

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012789.D
 Acq On : 09 Sep 2019 00:22
 Operator : SY/VA
 Sample : VW0908SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:24:48 AM

Quant Time: Sep 09 07:33:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	179984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	265065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	233684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	114917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	103248	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.88	113	77504	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	10.32	98	302106	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.62	95	106379	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22767	23.333	ug/l	93
3) Chloromethane	2.21	50	26546	22.386	ug/l	94
4) Vinyl Chloride	2.35	62	33068	22.744	ug/l	98
5) Bromomethane	2.78	94	18922	23.966	ug/l	87
6) Chloroethane	2.92	64	19112	22.028	ug/l	97
7) Trichlorofluoromethane	3.25	101	20198	20.131	ug/l	99
8) Diethyl Ether	3.67	74	17312	20.529	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	33738	21.427	ug/l	95
10) Methyl Iodide	4.26	142	41943	21.160	ug/l	99
11) Tert butyl alcohol	5.21	59	16502	107.250	ug/l	97
12) 1,1-Dichloroethene	4.03	96	30388	20.445	ug/l	93
13) Acrolein	3.90	56	13074	80.072	ug/l	98
14) Allyl chloride	4.67	41	56288	18.307	ug/l	94
15) Acrylonitrile	5.37	53	50832	103.204	ug/l	99
16) Acetone	4.13	43	47979	87.514	ug/l	97
17) Carbon Disulfide	4.38	76	64836	20.550	ug/l	100
18) Methyl Acetate	4.67	43	28275	21.982	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	63030	21.382	ug/l	92
20) Methylene Chloride	4.92	84	35488	20.690	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	31569	20.816	ug/l	91
22) Diisopropyl ether	6.31	45	121892	19.988	ug/l	95
23) Vinyl Acetate	6.25	43	378672	97.981	ug/l	99
24) 1,1-Dichloroethane	6.21	63	67603	20.588	ug/l	99
25) 2-Butanone	7.17	43	69218	98.677	ug/l	96
26) 2,2-Dichloropropane	7.16	77	39493	19.043	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	37498	21.324	ug/l	95
28) Bromochloromethane	7.51	49	27267	18.085	ug/l	91
29) Tetrahydrofuran	7.54	42	46508	105.049	ug/l	98
30) Chloroform	7.67	83	68440	21.031	ug/l	95
31) Cyclohexane	7.95	56	60483	20.461	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	57260	21.707	ug/l	98
36) 1,1-Dichloropropene	8.08	75	50753	21.550	ug/l	98
37) Ethyl Acetate	7.25	43	31305	20.851	ug/l	99
38) Carbon Tetrachloride	8.07	117	51572	22.214	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	58031	21.938	ug/l	94
40) Benzene	8.32	78	140136	21.446	ug/l	97
41) Methacrylonitrile	7.48	41	19916	21.855	ug/l	96
42) 1,2-Dichloroethane	8.40	62	51101	22.221	ug/l	100
43) Isopropyl Acetate	8.42	43	58645	20.618	ug/l	97
44) Trichloroethene	9.09	130	37074	22.010	ug/l	86
45) 1,2-Dichloropropane	9.37	63	35926	19.823	ug/l	98
46) Dibromomethane	9.46	93	19089	22.243	ug/l	97
47) Bromodichloromethane	9.64	83	49543	20.983	ug/l	100
48) Methyl methacrylate	9.43	41	27850	20.488	ug/l	97
49) 1,4-Dioxane	9.47	88	7695	453.921	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	157966	105.836	ug/l	99
52) Toluene	10.38	92	86624	21.240	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	47743	19.664	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	54912	19.937	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	27936	21.743	ug/l	94
56) Ethyl methacrylate	10.65	69	39566	21.037	ug/l	96
57) 1,3-Dichloropropane	10.93	76	50559	21.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	104397	104.557	ug/l	96
59) 2-Hexanone	10.97	43	107520	98.603	ug/l	99
60) Dibromochloromethane	11.13	129	31588	20.904	ug/l	100
61) 1,2-Dibromoethane	11.23	107	26360	22.378	ug/l	97
64) Tetrachloroethene	10.86	164	34756	24.512	ug/l	96
65) Chlorobenzene	11.65	112	91315	20.675	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	35927	21.843	ug/l	98
67) Ethyl Benzene	11.73	91	172515	20.818	ug/l	99
68) m/p-Xylenes	11.83	106	125458	41.943	ug/l	99
69) o-Xylene	12.16	106	58865	20.860	ug/l	97
70) Styrene	12.18	104	102743	20.604	ug/l	99
71) Bromoform	12.35	173	20057	21.948	ug/l #	98
73) Isopropylbenzene	12.46	105	171130	20.763	ug/l	100
74) N-amyl acetate	12.27	43	51532	19.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	34743	20.989	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	23596m	20.080	ug/l	
77) Bromobenzene	12.74	156	39096	20.937	ug/l	99
78) n-propylbenzene	12.80	91	200149	20.304	ug/l	100
79) 2-Chlorotoluene	12.89	91	114857	20.296	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	143547	20.669	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10212	18.381	ug/l	97
82) 4-Chlorotoluene	12.99	91	121474	20.293	ug/l	99
83) tert-Butylbenzene	13.21	119	129061	21.016	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	141546	20.226	ug/l	100
85) sec-Butylbenzene	13.38	105	175066	20.544	ug/l	98
86) p-Isopropyltoluene	13.50	119	158388	20.349	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	73296	19.970	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	74269	20.335	ug/l	98
89) n-Butylbenzene	13.82	91	144106	19.070	ug/l	98
90) Hexachloroethane	14.09	117	28036	20.633	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	69146	20.931	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6423	21.204	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	45480	19.774	ug/l	99
94) Hexachlorobutadiene	15.24	225	33151	20.824	ug/l	97
95) Naphthalene	15.36	128	87093	20.899	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	41063	20.226	ug/l	97

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

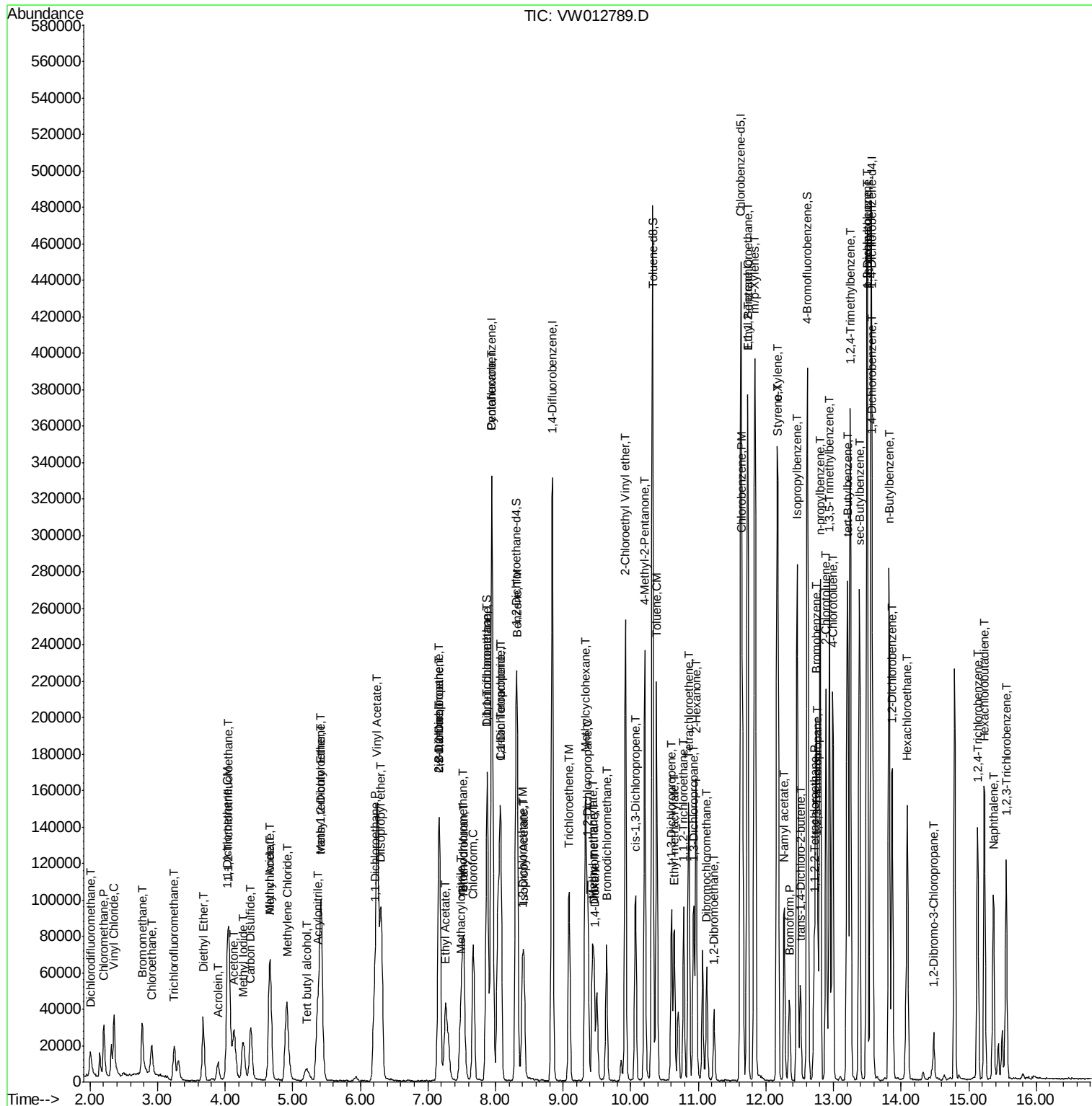
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090819\
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Operator : SY/VA
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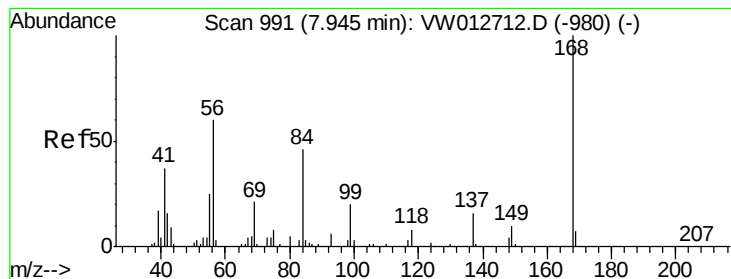
Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion:168 Resp: 179984

Ion Ratio Lower Upper

168 100

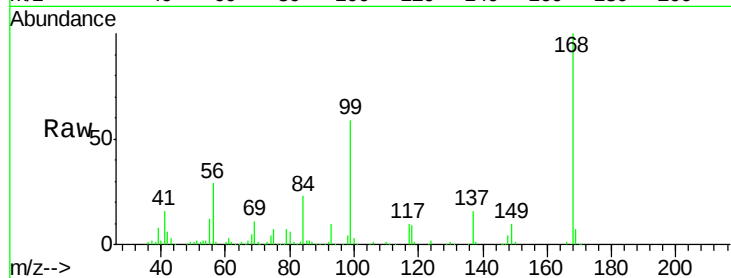
99 58.7 47.8 71.6

Manual Integrations

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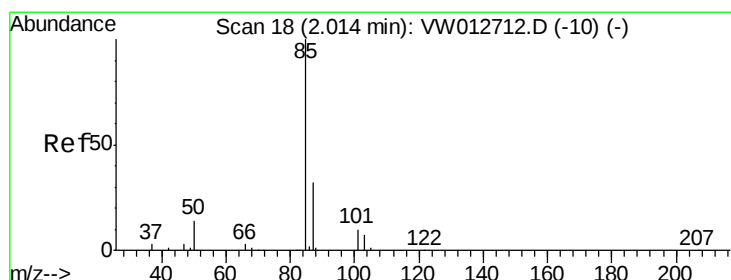
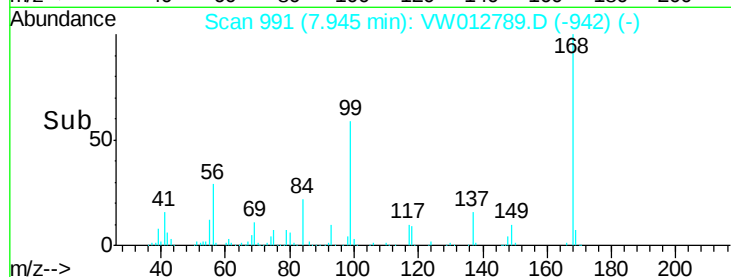
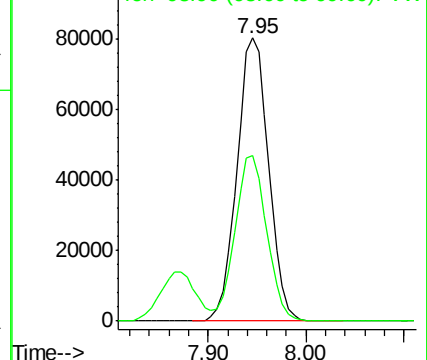
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.333 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012789.D

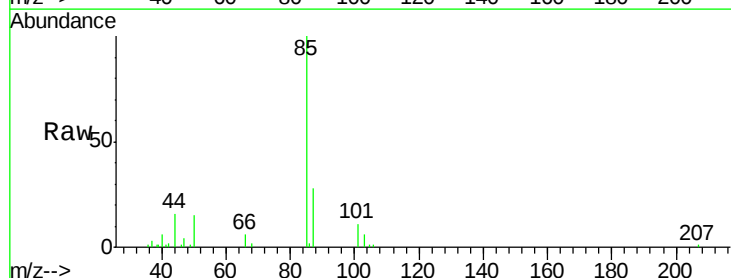
Acq: 09 Sep 2019 00:22

Tgt Ion: 85 Resp: 22767

Ion Ratio Lower Upper

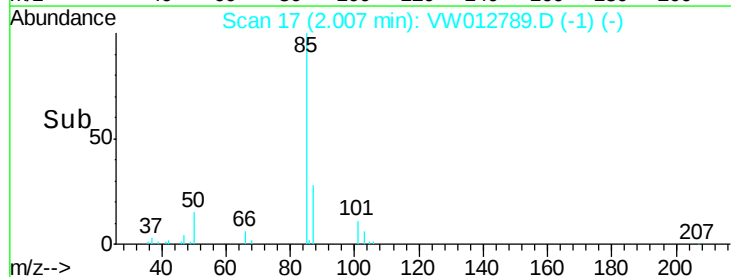
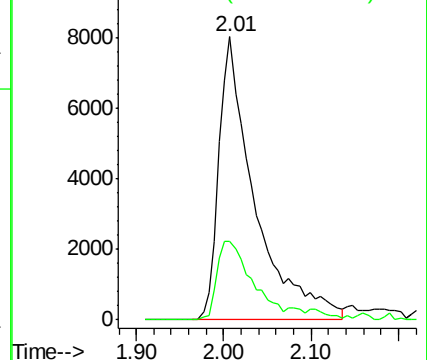
85 100

87 27.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.386 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBSD02

Tot Ion: 50 Resp: 26546

Ion Ratio Lower Upper

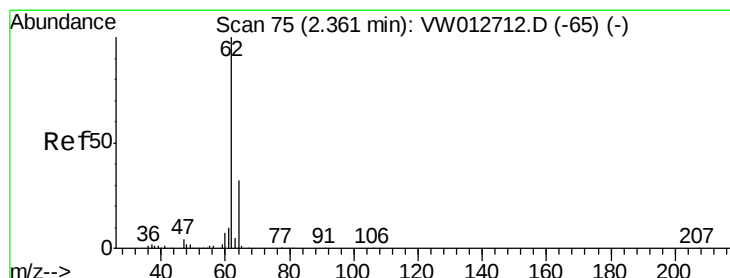
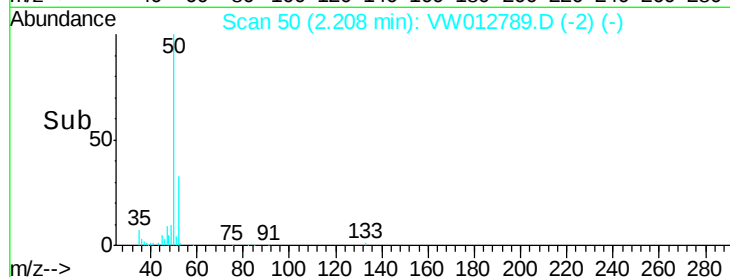
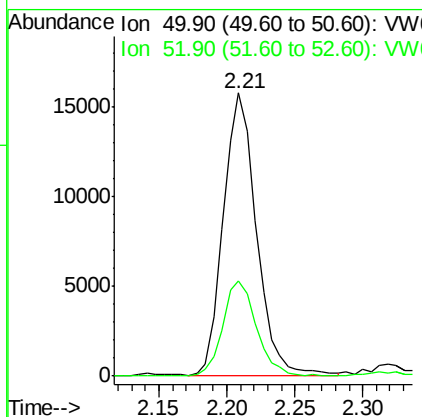
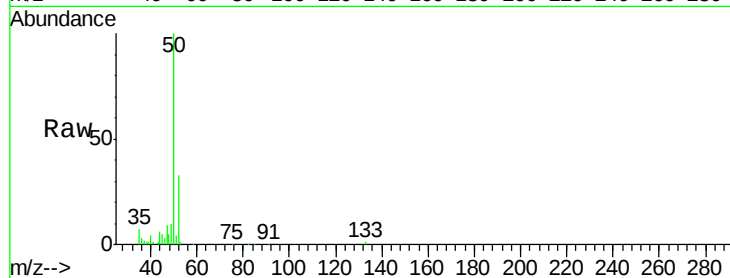
50 100

52 33.6 24.2 36.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.744 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012789.D

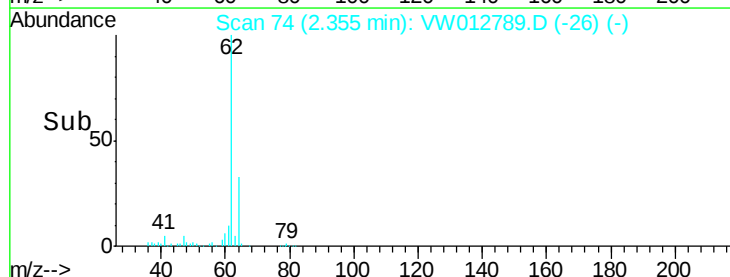
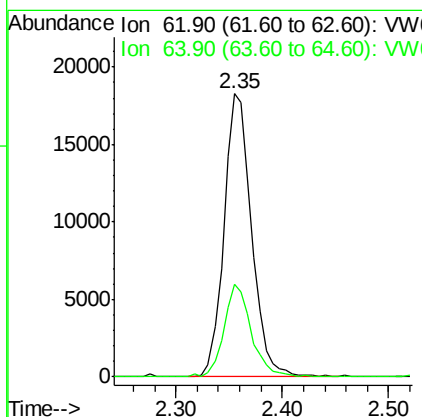
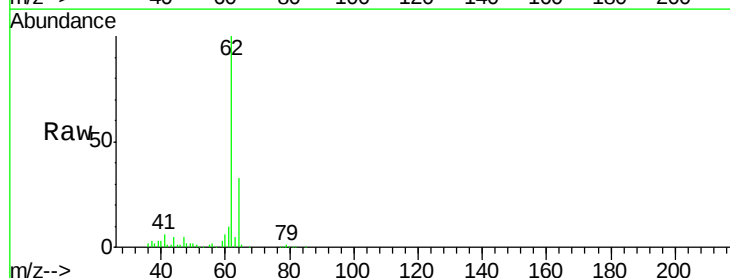
Acq: 09 Sep 2019 00:22

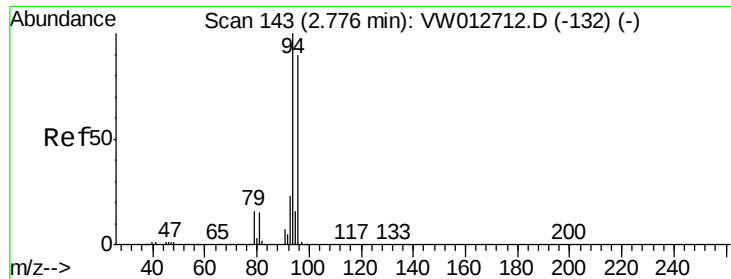
Tgt Ion: 62 Resp: 33068

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 23.966 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 94 Resp: 18922

Ion Ratio Lower Upper

94 100

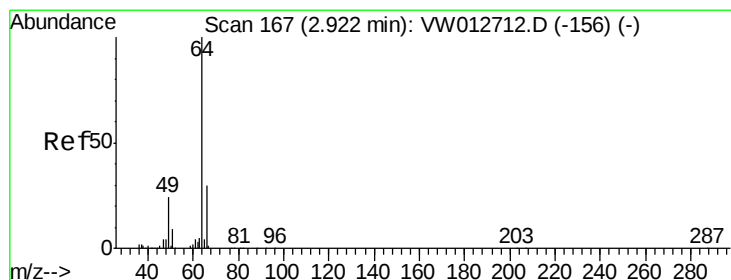
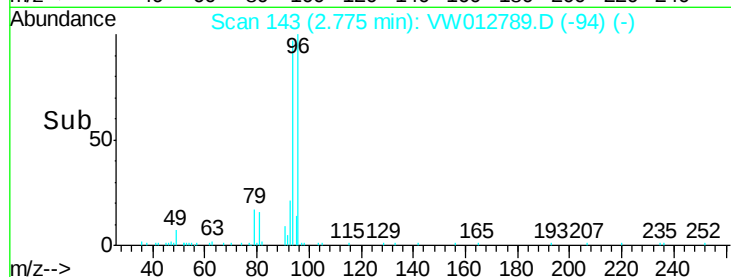
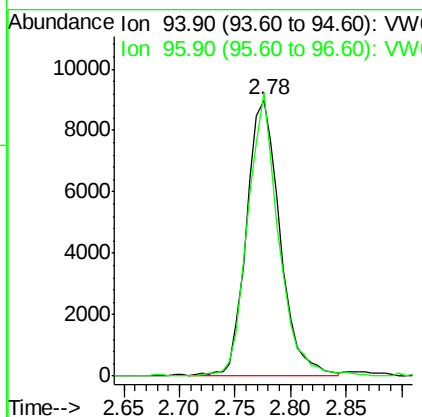
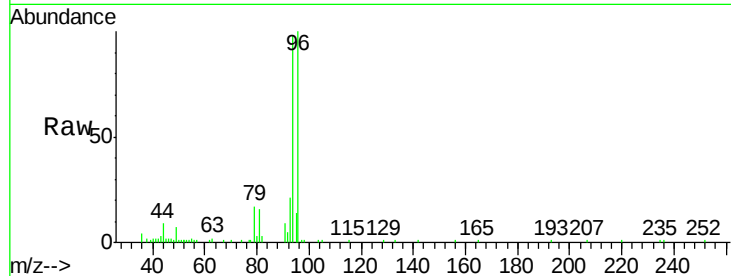
96 102.5 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 22.028 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012789.D

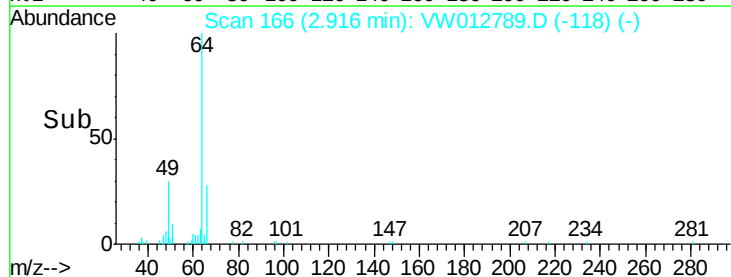
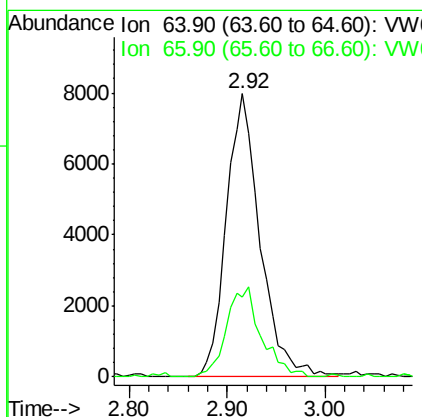
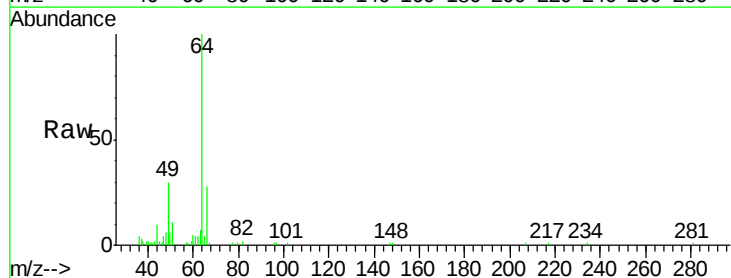
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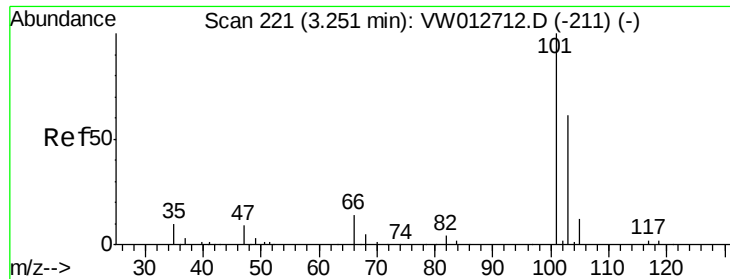
Tgt Ion: 64 Resp: 19112

Ion Ratio Lower Upper

64 100

66 28.1 23.8 35.6





#7

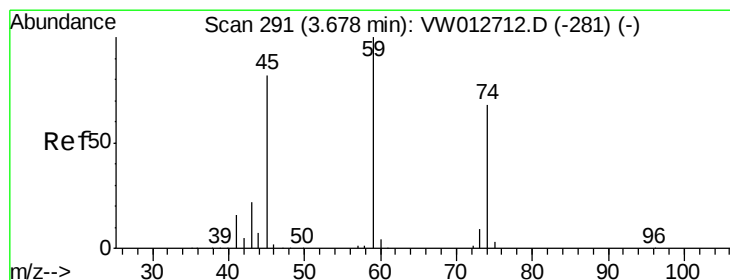
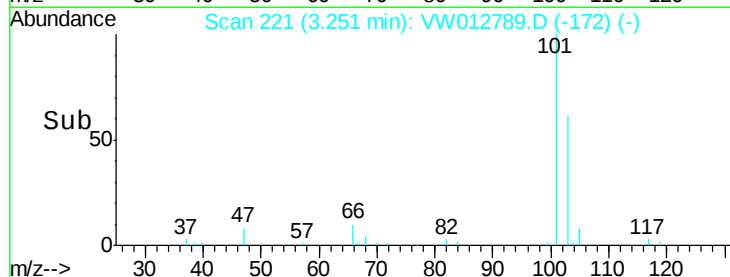
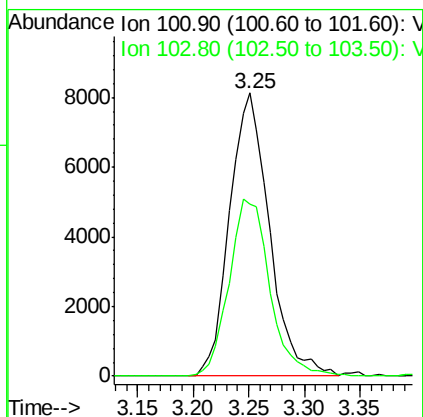
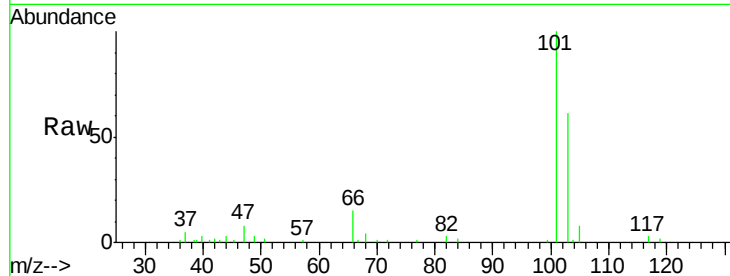
Trichlorofluoromethane
 Concen: 20.131 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	49.0	73.4

Manual Integrations
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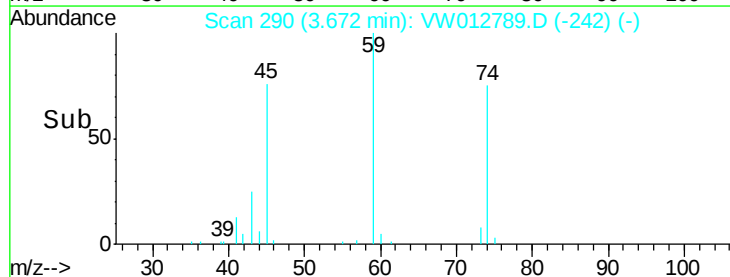
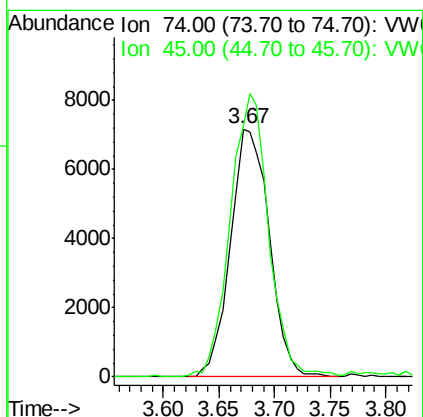
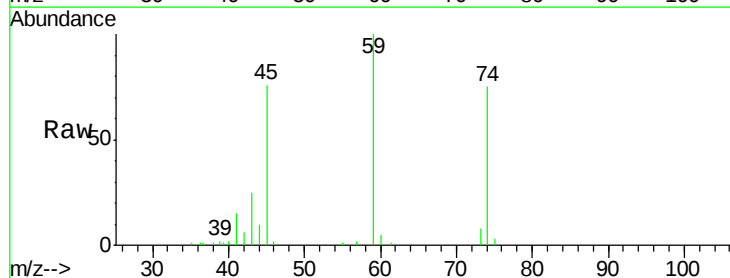
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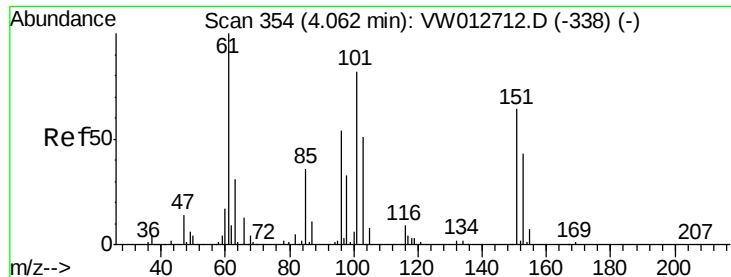


#8

Diethyl Ether
 Concen: 20.529 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012789.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.3	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.427 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

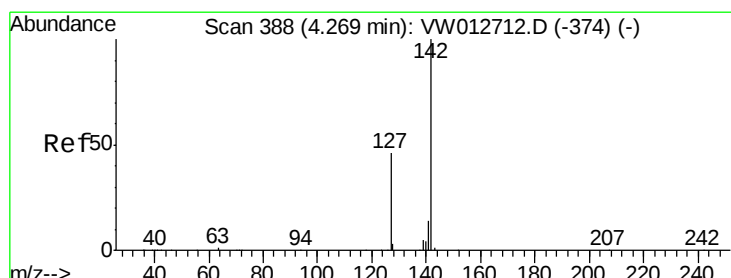
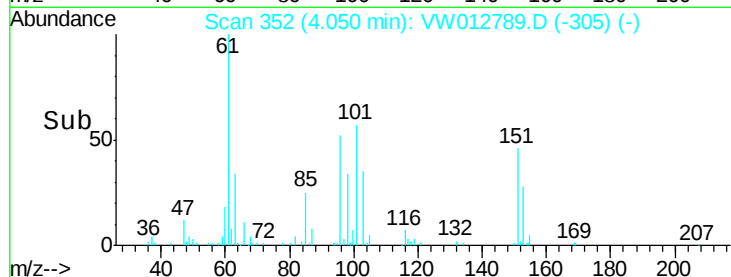
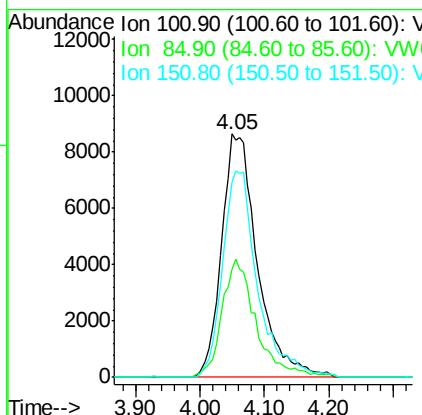
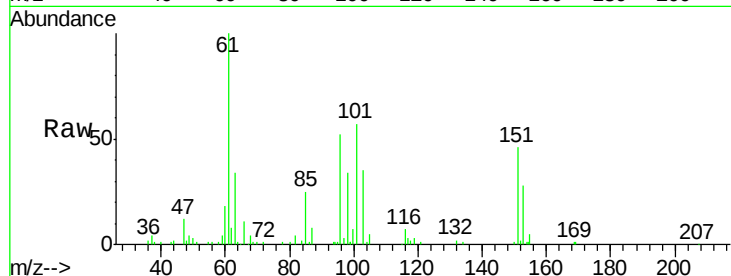
ClientSampleId :

