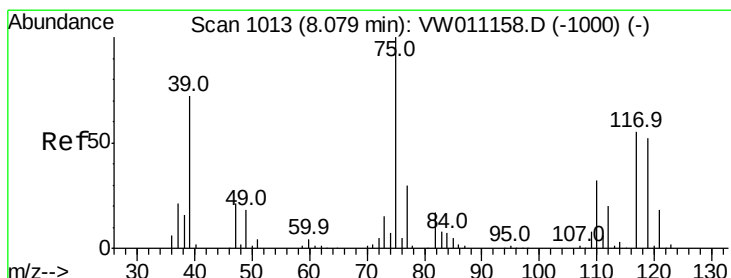
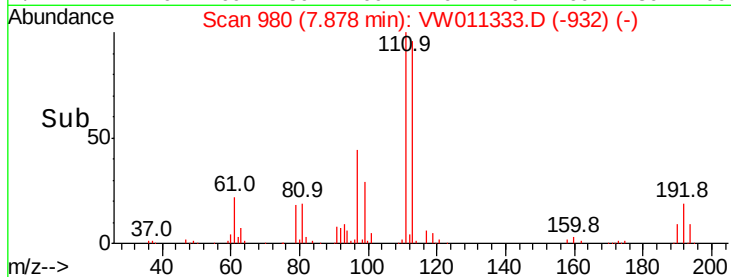
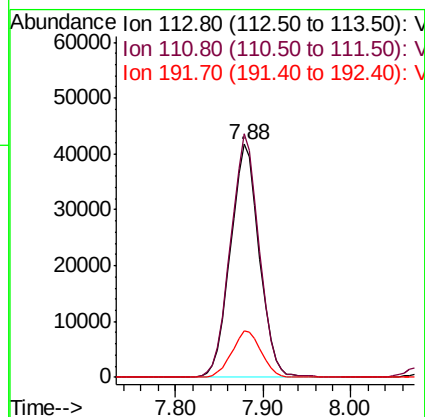
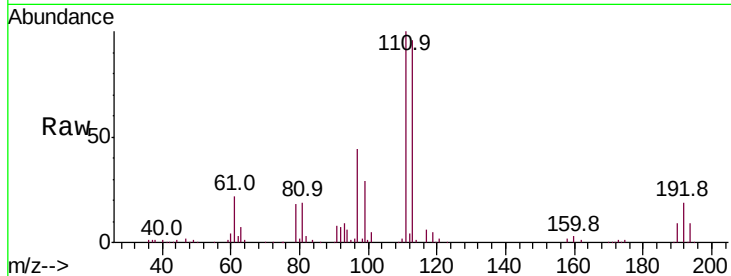
ClientSampleId :

VW0718SBS01

Tot Ion:	113	Resp:	95574
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	20.2	15.8	23.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.941 ug/l

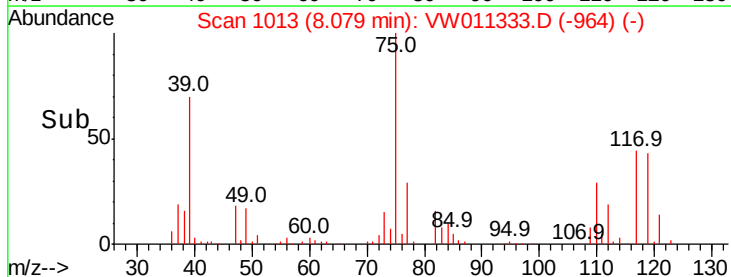
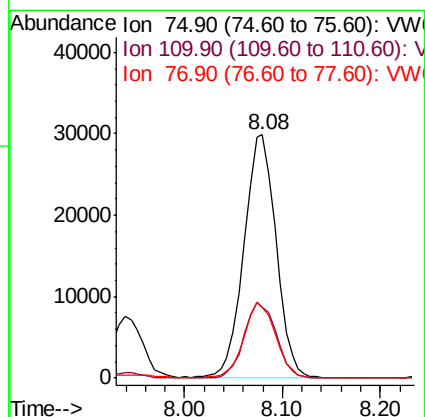
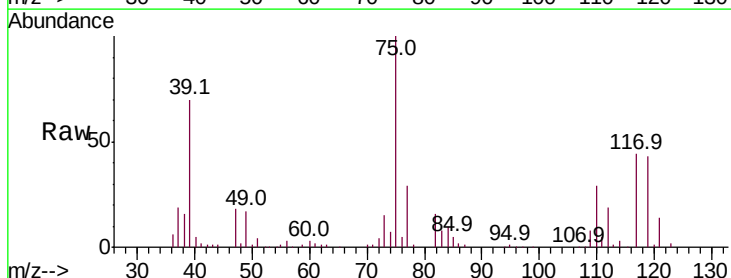
RT: 8.08 min Scan# 1013

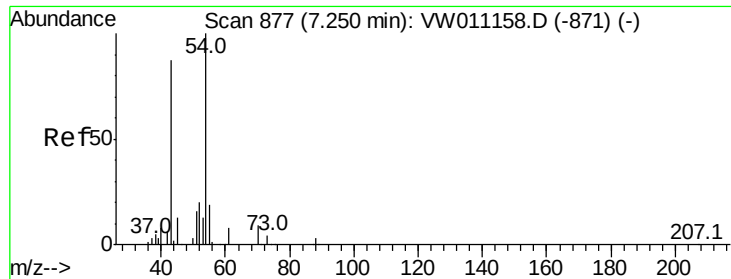
Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion:	75	Resp:	67901
Ion	Ratio	Lower	Upper
75	100		
110	31.3	15.9	47.6
77	31.1	24.6	36.8





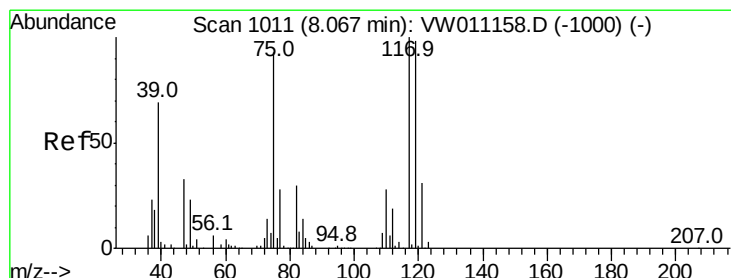
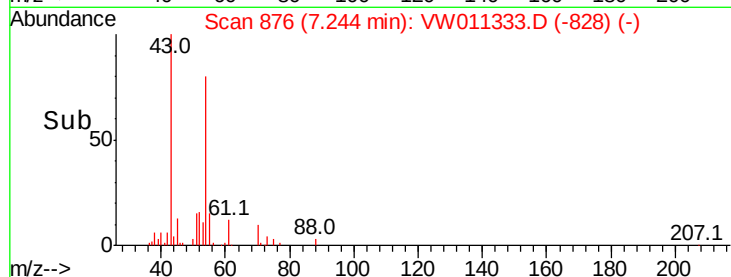
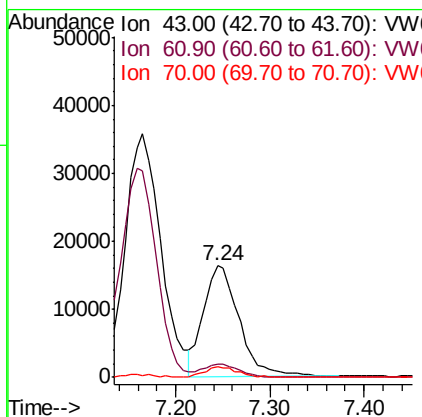
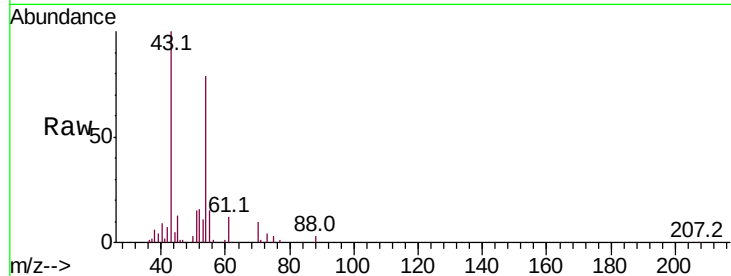
#37
Ethyl Acetate
Concen: 20.904 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.5	14.3
70	8.7	7.1	10.7

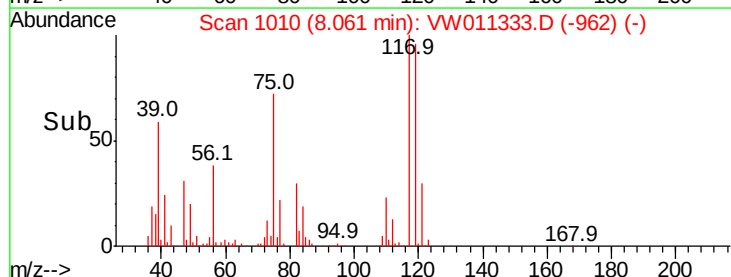
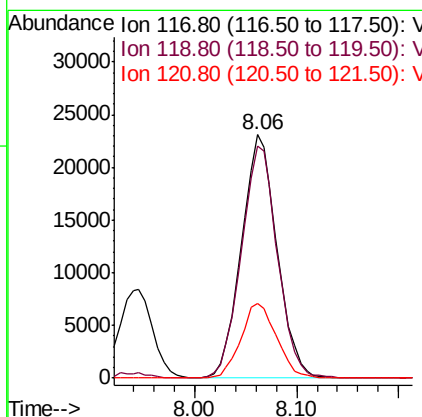
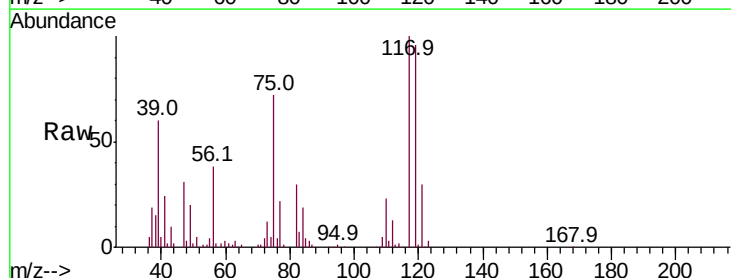
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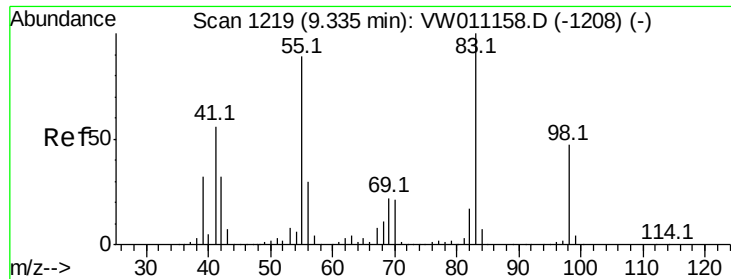
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.398 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.1	117.1
121	30.4	25.1	37.7





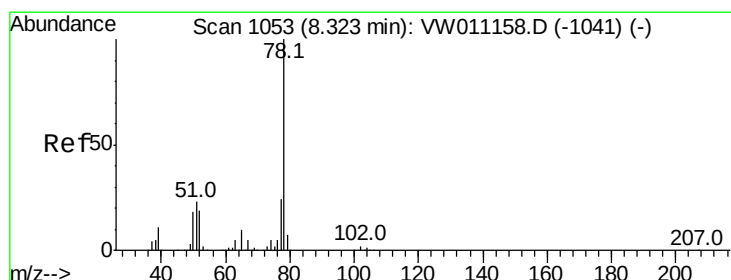
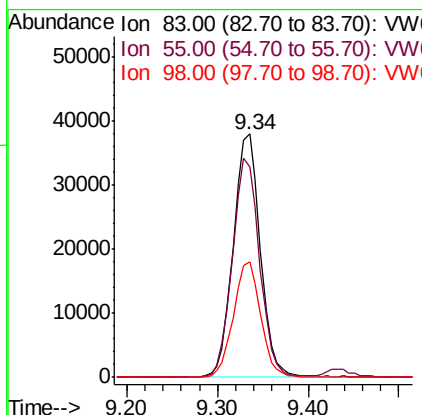
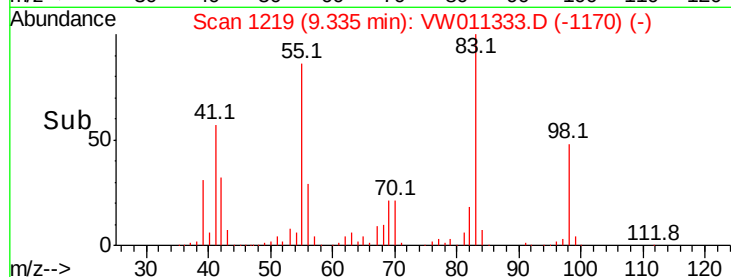
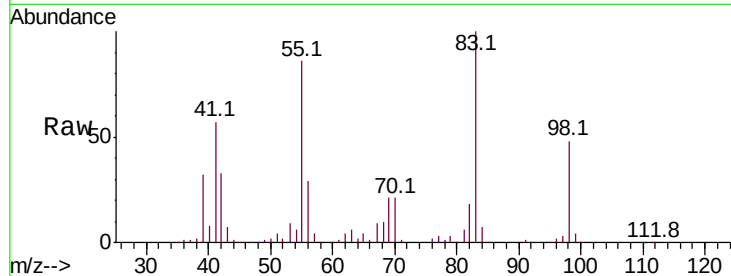
#39
Methylvlcyclohexane
Concen: 19.077 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	71.2	106.8
98	47.6	37.5	56.3

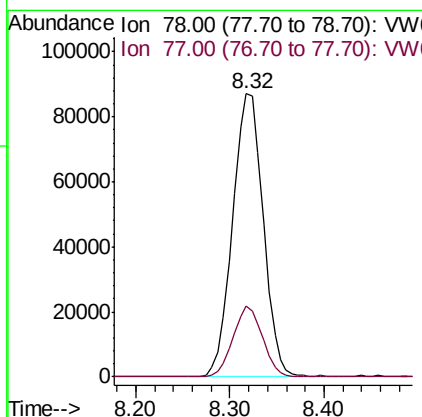
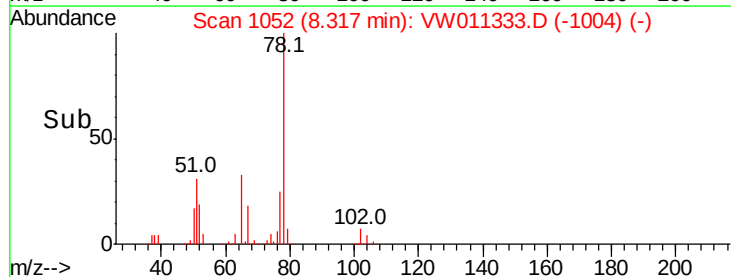
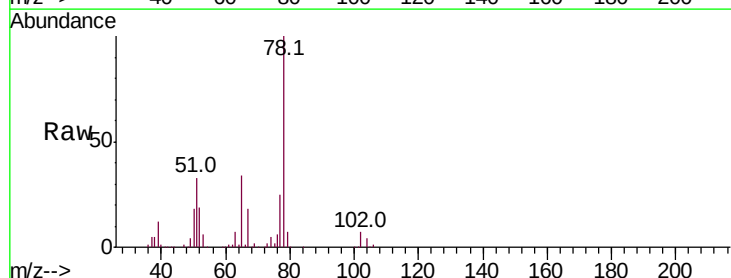
Manual Integrations
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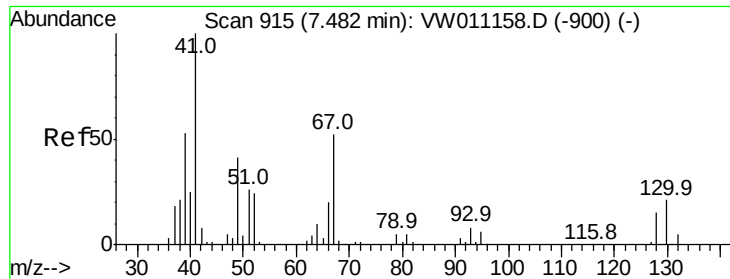
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#40
Benzene
Concen: 20.894 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6





#41

Methacrylonitrile

Concen: 19.591 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

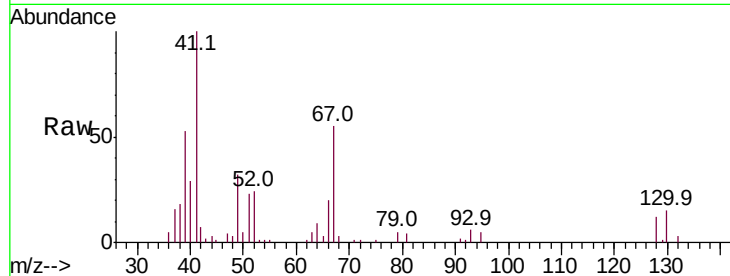
ClientSampleId :

VW0718SBS01

Tot Ion:	41	Resp:	22923
Ion Ratio	Lower	Upper	
41	100		
39	60.0	48.0	72.0
67	63.8	49.7	74.5
52	27.7	23.4	35.0

Manual Integrations
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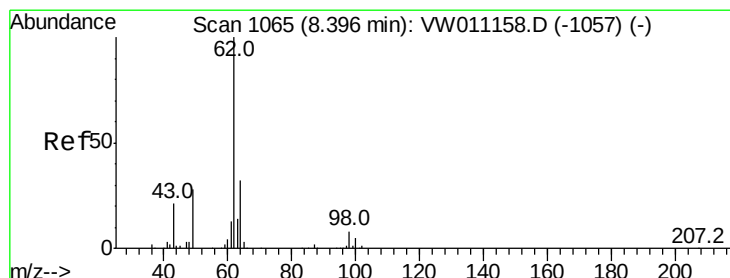
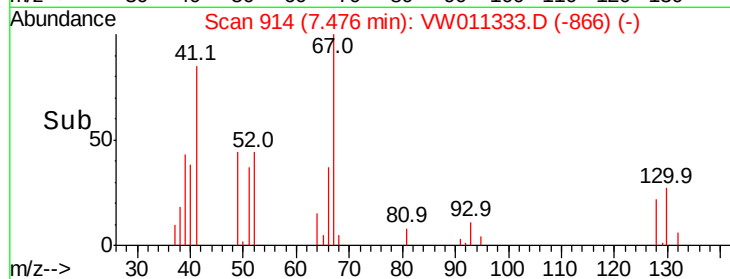
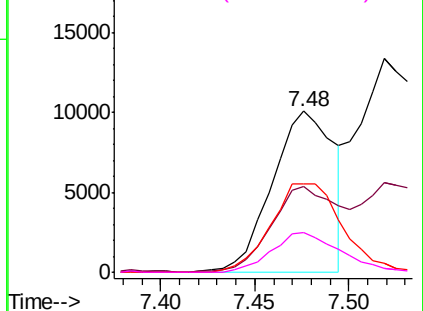
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.083 ug/l

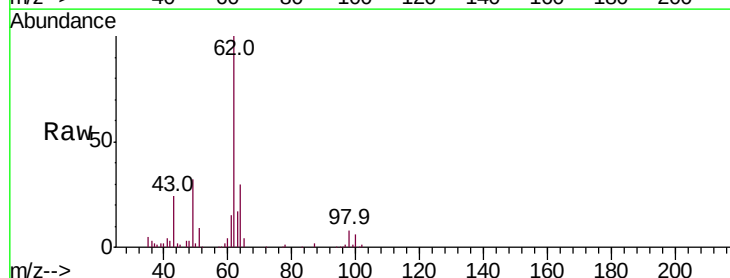
RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

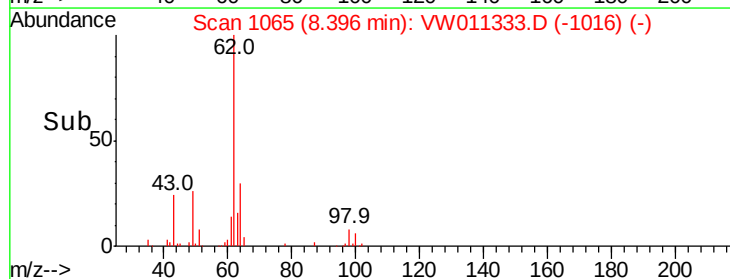
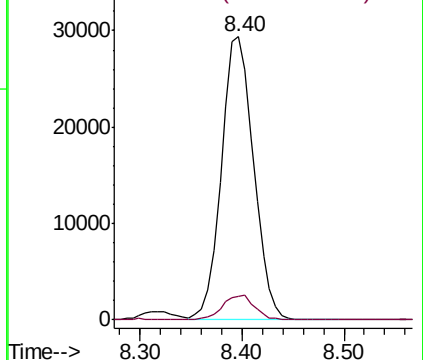
Tgt Ion:	62	Resp:	64359
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	16.8

