

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013012.D
 Acq On : 15 Sep 2019 00:59
 Operator : SY/VA
 Sample : VW0915SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:49 AM

Quant Time: Sep 16 08:02:26 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	298500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	194426	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	156121	56.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.26%	
35) Dibromofluoromethane	7.88	113	129208	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
50) Toluene-d8	10.32	98	511556	52.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.62	95	180313	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	25644	19.734	ug/l	91
3) Chloromethane	2.21	50	36119	22.473	ug/l	97
4) Vinyl Chloride	2.36	62	43303	20.268	ug/l	100
5) Bromomethane	2.76	94	26150	20.042	ug/l	97
6) Chloroethane	2.92	64	26738	20.405	ug/l	96
7) Trichlorofluoromethane	3.25	101	23262	15.569	ug/l	95
8) Diethyl Ether	3.68	74	25122	21.534	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44298	19.548	ug/l	100
10) Methyl Iodide	4.27	142	63330	22.331	ug/l	99
11) Tert butyl alcohol	5.19	59	19951	93.825	ug/l #	79
12) 1,1-Dichloroethene	4.04	96	41960	20.365	ug/l	94
13) Acrolein	3.89	56	20901	98.598	ug/l	95
14) Allyl chloride	4.66	41	83578	21.367	ug/l	97
15) Acrylonitrile	5.37	53	64402	108.084	ug/l	98
16) Acetone	4.12	43	53415	75.660	ug/l	97
17) Carbon Disulfide	4.38	76	87669	21.351	ug/l	97
18) Methyl Acetate	4.67	43	37177	23.670	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	89070	21.900	ug/l	97
20) Methylene Chloride	4.91	84	57380	22.958	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45229	20.495	ug/l	94
22) Diisopropyl ether	6.31	45	180206	22.176	ug/l	98
23) Vinyl Acetate	6.24	43	495414	101.791	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99443	21.225	ug/l	97
25) 2-Butanone	7.17	43	86599	98.788	ug/l	99
26) 2,2-Dichloropropane	7.16	77	56392	16.019	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	56294	21.307	ug/l	98
28) Bromochloromethane	7.51	49	41864	21.229	ug/l	94
29) Tetrahydrofuran	7.53	42	58586	117.294	ug/l	95
30) Chloroform	7.67	83	100611	21.134	ug/l	98
31) Cyclohexane	7.95	56	80412	20.342	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	78469	20.016	ug/l	98
36) 1,1-Dichloropropene	8.08	75	70740	19.189	ug/l	98
37) Ethyl Acetate	7.25	43	40900	20.902	ug/l	99
38) Carbon Tetrachloride	8.07	117	67321	17.820	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	73423	18.176	ug/l	97
40) Benzene	8.32	78	206792	20.094	ug/l	99
41) Methacrylonitrile	7.48	41	23896	18.544	ug/l	93
42) 1,2-Dichloroethane	8.40	62	67367	19.527	ug/l	97
43) Isopropyl Acetate	8.42	43	70681	18.813	ug/l	99
44) Trichloroethene	9.09	130	56136	19.914	ug/l	91
45) 1,2-Dichloropropane	9.37	63	53820	19.683	ug/l	99
46) Dibromomethane	9.46	93	25971	19.825	ug/l	98
47) Bromodichloromethane	9.64	83	72863	19.829	ug/l	98
48) Methyl methacrylate	9.43	41	34704	19.682	ug/l	99
49) 1,4-Dioxane	9.46	88	7984	363.728	ug/l	88
51) 4-Methyl-2-Pentanone	10.21	43	196106	101.104	ug/l	100
52) Toluene	10.38	92	127768	19.538	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	69231	18.734	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	79529	18.808	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	41372	20.731	ug/l	95
56) Ethyl methacrylate	10.65	69	55645	20.715	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72962	20.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	141979	98.532	ug/l	98
59) 2-Hexanone	10.97	43	129370	95.787	ug/l	100
60) Dibromochloromethane	11.13	129	46379	19.223	ug/l	96
61) 1,2-Dibromoethane	11.24	107	37369	20.527	ug/l	98
64) Tetrachloroethene	10.86	164	49431	21.367	ug/l	95
65) Chlorobenzene	11.66	112	137187	19.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.72	131	52536	19.792	ug/l	99
67) Ethyl Benzene	11.73	91	251332	19.646	ug/l	100
68) m/p-Xylenes	11.83	106	181503	38.838	ug/l	97
69) o-Xylene	12.16	106	90280	20.605	ug/l	100
70) Styrene	12.18	104	156234	20.045	ug/l	100
71) Bromoform	12.35	173	27325	19.598	ug/l #	98
73) Isopropylbenzene	12.46	105	247651	19.217	ug/l	100
74) N-amyl acetate	12.27	43	64044	19.319	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	44459	19.642	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38289m	22.483	ug/l	
77) Bromobenzene	12.74	156	58608	19.741	ug/l	99
78) n-propylbenzene	12.80	91	292586	19.301	ug/l	100
79) 2-Chlorotoluene	12.89	91	173487	19.908	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	214673	19.690	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13757	18.325	ug/l	97
82) 4-Chlorotoluene	12.99	91	179929	19.569	ug/l	99
83) tert-Butylbenzene	13.21	119	188407	19.320	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	209574	19.453	ug/l	100
85) sec-Butylbenzene	13.38	105	236105	17.770	ug/l	99
86) p-Isopropyltoluene	13.50	119	228475	18.730	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	112518	19.145	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	111799	19.358	ug/l	97
89) n-Butylbenzene	13.82	91	209422	18.204	ug/l	100
90) Hexachloroethane	14.09	117	40570	18.559	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	103124	19.953	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8453	20.403	ug/l	94

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ClientSampleId :
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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)
93) 1,2,4-Trichlorobenzene	15.13	180	70166	19.036	ug/l	98
94) Hexachlorobutadiene	15.23	225	48956	18.762	ug/l	99
95) Naphthalene	15.36	128	125868	20.437	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	65256	20.028	ug/l	99

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

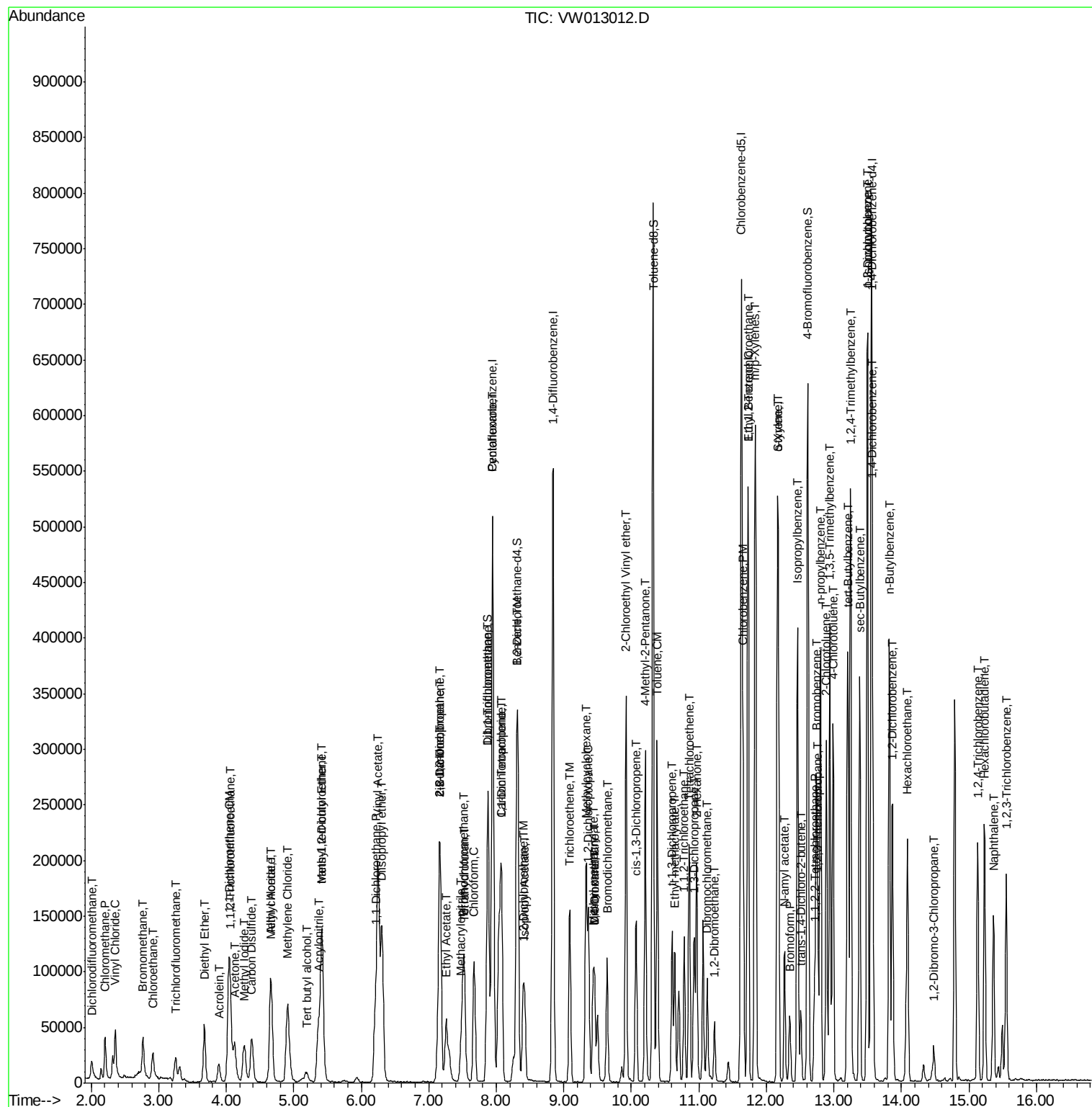
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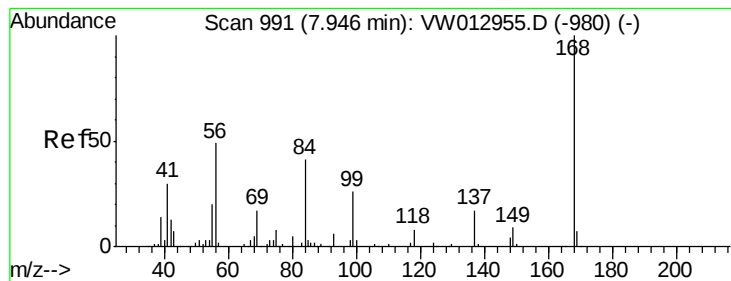
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBSD02

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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: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion:168 Resp: 298500

Ion Ratio Lower Upper

168 100

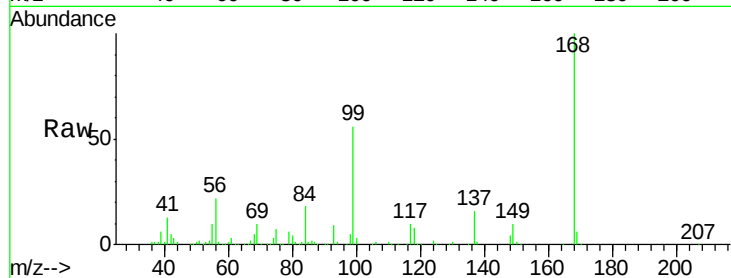
99 55.9 46.2 69.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

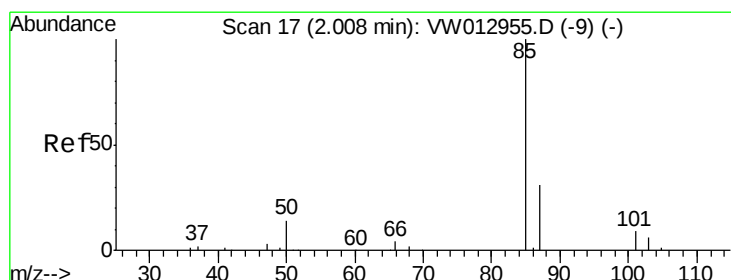
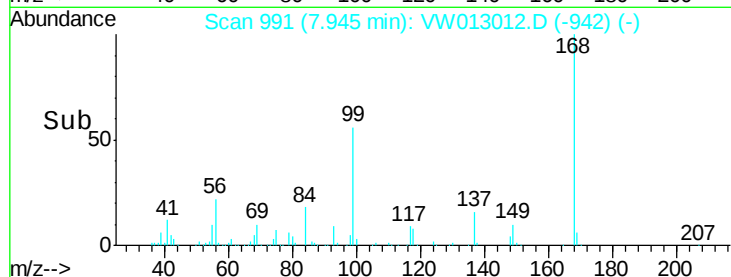
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.734 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013012.D