VW0908SBS02

Tot Ion:	101	Resp:	33738
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.2	54.2
151	83.0	61.9	92.9

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#10

Methyl Iodide

Concen: 21.160 ug/l

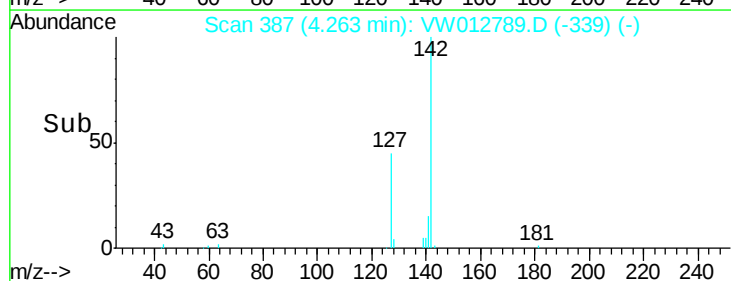
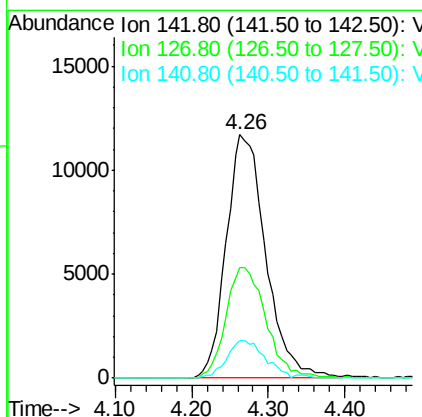
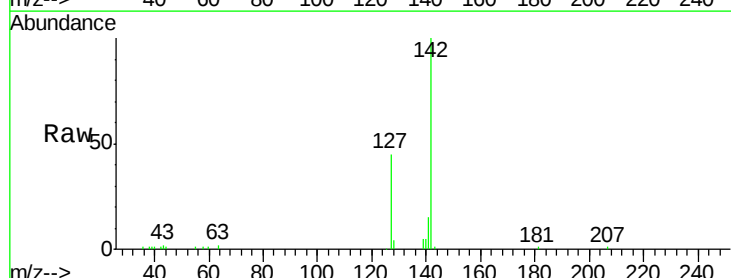
RT: 4.26 min Scan# 387

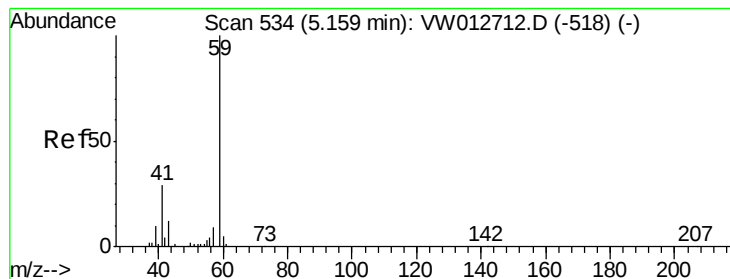
Delta R.T. -0.01 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	142	Resp:	41943
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.0	54.0
141	15.0	12.2	18.4





#11

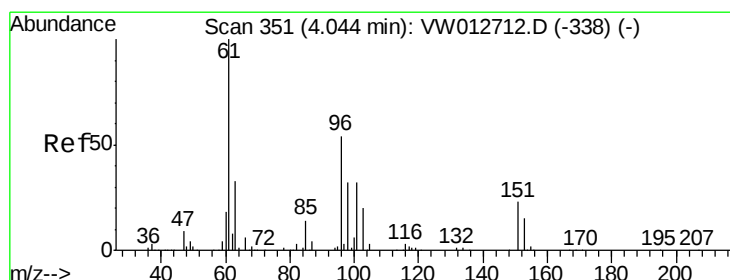
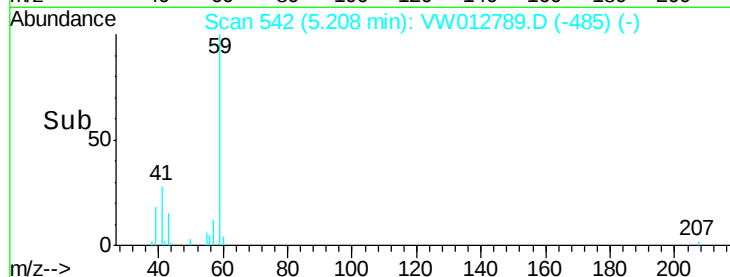
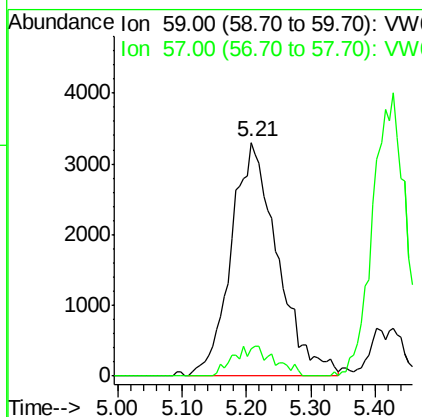
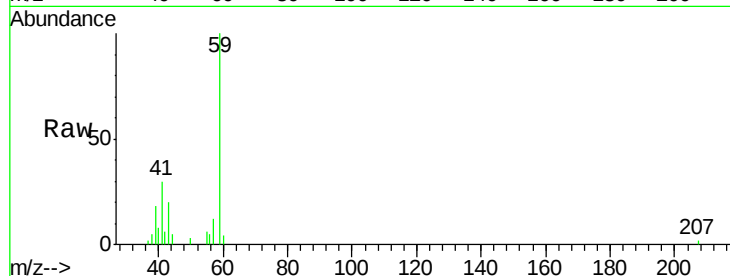
Tert butyl alcohol
 Concen: 107.250 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.05 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.4

Manual Integrations
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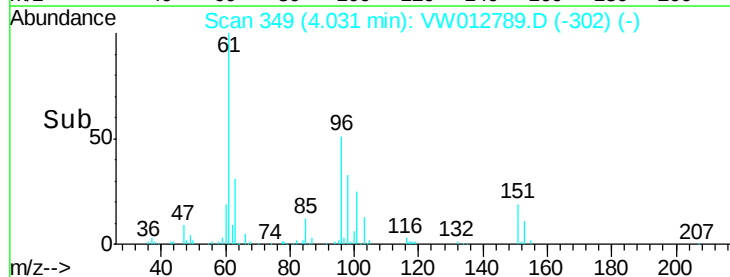
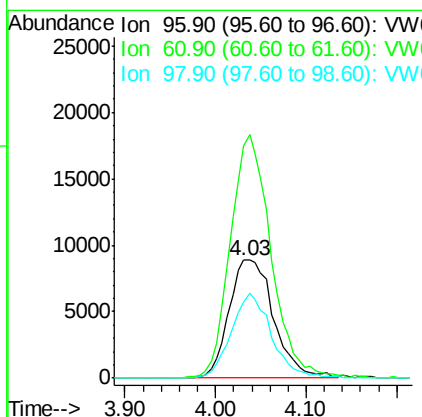
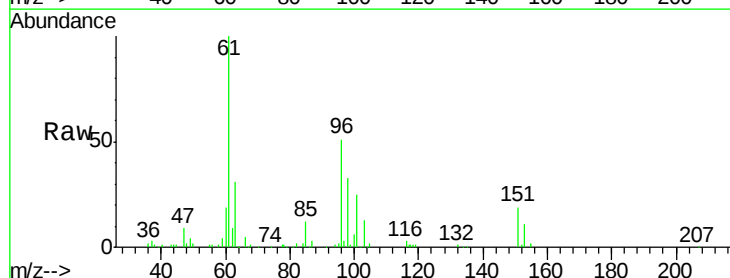
MMDadoda
 9/9/2019 11:24:48 AM

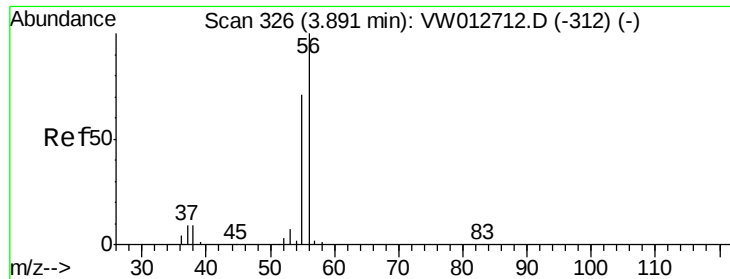


#12

1,1-Dichloroethene
 Concen: 20.445 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.1	147.8	221.6
98	64.1	47.9	71.9





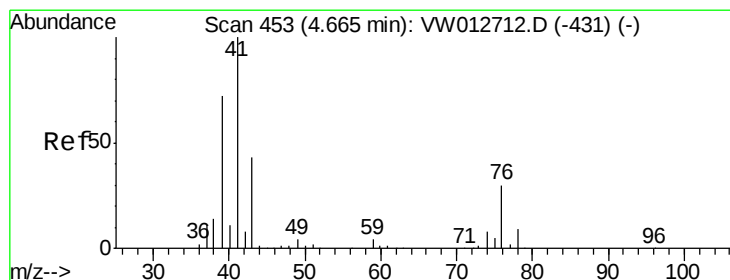
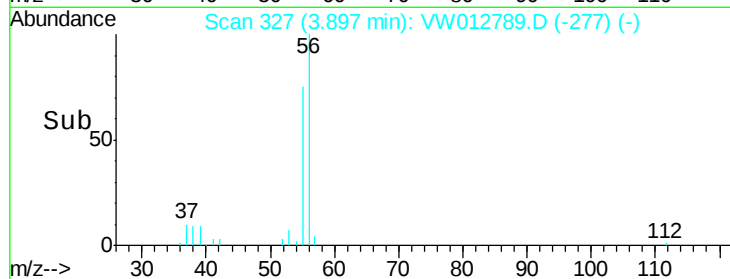
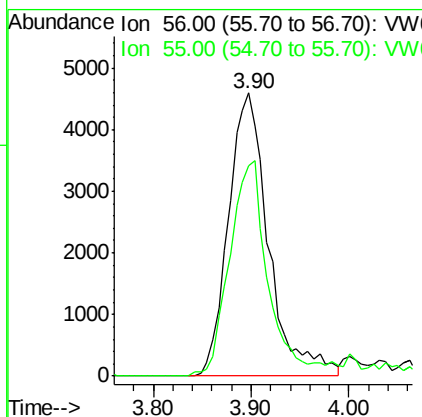
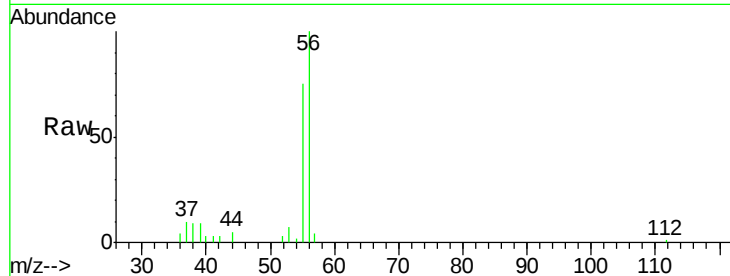
#13
Acrolein
Concen: 80.072 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	56	Resp	13074
Ion	Ratio	Lower	Upper
56	100		
55	72.8	56.9	85.3

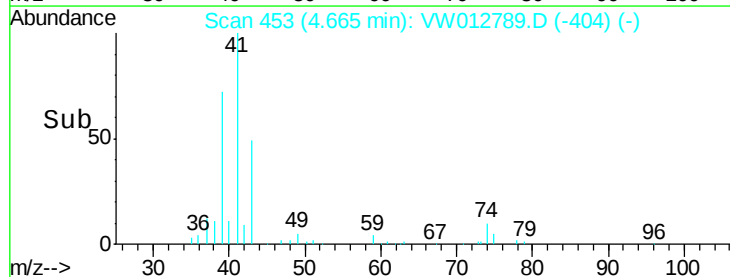
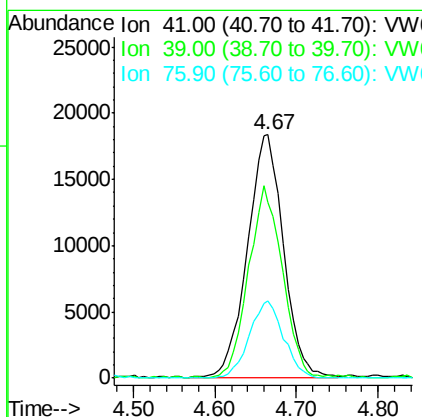
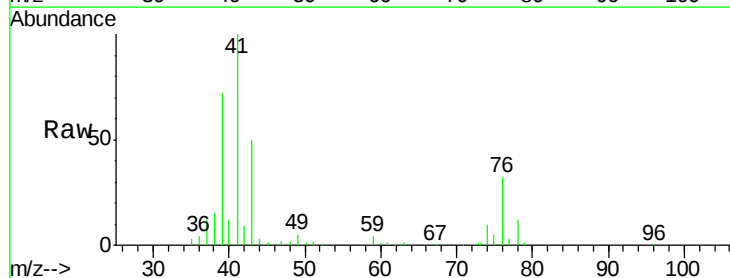
Manual Integrations
APPROVED

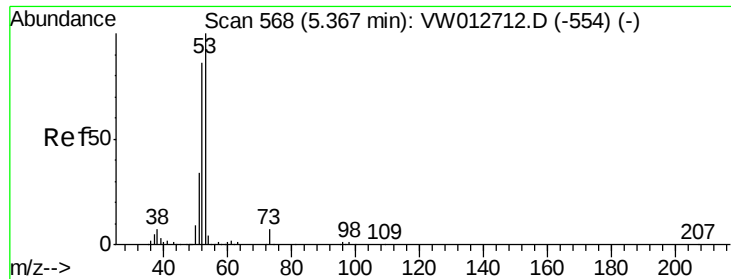
MMDadoda
9/9/2019 11:24:48 AM



#14
Allyl chloride
Concen: 18.307 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	41	Resp	56288
Ion	Ratio	Lower	Upper
41	100		
39	75.0	55.0	82.6
76	30.1	23.0	34.4





#15

Acrylonitrile

Concen: 103.204 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

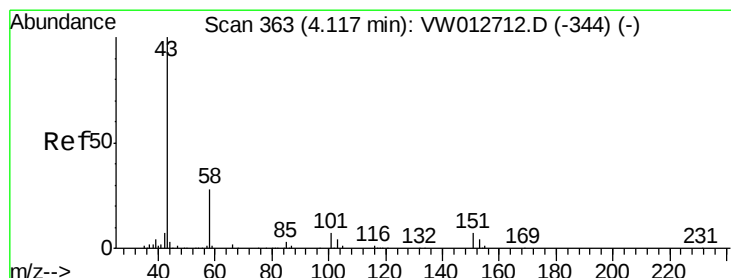
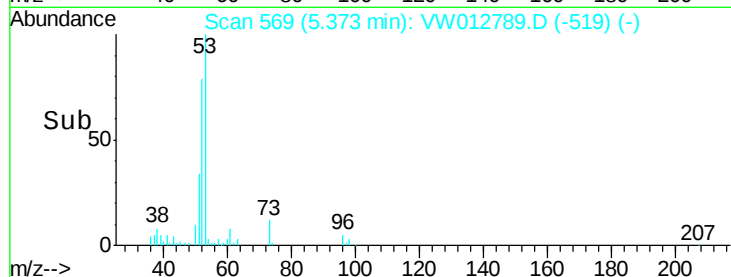
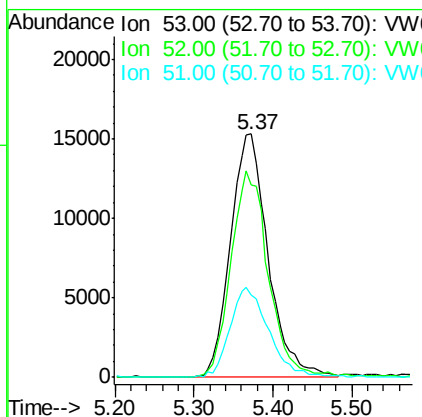
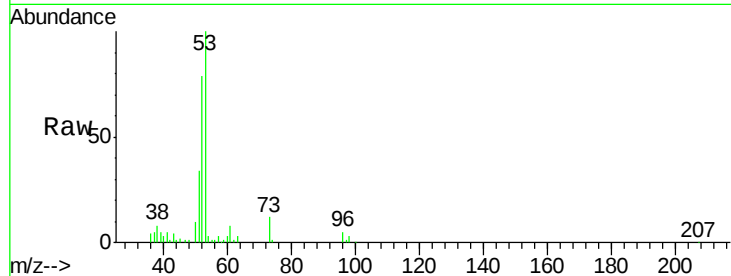
ClientSampleId :

VW0908SBS02

Tot Ion:	53	Resp:	50832
Ion Ratio	Lower	Upper	
53	100		
52	83.6	67.0	100.4
51	38.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 87.514 ug/l

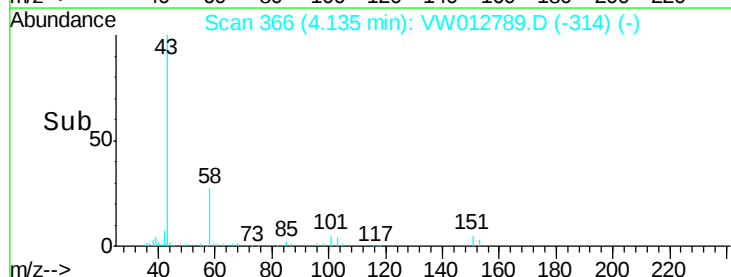
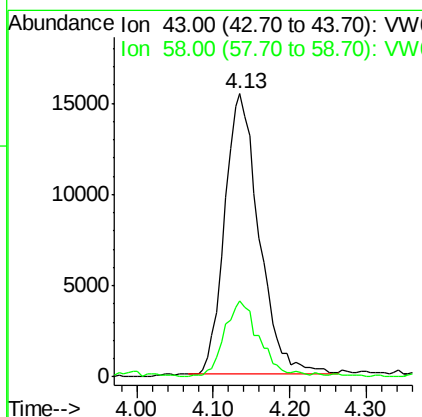
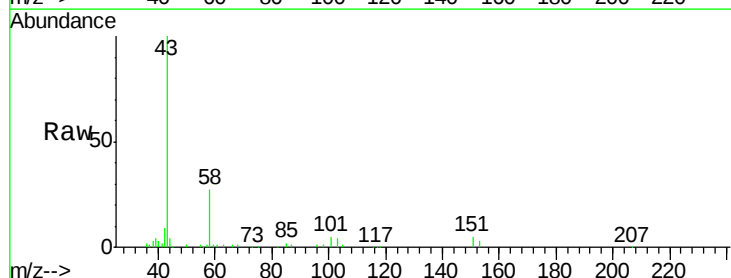
RT: 4.13 min Scan# 366

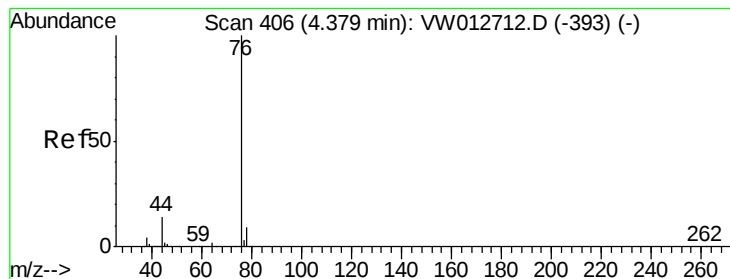
Delta R.T. 0.02 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	43	Resp:	47979
Ion Ratio	Lower	Upper	
43	100		
58	26.8	22.6	33.8





#17

Carbon Disulfide

Concen: 20.550 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 76 Resp: 64836

Ion Ratio Lower Upper

76 100

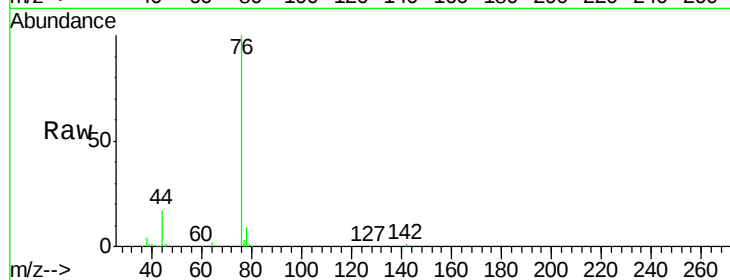
78 9.2 7.2 10.8

Manual Integrations

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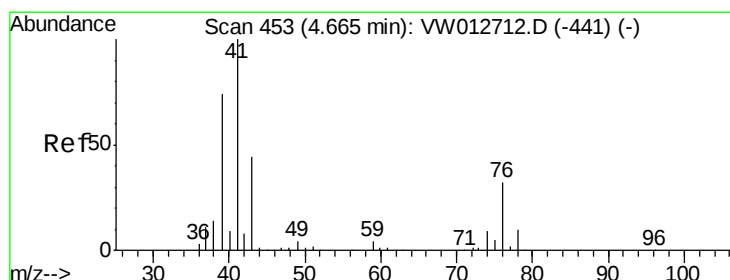
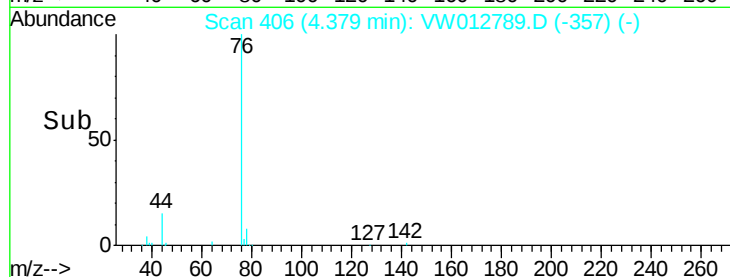
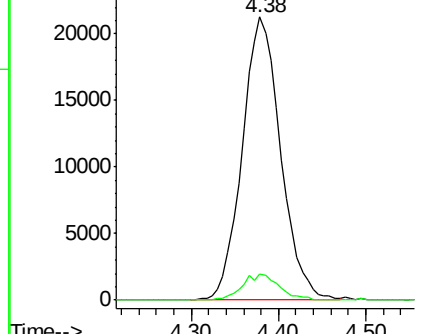
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.982 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012789.D

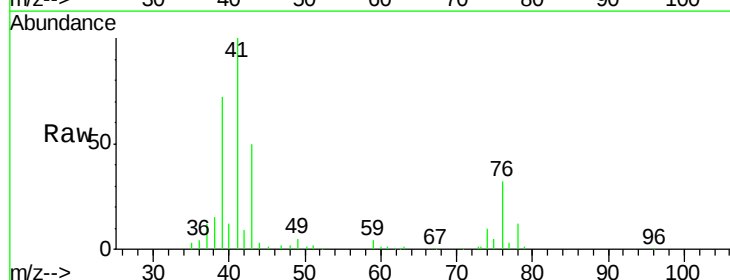
Acq: 09 Sep 2019 00:22

Tgt Ion: 43 Resp: 28275

Ion Ratio Lower Upper

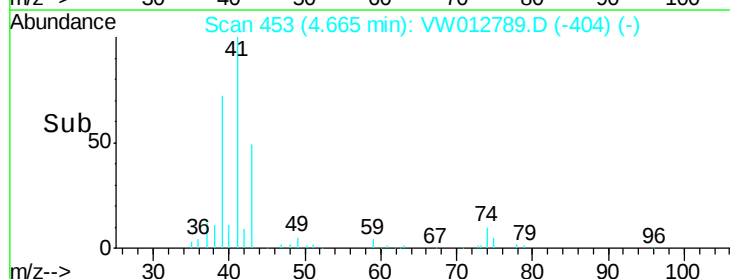
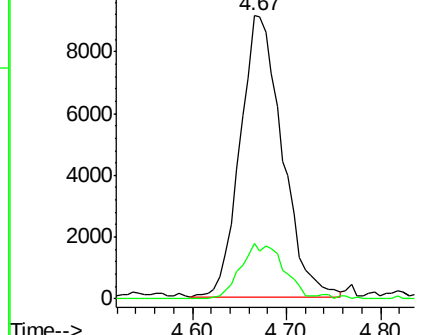
43 100

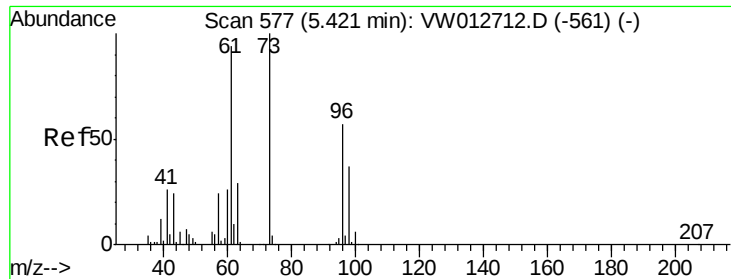
74 20.0 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





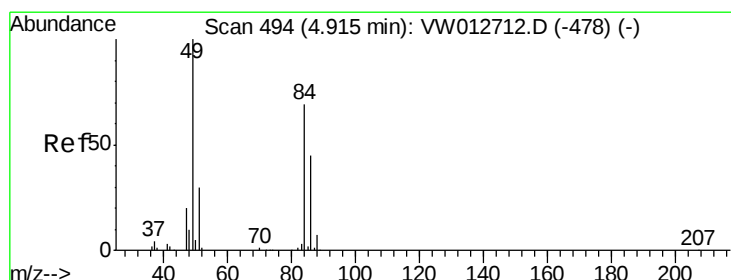
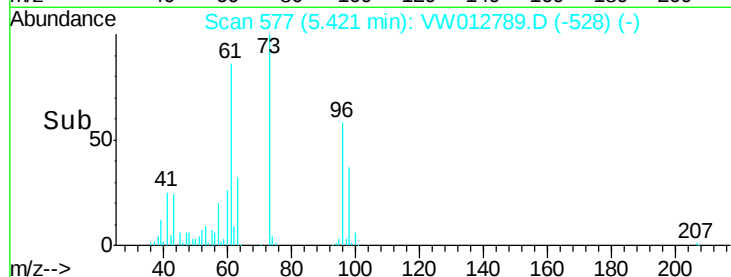
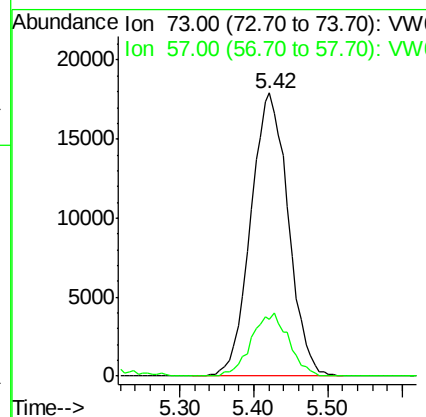
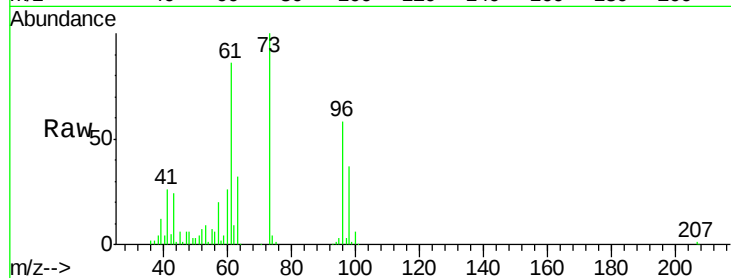
#19
Methvl tert-butvl Ether
Concen: 21.382 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	63030		
57	57	20.1		19.2	28.8

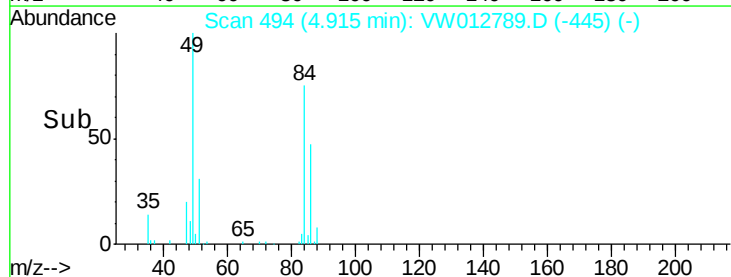
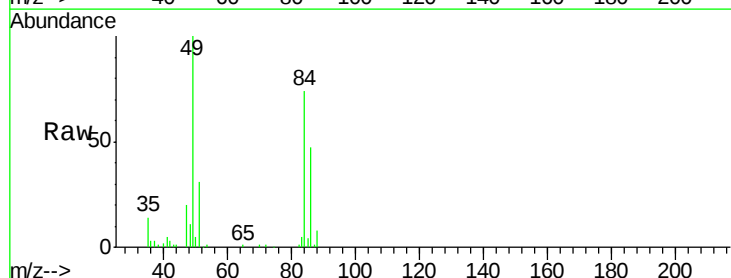
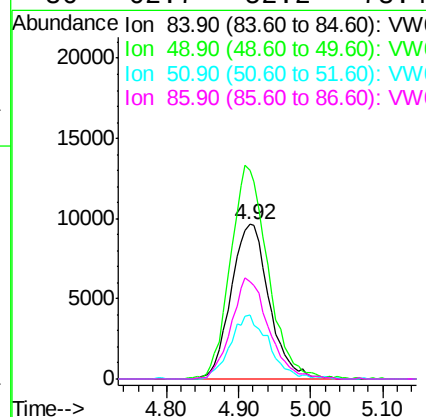
Manual Integrations
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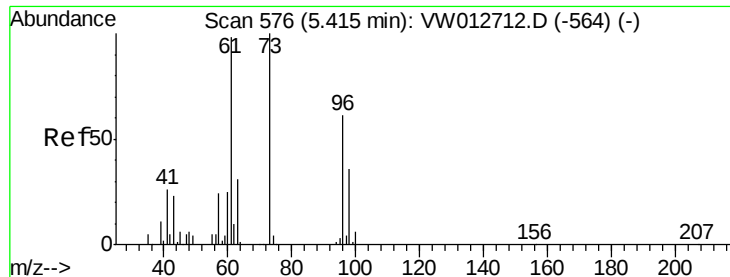
MMDadoda
9/9/2019 11:24:48 AM



#20
Methylene Chloride
Concen: 20.690 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	84	100	35488		
49	49	134.1		115.4	173.0
51	51	41.5		34.9	52.3
86	86	62.7		52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 20.816 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 96 Resp: 31569

Ion Ratio Lower Upper

96 100

61 144.5 129.2 193.8

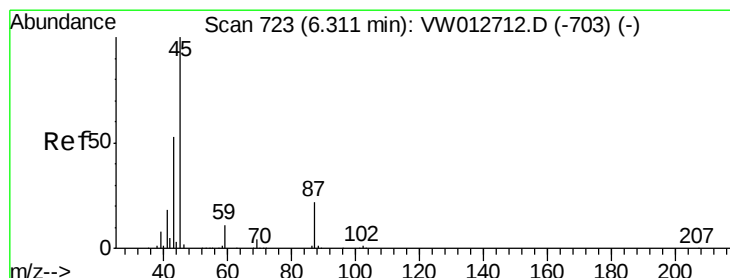
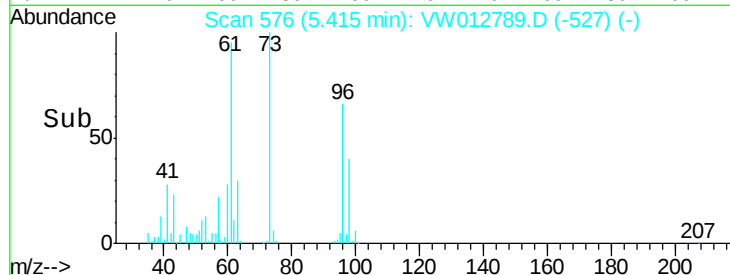
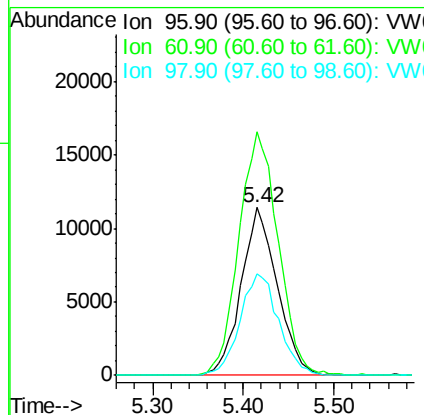
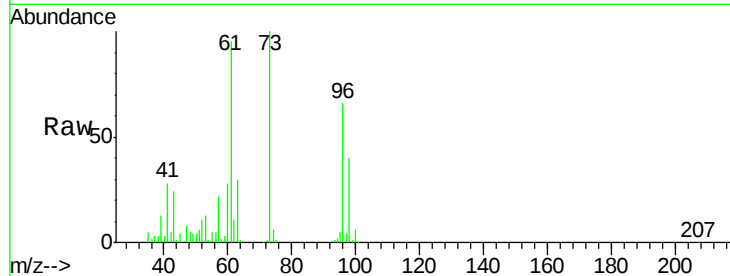
98 60.2 48.0 72.0

Manual Integrations

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MMDadoda

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#22

Diisopropyl ether

Concen: 19.988 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion: 45 Resp: 121892

