

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013011.D
 Acq On : 15 Sep 2019 00:33
 Operator : SY/VA
 Sample : VW0915SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:45 AM

Quant Time: Sep 16 07:59:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	183823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135459	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
35) Dibromofluoromethane	7.88	113	110857	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	10.32	98	463453	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
62) 4-Bromofluorobenzene	12.62	95	170043	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26241	23.387	ug/l	95
3) Chloromethane	2.21	50	35431	25.277	ug/l	100
4) Vinyl Chloride	2.36	62	43771	22.987	ug/l	94
5) Bromomethane	2.77	94	24943	21.450	ug/l	96
6) Chloroethane	2.91	64	26449	22.648	ug/l	95
7) Trichlorofluoromethane	3.25	101	24355	18.291	ug/l	99
8) Diethyl Ether	3.67	74	22471	21.613	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43450	21.515	ug/l	97
10) Methyl Iodide	4.26	142	56353	22.297	ug/l	99
11) Tert butyl alcohol	5.20	59	21242	116.651	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	41038	22.349	ug/l	96
13) Acrolein	3.89	56	19200	101.851	ug/l	99
14) Allyl chloride	4.67	41	72901	20.912	ug/l	99
15) Acrylonitrile	5.37	53	63376	119.345	ug/l	99
16) Acetone	4.13	43	55204	91.124	ug/l	96
17) Carbon Disulfide	4.39	76	81632	22.308	ug/l	100
18) Methyl Acetate	4.67	43	39327	28.095	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	80519	22.214	ug/l	98
20) Methylene Chloride	4.92	84	49860	22.240	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	43152	21.941	ug/l	89
22) Diisopropyl ether	6.31	45	160426	22.152	ug/l	99
23) Vinyl Acetate	6.25	43	464292	107.041	ug/l	99
24) 1,1-Dichloroethane	6.21	63	88233	21.131	ug/l	99
25) 2-Butanone	7.17	43	89463	114.512	ug/l	98
26) 2,2-Dichloropropane	7.16	77	52102	16.781	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51015	21.666	ug/l	97
28) Bromochloromethane	7.51	49	36340	20.677	ug/l	97
29) Tetrahydrofuran	7.53	42	57483	129.134	ug/l	97
30) Chloroform	7.67	83	89250	21.036	ug/l	97
31) Cyclohexane	7.95	56	76161	21.910	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	72941	20.877	ug/l	96
36) 1,1-Dichloropropene	8.08	75	65013	20.687	ug/l	99
37) Ethyl Acetate	7.24	43	38297	22.959	ug/l	97
38) Carbon Tetrachloride	8.06	117	64389	19.993	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	72937	21.180	ug/l	99
40) Benzene	8.32	78	183725	20.942	ug/l	99
41) Methacrylonitrile	7.48	41	24800	22.577	ug/l	96
42) 1,2-Dichloroethane	8.40	62	62541	21.266	ug/l	99
43) Isopropyl Acetate	8.42	43	74539	23.273	ug/l	99
44) Trichloroethene	9.09	130	50699	21.098	ug/l	85
45) 1,2-Dichloropropane	9.37	63	49256	21.132	ug/l	100
46) Dibromomethane	9.45	93	24607	22.035	ug/l	98
47) Bromodichloromethane	9.64	83	64941	20.732	ug/l	97
48) Methyl methacrylate	9.43	41	35396	23.549	ug/l	98
49) 1,4-Dioxane	9.46	88	8874	474.235	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	205059	124.014	ug/l	98
52) Toluene	10.38	92	121715	21.833	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	64458	20.461	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	74066	20.548	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38461	22.608	ug/l	99
56) Ethyl methacrylate	10.65	69	52376	22.873	ug/l	99
57) 1,3-Dichloropropane	10.93	76	68257	22.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	136254	110.923	ug/l	99
59) 2-Hexanone	10.97	43	138035	119.889	ug/l	99
60) Dibromochloromethane	11.13	129	43941	21.364	ug/l	96
61) 1,2-Dibromoethane	11.23	107	35975	23.181	ug/l	99
64) Tetrachloroethene	10.86	164	47507	22.394	ug/l	96
65) Chlorobenzene	11.65	112	128777	20.274	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	48361	19.868	ug/l	97
67) Ethyl Benzene	11.73	91	239035	20.376	ug/l	98
68) m/p-Xylenes	11.84	106	178519	41.657	ug/l	99
69) o-Xylene	12.16	106	83665	20.824	ug/l	97
70) Styrene	12.18	104	149480	20.915	ug/l	98
71) Bromoform	12.35	173	26821	20.978	ug/l	99
73) Isopropylbenzene	12.46	105	242827	19.930	ug/l	99
74) N-amyl acetate	12.27	43	68750	21.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	48922	22.861	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38843m	24.124	ug/l	
77) Bromobenzene	12.74	156	57255	20.398	ug/l	99
78) n-propylbenzene	12.80	91	282674	19.723	ug/l	99
79) 2-Chlorotoluene	12.89	91	167959	20.386	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	207241	20.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14109	19.878	ug/l	99
82) 4-Chlorotoluene	12.99	91	174619	20.087	ug/l	99
83) tert-Butylbenzene	13.21	119	184400	20.000	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	204690	20.095	ug/l	99
85) sec-Butylbenzene	13.38	105	253639	20.191	ug/l	99
86) p-Isopropyltoluene	13.49	119	228448	19.808	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108333	19.496	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	108960	19.954	ug/l	98
89) n-Butylbenzene	13.82	91	212103	19.501	ug/l	100
90) Hexachloroethane	14.09	117	38862	18.803	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	100420	20.550	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9064	23.139	ug/l	91

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QLast Update : Fri Sep 13 17:26:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	68592	19.683	ug/l	98
94) Hexachlorobutadiene	15.23	225	49016	19.868	ug/l	98
95) Naphthalene	15.36	128	126649	21.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	62509	20.291	ug/l	99

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

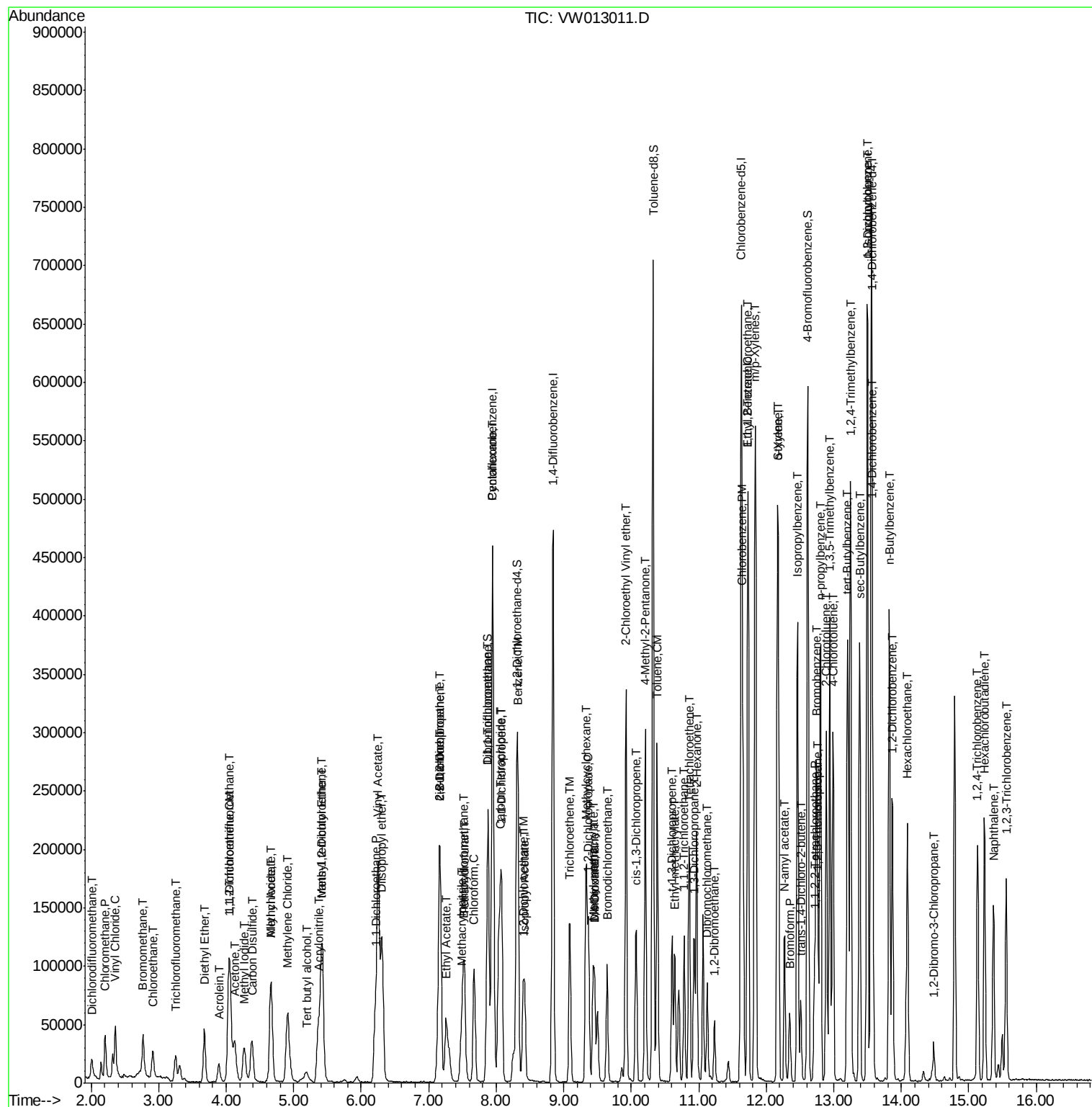
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
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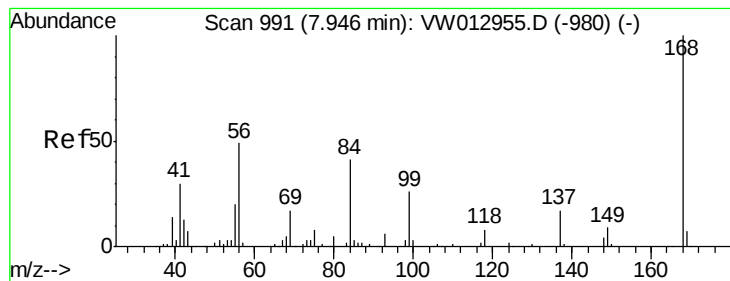
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tot Ion: 168 Resp: 266027

Ion Ratio Lower Upper

168 100

99 54.7 46.2 69.2

Instrument :

MSVOA_W

ClientSampleId :

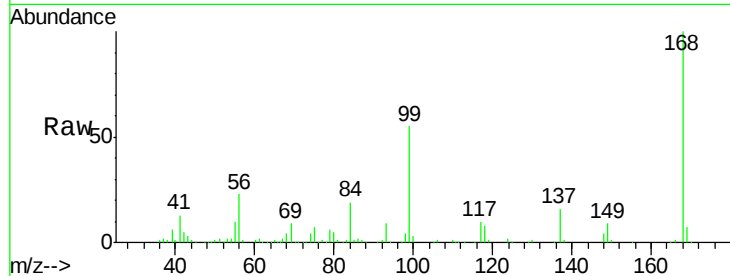
VW0915SBS02

Manual Integrations

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9/16/2019 11:14:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

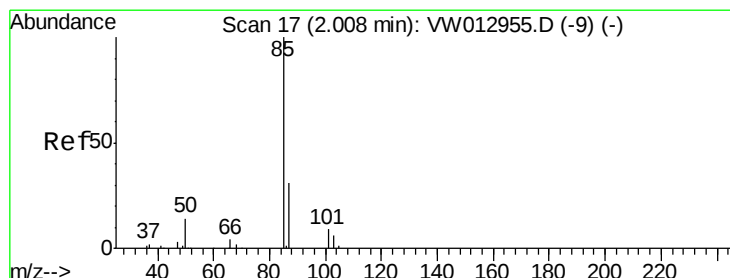
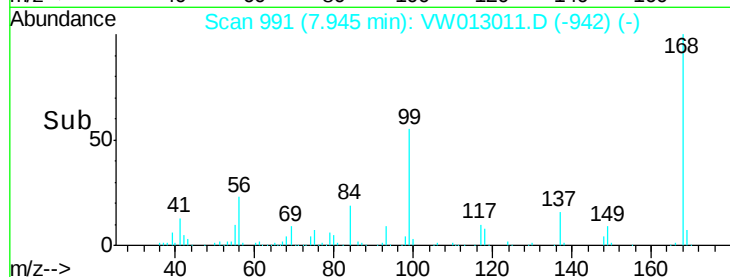
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.387 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013011.D

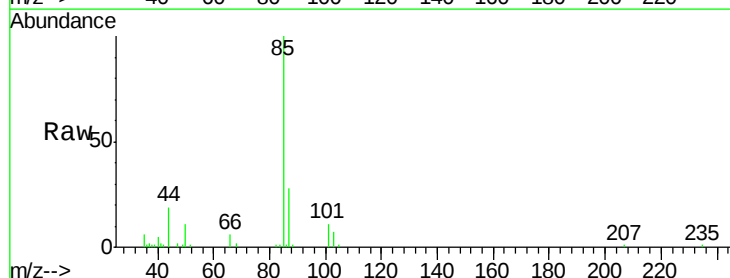
Acq: 15 Sep 2019 00:33

Tgt Ion: 85 Resp: 26241

Ion Ratio Lower Upper

85 100

87 28.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

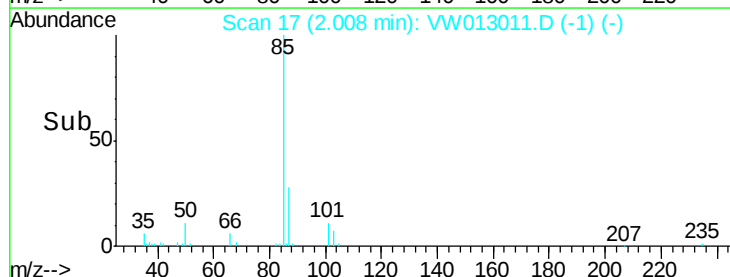
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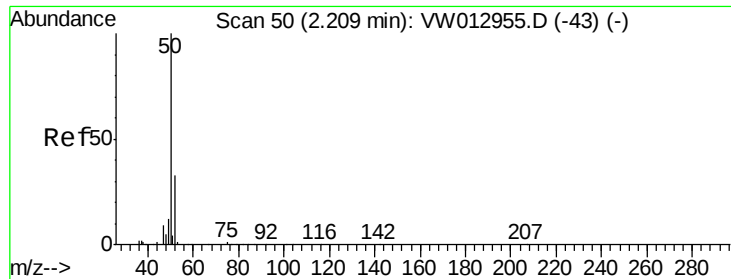
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 25.277 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 50 Resp: 35431

Ion Ratio Lower Upper

50 100

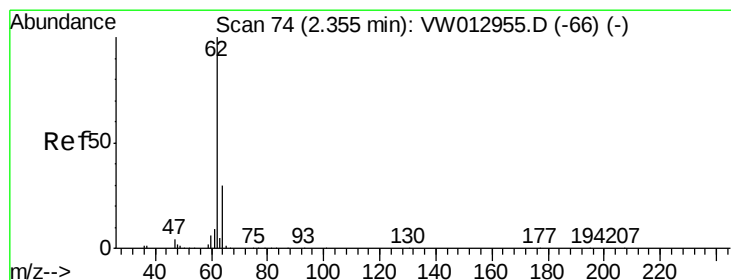
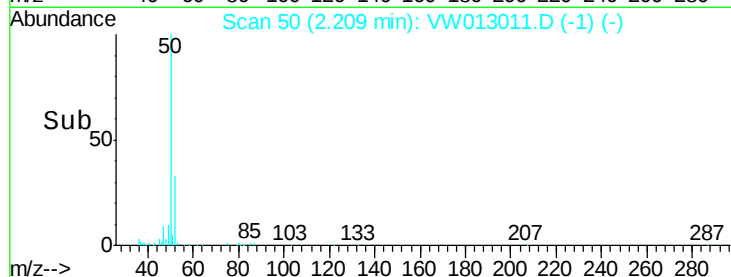
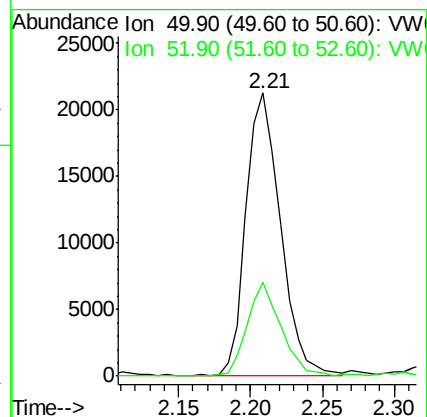
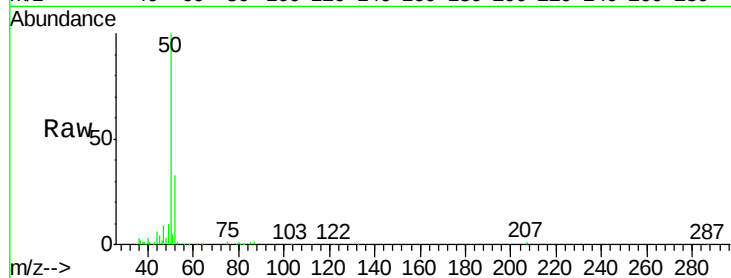
52 33.0 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.987 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013011.D

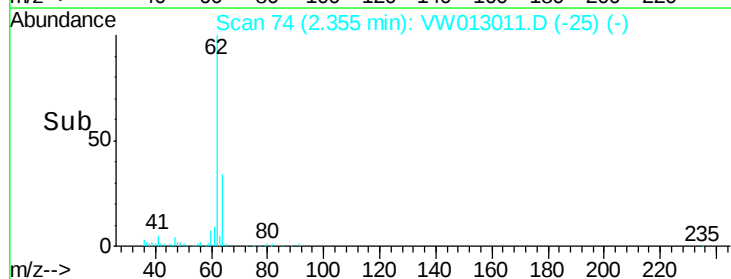
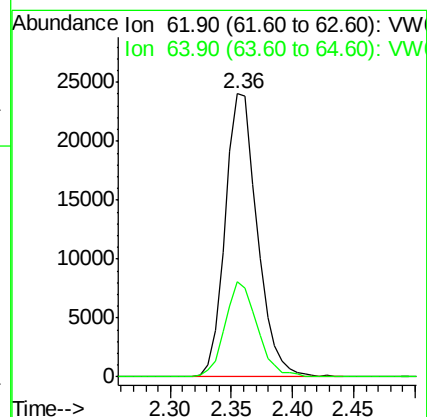
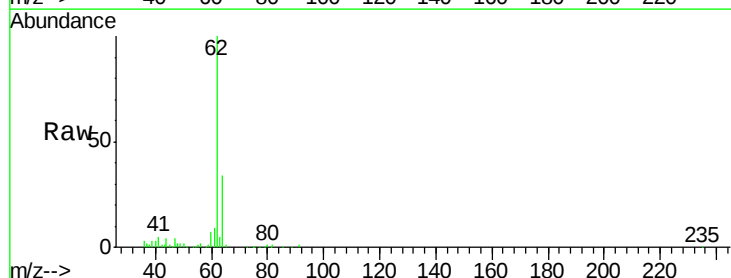
Acq: 15 Sep 2019 00:33

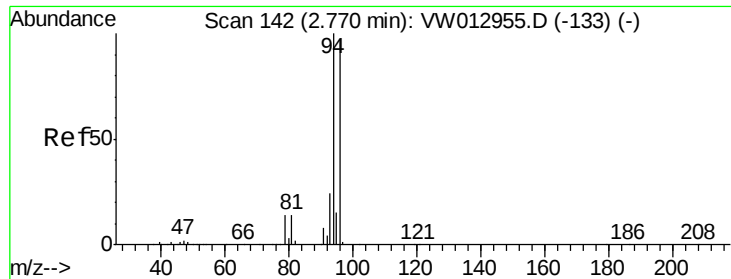
Tgt Ion: 62 Resp: 43771

Ion Ratio Lower Upper

62 100

64 33.7 24.2 36.4





#5

Bromomethane

Concen: 21.450 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 94 Resp: 24943

Ion Ratio Lower Upper

94 100

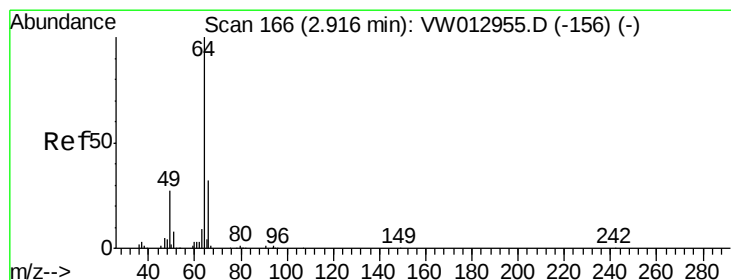
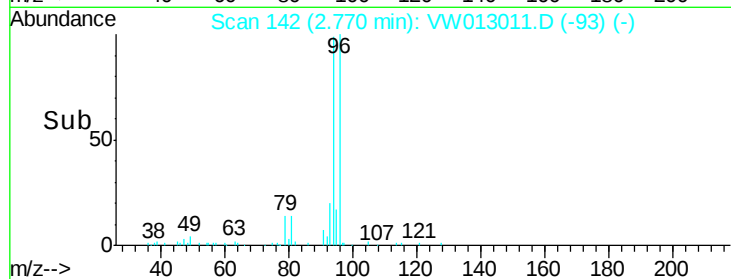
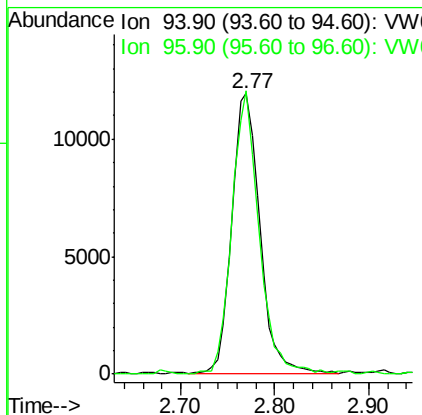
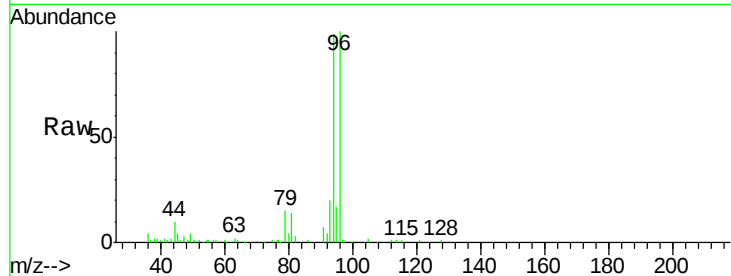
96 101.0 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 22.648 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013011.D

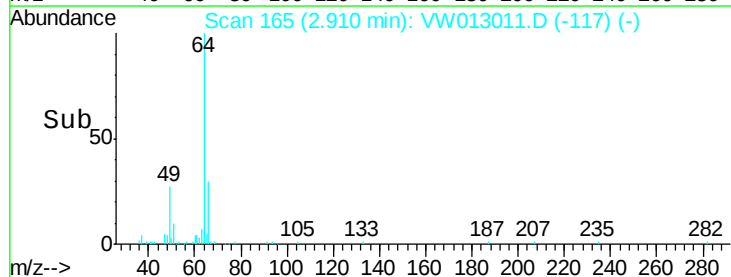
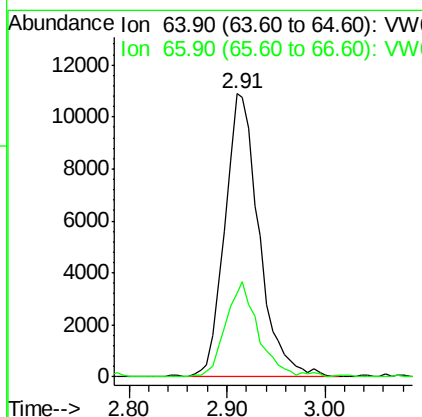
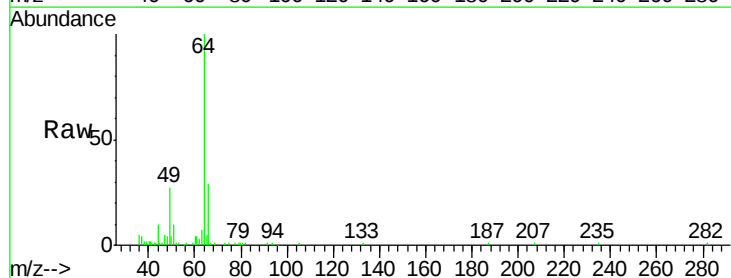
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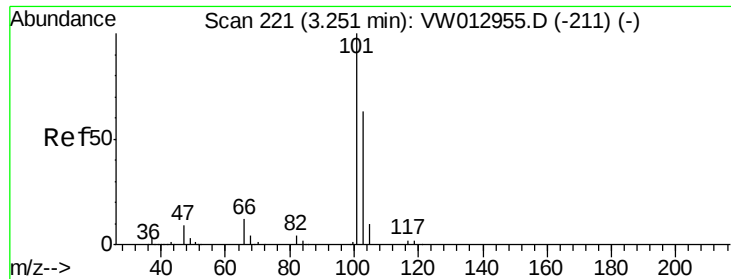
Tgt Ion: 64 Resp: 26449

Ion Ratio Lower Upper

64 100

66 29.5 25.9 38.9





#7

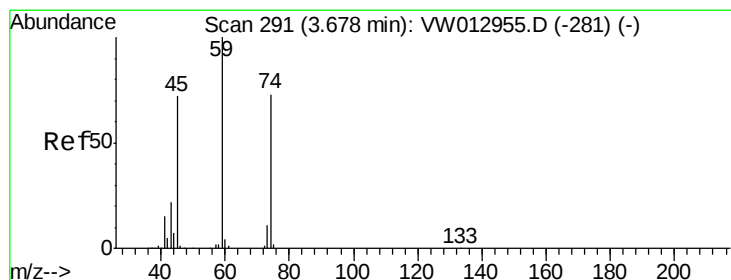
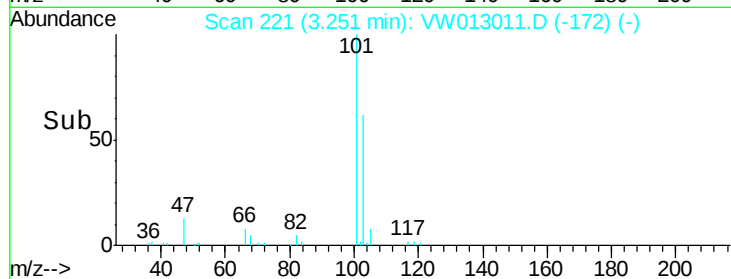
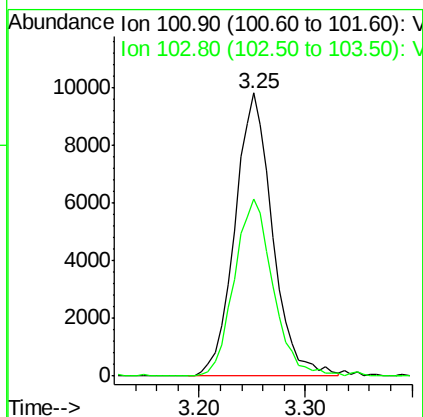
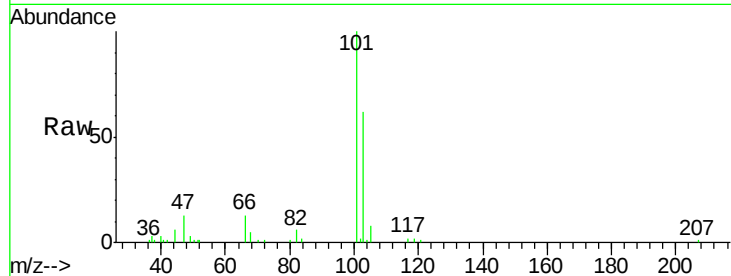
Trichlorofluoromethane
 Concen: 18.291 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	50.7	76.1

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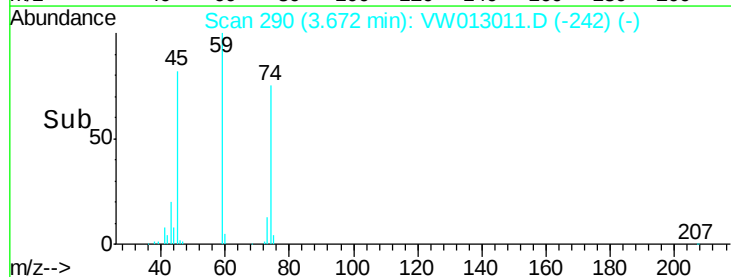
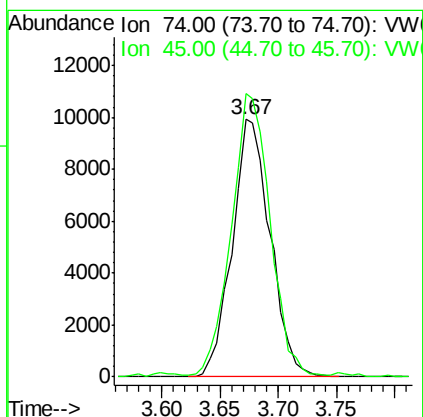
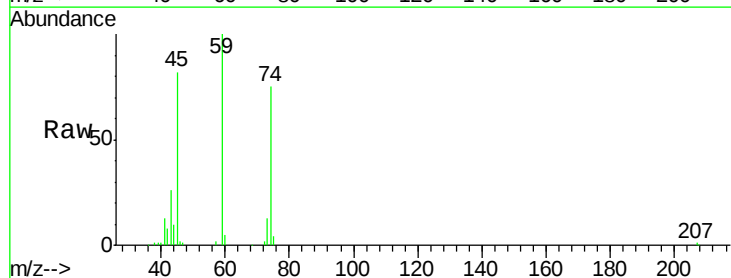
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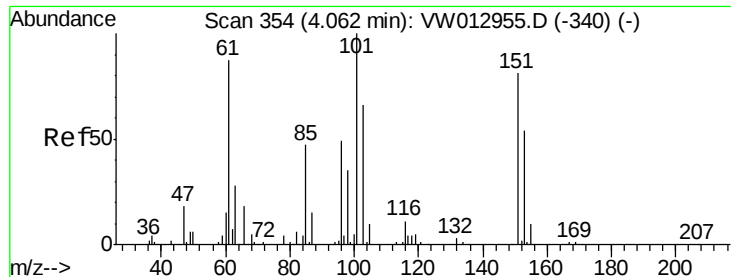


#8

Diethyl Ether
 Concen: 21.613 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.515 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

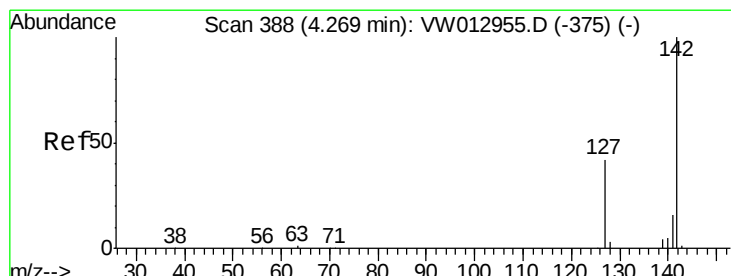
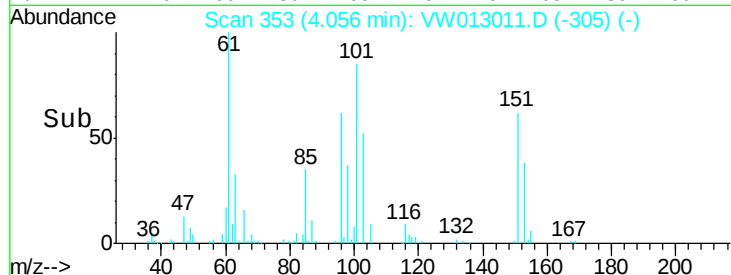
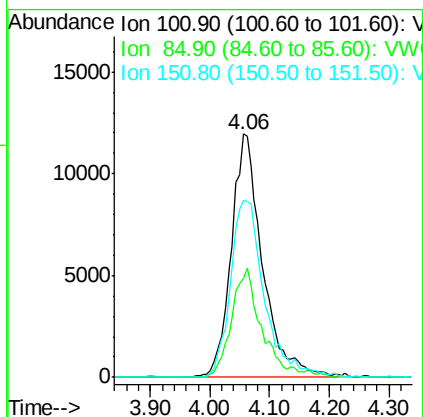
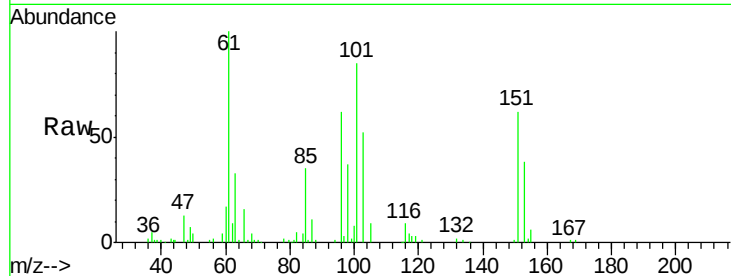
ClientSampleId :