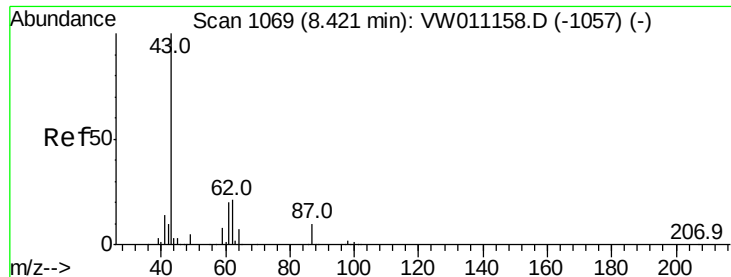


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.942 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

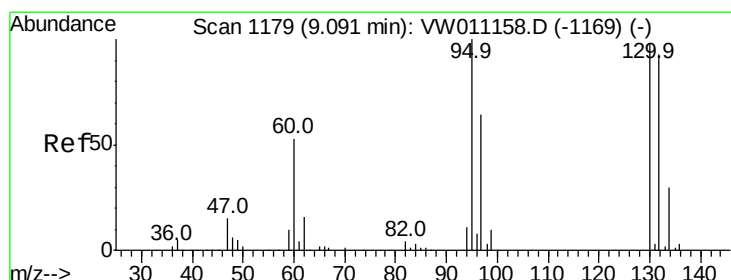
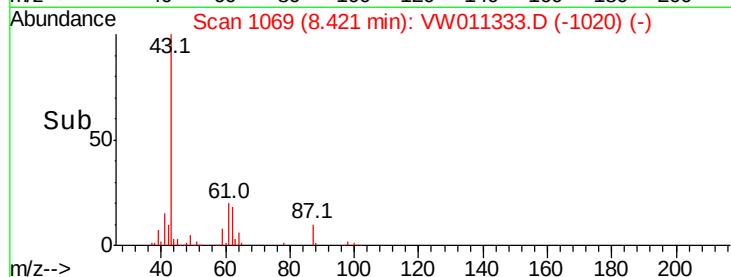
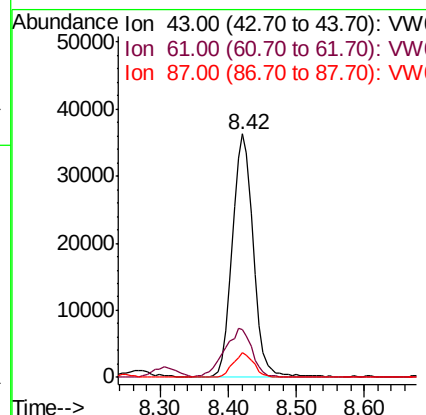
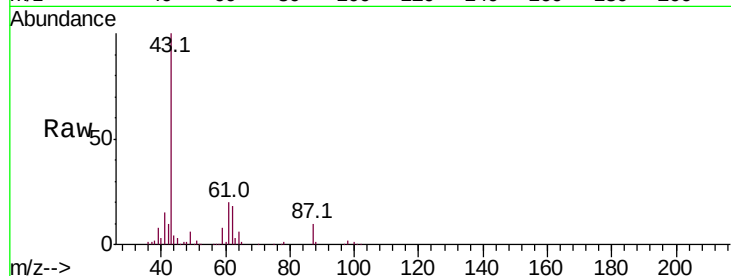
ClientSampleId :

VW0718SBS01

Tot Ion:	43	Resp:	77024
Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.7	31.1
87	9.9	8.1	12.1

Manual Integrations
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#44

Trichloroethene

Concen: 20.278 ug/l

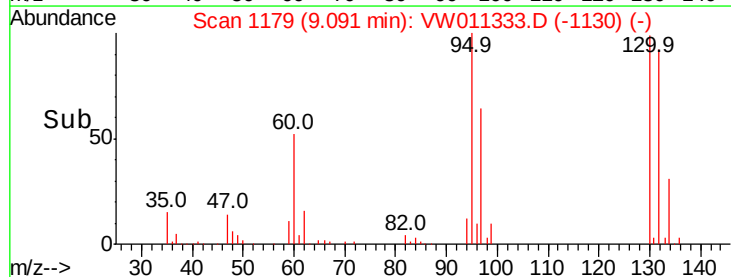
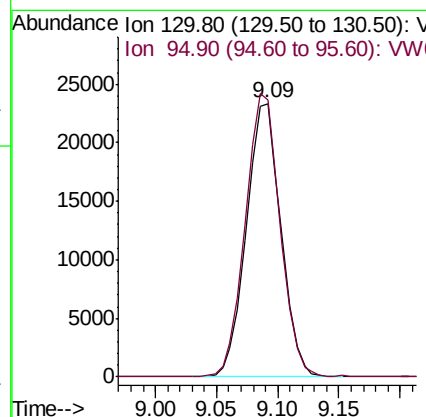
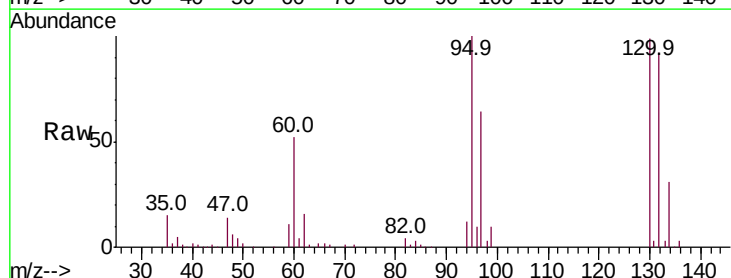
RT: 9.09 min Scan# 1179

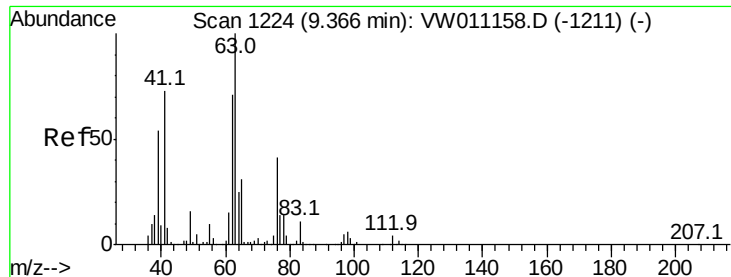
Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion:	130	Resp:	45918
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	203.6





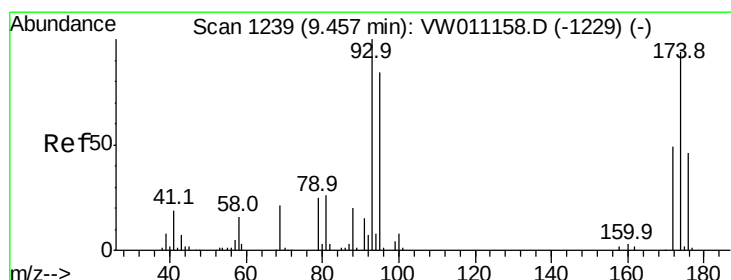
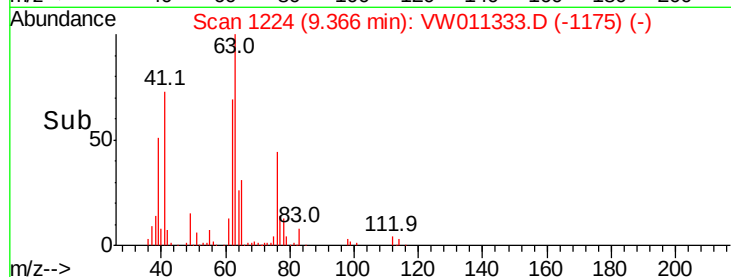
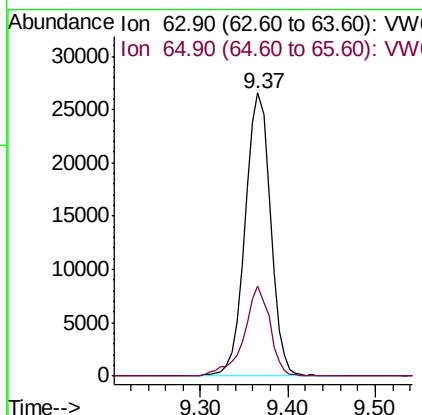
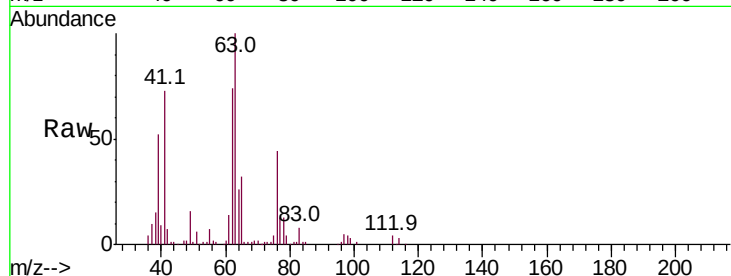
#45
 1,2-Dichloropropane
 Concen: 21.057 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.4	36.6

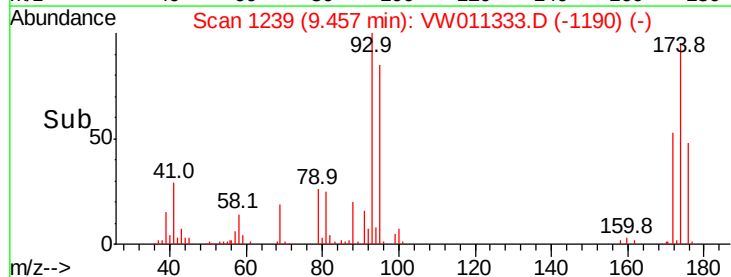
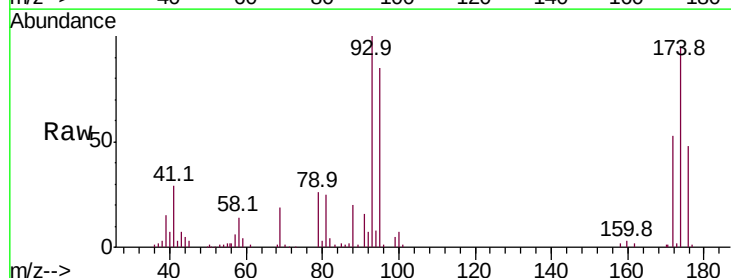
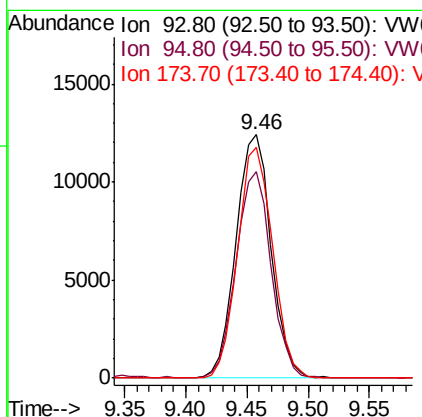
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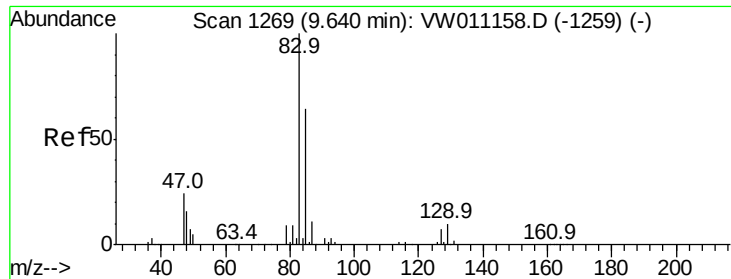
MMDadoda
 7/19/2019 9:53:58 AM



#46
 Dibromomethane
 Concen: 20.684 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	67.2	100.8
174	94.3	76.3	114.5





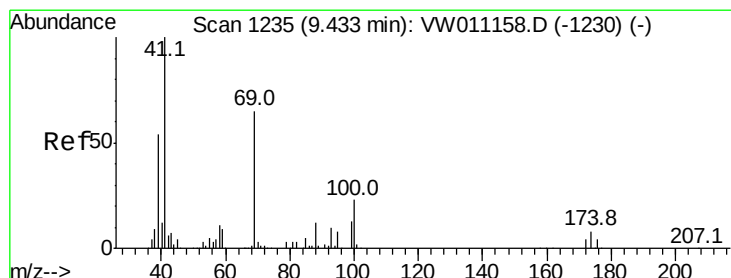
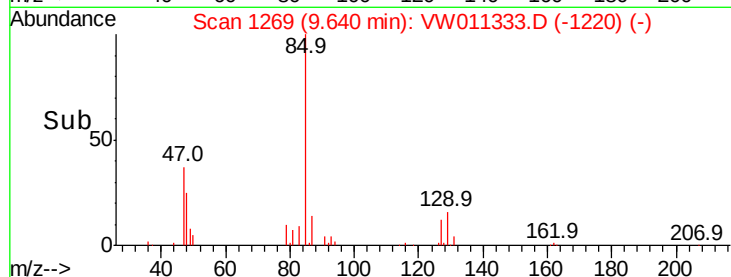
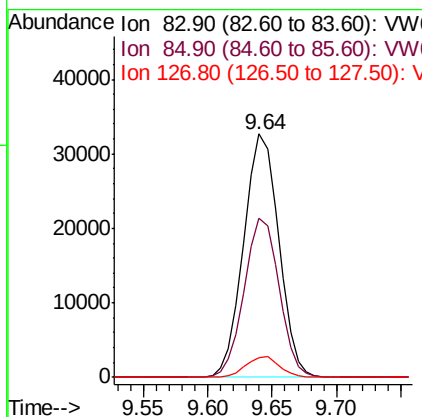
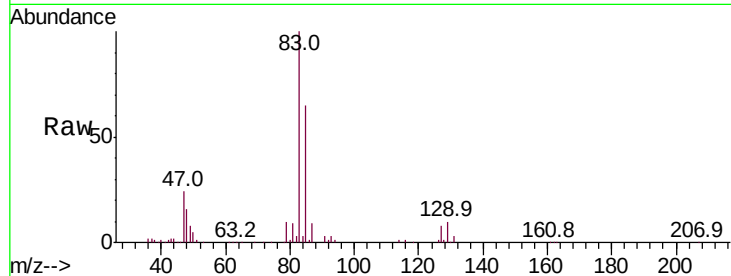
#47
Bromodichloromethane
Concen: 20.198 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	61864		
85	65.1	51.0	76.4	
127	7.9	6.0	9.0	

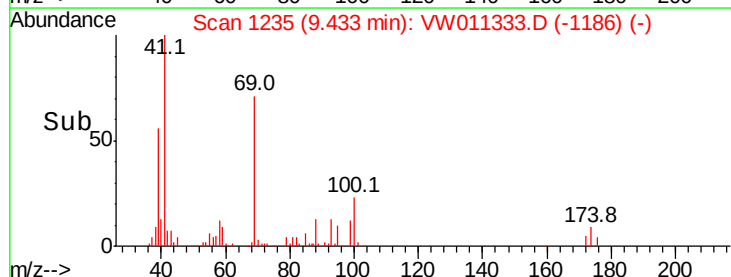
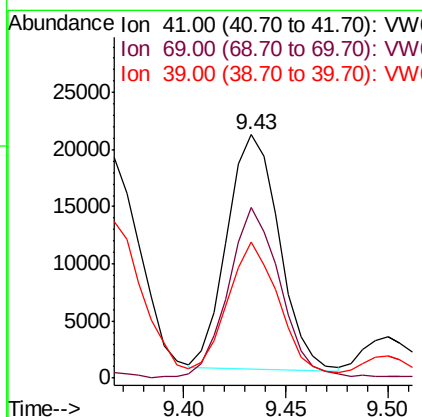
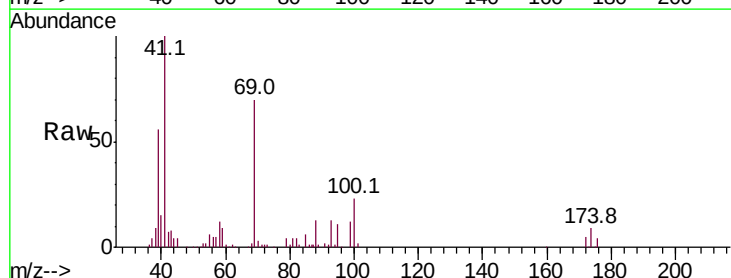
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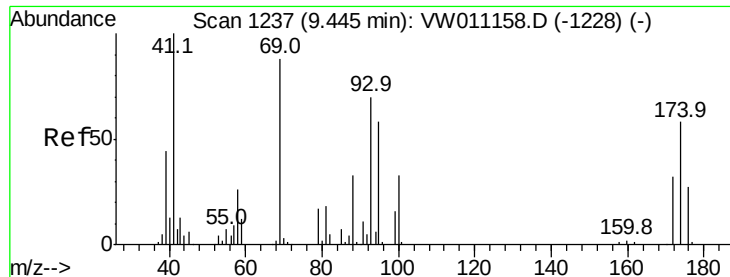
MMDadoda
7/19/2019 9:53:58 AM



#48
Methyl methacrylate
Concen: 19.543 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	36315		
69	72.2	56.0	84.0	
39	53.5	43.5	65.3	





#49

1,4-Dioxane

Concen: 410.348 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

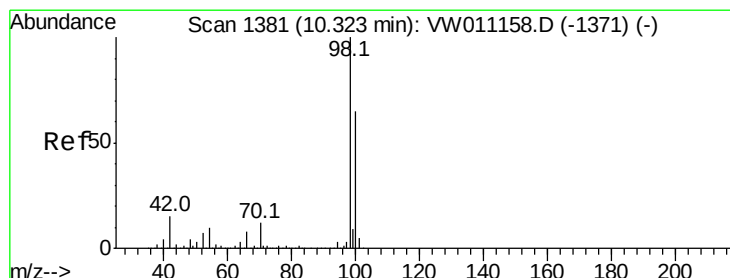
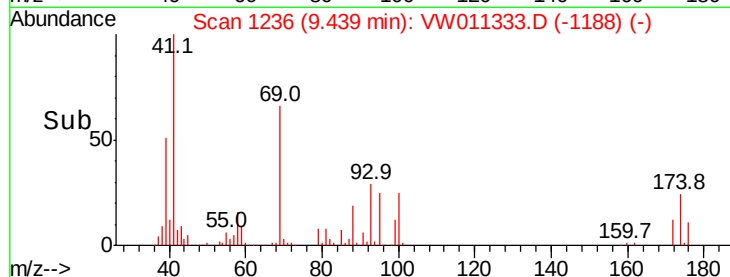
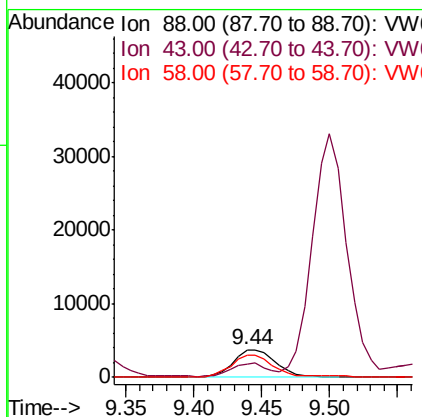
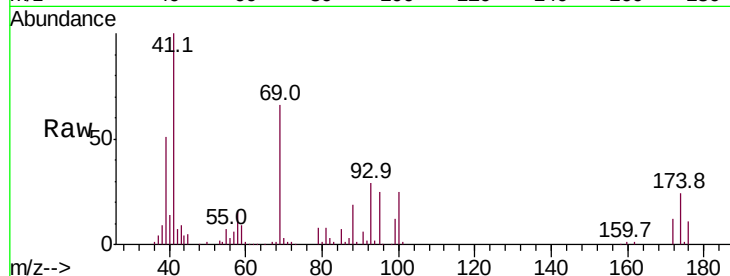
ClientSampleId :

VW0718SBS01

Tot Ion:	88	Resp:	8199
Ion	Ratio	Lower	Upper
88	100		
43	44.3	33.4	50.0
58	86.3	64.5	96.7