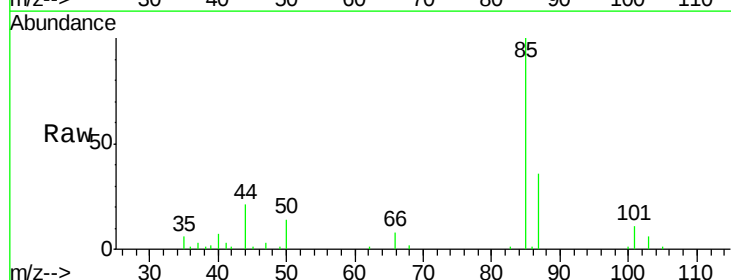
Acq: 15 Sep 2019 00:59

Tgt Ion: 85 Resp: 25644

Ion Ratio Lower Upper

85 100

87 35.7 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

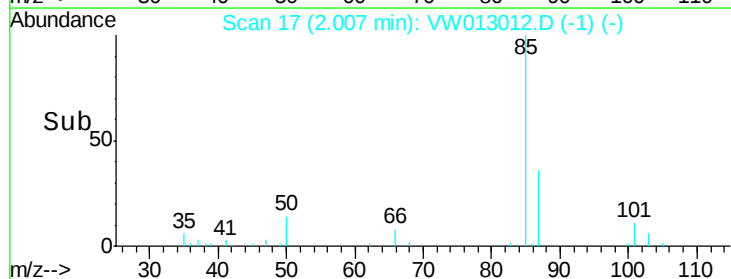
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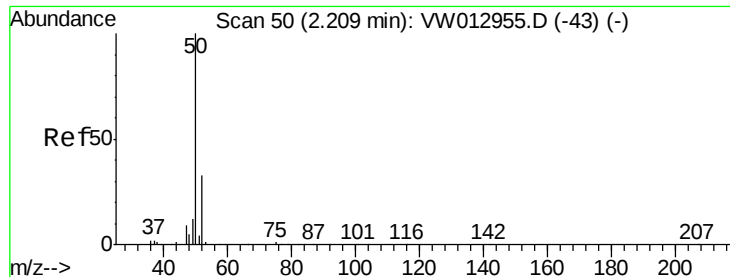
4000

2000

0

Time-->





#3

Chloromethane

Concen: 22.473 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBSD02

Tot Ion: 50 Resp: 36119

Ion Ratio Lower Upper

50 100

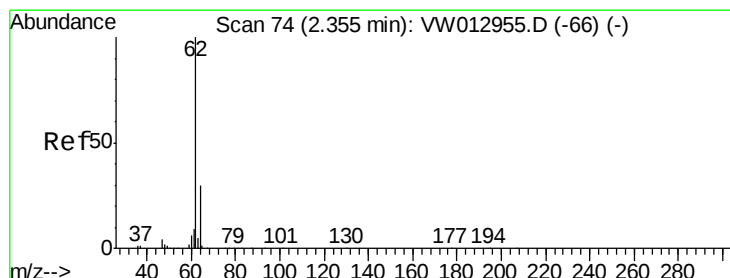
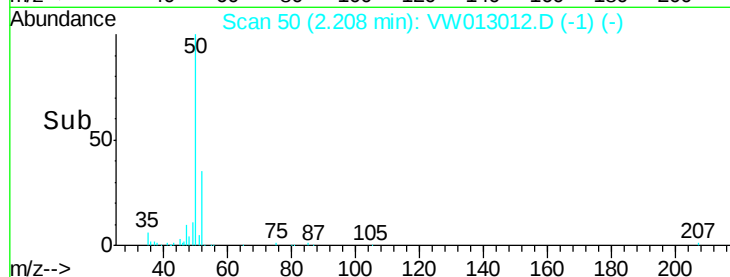
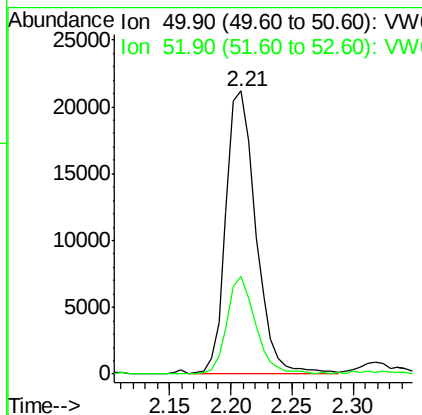
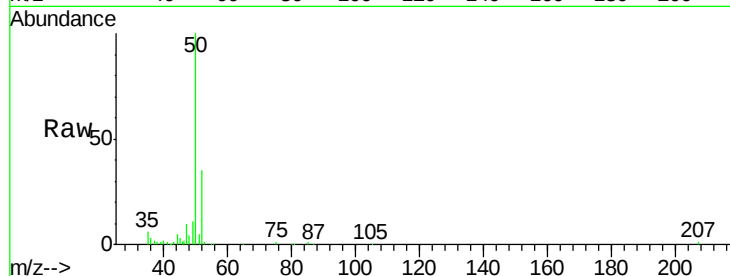
52 34.7 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.268 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013012.D

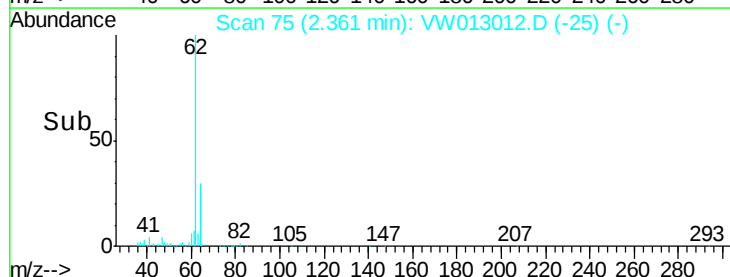
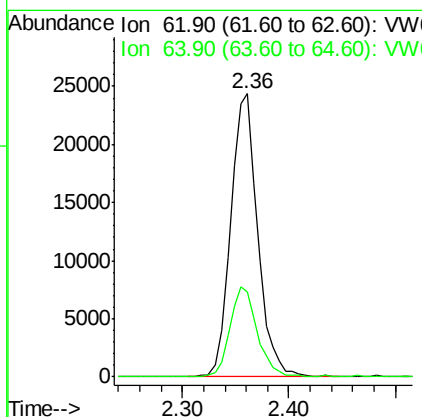
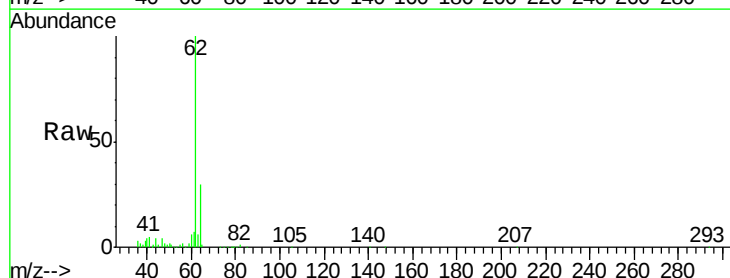
Acq: 15 Sep 2019 00:59

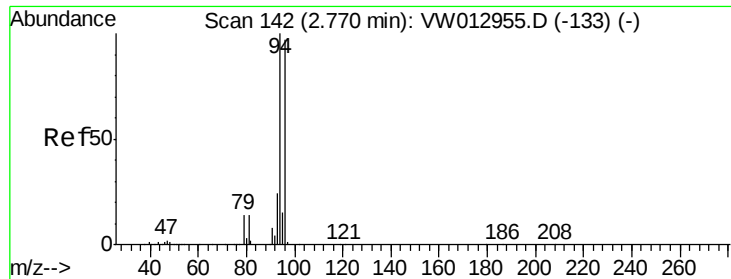
Tgt Ion: 62 Resp: 43303

Ion Ratio Lower Upper

62 100

64 30.1 24.2 36.4





#5

Bromomethane

Concen: 20.042 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBSD02

Tot Ion: 94 Resp: 26150

Ion Ratio Lower Upper

94 100

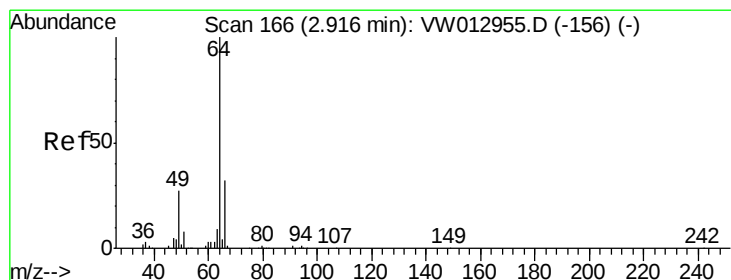
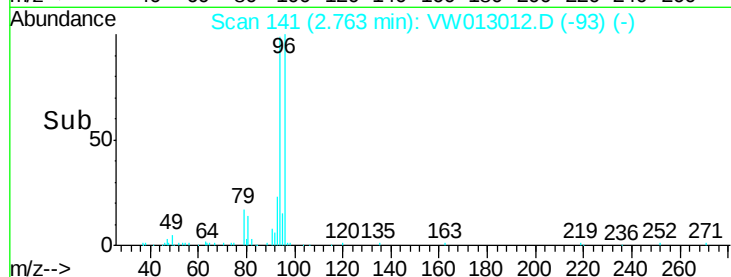
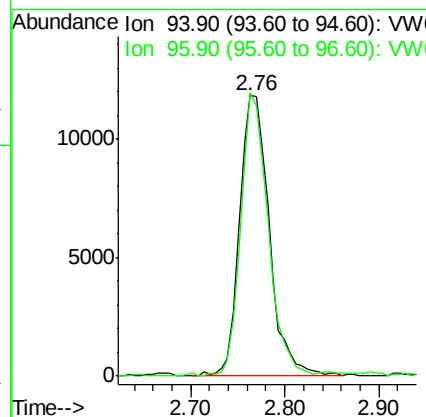
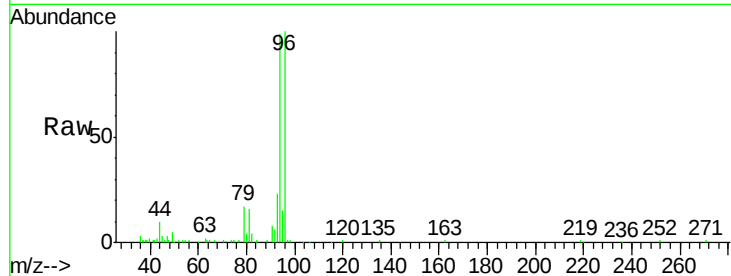
96 100.0 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 20.405 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013012.D

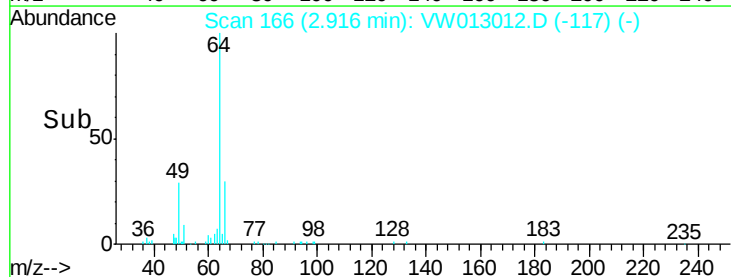
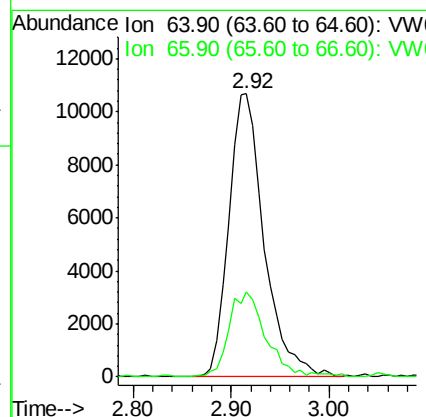
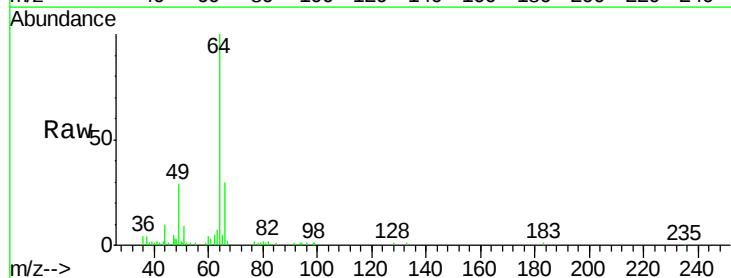
Acq: 15 Sep 2019 00:59