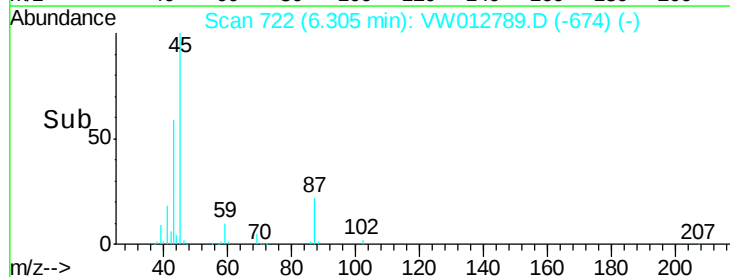
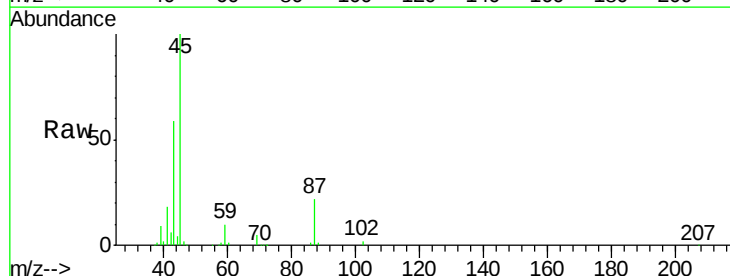
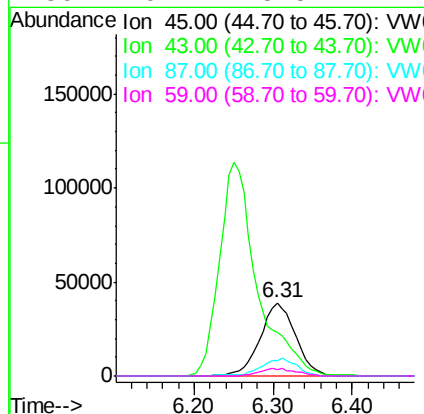
Ion Ratio Lower Upper

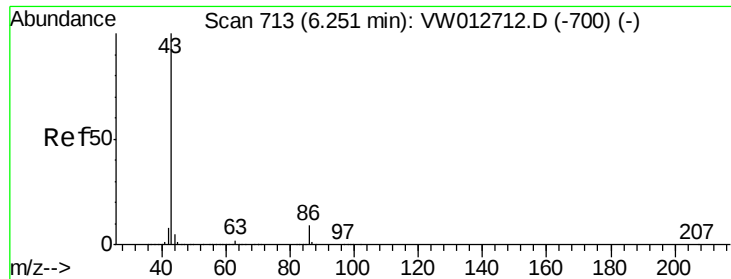
45 100

43 57.5 42.3 63.5

87 21.4 18.2 27.2

59 9.4 8.5 12.7





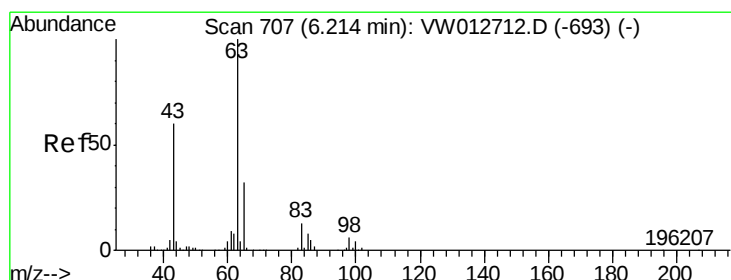
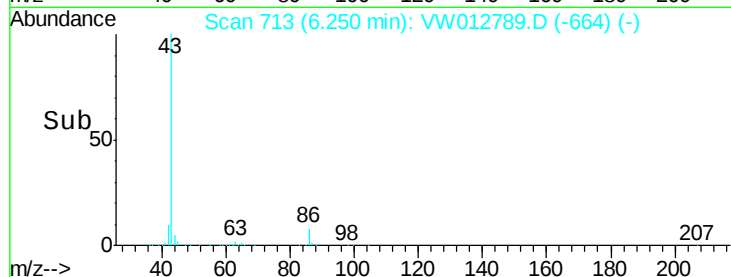
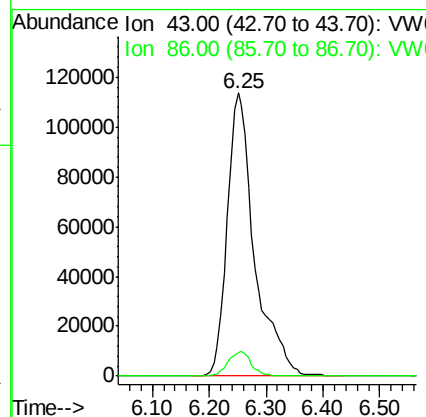
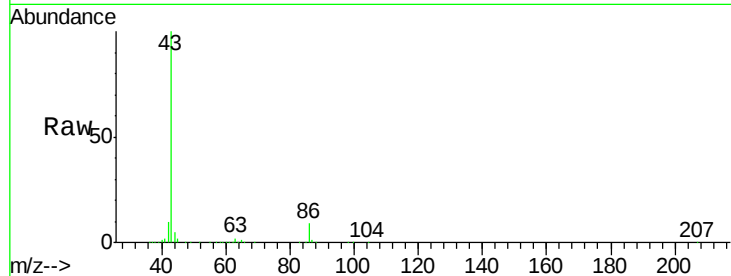
#23
 Vinyl Acetate
 Concen: 97.981 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.5	7.0	10.6

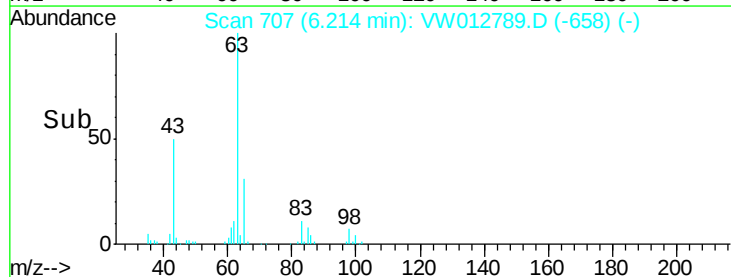
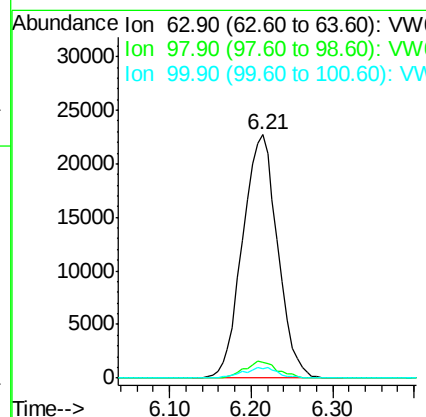
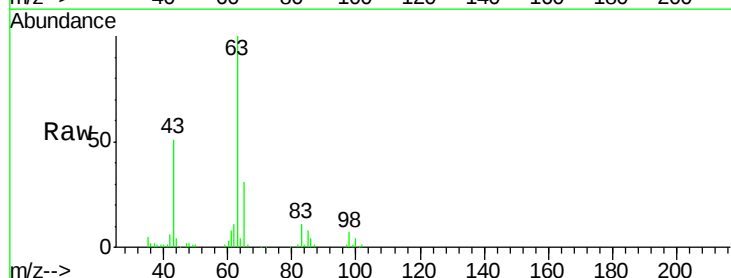
Manual Integrations
 APPROVED

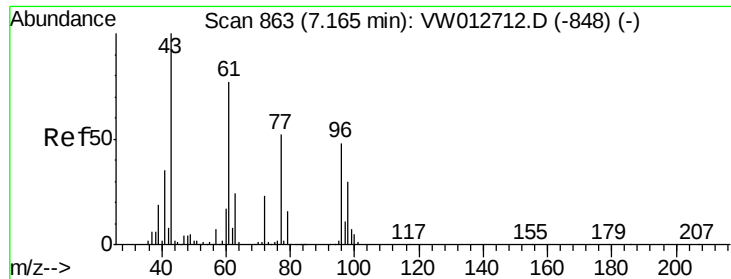
MMDadoda
 9/9/2019 11:24:48 AM



#24
 1,1-Dichloroethane
 Concen: 20.588 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.1	9.3
100	3.8	1.8	5.5





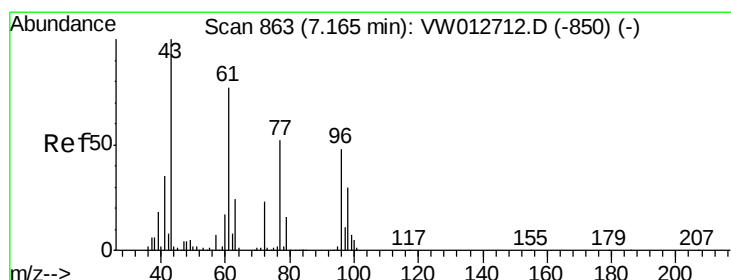
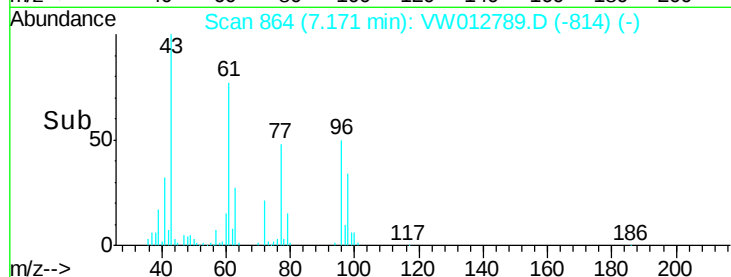
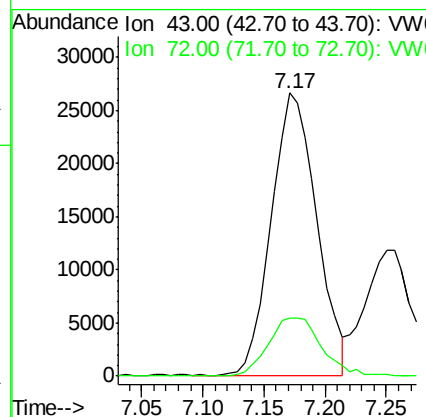
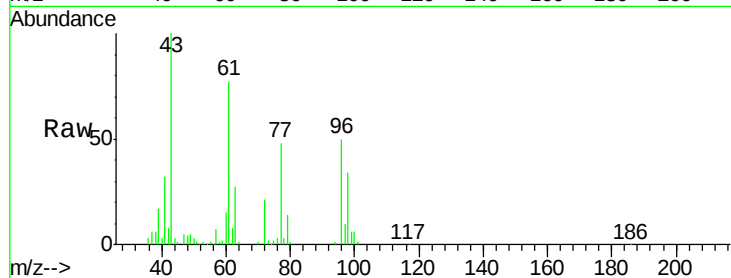
#25
2-Butanone
Concen: 98.677 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion: 43 Resp: 69218
Ion Ratio Lower Upper
43 100
72 20.8 18.0 27.0

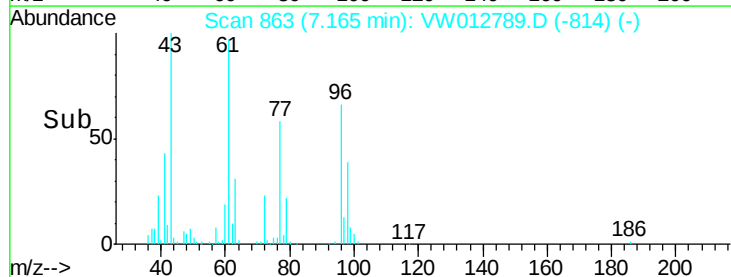
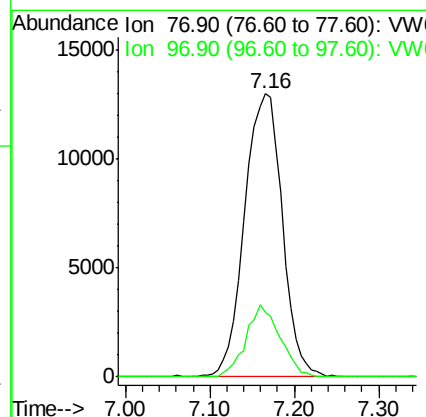
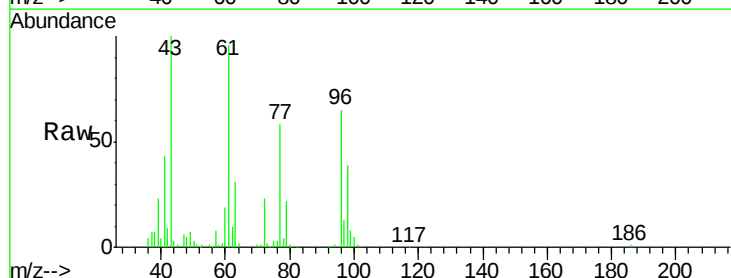
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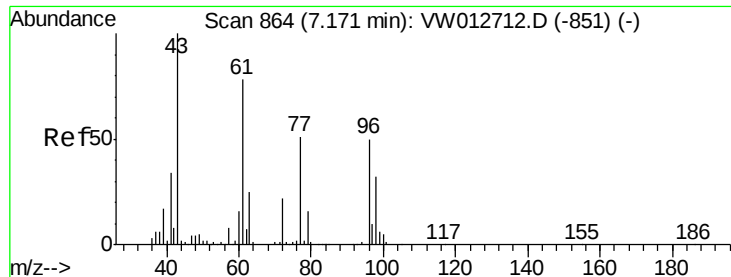
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#26
2,2-Dichloropropane
Concen: 19.043 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion: 77 Resp: 39493
Ion Ratio Lower Upper
77 100
97 22.9 10.7 32.1





#27

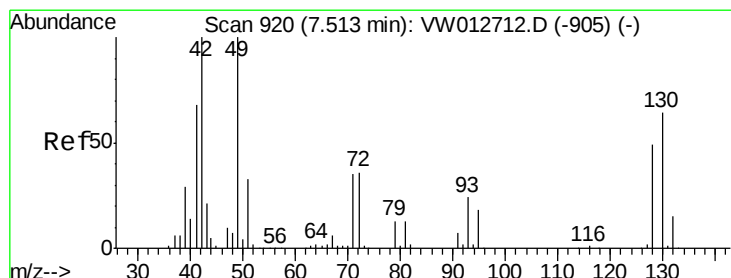
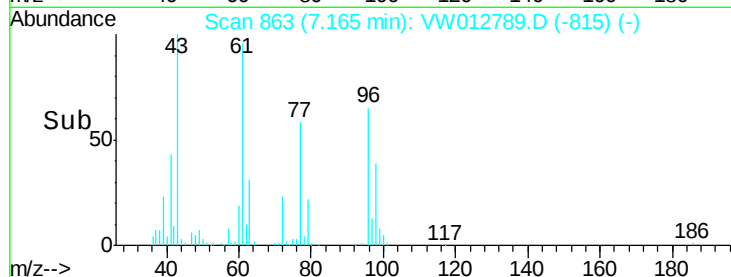
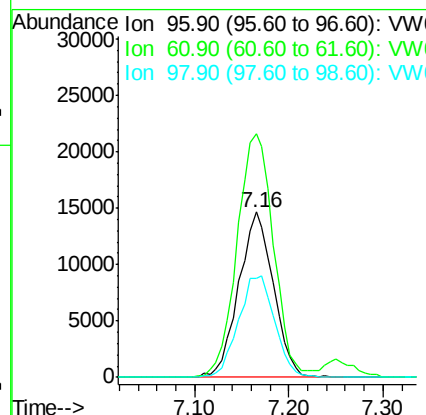
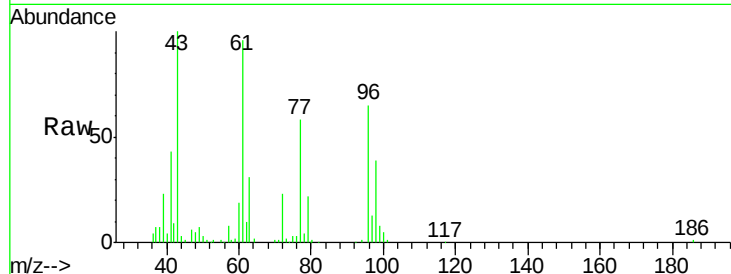
cis-1,2-Dichloroethene
 Concen: 21.324 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	325.8
98	64.4	0.0	127.0

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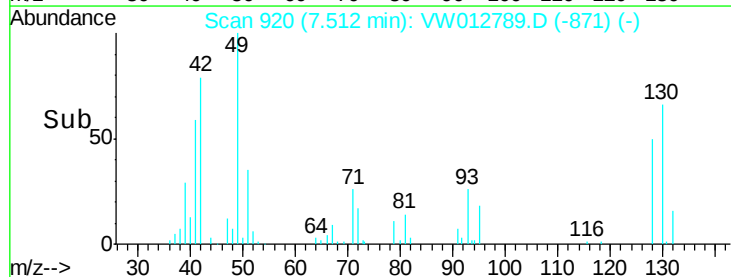
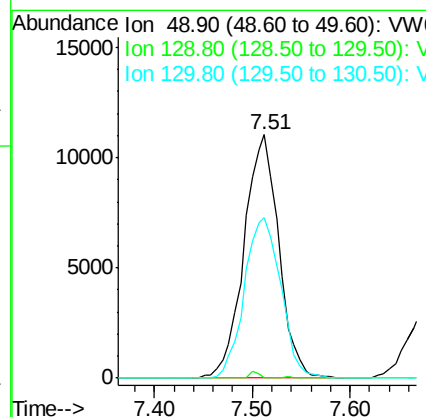
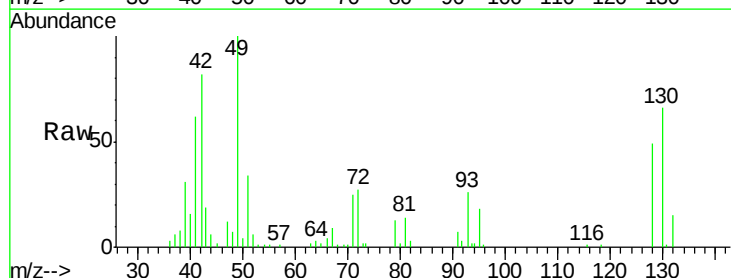
MMDadoda
 9/9/2019 11:24:48 AM



#28

Bromochloromethane
 Concen: 18.085 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	0.8
130	69.1	49.8	74.8





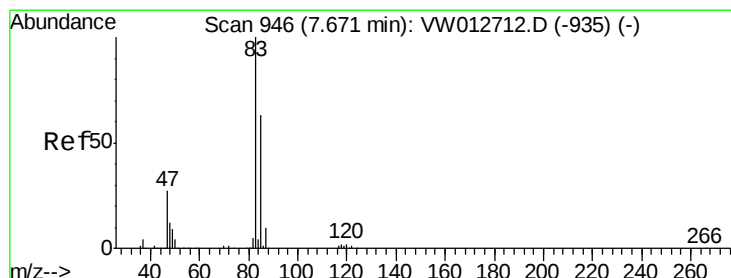
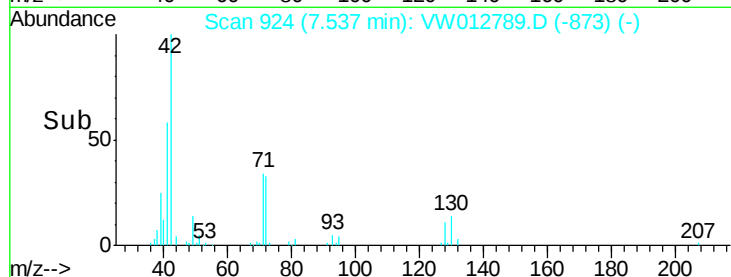
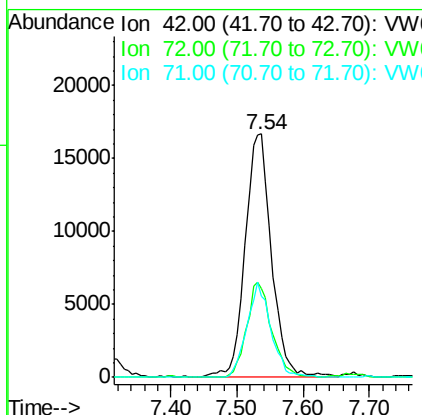
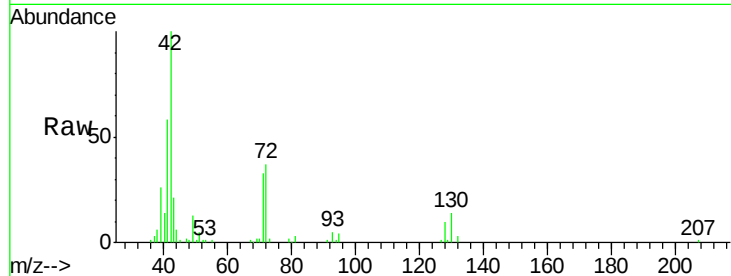
#29
Tetrahydrofuran
Concen: 105.049 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	28.4	42.6
71	35.2	27.1	40.7

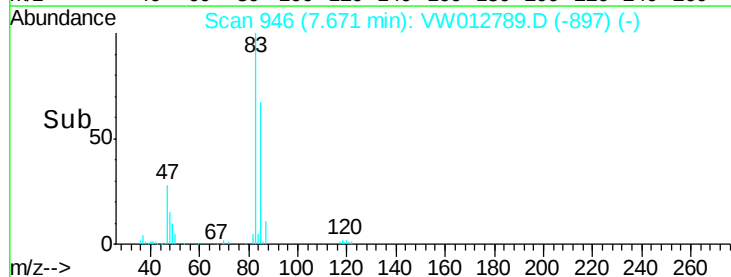
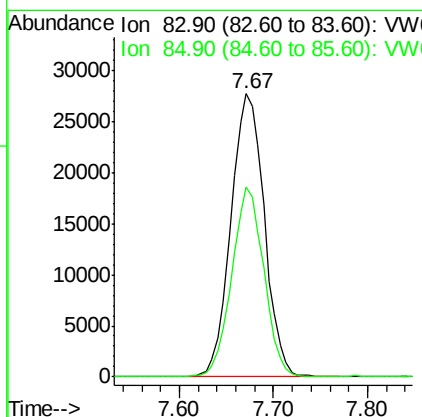
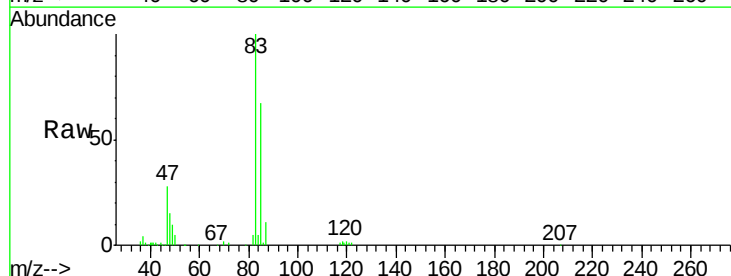
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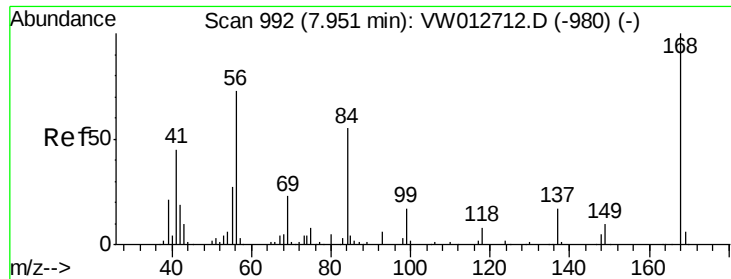
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#30
Chloroform
Concen: 21.031 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.6	76.0





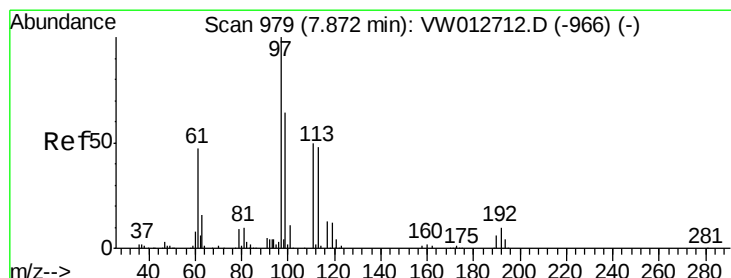
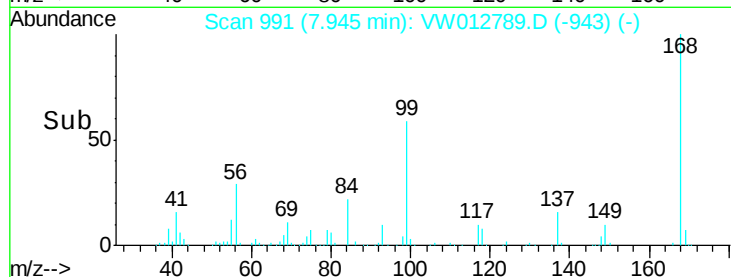
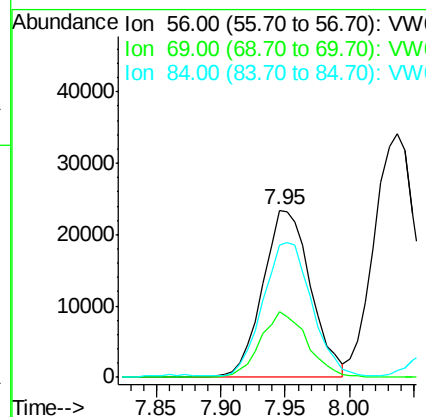
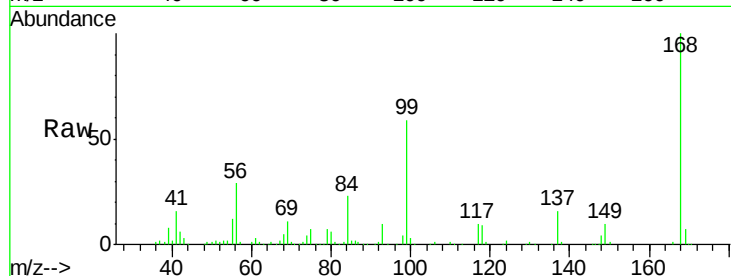
#31
Cyclohexane
Concen: 20.461 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	25.7	38.5#
84	77.6	60.4	90.6

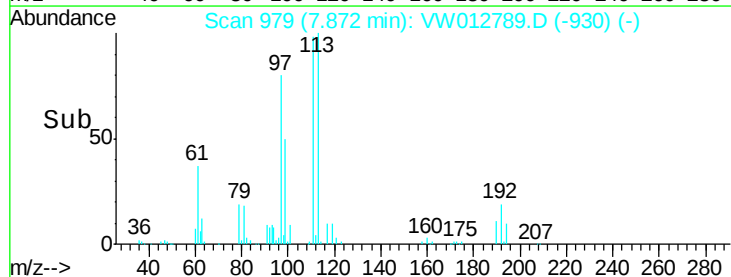
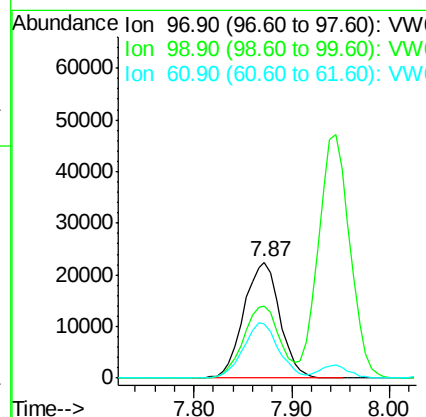
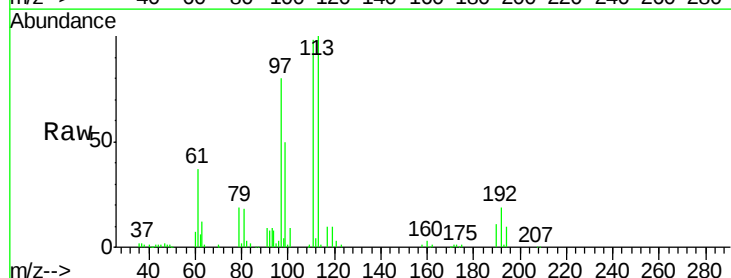
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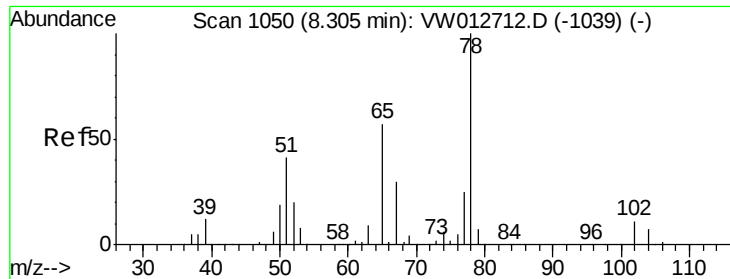
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#32
1,1,1-Trichloroethane
Concen: 21.707 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.5	77.3
61	47.2	37.9	56.9





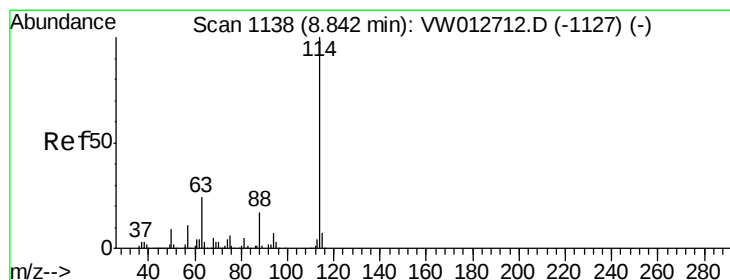
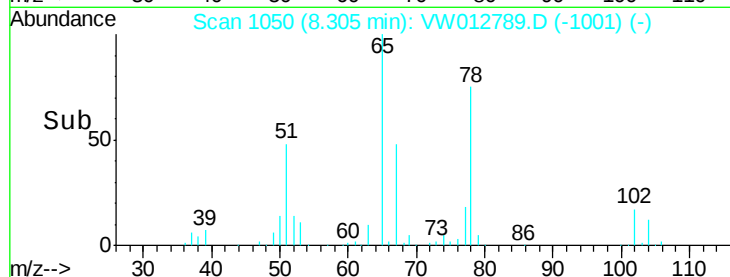
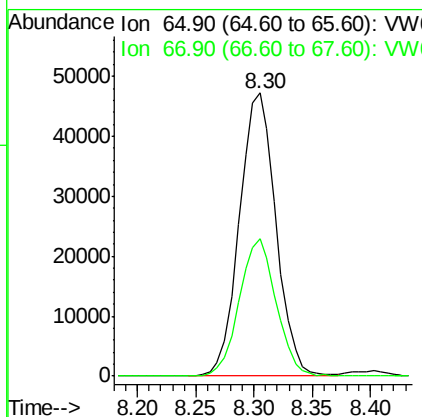
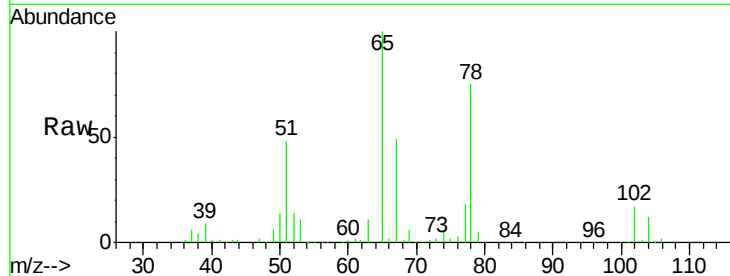
#33
 1,2-Dichloroethane-d4
 Concen: 51.341 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	103248		
67	49.0	0.0	101.8	

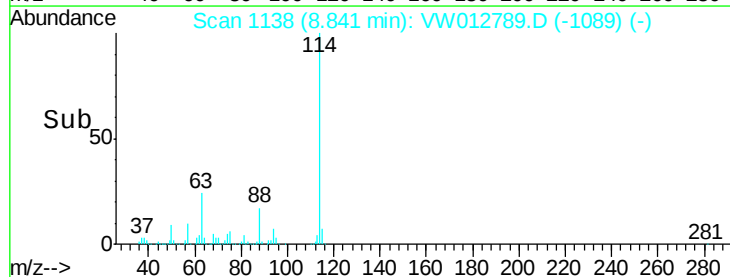
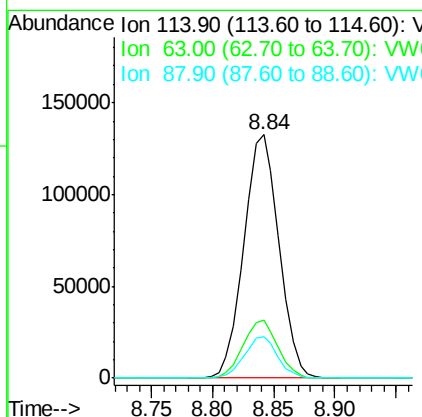
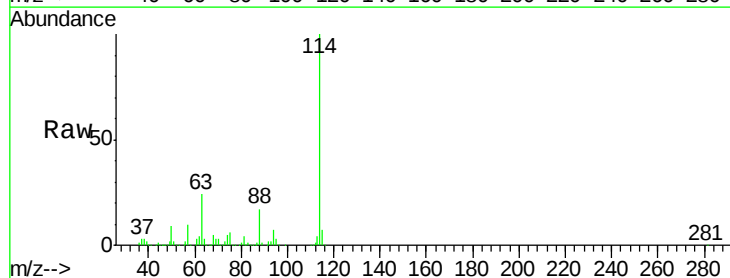
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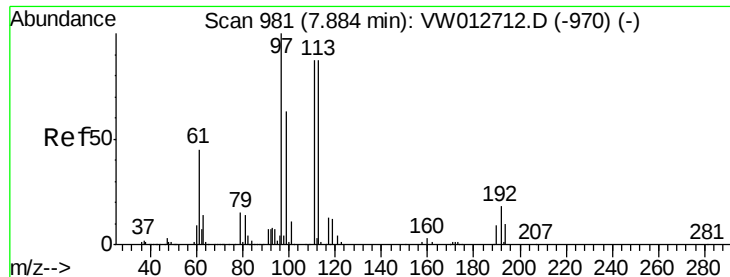
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	265065		
63	24.0	0.0	47.2	
88	16.9	0.0	34.0	