VW0915SBS02

Tot Ion:	101	Resp:	43450
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.9	52.3
151	79.2	66.0	99.0

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#10

Methyl Iodide

Concen: 22.297 ug/l

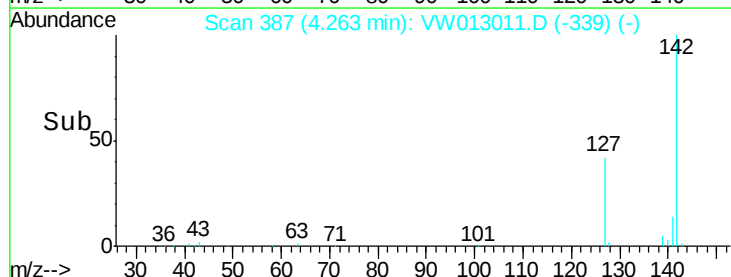
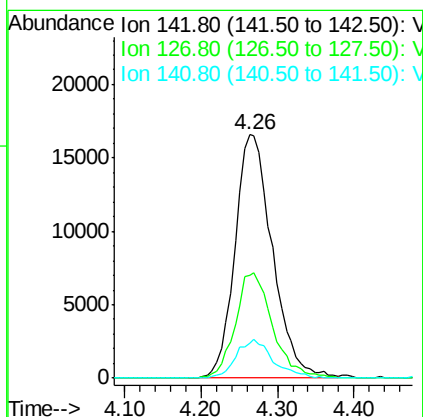
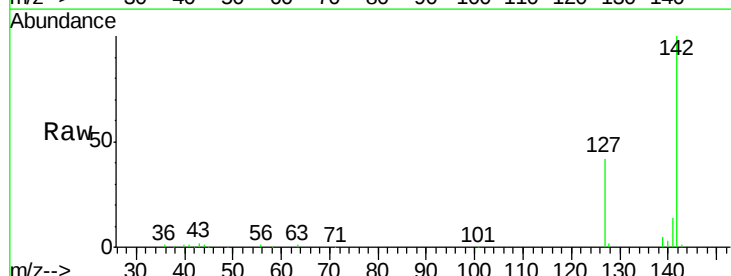
RT: 4.26 min Scan# 387

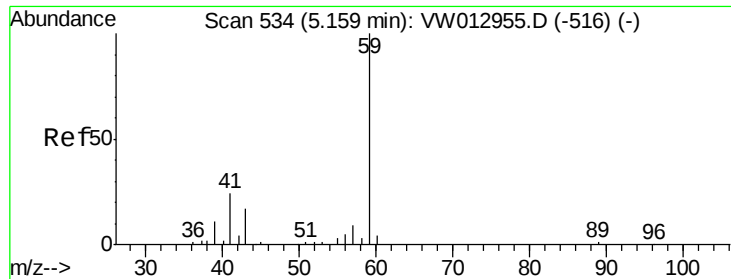
Delta R.T. -0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	142	Resp:	56353
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.7	52.1
141	15.7	12.2	18.2





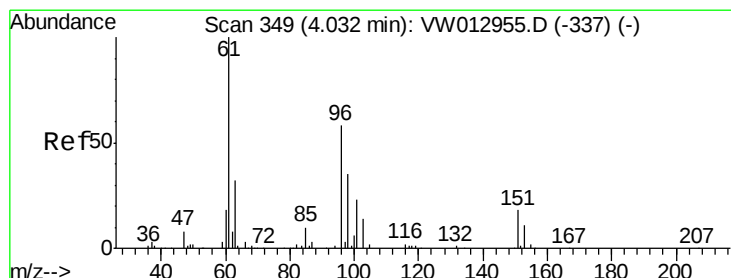
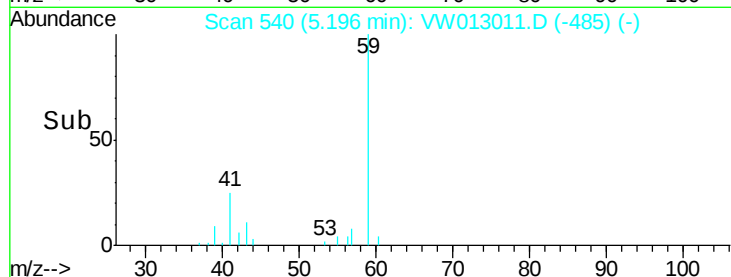
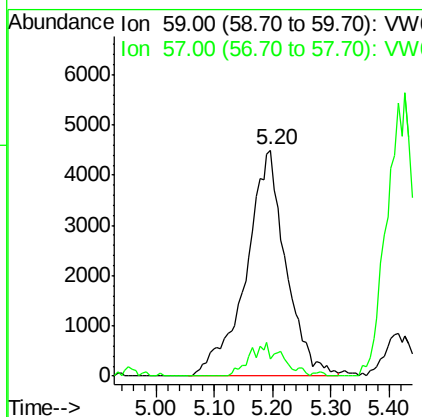
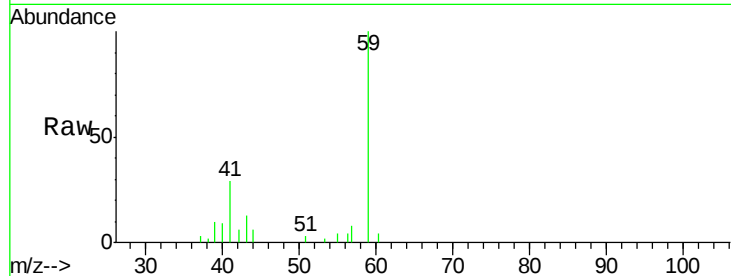
#11
Tert butyl alcohol
Concen: 116.651 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.04 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	21242		
57	57	8.0		8.5	12.7#

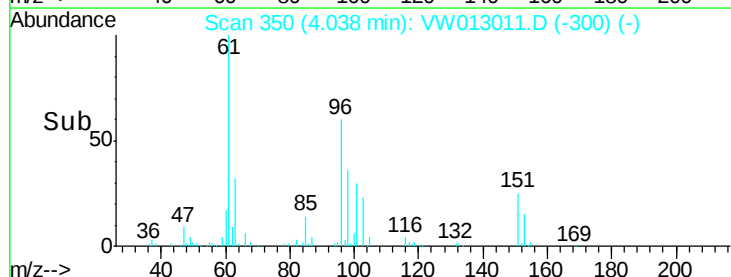
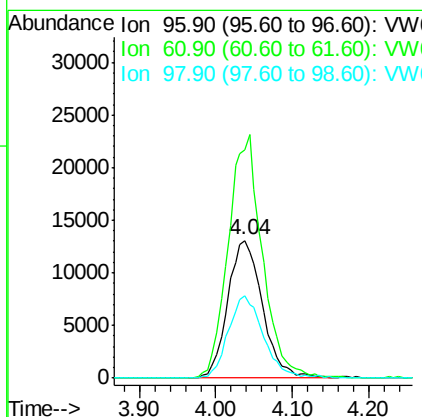
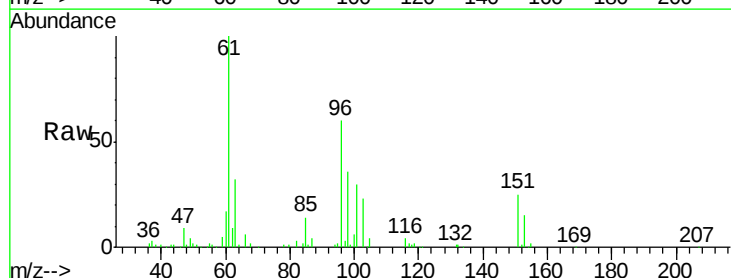
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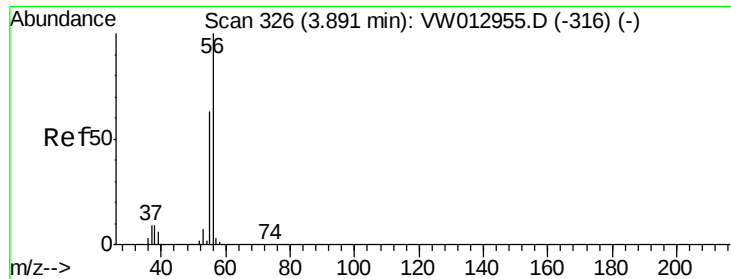
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.349 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	41038		
61	61	165.7		137.9	206.9
98	98	60.0		48.9	73.3





#13

Acrolein

Concen: 101.851 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 56 Resp: 19200

Ion Ratio Lower Upper

56 100

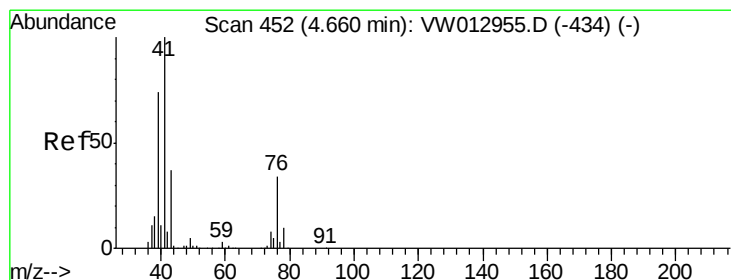
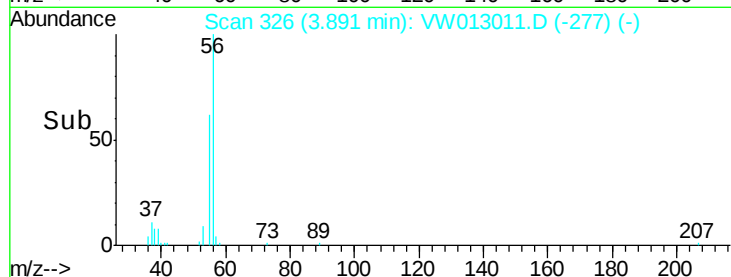
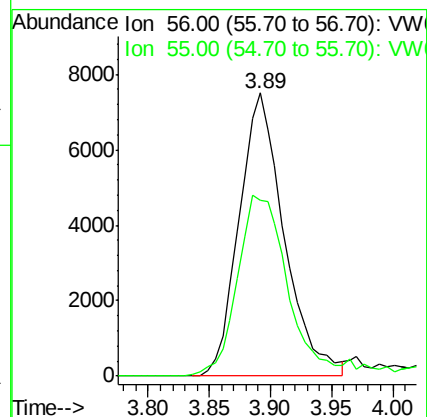
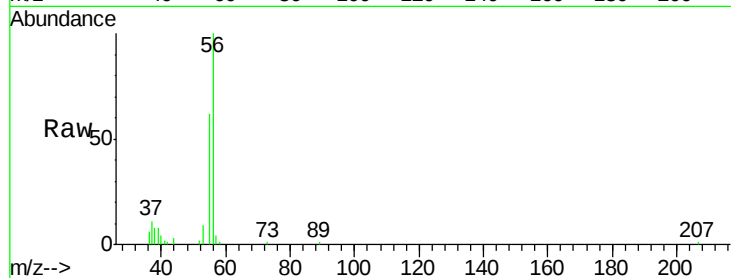
55 70.4 55.8 83.8

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#14

Allyl chloride

Concen: 20.912 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

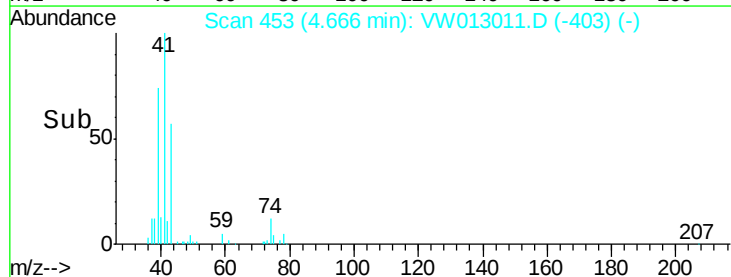
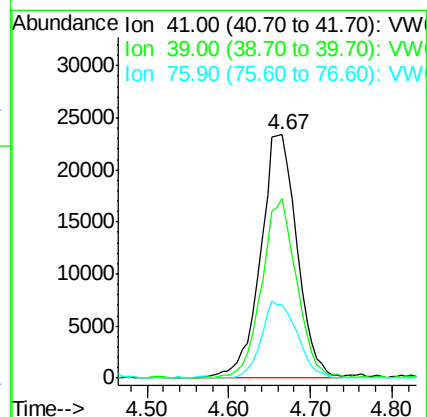
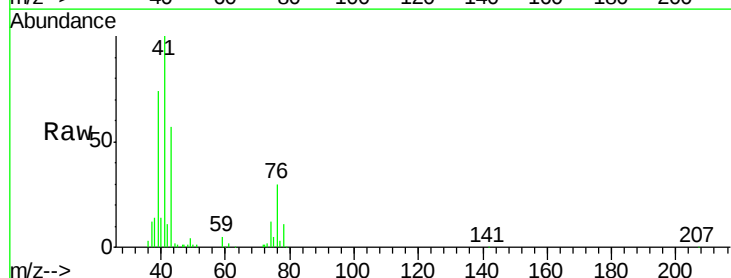
Tgt Ion: 41 Resp: 72901

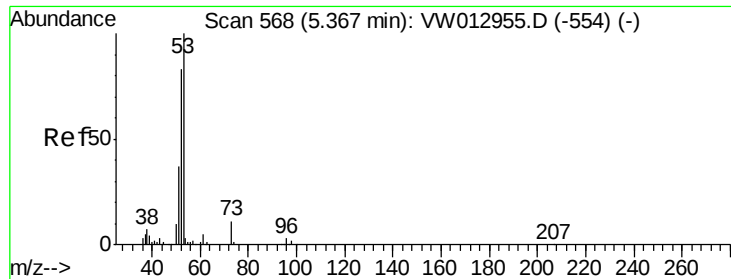
Ion Ratio Lower Upper

41 100

39 70.5 56.7 85.1

76 30.8 25.1 37.7





#15

Acrylonitrile

Concen: 119.345 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

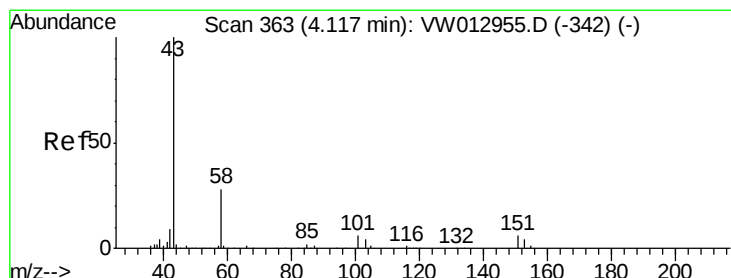
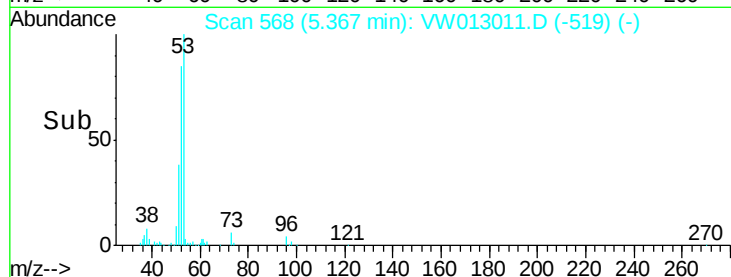
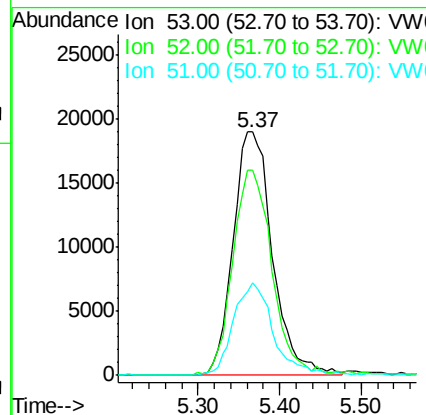
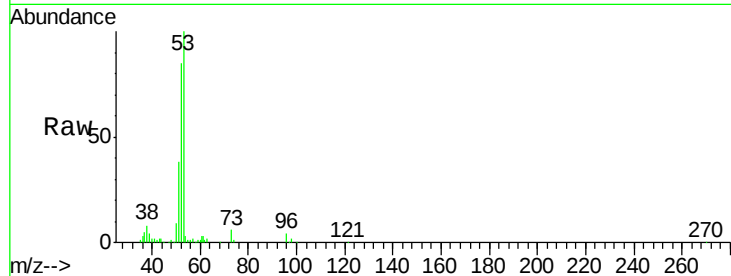
ClientSampleId :

VW0915SBS02

Tot Ion:	53	Resp:	63376
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.6	100.0
51	38.1	29.8	44.8

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#16

Acetone

Concen: 91.124 ug/l

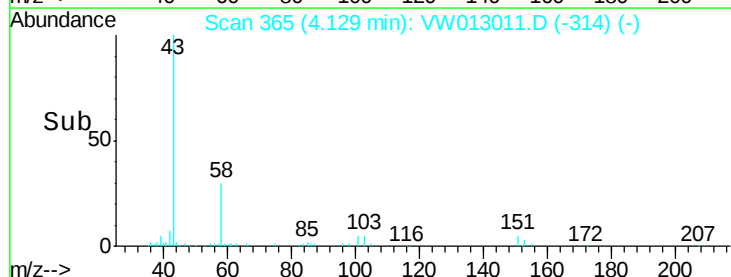
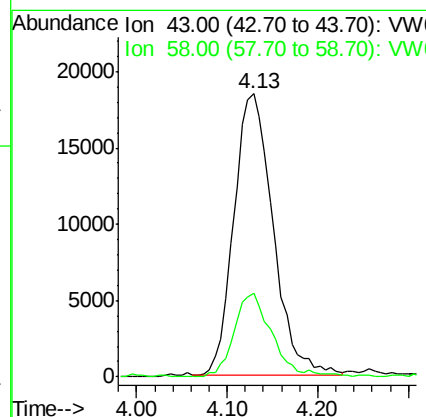
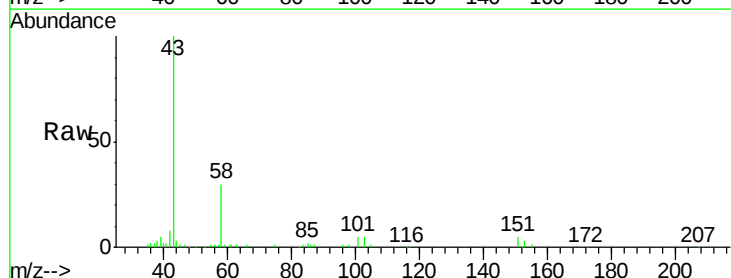
RT: 4.13 min Scan# 365

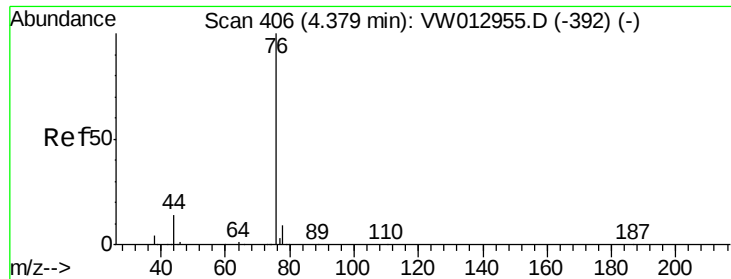
Delta R.T. 0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	43	Resp:	55204
Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.3	33.5





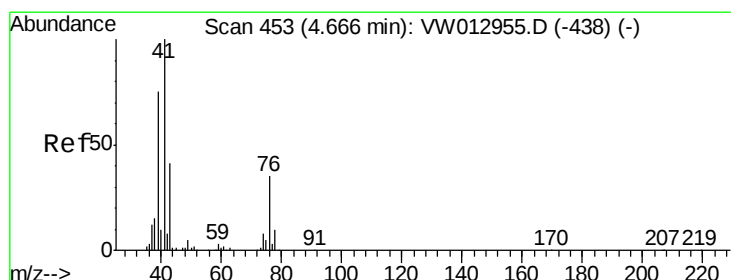
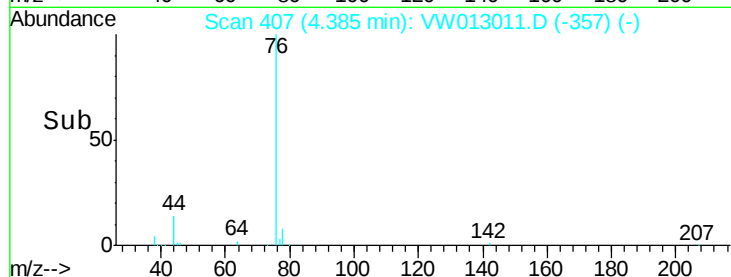
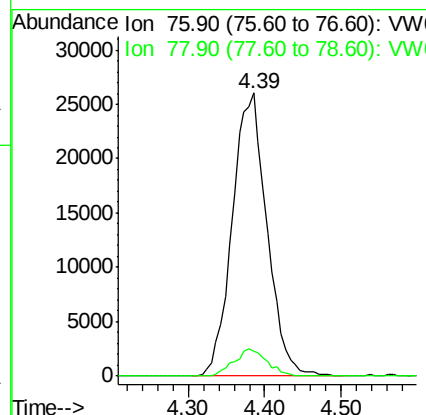
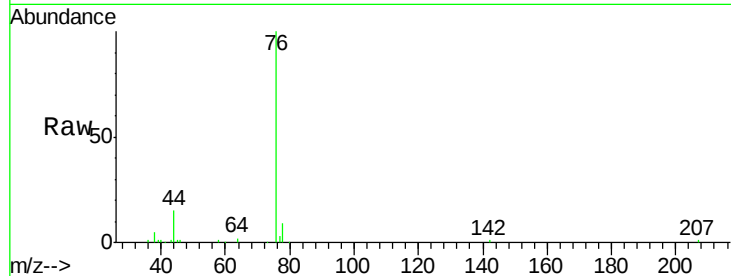
#17
Carbon Disulfide
Concen: 22.308 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

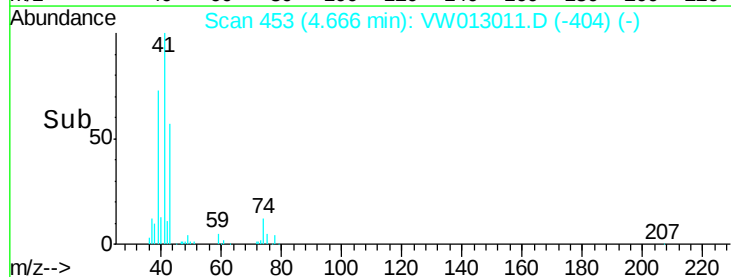
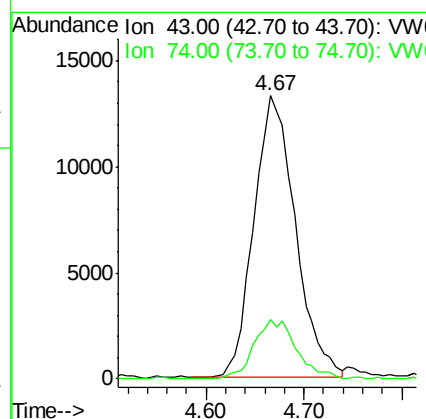
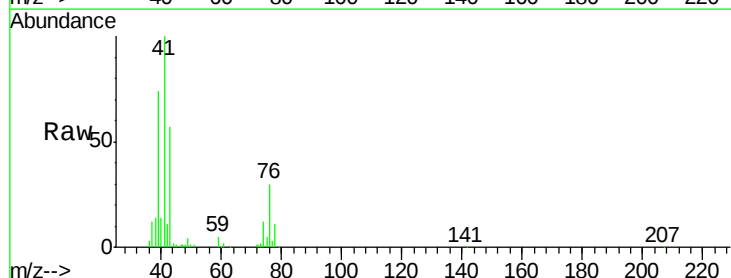
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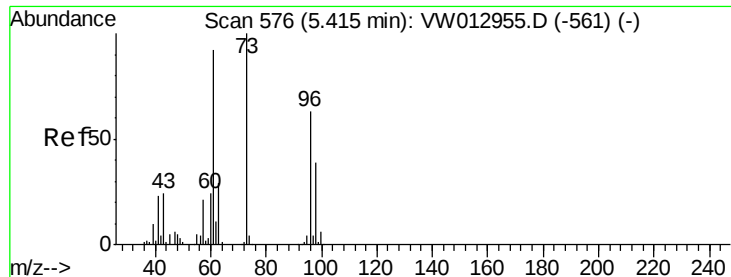
MMDadoda
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#18
Methyl Acetate
Concen: 28.095 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.8	26.8





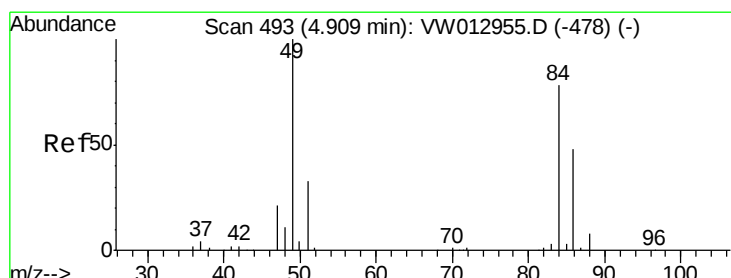
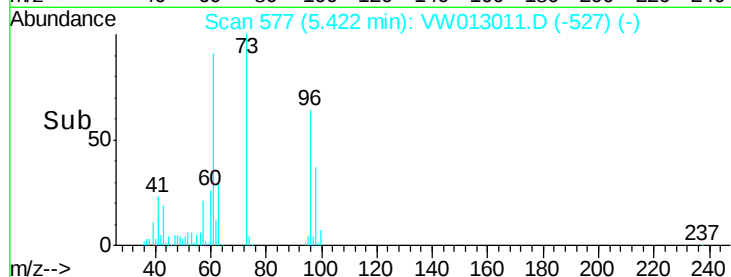
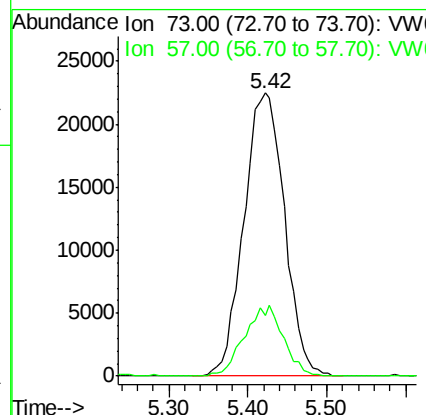
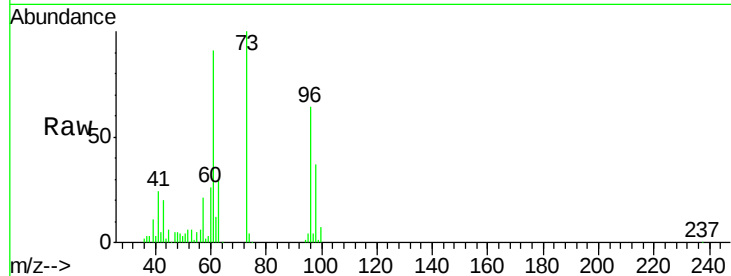
#19
Methvl tert-butvl Ether
Concen: 22.214 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion: 73 Resp: 80519
Ion Ratio Lower Upper
73 100
57 21.2 16.4 24.6

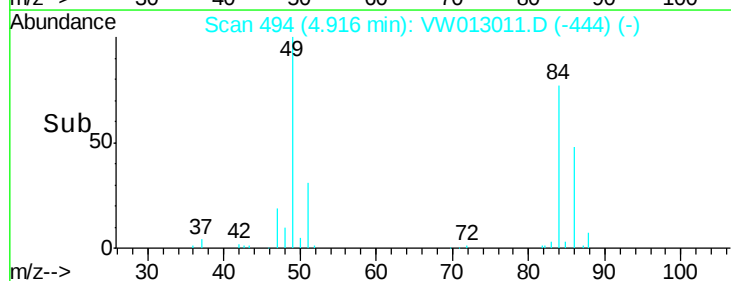
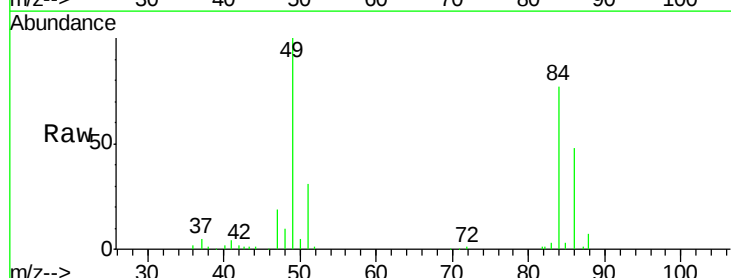
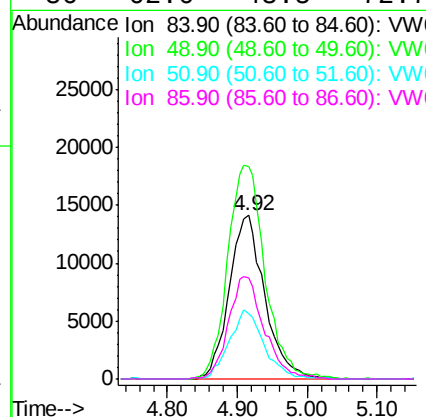
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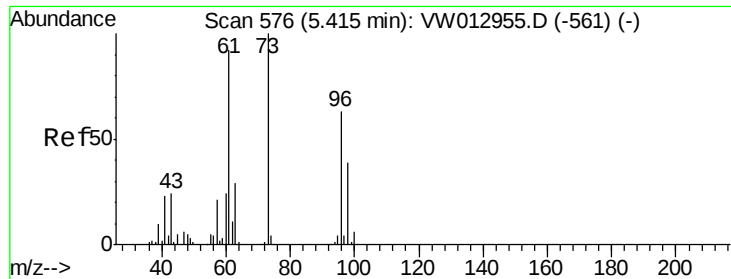
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#20
Methylene Chloride
Concen: 22.240 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 84 Resp: 49860
Ion Ratio Lower Upper
84 100
49 130.1 102.0 153.0
51 39.9 34.0 51.0
86 62.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 21.941 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

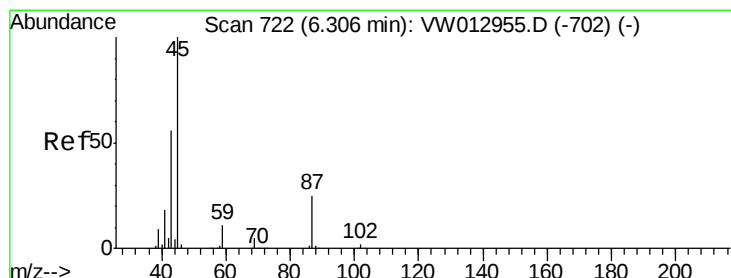
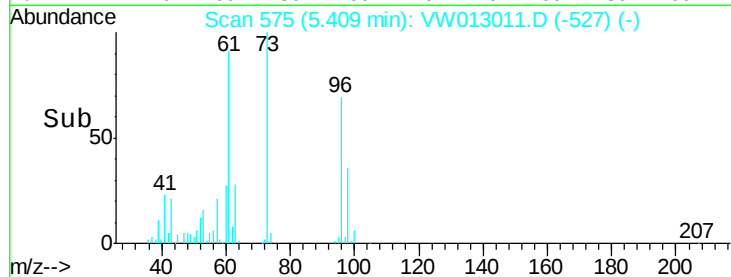
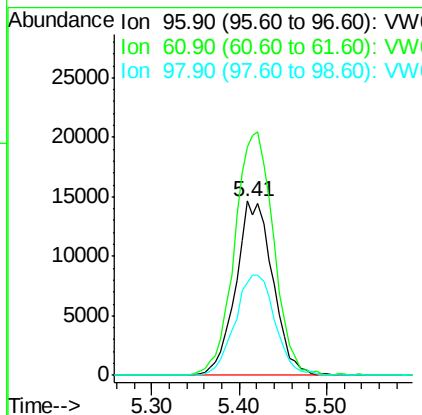
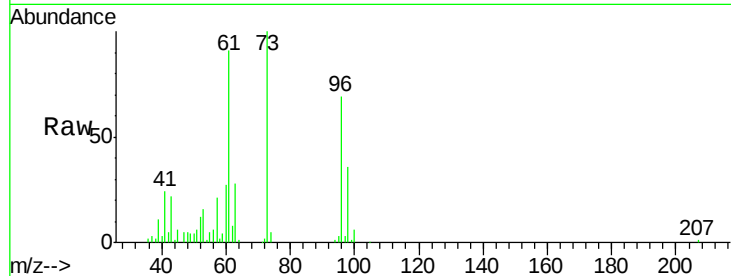
ClientSampleId :