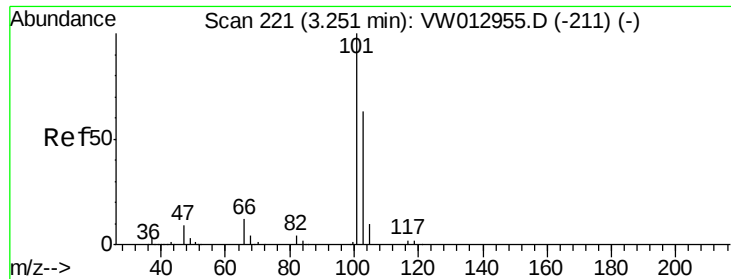
Tgt Ion: 64 Resp: 26738

Ion Ratio Lower Upper

64 100

66 29.9 25.9 38.9





#7

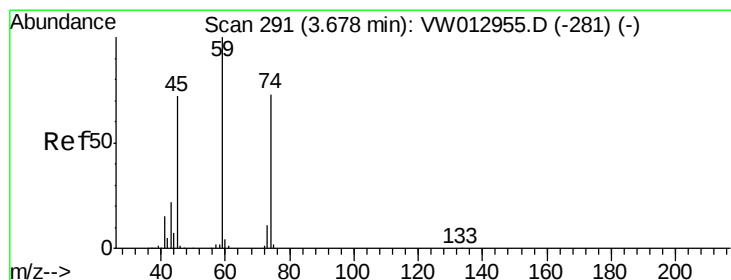
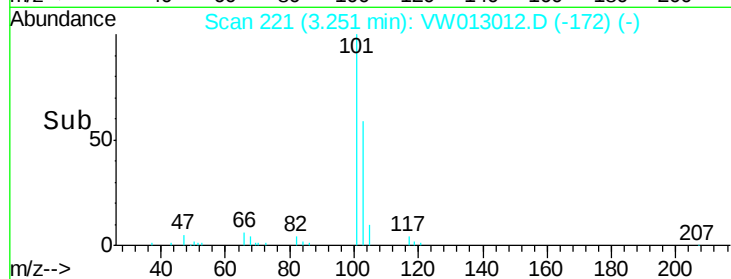
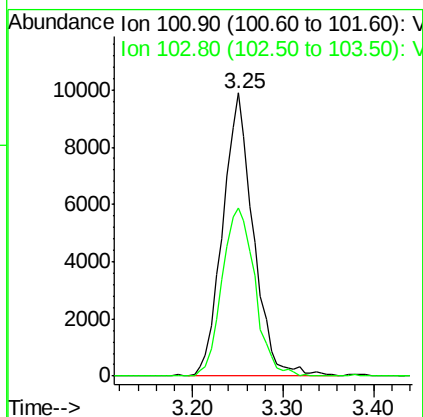
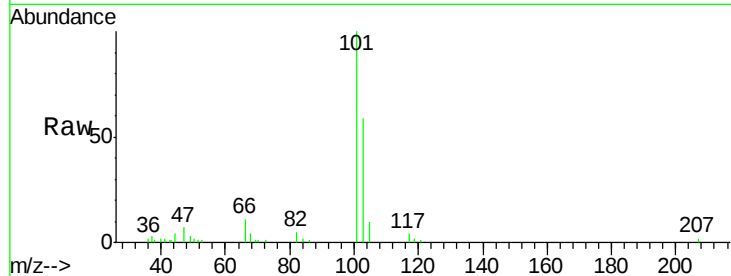
Trichlorofluoromethane
 Concen: 15.569 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	50.7	76.1

Manual Integrations
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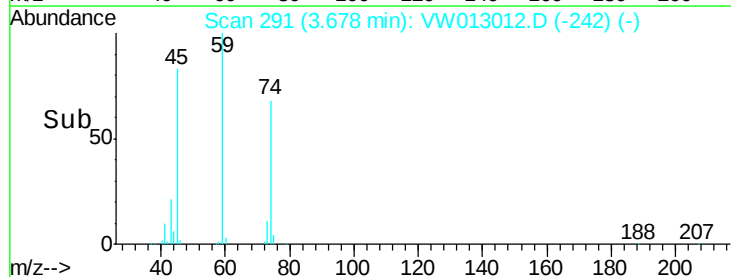
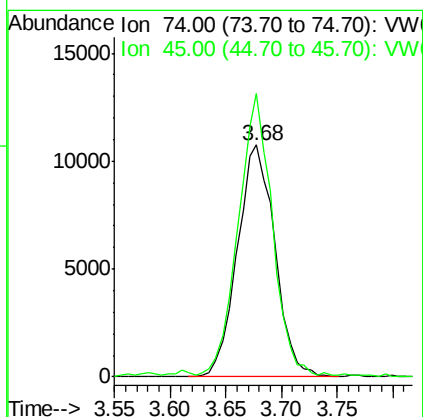
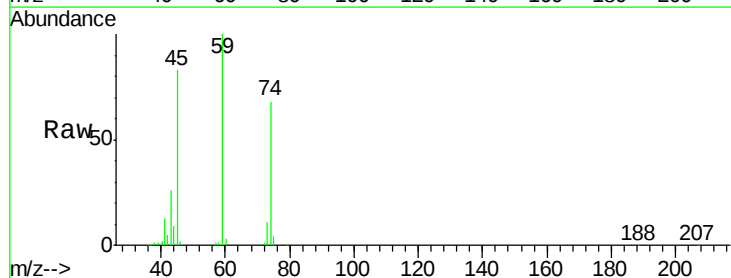
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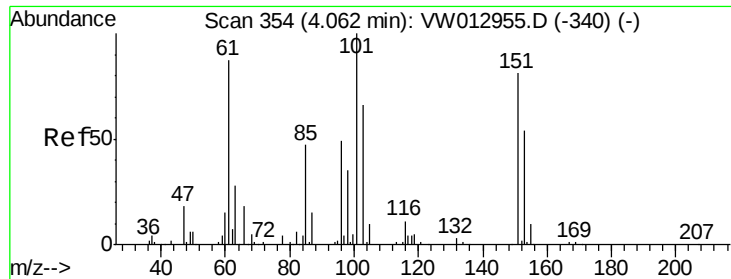


#8

Diethyl Ether
 Concen: 21.534 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.7	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.548 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

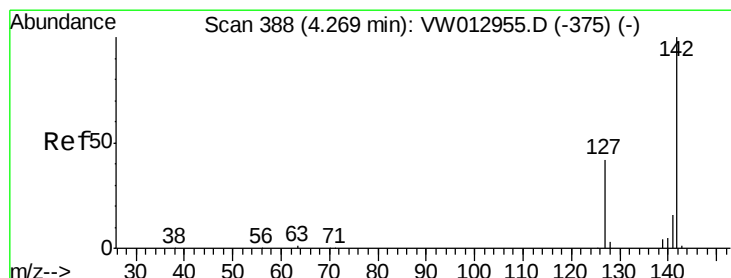
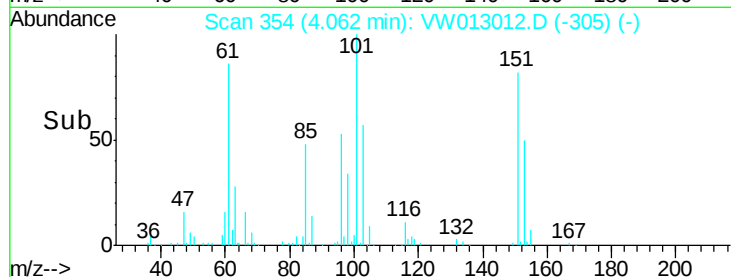
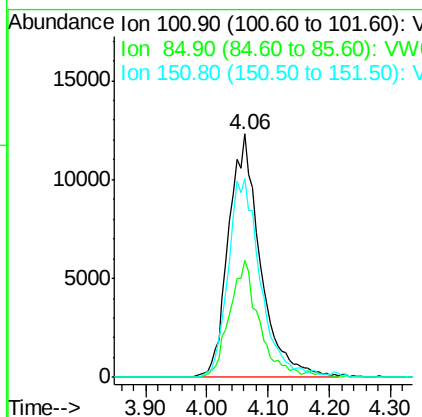
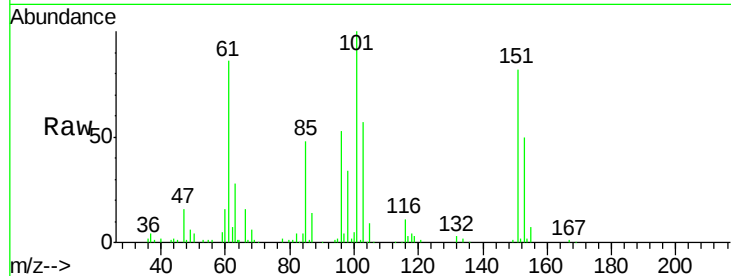
ClientSampleId :

VW0915SBS02

Tot Ion:	101	Resp:	44298
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.9	52.3
151	82.8	66.0	99.0

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#10

Methyl Iodide

Concen: 22.331 ug/l

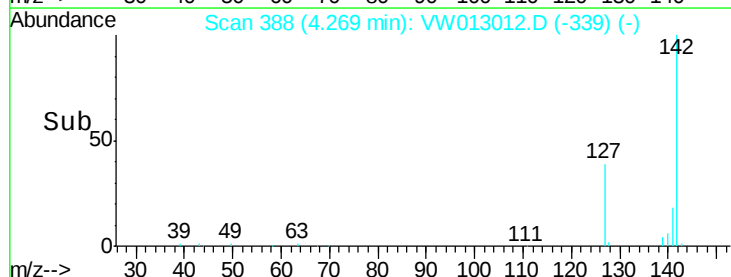
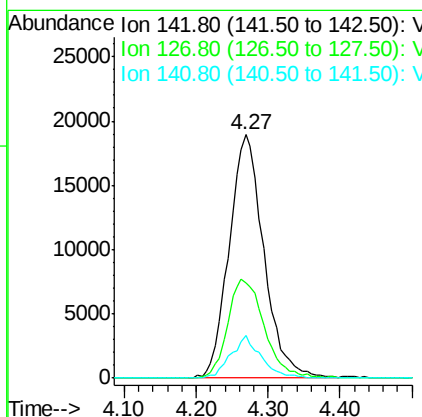
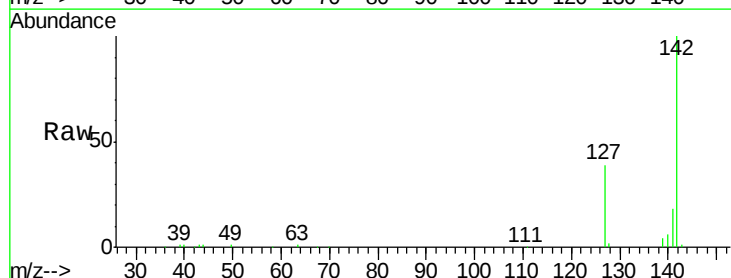
RT: 4.27 min Scan# 388

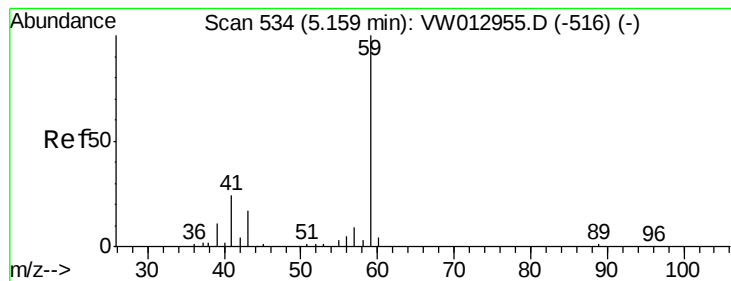
Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion:	142	Resp:	63330
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.7	52.1
141	15.2	12.2	18.2