#35

Dibromofluoromethane

Concen: 49.181 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

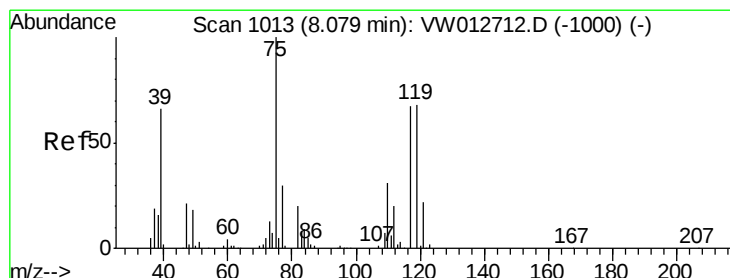
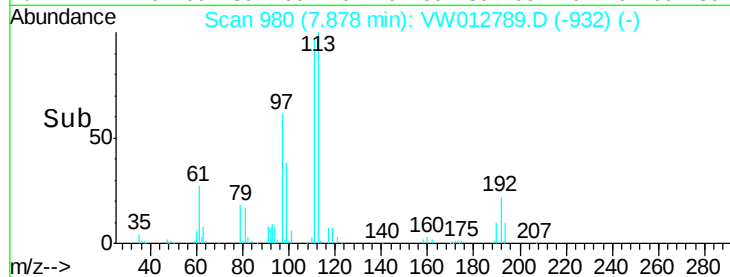
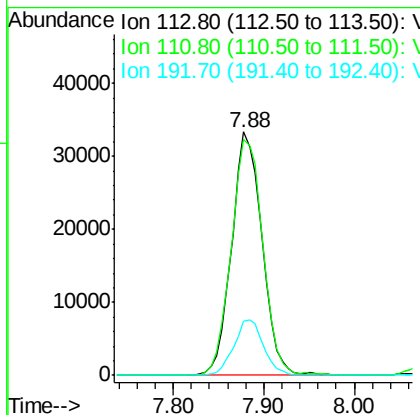
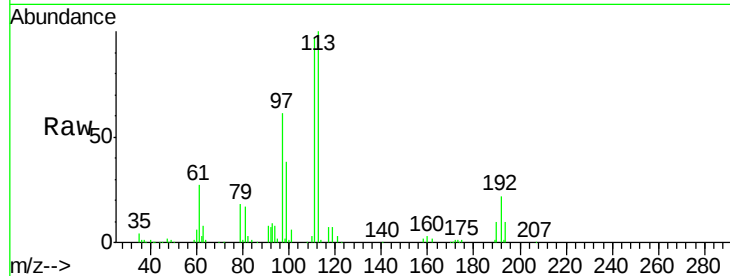
ClientSampled :

VW0908SBS02

Tot Ion:	113	Resp:	77504
Ion Ratio	Lower	Upper	
113	100		
111	100.4	80.2	120.4
192	22.4	17.3	25.9

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#36

1,1-Dichloropropene

Concen: 21.550 ug/l

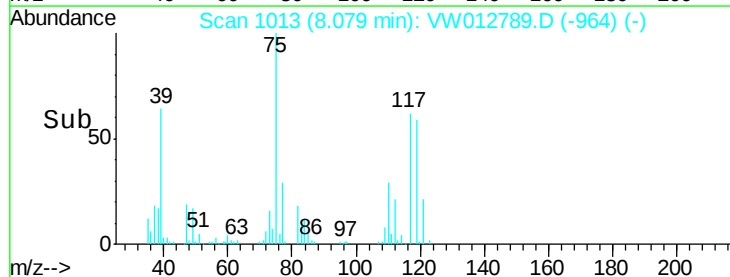
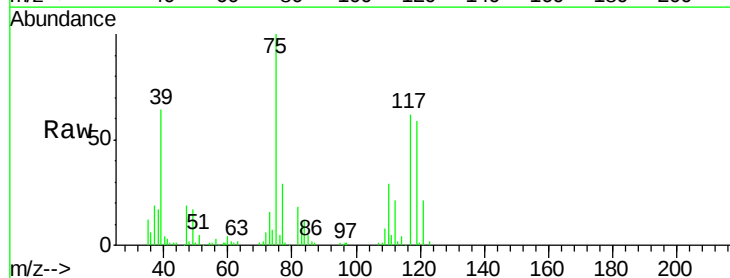
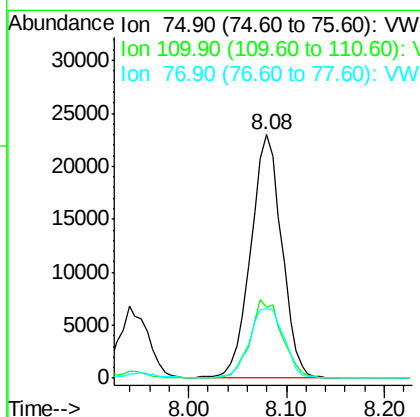
RT: 8.08 min Scan# 1013

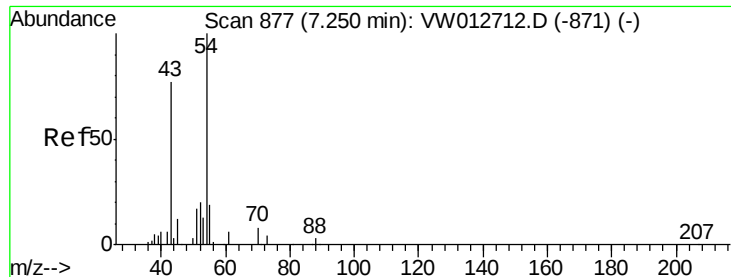
Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	75	Resp:	50753
Ion Ratio	Lower	Upper	
75	100		
110	33.1	15.9	47.7
77	32.4	25.0	37.4





#37

Ethyl Acetate

Concen: 20.851 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

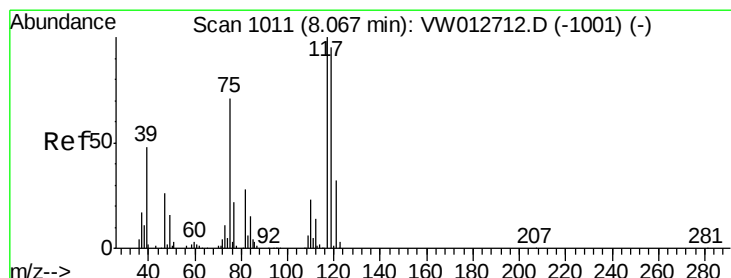
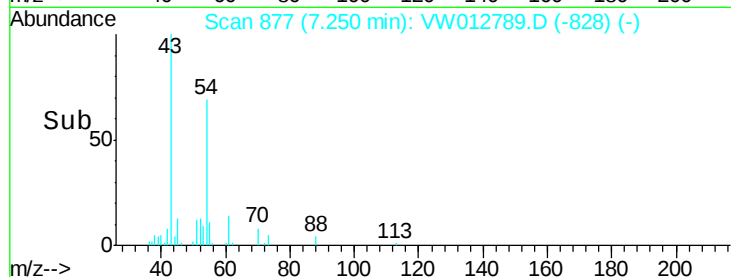
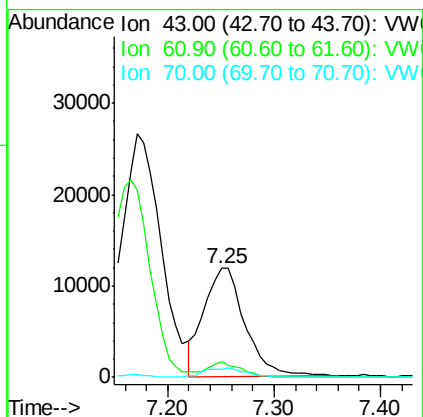
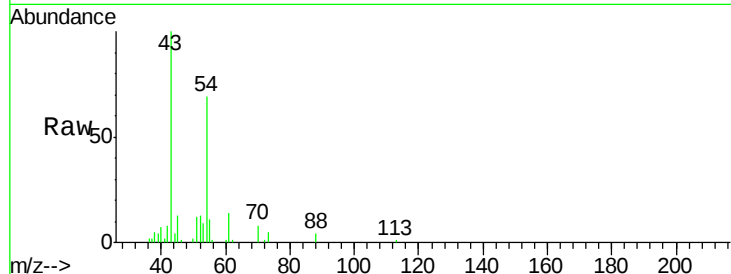
ClientSampleID :

VW0908SBSD02

Tot Ion:	43	Resp:	31305
Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.5	14.3
70	9.3	7.0	10.6

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#38

Carbon Tetrachloride

Concen: 22.214 ug/l

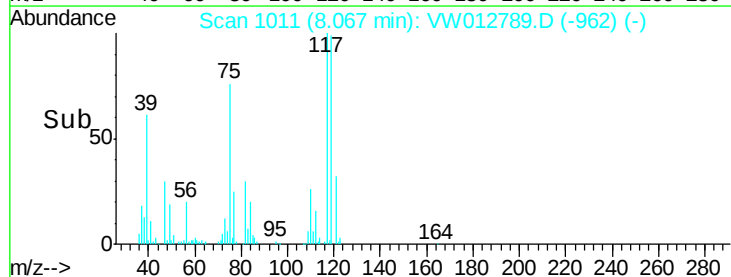
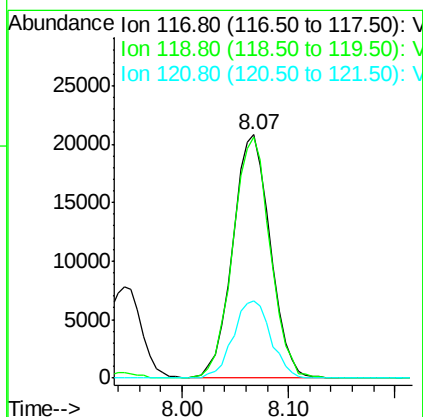
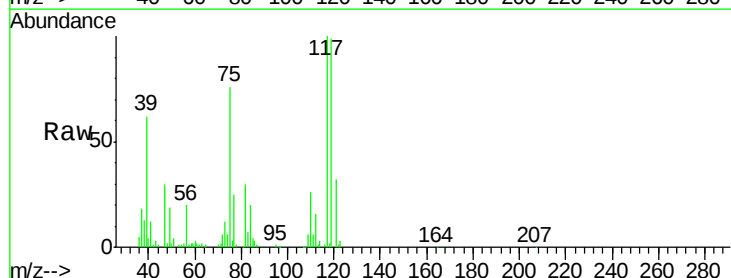
RT: 8.07 min Scan# 1011

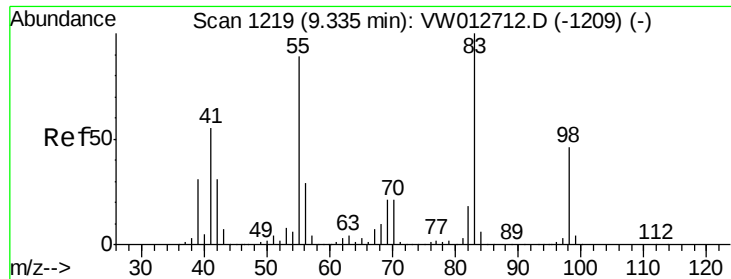
Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	117	Resp:	51572
Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.2	114.2
121	31.7	25.4	38.2





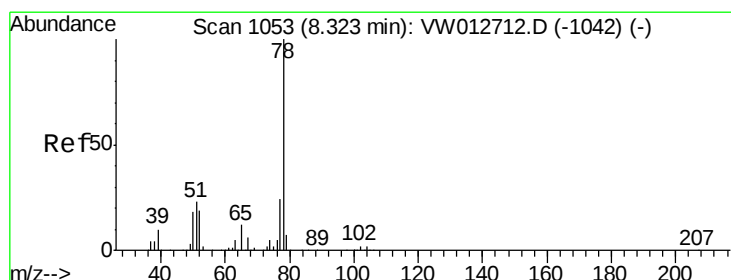
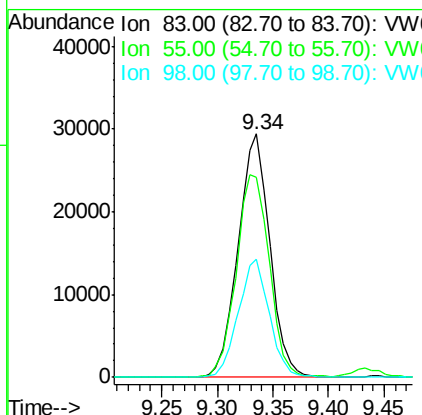
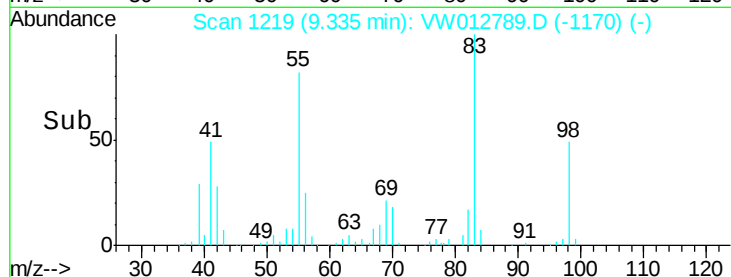
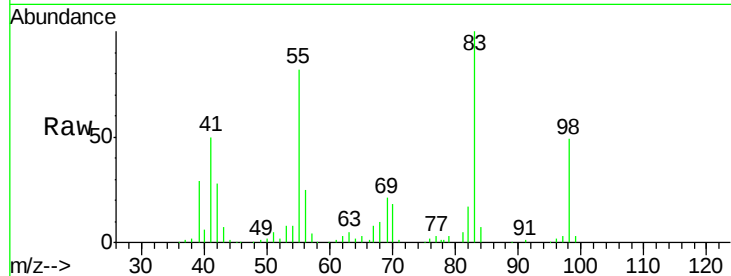
#39
Methvlcvclohexane
Concen: 21.938 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	83	Resp	58031
Ion Ratio	100	Lower	Upper
83	100		
55	82.1	71.0	106.4
98	48.8	36.9	55.3

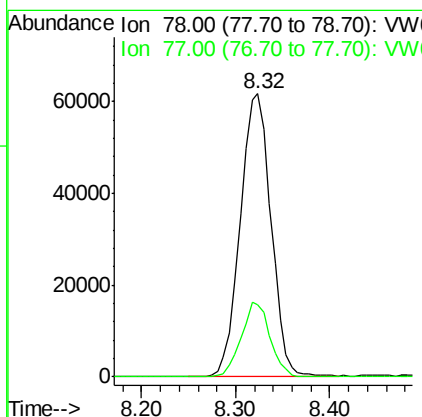
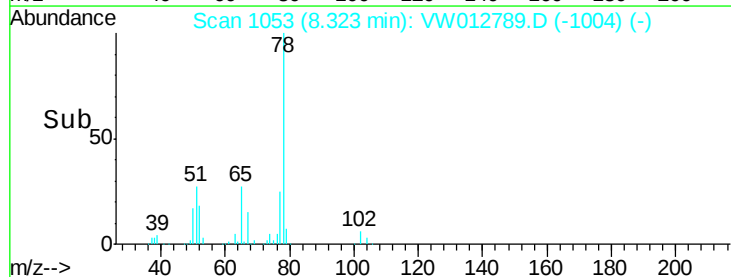
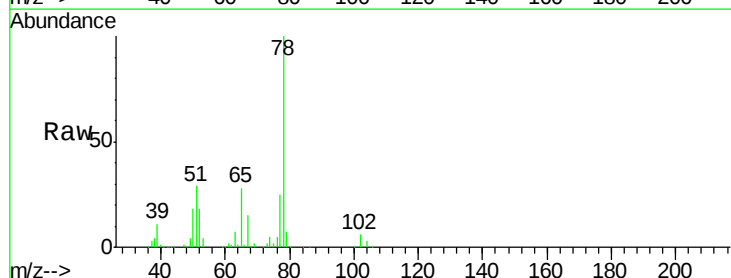
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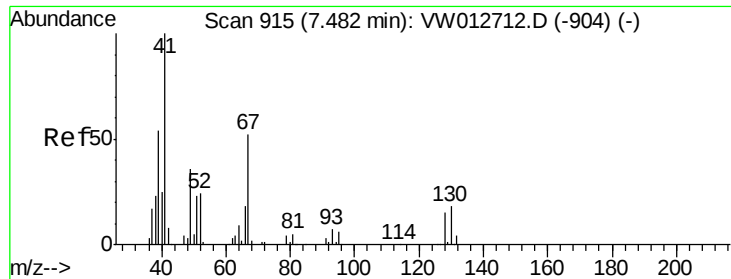
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#40
Benzene
Concen: 21.446 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	78	Resp	140136
Ion Ratio	100	Lower	Upper
78	100		
77	25.4	19.3	28.9





#41

Methacrylonitrile

Concen: 21.855 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

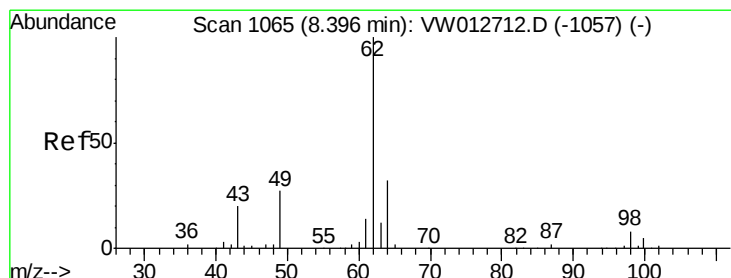
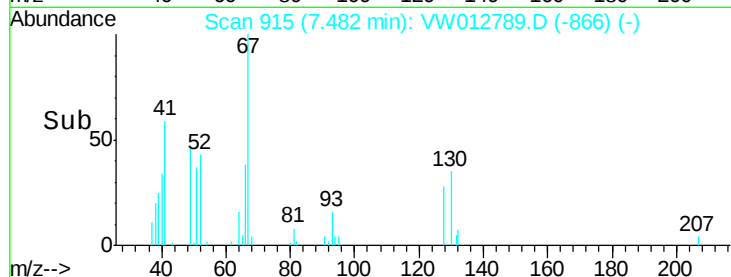
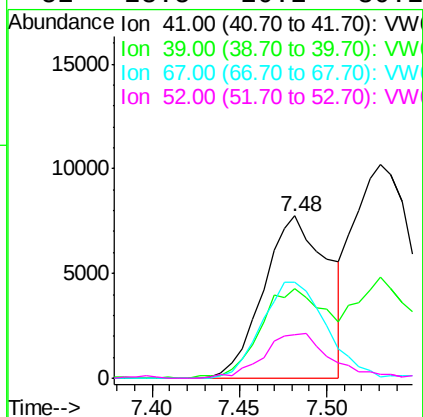
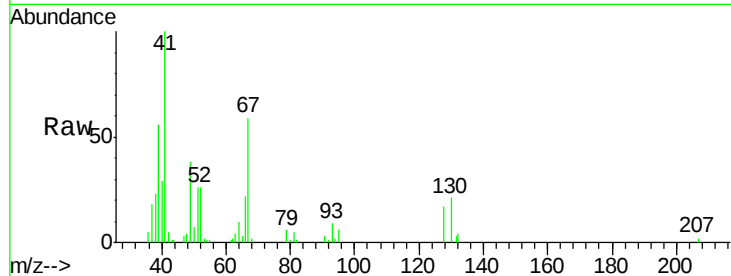
ClientSampleId :

VW0908SBS02

Tot Ion	41	Resp	19916
Ion	Ratio	Lower	Upper
41	100		
39	57.5	47.5	71.3
67	59.4	45.1	67.7
52	28.5	20.2	30.2

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#42

1,2-Dichloroethane

Concen: 22.221 ug/l

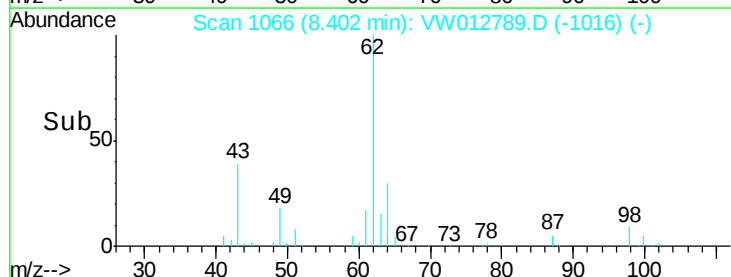
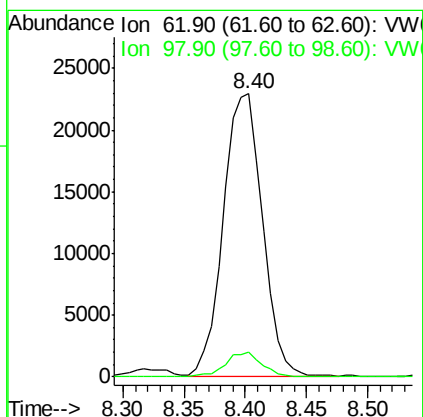
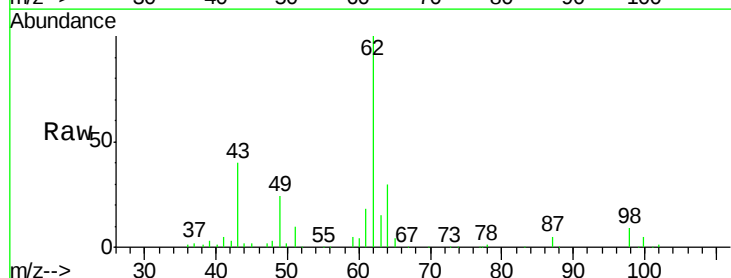
RT: 8.40 min Scan# 1066

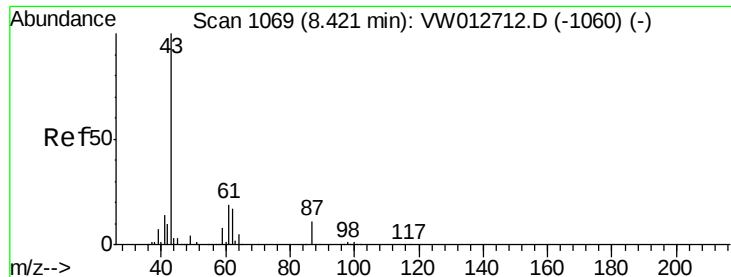
Delta R.T. 0.01 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion	62	Resp	51101
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 20.618 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

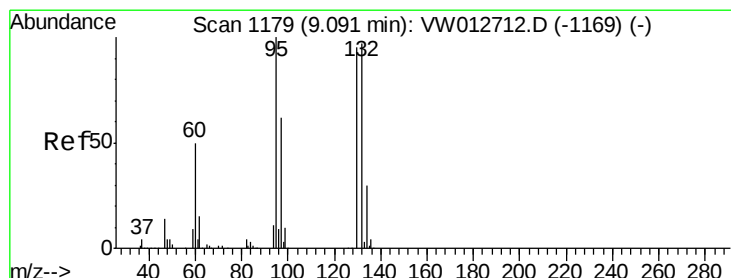
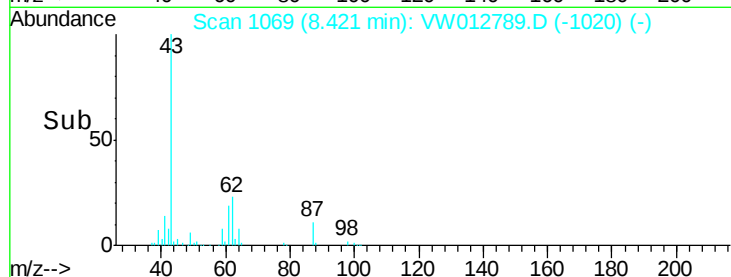
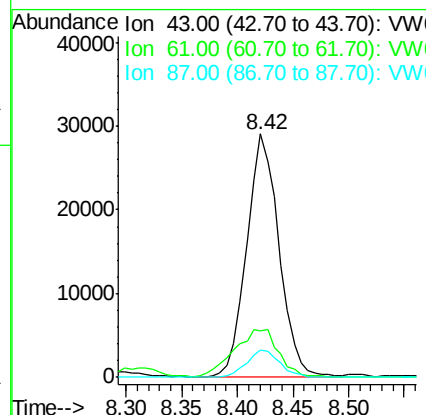
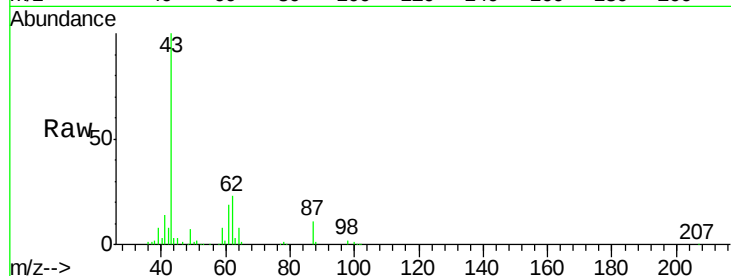
ClientSampleId :

VW0908SBS02

Tot Ion:	43	Resp:	58645
Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.6	30.8
87	11.6	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 22.010 ug/l

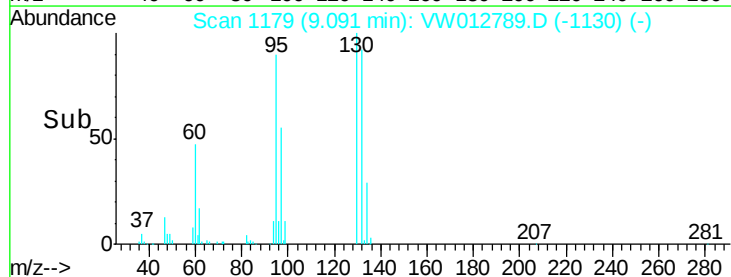
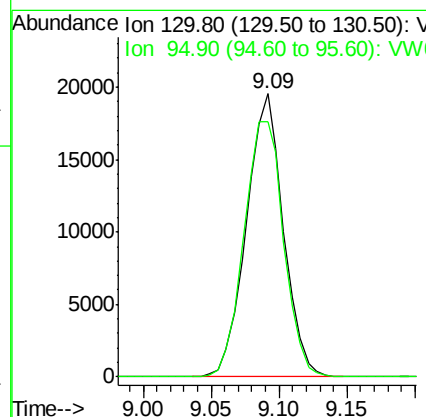
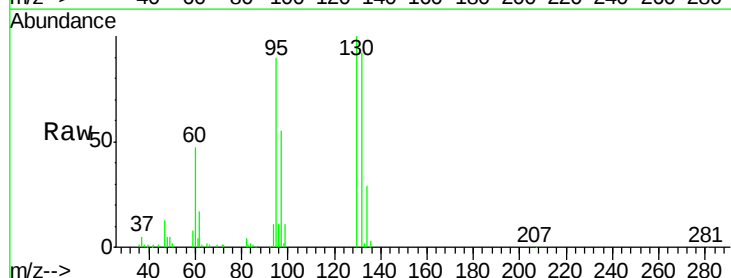
RT: 9.09 min Scan# 1179

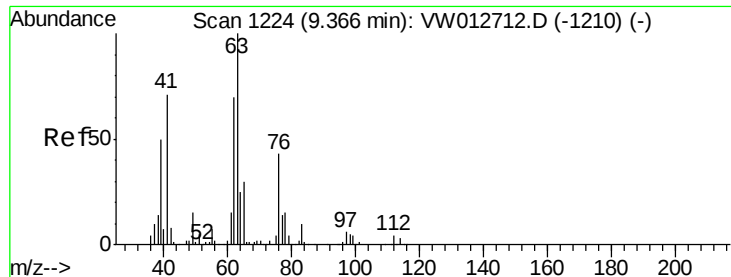
Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	130	Resp:	37074
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	210.6





#45

1,2-Dichloropropane

Concen: 19.823 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 63 Resp: 35926

Ion Ratio Lower Upper

63 100

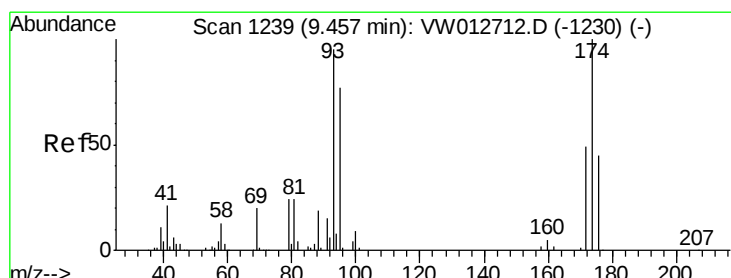
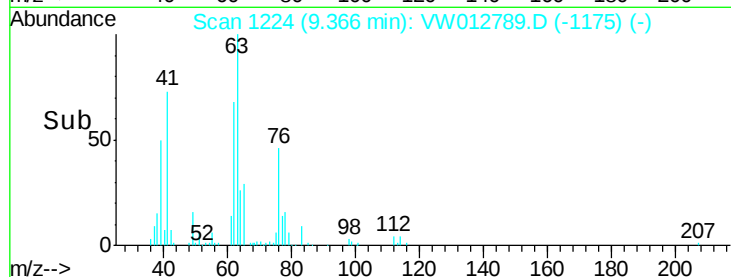
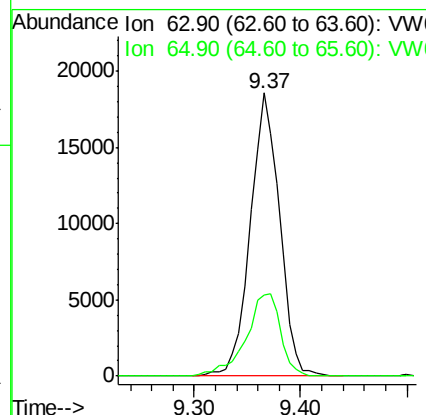
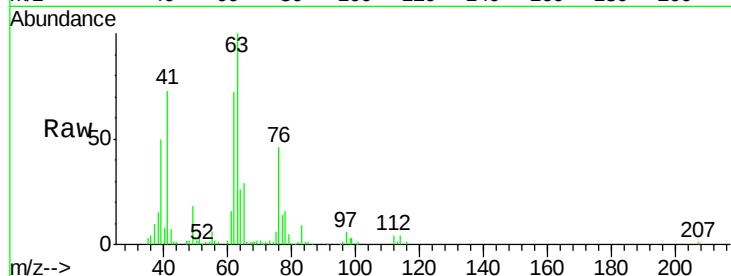
65 28.8 23.8 35.8

Manual Integrations

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9/9/2019 11:24:48 AM



#46

Dibromomethane

Concen: 22.243 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

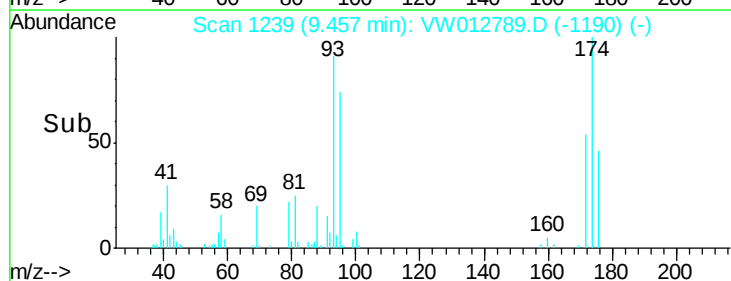
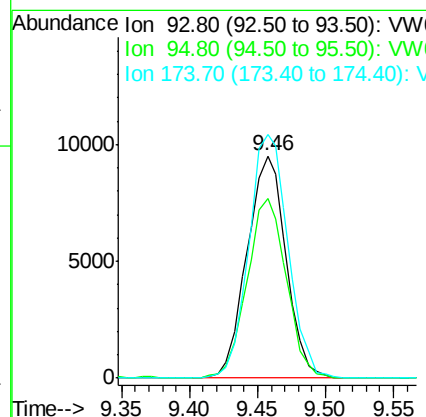
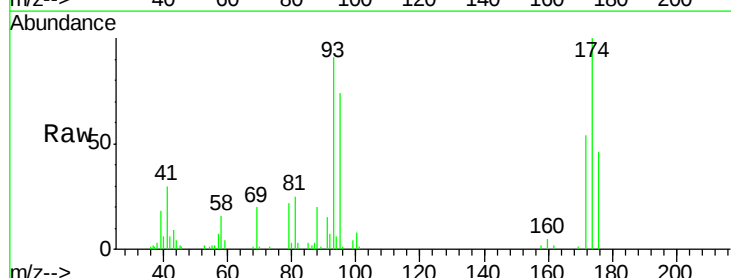
Tgt Ion: 93 Resp: 19089