VW0915SBS02

Tot Ion:	96	Resp:	43152
Ion	Ratio	Lower	Upper
96	100		
61	131.2	116.2	174.2
98	52.8	49.8	74.6

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#22

Diisopropyl ether

Concen: 22.152 ug/l

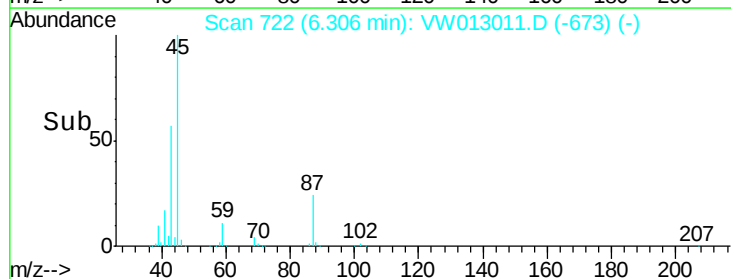
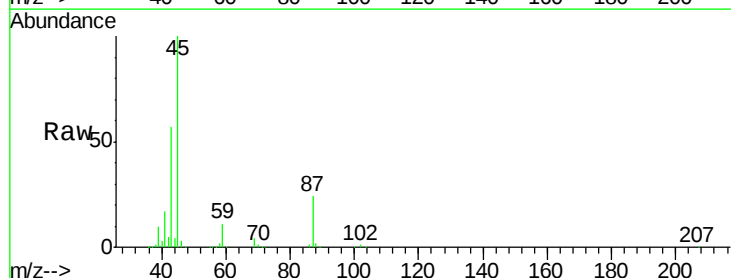
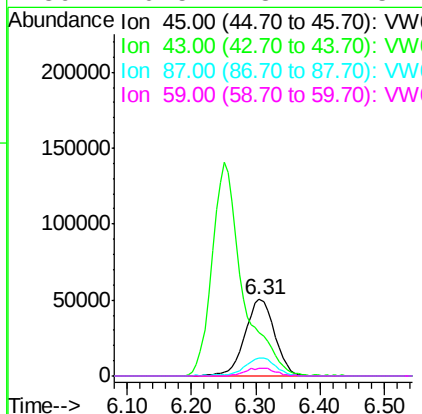
RT: 6.31 min Scan# 722

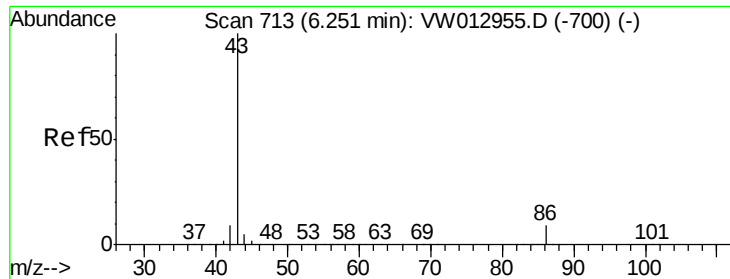
Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	45	Resp:	160426
Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.6	67.0
87	23.8	20.0	30.0
59	10.5	8.7	13.1





#23

Vinyl Acetate

Concen: 107.041 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 43 Resp: 464292

Ion Ratio Lower Upper

43 100

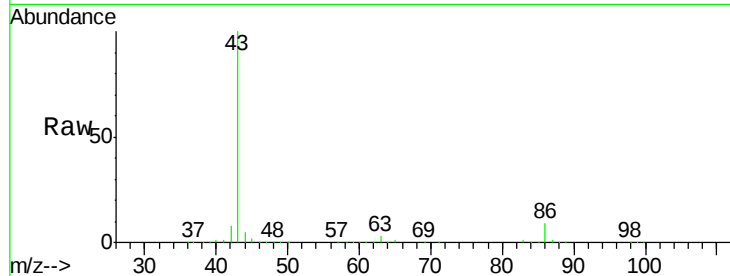
86 9.0 7.0 10.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

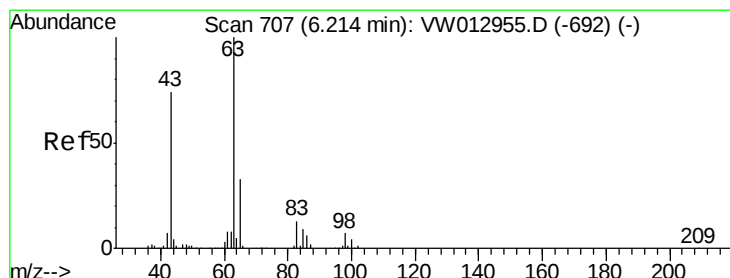
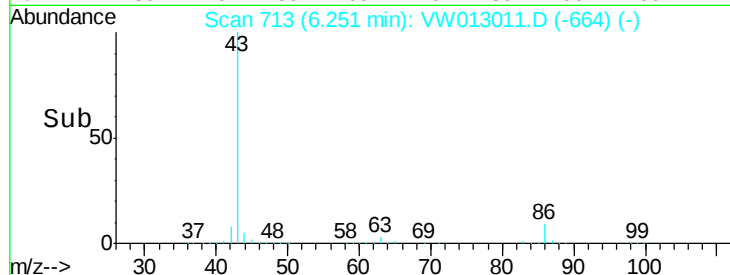
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.131 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

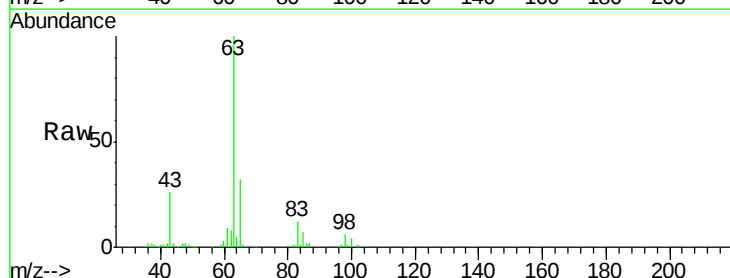
Tgt Ion: 63 Resp: 88233

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.0 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

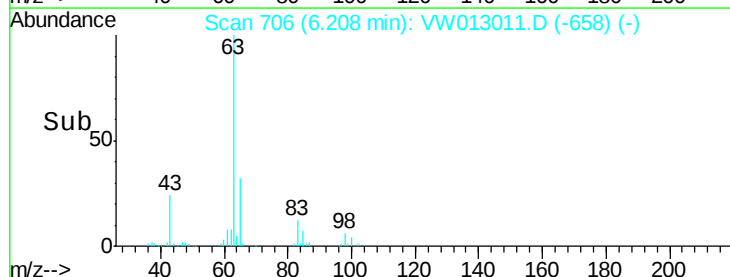
30000

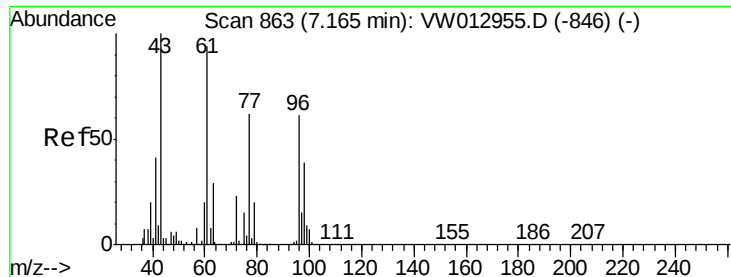
20000

10000

0

Time-->





#25

2-Butanone

Concen: 114.512 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 43 Resp: 89463

Ion Ratio Lower Upper

43 100

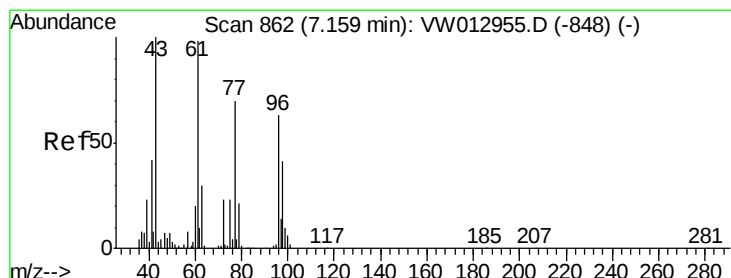
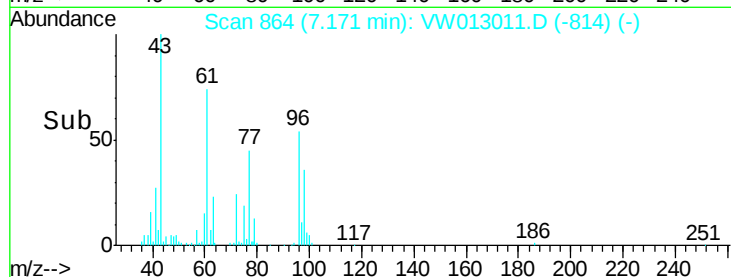
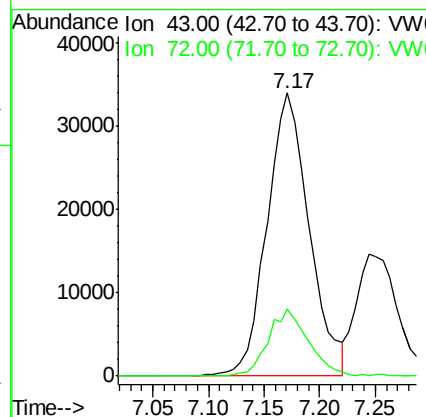
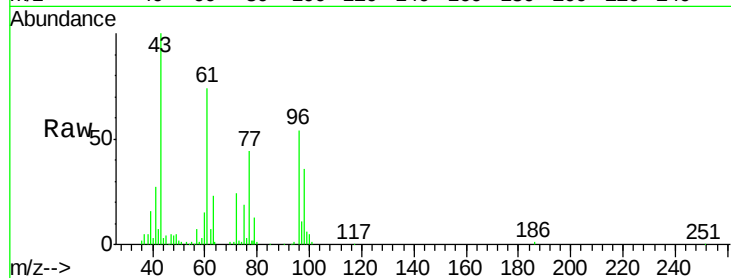
72 23.6 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.781 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013011.D

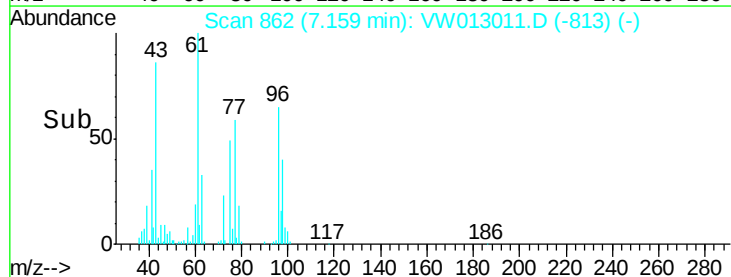
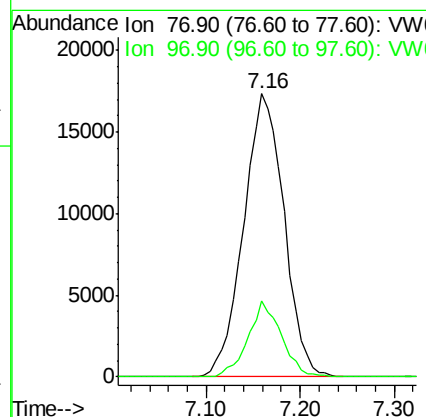
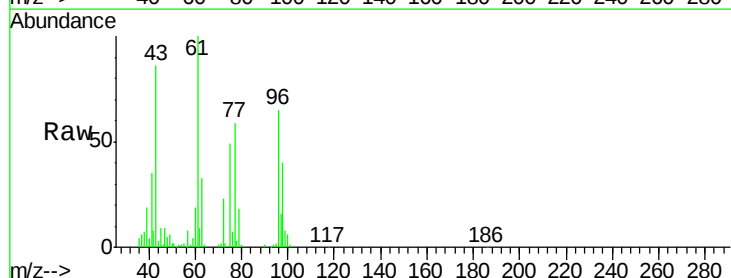
Acq: 15 Sep 2019 00:33

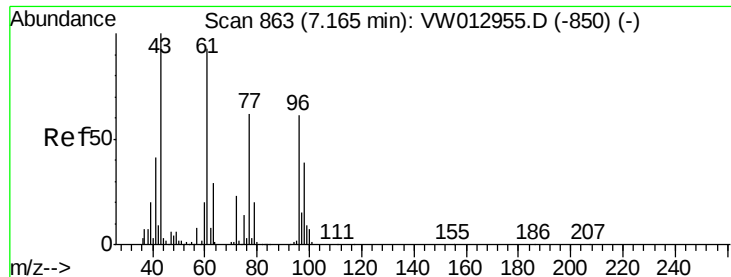
Tgt Ion: 77 Resp: 52102

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

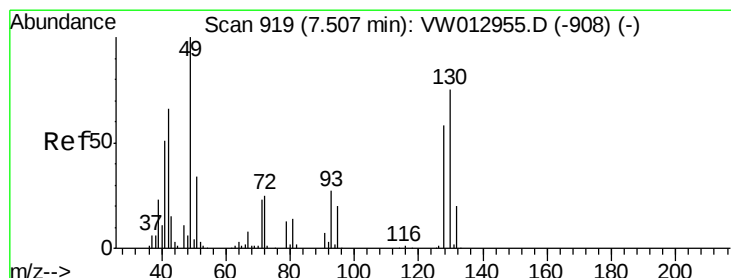
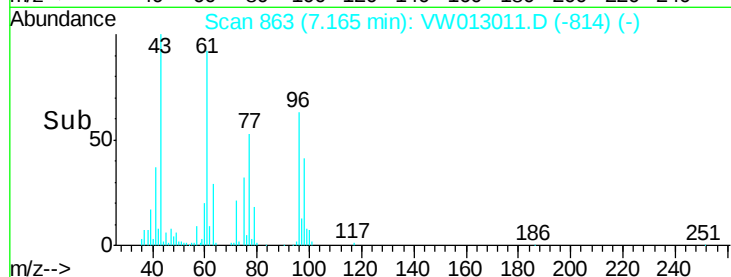
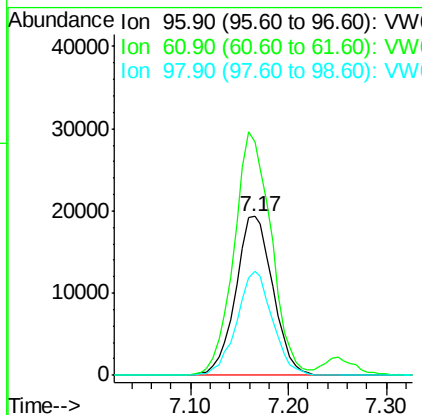
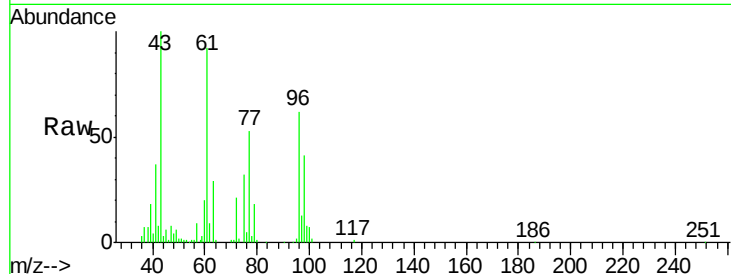
cis-1,2-Dichloroethene
 Concen: 21.666 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	315.4
98	62.9	0.0	131.0

Manual Integrations
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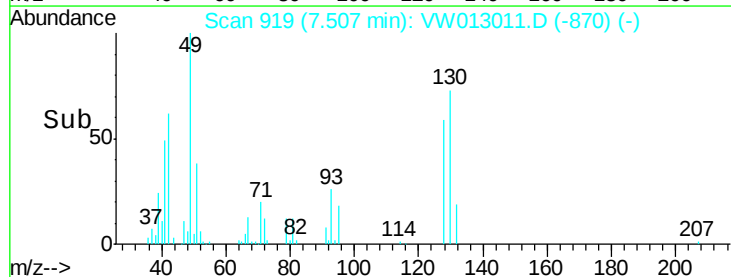
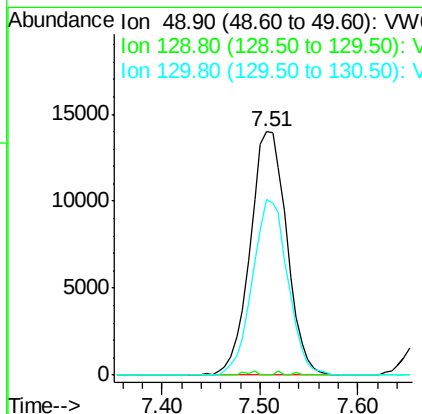
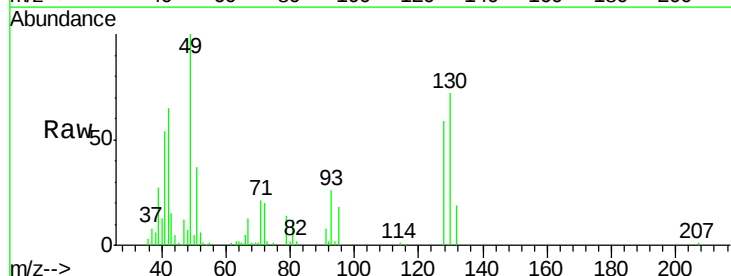
MMDadoda
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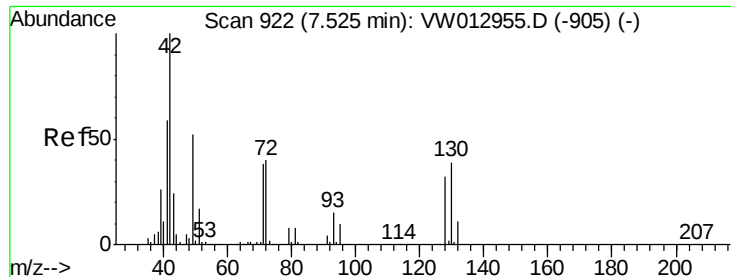


#28

Bromochloromethane
 Concen: 20.677 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.4
130	69.8	57.8	86.6





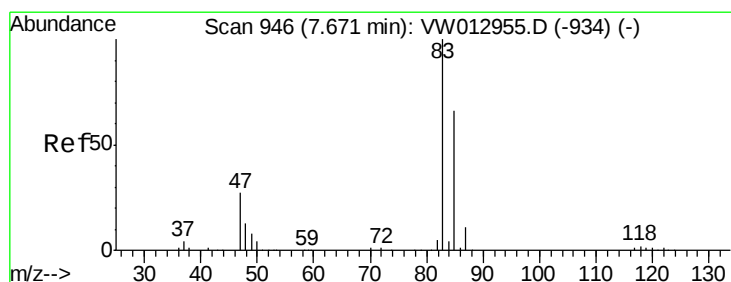
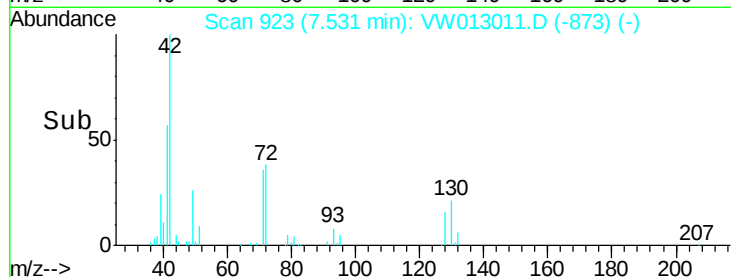
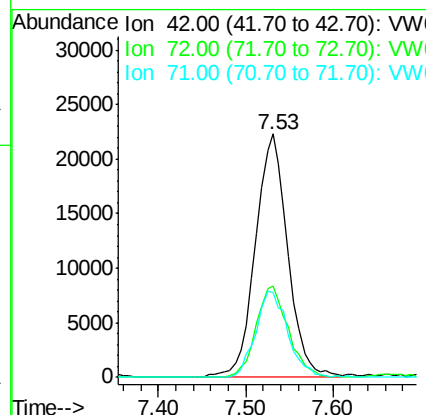
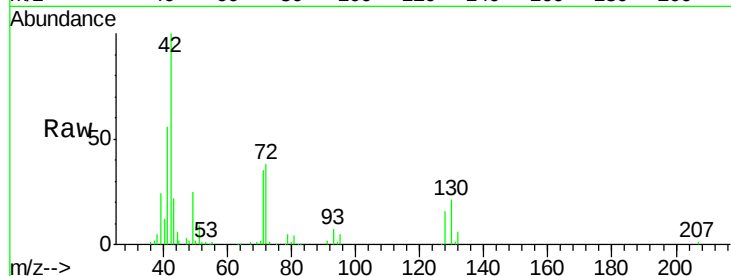
#29
Tetrahydrofuran
Concen: 129.134 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	31.4	47.0
71	35.5	29.8	44.8

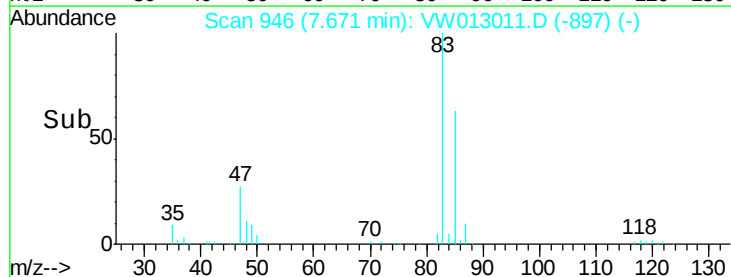
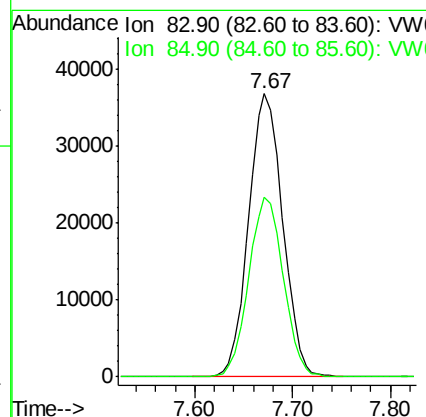
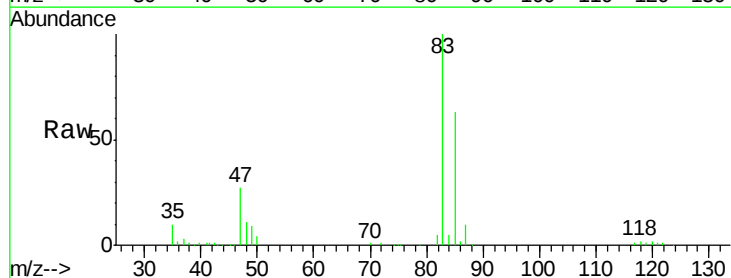
Manual Integrations
APPROVED

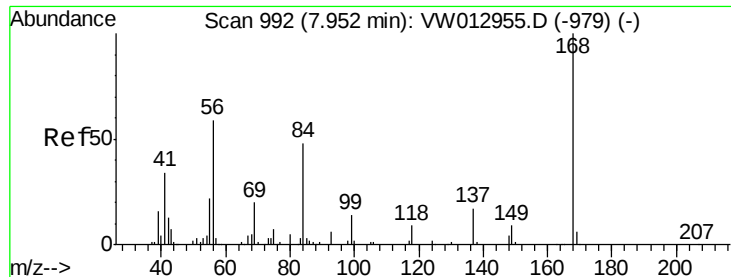
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9/16/2019 11:14:45 AM



#30
Chloroform
Concen: 21.036 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.8	79.2





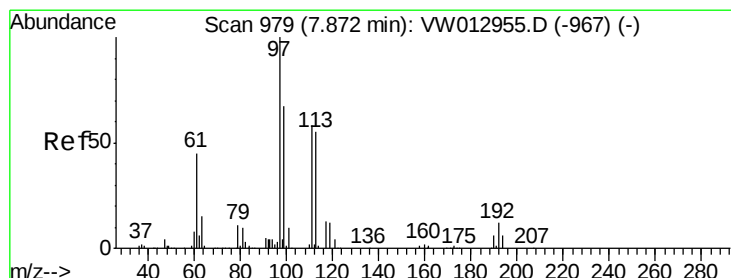
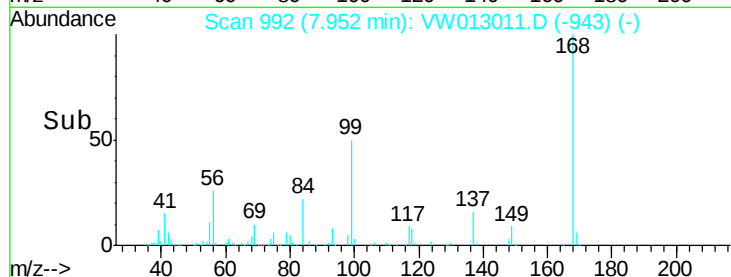
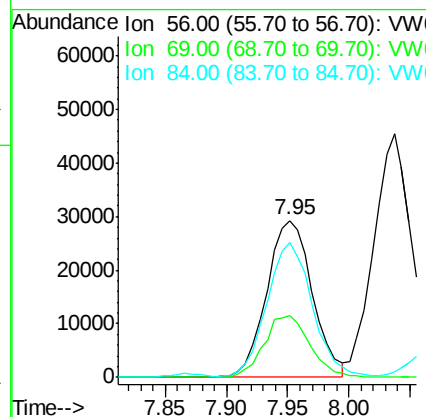
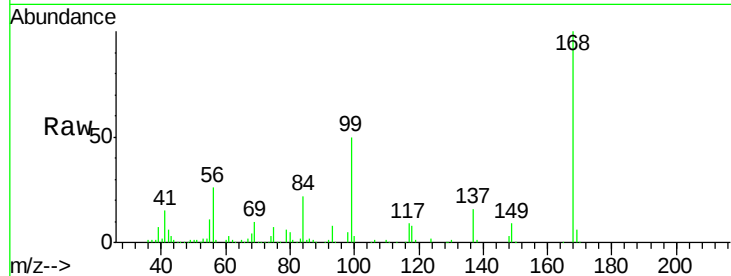
#31
Cyclohexane
Concen: 21.910 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	39.7	27.0	40.6	
84	84.1	66.2	99.2	

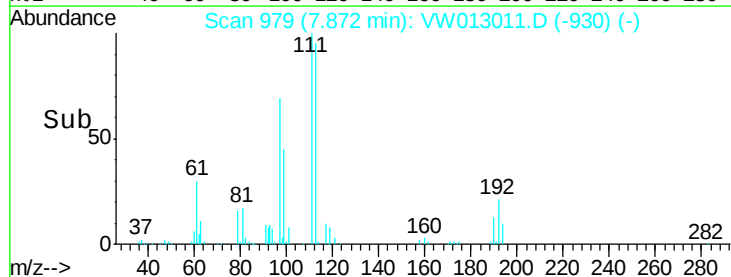
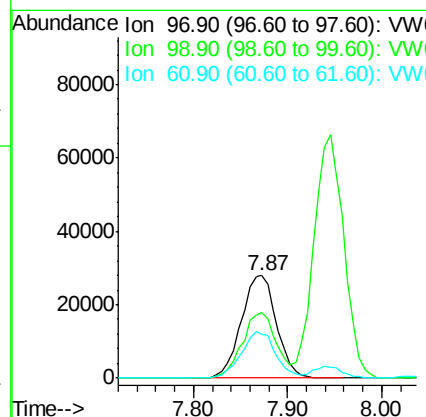
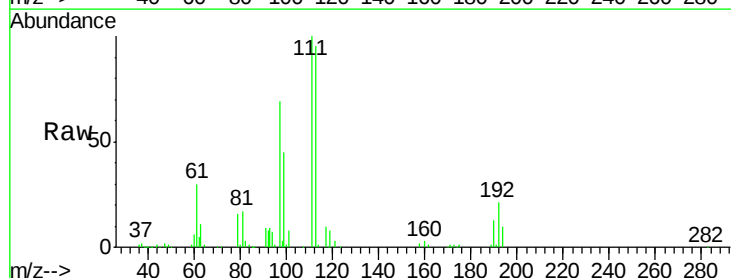
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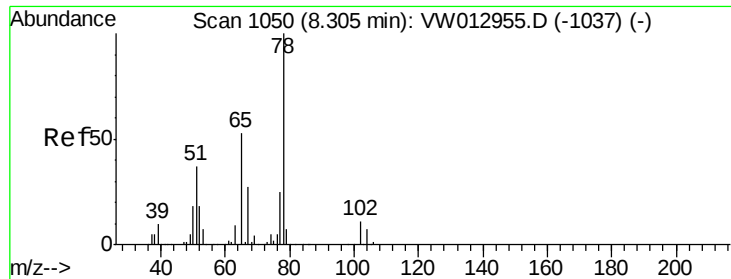
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#32
1,1,1-Trichloroethane
Concen: 20.877 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	61.8	53.0	79.4	
61	44.3	36.5	54.7	





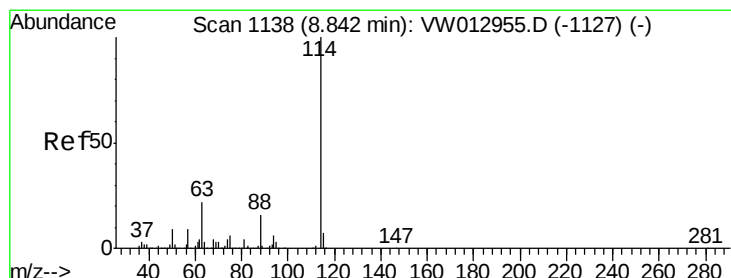
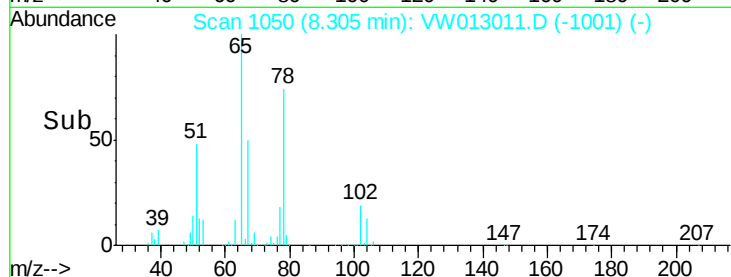
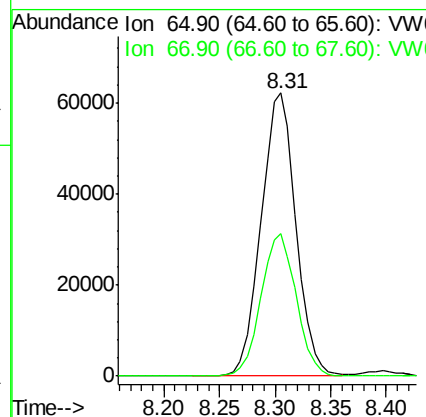
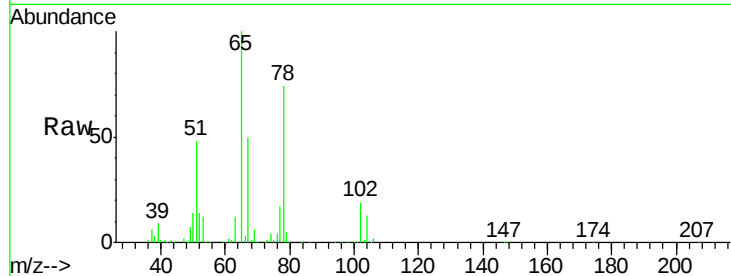
#33
 1,2-Dichloroethane-d4
 Concen: 55.133 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135459		
67	51.0	0.0	101.2	