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#50

Toluene-d8

Concen: 49.768 ug/l

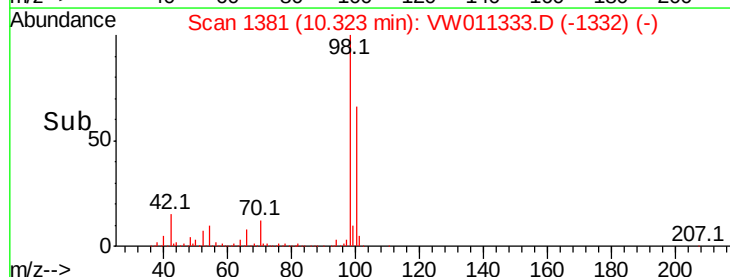
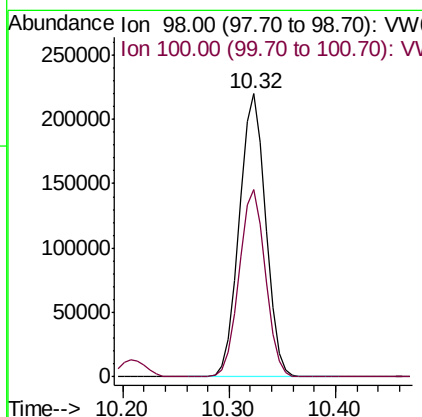
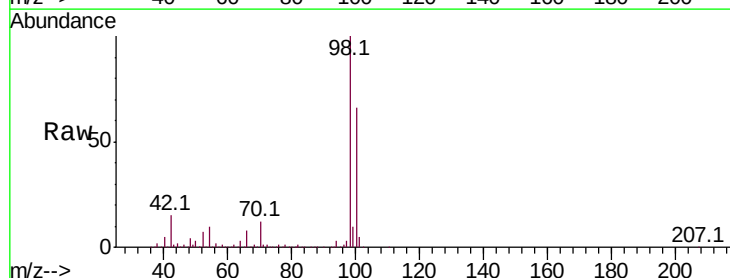
RT: 10.32 min Scan# 1381

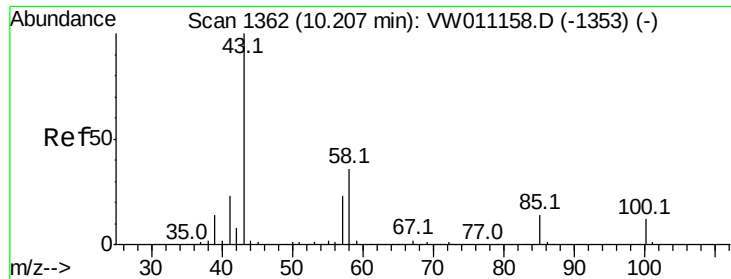
Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion:	98	Resp:	383400
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 100.500 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

Tot Ion: 43 Resp: 202775

Ion Ratio Lower Upper

43 100

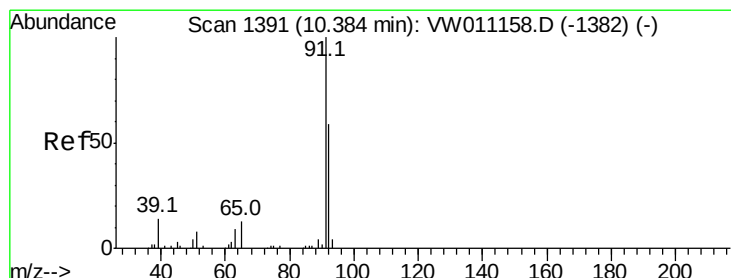
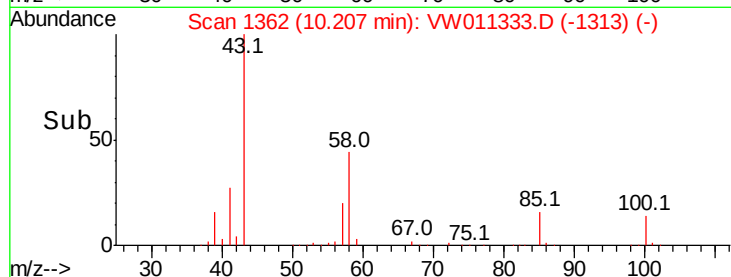
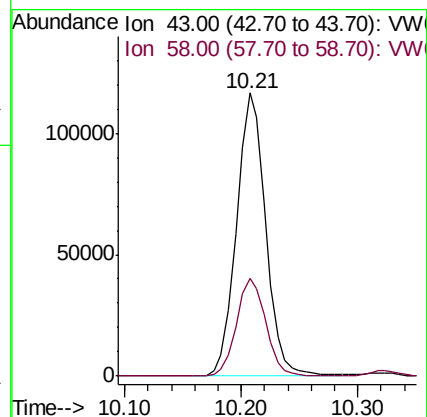
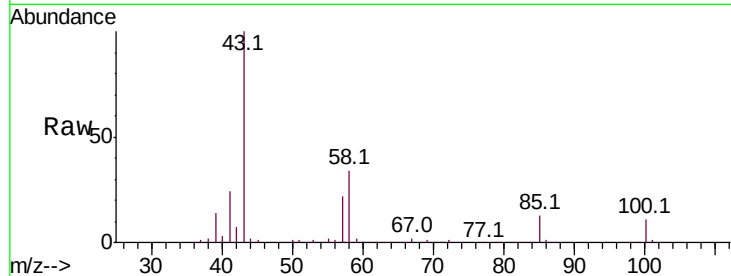
58 34.8 28.2 42.2

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#52

Toluene

Concen: 20.937 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011333.D

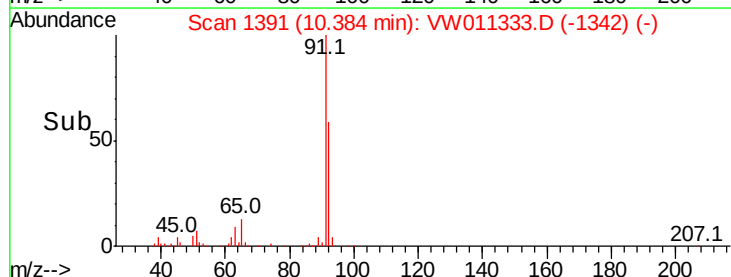
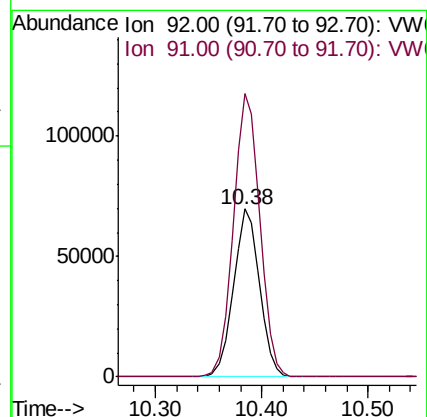
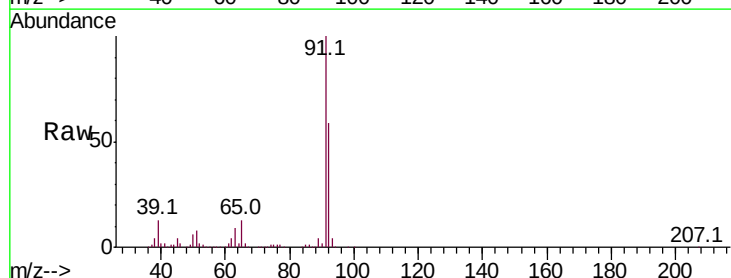
Acq: 18 Jul 2019 14:55

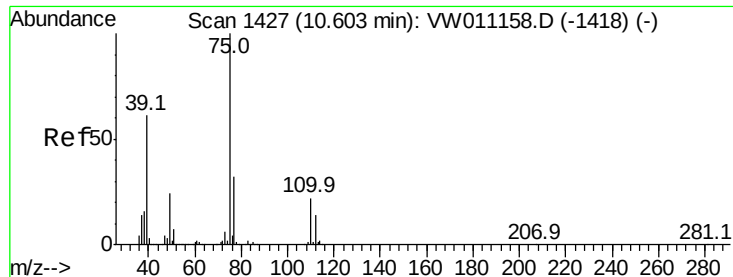
Tgt Ion: 92 Resp: 119516

Ion Ratio Lower Upper

92 100

91 171.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.354 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W

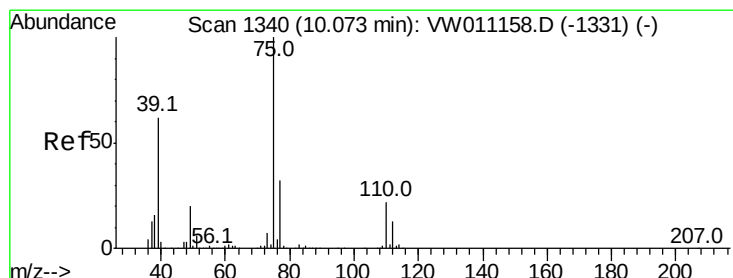
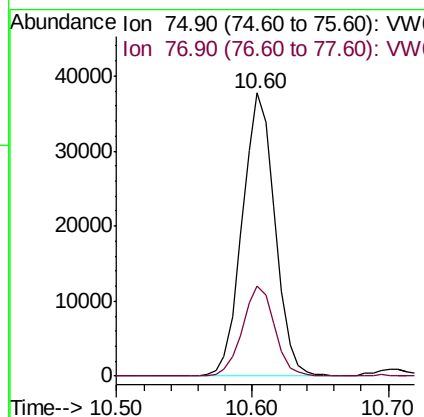
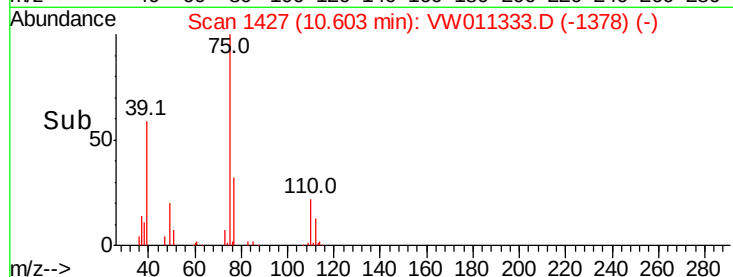
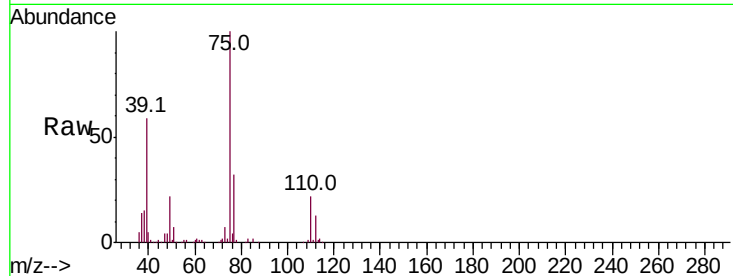
ClientSampleId :
VW0718SBS01

Tot Ion: 75 Resp: 63098

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

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#54

cis-1,3-Dichloropropene

Concen: 19.776 ug/l

RT: 10.07 min Scan# 1340

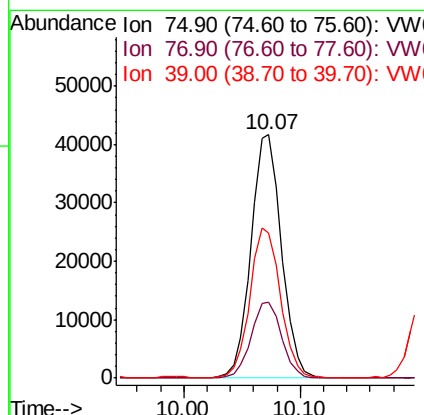
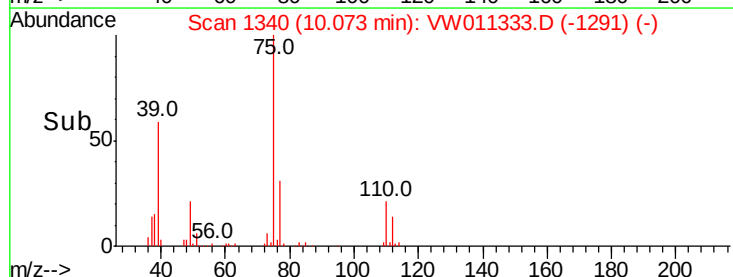
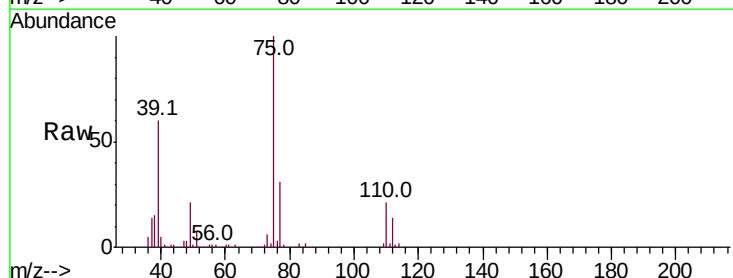
Delta R.T. 0.00 min

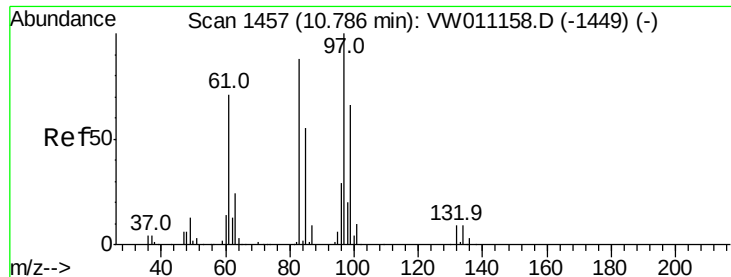
Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion: 75 Resp: 75888

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.7	38.5
39	59.5	49.8	74.8





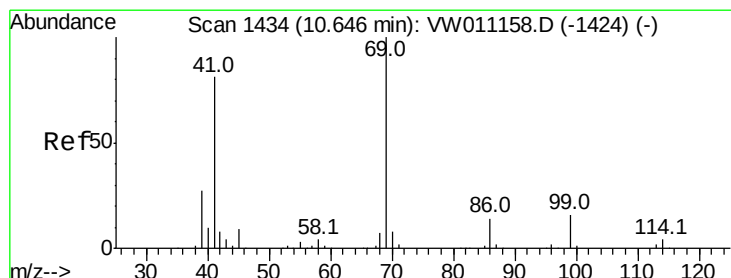
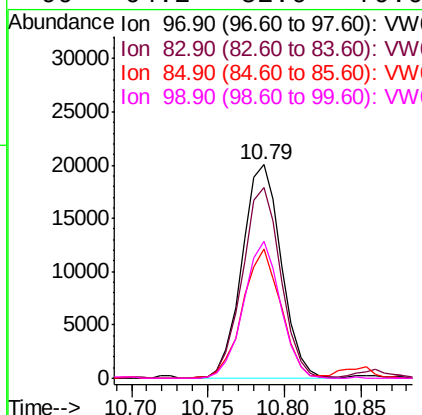
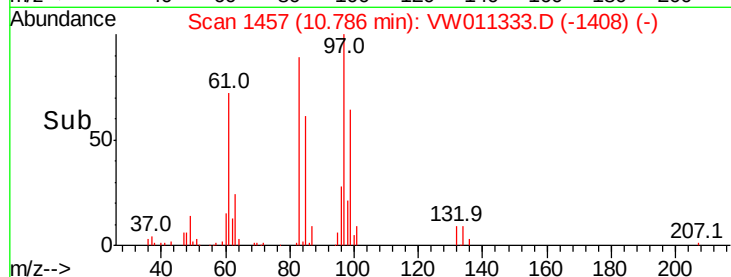
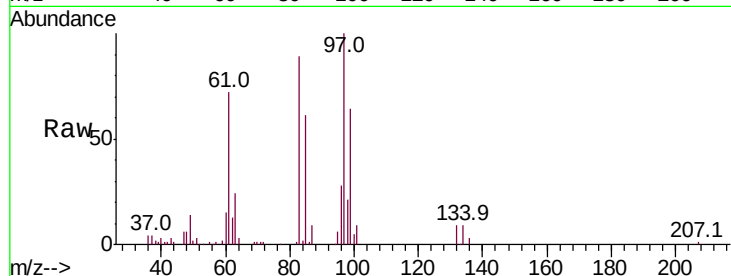
#55
 1,1,2-Trichloroethane
 Concen: 21.008 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

Tot Ion	97	Resp	35676
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.2	105.4
85	60.7	44.2	66.2
99	64.2	52.6	79.0

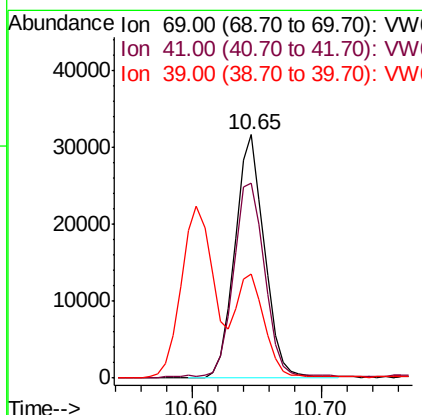
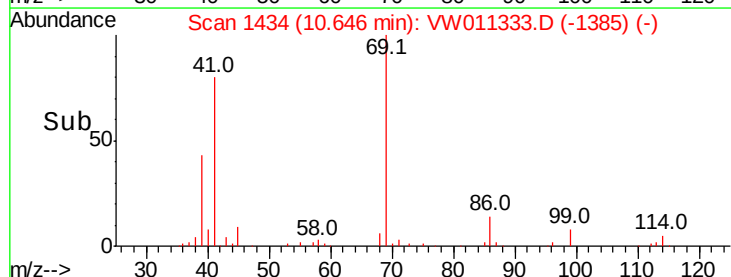
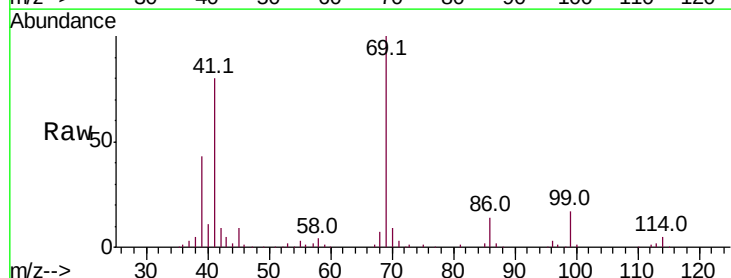
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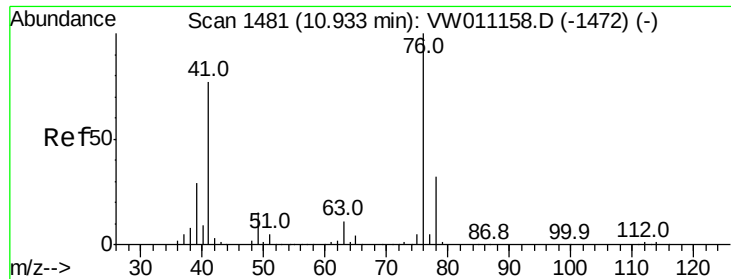
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 7/19/2019 9:53:58 AM



#56
 Ethyl methacrylate
 Concen: 19.469 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion	69	Resp	50335
Ion	Ratio	Lower	Upper
69	100		
41	86.3	66.5	99.7
39	40.7	32.5	48.7





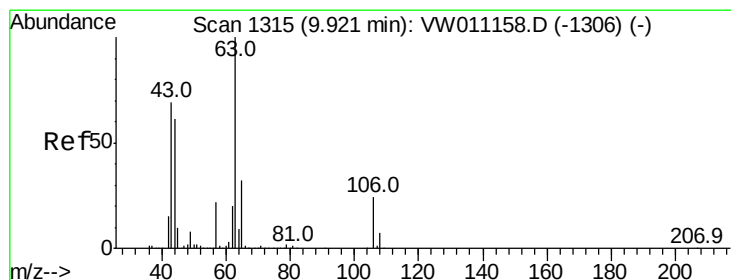
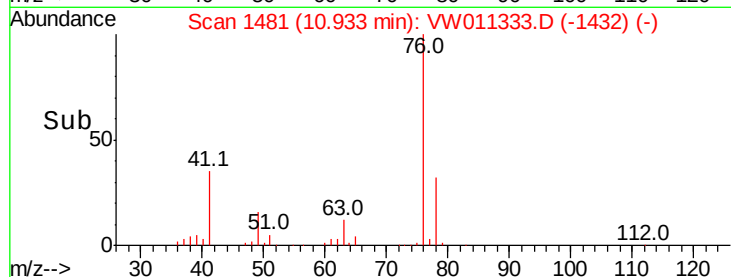
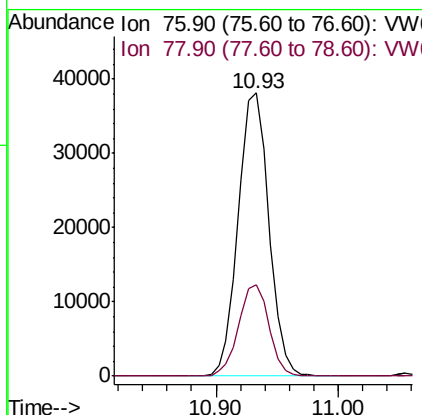
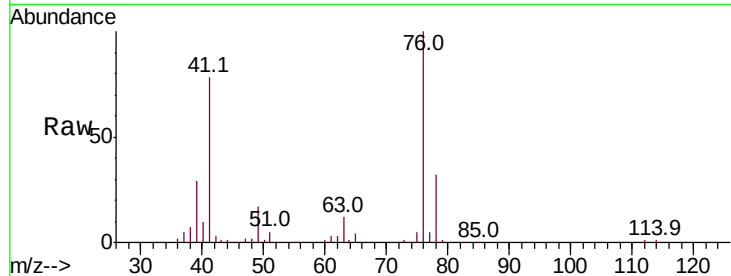
#57
 1,3-Dichloropropane
 Concen: 20.733 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBSD01