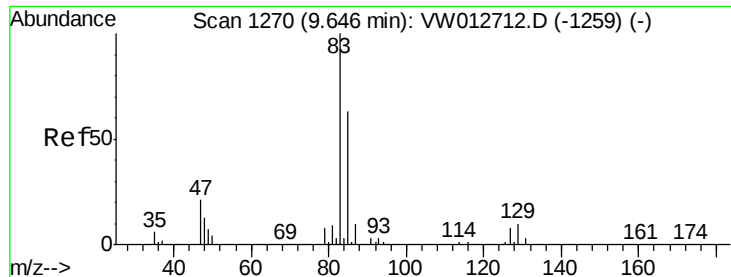
Ion Ratio Lower Upper

93 100

95 81.1 65.2 97.8

174 110.5 84.2 126.4





#47

Bromodichloromethane

Concen: 20.983 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

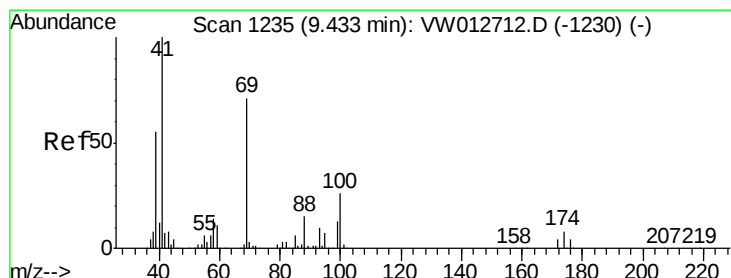
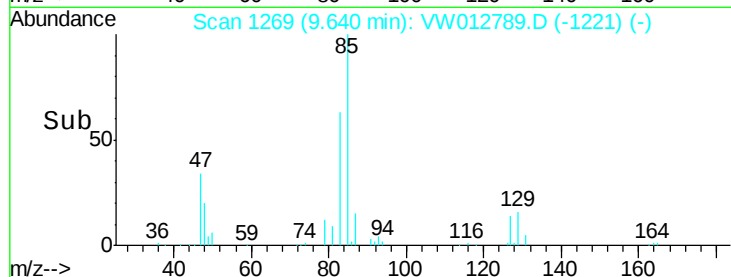
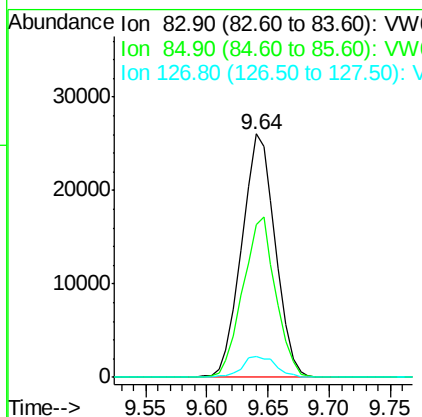
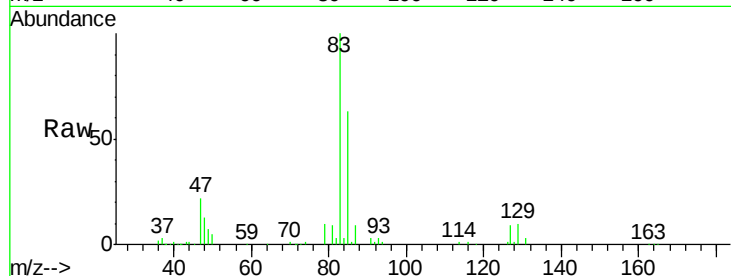
ClientSampleId :

VW0908SBS02

Tot Ion:	83	Resp:	49543
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.2	75.2
127	8.7	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.488 ug/l

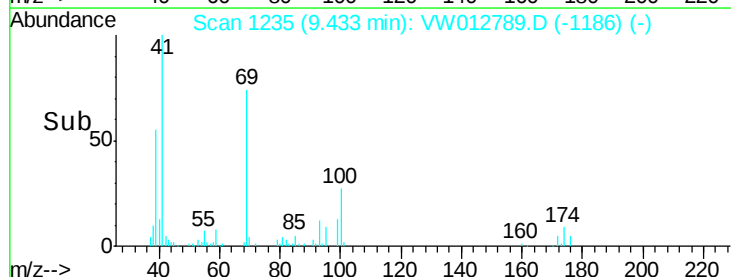
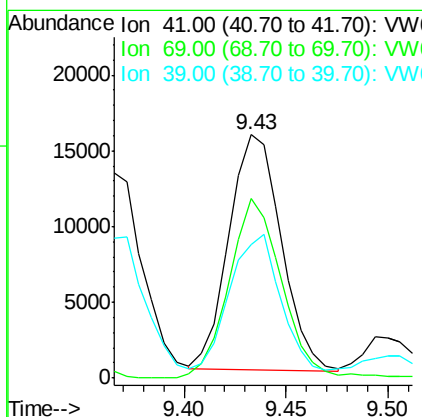
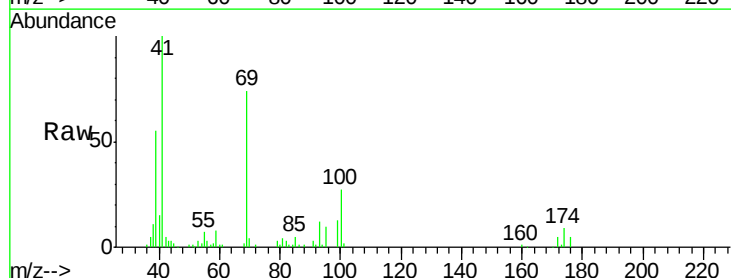
RT: 9.43 min Scan# 1235

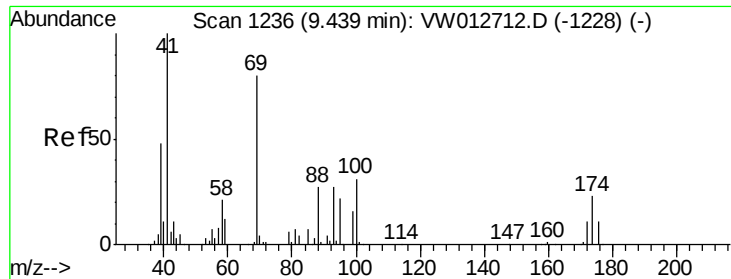
Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	41	Resp:	27850
Ion	Ratio	Lower	Upper
41	100		
69	76.6	59.8	89.8
39	55.5	47.0	70.6





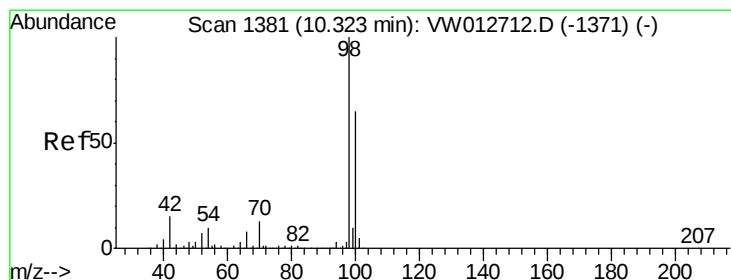
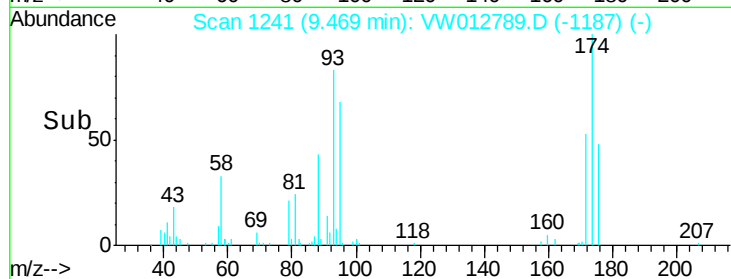
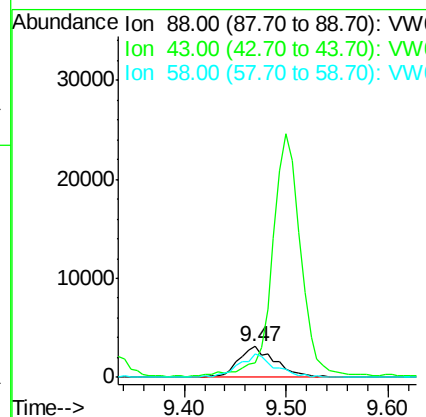
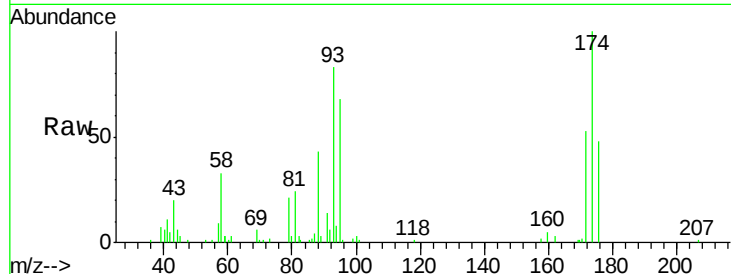
#49
1,4-Dioxane
Concen: 453.921 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	7695		
43	0.0	34.8	52.2#	
58	75.6	64.1	96.1	

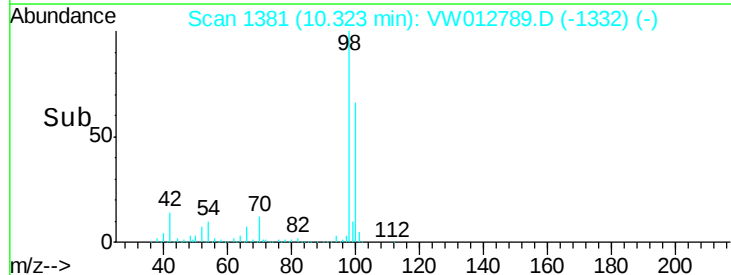
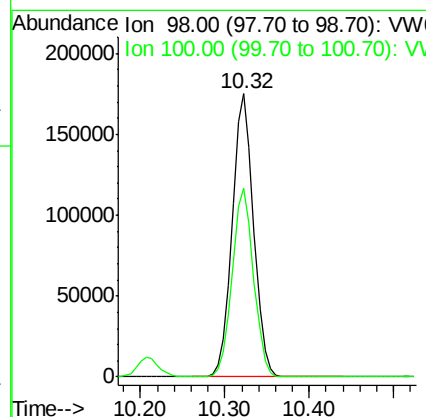
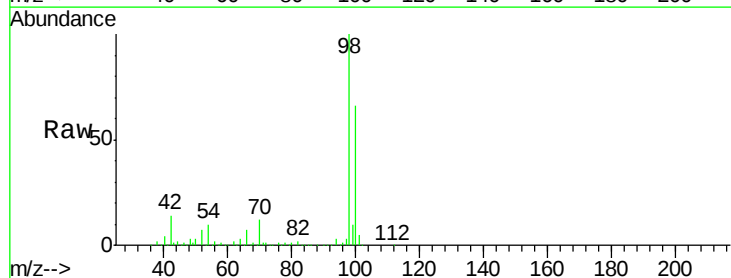
Manual Integrations
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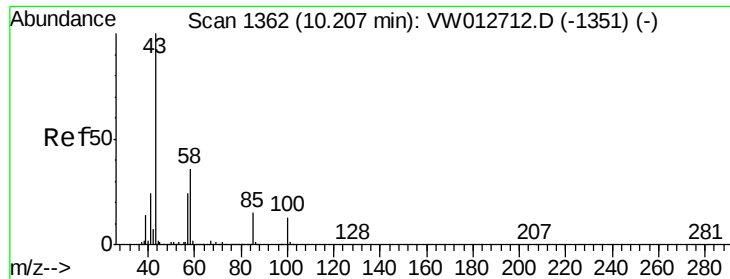
MMDadoda
9/9/2019 11:24:48 AM



#50
Toluene-d8
Concen: 48.932 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	302106		
100	66.7	52.2	78.4	





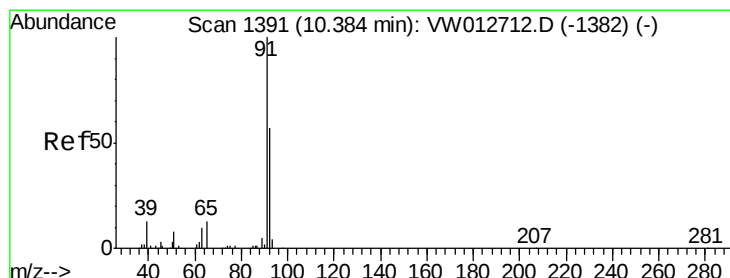
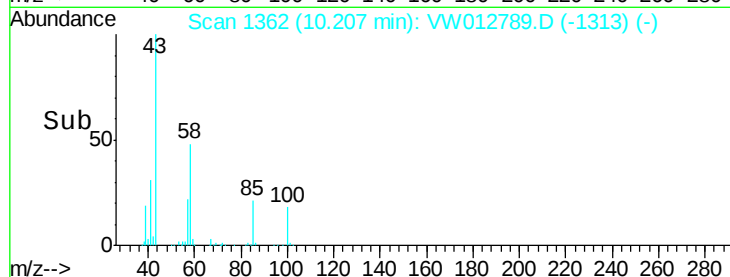
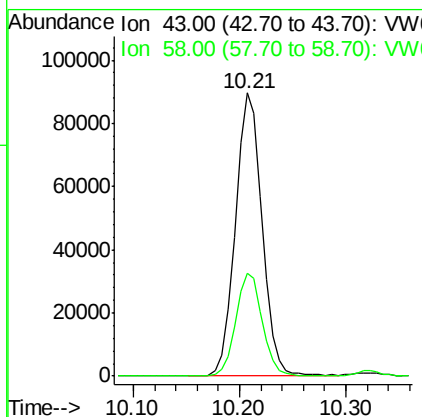
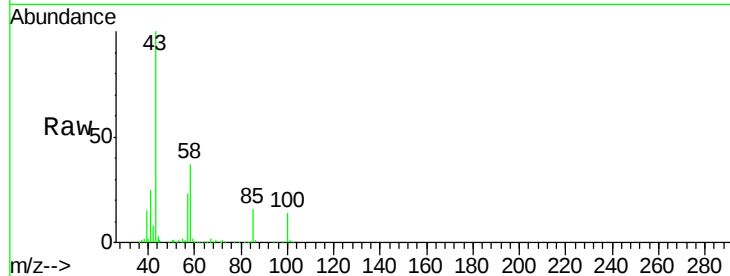
#51
 4-Methyl-2-Pentanone
 Concen: 105.836 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0908SBS02

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	36.1	28.4	42.6	

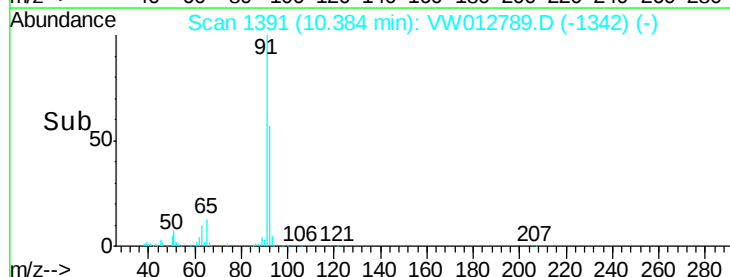
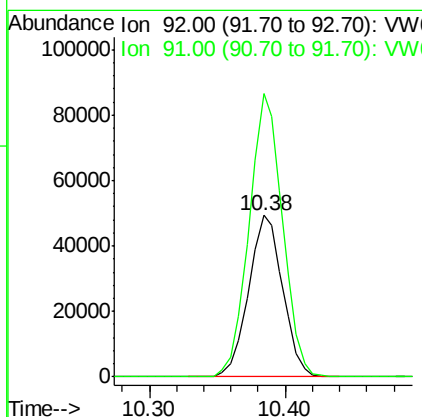
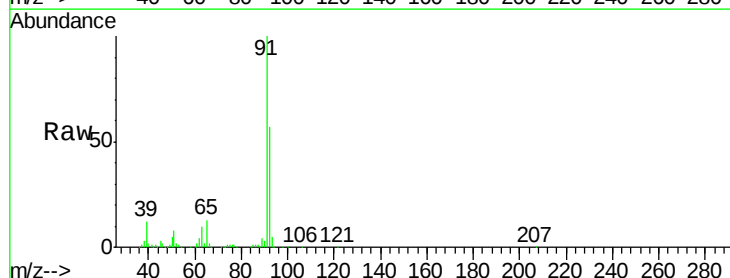
Manual Integrations
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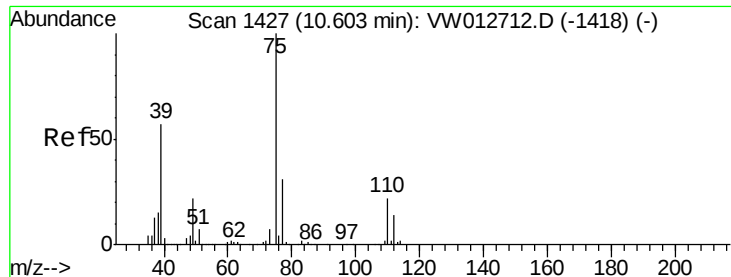
MMDadoda
 9/9/2019 11:24:48 AM



#52
 Toluene
 Concen: 21.240 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion	Ion	Ratio	Lower	Upper
92	100			
91	172.1	137.0	205.4	





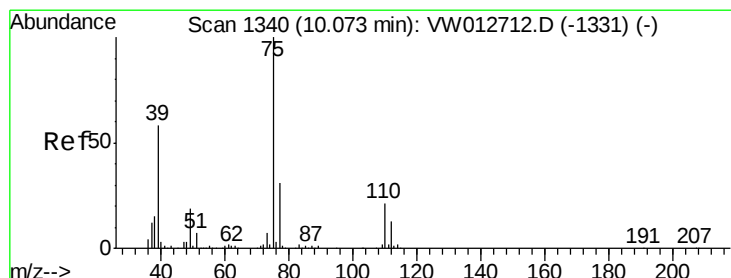
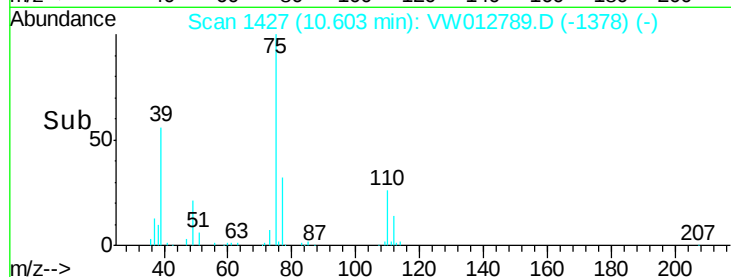
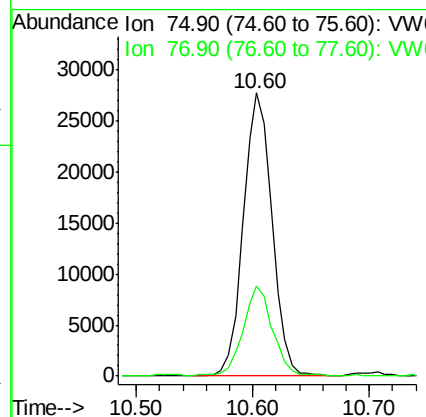
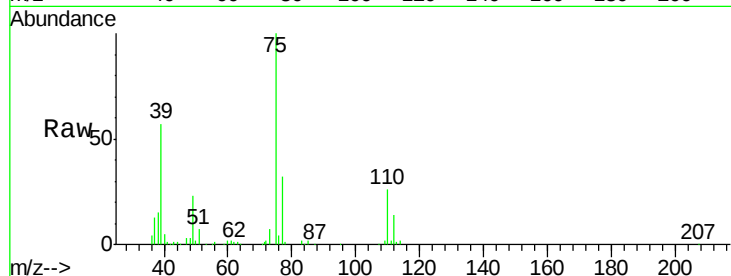
#53
t-1,3-Dichloropropene
Concen: 19.664 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion: 75 Resp: 47743
Ion Ratio Lower Upper
75 100
77 31.5 24.7 37.1

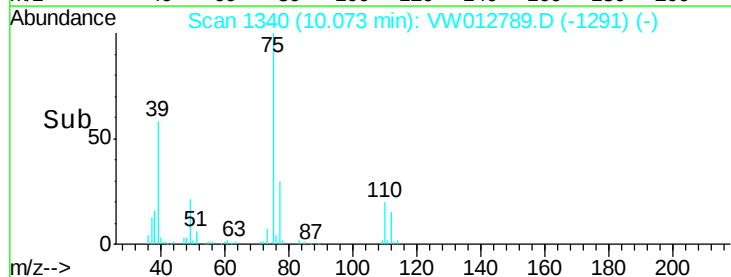
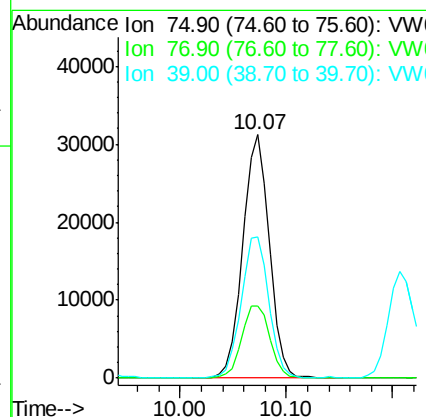
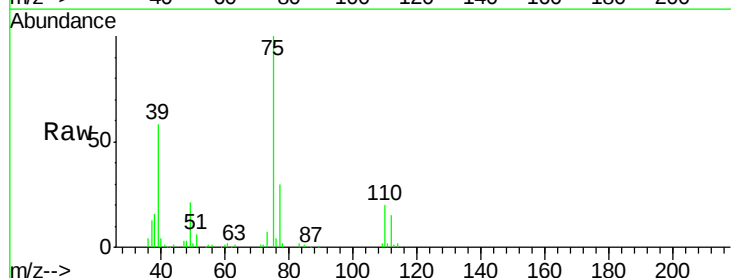
Manual Integrations
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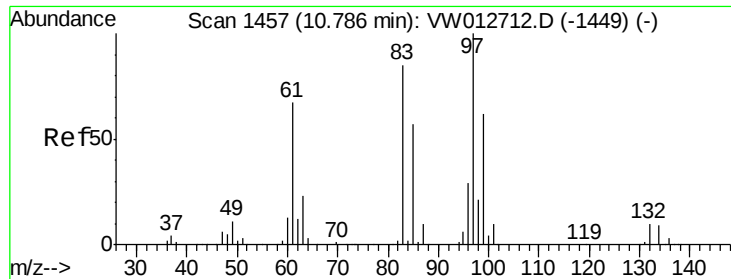
MMDadoda
9/9/2019 11:24:48 AM



#54
cis-1,3-Dichloropropene
Concen: 19.937 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion: 75 Resp: 54912
Ion Ratio Lower Upper
75 100
77 29.7 24.6 36.8
39 58.0 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 21.743 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

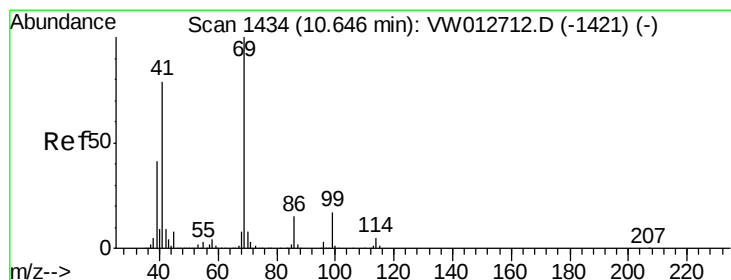
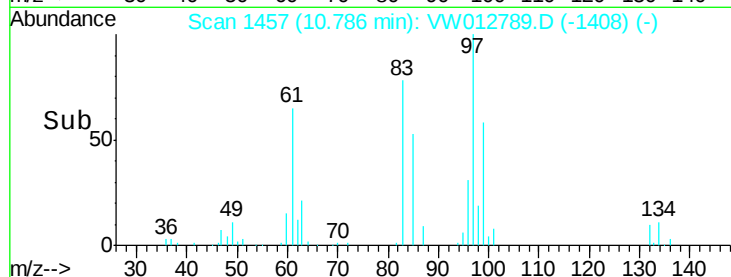
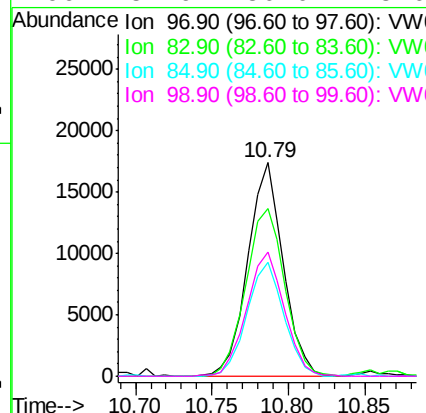
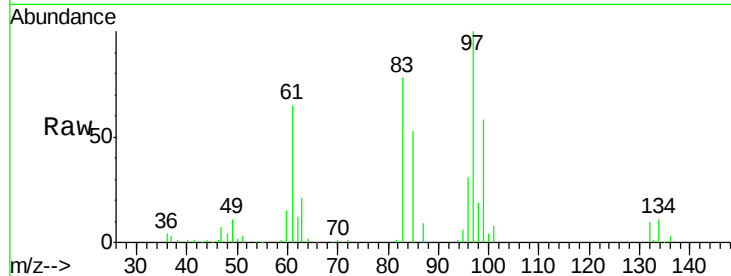
ClientSampleId :

VW0908SBS02

Tot Ion:	97	Resp:	27936
Ion	Ratio	Lower	Upper
97	100		
83	78.4	68.1	102.1
85	53.1	45.3	67.9
99	57.9	50.0	75.0

Manual Integrations
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9/9/2019 11:24:48 AM



#56

Ethyl methacrylate

Concen: 21.037 ug/l

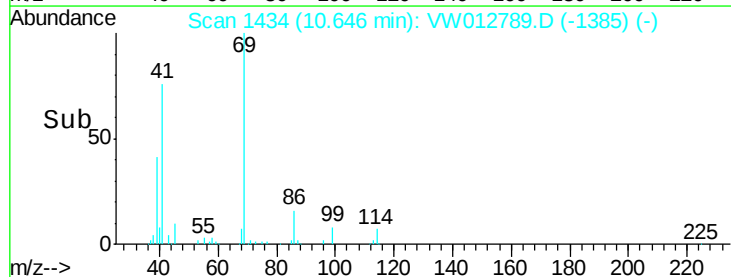
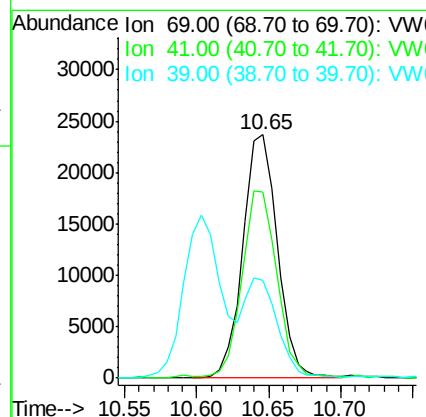
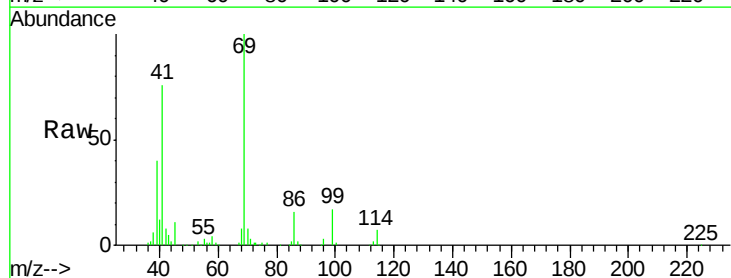
RT: 10.65 min Scan# 1434

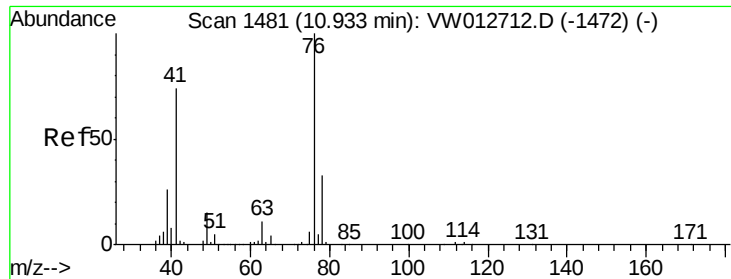
Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	69	Resp:	39566
Ion	Ratio	Lower	Upper
69	100		
41	76.1	64.4	96.6
39	37.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 21.270 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 76 Resp: 50559

Ion Ratio Lower Upper

76 100

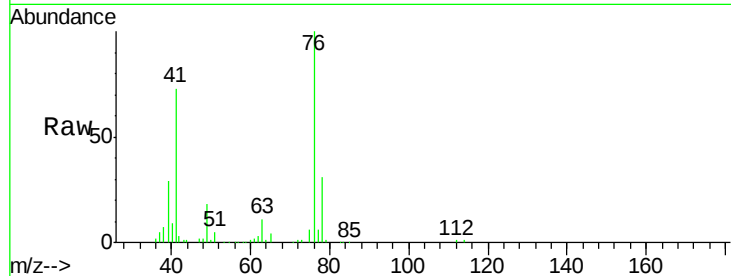
78 32.7 25.9 38.9

Manual Integrations

APPROVED

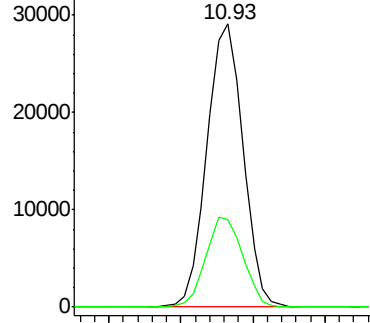
MMDadoda

9/9/2019 11:24:48 AM

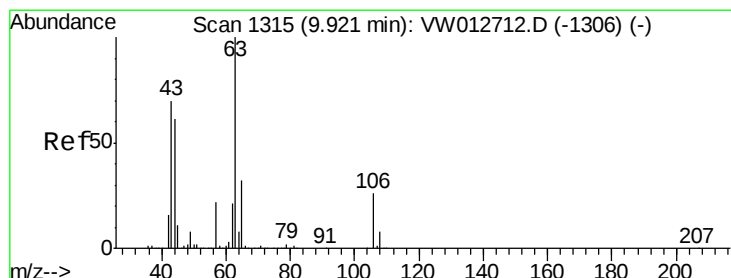
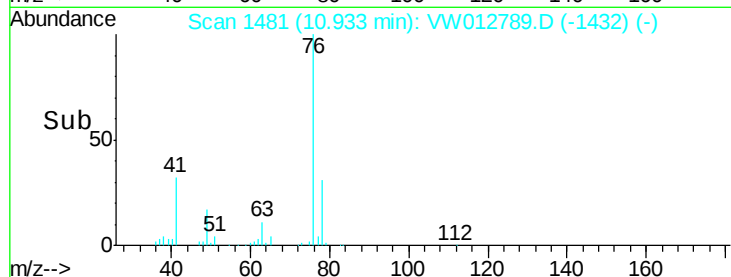


Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.557 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012789.D

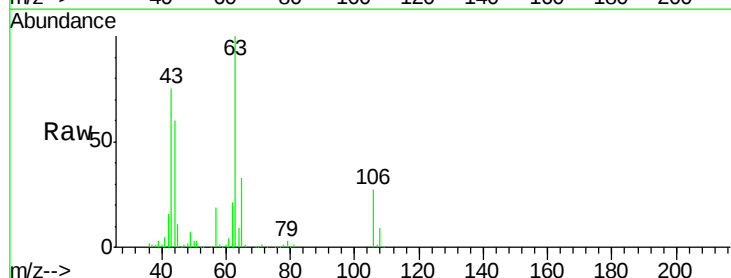
Acq: 09 Sep 2019 00:22

Tgt Ion: 63 Resp: 104397

Ion Ratio Lower Upper

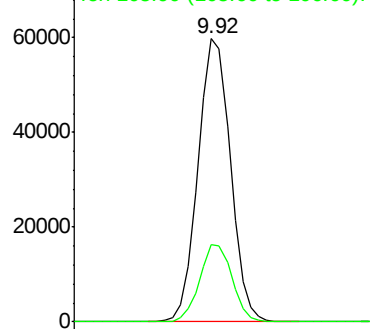
63 100

106 27.4 20.5 30.7

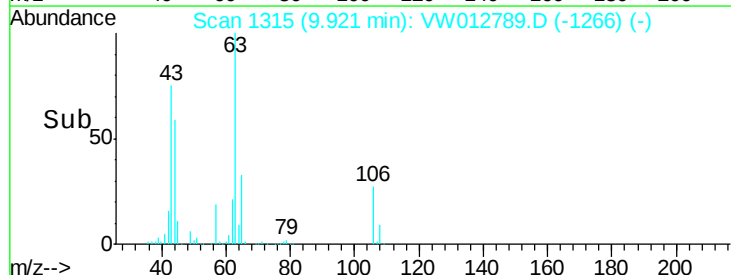


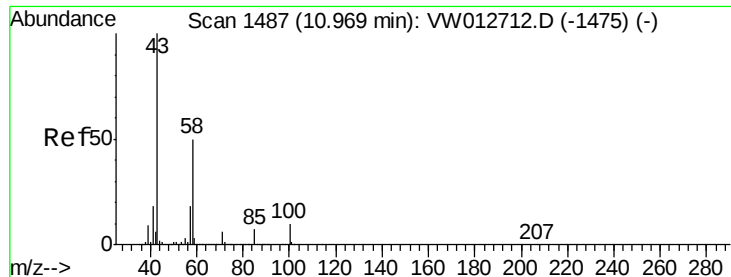
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V