#11

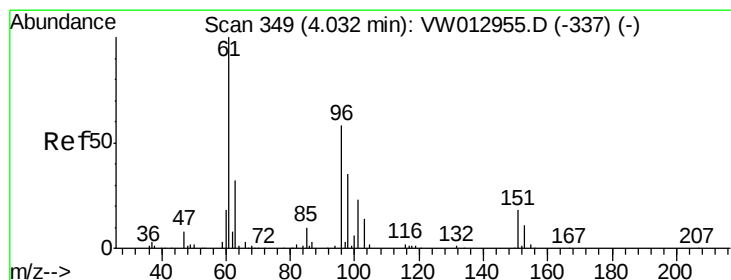
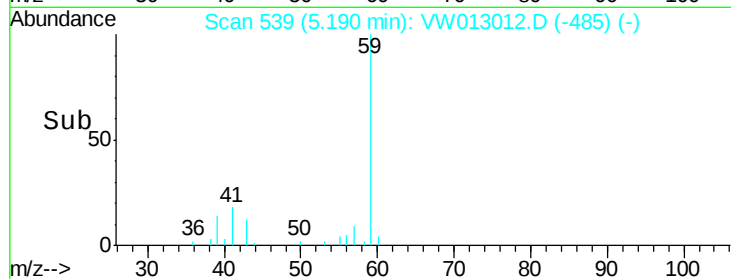
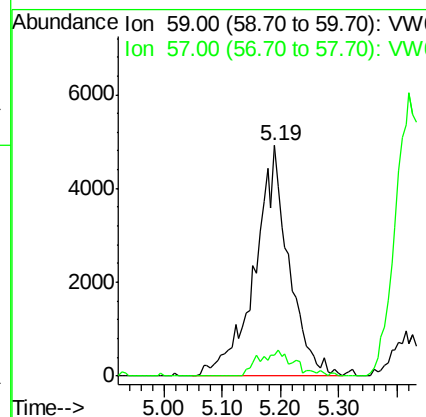
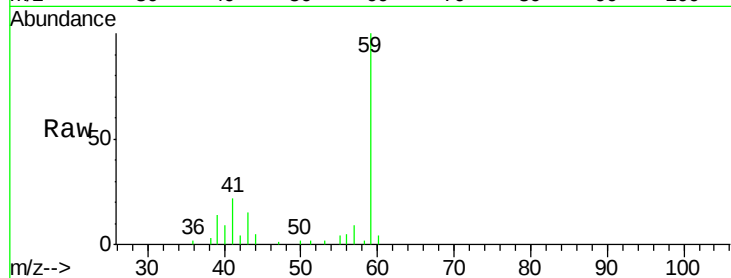
Tert butyl alcohol
 Concen: 93.825 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.03 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	19951		
57	2.5		8.5	12.7#

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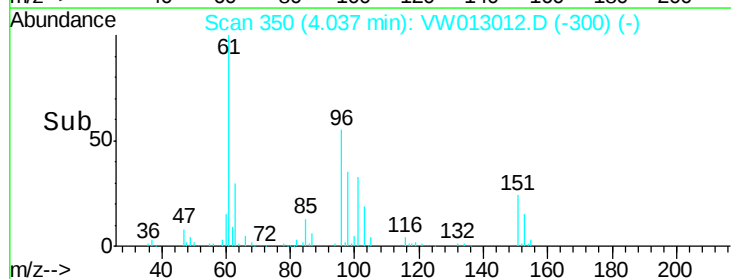
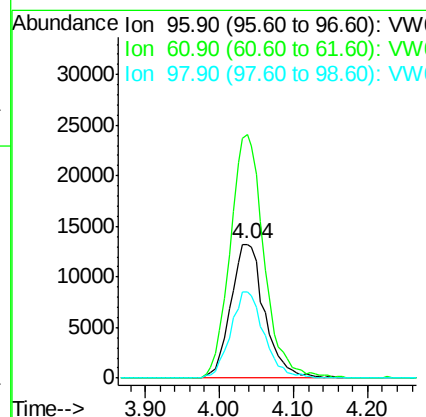
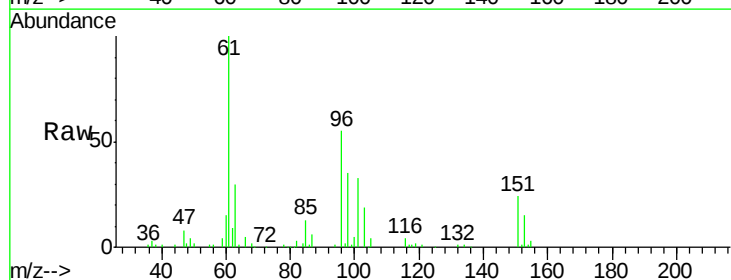
MMDadoda
 9/16/2019 11:14:49 AM

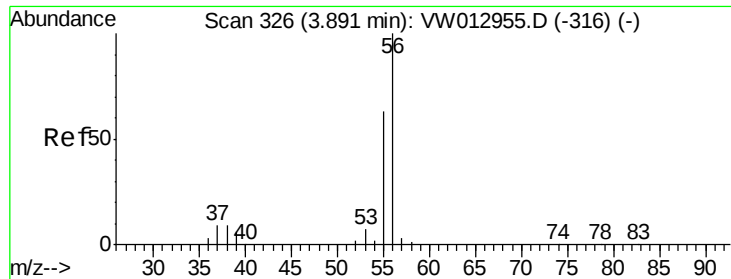


#12

1,1-Dichloroethene
 Concen: 20.365 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	41960		
61	182.0		137.9	206.9
98	64.2		48.9	73.3





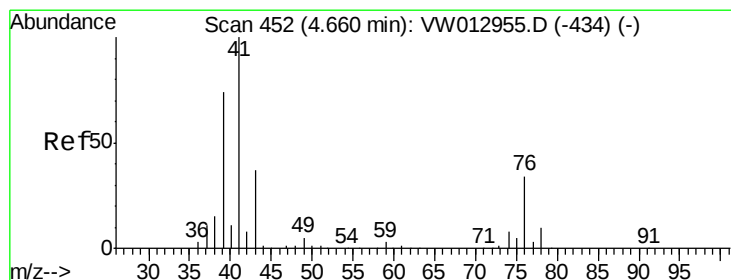
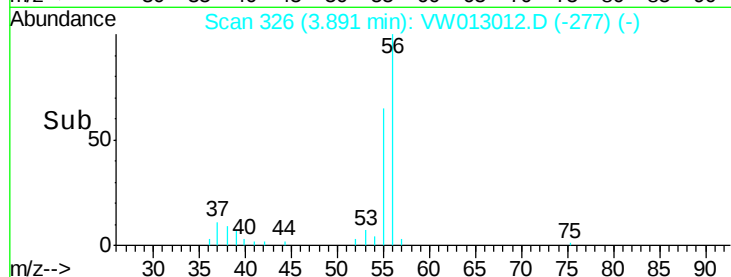
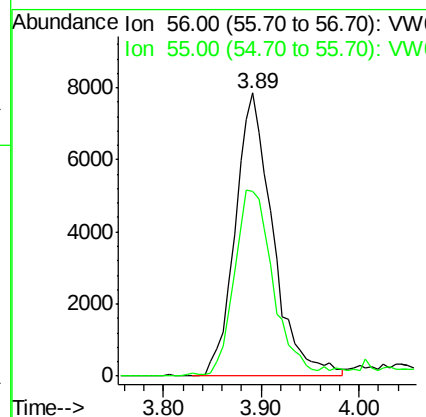
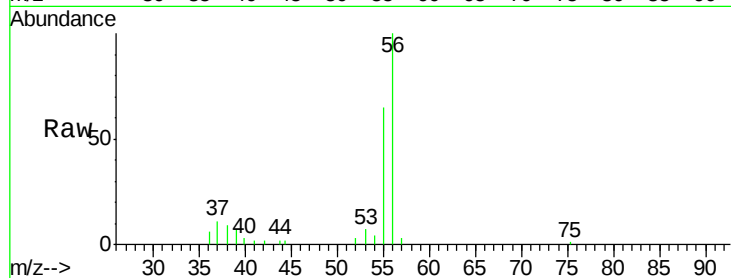
#13
Acrolein
Concen: 98.598 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion	56	55	Ratio	100	65.6	Resp	20901	Lower	55.8	Upper	83.8
Ion	56	55	Ratio	100	65.6	Resp	20901	Lower	55.8	Upper	83.8

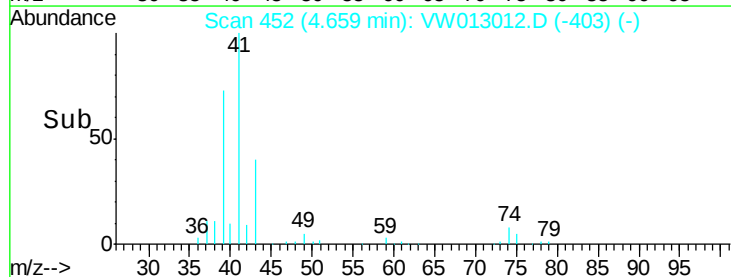
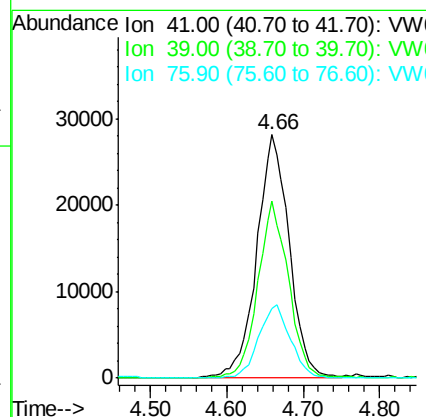
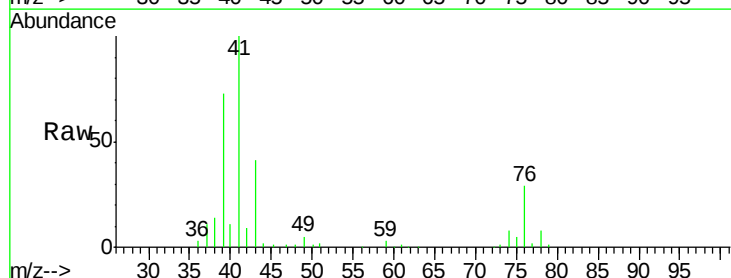
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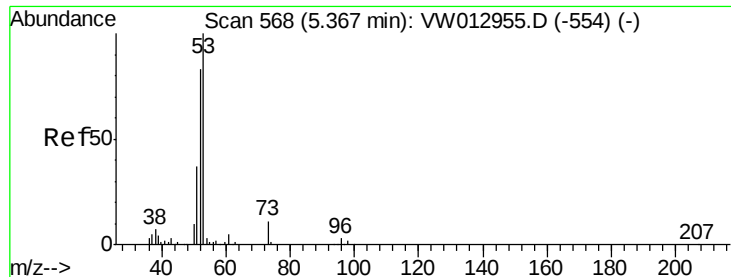
MMDadoda
9/16/2019 11:14:49 AM



#14
Allyl chloride
Concen: 21.367 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	41	39	76	Ratio	100	68.9	29.2	Resp	83578	Lower	56.7	Upper	85.1	37.7
Ion	41	39	76	Ratio	100	68.9	29.2	Resp	83578	Lower	56.7	Upper	85.1	37.7





#15

Acrylonitrile

Concen: 108.084 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

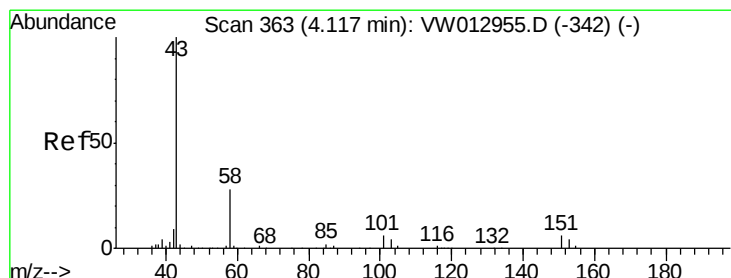
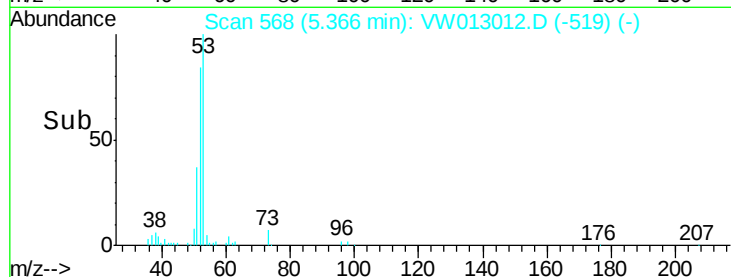
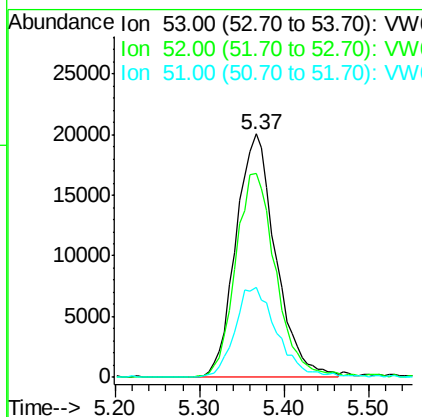
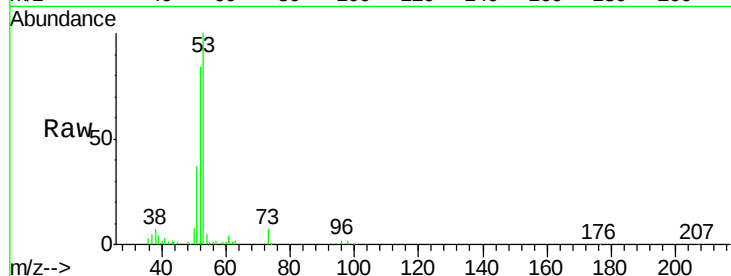
ClientSampleId :