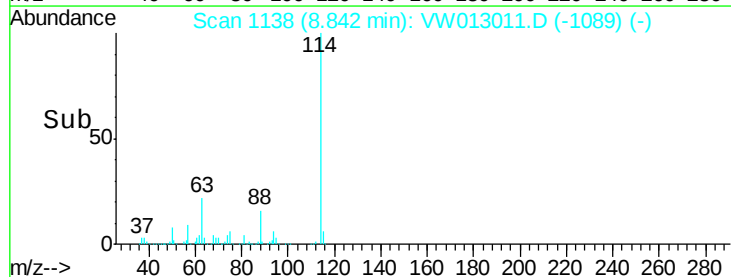
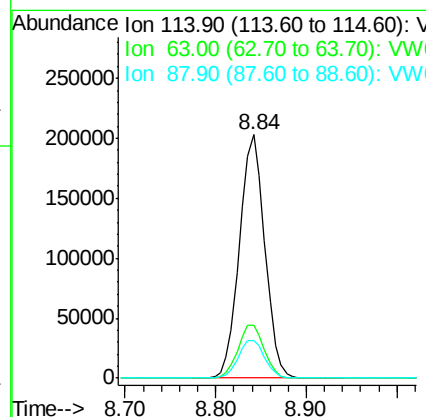
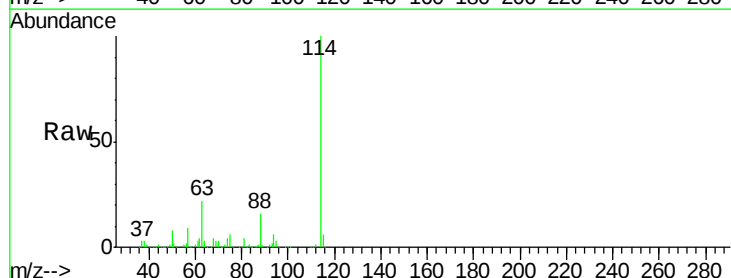
Manual Integrations
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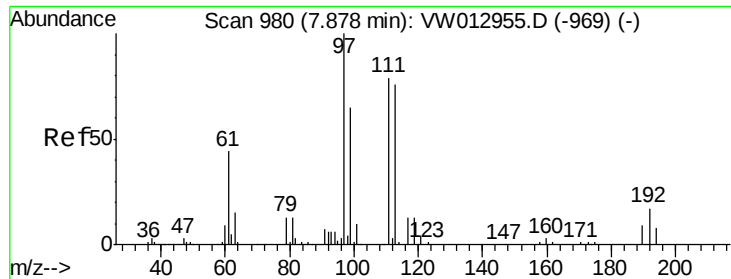
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 9/16/2019 11:14:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	393278		
63	21.6	0.0	43.4	
88	15.6	0.0	31.6	





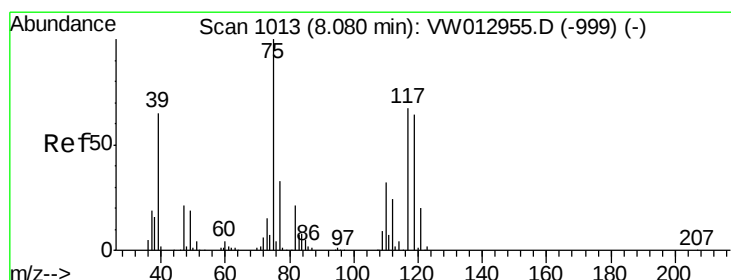
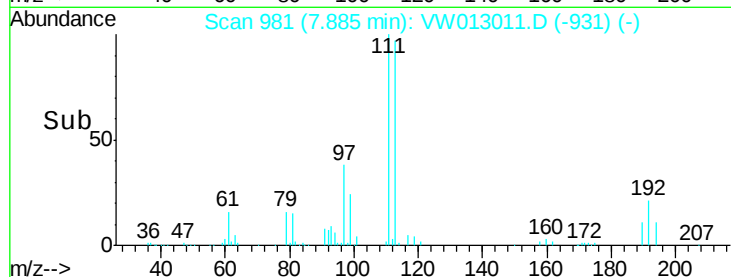
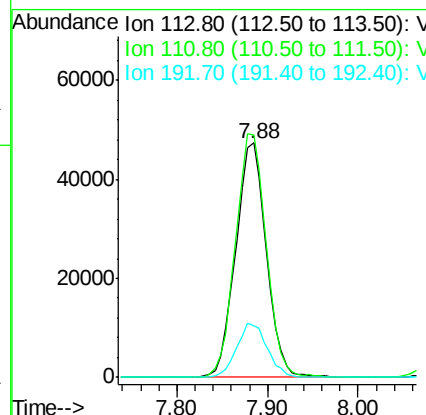
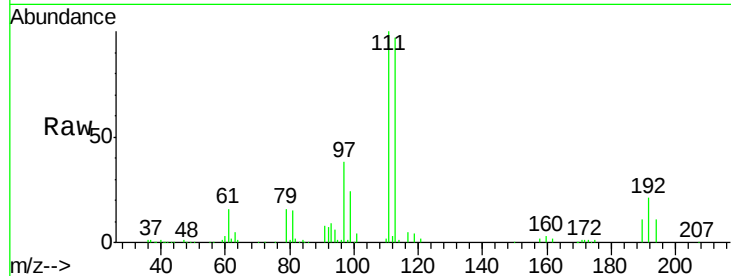
#35
 Dibromofluoromethane
 Concen: 51.949 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110857		
111	104.6	82.8	124.2	
192	23.0	17.8	26.8	

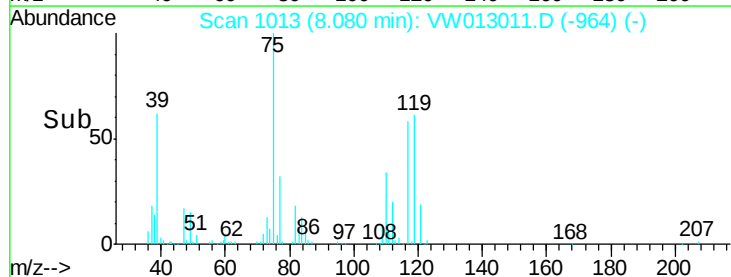
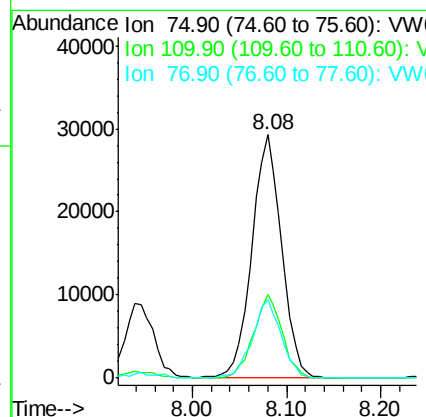
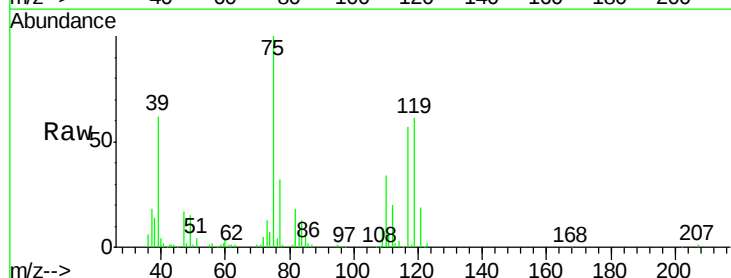
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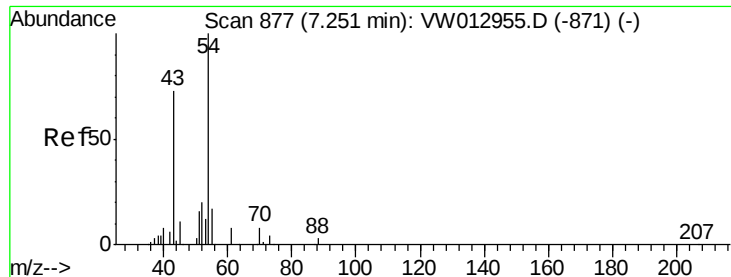
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#36
 1,1-Dichloropropene
 Concen: 20.687 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	65013		
110	33.0	16.4	49.1	
77	31.1	25.1	37.7	





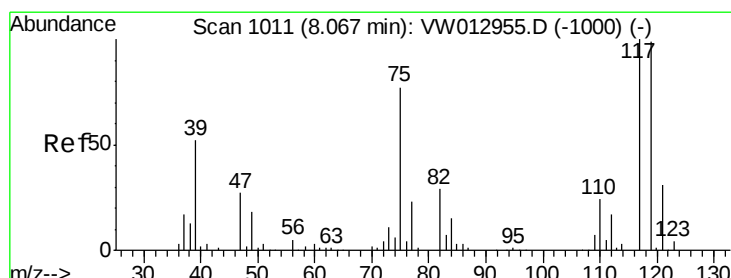
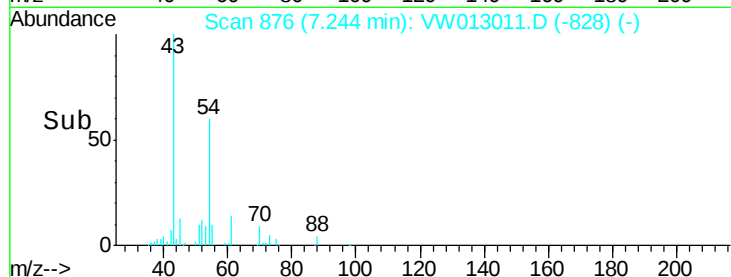
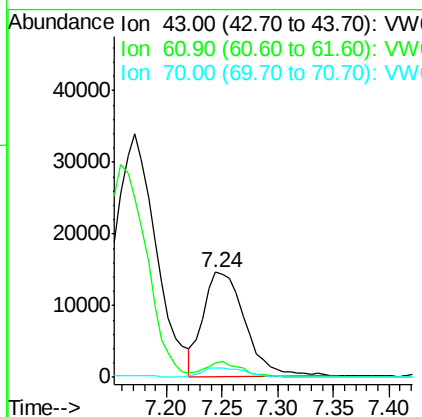
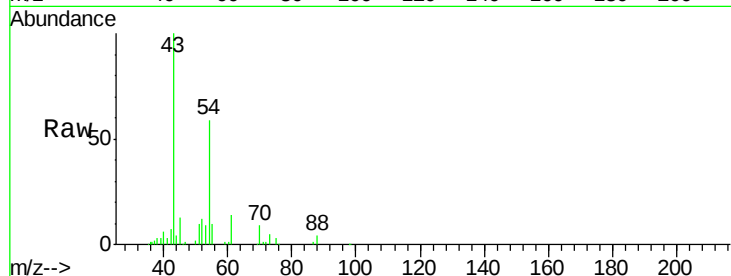
#37
Ethyl Acetate
Concen: 22.959 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.6	14.4
70	10.2	7.6	11.4

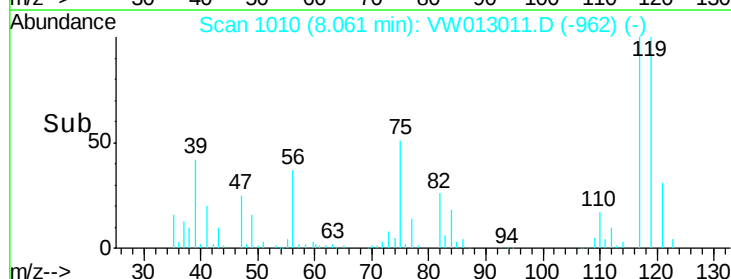
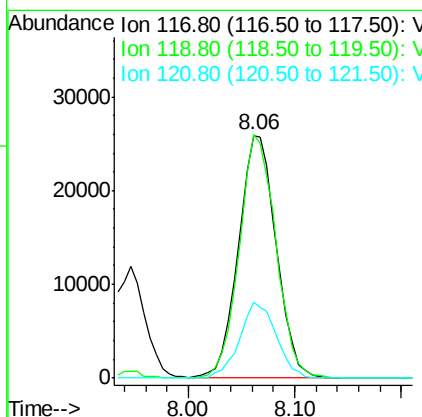
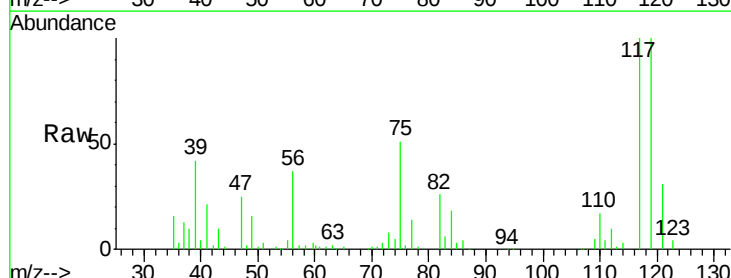
Manual Integrations
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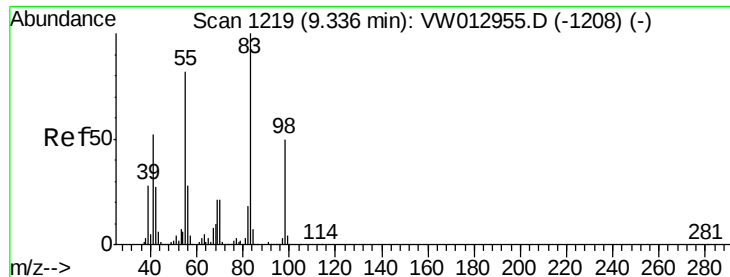
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#38
Carbon Tetrachloride
Concen: 19.993 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	79.4	119.0
121	31.5	24.6	36.8





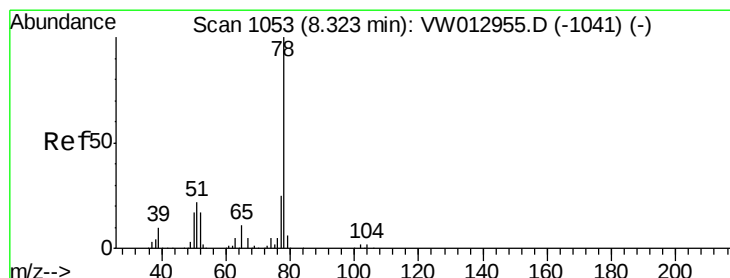
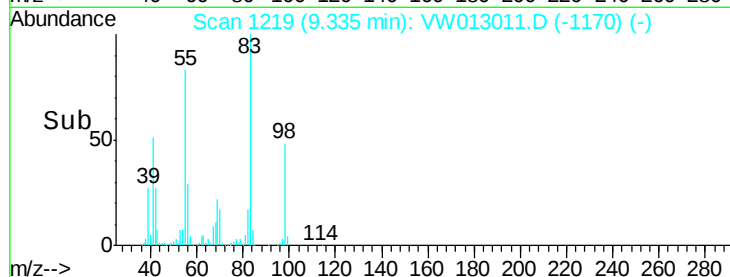
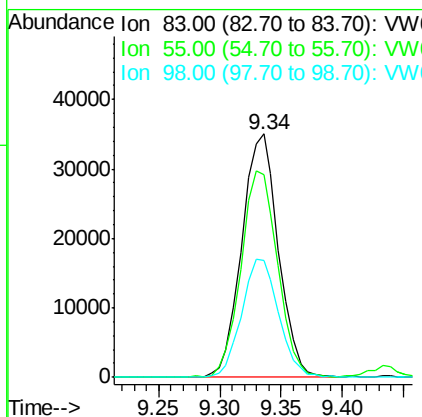
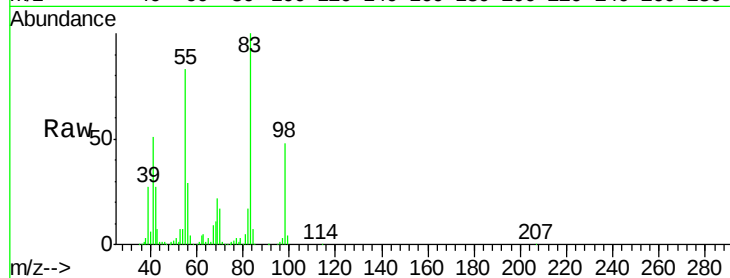
#39
Methvlcvclohexane
Concen: 21.180 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	65.9	98.9
98	48.0	39.6	59.4

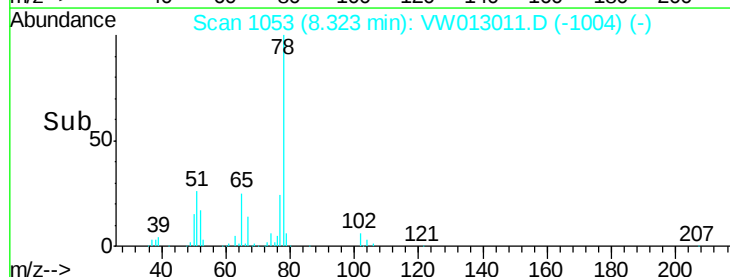
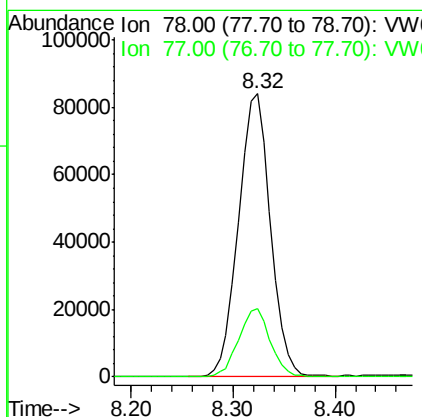
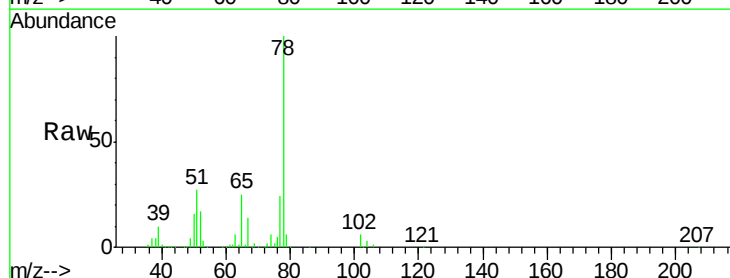
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#40
Benzene
Concen: 20.942 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4





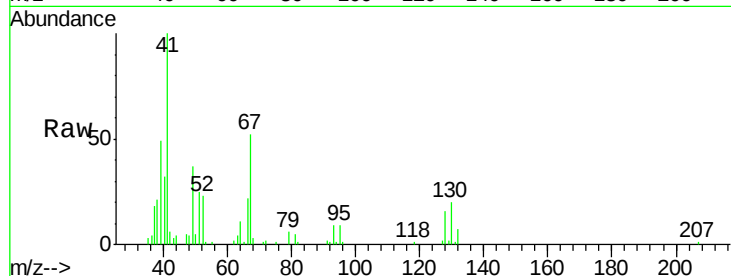
#41
Methacrylonitrile
Concen: 22.577 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

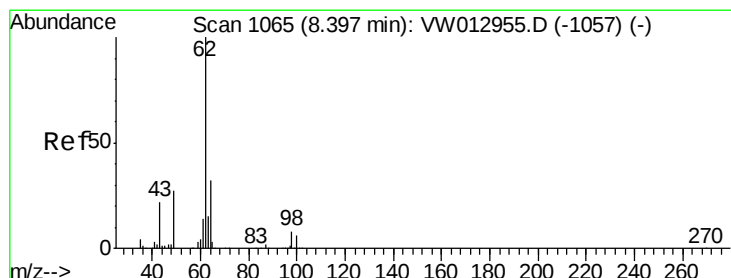
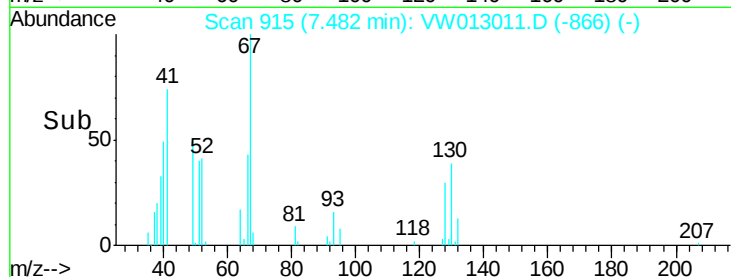
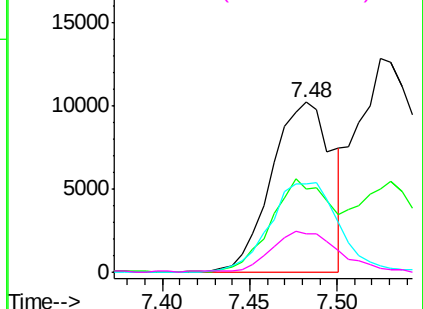
Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	48.2	72.4
67	59.8	47.5	71.3
52	27.2	21.0	31.4

Manual Integrations
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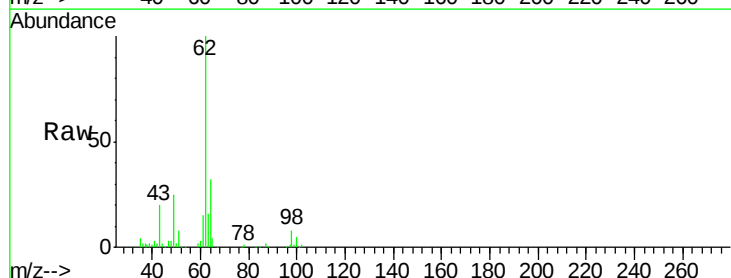


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

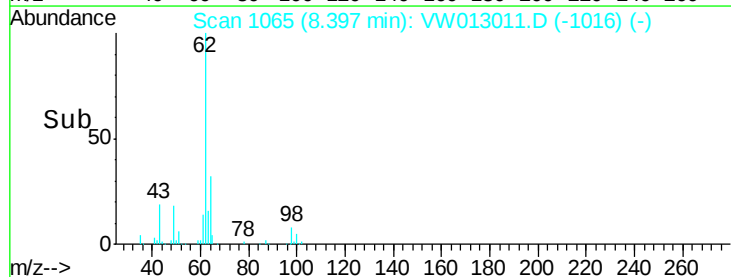
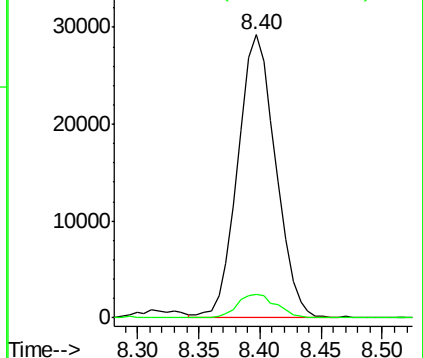


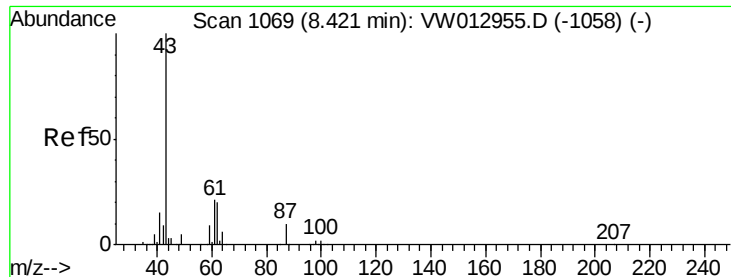
#42
1,2-Dichloroethane
Concen: 21.266 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 23.273 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

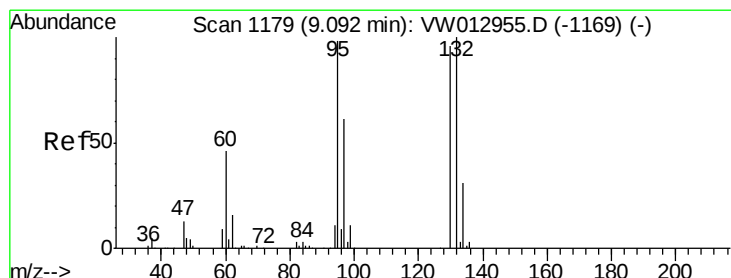
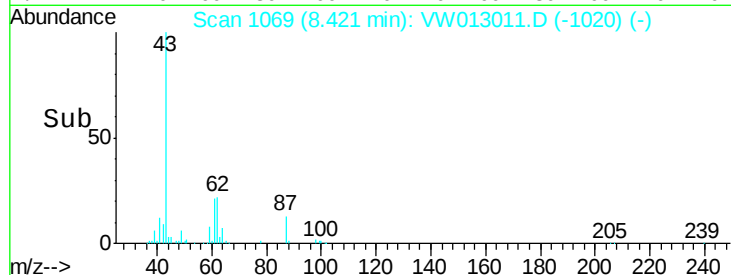
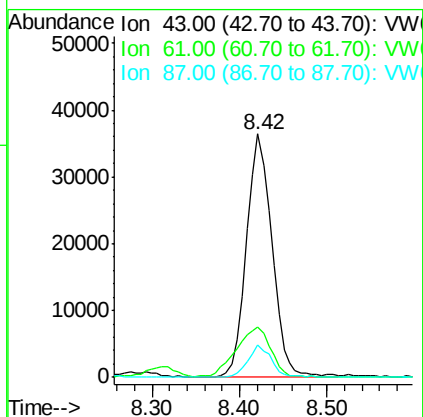
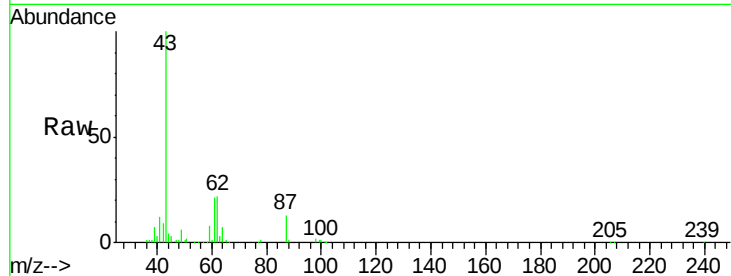
ClientSampleId :

VW0915SBS02

Tot Ion:	43	Resp:	74539
Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.7	34.1
87	11.9	9.4	14.2

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#44

Trichloroethene

Concen: 21.098 ug/l

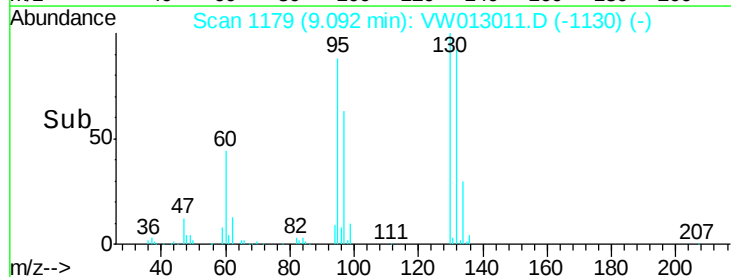
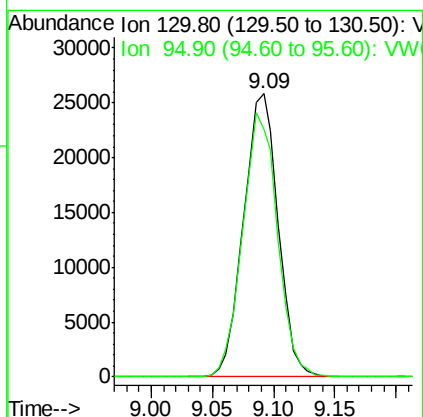
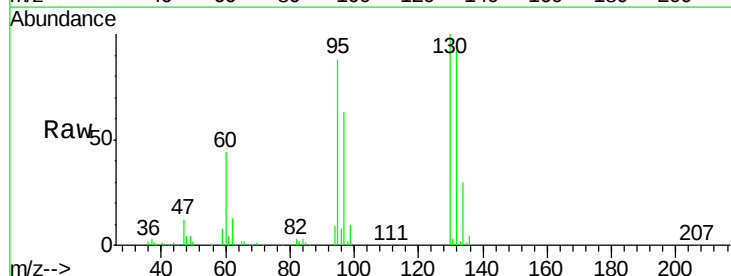
RT: 9.09 min Scan# 1179

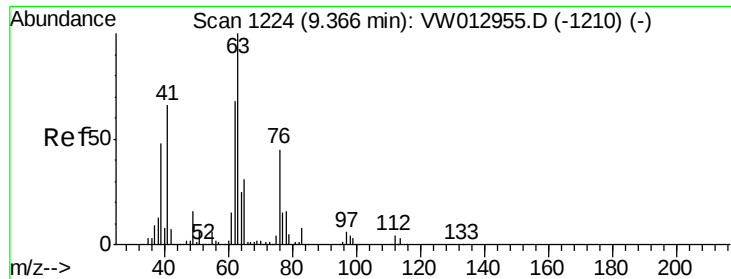
Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	130	Resp:	50699
Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	204.4





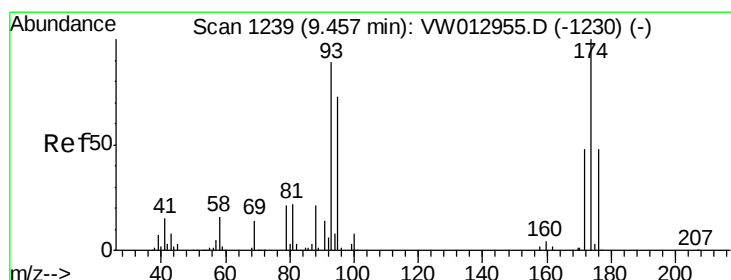
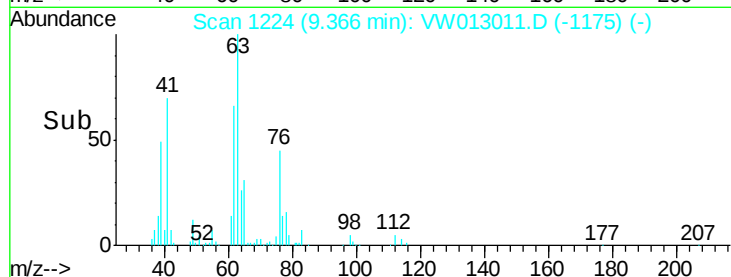
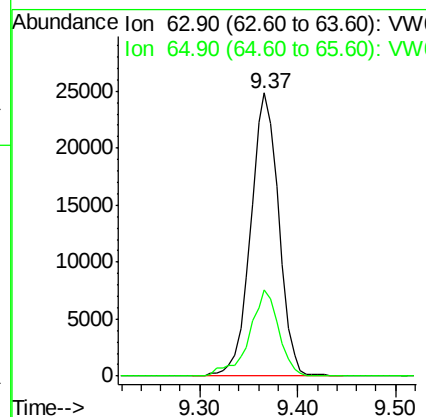
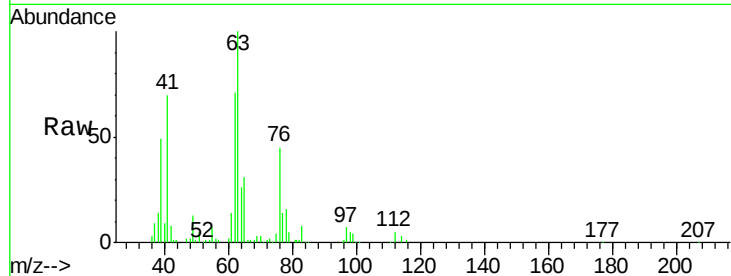
#45
 1,2-Dichloropropane
 Concen: 21.132 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.6	37.0

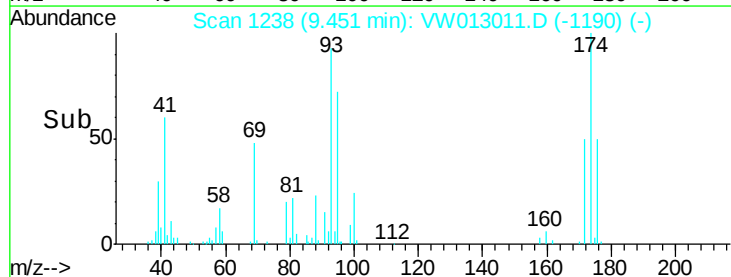
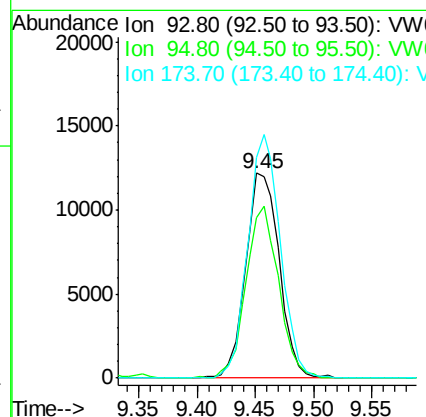
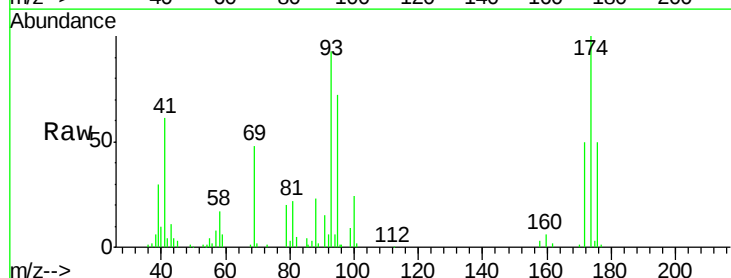
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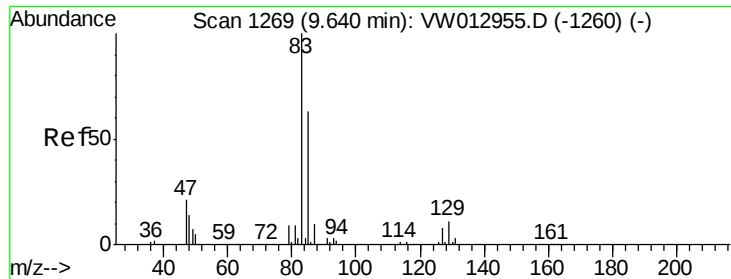
MMDadoda
 9/16/2019 11:14:45 AM