Time-->





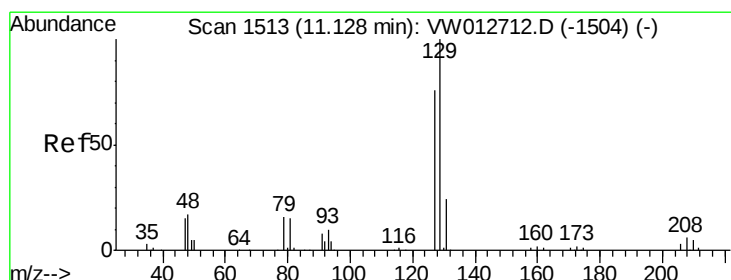
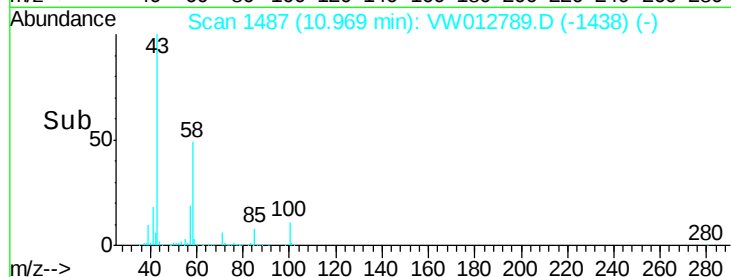
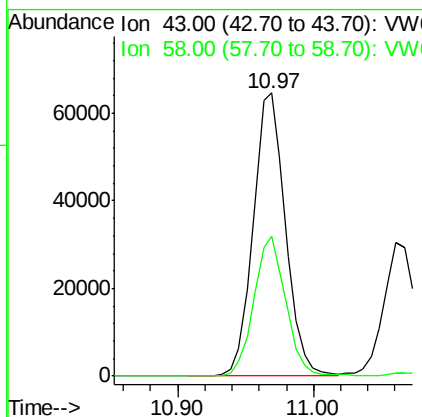
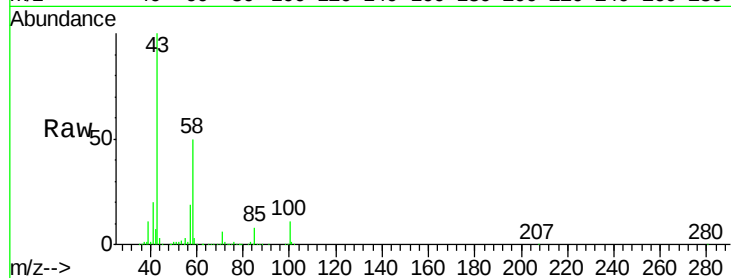
#59
2-Hexanone
Concen: 98.603 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion: 43 Resp: 107520
Ion Ratio Lower Upper
43 100
58 49.0 24.7 74.1

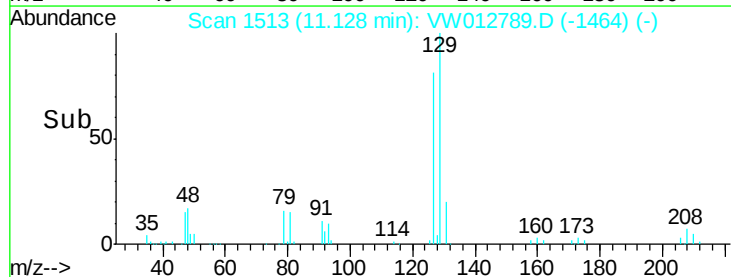
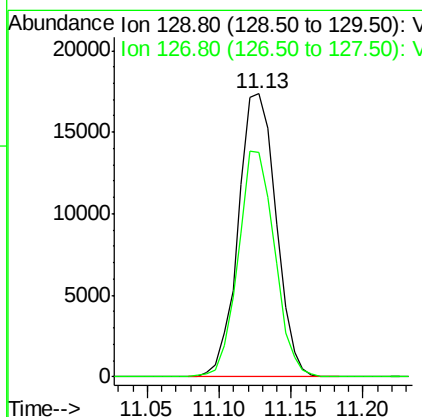
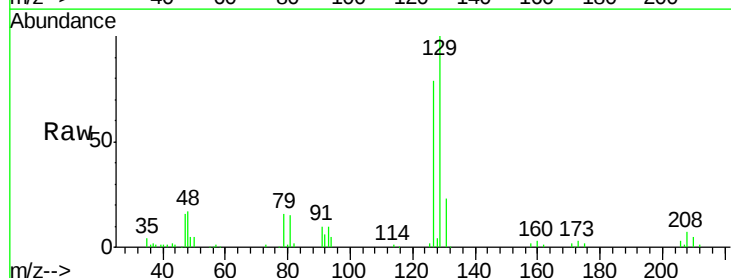
Manual Integrations
APPROVED

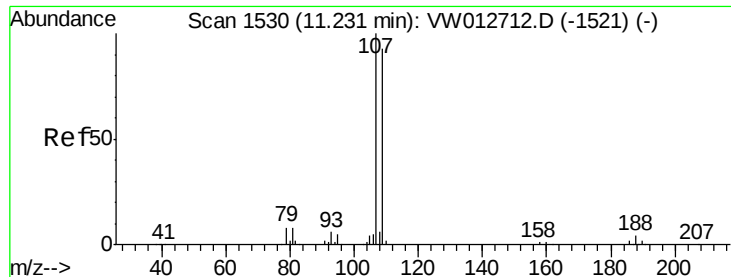
MMDadoda
9/9/2019 11:24:48 AM



#60
Dibromochloromethane
Concen: 20.904 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion: 129 Resp: 31588
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





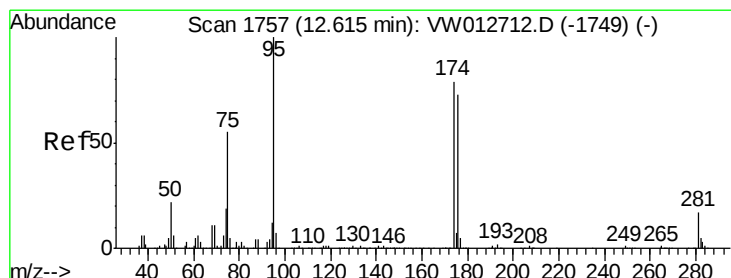
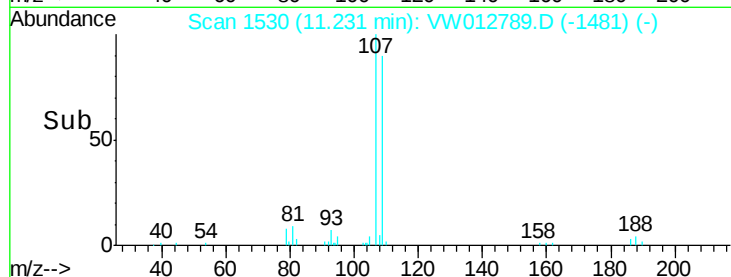
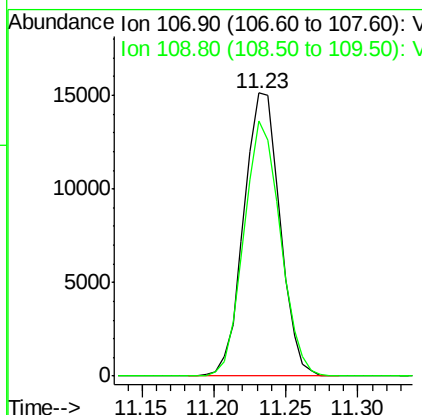
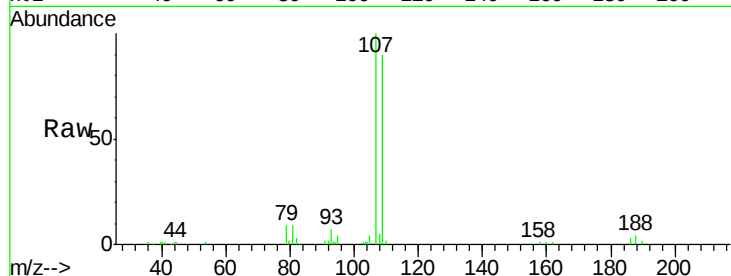
#61
 1,2-Dibromoethane
 Concen: 22.378 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.6	75.0	112.6

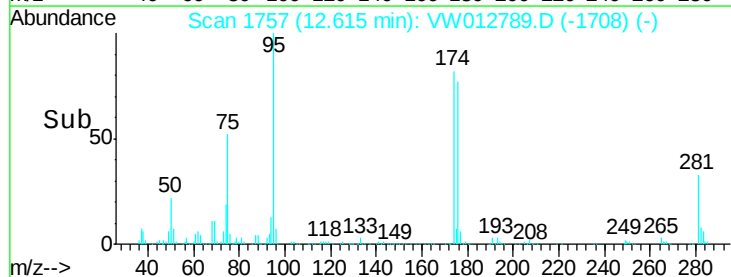
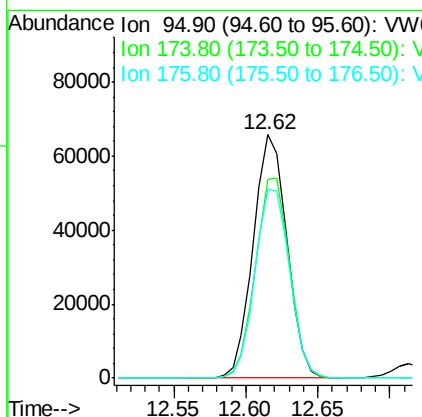
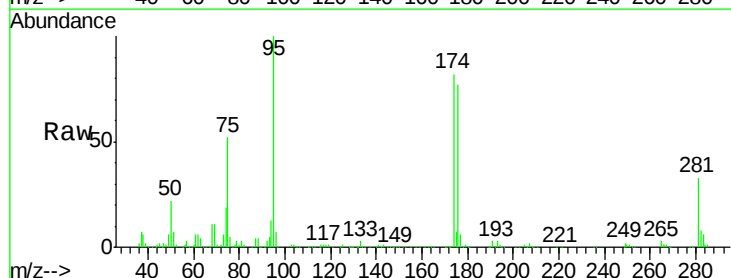
Manual Integrations
 APPROVED

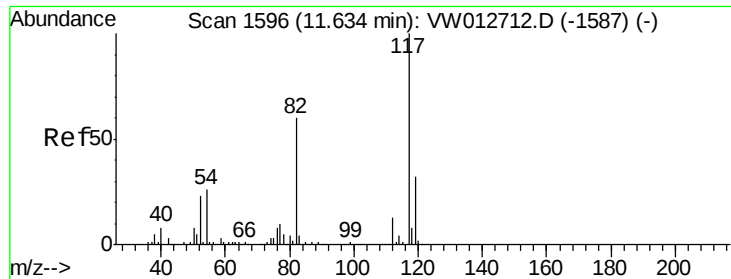
MMDadoda
 9/9/2019 11:24:48 AM



#62
 4-Bromofluorobenzene
 Concen: 47.462 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	161.0
176	80.0	0.0	156.4





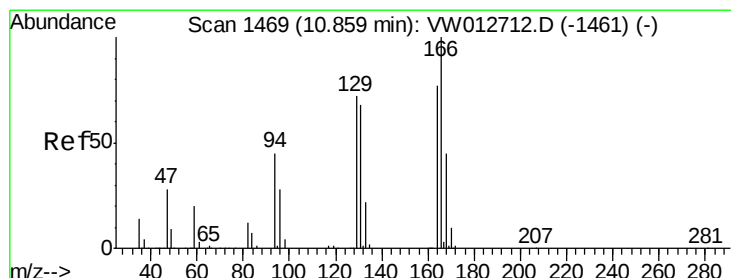
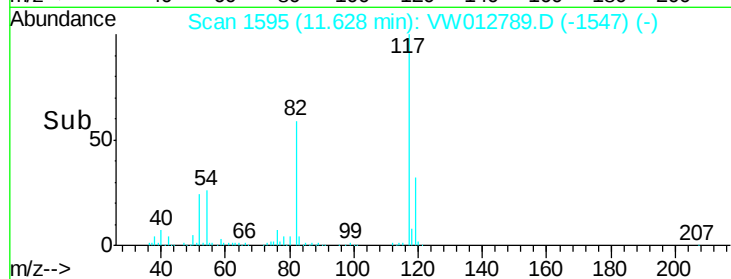
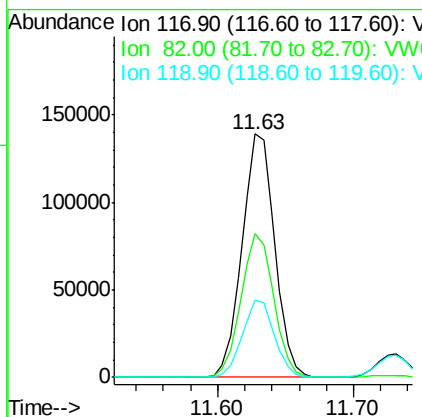
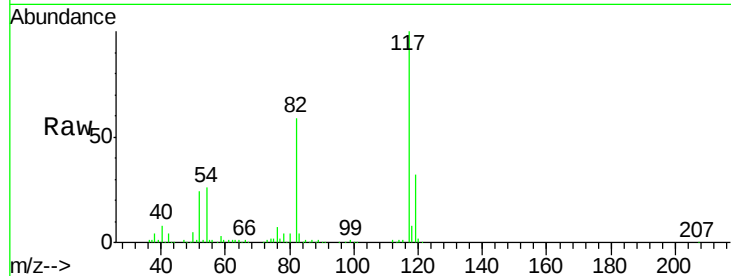
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	233684		
82	58.8	48.2	72.4	
119	31.7	25.8	38.6	

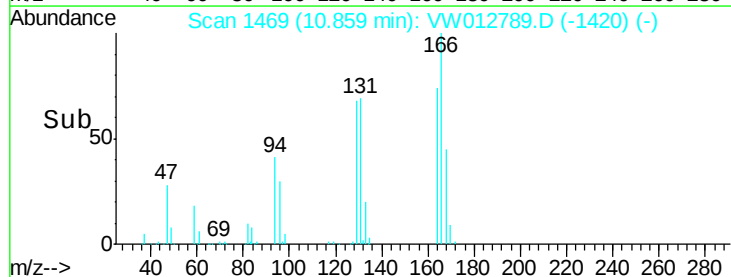
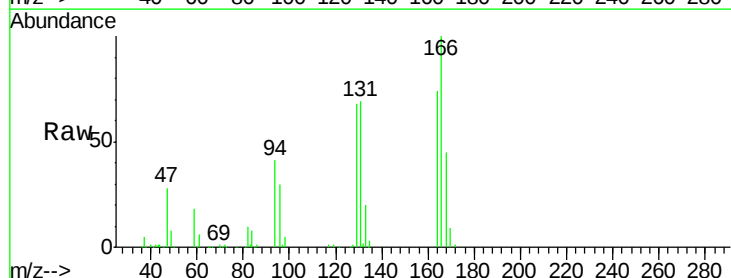
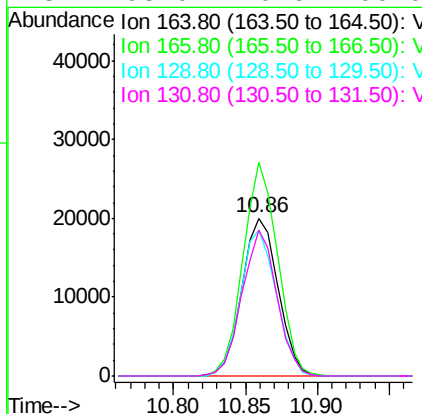
Manual Integrations
APPROVED

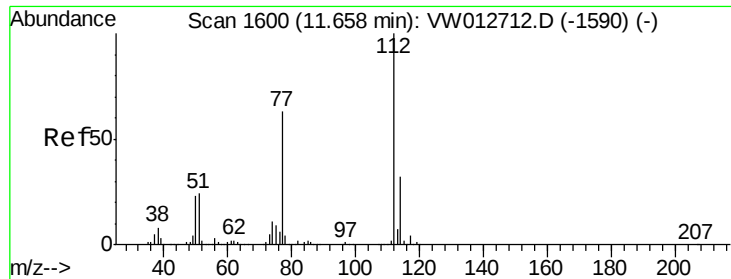
MMDadoda
9/9/2019 11:24:48 AM



#64
Tetrachloroethene
Concen: 24.512 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34756		
166	135.5	103.6	155.4	
129	92.3	74.6	112.0	
131	93.0	70.6	106.0	





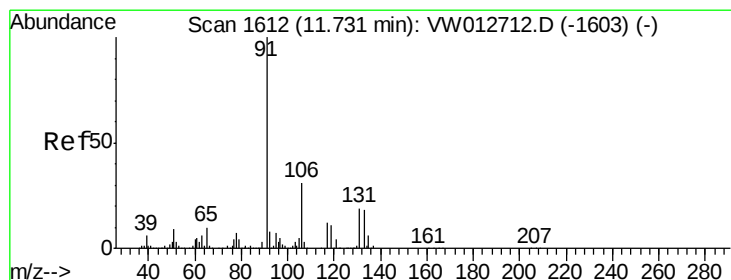
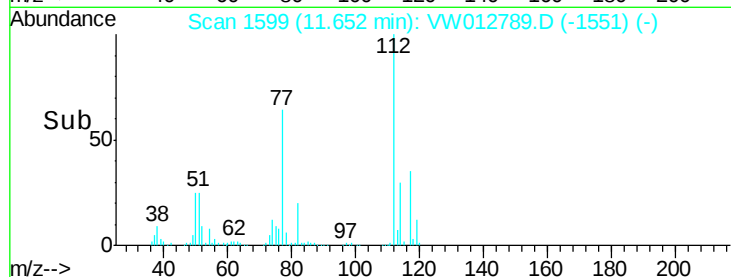
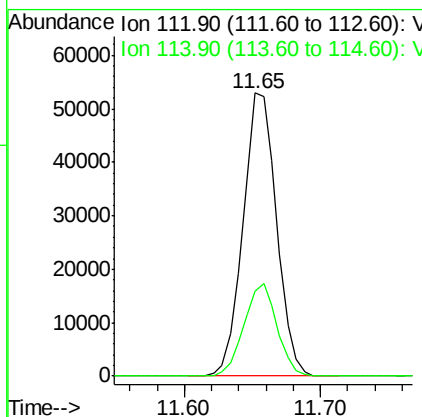
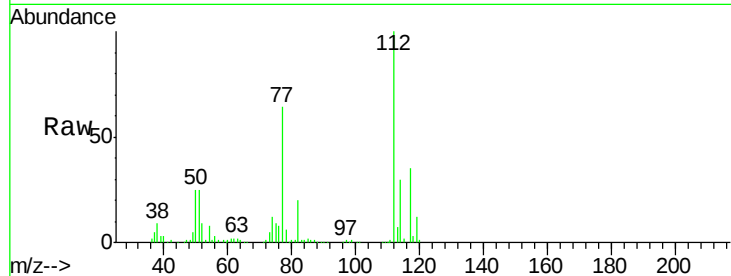
#65
Chlorobenzene
Concen: 20.675 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.0	25.3	37.9

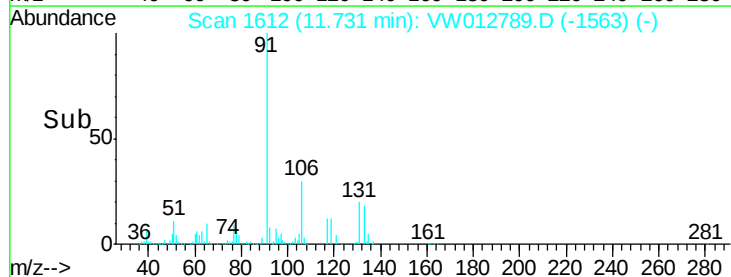
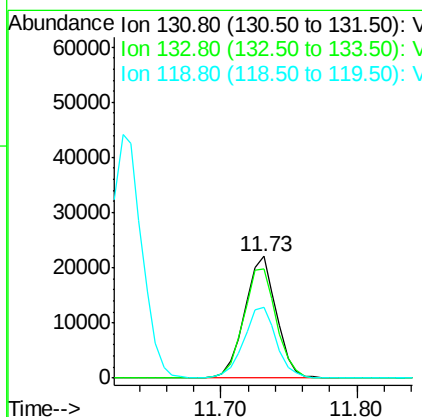
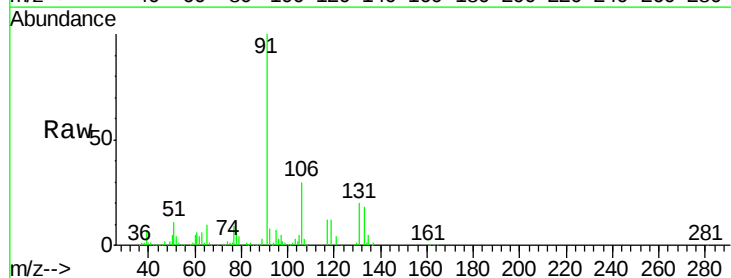
Manual Integrations
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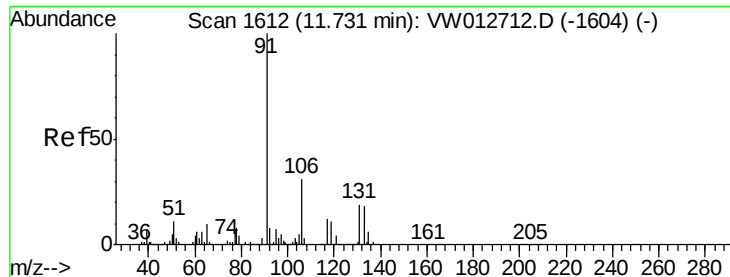
MMDadoda
9/9/2019 11:24:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.843 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.6	142.8
119	59.8	30.6	92.0





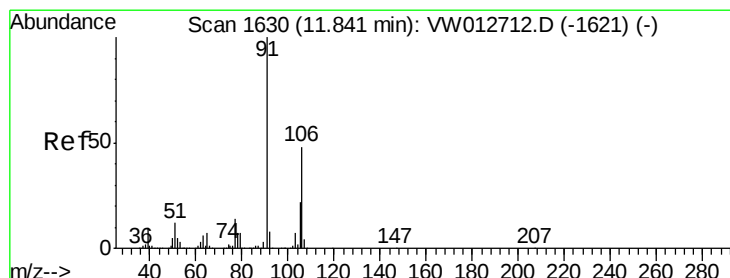
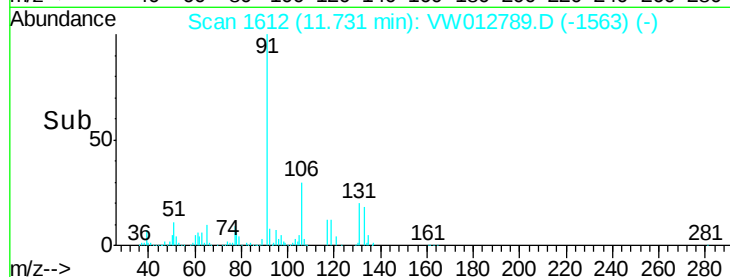
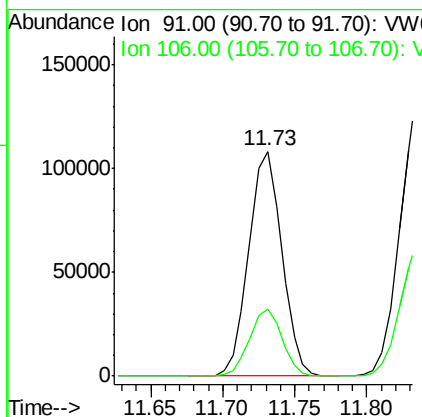
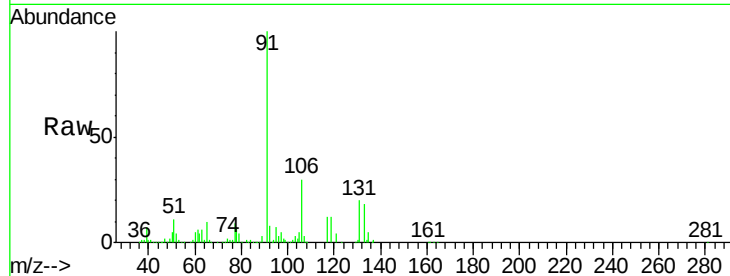
#67
Ethyl Benzene
Concen: 20.818 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.4	36.6

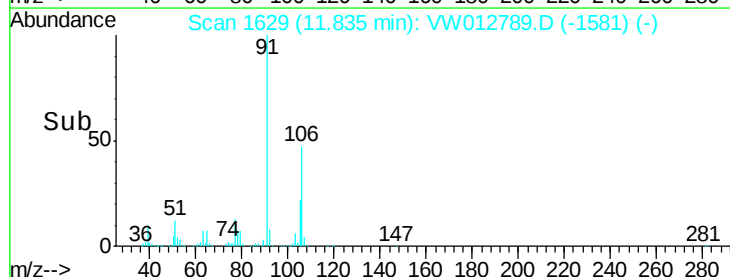
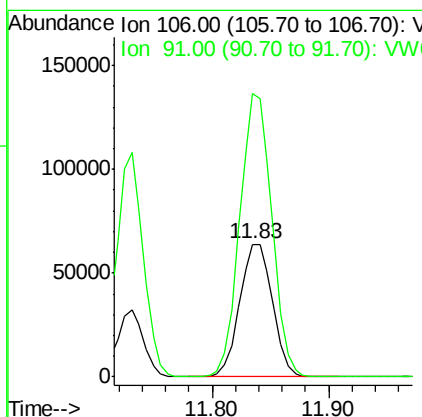
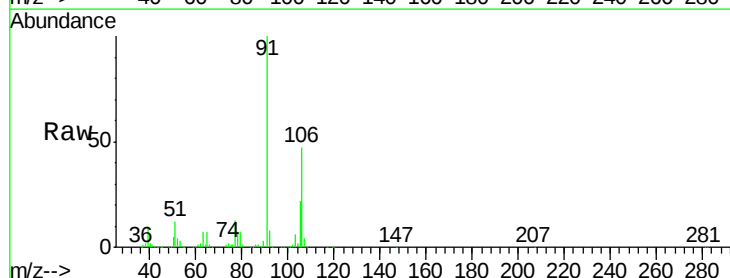
Manual Integrations
APPROVED

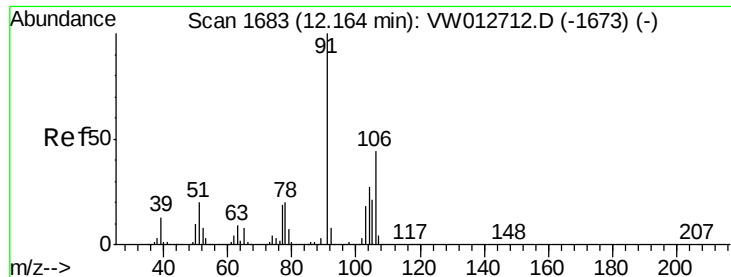
MMDadoda
9/9/2019 11:24:48 AM



#68
m/p-Xylenes
Concen: 41.943 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.5	168.2	252.4





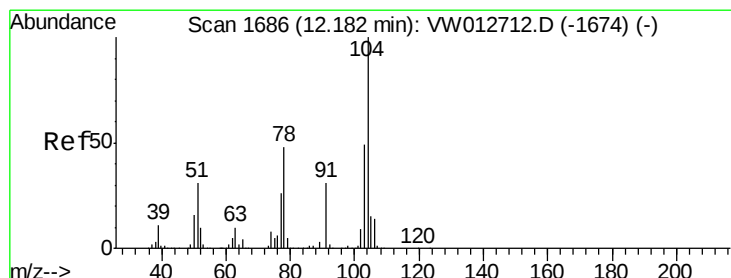
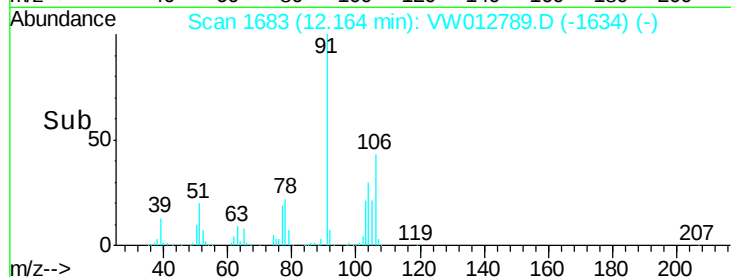
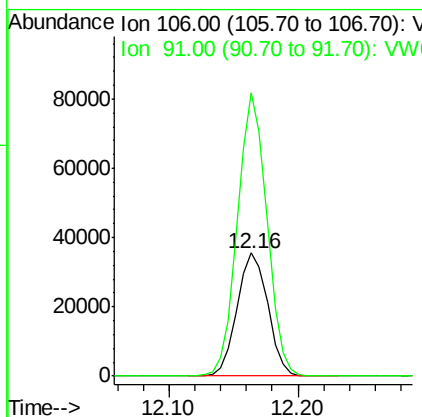
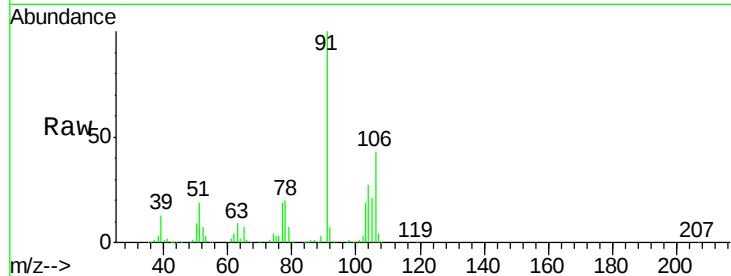
#69
o-Xylene
Concen: 20.860 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	58865		
91	91	220.0		112.3	336.8

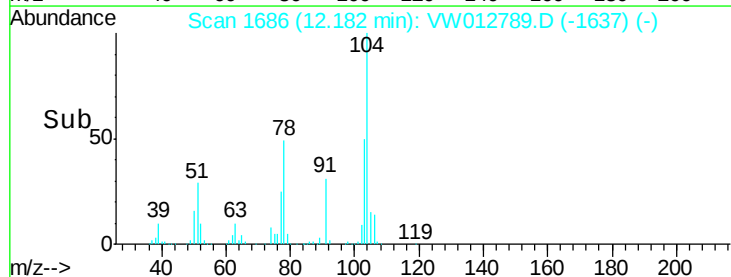
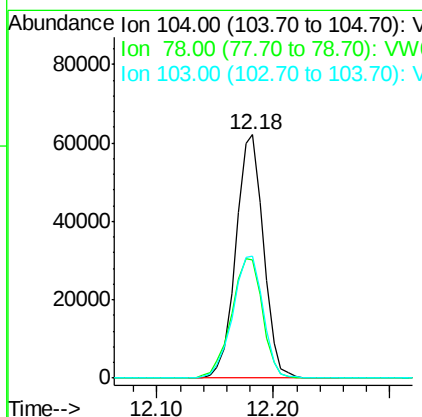
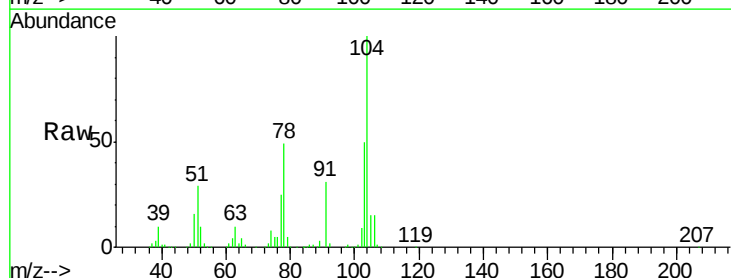
Manual Integrations
APPROVED

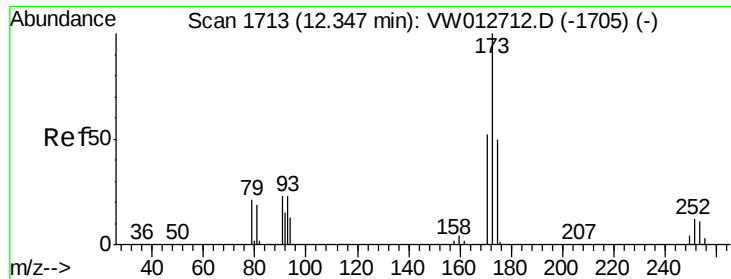
MMDadoda
9/9/2019 11:24:48 AM



#70
Styrene
Concen: 20.604 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	102743		
78	78	55.2		43.3	64.9
103	103	55.2		44.0	66.0