VW0915SBS02

Tot Ion:	53	Resp:	64402
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.6	100.0
51	39.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 75.660 ug/l

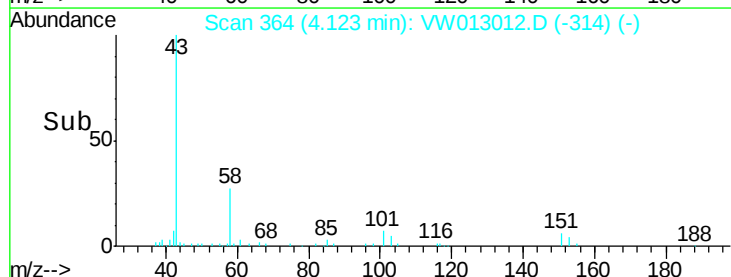
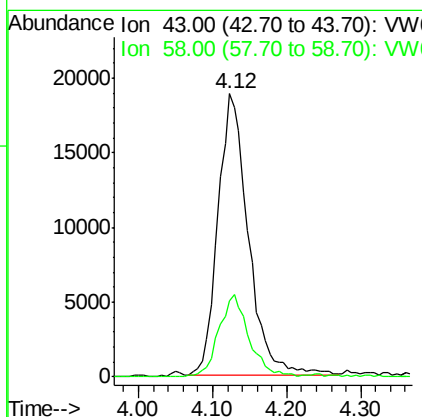
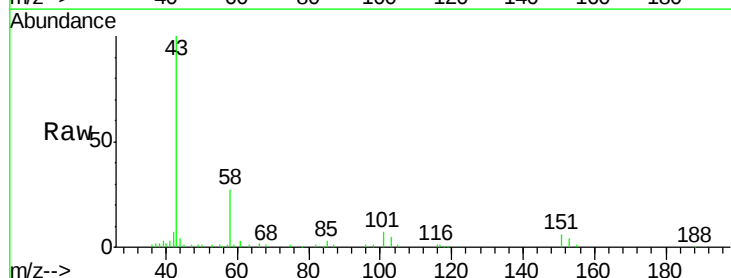
RT: 4.12 min Scan# 364

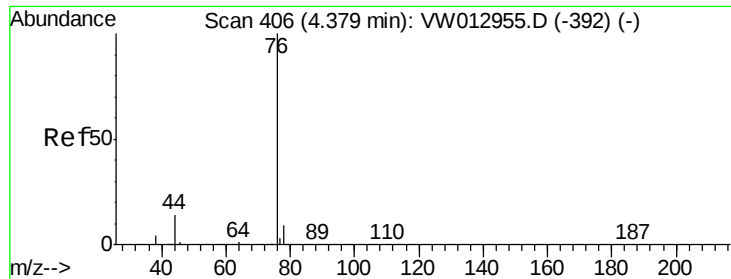
Delta R.T. 0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion:	43	Resp:	53415
Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.3	33.5





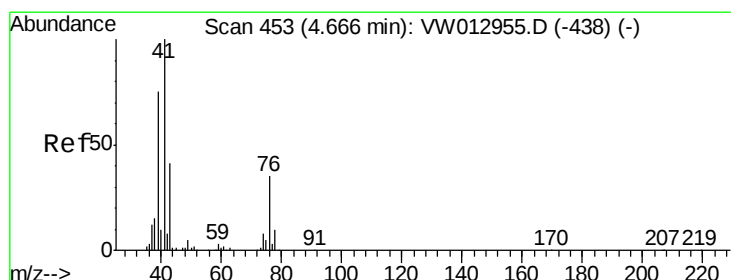
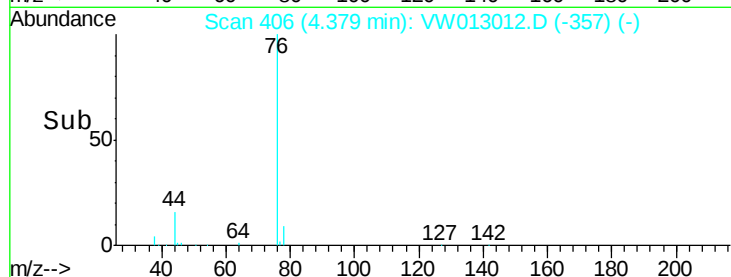
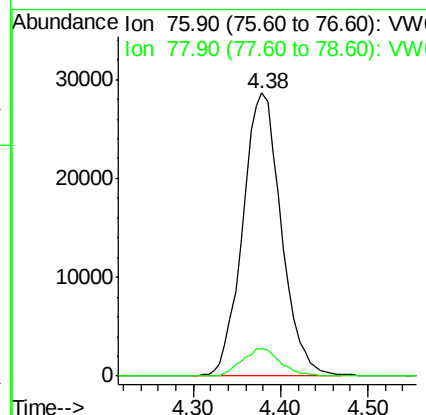
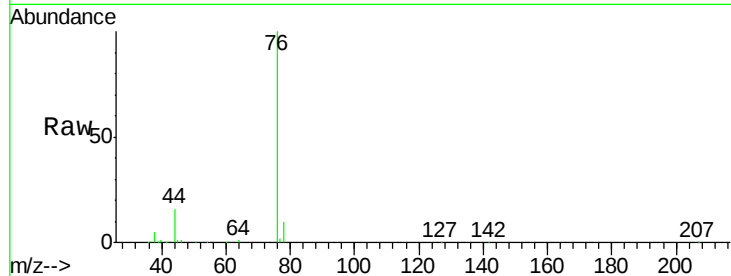
#17
Carbon Disulfide
Concen: 21.351 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.4

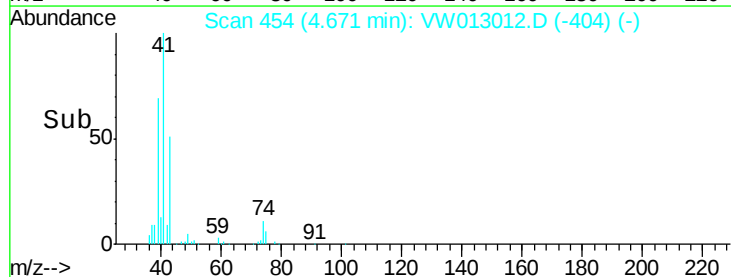
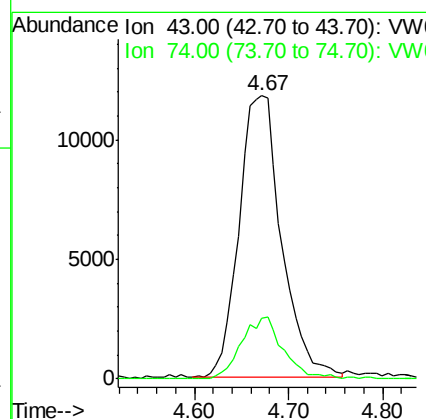
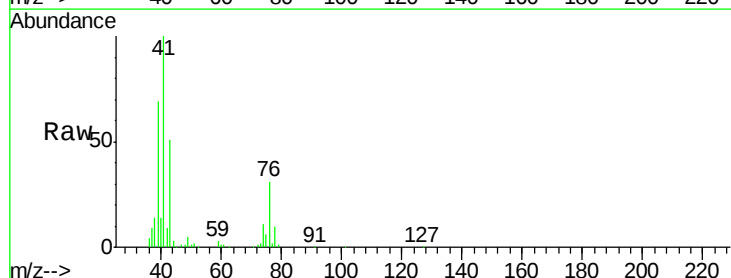
Manual Integrations
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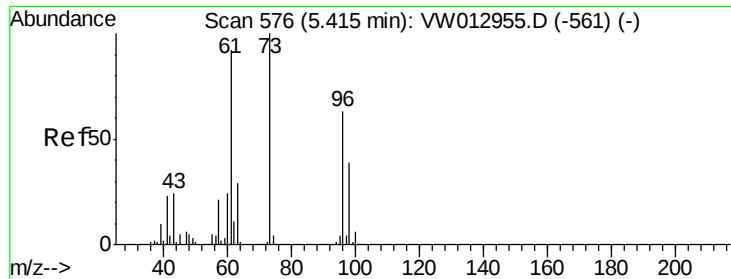
MMDadoda
9/16/2019 11:14:49 AM



#18
Methyl Acetate
Concen: 23.670 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.8	26.8





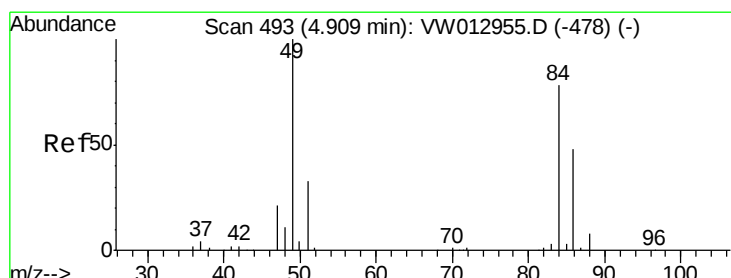
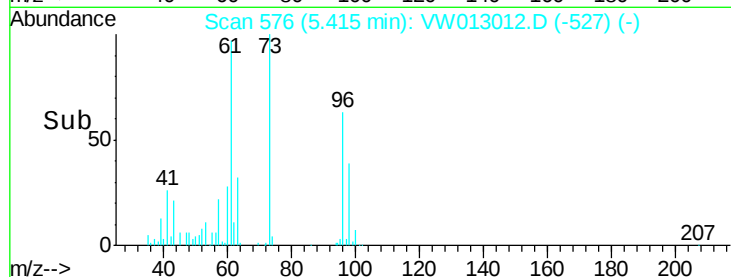
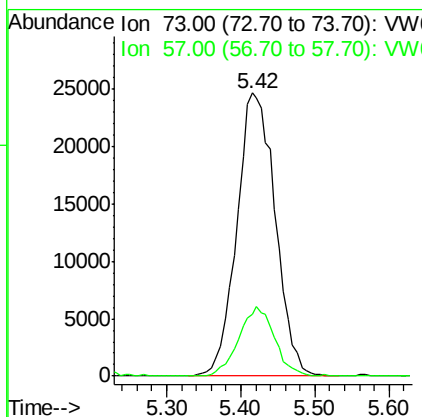
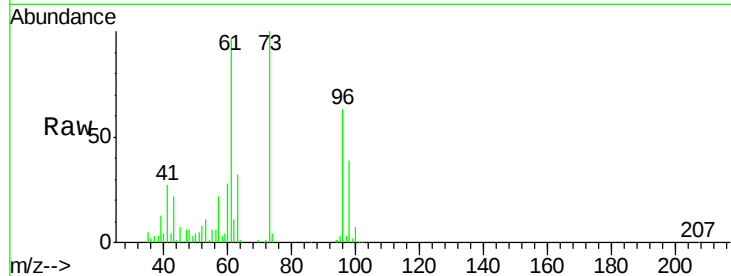
#19
Methvl tert-butvl Ether
Concen: 21.900 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion: 73 Resp: 89070
Ion Ratio Lower Upper
73 100
57 21.7 16.4 24.6