#46
 Dibromomethane
 Concen: 22.035 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	67.0	100.4
174	114.7	90.5	135.7





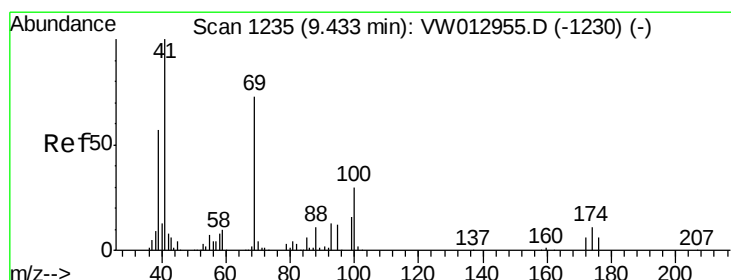
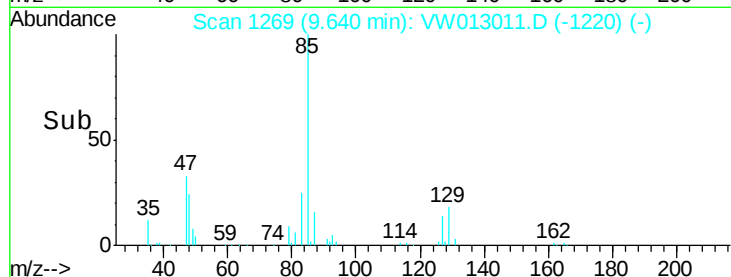
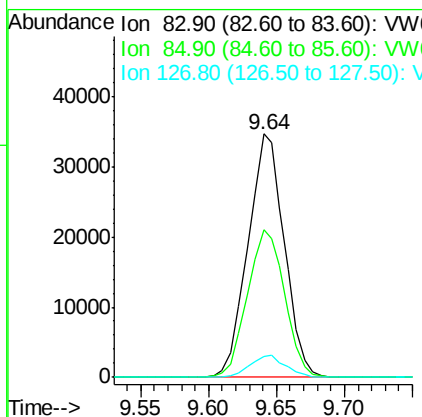
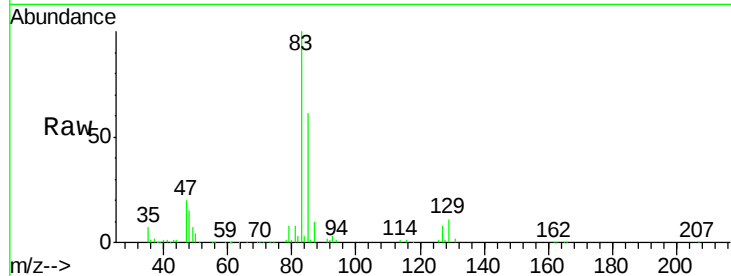
#47
Bromodichloromethane
Concen: 20.732 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	83	Resp	64941
Ion Ratio	100	Lower	Upper
85	60.9	50.6	75.8
127	8.4	6.7	10.1

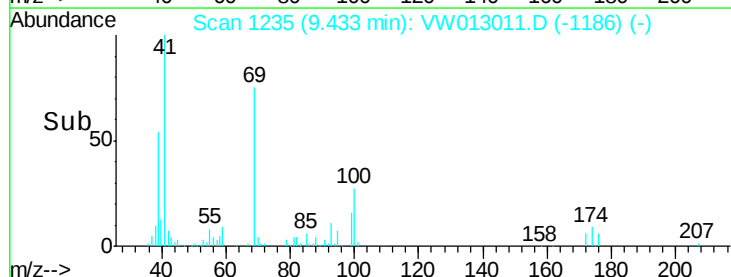
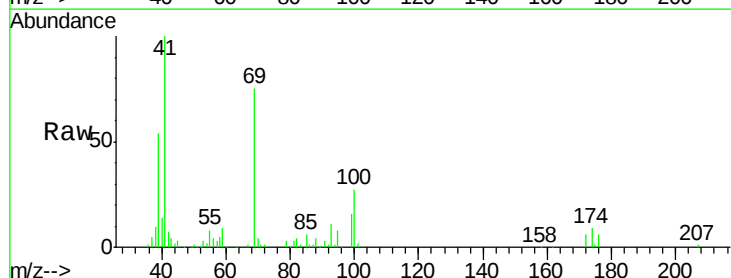
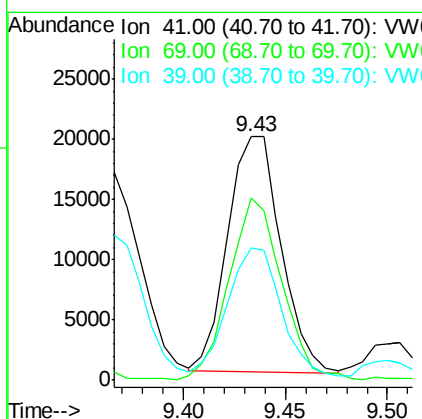
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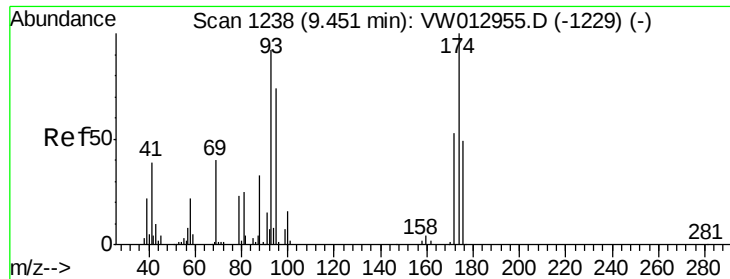
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9/16/2019 11:14:45 AM



#48
Methyl methacrylate
Concen: 23.549 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	41	Resp	35396
Ion Ratio	100	Lower	Upper
69	77.2	62.8	94.2
39	58.9	48.5	72.7





#49

1,4-Dioxane

Concen: 474.235 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

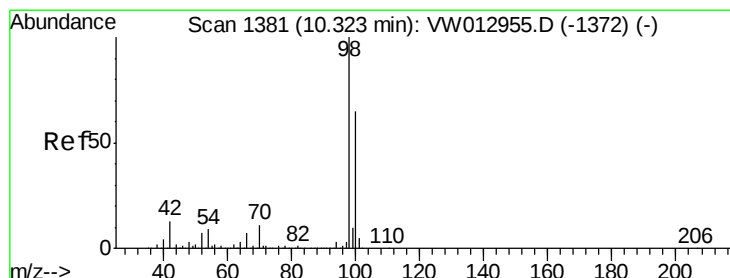
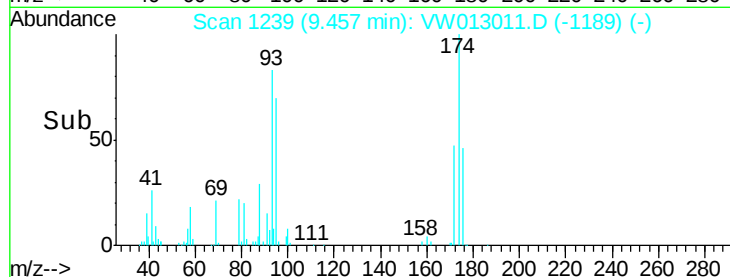
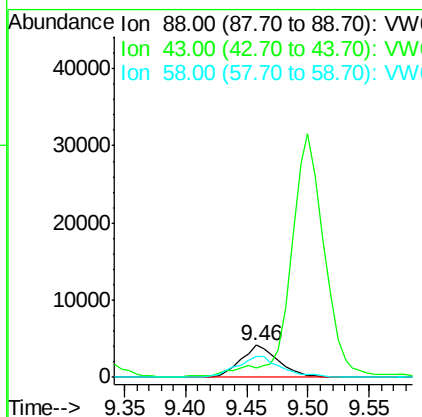
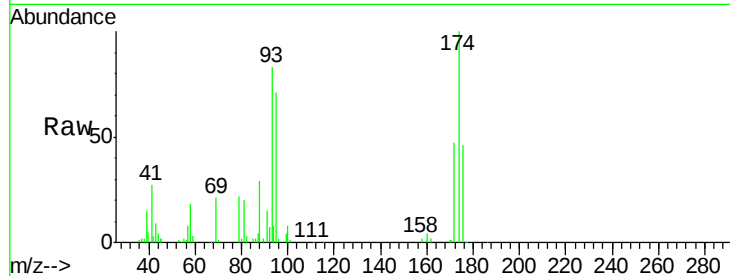
ClientSampleId :

VW0915SBS02

Tot Ion:	88	Resp:	8874
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	77.2	60.2	90.2

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#50

Toluene-d8

Concen: 55.500 ug/l

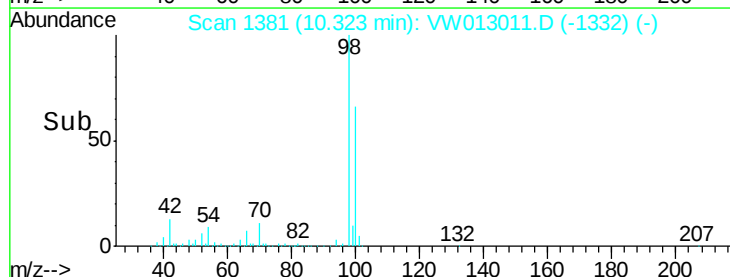
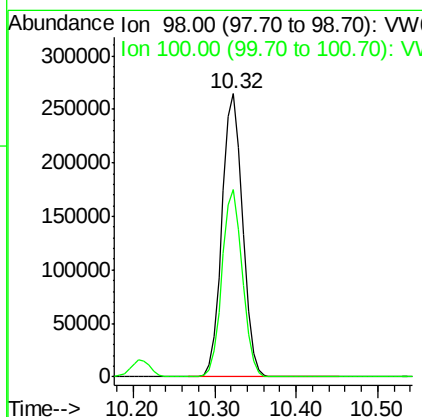
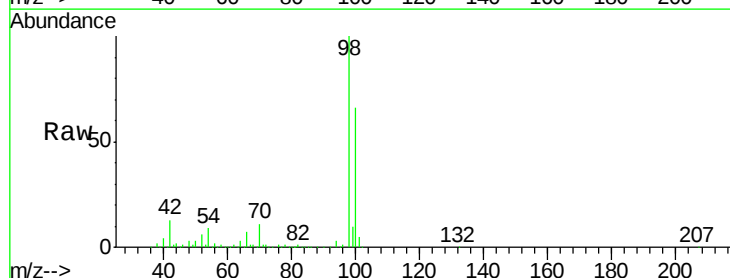
RT: 10.32 min Scan# 1381

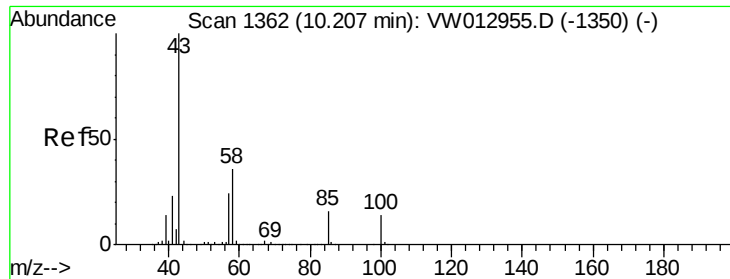
Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	98	Resp:	463453
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 124.014 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 43 Resp: 205059

Ion Ratio Lower Upper

43 100

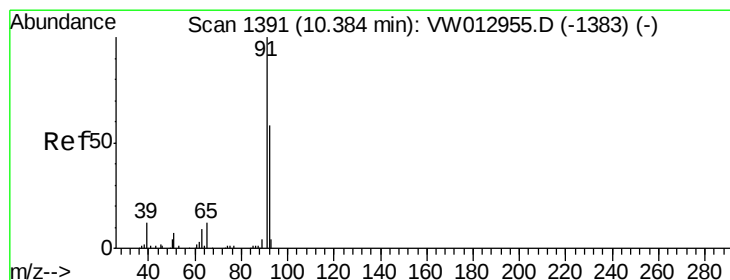
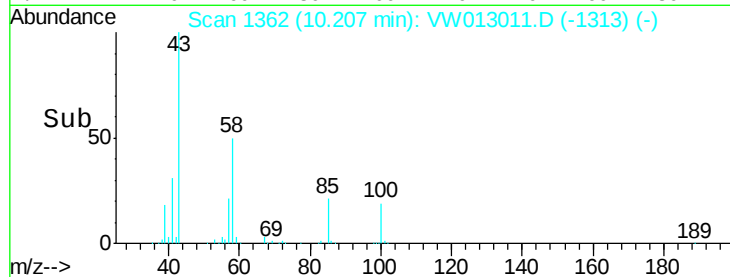
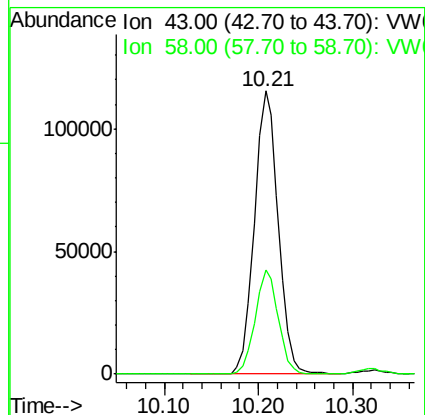
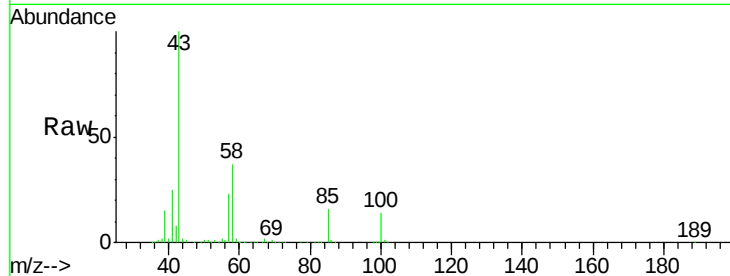
58 35.9 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 21.833 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013011.D

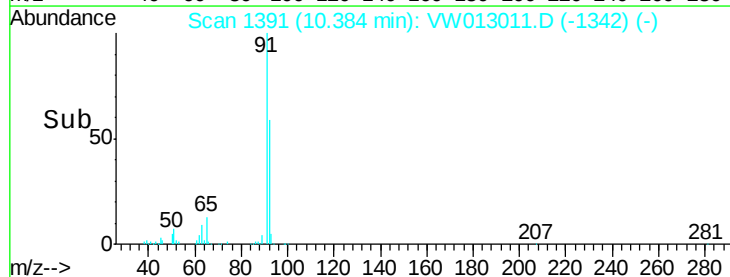
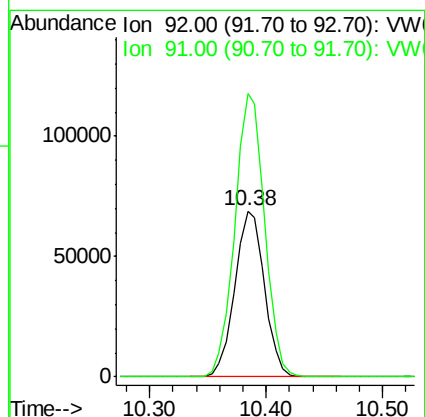
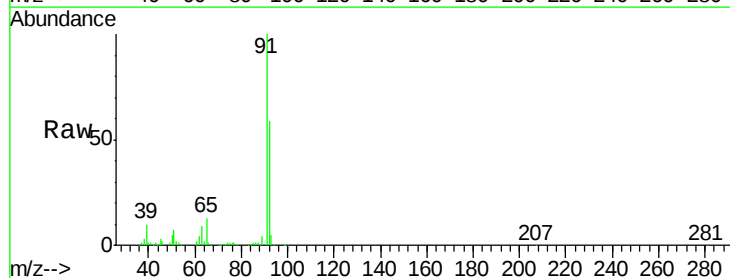
Acq: 15 Sep 2019 00:33

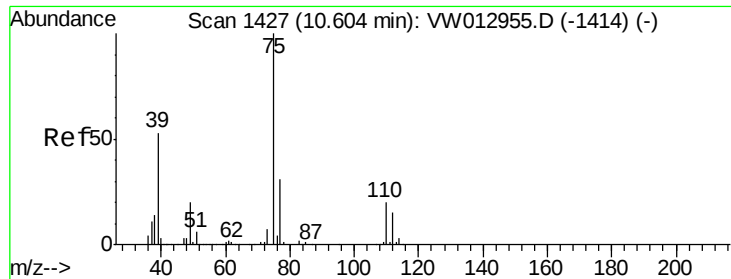
Tgt Ion: 92 Resp: 121715

Ion Ratio Lower Upper

92 100

91 171.9 137.5 206.3





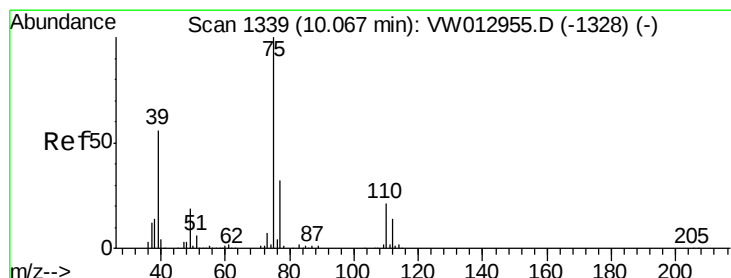
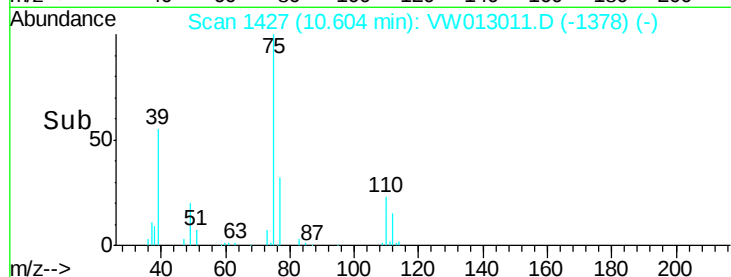
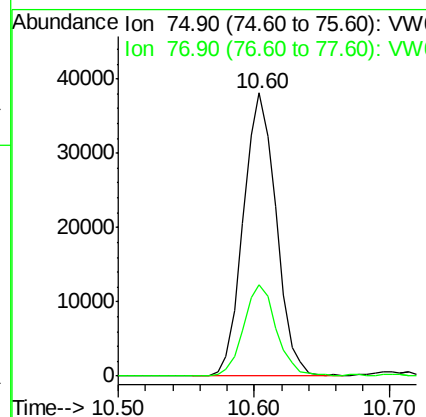
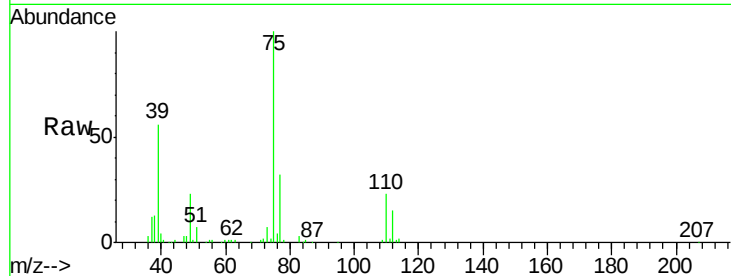
#53
t-1,3-Dichloropropene
Concen: 20.461 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion: 75 Resp: 64458
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0

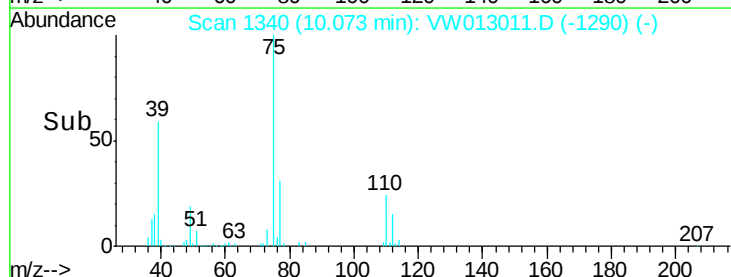
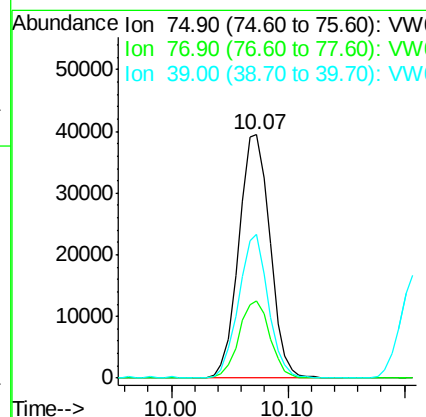
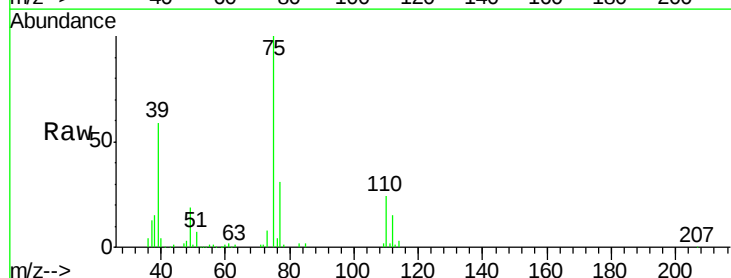
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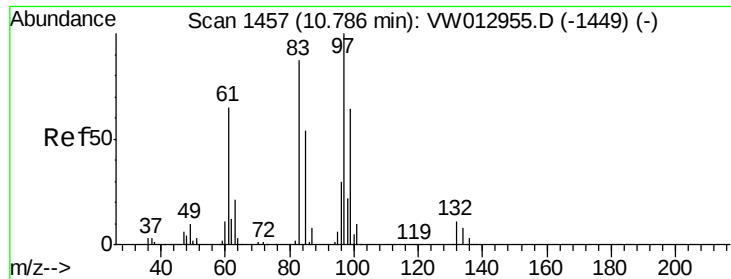
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.548 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 75 Resp: 74066
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3
39 59.3 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 22.608 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

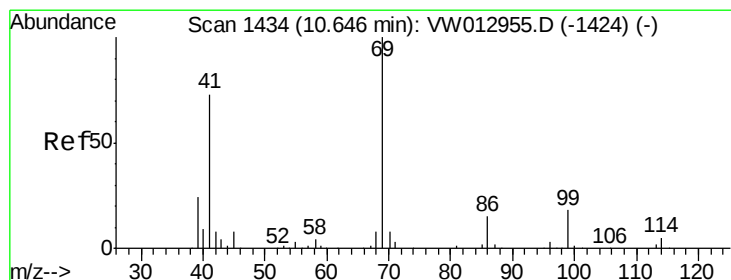
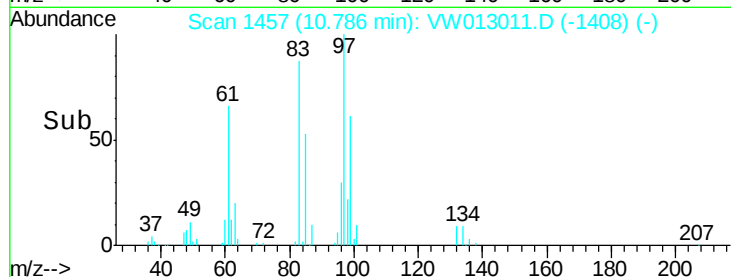
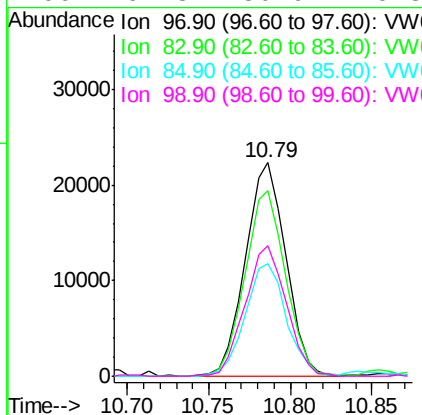
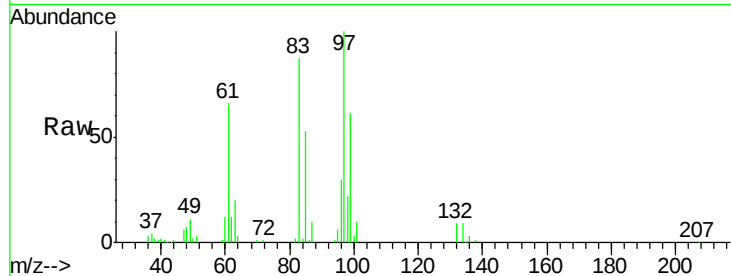
ClientSampleId :

VW0915SBS02

Tot Ion:	97	Resp:	38461
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.4	104.0
85	52.9	43.3	64.9
99	61.3	50.9	76.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.873 ug/l

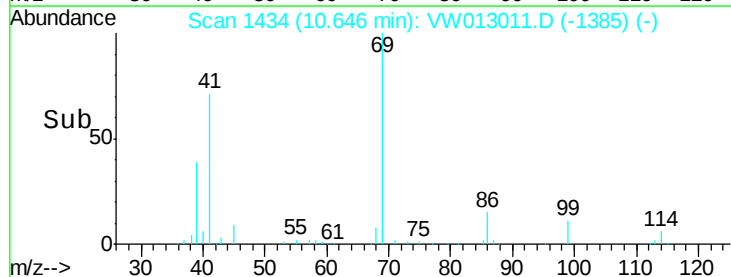
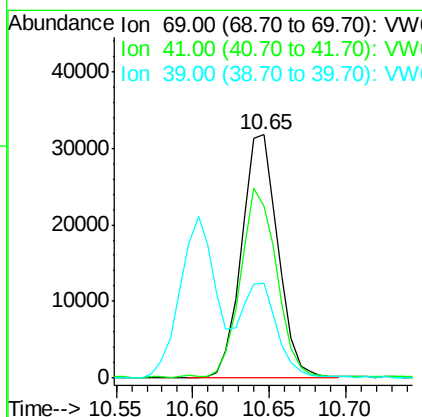
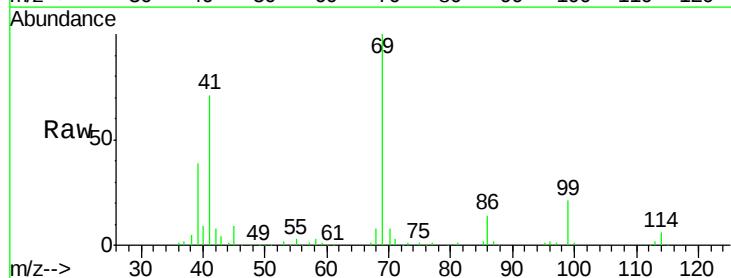
RT: 10.65 min Scan# 1434

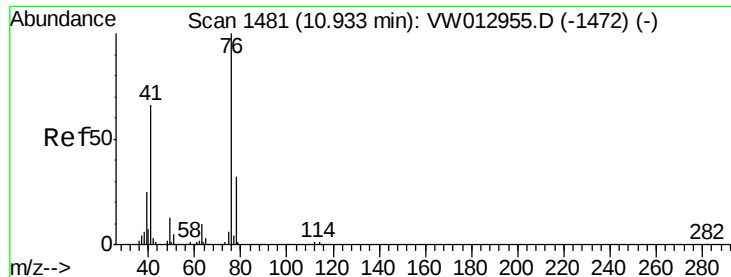
Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	69	Resp:	52376
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	34.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 22.618 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 76 Resp: 68257

Ion Ratio Lower Upper

76 100

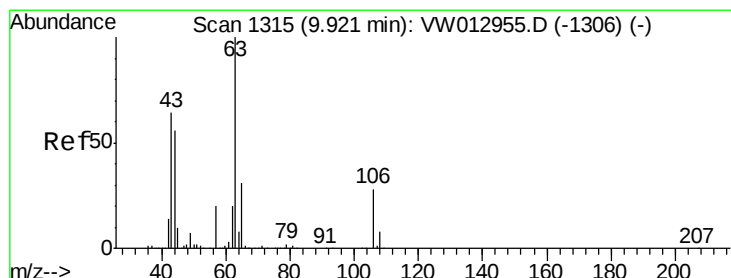
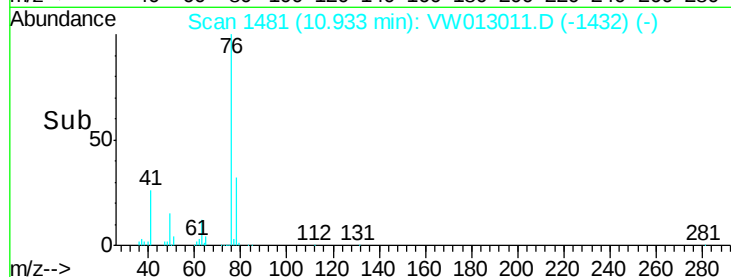
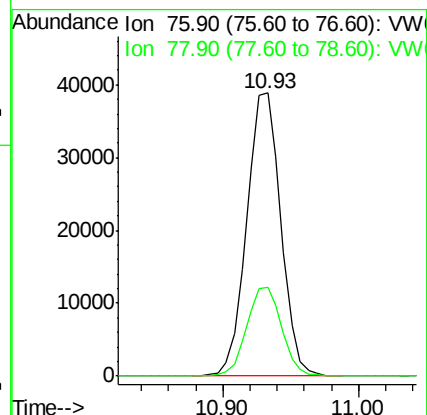
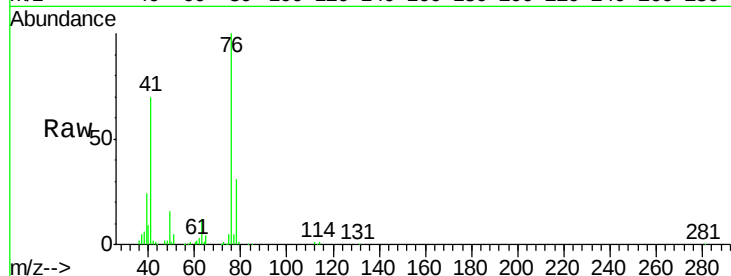
78 32.4 25.6 38.4

Manual Integrations

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9/16/2019 11:14:45 AM



#58

2-Chloroethyl Vinyl ether

Concen: 110.923 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013011.D

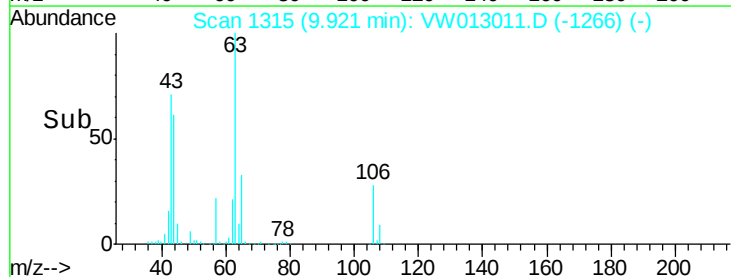
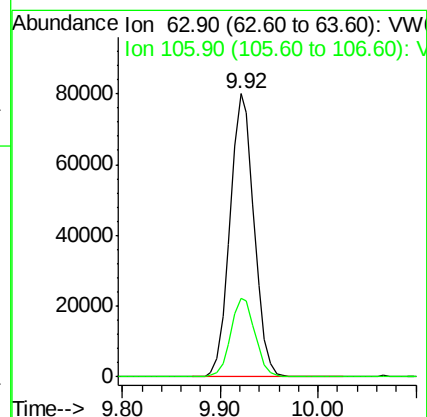
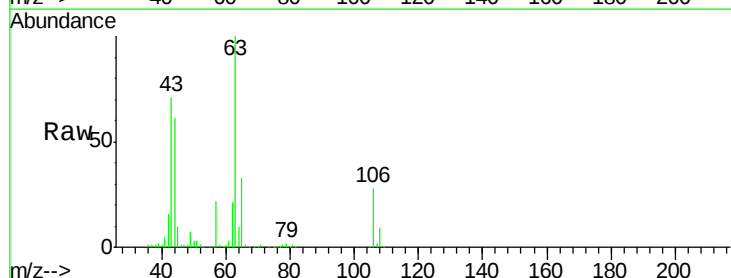
Acq: 15 Sep 2019 00:33