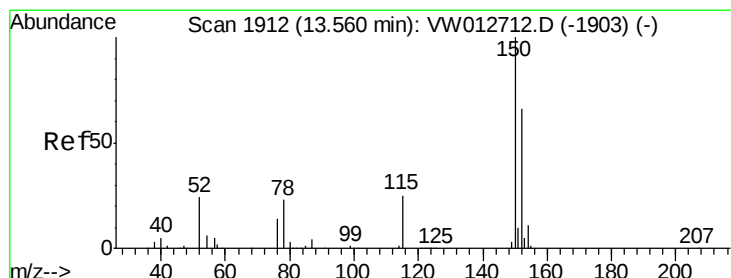
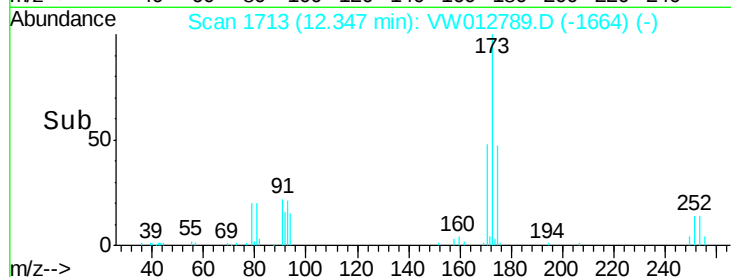
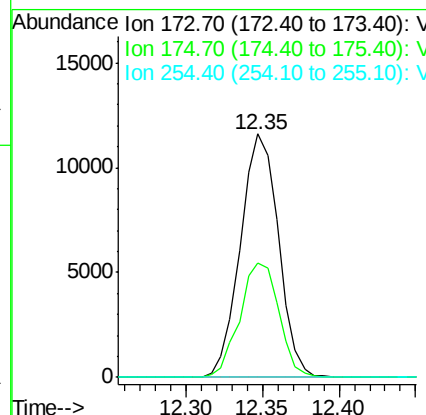
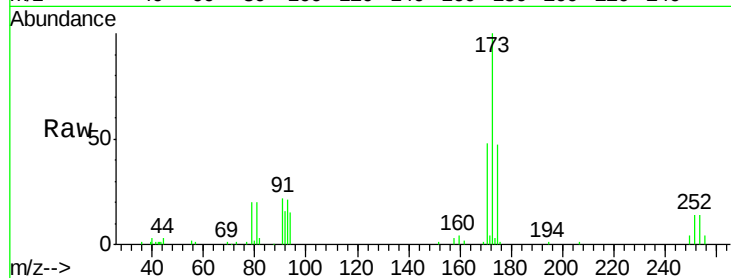
#71
Bromoform
Concen: 21.948 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.3	24.8	74.3	
254	0.0	0.1	0.1	

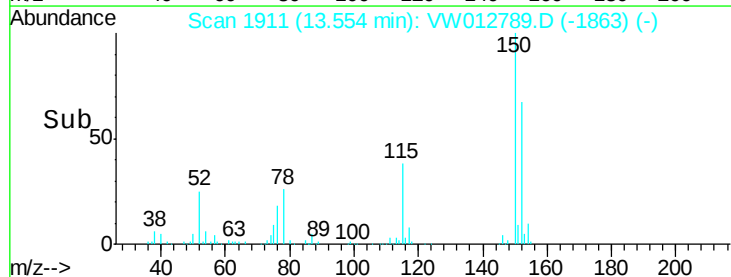
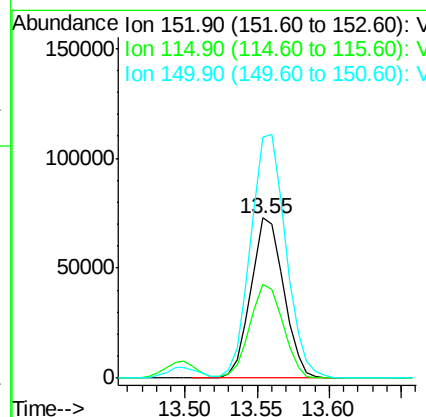
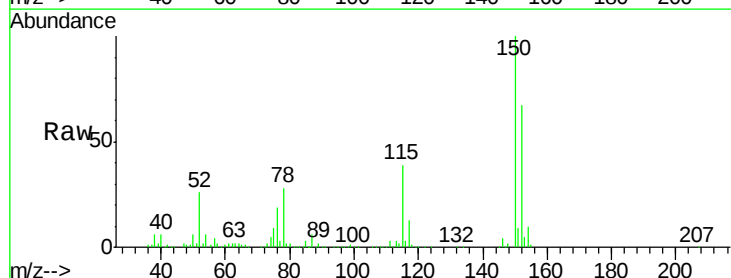
Manual Integrations
APPROVED

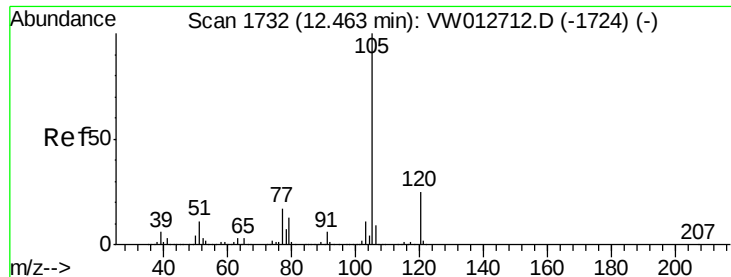
MMDadoda
9/9/2019 11:24:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	59.3	30.0	90.1	
150	163.1	0.0	349.0	





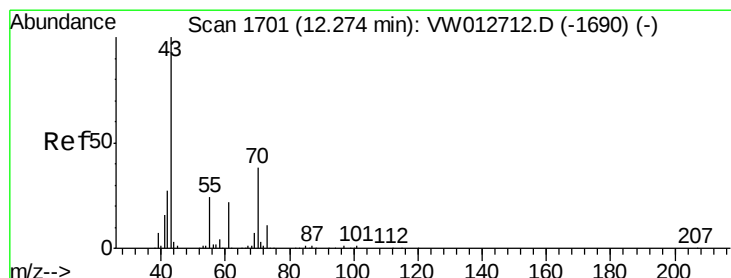
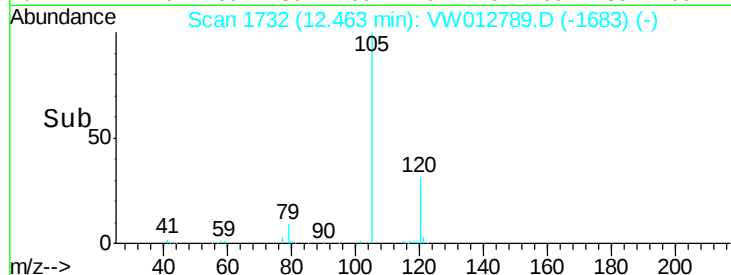
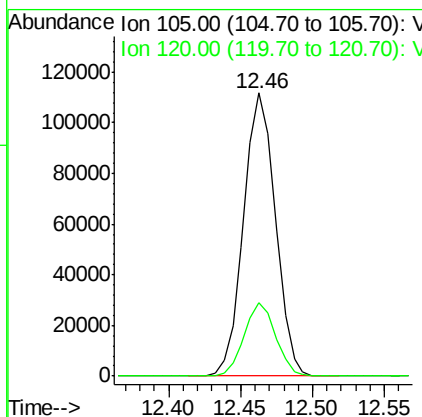
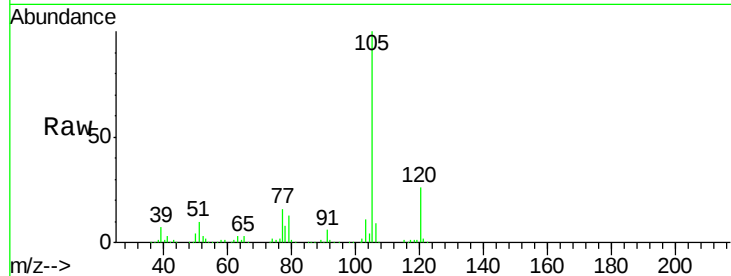
#73
Isopropylbenzene
Concen: 20.763 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	38.9

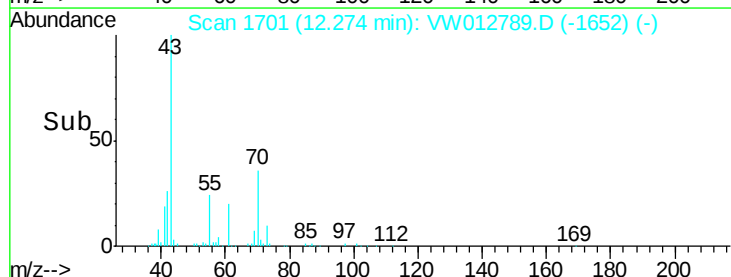
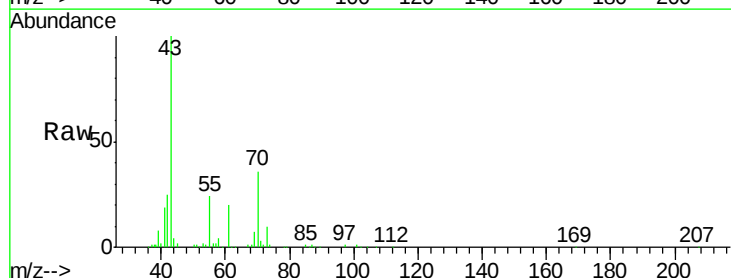
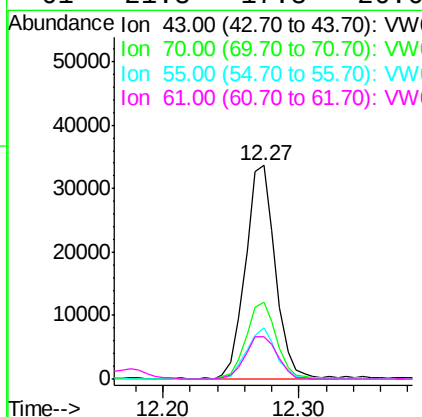
Manual Integrations
APPROVED

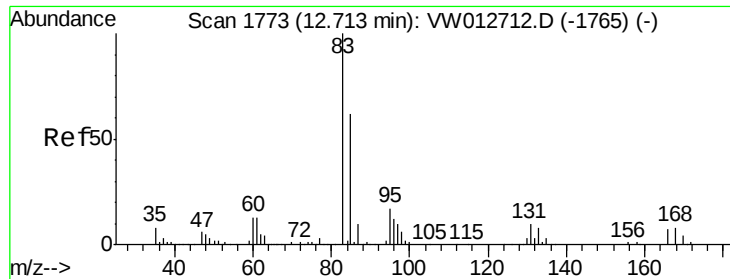
MMDadoda
9/9/2019 11:24:48 AM



#74
N-ethyl acetate
Concen: 19.697 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.0	29.4	44.0
55	24.0	18.6	27.8
61	21.8	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.989 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

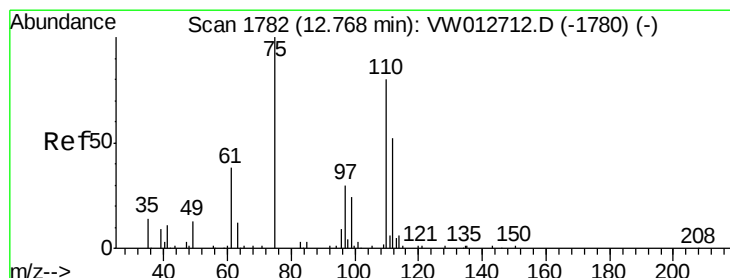
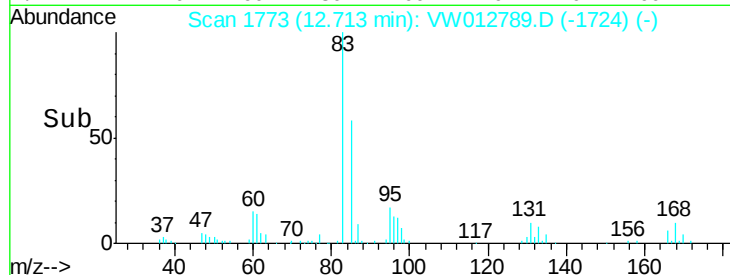
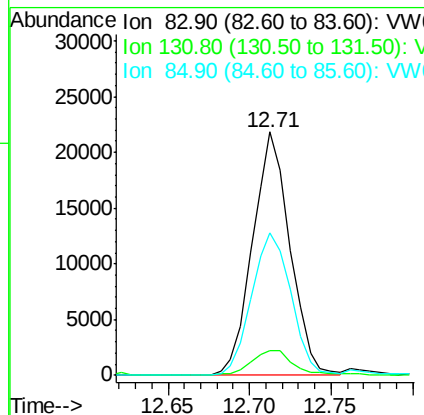
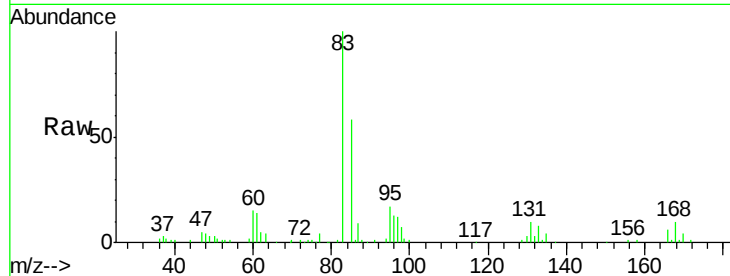
ClientSampleId :

VW0908SBS02

Tot Ion:	83	Resp:	34743
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.1	15.4
85	61.7	31.4	94.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.080 ug/l m

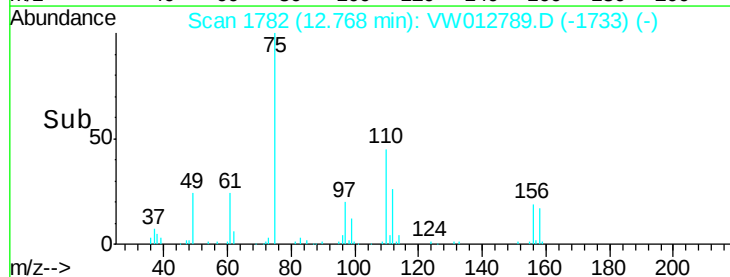
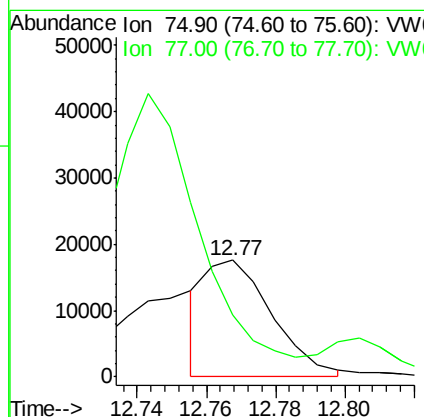
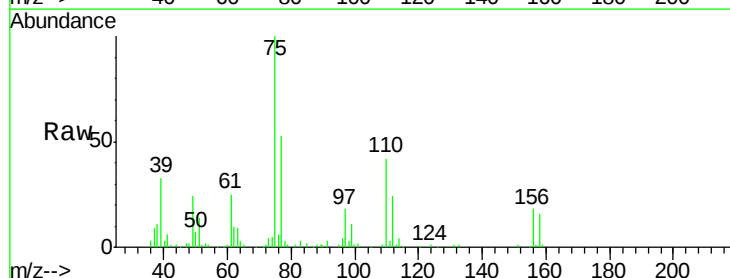
RT: 12.77 min Scan# 1782

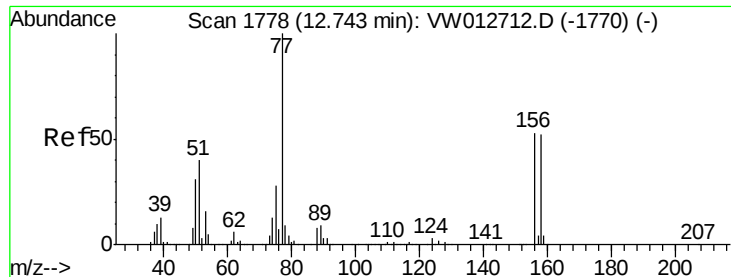
Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	75	Resp:	23596
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.937 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion:156 Resp: 39096

Ion Ratio Lower Upper

156 100

77 202.0 102.3 306.9

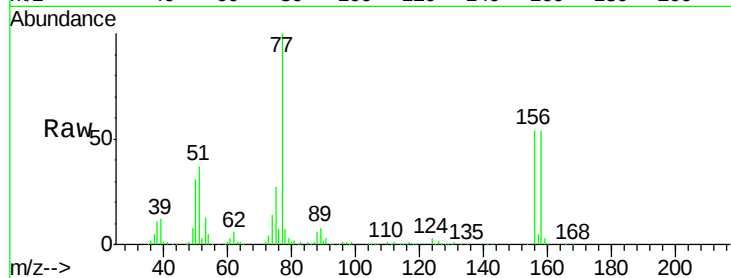
158 98.8 48.9 146.8

Manual Integrations

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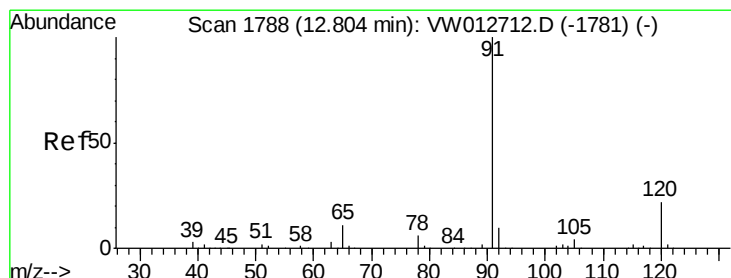
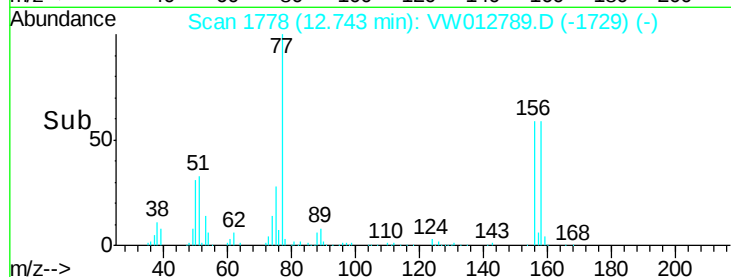
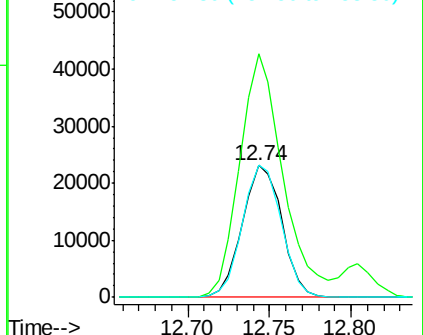
9/9/2019 11:24:48 AM



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: 20.304 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012789.D

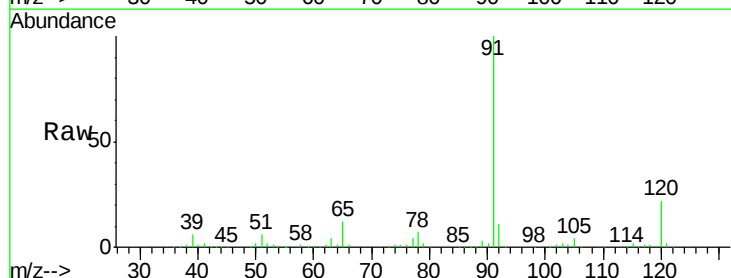
Acq: 09 Sep 2019 00:22

Tgt Ion: 91 Resp: 200149

Ion Ratio Lower Upper

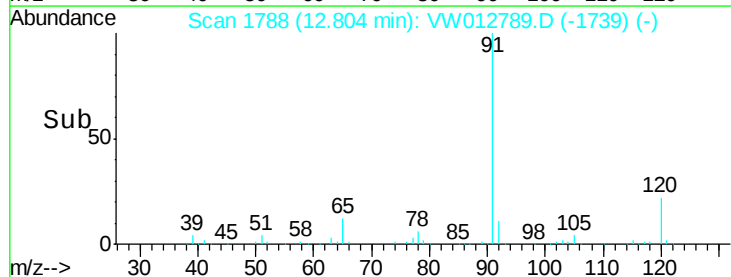
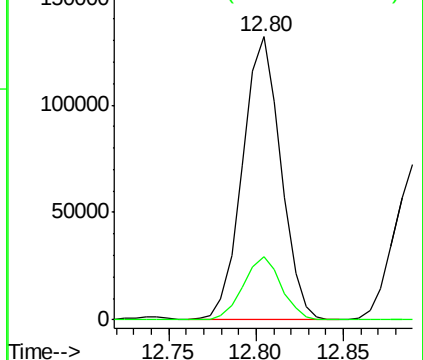
91 100

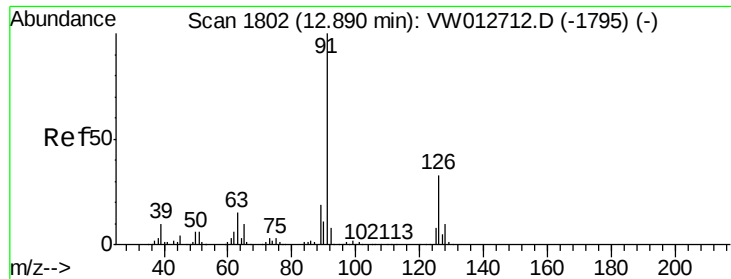
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





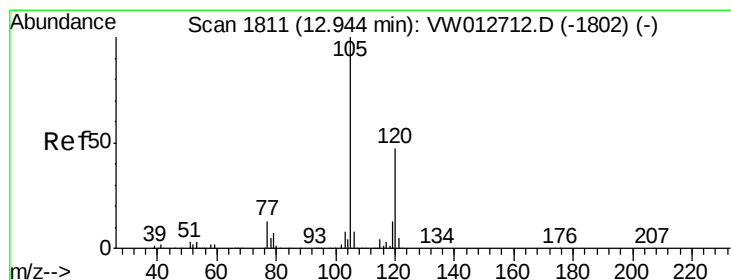
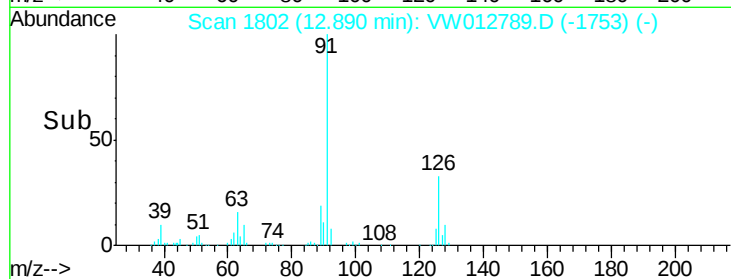
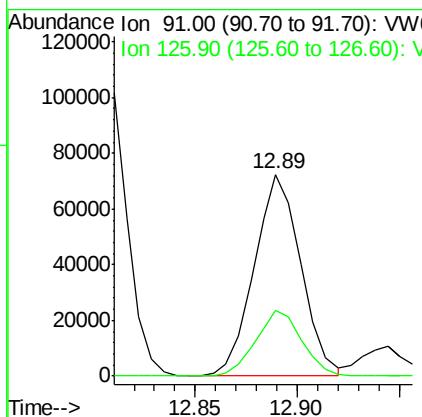
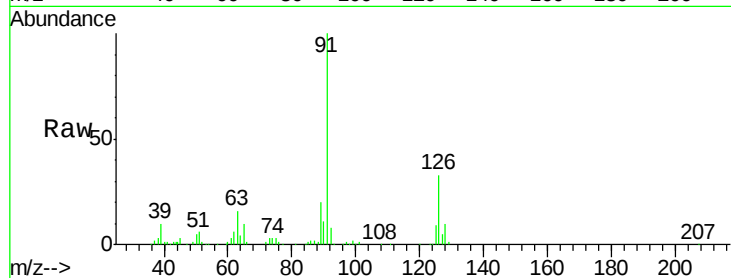
#79
 2-Chlorotoluene
 Concen: 20.296 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion: 91 Resp: 114857
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.1 48.3

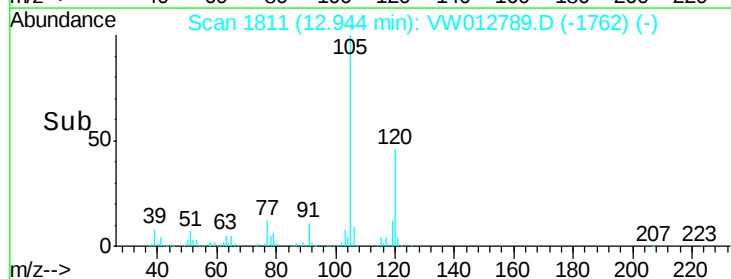
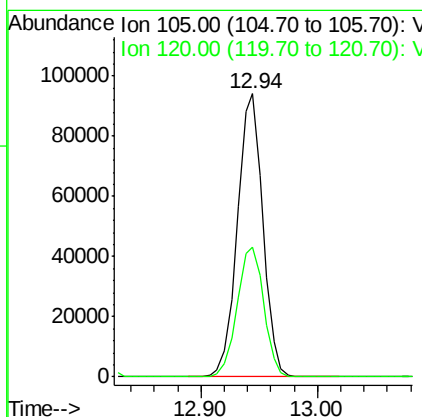
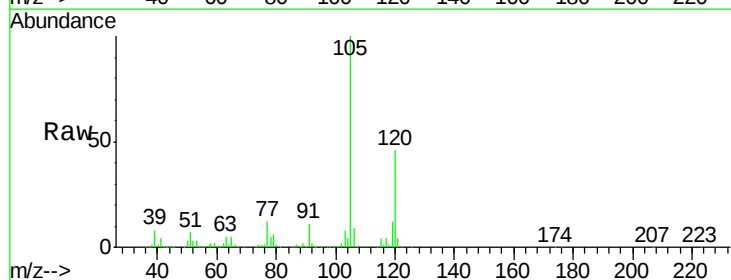
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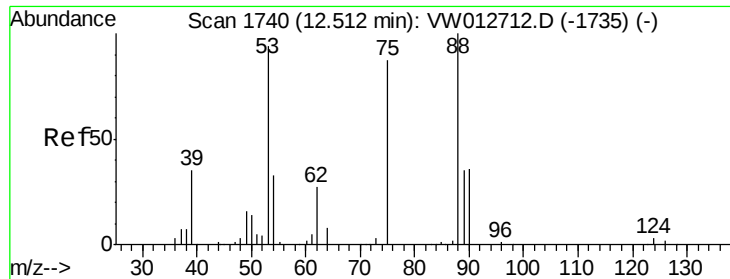
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.669 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion: 105 Resp: 143547
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.381 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

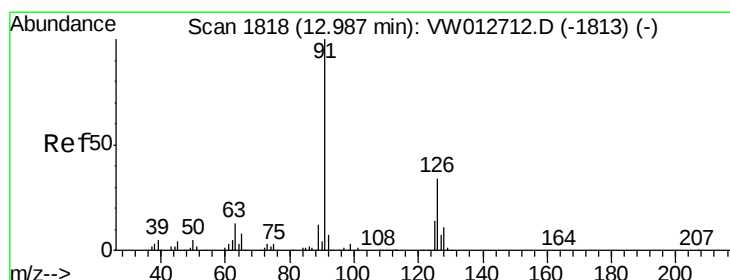
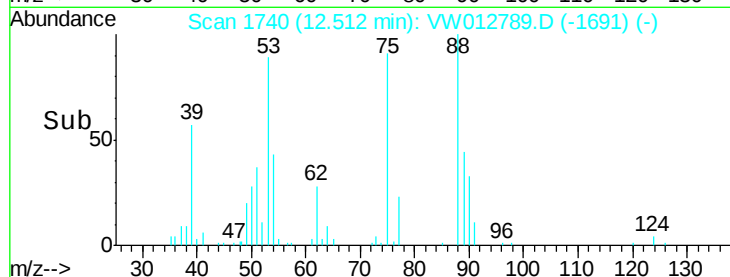
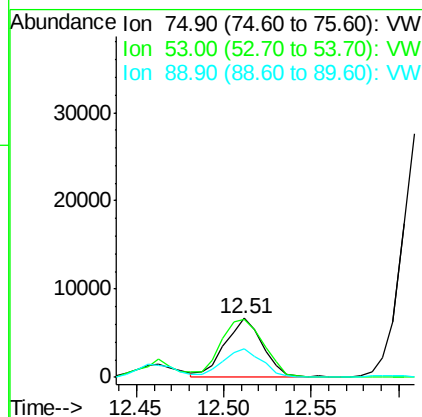
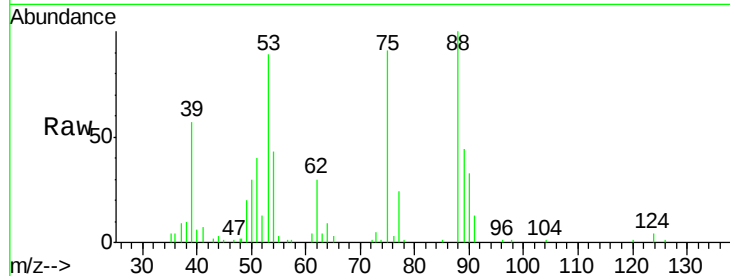
ClientSampleId :

VW0908SBSD02

Tot Ion:	75	Resp:	10212
Ion	Ratio	Lower	Upper
75	100		
53	111.0	87.6	131.4
89	48.0	35.5	53.3

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#82

4-Chlorotoluene

Concen: 20.293 ug/l

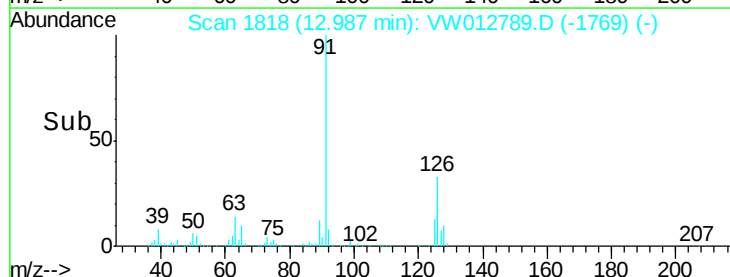
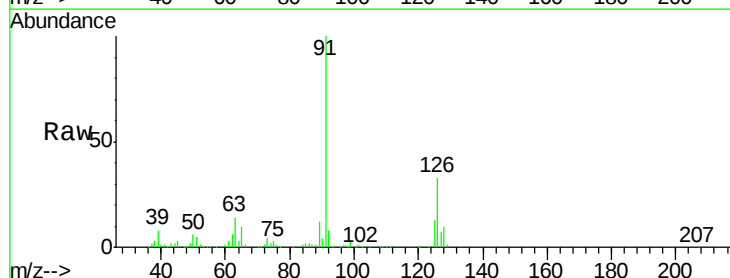
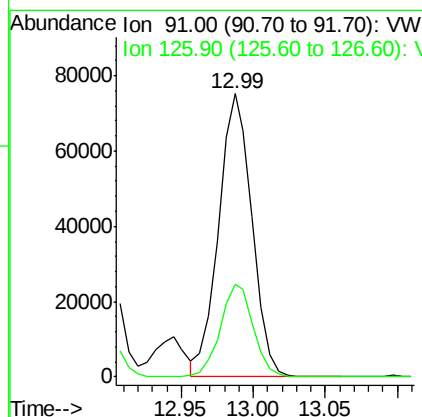
RT: 12.99 min Scan# 1818

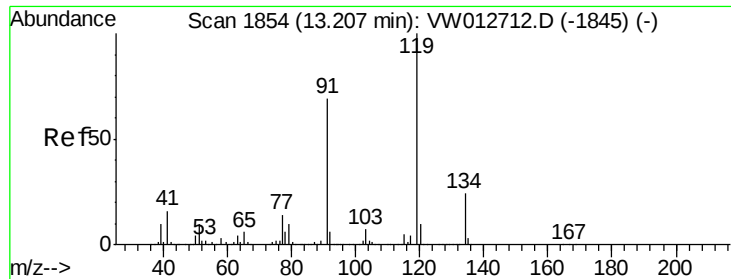
Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	91	Resp:	121474
Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.9	47.6





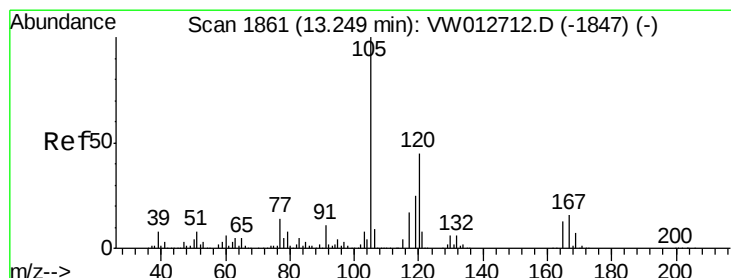
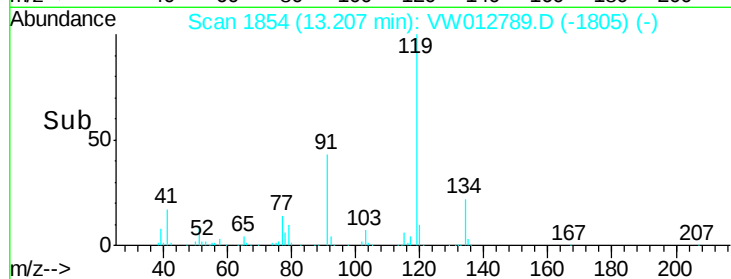
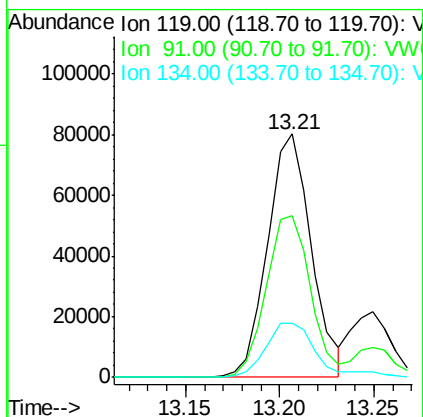
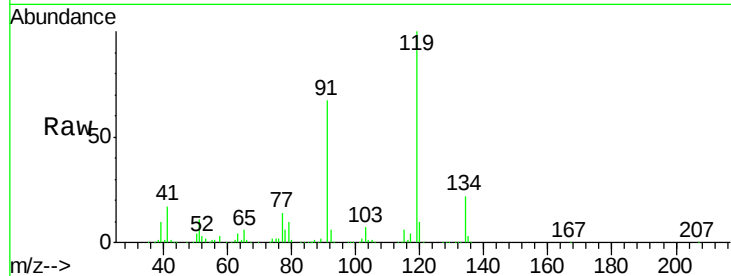
#83
tert-Butylbenzene
Concen: 21.016 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.2	102.5
134	24.3	12.3	36.9