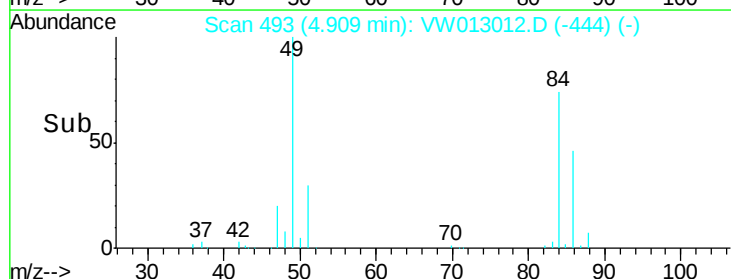
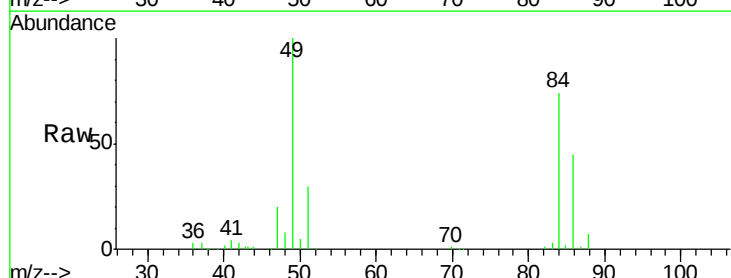
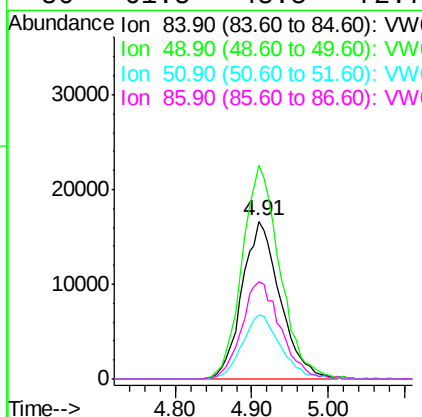
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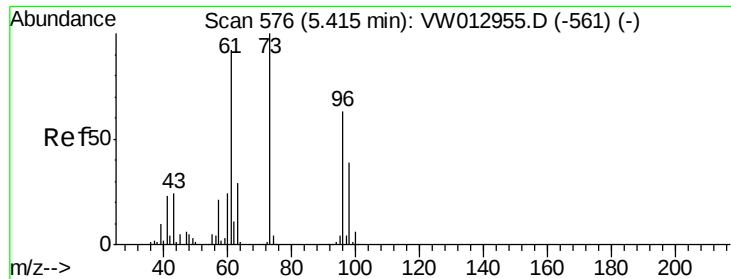
MMDadoda
9/16/2019 11:14:49 AM



#20
Methylene Chloride
Concen: 22.958 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 84 Resp: 57380
Ion Ratio Lower Upper
84 100
49 135.4 102.0 153.0
51 40.2 34.0 51.0
86 61.5 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.495 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 96 Resp: 45229

Ion Ratio Lower Upper

96 100

61 155.0 116.2 174.2

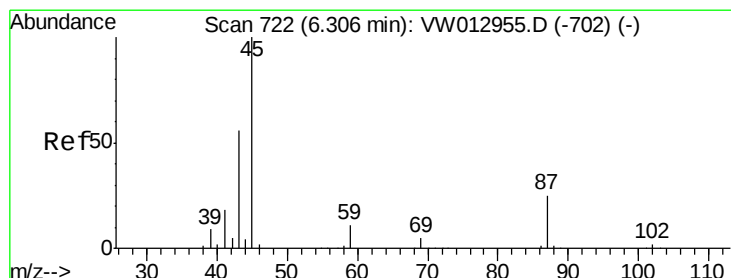
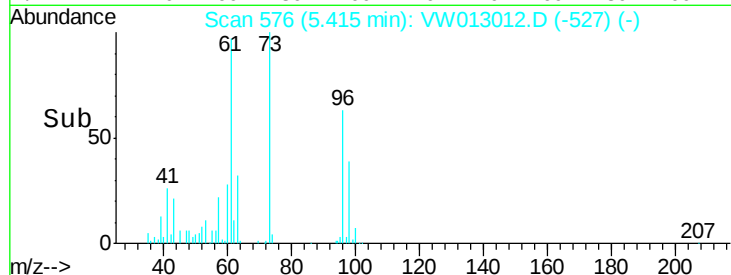
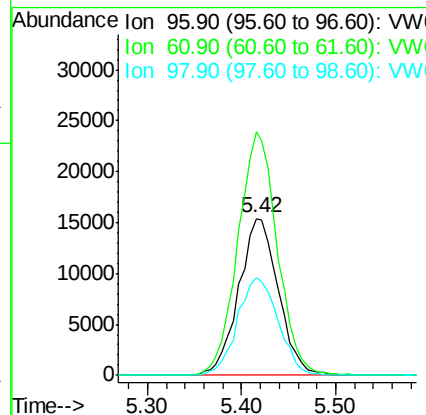
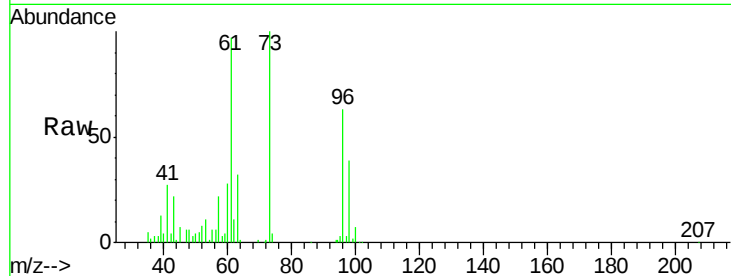
98 62.3 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.176 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion: 45 Resp: 180206

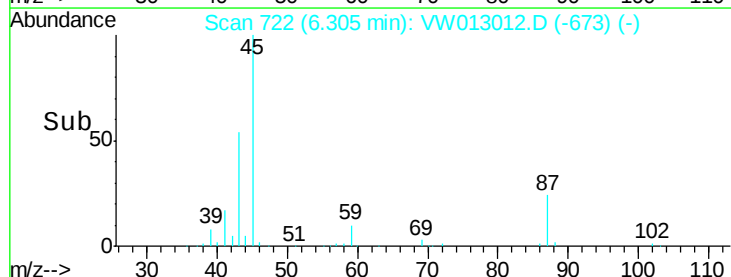
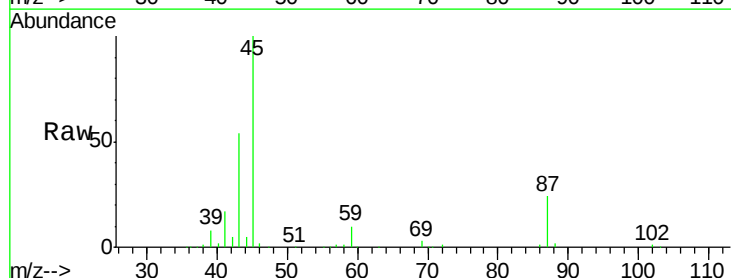
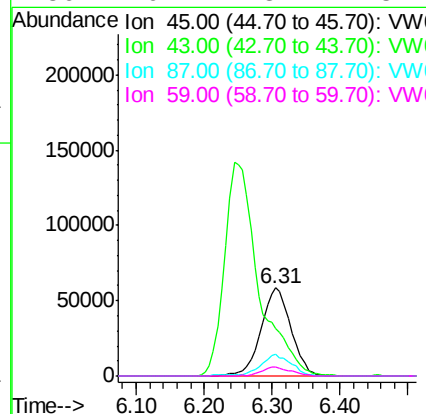
Ion Ratio Lower Upper

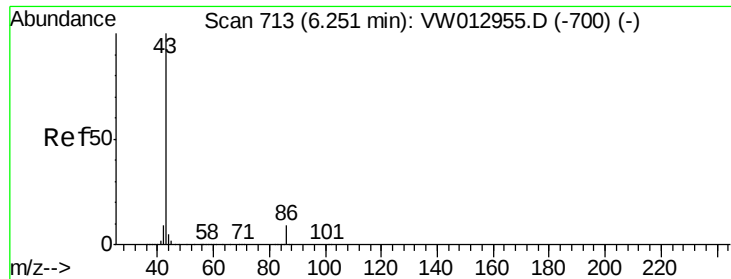
45 100

43 54.3 44.6 67.0

87 24.2 20.0 30.0

59 10.1 8.7 13.1





#23

Vinyl Acetate

Concen: 101.791 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 43 Resp: 495414

Ion Ratio Lower Upper

43 100

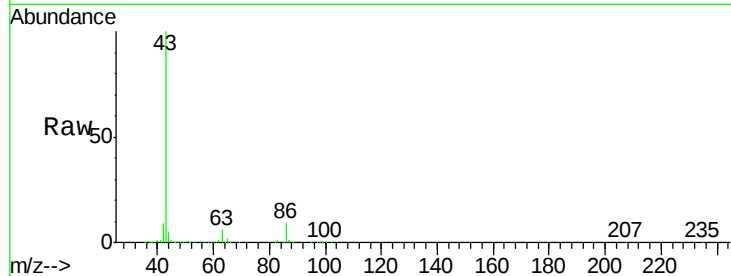
86 8.8 7.0 10.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

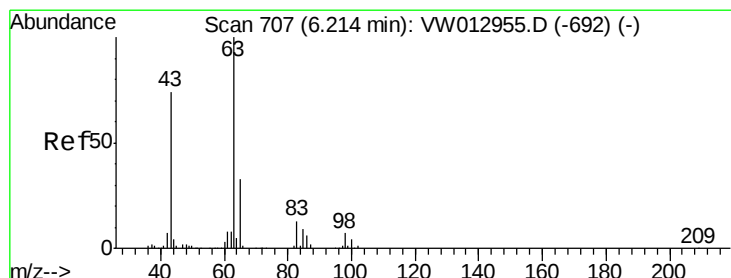
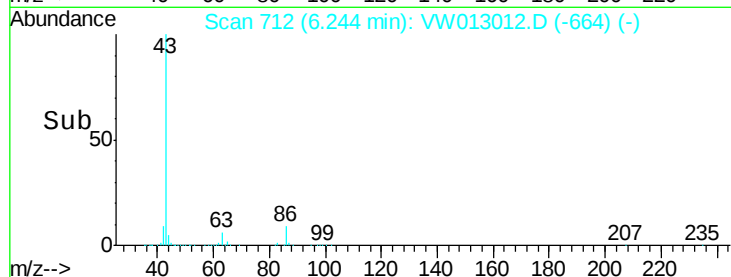
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.225 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

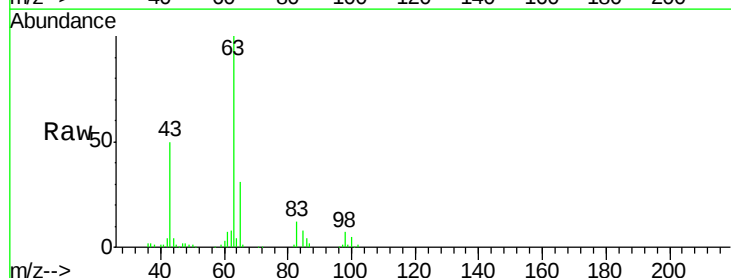
Tgt Ion: 63 Resp: 99443

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.9

100 4.9 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

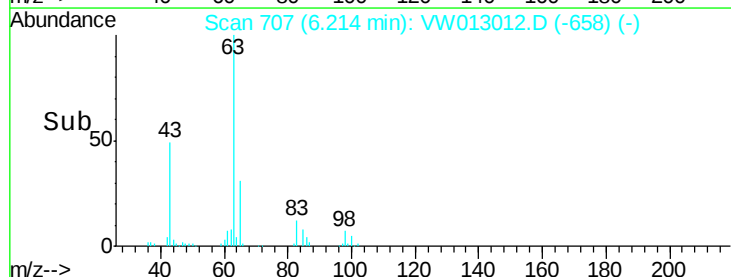
30000

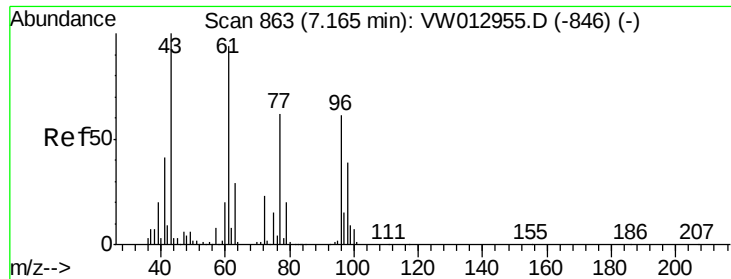
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.788 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 43 Resp: 86599