Tot Ion: 76 Resp: 66580
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2

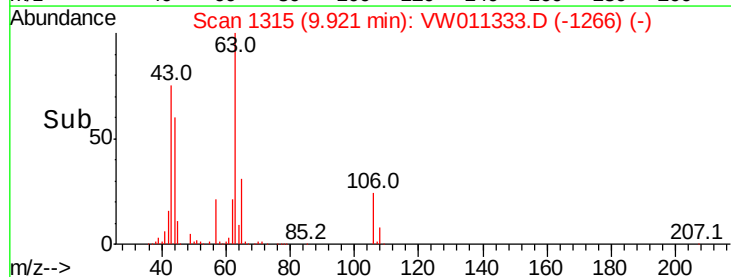
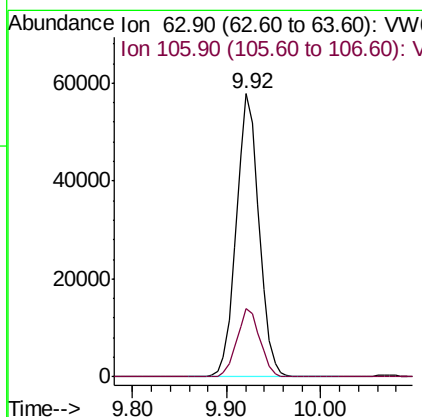
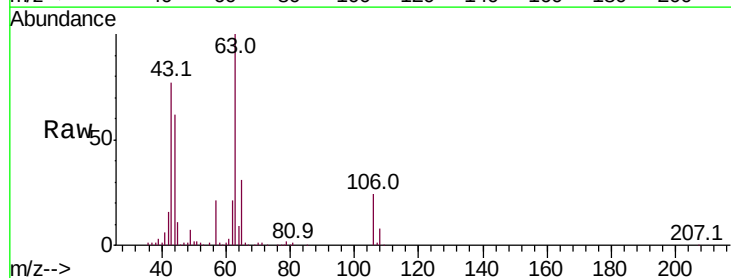
Manual Integrations
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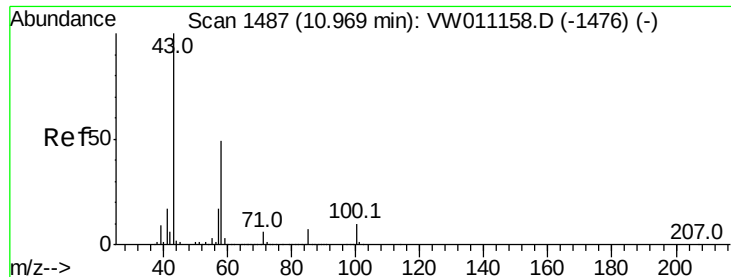
MMDadoda
 7/19/2019 9:53:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.479 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion: 63 Resp: 96463
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0





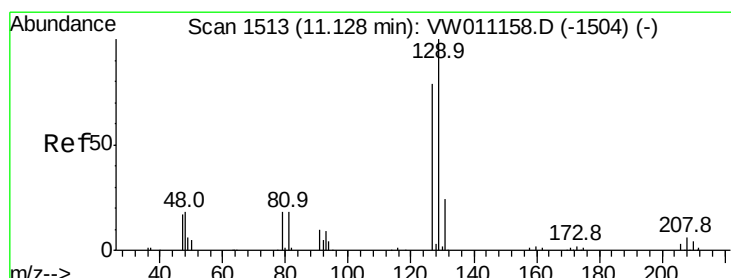
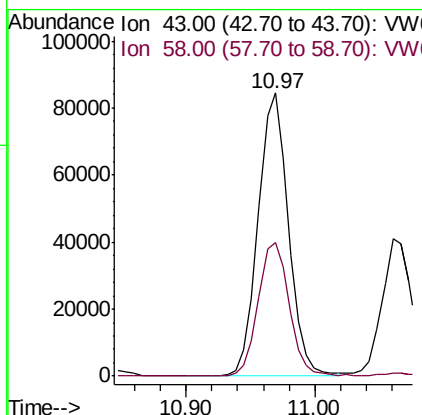
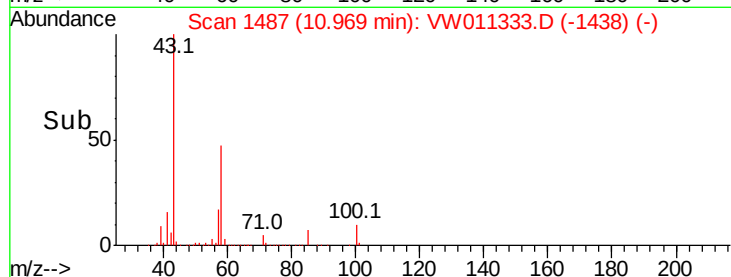
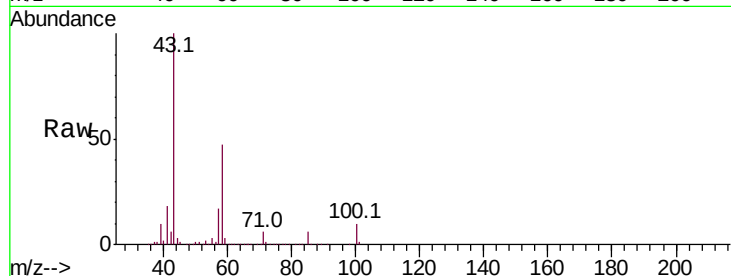
#59
2-Hexanone
Concen: 98.229 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion: 43 Resp: 137447
Ion Ratio Lower Upper
43 100
58 48.3 24.4 73.4

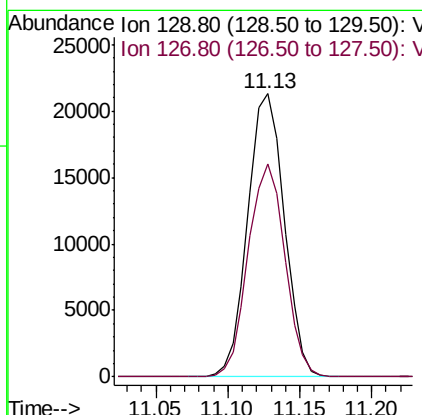
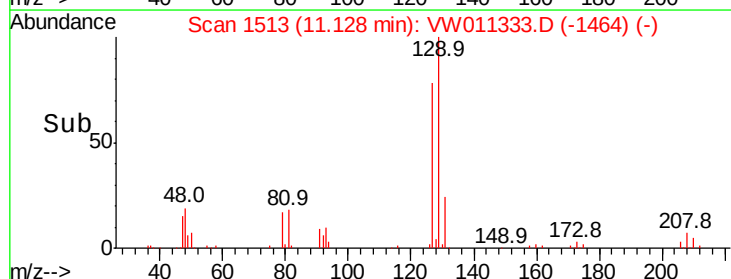
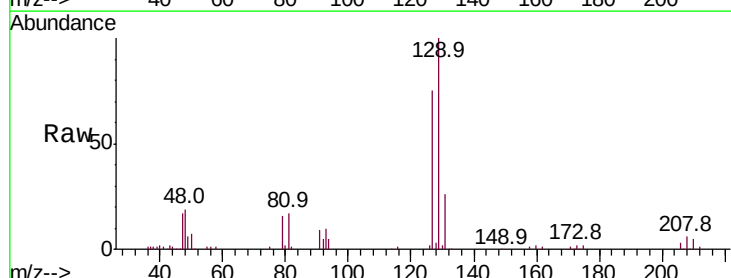
Manual Integrations
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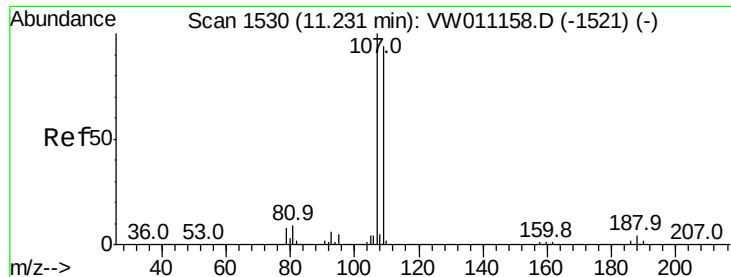
MMDadoda
7/19/2019 9:53:58 AM



#60
Dibromochloromethane
Concen: 20.129 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 129 Resp: 37484
Ion Ratio Lower Upper
129 100
127 75.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.413 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

Tot Ion:107 Resp: 32836

Ion Ratio Lower Upper

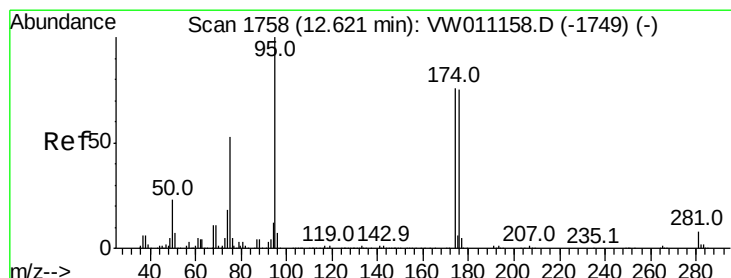
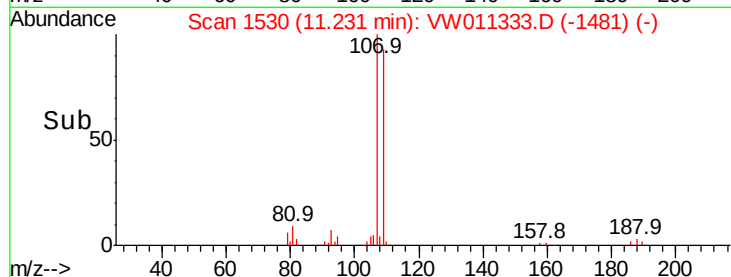
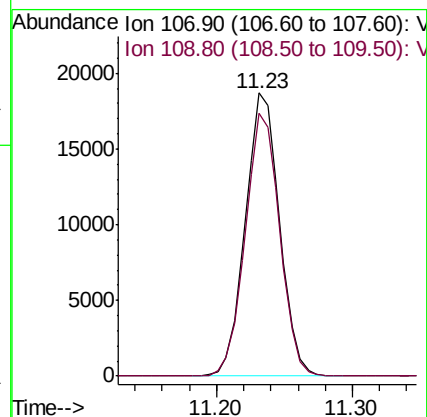
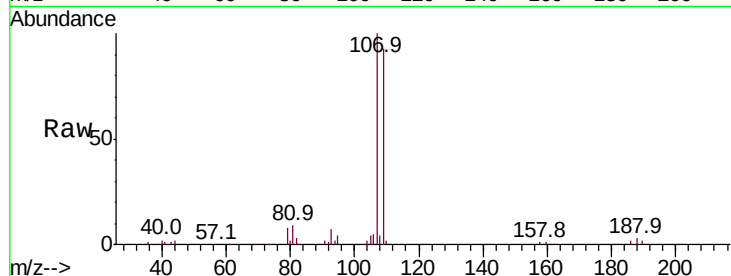
107 100

109 93.4 75.2 112.8

Manual Integrations
APPROVED

MMDadoda

7/19/2019 9:53:58 AM



#62

4-Bromofluorobenzene

Concen: 50.327 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

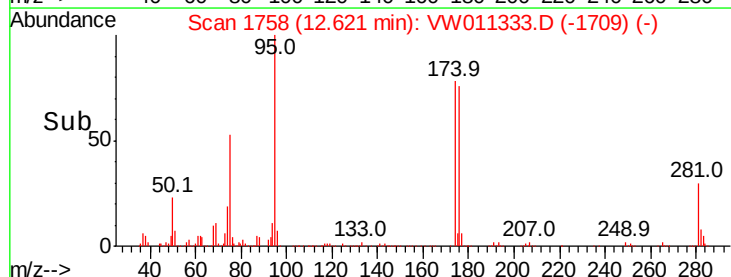
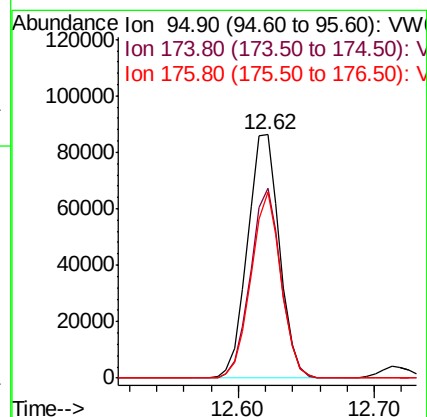
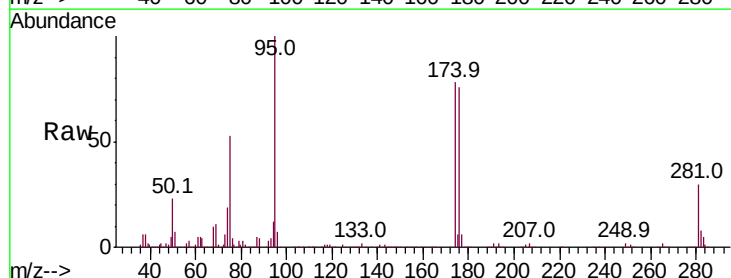
Tgt Ion: 95 Resp: 142108

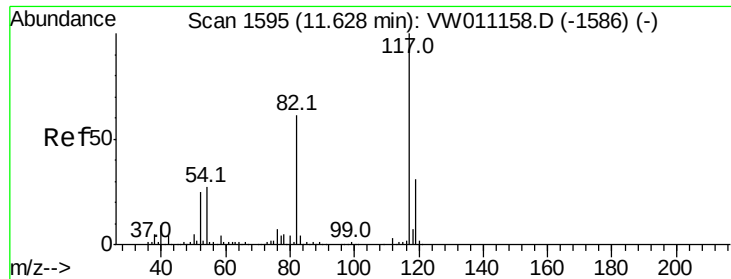
Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.6

176 71.6 0.0 144.6





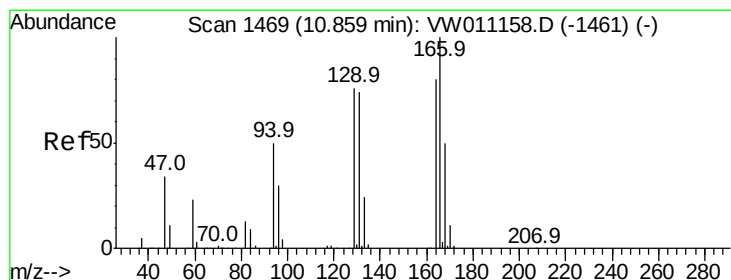
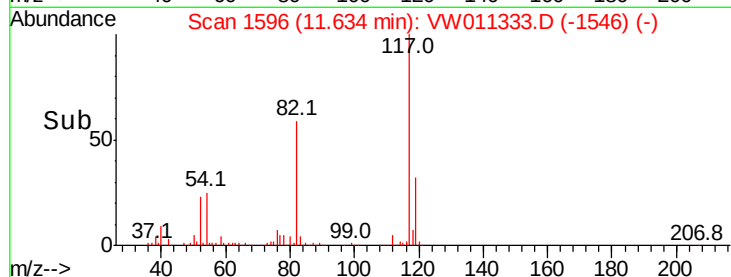
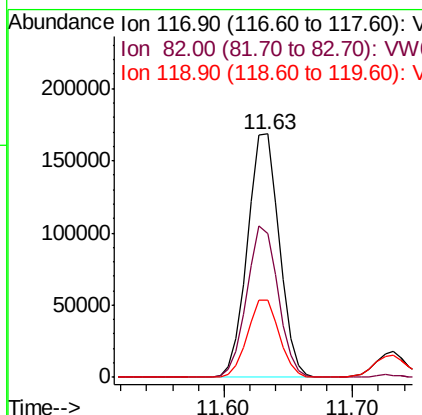
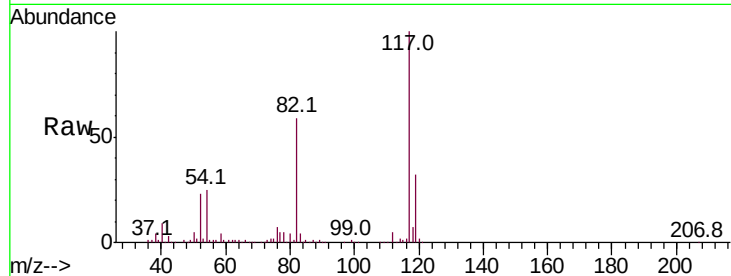
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	287441		
82	58.9	48.9	73.3	
119	31.6	25.0	37.6	

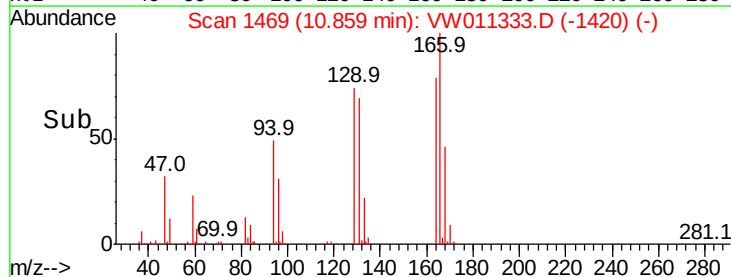
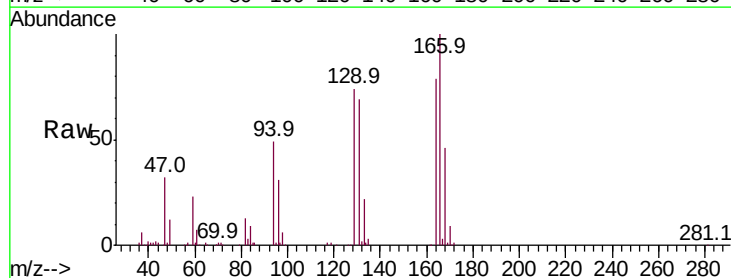
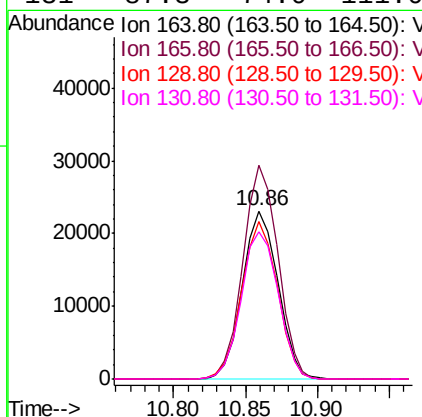
Manual Integrations
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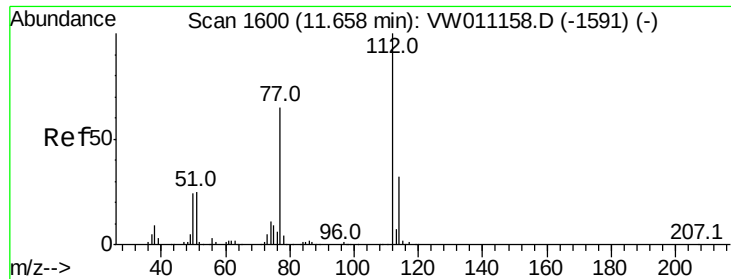
MMDadoda
7/19/2019 9:53:58 AM



#64
Tetrachloroethene
Concen: 20.375 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39519		
166	126.9	99.7	149.5	
129	93.4	76.2	114.2	
131	87.3	74.0	111.0	