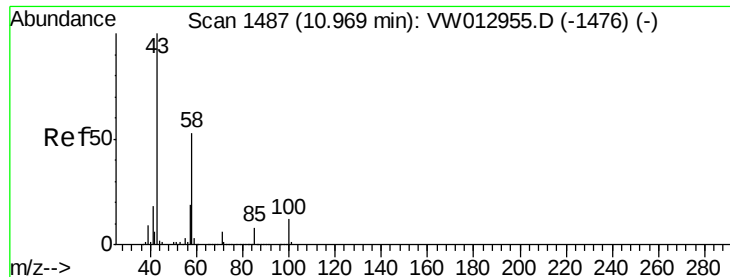
Tgt Ion: 63 Resp: 136254

Ion Ratio Lower Upper

63 100

106 28.0 22.2 33.2





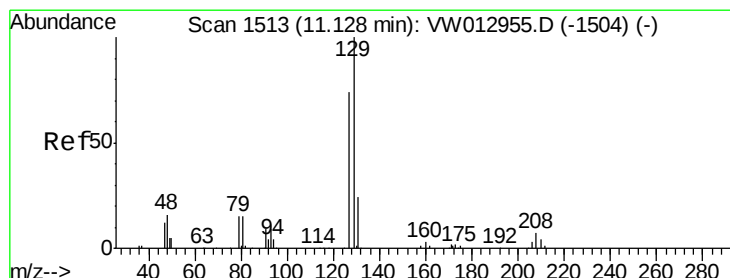
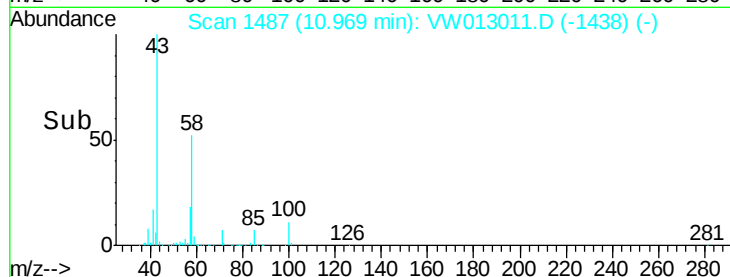
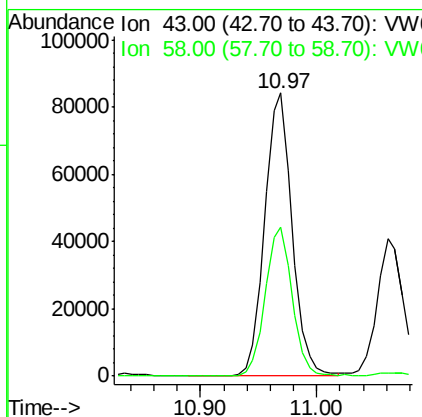
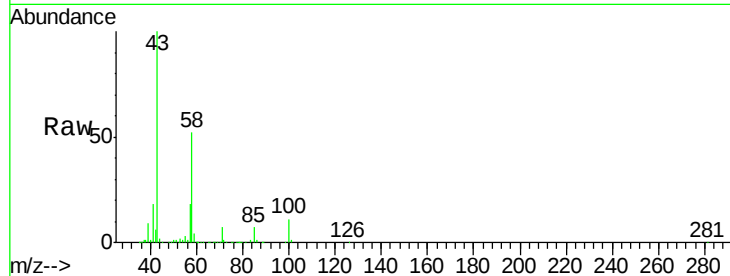
#59
2-Hexanone
Concen: 119.889 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion: 43 Resp: 138035
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3

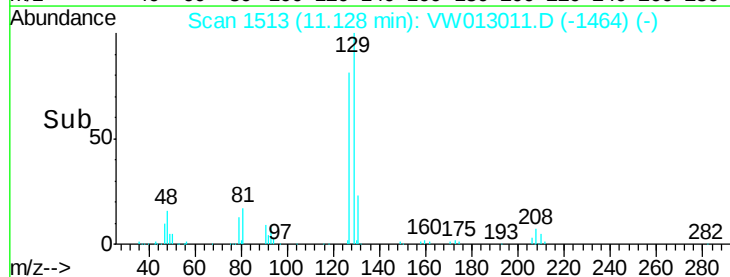
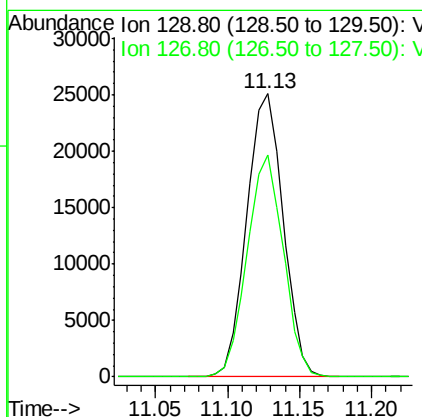
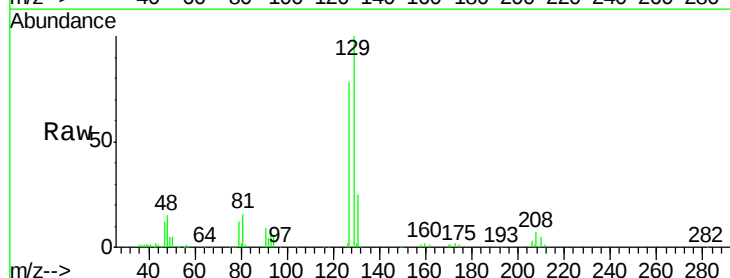
Manual Integrations
APPROVED

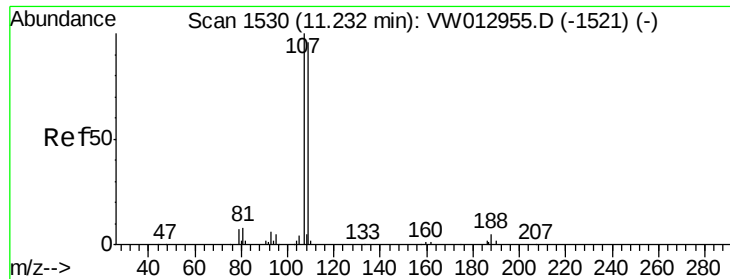
MMDadoda
9/16/2019 11:14:45 AM



#60
Dibromochloromethane
Concen: 21.364 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion: 129 Resp: 43941
Ion Ratio Lower Upper
129 100
127 78.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 23.181 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 107 Resp: 35975

Ion Ratio Lower Upper

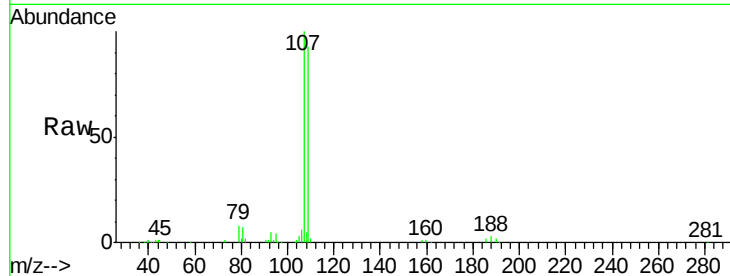
107 100

109 94.9 75.0 112.6

Manual Integrations
APPROVED

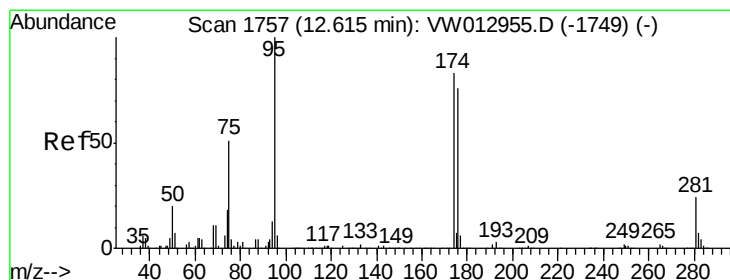
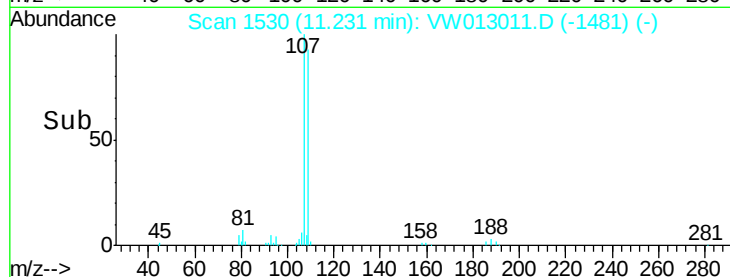
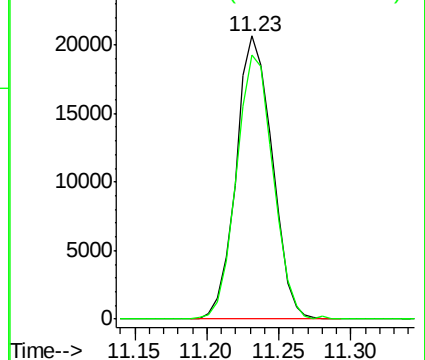
MMDadoda

9/16/2019 11:14:45 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.631 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

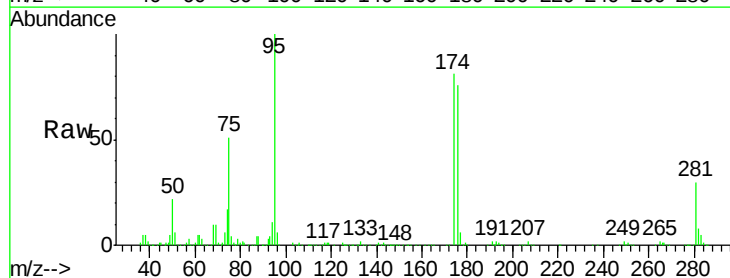
Tgt Ion: 95 Resp: 170043

Ion Ratio Lower Upper

95 100

174 83.0 0.0 170.4

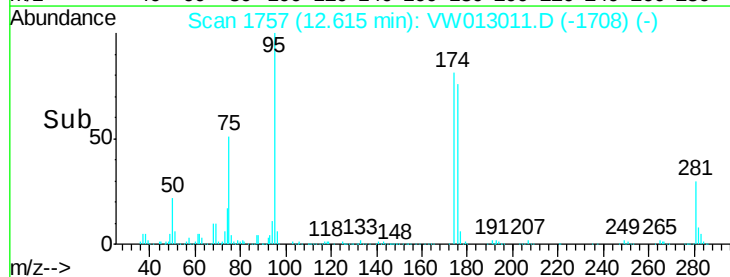
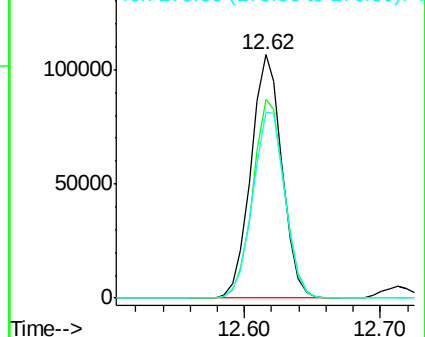
176 79.8 0.0 164.6

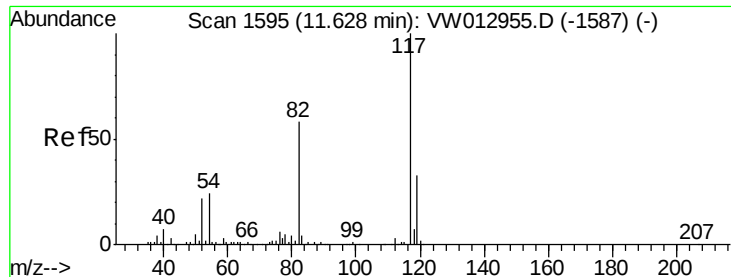


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





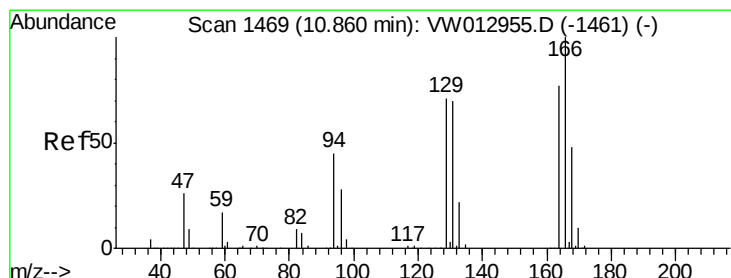
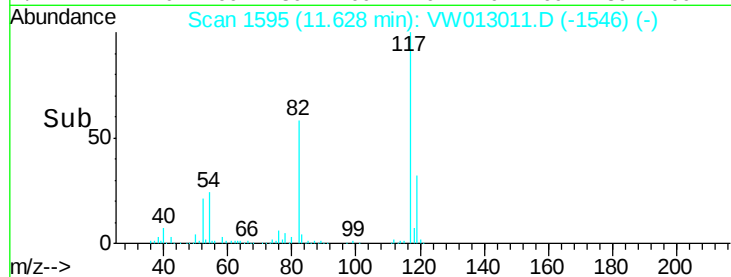
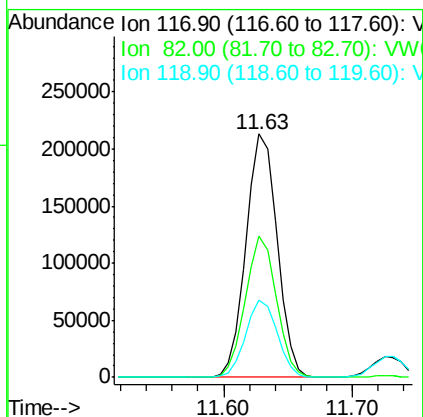
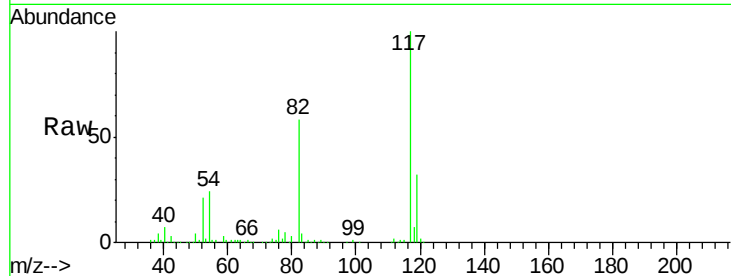
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	356594		
82	57.8	46.3	69.5	
119	32.0	26.2	39.4	

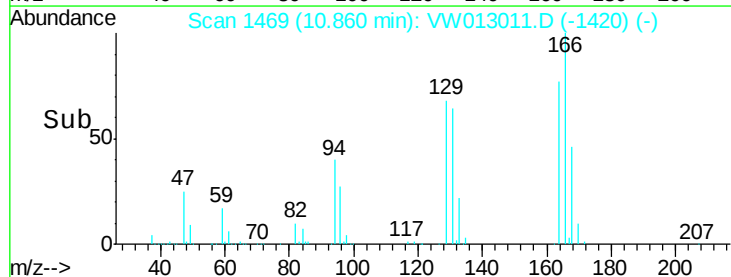
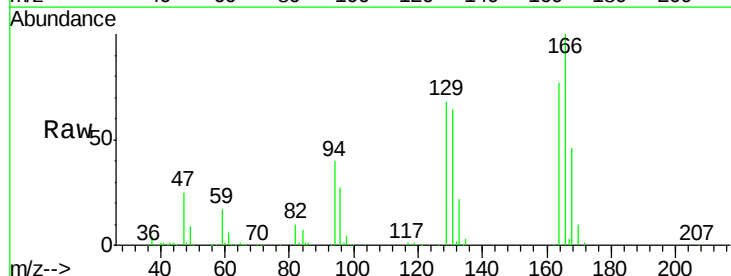
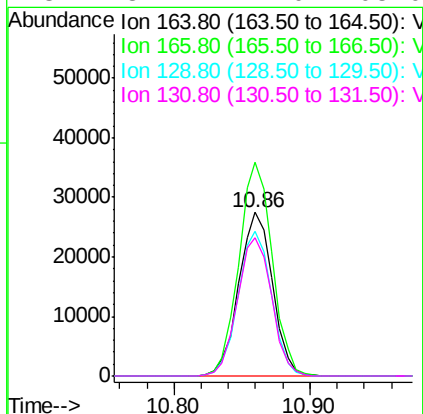
Manual Integrations
APPROVED

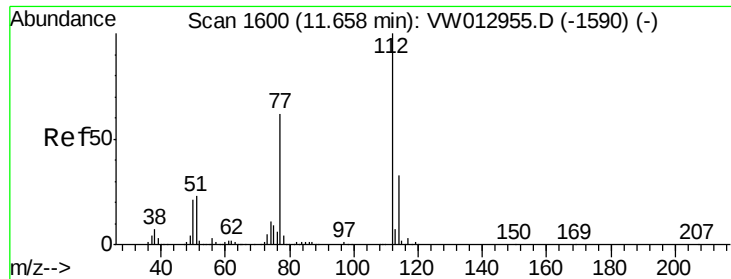
MMDadoda
9/16/2019 11:14:45 AM



#64
Tetrachloroethene
Concen: 22.394 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47507		
166	130.6	103.3	154.9	
129	88.3	73.8	110.8	
131	84.2	72.0	108.0	





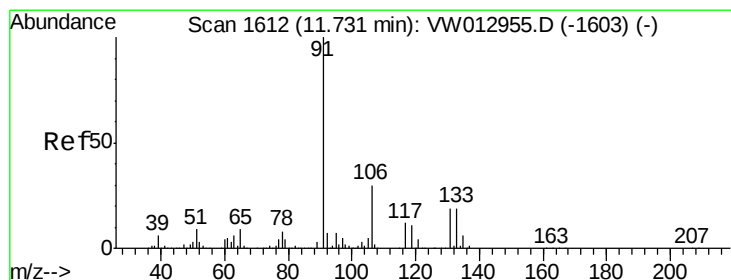
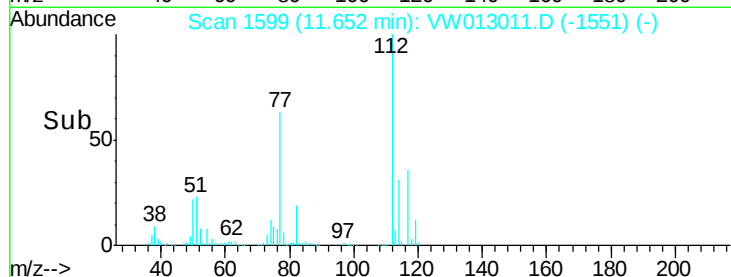
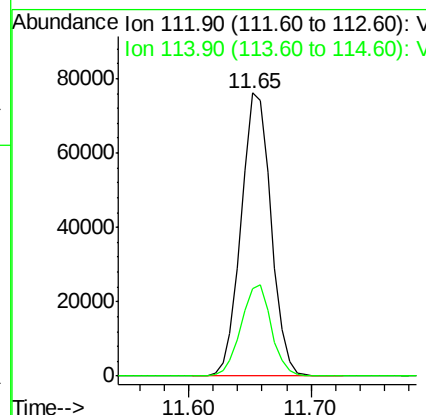
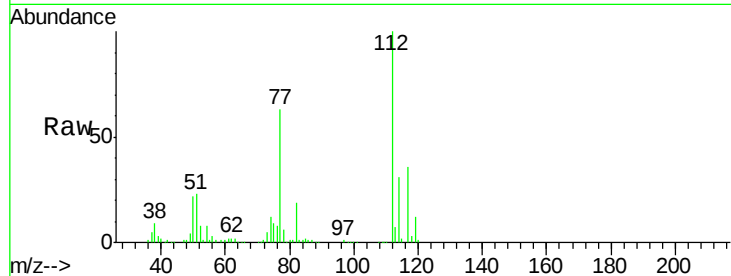
#65
Chlorobenzene
Concen: 20.274 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.4	39.6

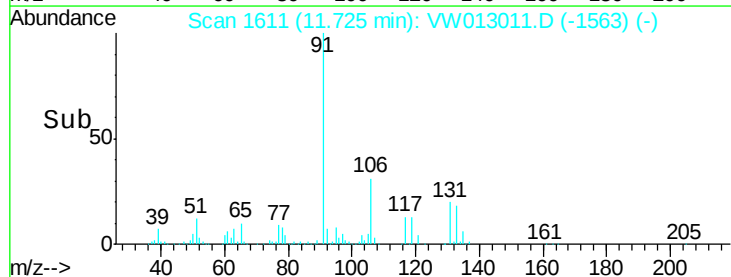
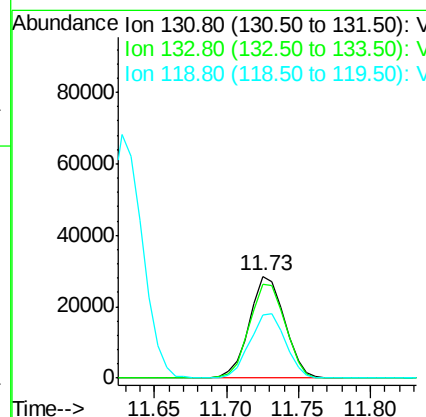
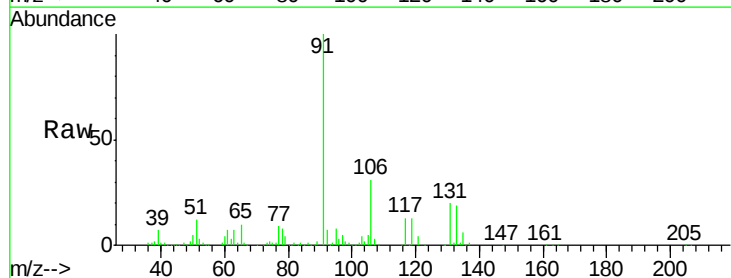
Manual Integrations
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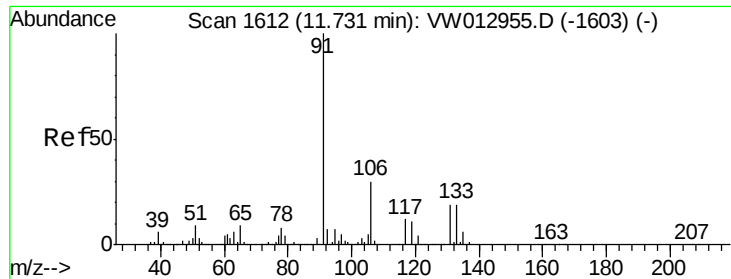
MMDadoda
9/16/2019 11:14:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.868 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.9	143.8
119	64.6	30.9	92.7





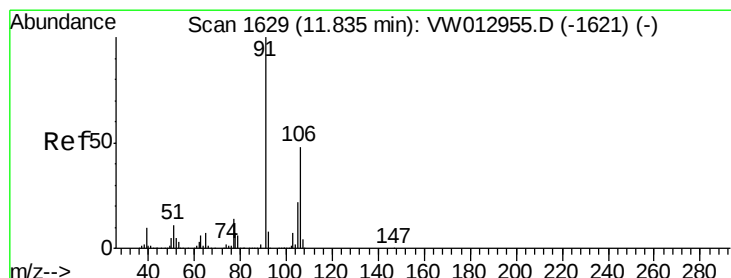
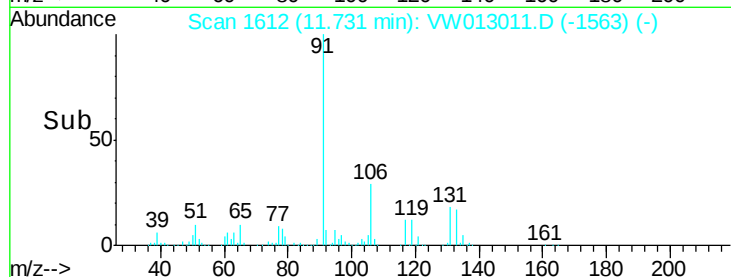
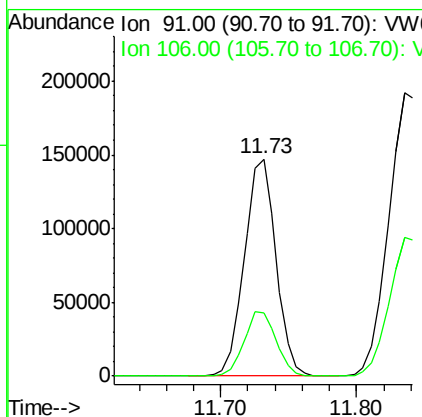
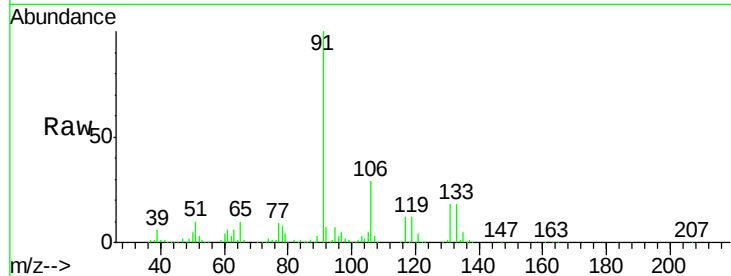
#67
Ethyl Benzene
Concen: 20.376 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.3	36.5

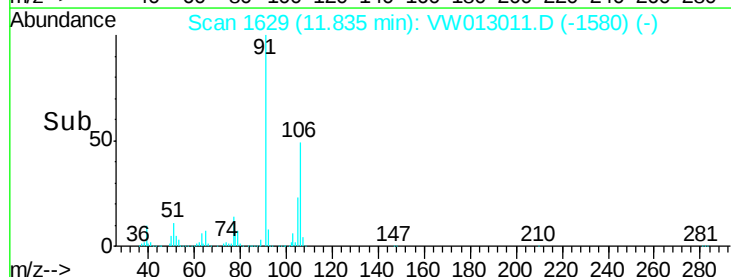
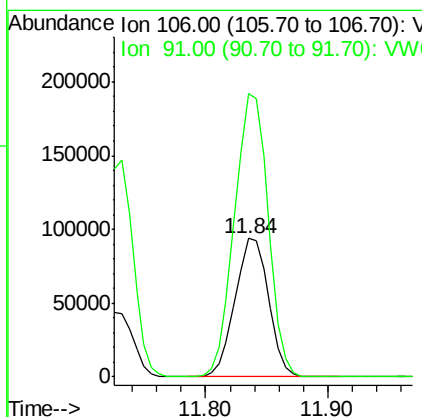
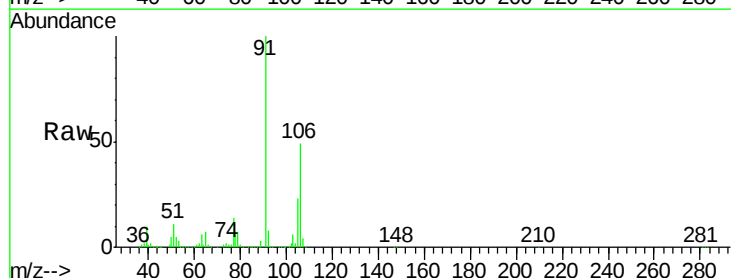
Manual Integrations
APPROVED

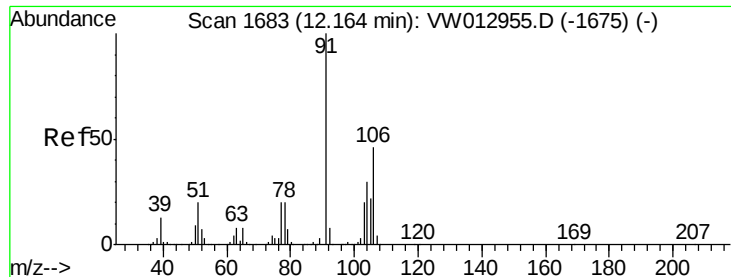
MMDadoda
9/16/2019 11:14:45 AM



#68
m/p-Xylenes
Concen: 41.657 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.1	165.8	248.8





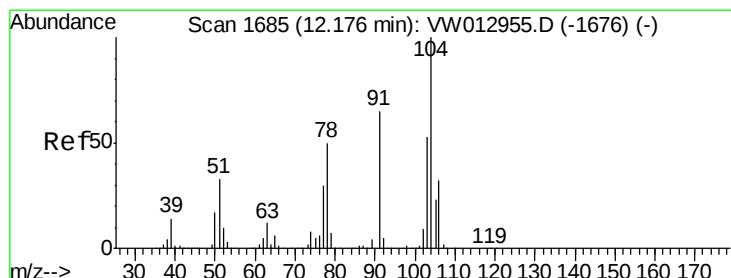
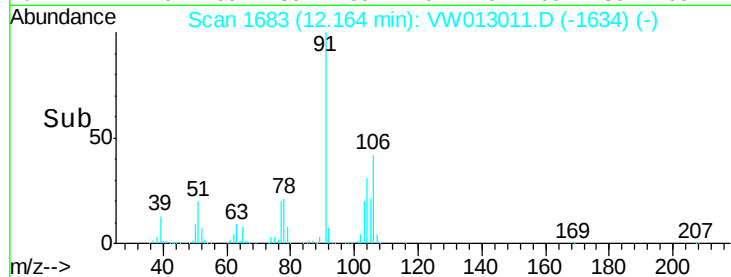
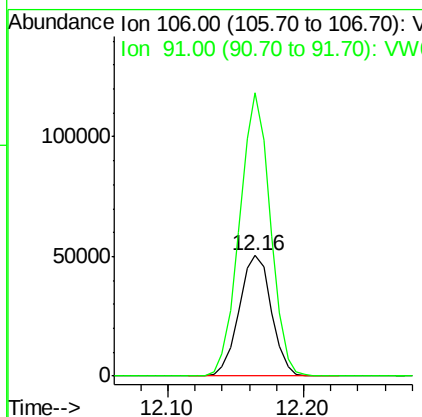
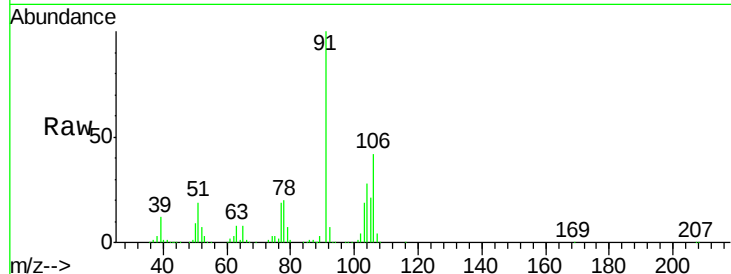
#69
o-Xylene
Concen: 20.824 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	83665		
91	91	223.4	109.7	329.0	

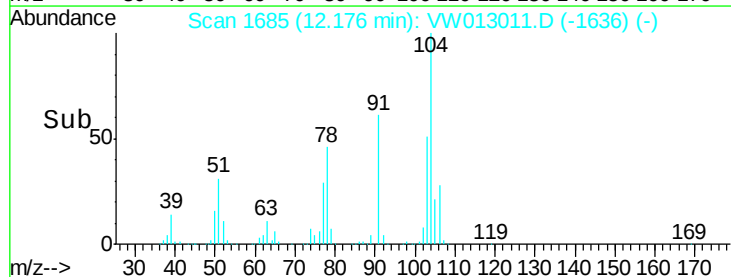
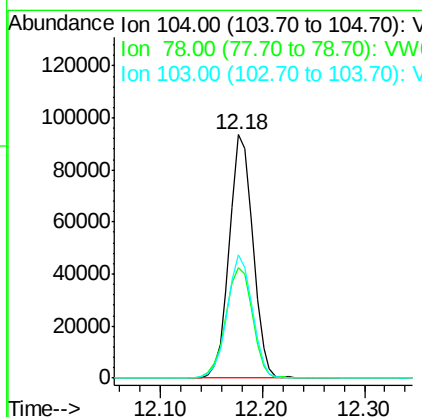
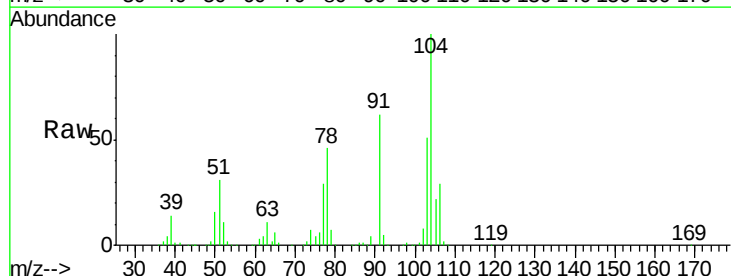
Manual Integrations
APPROVED

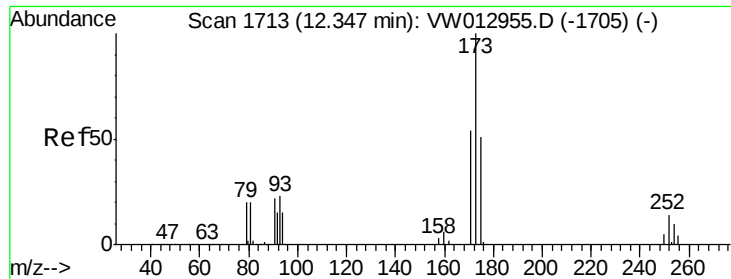
MMDadoda
9/16/2019 11:14:45 AM



#70
Styrene
Concen: 20.915 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	149480		
78	78	51.5	42.1	63.1	
103	103	53.7	44.2	66.4	