Ion Ratio Lower Upper

43 100

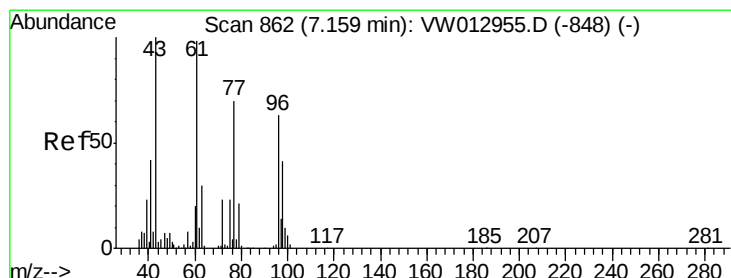
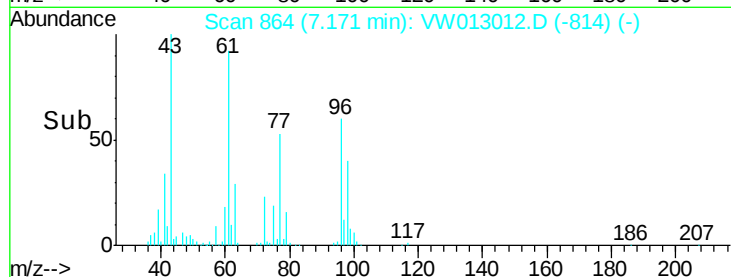
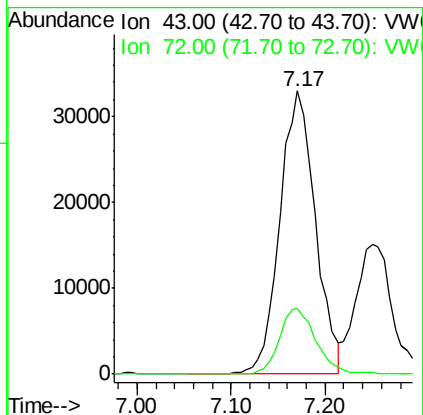
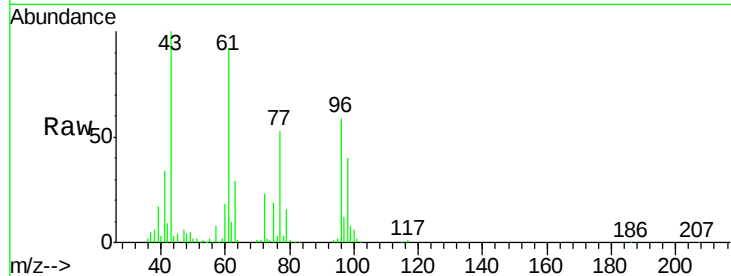
72 23.3 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.019 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013012.D

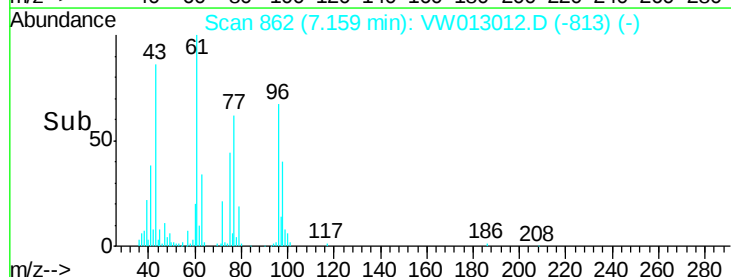
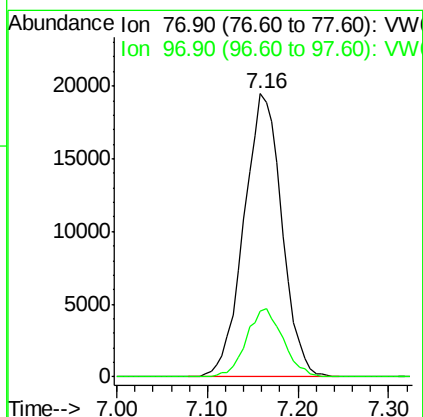
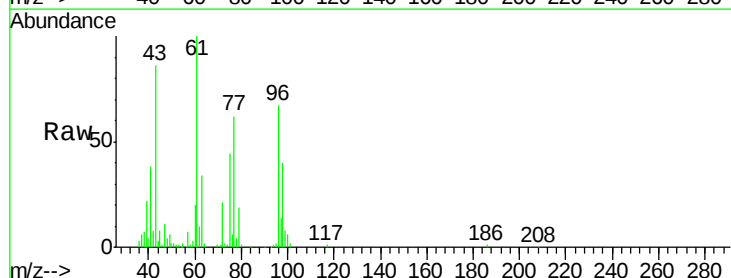
Acq: 15 Sep 2019 00:59

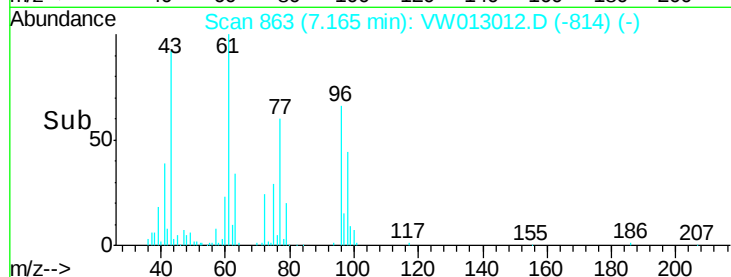
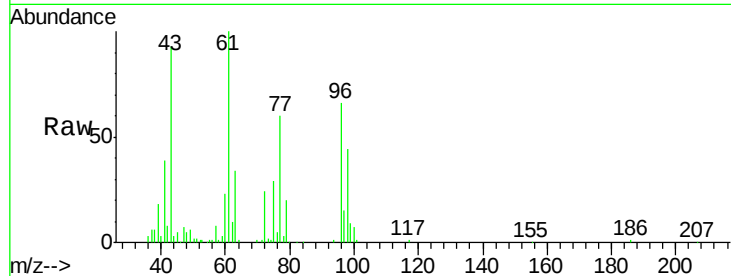
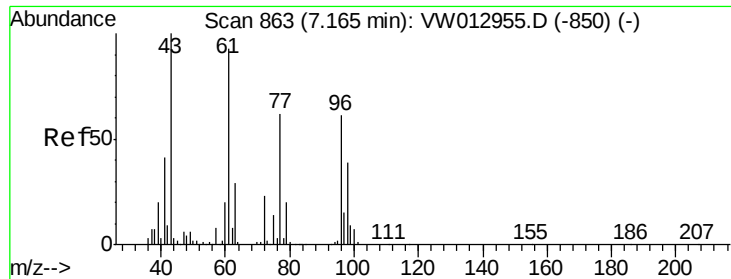
Tgt Ion: 77 Resp: 56392

Ion Ratio Lower Upper

77 100

97 23.2 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 21.307 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013012.D

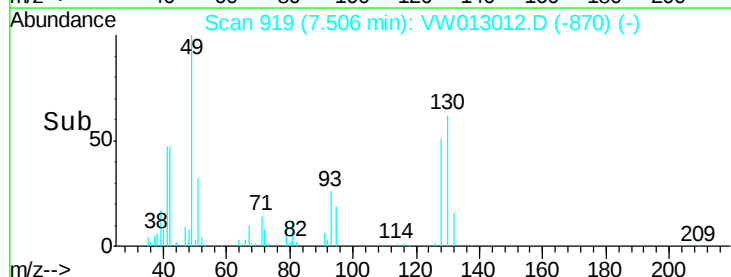
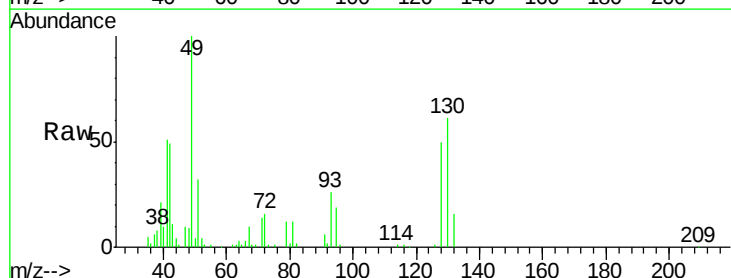
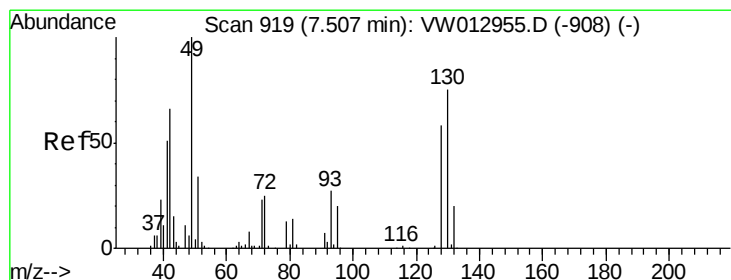
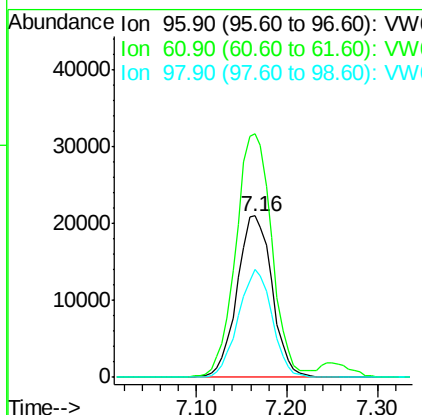
Acq: 15 Sep 2019 00:59

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	315.4
98	64.5	0.0	131.0

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

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#28

Bromochloromethane

Concen: 21.229 ug/l

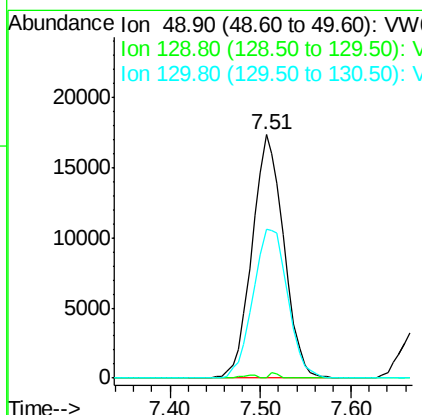
RT: 7.51 min Scan# 919

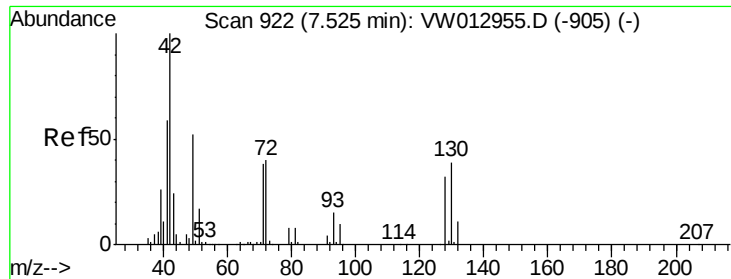
Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.4
130	66.9	57.8	86.6





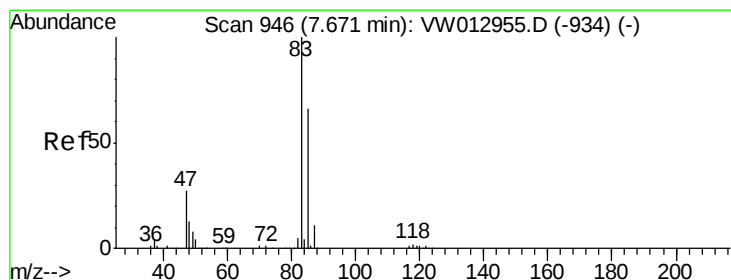
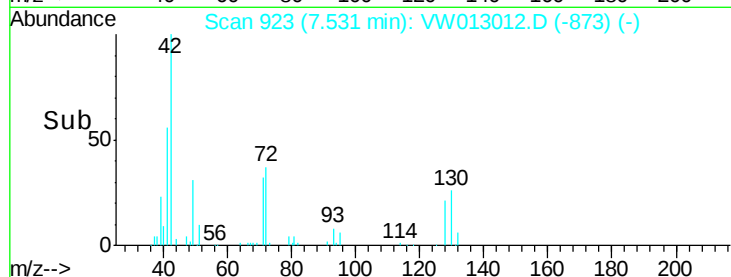
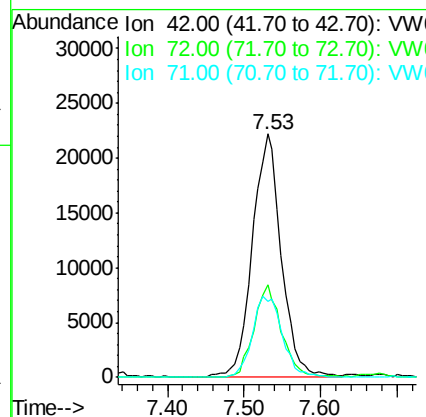
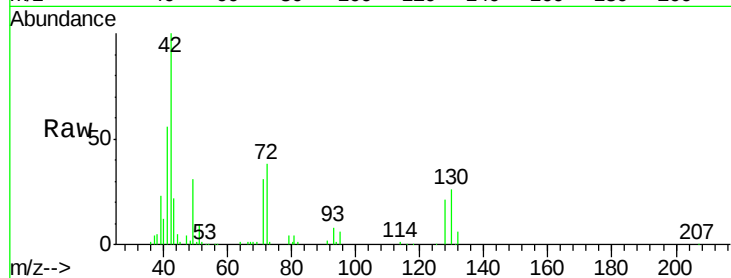
#29
Tetrahydrofuran
Concen: 117.294 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	31.4	47.0
71	34.4	29.8	44.8