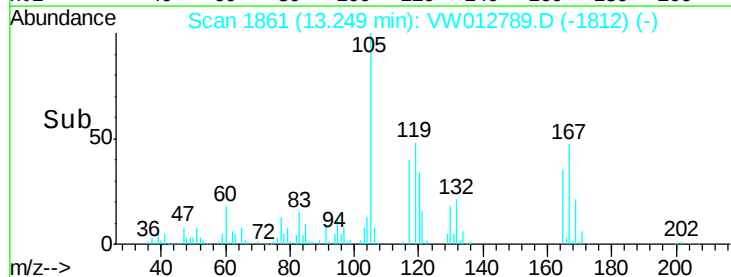
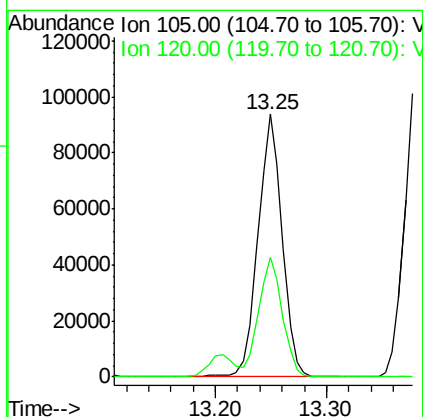
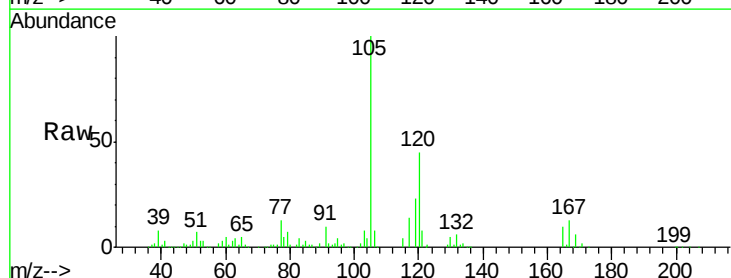
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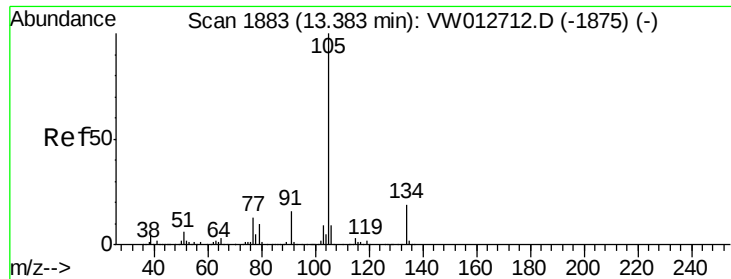
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#84
1,2,4-Trimethylbenzene
Concen: 20.226 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.3





#85

sec-Butylbenzene

Concen: 20.544 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion:105 Resp: 175066

Ion Ratio Lower Upper

105 100

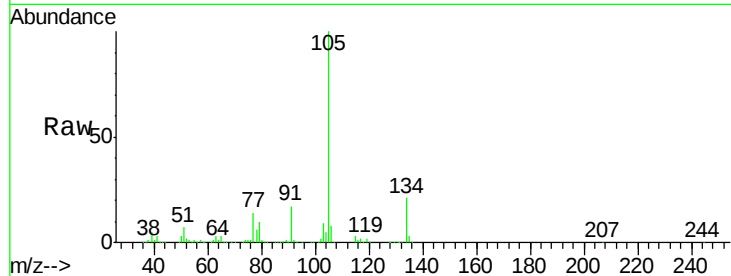
134 20.3 9.8 29.3

Manual Integrations

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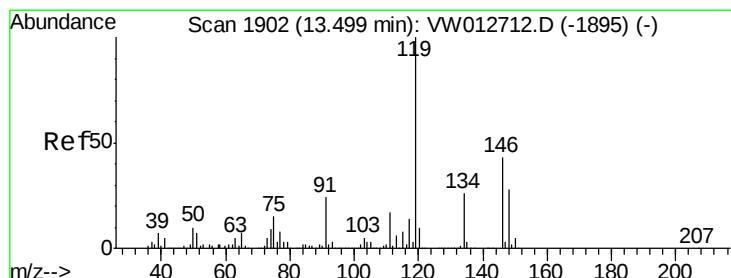
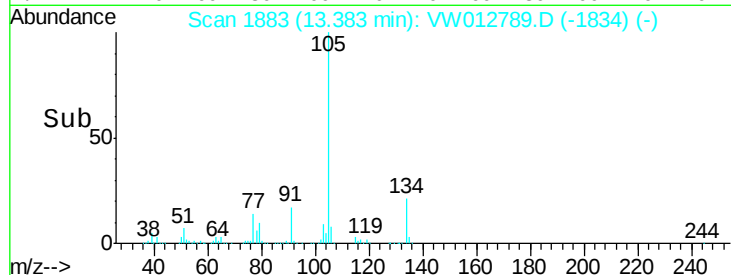
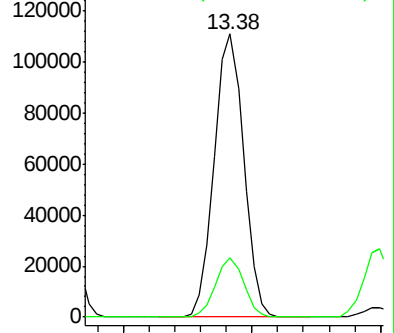
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.349 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

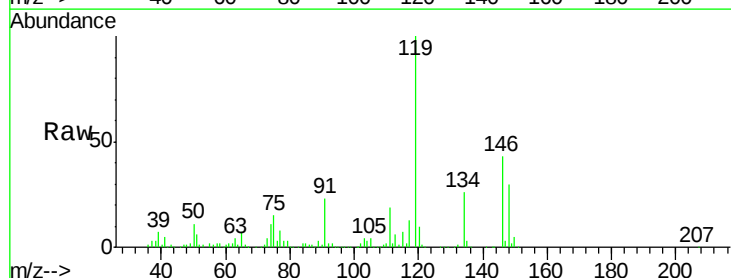
Tgt Ion:119 Resp: 158388

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

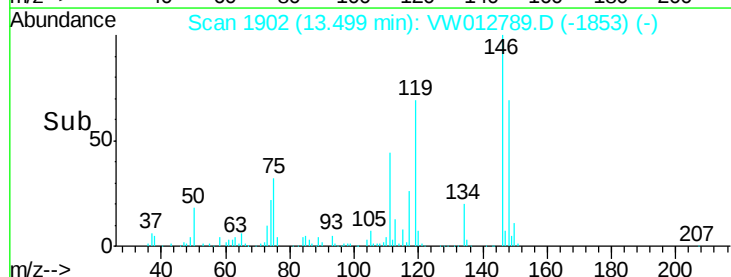
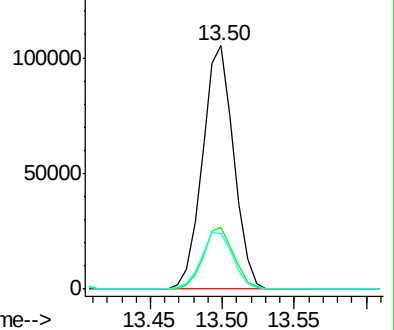
91 24.1 12.2 36.6

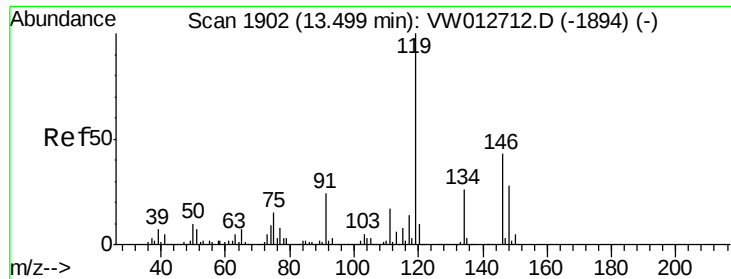


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





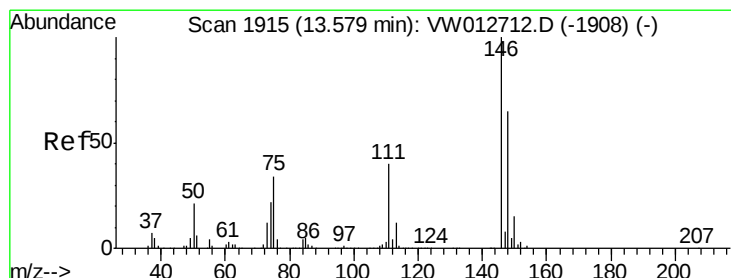
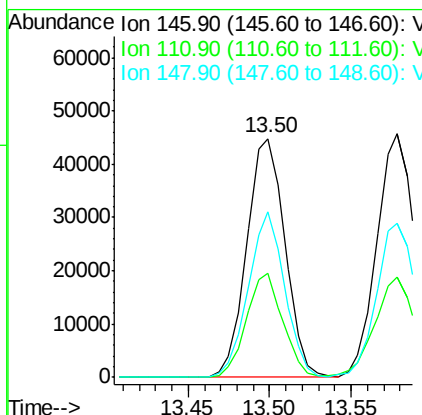
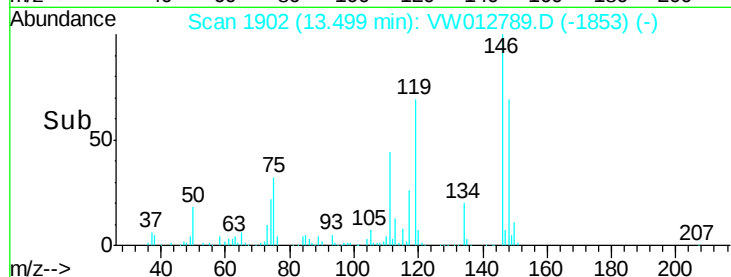
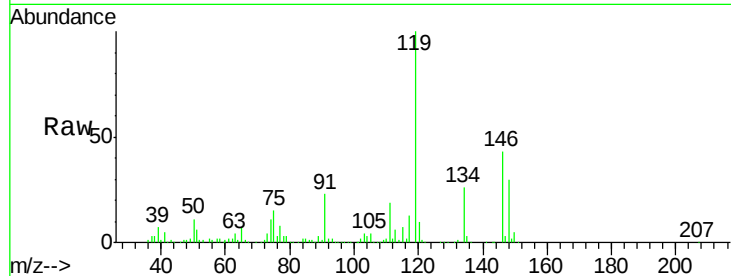
#87
 1,3-Dichlorobenzene
 Concen: 19.970 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.2
148	65.8	31.8	95.4

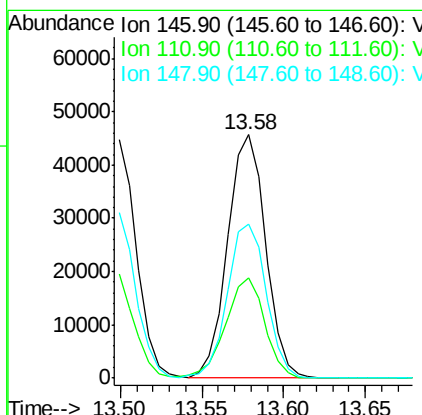
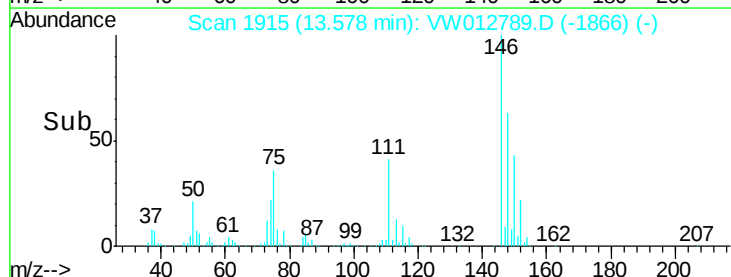
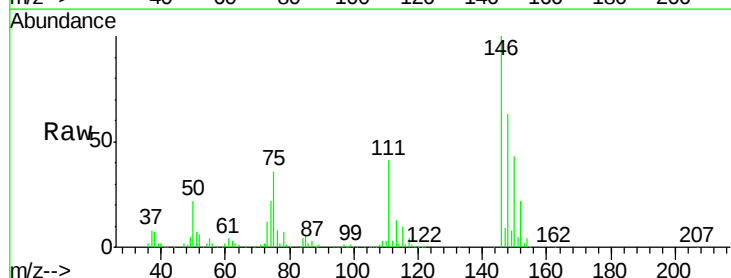
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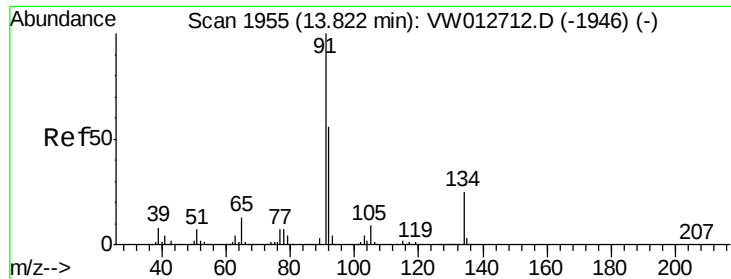
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#88
 1,4-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.0	60.0
148	64.6	32.2	96.6





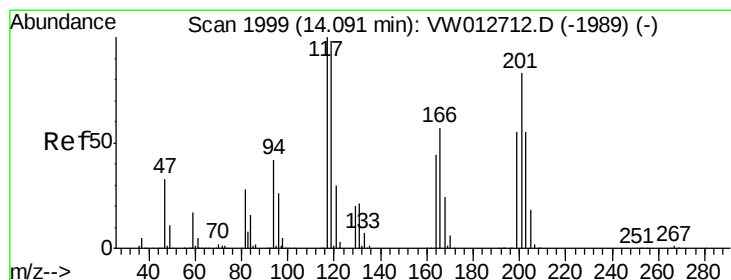
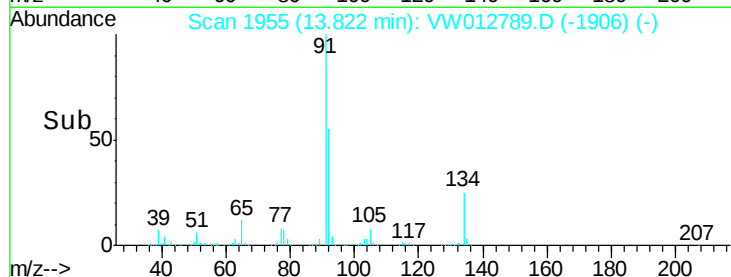
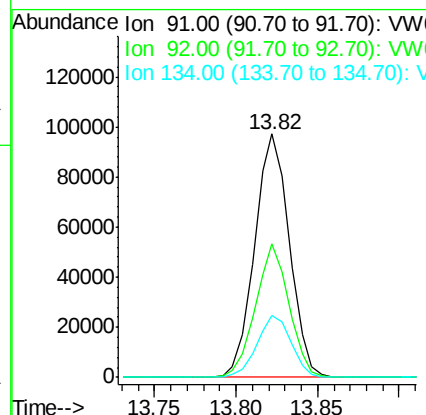
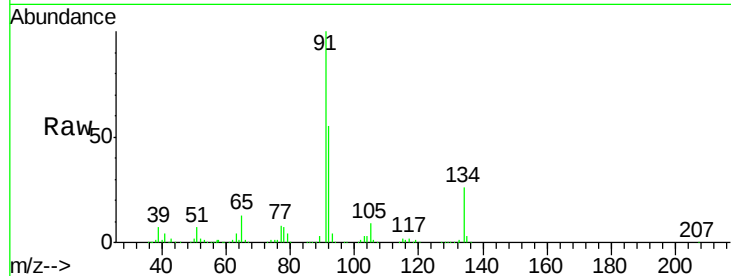
#89
n-Butylbenzene
Concen: 19.070 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.2	81.5
134	25.1	12.7	38.1

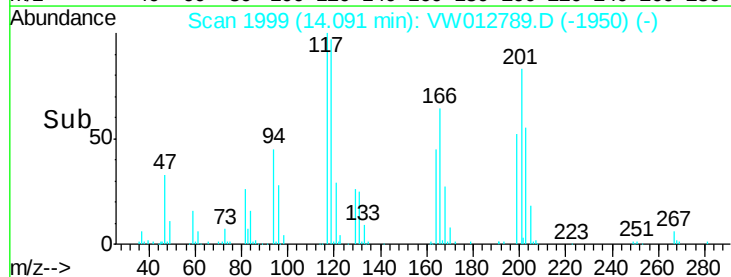
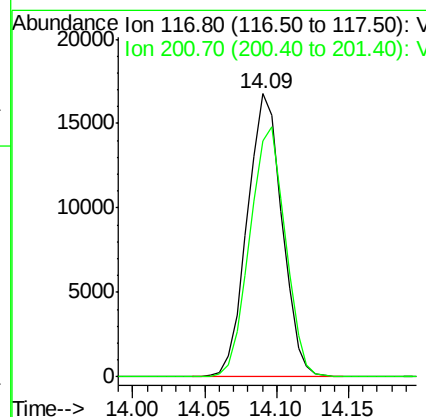
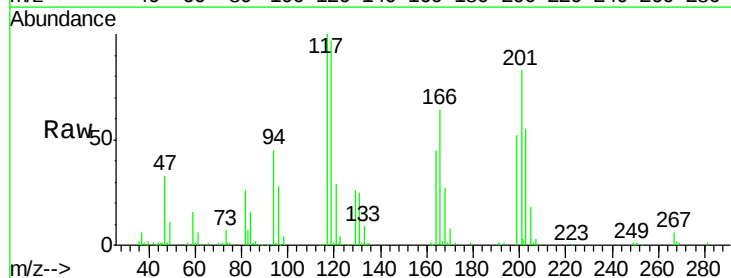
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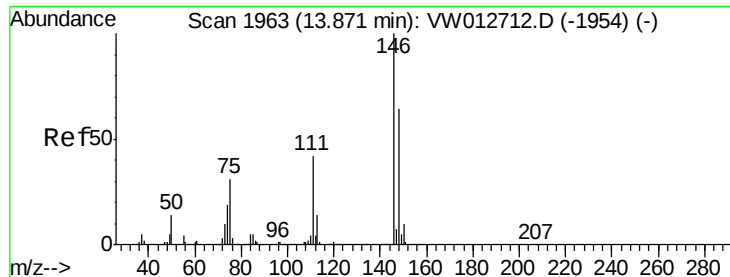
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#90
Hexachloroethane
Concen: 20.633 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012789.D
Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	42.8	128.4





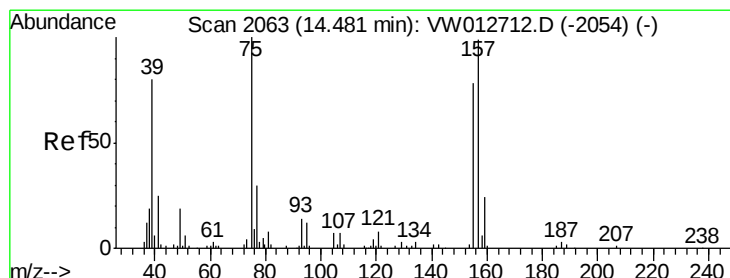
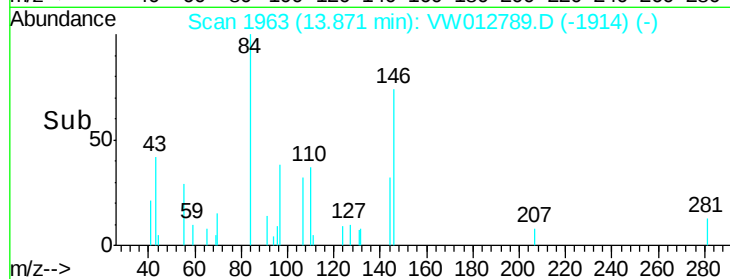
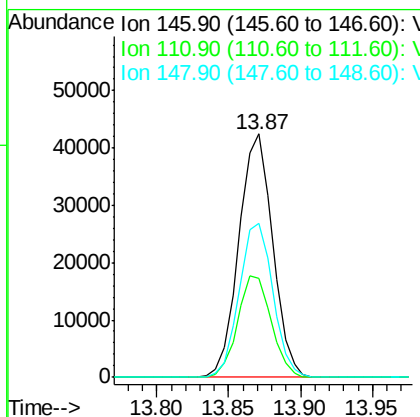
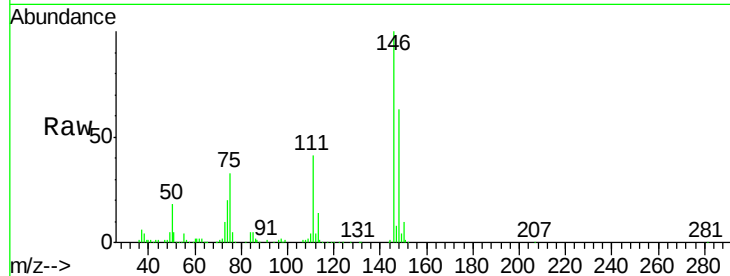
#91
 1,2-Dichlorobenzene
 Concen: 20.931 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.9
148	63.1	32.1	96.5

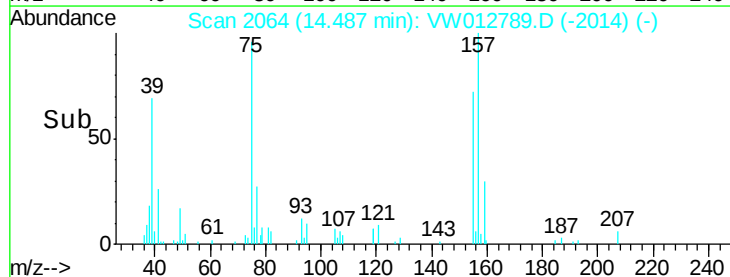
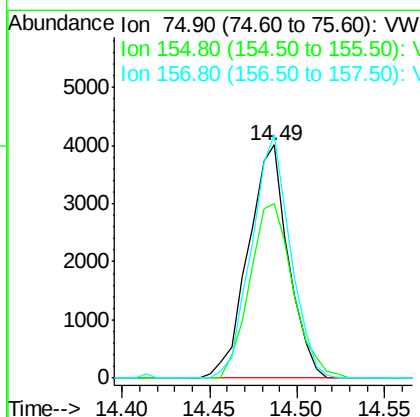
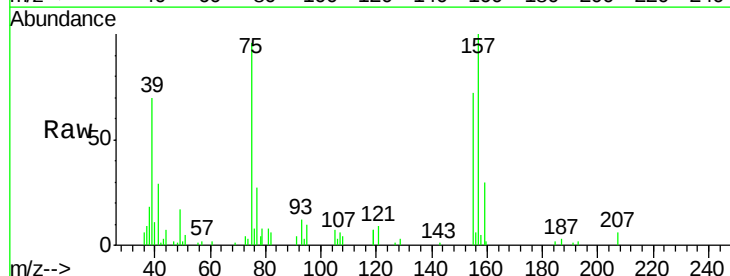
Manual Integrations
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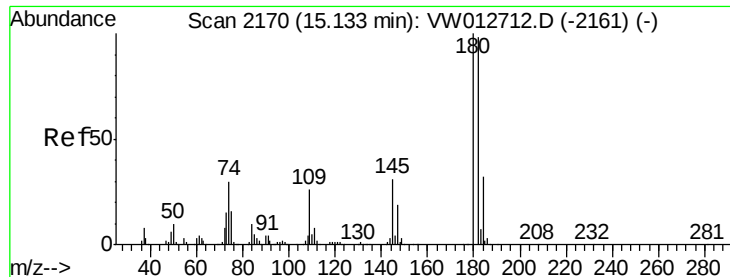
MMDadoda
 9/9/2019 11:24:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.204 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	40.6	122.0
157	101.2	52.5	157.5





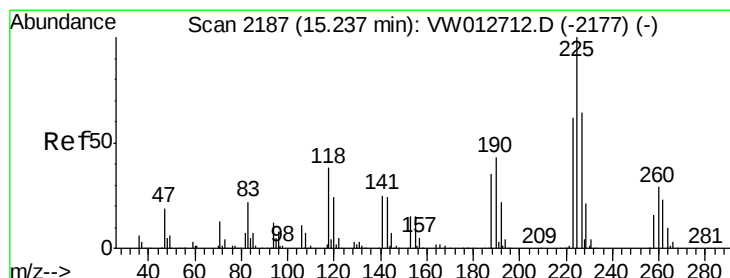
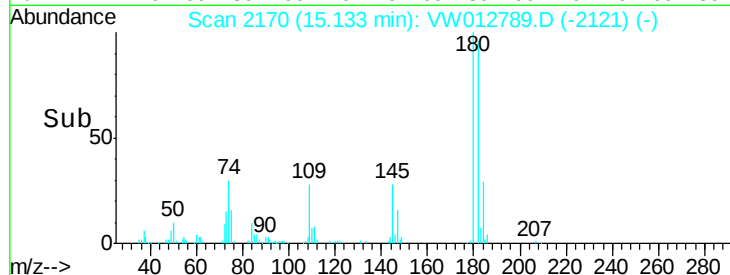
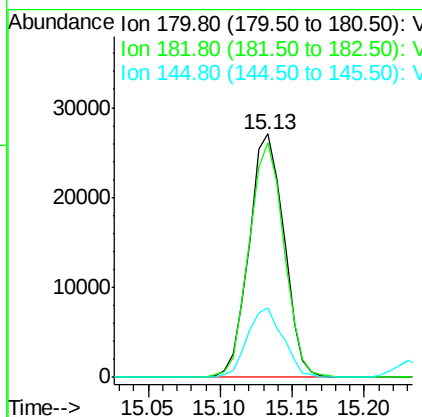
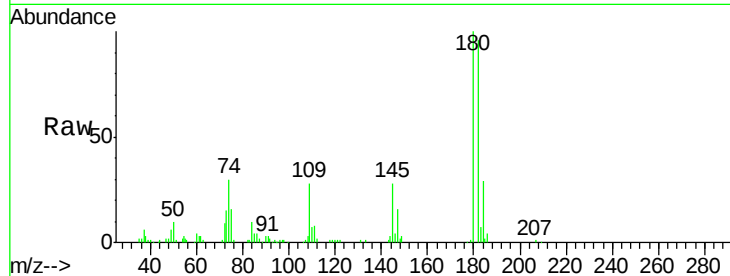
#93
 1,2,4-Trichlorobenzene
 Concen: 19.774 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45480		
182	96.2	48.7	146.1	
145	29.0	15.0	45.1	

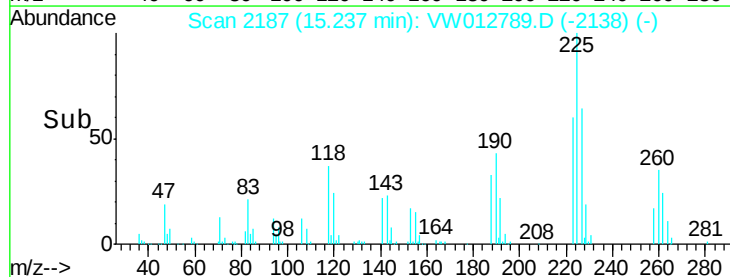
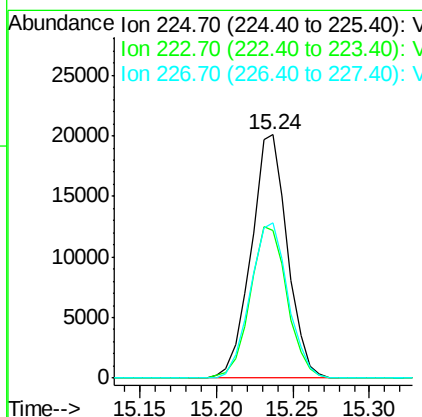
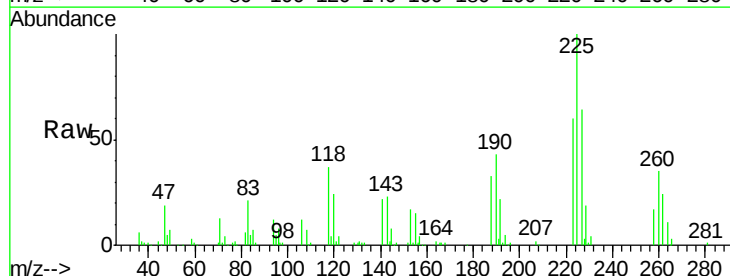
Manual Integrations
 APPROVED

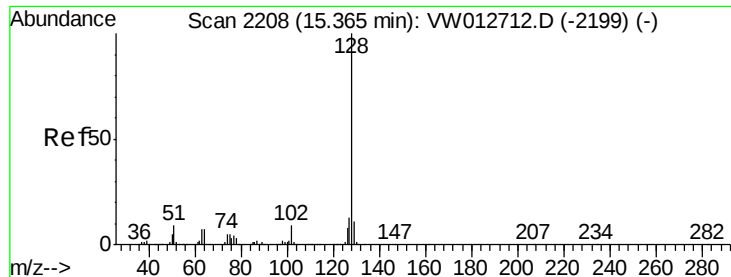
MMDadoda
 9/9/2019 11:24:48 AM



#94
 Hexachlorobutadiene
 Concen: 20.824 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012789.D
 Acq: 09 Sep 2019 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33151		
223	63.3	31.1	93.3	
227	66.0	31.4	94.2	





#95

Naphthalene

Concen: 20.899 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Instrument :

MSVOA_W

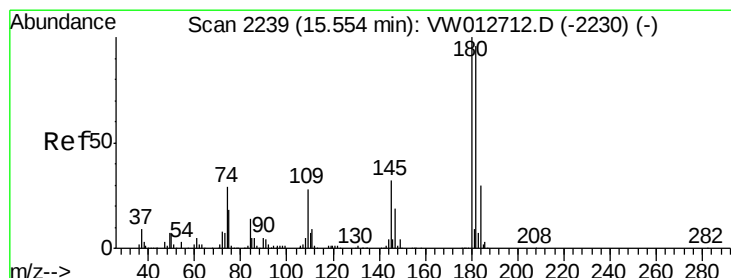
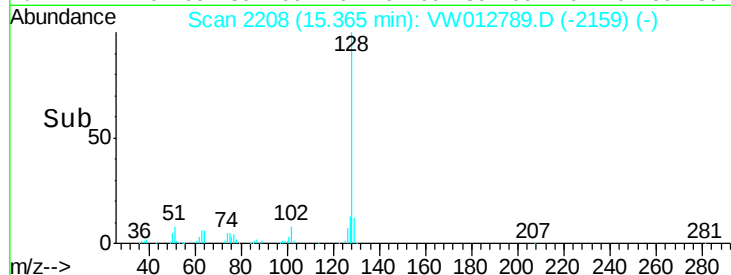
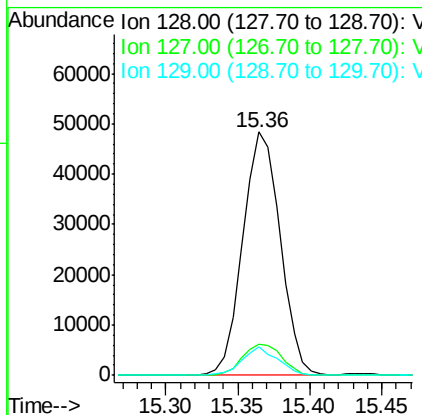
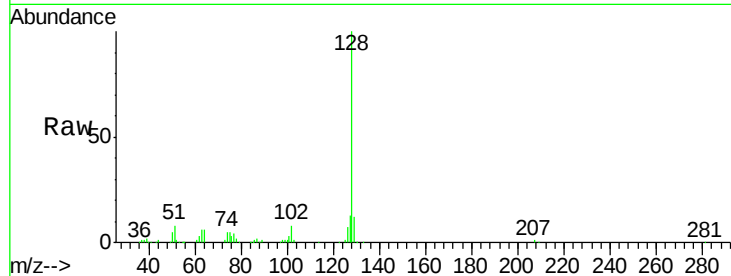
ClientSampleId :

VW0908SBS02

Tot Ion:	128	Resp:	87093
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:24:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.226 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW012789.D

Acq: 09 Sep 2019 00:22

Tgt Ion:	180	Resp:	41063
Ion Ratio	Lower	Upper	
180	100		
182	98.5	47.8	143.3
145	32.1	15.4	46.2