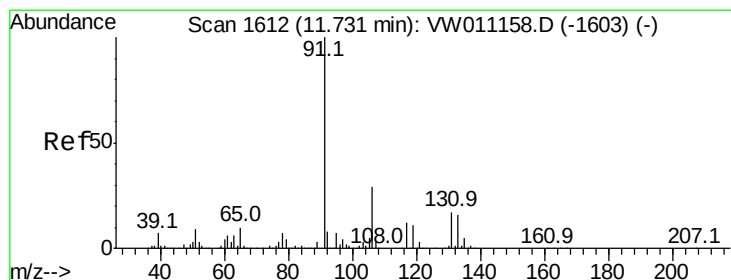
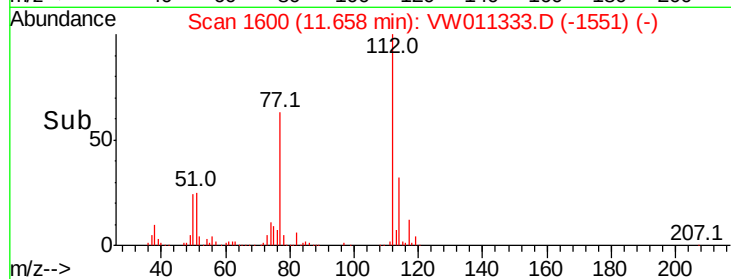
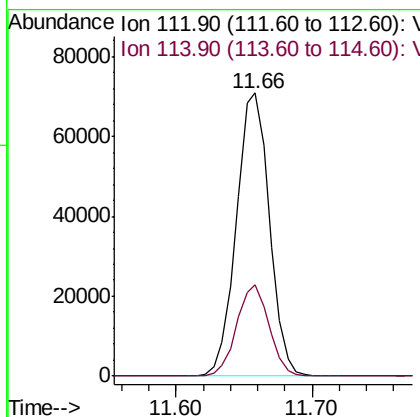
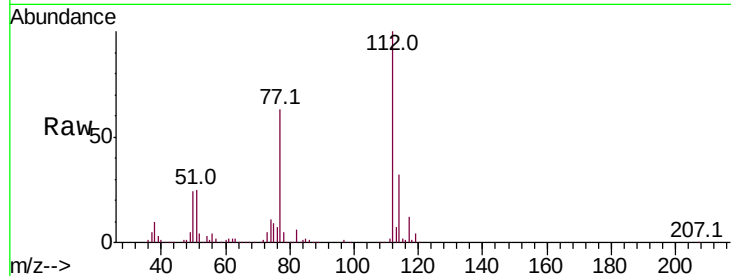
#65
Chlorobenzene
Concen: 20.527 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.5	38.3

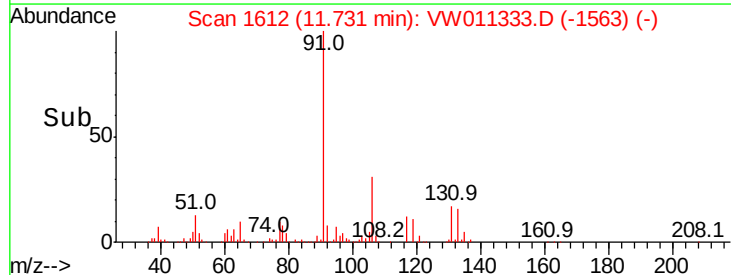
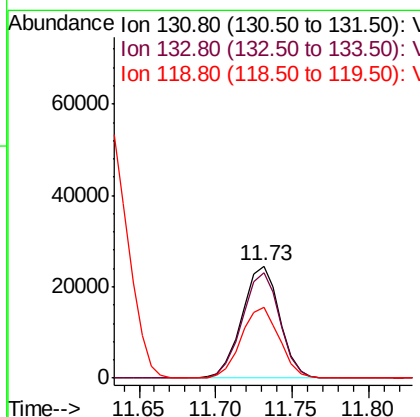
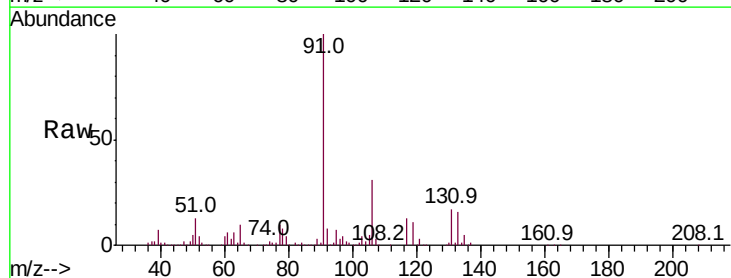
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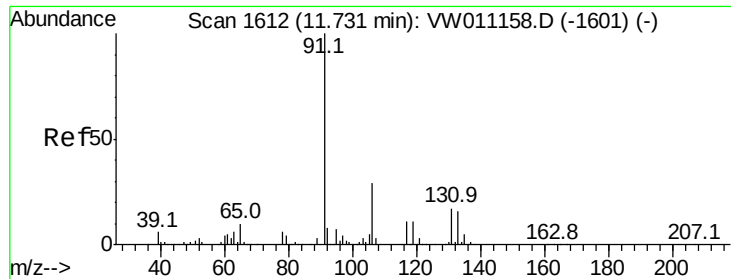
MMDadoda
7/19/2019 9:53:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.295 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.9	143.8
119	64.2	33.1	99.2





#67

Ethyl Benzene

Concen: 20.219 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

Tot Ion: 91 Resp: 226200

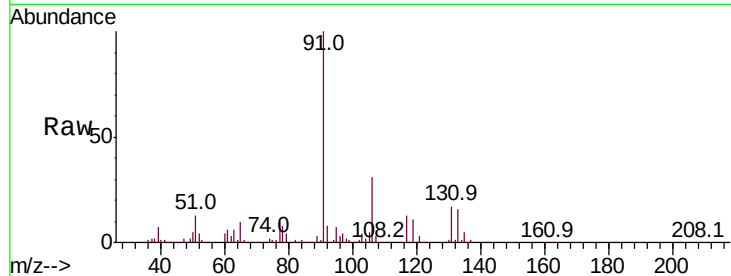
Ion Ratio Lower Upper

91 100

106 30.7 23.5 35.3

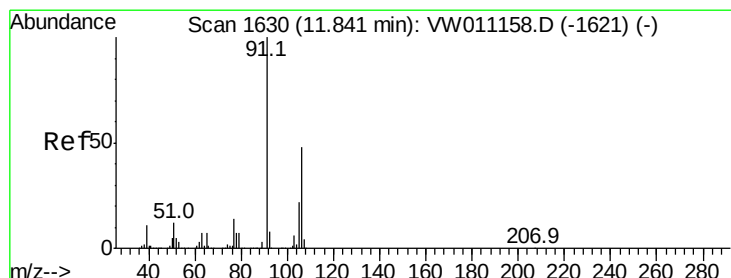
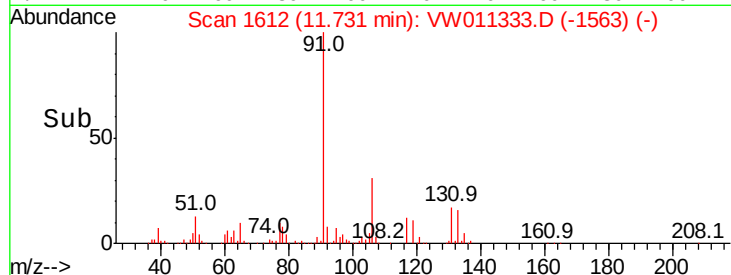
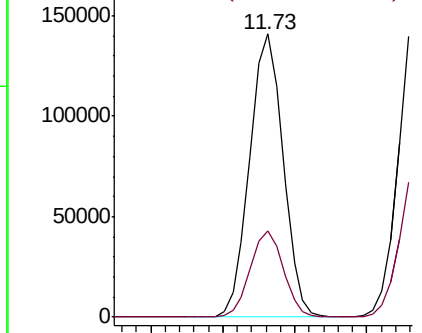
Manual Integrations
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7/19/2019 9:53:58 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.661 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011333.D

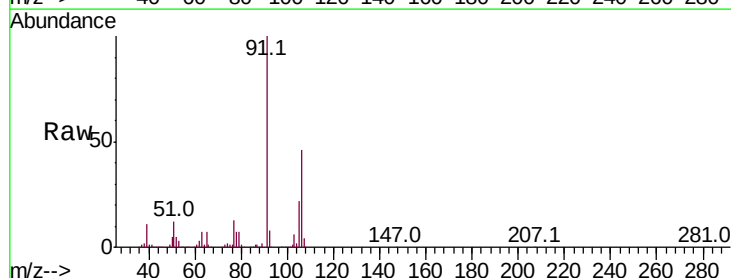
Acq: 18 Jul 2019 14:55

Tgt Ion: 106 Resp: 164602

Ion Ratio Lower Upper

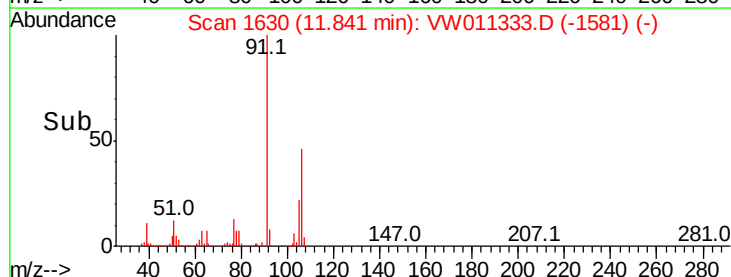
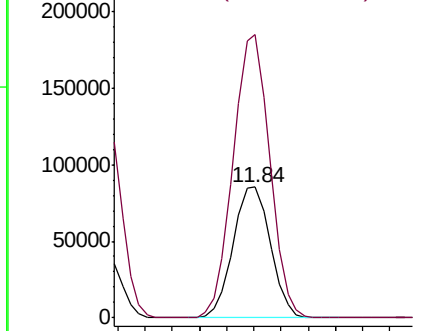
106 100

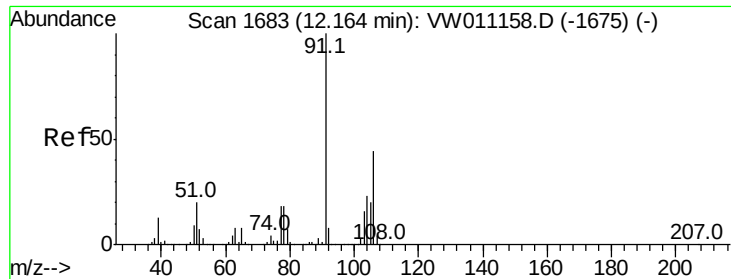
91 211.1 167.7 251.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





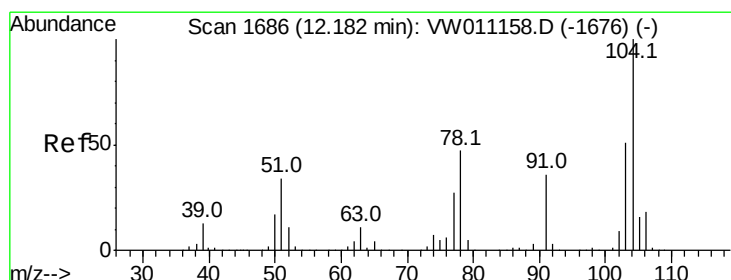
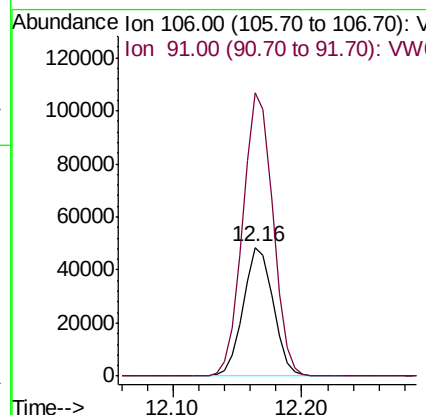
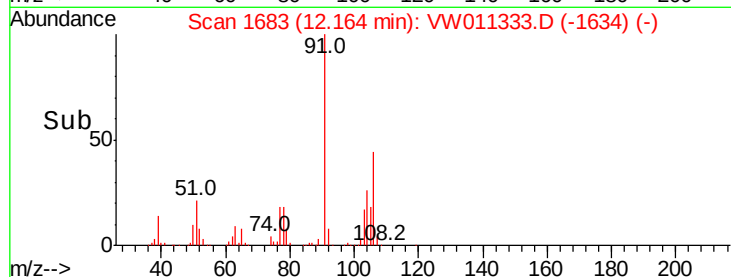
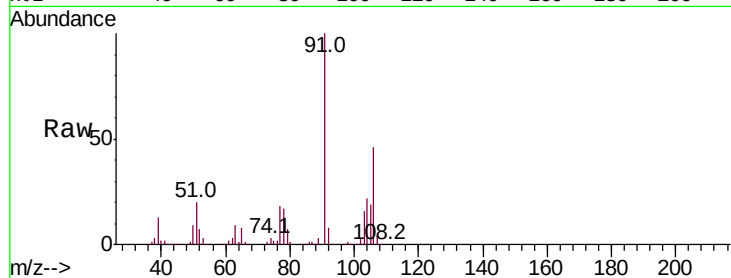
#69
o-Xylene
Concen: 20.445 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion:106 Resp: 78007
Ion Ratio Lower Upper
106 100
91 221.3 110.7 332.1

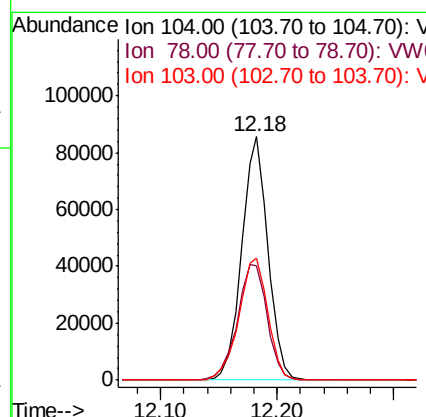
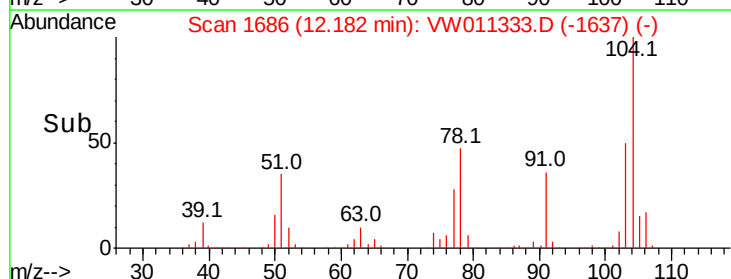
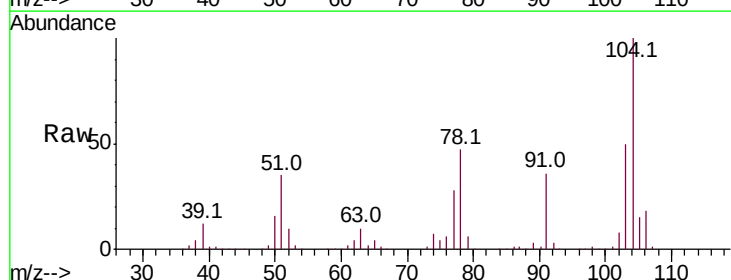
Manual Integrations
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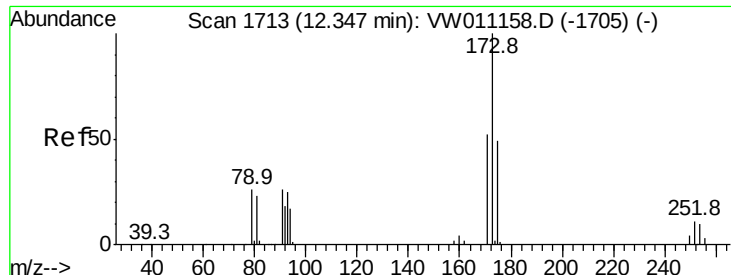
MMDadoda
7/19/2019 9:53:58 AM



#70
Styrene
Concen: 20.384 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion:104 Resp: 134222
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 55.6 44.1 66.1





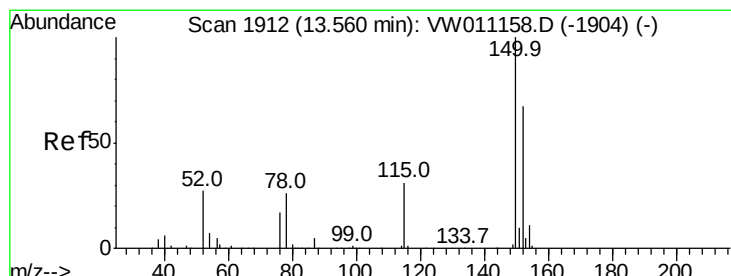
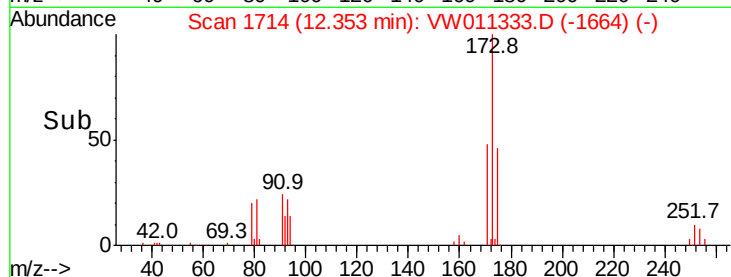
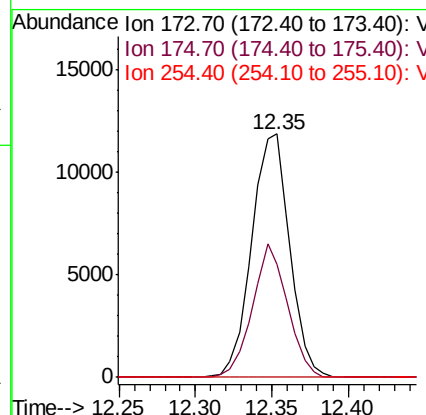
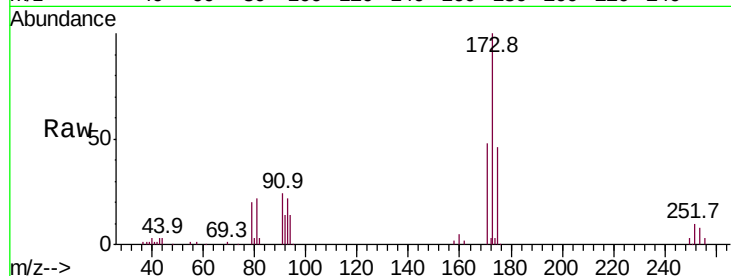
#71
Bromoform
Concen: 18.708 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.8	74.3
254	0.0	0.0	0.0

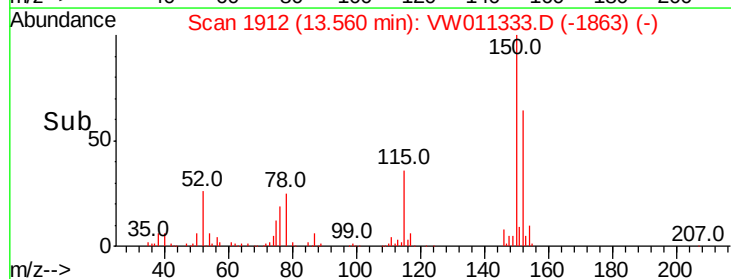
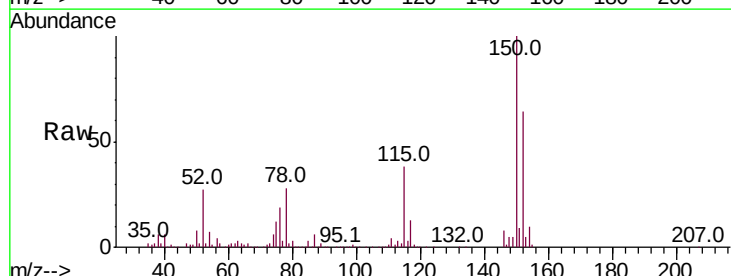
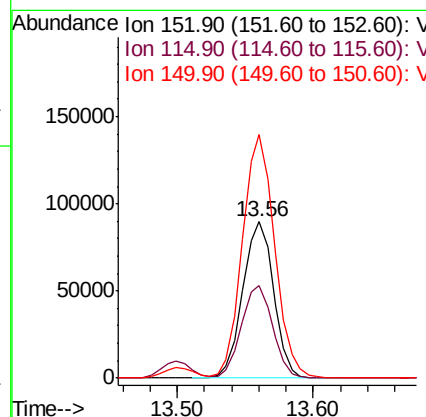
Manual Integrations
APPROVED

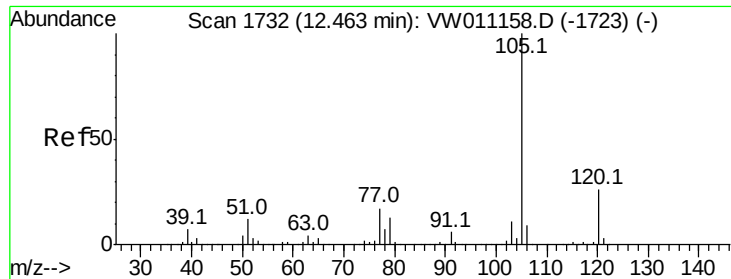
MMDadoda
7/19/2019 9:53:58 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.3
150	162.7	0.0	346.0