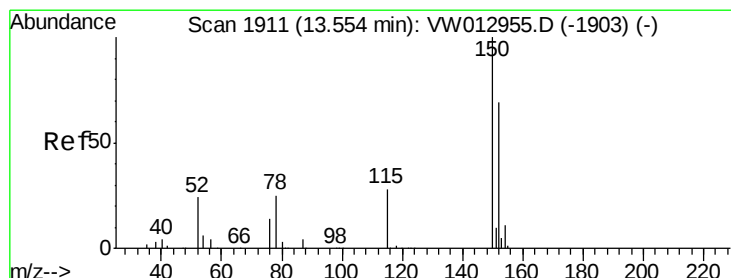
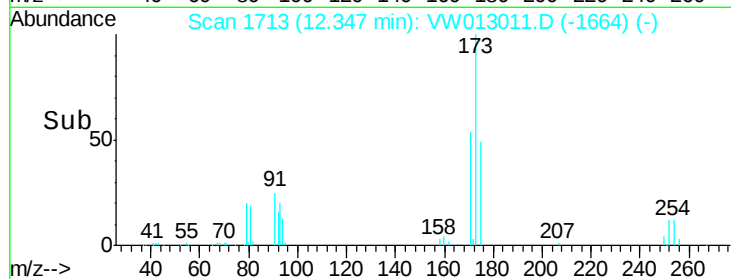
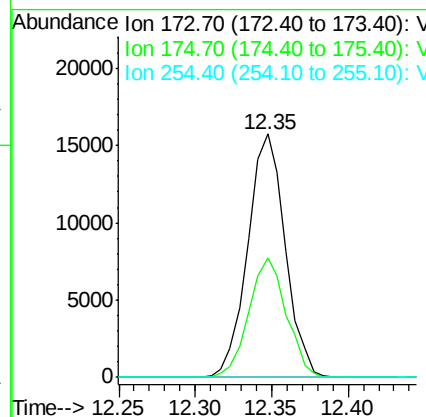
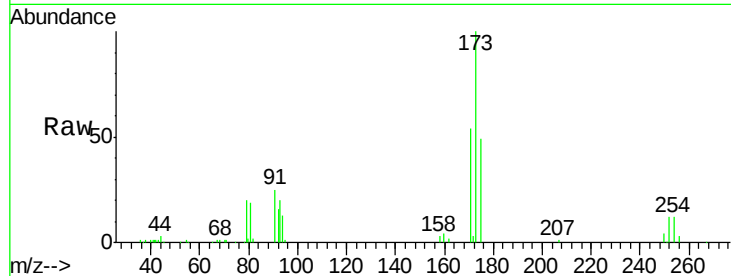
#71
Bromoform
Concen: 20.978 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.1	0.1	0.1

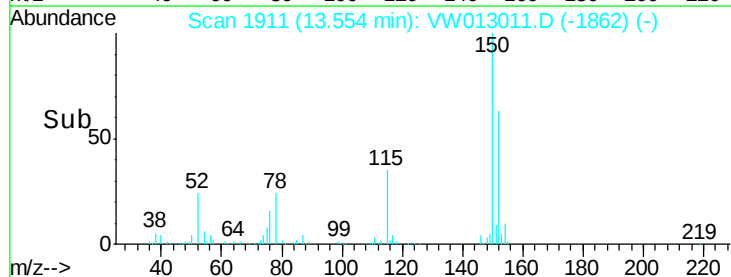
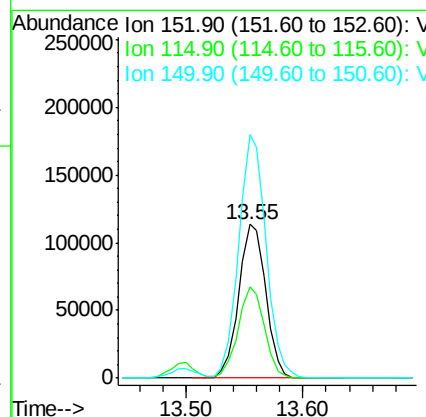
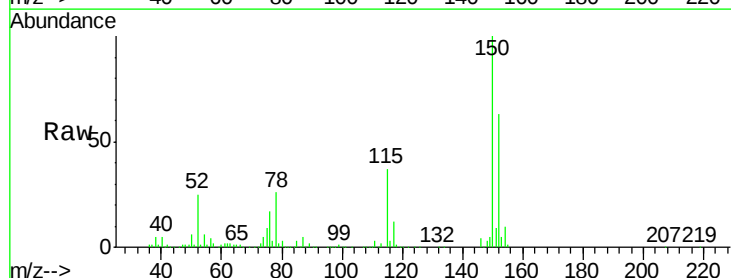
Manual Integrations
APPROVED

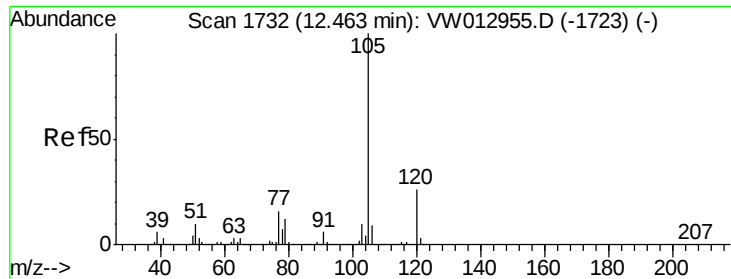
MMDadoda
9/16/2019 11:14:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.8	86.4
150	161.0	0.0	340.2





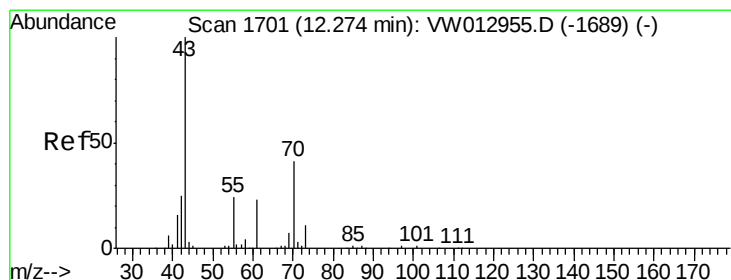
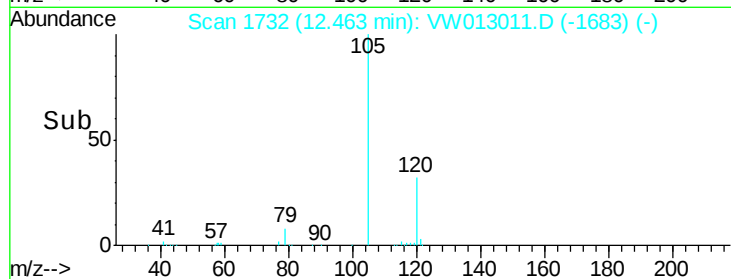
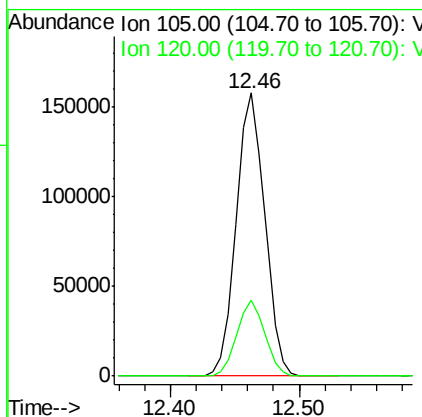
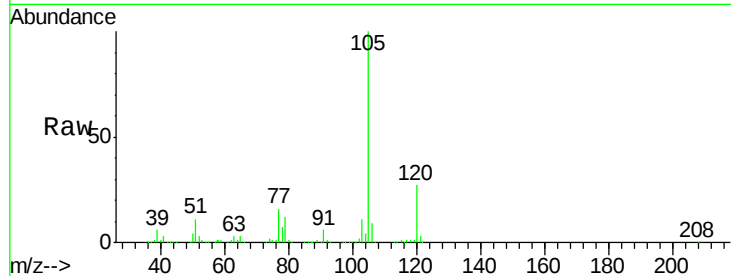
#73
Isopropylbenzene
Concen: 19.930 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	242827		
120	26.3	13.0	39.0	

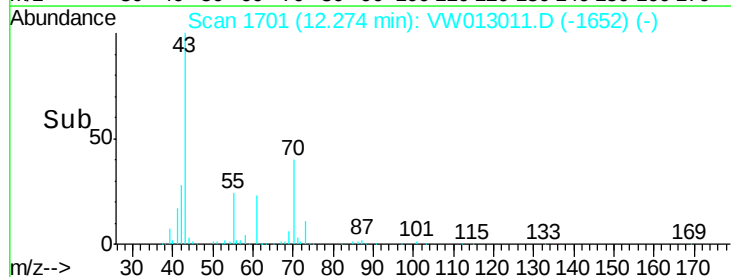
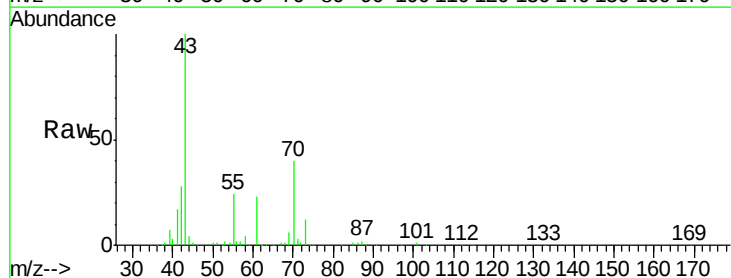
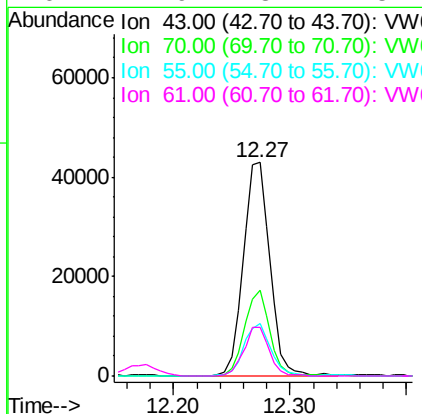
Manual Integrations
APPROVED

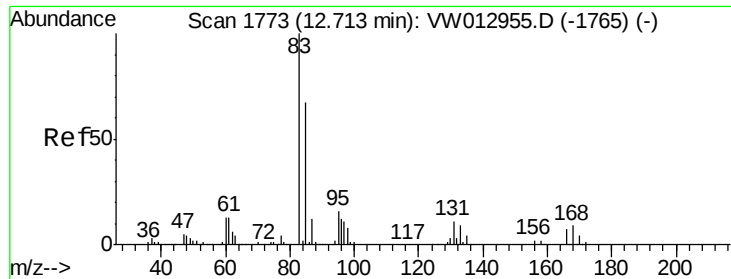
MMDadoda
9/16/2019 11:14:45 AM



#74
N-ethyl acetate
Concen: 21.935 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	68750		
70	38.2	31.7	47.5	
55	24.6	19.4	29.2	
61	21.9	18.7	28.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 22.861 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

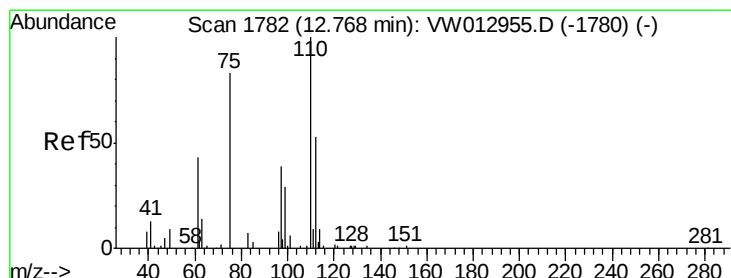
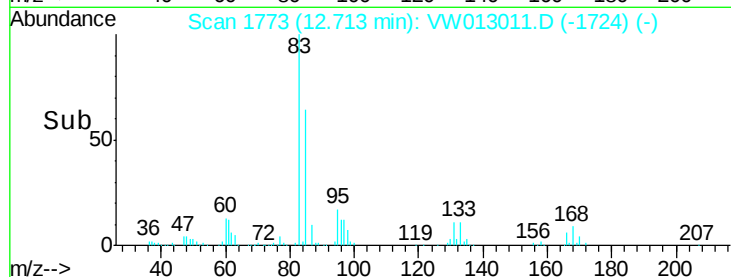
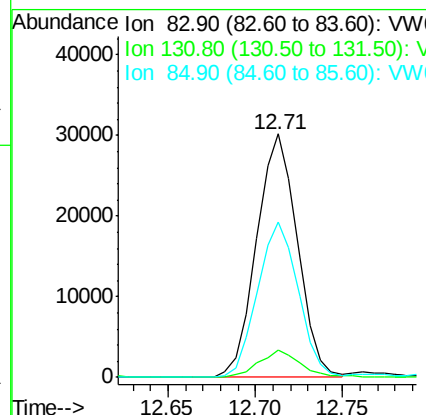
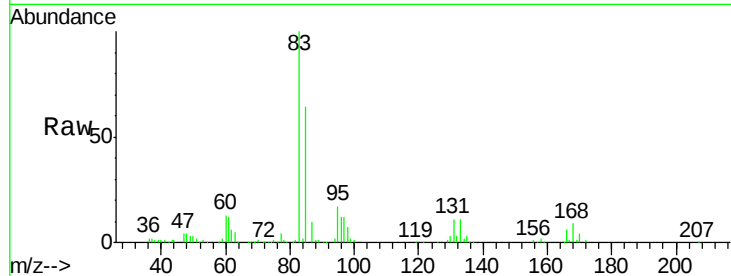
ClientSampleId :

VW0915SBS02

Tot Ion:	83	Resp:	48922
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.1
85	63.8	31.4	94.3

Manual Integrations
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MMDadoda
9/16/2019 11:14:45 AM



#76

1,2,3-Trichloropropane

Concen: 24.124 ug/l m

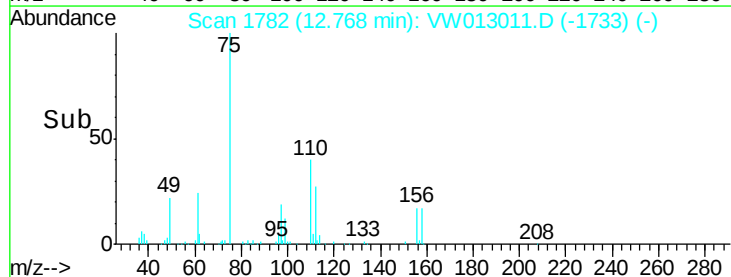
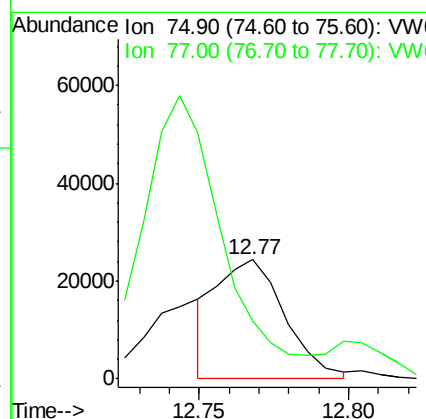
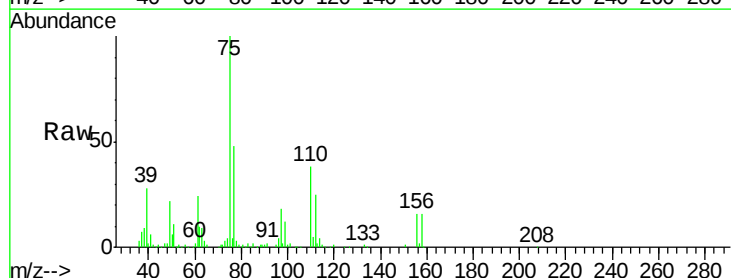
RT: 12.77 min Scan# 1782

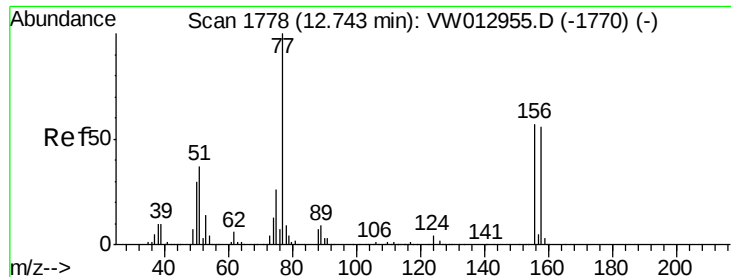
Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	75	Resp:	38843
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.398 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

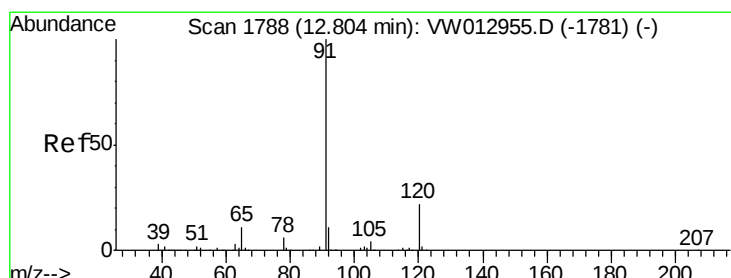
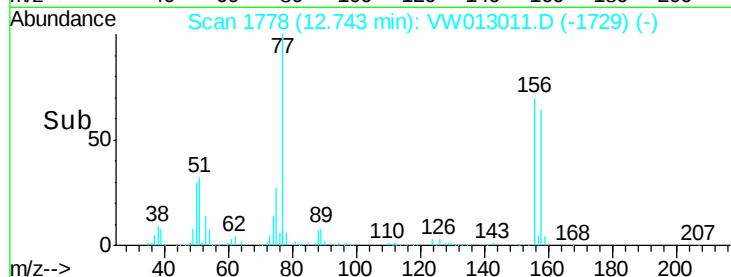
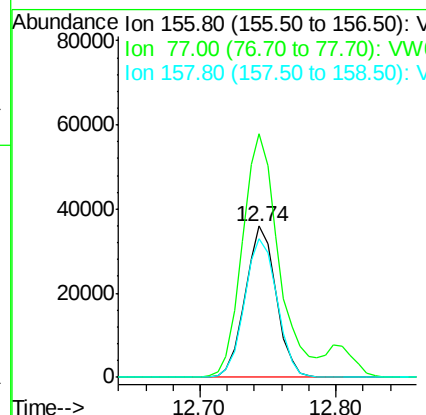
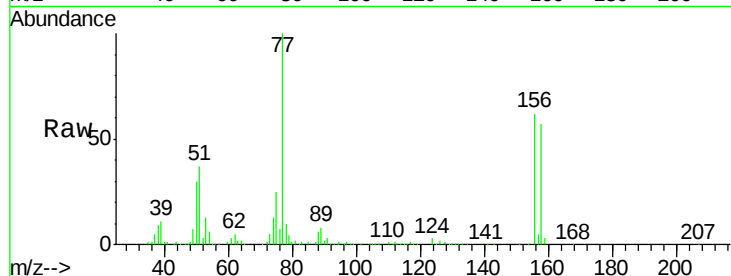
ClientSampleId :

VW0915SBS02

Tot Ion:	156	Resp:	57255
Ion Ratio	Lower	Upper	
156	100		
77	188.6	95.2	285.6
158	96.3	49.0	147.2

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#78

n-propylbenzene

Concen: 19.723 ug/l

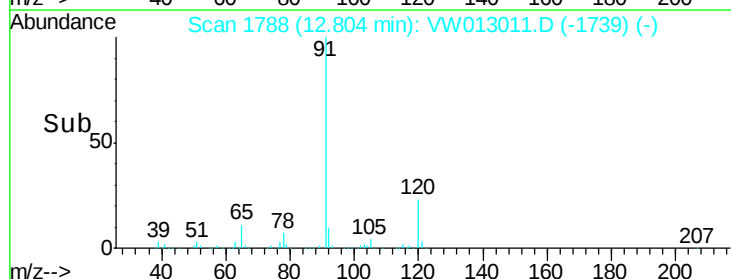
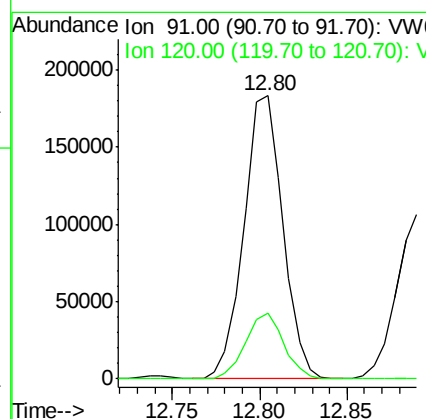
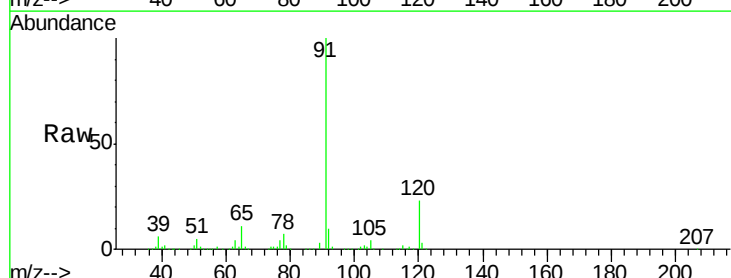
RT: 12.80 min Scan# 1788

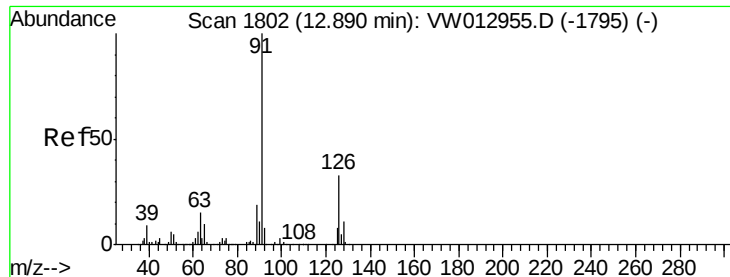
Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	91	Resp:	282674
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.386 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

ClientSampled :

VW0915SBS02

Tot Ion: 91 Resp: 167959

Ion Ratio Lower Upper

91 100

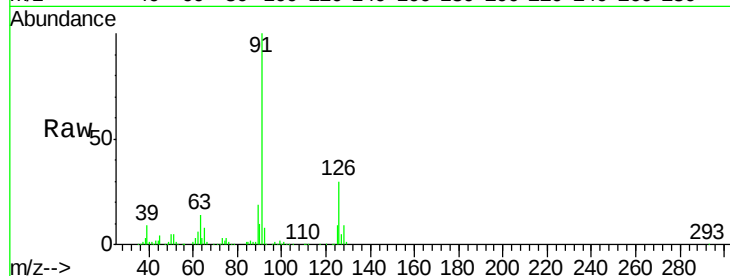
126 31.4 16.5 49.5

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

150000

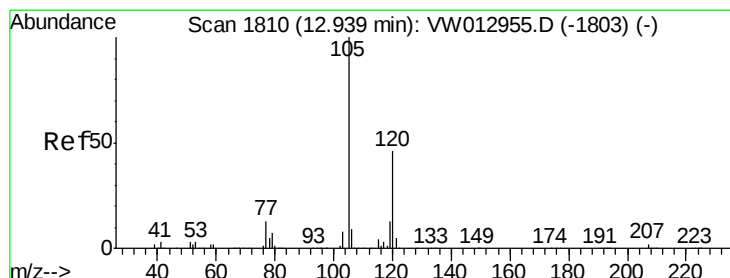
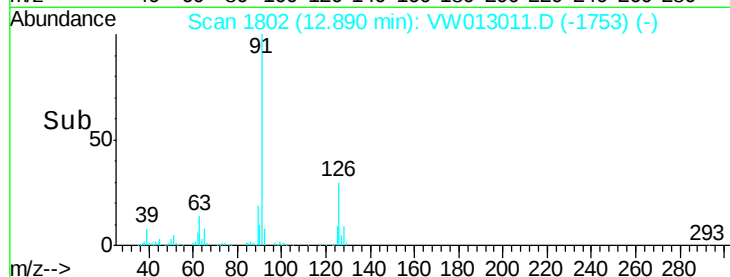
100000

50000

0

12.85 12.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.105 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW013011.D

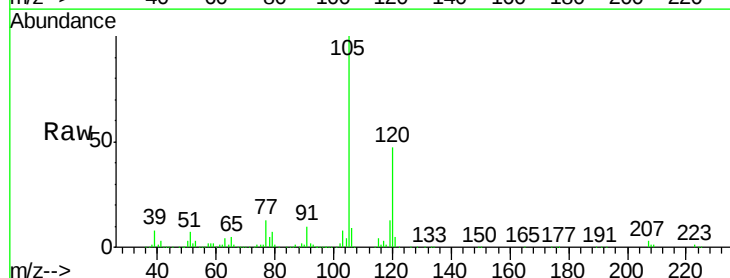
Acq: 15 Sep 2019 00:33

Tgt Ion:105 Resp: 207241

Ion Ratio Lower Upper

105 100

120 47.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

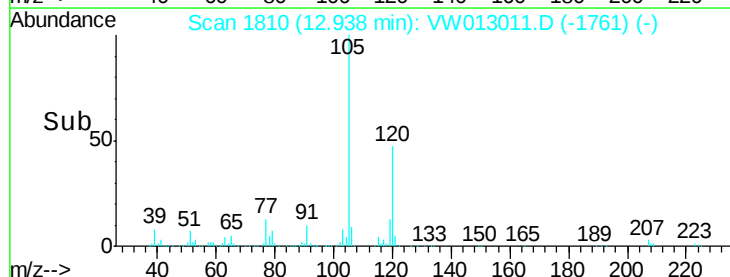
100000

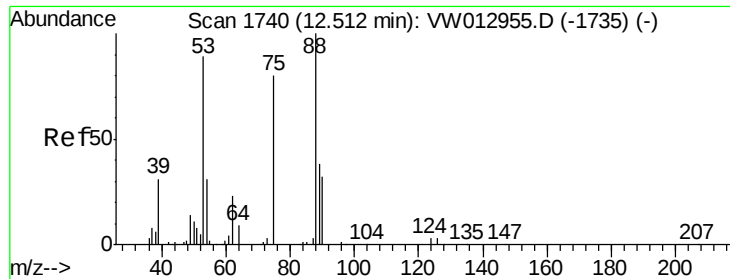
50000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.878 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

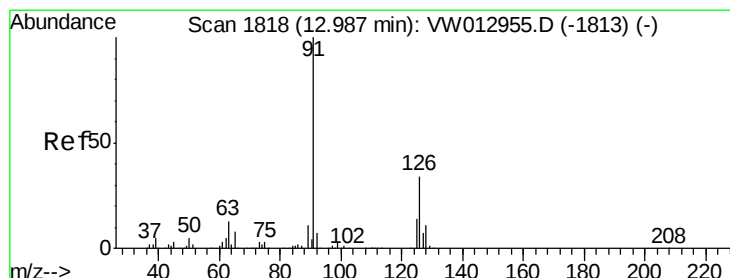
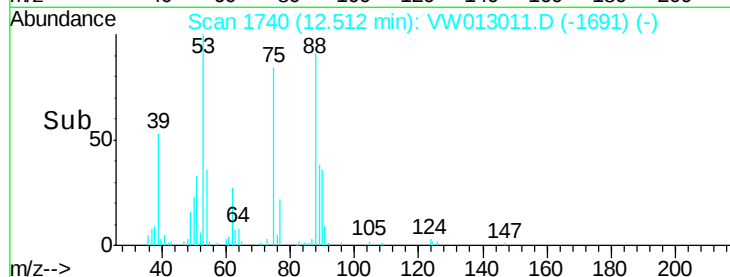
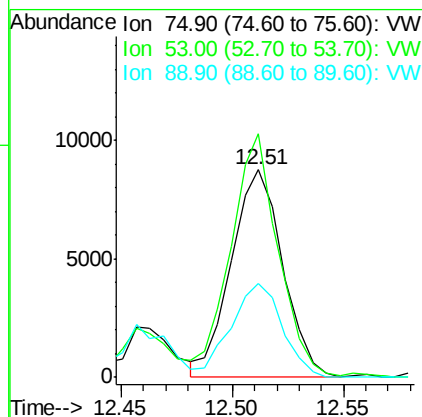
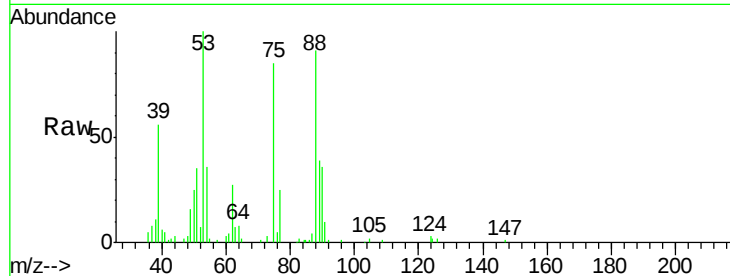
ClientSampleId :

VW0915SBS02

Tot Ion:	75	Resp:	14109
Ion	Ratio	Lower	Upper
75	100		
53	106.3	85.6	128.4
89	45.0	37.2	55.8

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#82

4-Chlorotoluene

Concen: 20.087 ug/l

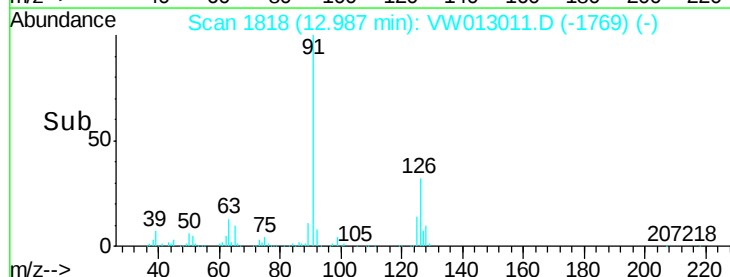
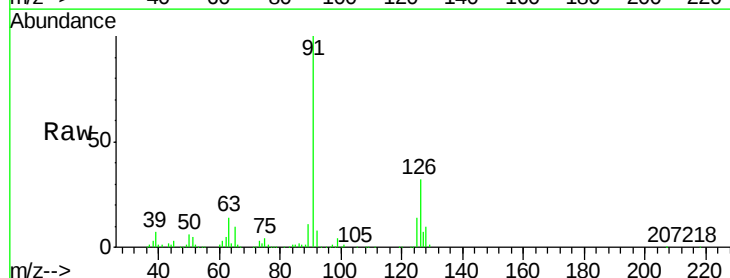
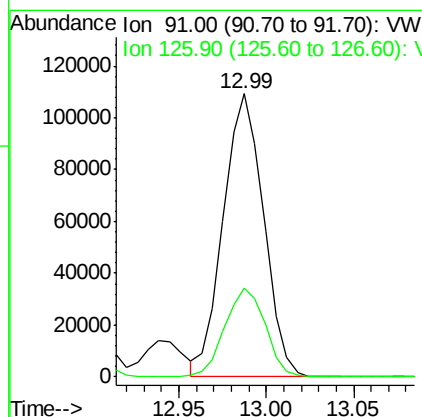
RT: 12.99 min Scan# 1818

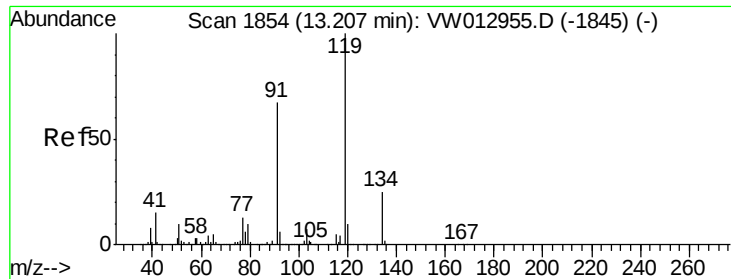
Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	91	Resp:	174619
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.3





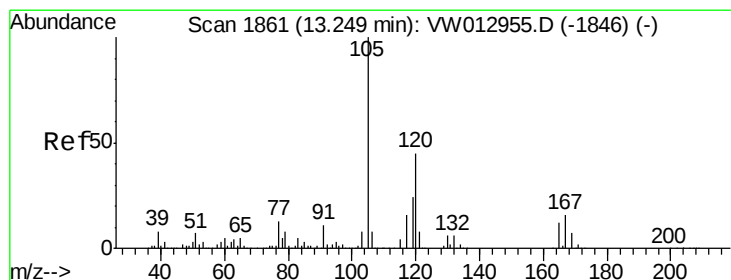
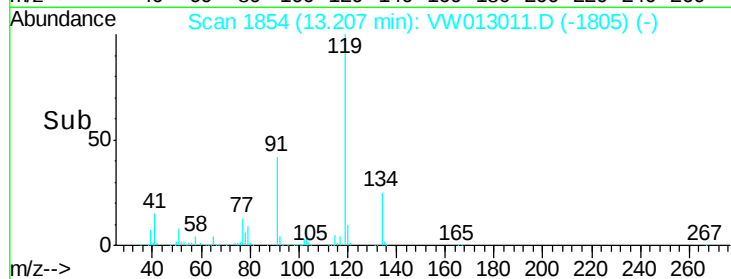
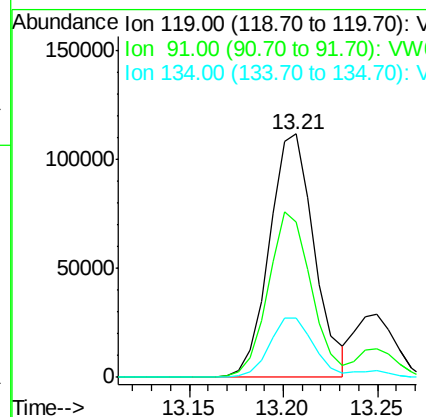
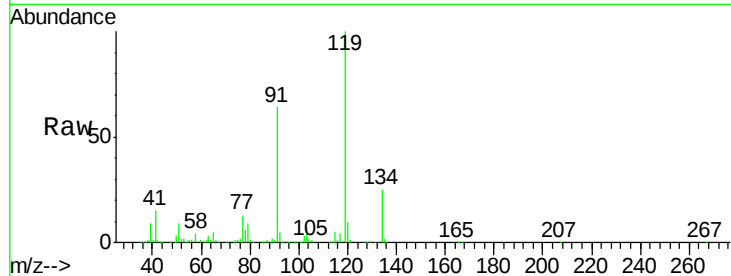
#83
tert-Butylbenzene
Concen: 20.000 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.6	98.0
134	24.8	12.4	37.4