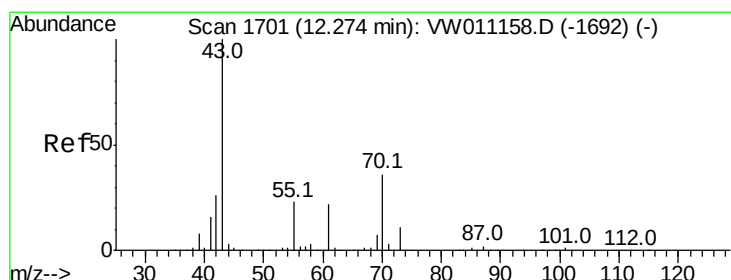
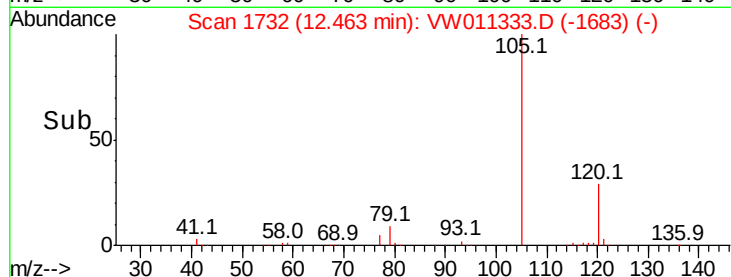
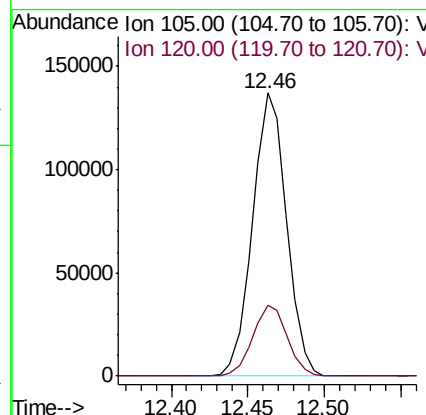
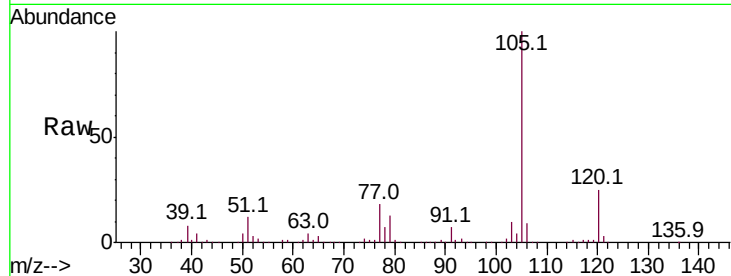
#73
Isopropylbenzene
Concen: 19.851 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3

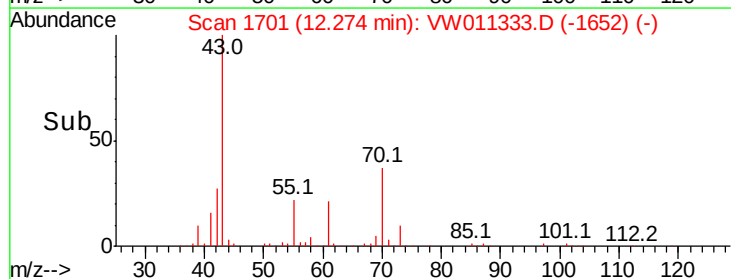
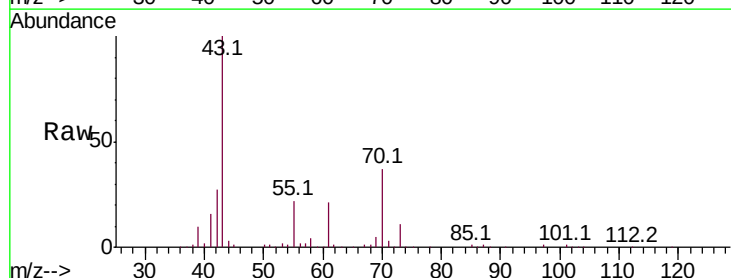
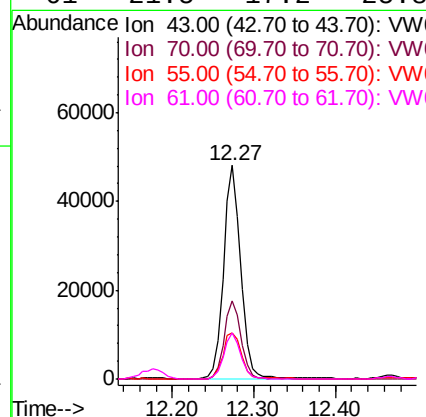
Manual Integrations
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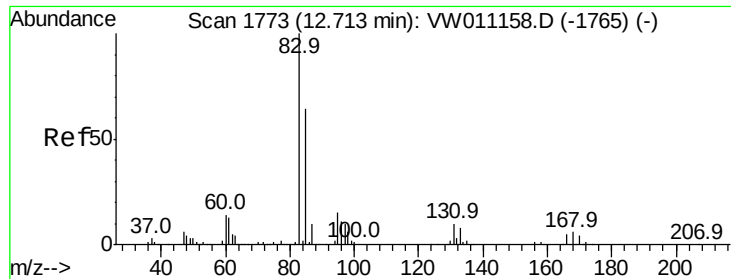
MMDadoda
7/19/2019 9:53:58 AM



#74
N-ethyl acetate
Concen: 19.084 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.1	28.5	42.7
55	23.6	18.1	27.1
61	21.5	17.2	25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.486 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

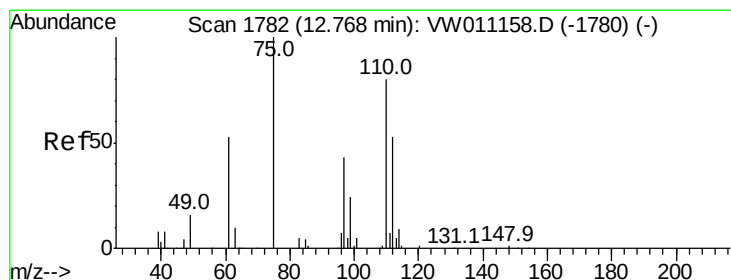
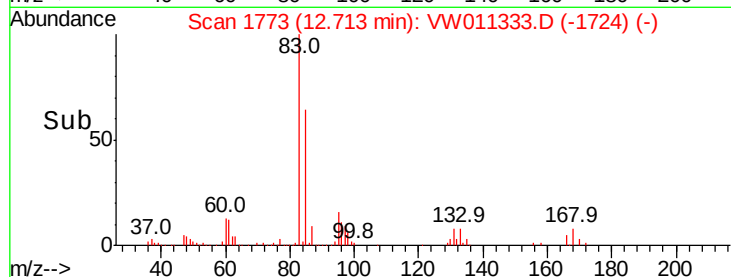
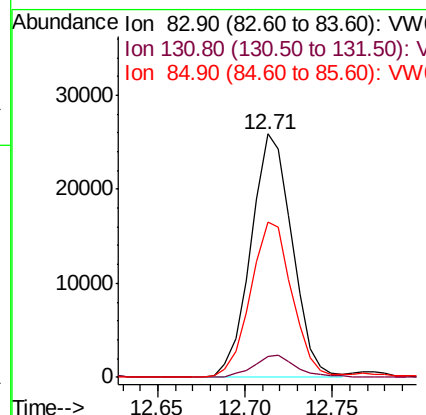
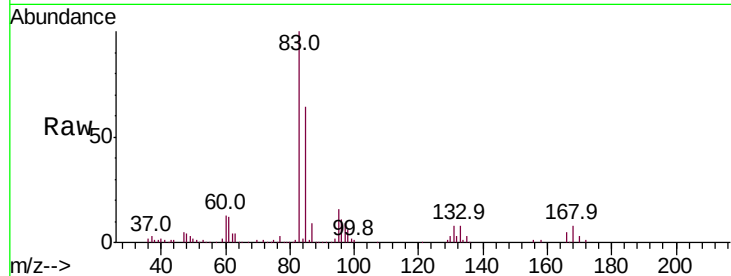
ClientSampleId :

VW0718SBS01

Tot Ion:	83	Resp:	42570
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	15.0
85	64.2	31.6	94.8

Manual Integrations
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7/19/2019 9:53:58 AM



#76

1,2,3-Trichloropropane

Concen: 19.010 ug/l m

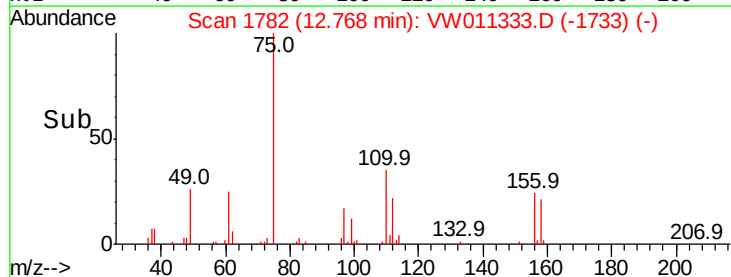
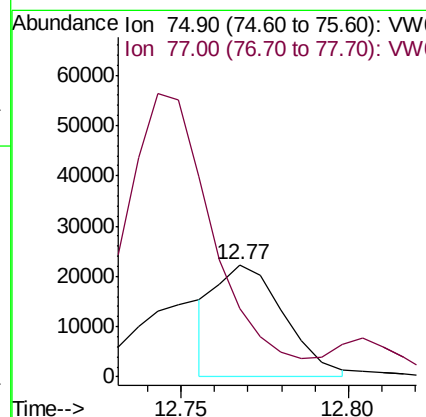
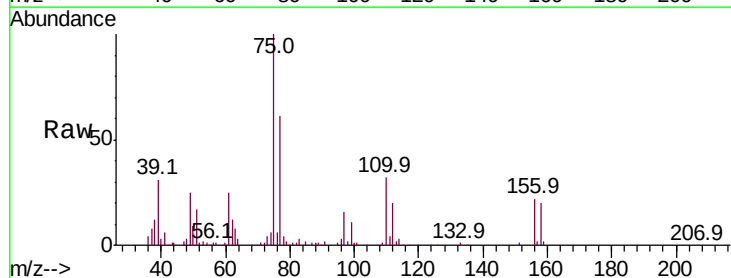
RT: 12.77 min Scan# 1782

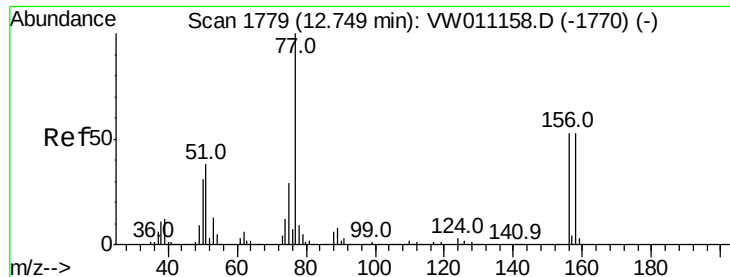
Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion:	75	Resp:	31320
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.445 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

Tot Ion:156 Resp: 48899

Ion Ratio Lower Upper

156 100

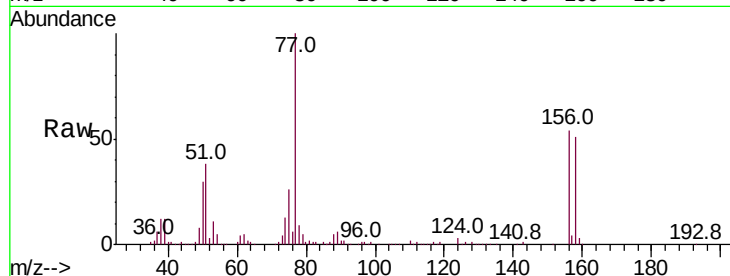
77 213.8 109.0 327.0

158 95.8 48.8 146.3

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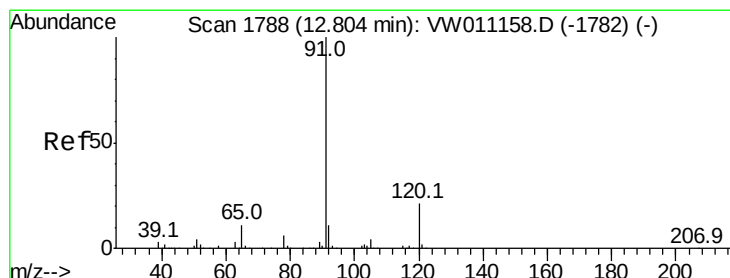
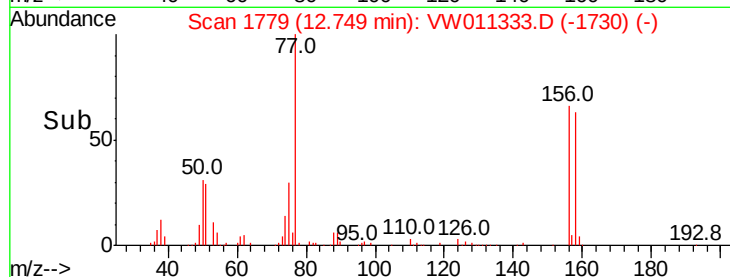
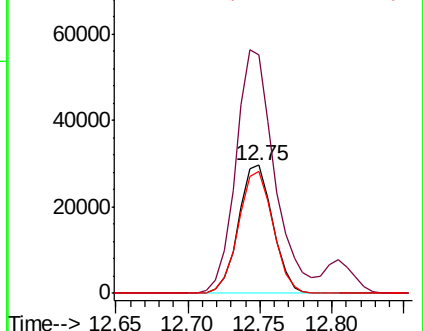
7/19/2019 9:53:58 AM



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: 19.840 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011333.D

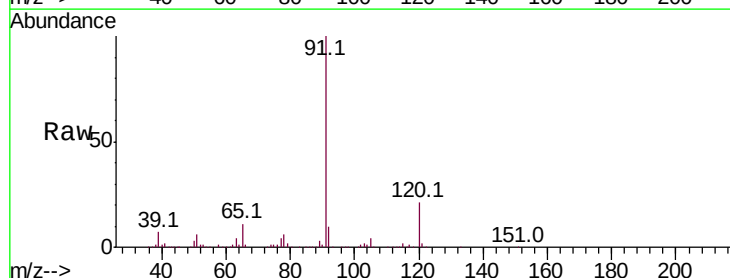
Acq: 18 Jul 2019 14:55

Tgt Ion: 91 Resp: 260470

Ion Ratio Lower Upper

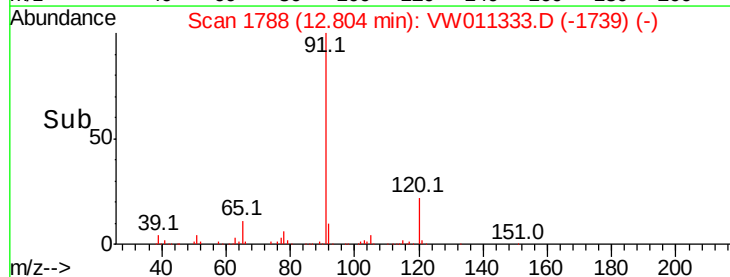
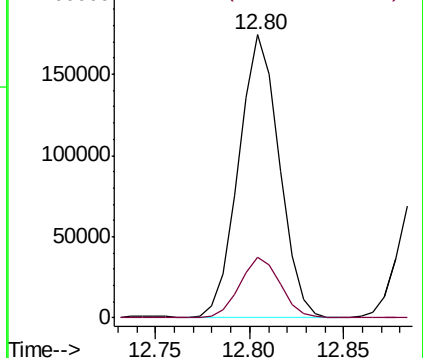
91 100

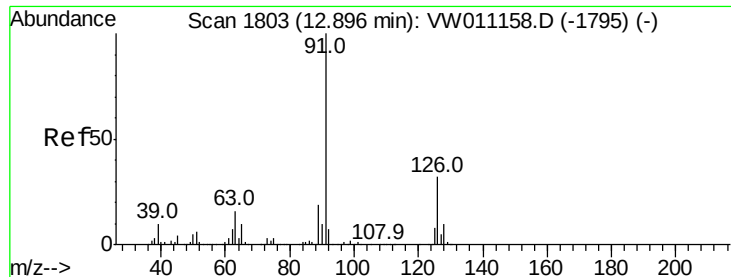
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.245 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

ClientSampleId :

VW0718SBS01

Tot Ion: 91 Resp: 152943

Ion Ratio Lower Upper

91 100

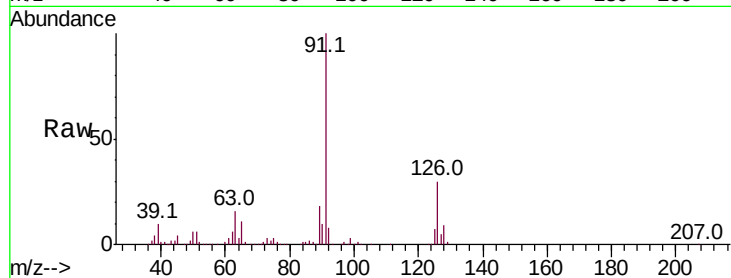
126 31.2 15.8 47.3

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

150000

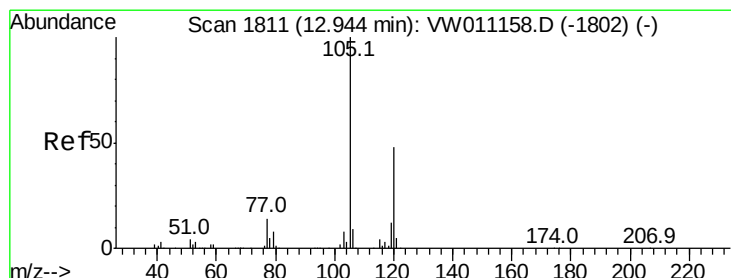
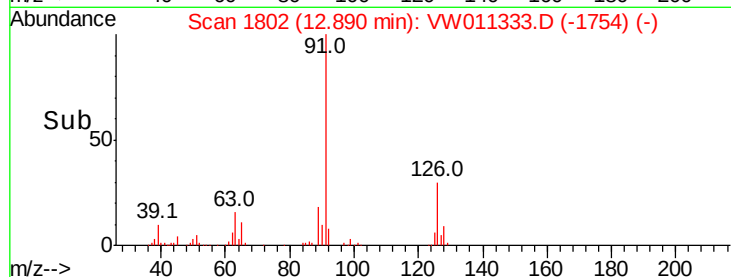
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.018 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011333.D

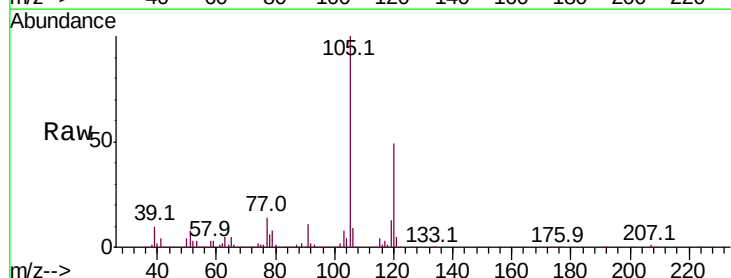
Acq: 18 Jul 2019 14:55

Tgt Ion:105 Resp: 181242

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

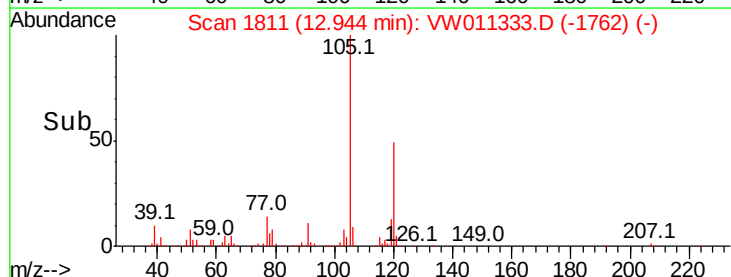
100000

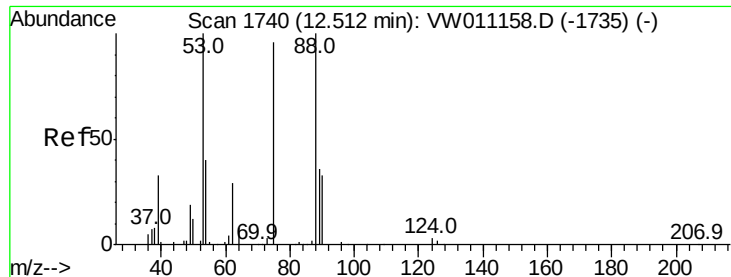
50000

0

12.90 12.94 12.98

Time-->





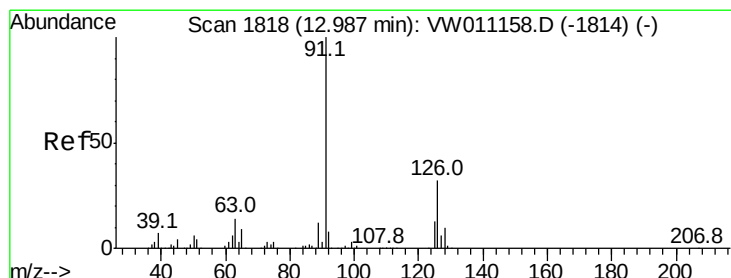
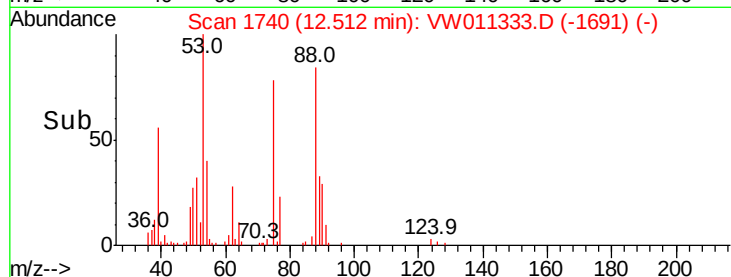
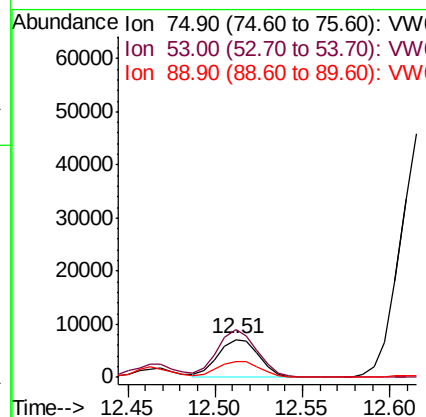
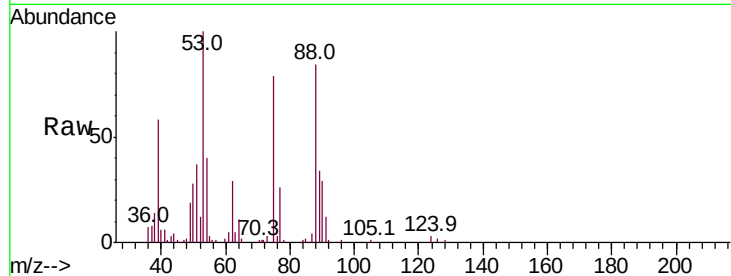
#81
trans-1,4-Dichloro-2-butene
Concen: 16.064 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion: 75 Resp: 11701
Ion Ratio Lower Upper
75 100
53 121.3 89.8 134.6
89 44.1 34.3 51.5

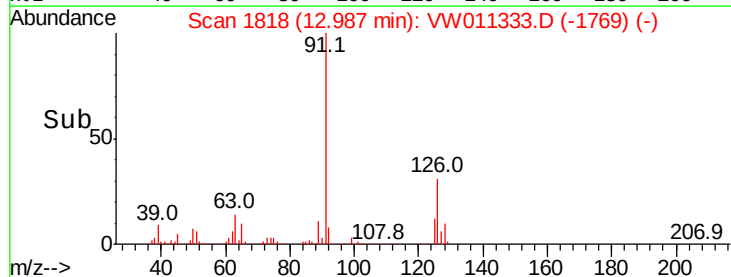
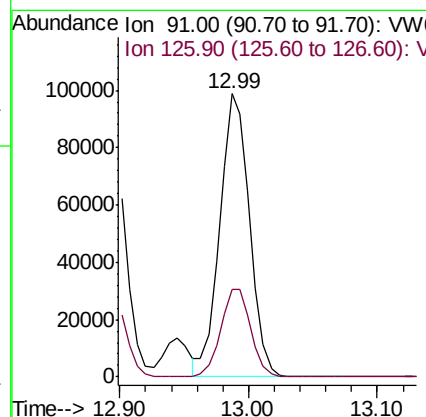
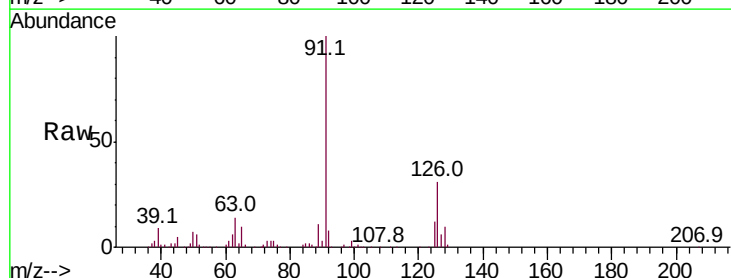
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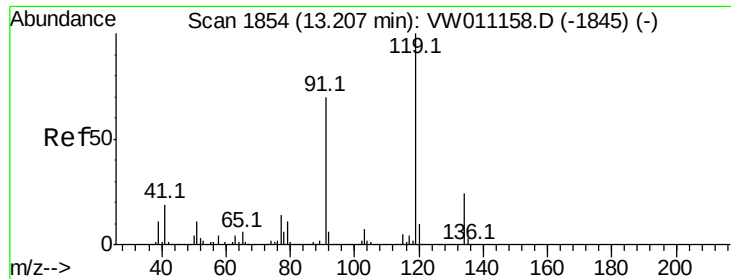
MMDadoda
7/19/2019 9:53:58 AM



#82
4-Chlorotoluene
Concen: 20.292 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion: 91 Resp: 159671
Ion Ratio Lower Upper
91 100
126 31.4 15.7 47.1





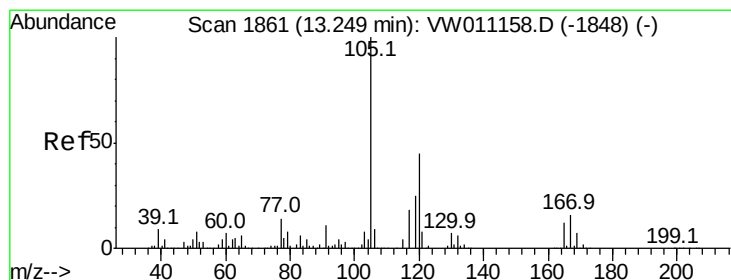
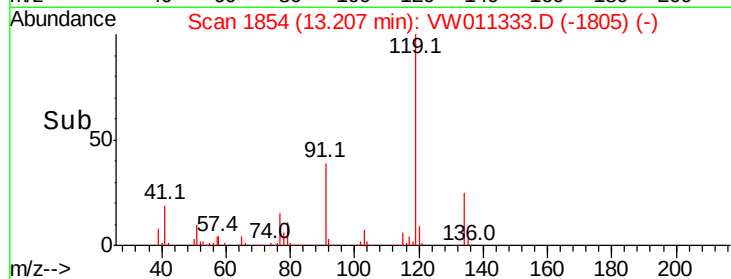
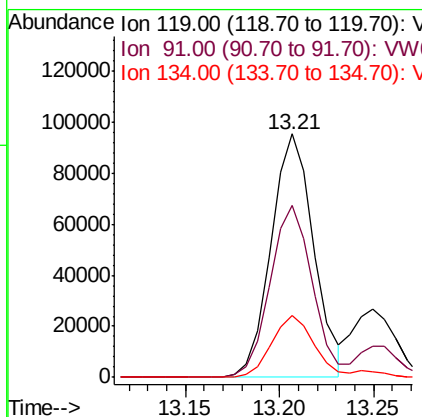
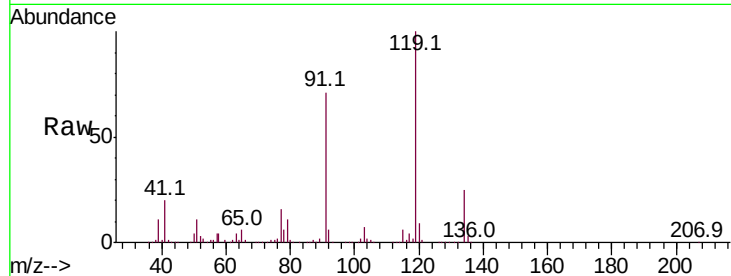
#83
tert-Butylbenzene
Concen: 19.825 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.4	106.3
134	25.2	13.4	40.2

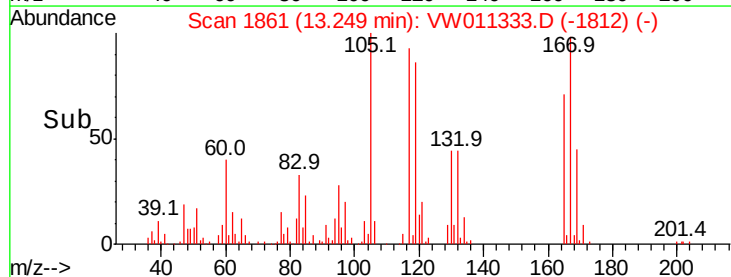
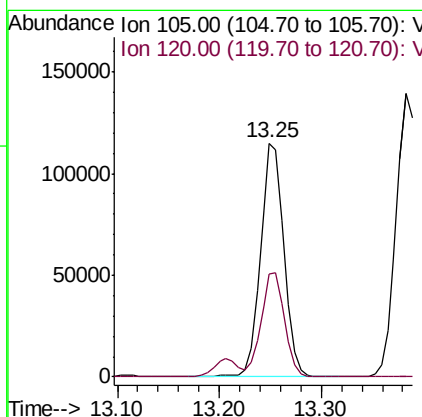
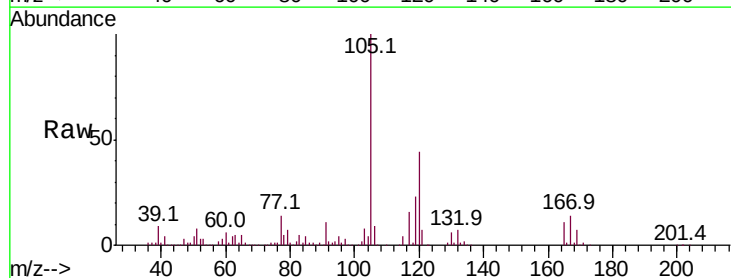
Manual Integrations
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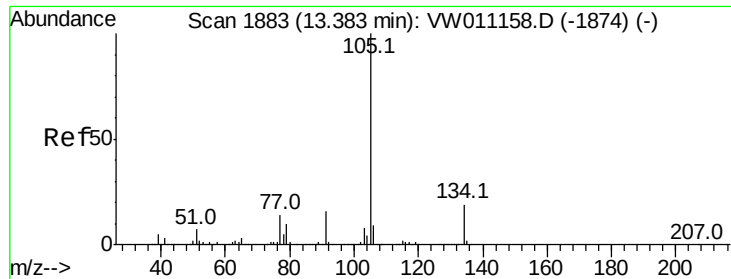
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#84
1,2,4-Trimethylbenzene
Concen: 20.265 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.9





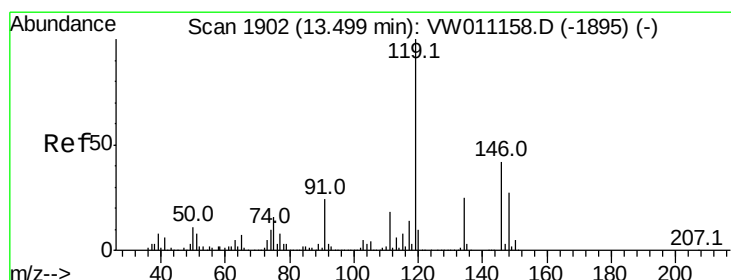
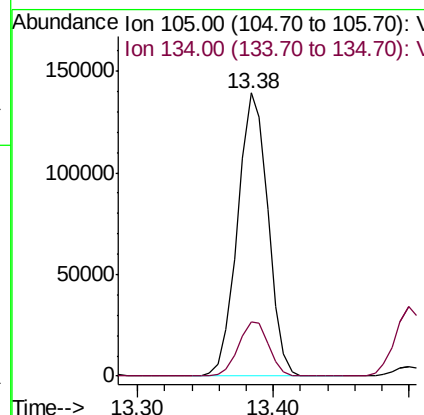
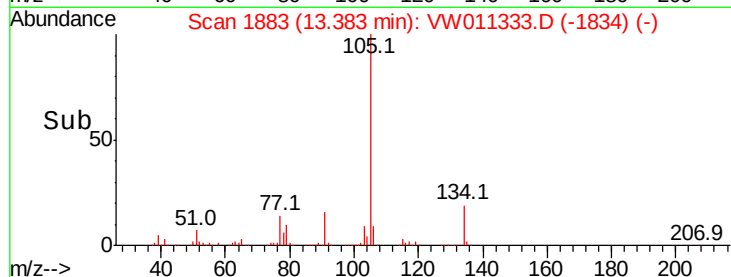
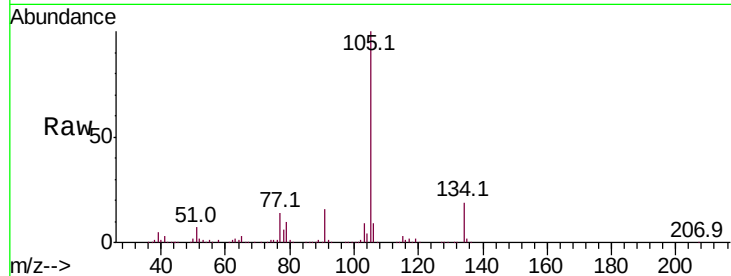
#85
 sec-Butylbenzene
 Concen: 19.893 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	28.9

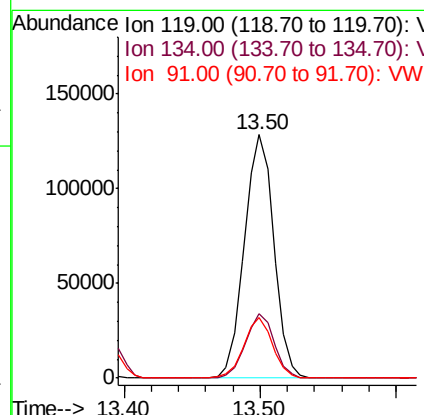
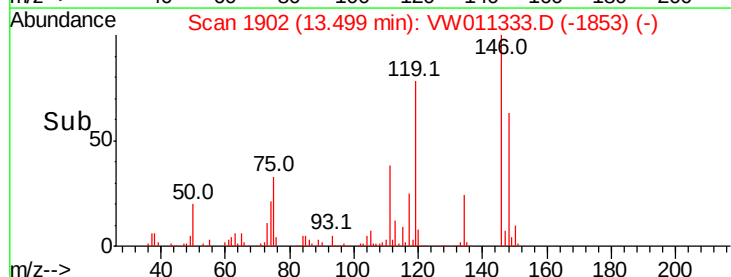
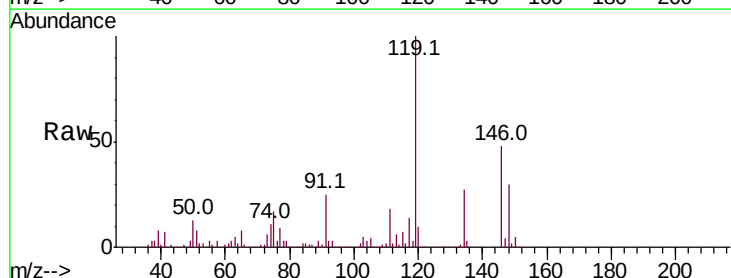
Manual Integrations
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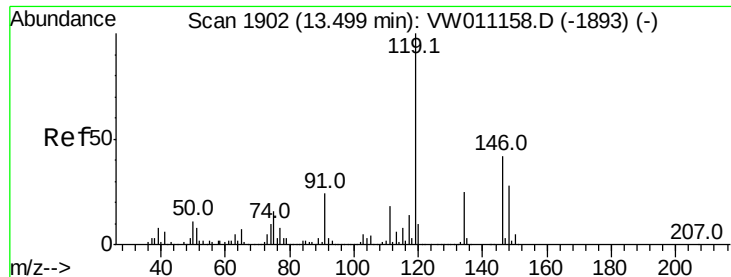
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 7/19/2019 9:53:58 AM



#86
 p-Isopropyltoluene
 Concen: 19.868 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	24.2	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 20.677 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

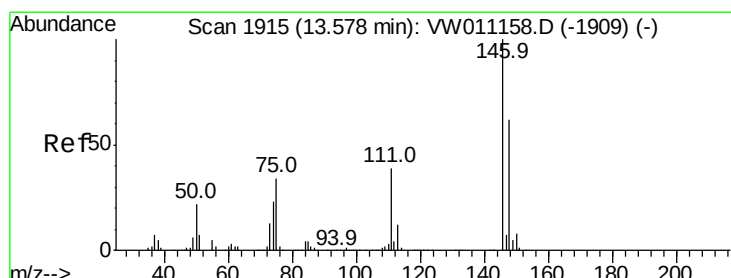
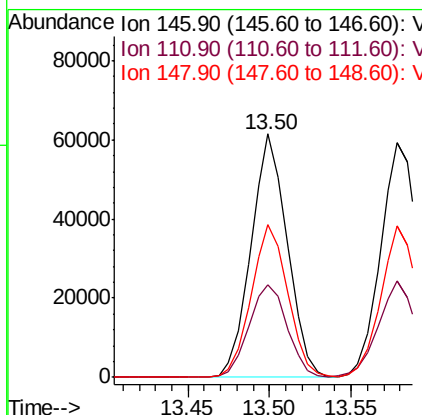
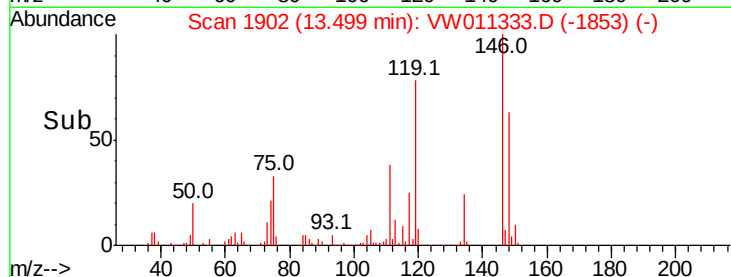
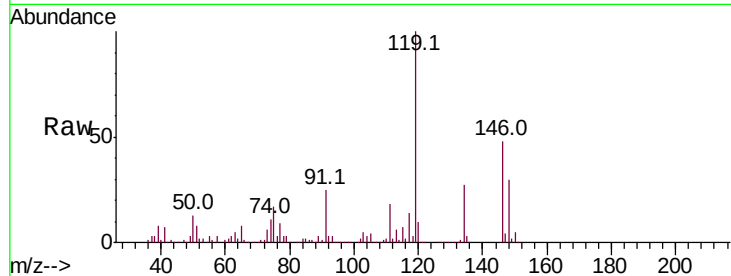
Instrument :
MSVOA_W

ClientSampleId :
VW0718SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.1
148	63.3	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 20.668 ug/l

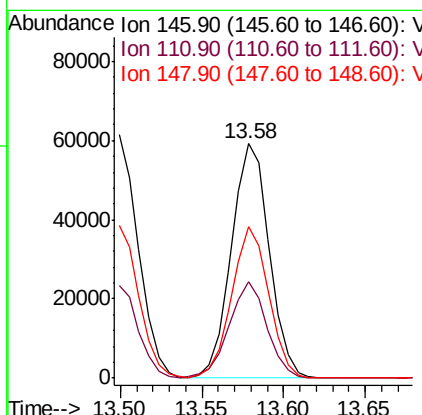
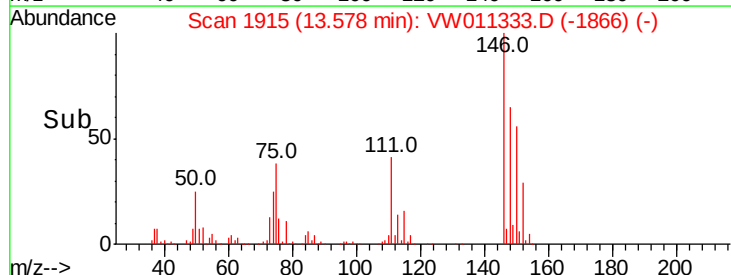
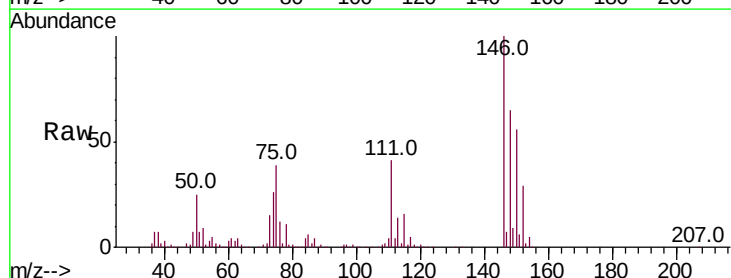
RT: 13.58 min Scan# 1915