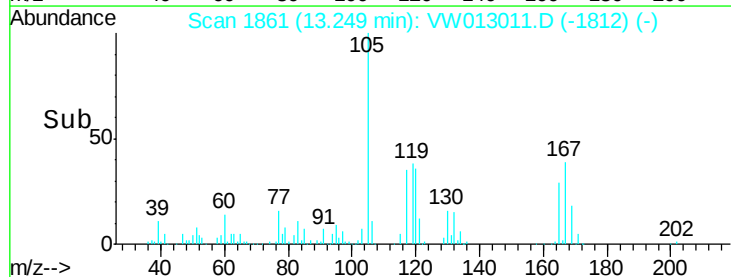
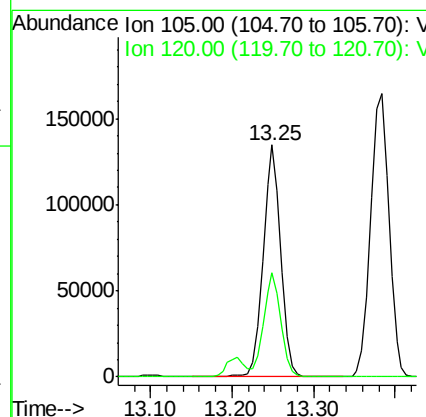
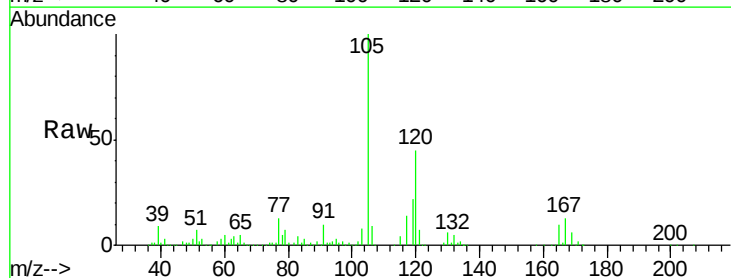
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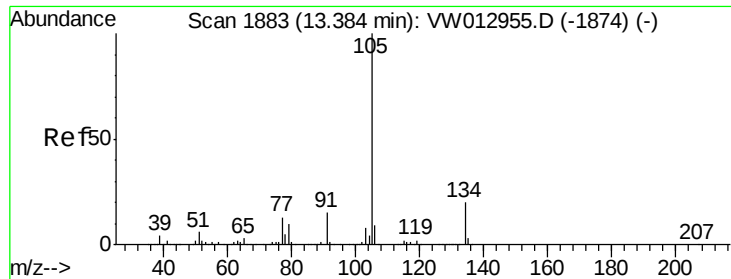
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#84
1,2,4-Trimethylbenzene
Concen: 20.095 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.9	65.7





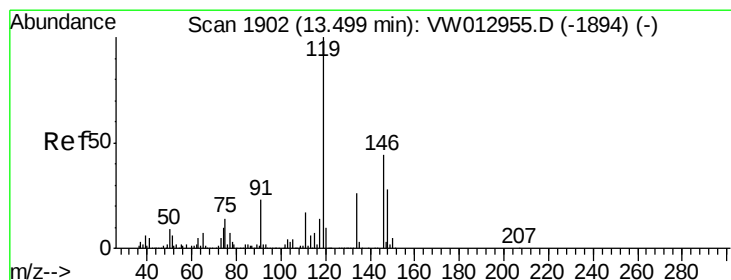
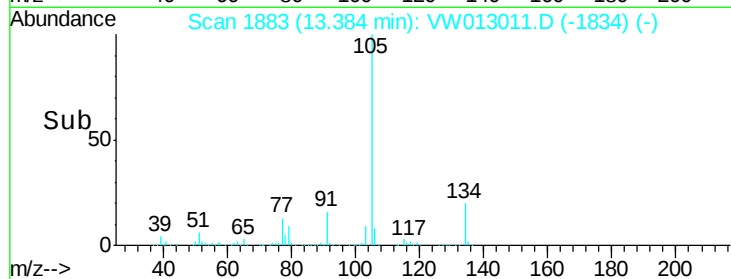
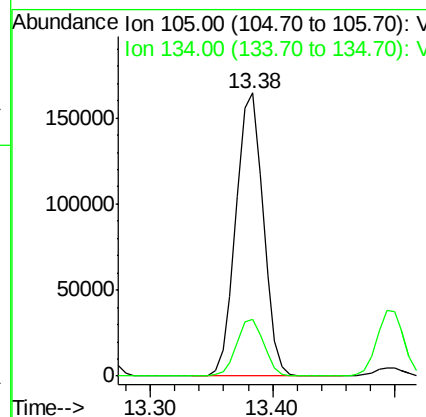
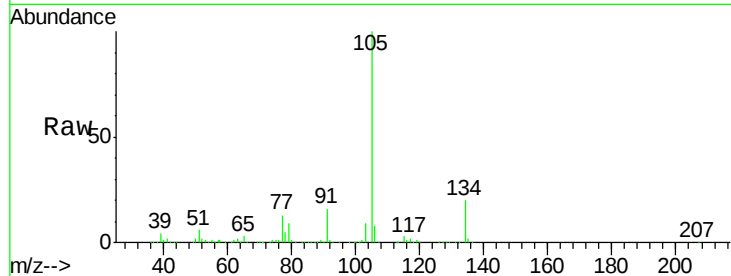
#85
 sec-Butylbenzene
 Concen: 20.191 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	253639		
134	20.0	10.2	30.4	

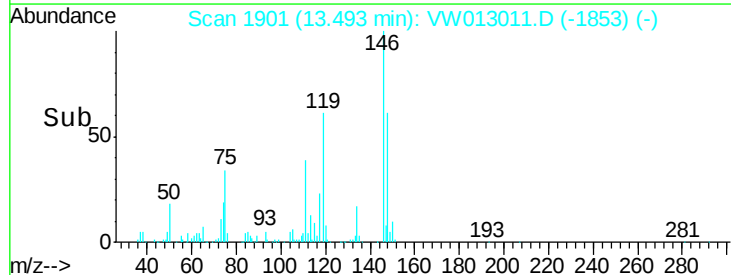
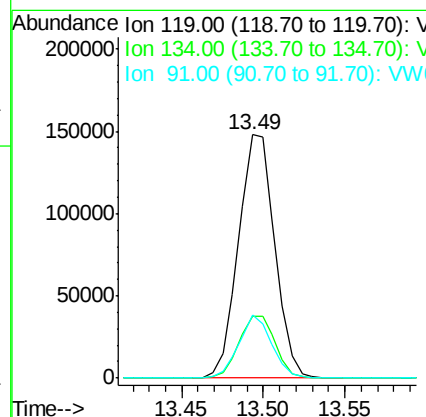
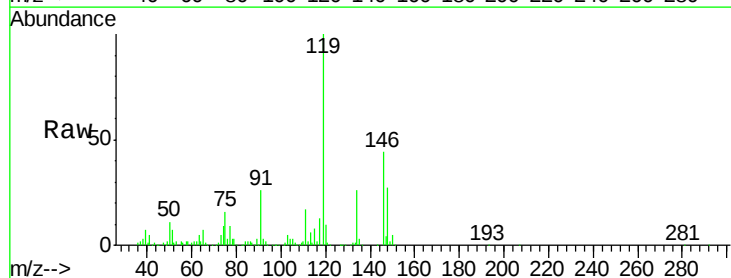
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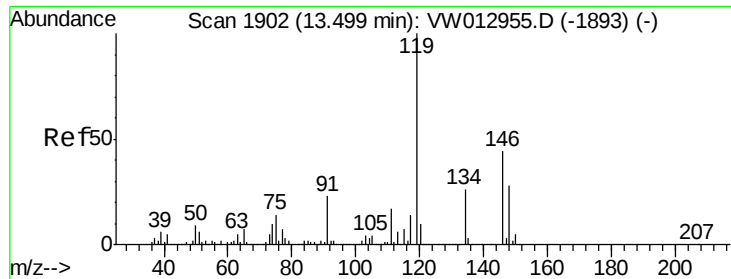
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#86
 p-Isopropyltoluene
 Concen: 19.808 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	228448		
134	25.7	12.8	38.3	
91	23.7	11.8	35.4	





#87

1,3-Dichlorobenzene

Concen: 19.496 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Instrument :

MSVOA_W

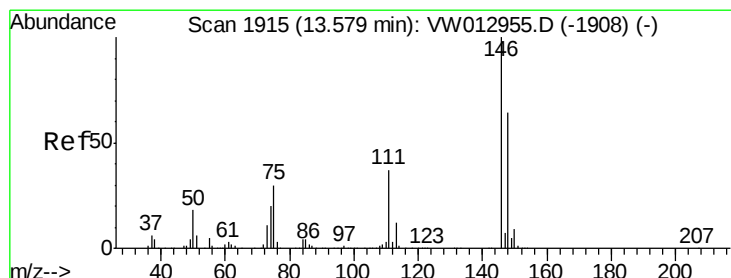
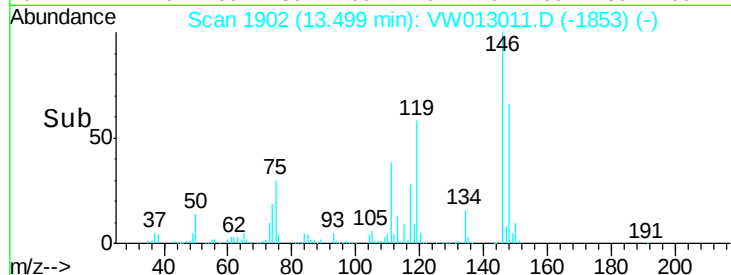
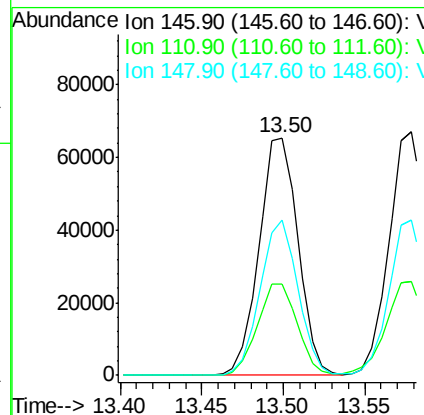
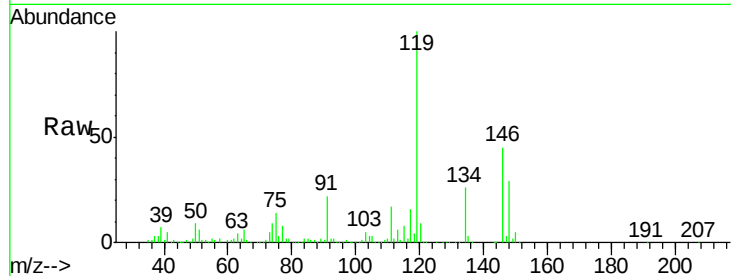
ClientSampleId :

VW0915SBS02

Tot Ion:	146	Resp:	108333
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.8	59.4
148	63.9	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 19.954 ug/l

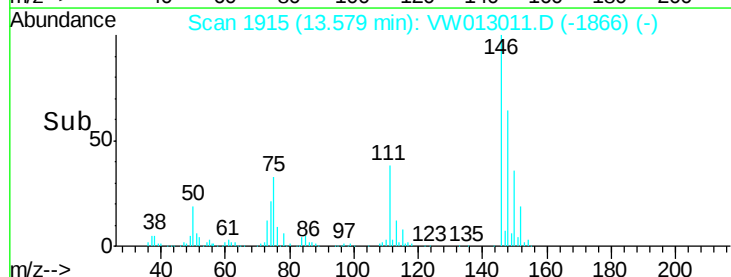
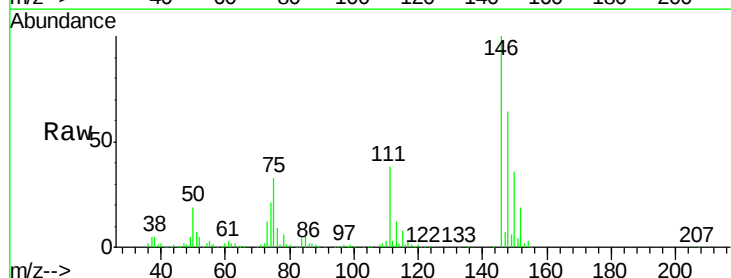
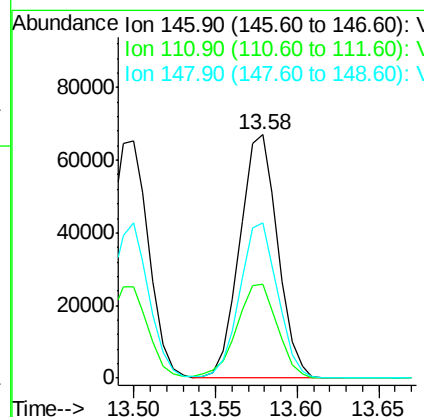
RT: 13.58 min Scan# 1915

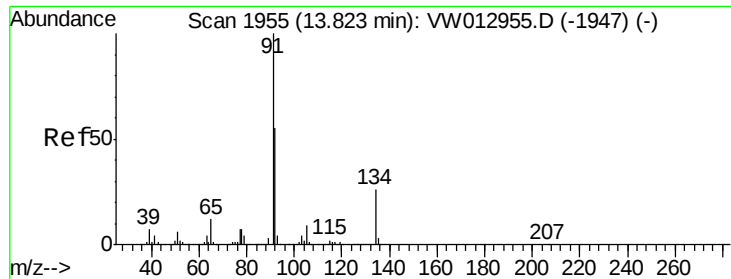
Delta R.T. -0.00 min

Lab File: VW013011.D

Acq: 15 Sep 2019 00:33

Tgt Ion:	146	Resp:	108960
Ion Ratio	Lower	Upper	
146	100		
111	41.3	19.4	58.2
148	63.8	31.9	95.5





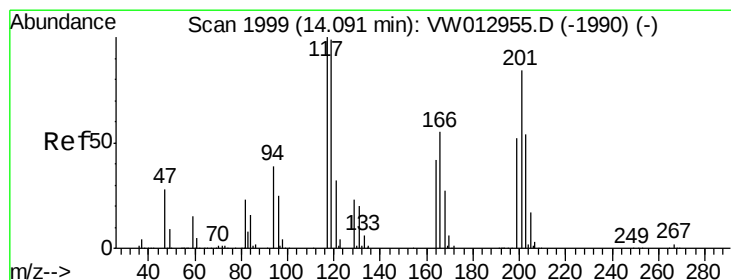
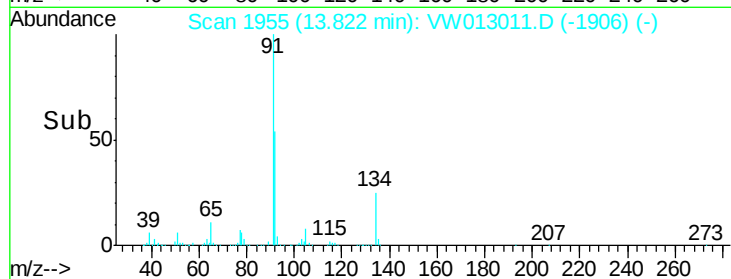
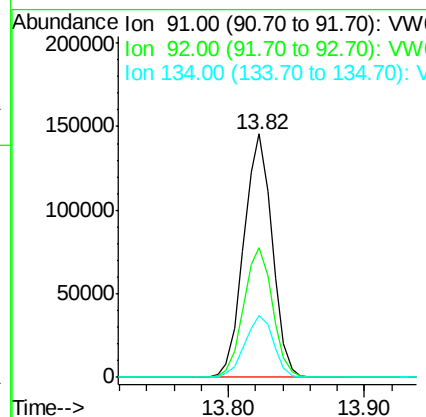
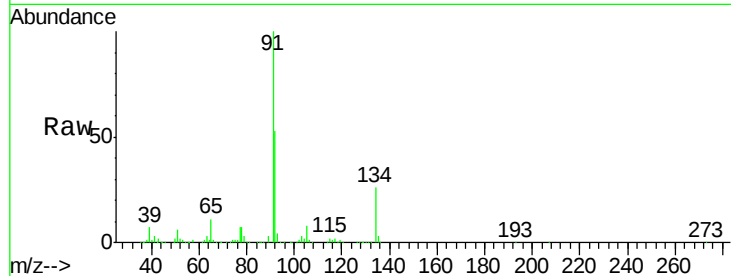
#89
n-Butylbenzene
Concen: 19.501 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.5
134	25.7	13.1	39.1

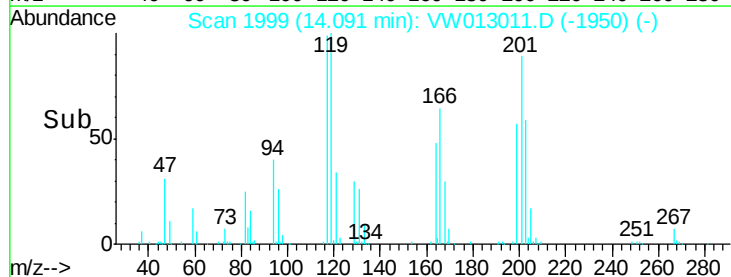
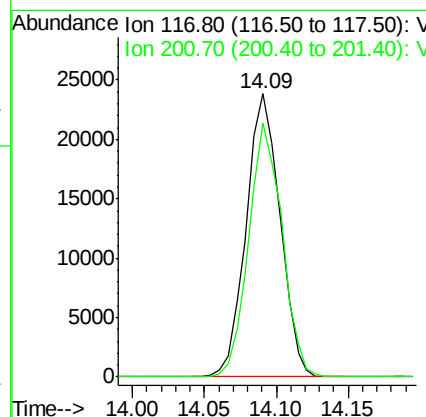
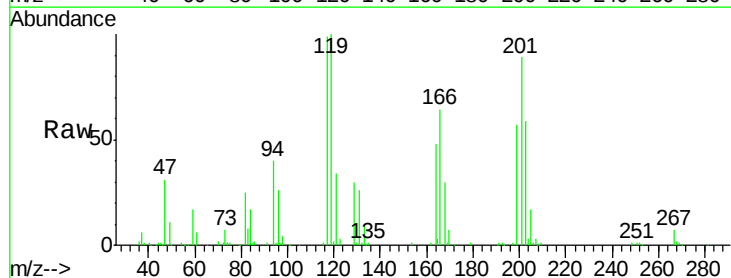
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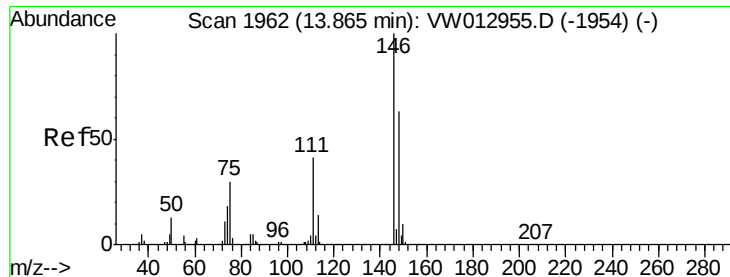
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#90
Hexachloroethane
Concen: 18.803 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	45.3	135.9





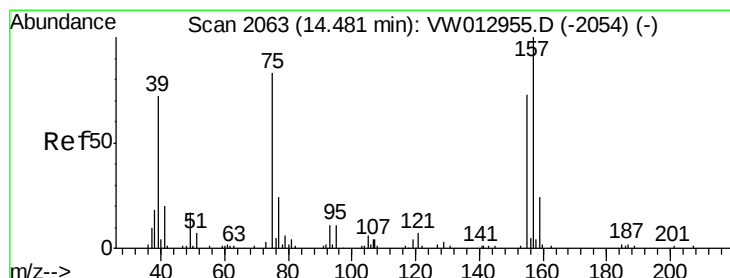
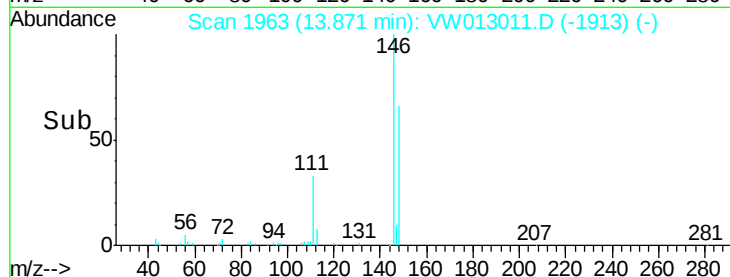
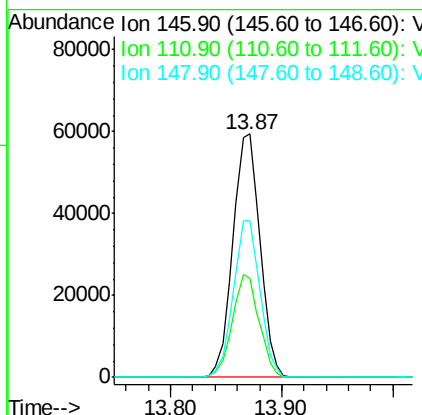
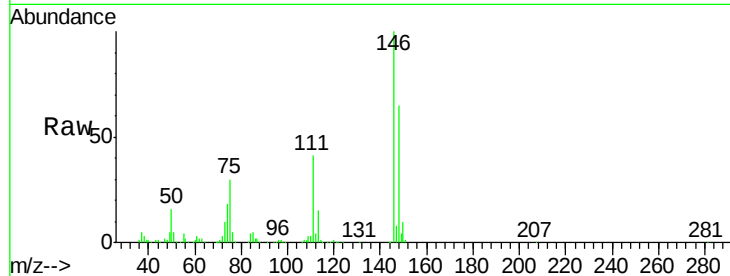
#91
 1,2-Dichlorobenzene
 Concen: 20.550 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	63.2	32.7	98.1

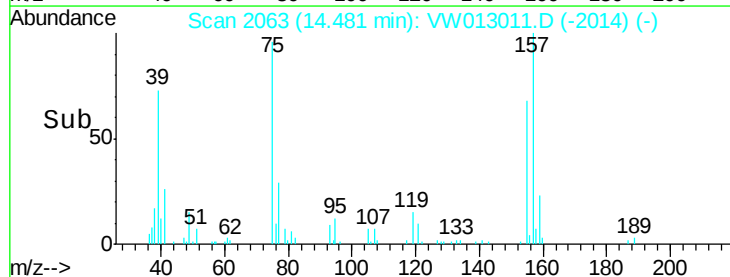
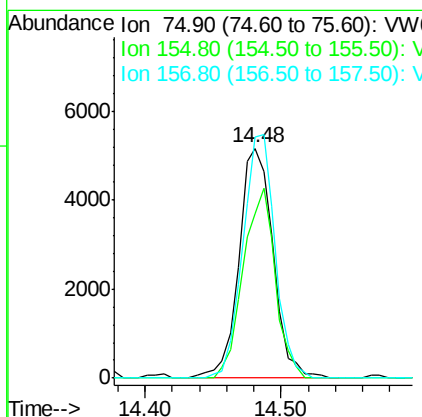
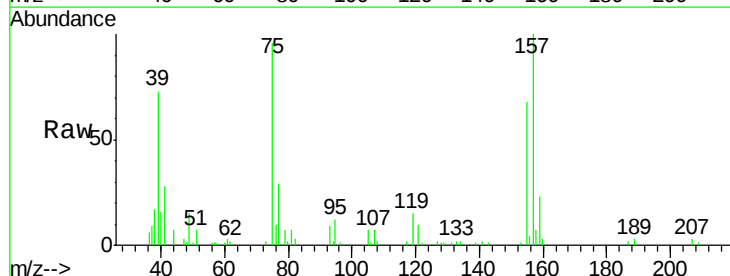
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.139 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	43.3	129.9
157	100.2	54.7	164.1





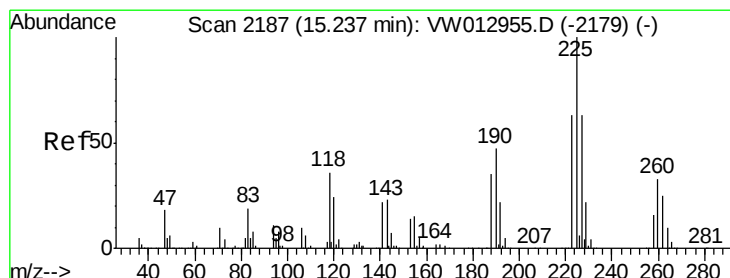
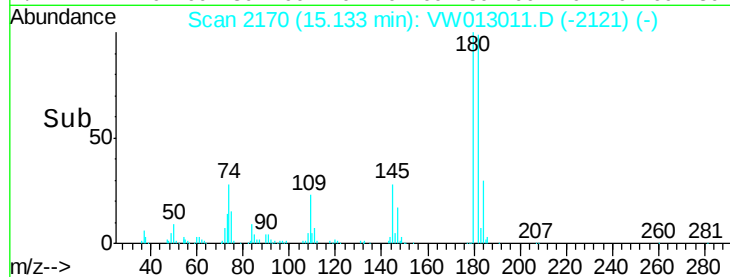
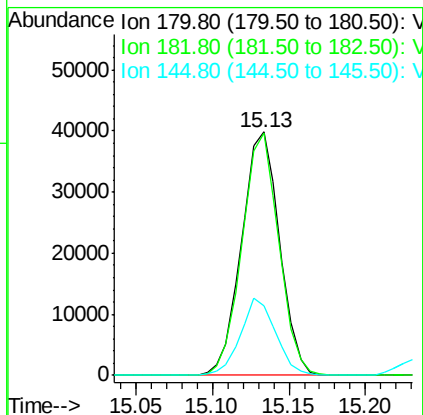
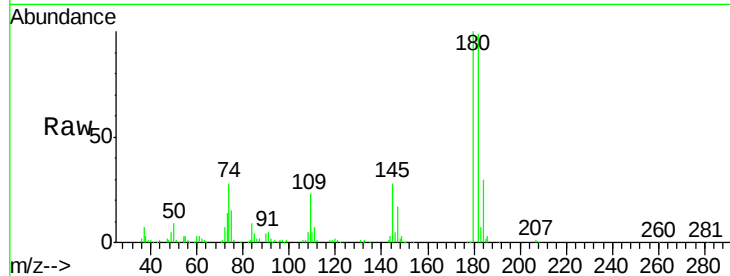
#93
 1,2,4-Trichlorobenzene
 Concen: 19.683 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68592		
182	96.6	47.4	142.2	
145	29.4	14.9	44.7	

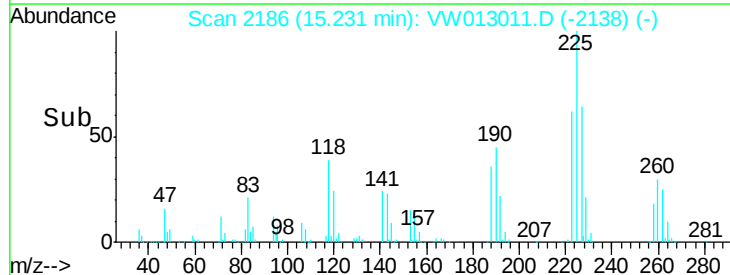
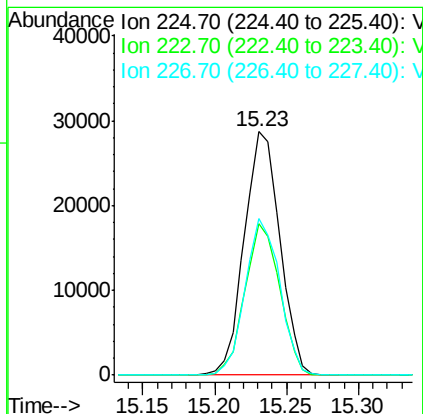
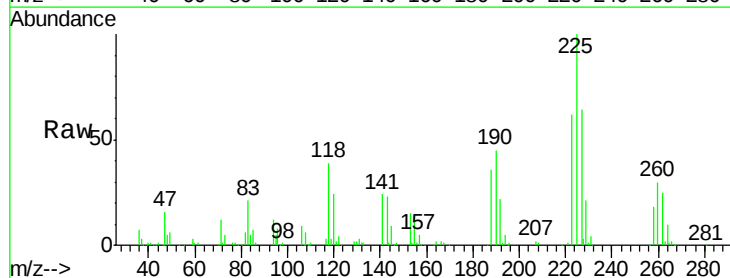
Manual Integrations
 APPROVED

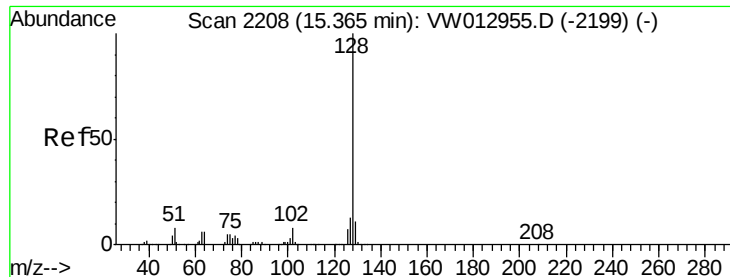
MMDadoda
 9/16/2019 11:14:45 AM



#94
 Hexachlorobutadiene
 Concen: 19.868 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013011.D
 Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49016		
223	60.9	31.8	95.3	
227	62.3	31.3	93.8	





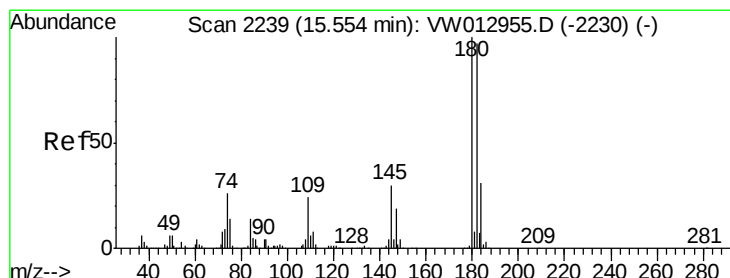
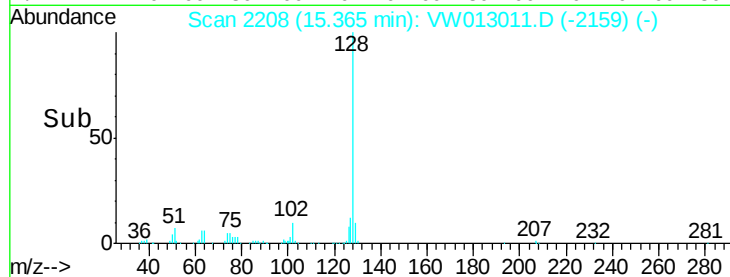
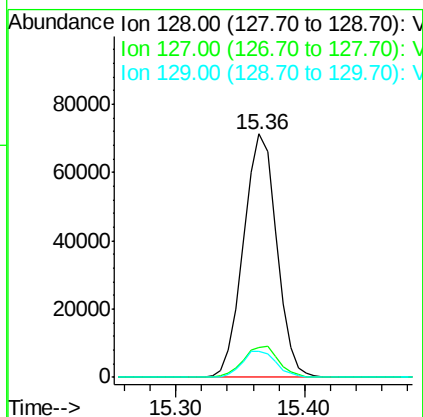
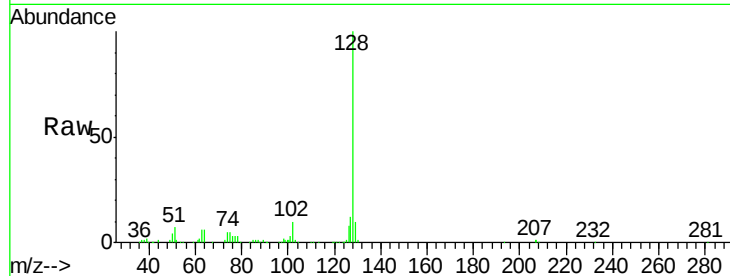
#95
Naphthalene
Concen: 21.750 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.6
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.291 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013011.D
Acq: 15 Sep 2019 00:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	30.3	15.4	46.2