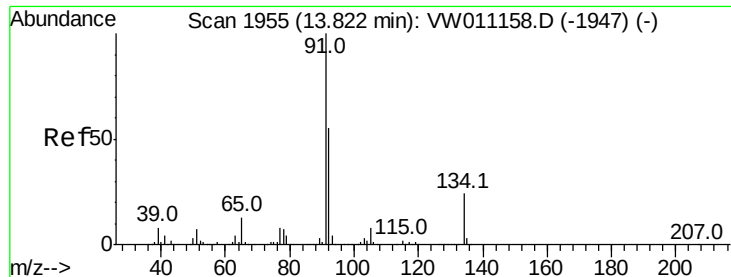
Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.9	59.7
148	63.1	31.5	94.5





#89

n-Butylbenzene

Concen: 19.949 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Instrument :

MSVOA_W

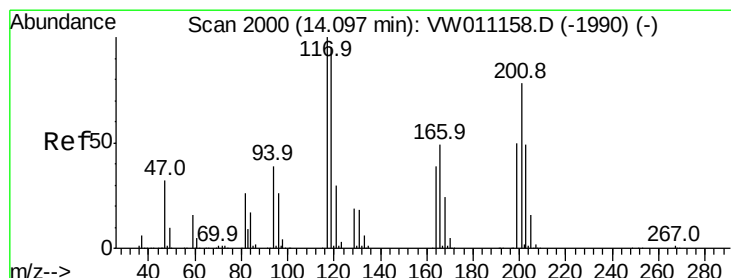
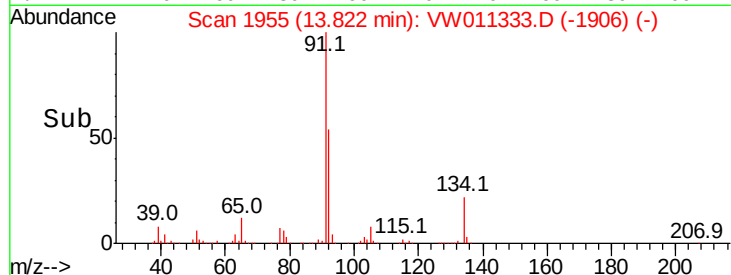
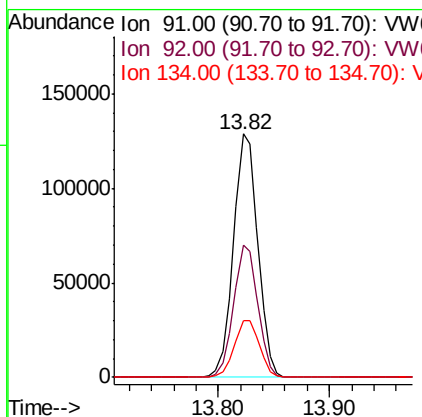
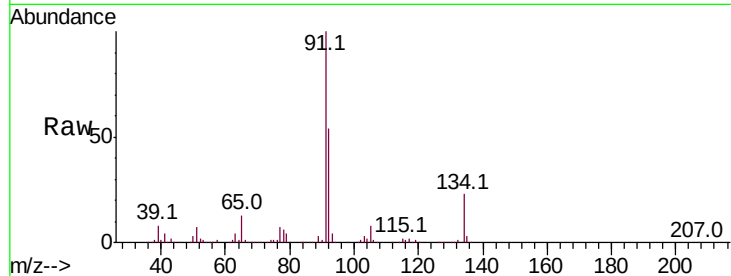
ClientSampleId :

VW0718SBS01

Tot Ion:	91	Resp:	194477
Ion Ratio	Lower	Upper	
91	100		
92	54.0	26.9	80.7
134	24.2	12.2	36.4

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#90

Hexachloroethane

Concen: 18.648 ug/l

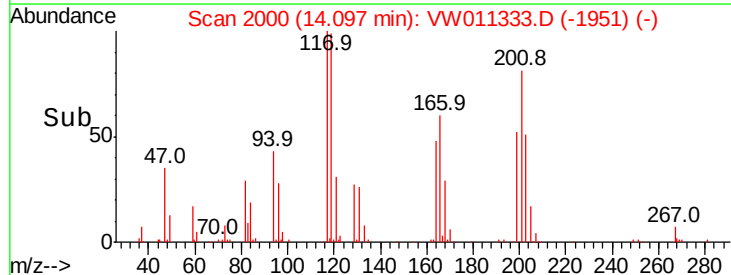
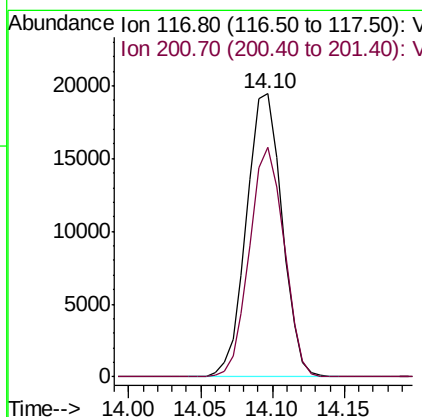
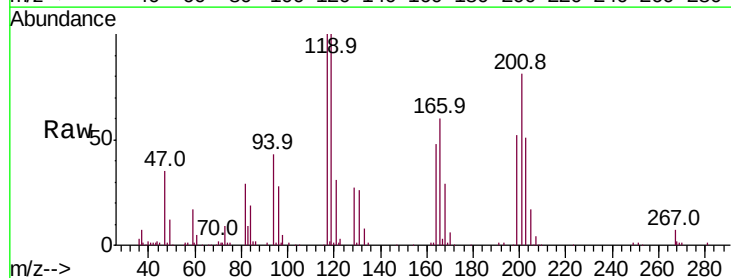
RT: 14.10 min Scan# 2000

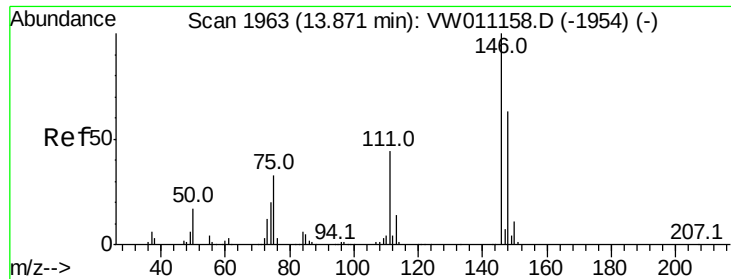
Delta R.T. 0.00 min

Lab File: VW011333.D

Acq: 18 Jul 2019 14:55

Tgt Ion:	117	Resp:	33301
Ion Ratio	Lower	Upper	
117	100		
201	79.0	38.3	114.8





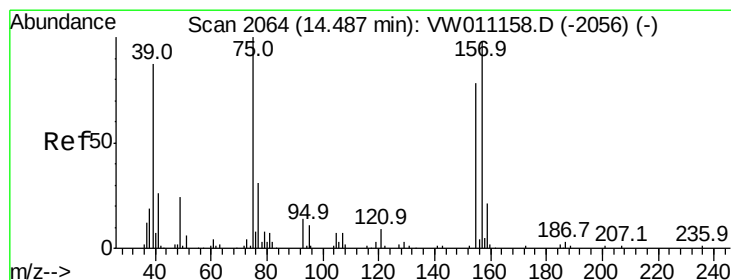
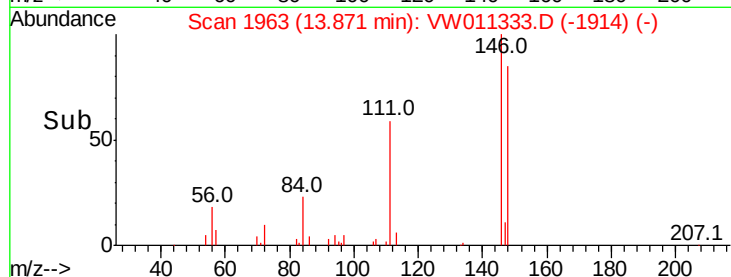
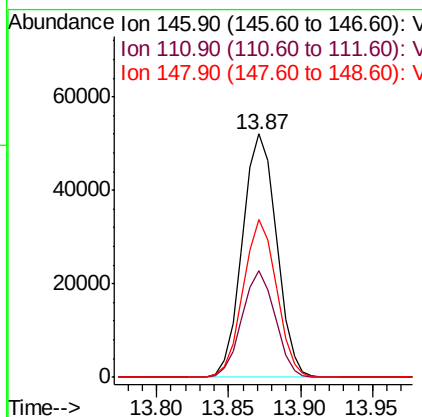
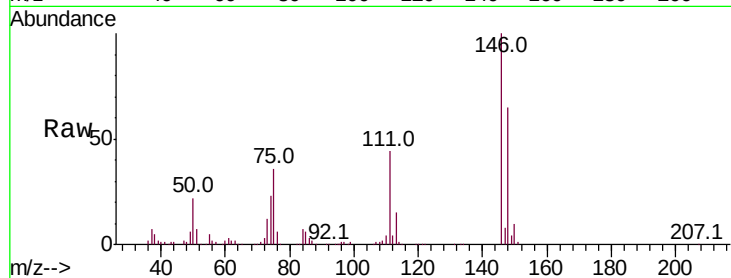
#91
 1,2-Dichlorobenzene
 Concen: 20.518 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.3	31.9	95.5

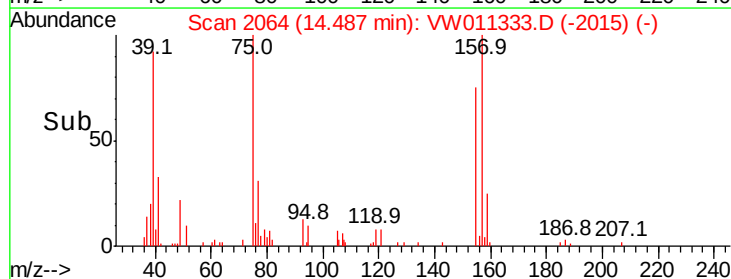
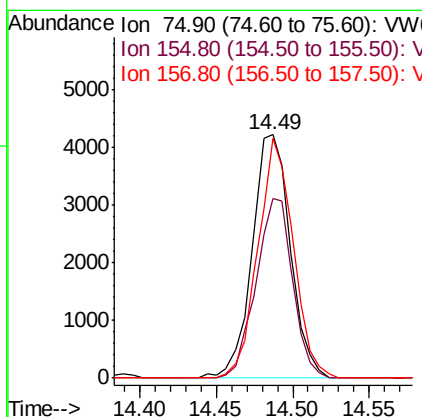
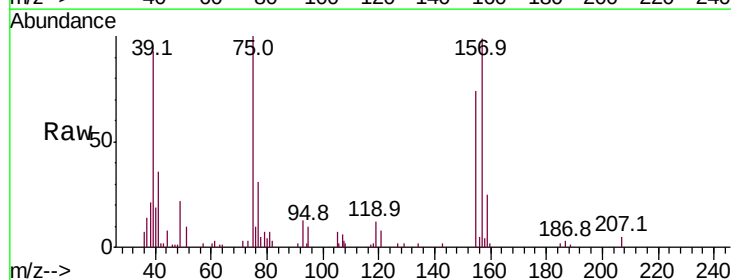
Manual Integrations
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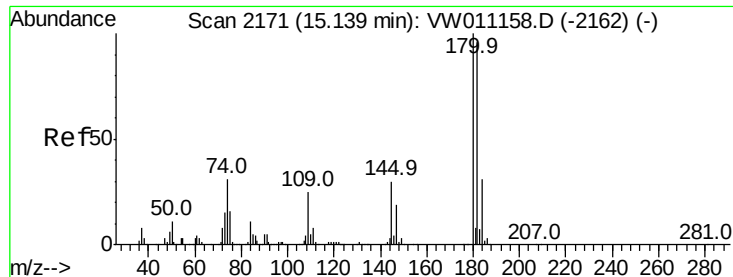
MMDadoda
 7/19/2019 9:53:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.906 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	37.1	111.3
157	91.3	48.5	145.6





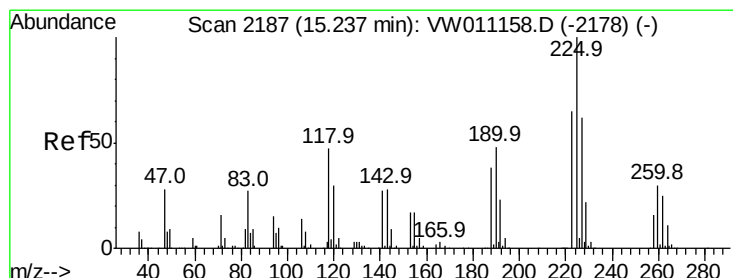
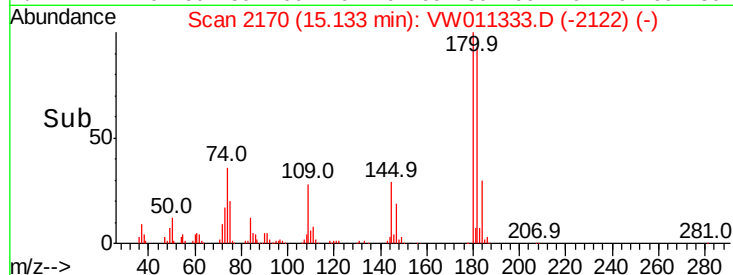
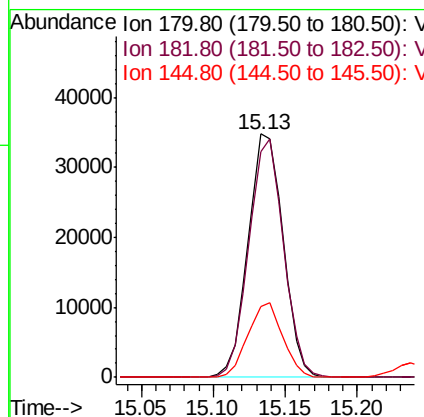
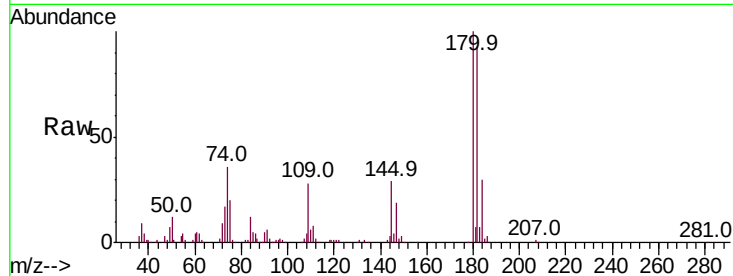
#93
 1,2,4-Trichlorobenzene
 Concen: 20.353 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0718SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	48.3	144.9	
145	30.5	15.5	46.5	

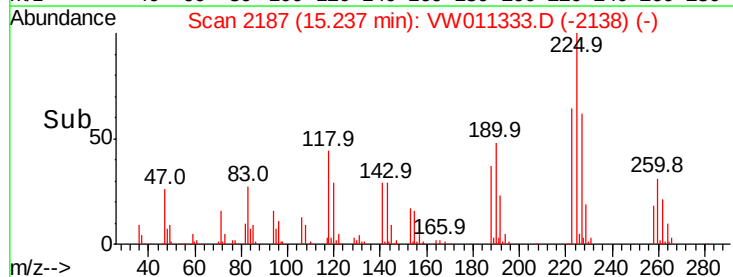
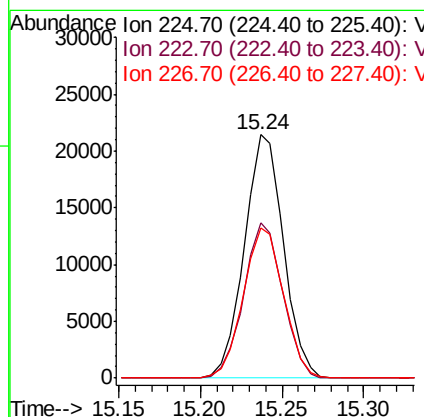
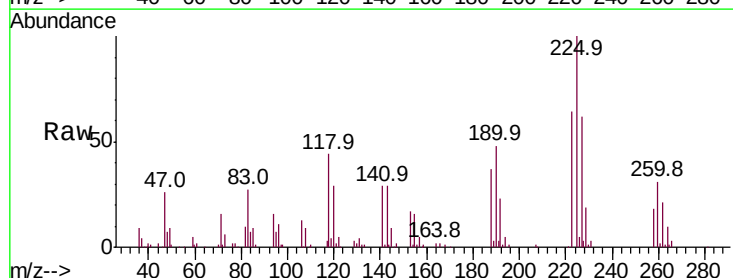
Manual Integrations
 APPROVED

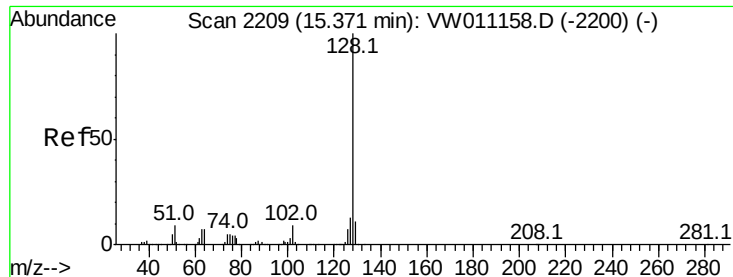
MMDadoda
 7/19/2019 9:53:58 AM



#94
 Hexachlorobutadiene
 Concen: 20.290 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011333.D
 Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.6	95.0	
227	63.1	32.0	96.0	





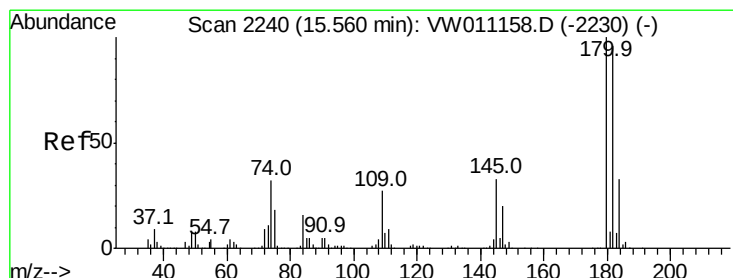
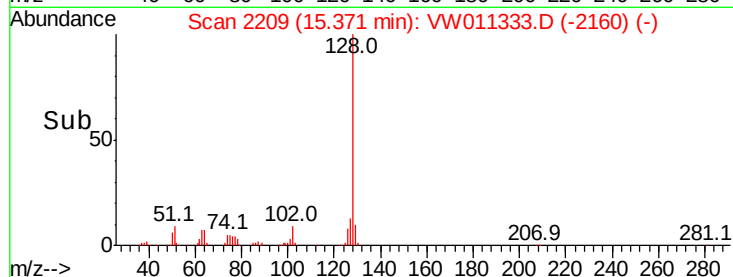
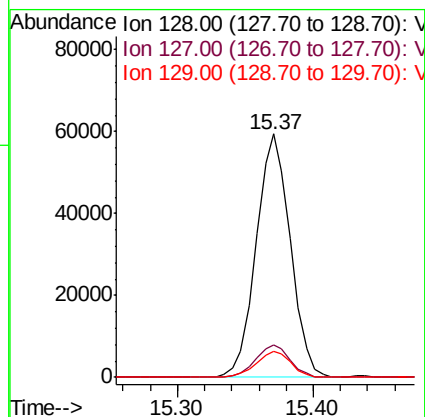
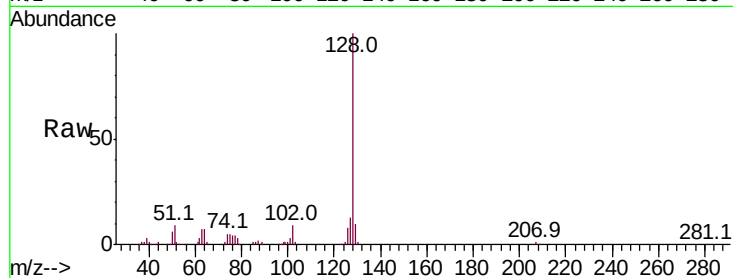
#95
Naphthalene
Concen: 18.944 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Instrument :
MSVOA_W
ClientSampleId :
VW0718SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.3	10.6	16.0	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:53:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011333.D
Acq: 18 Jul 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.6	142.8	
145	32.4	16.5	49.5	