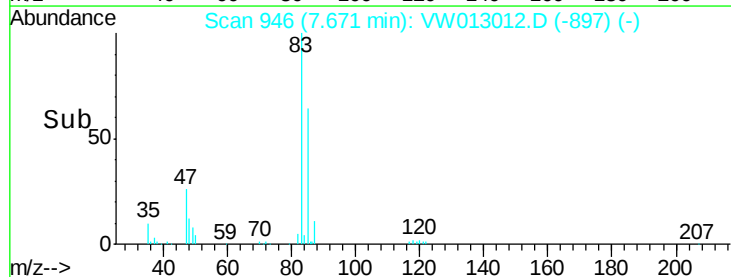
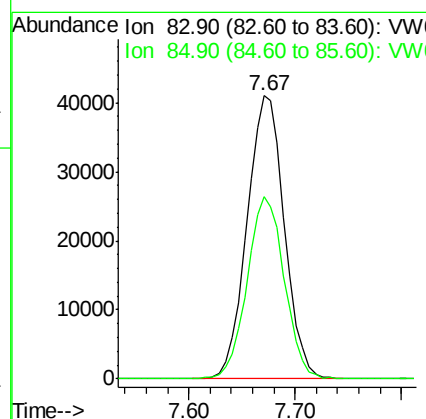
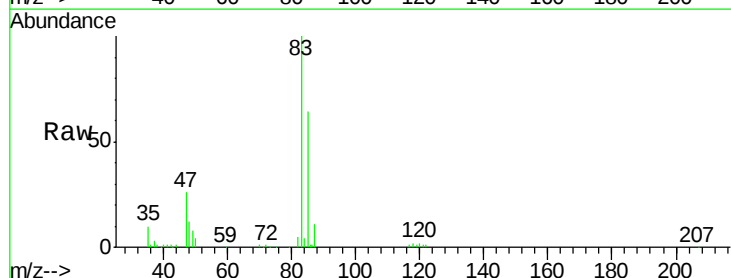
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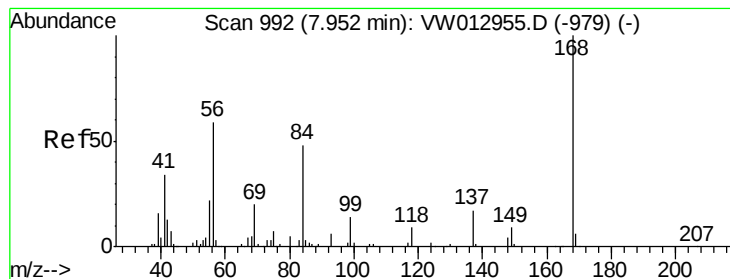
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#30
Chloroform
Concen: 21.134 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.8	79.2





#31

Cvclohexane

Concen: 20.342 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

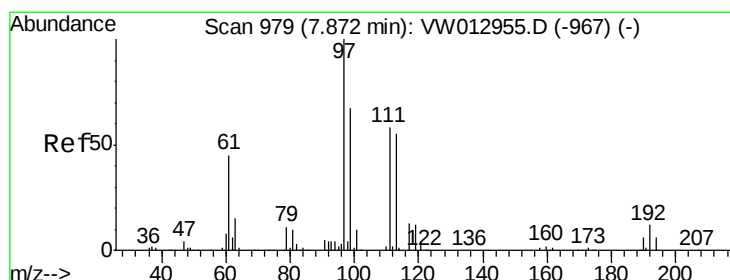
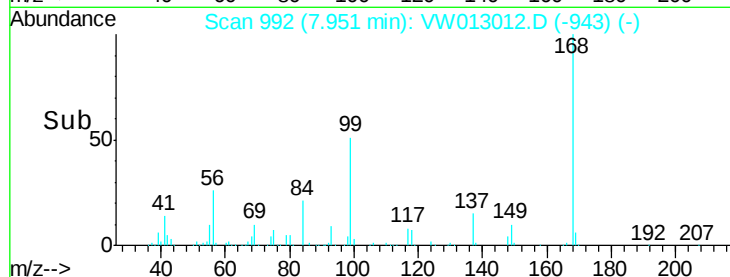
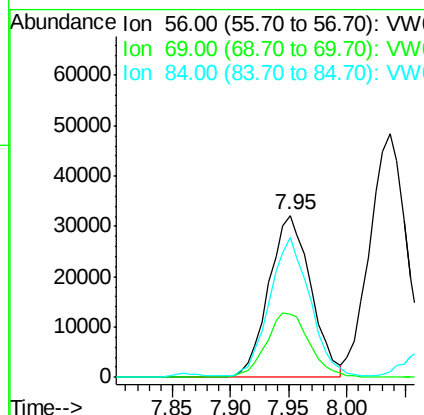
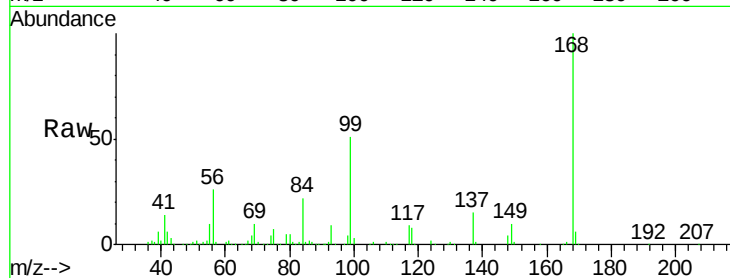
ClientSampleId :

VW0915SBS02

Tot Ion:	56	Resp:	80412
Ion Ratio	Lower	Upper	
56	100		
69	39.0	27.0	40.6
84	84.8	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 20.016 ug/l

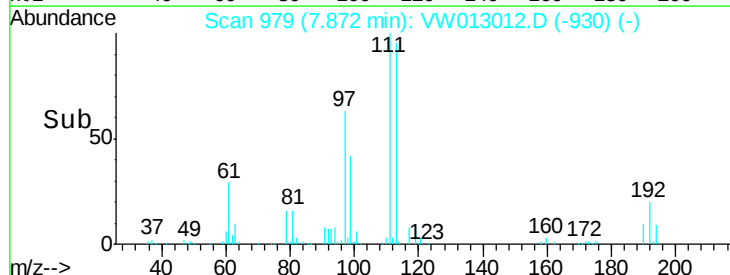
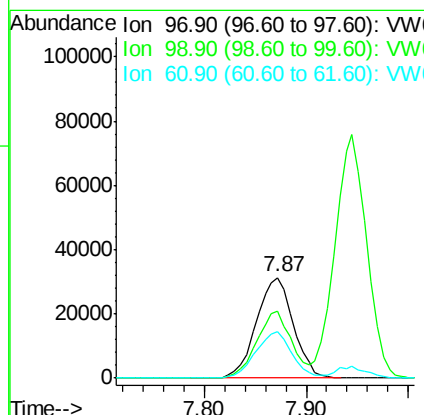
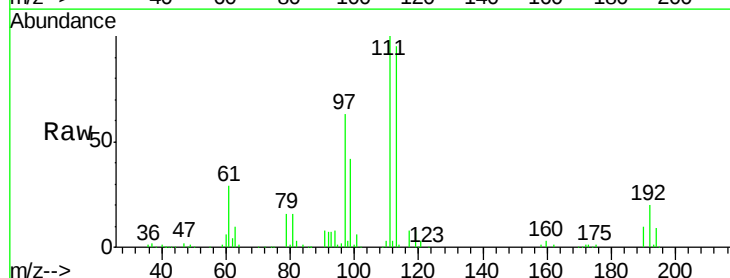
RT: 7.87 min Scan# 979

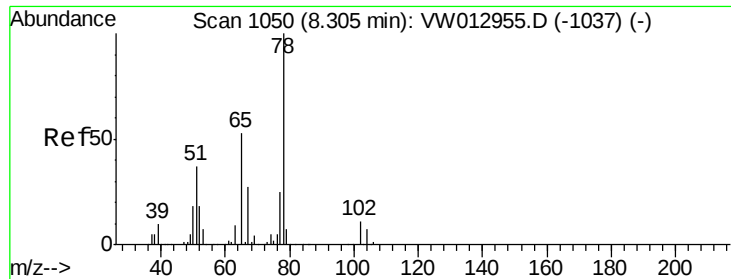
Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion:	97	Resp:	78469
Ion Ratio	Lower	Upper	
97	100		
99	63.4	53.0	79.4
61	45.1	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 56.630 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 65 Resp: 156121

Ion Ratio Lower Upper

65 100

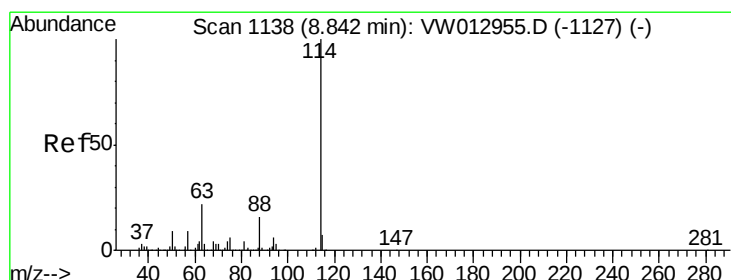
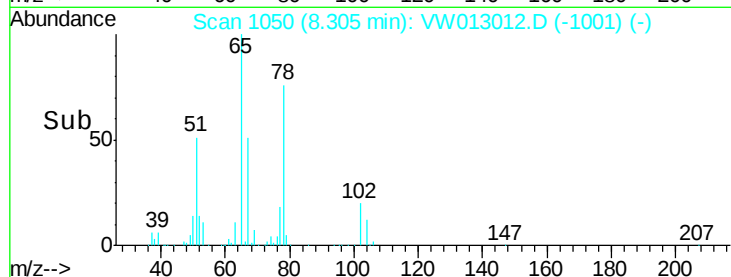
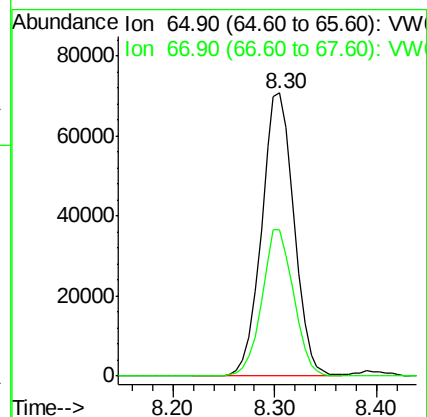
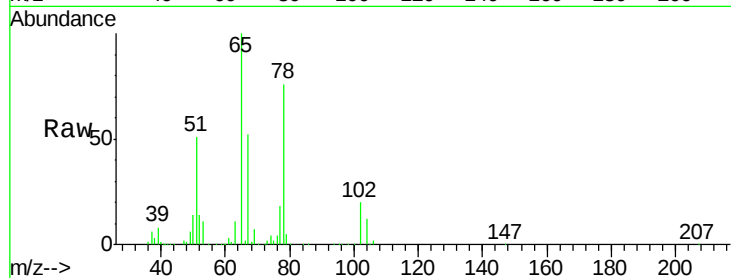
67 50.7 0.0 101.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

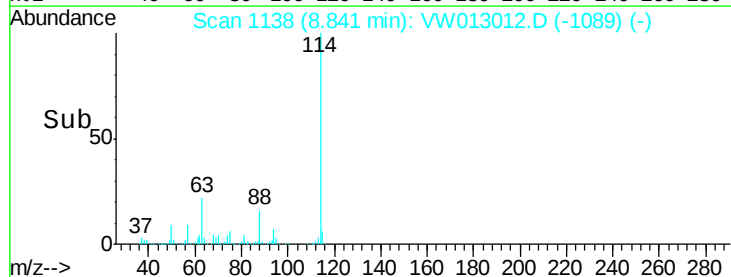
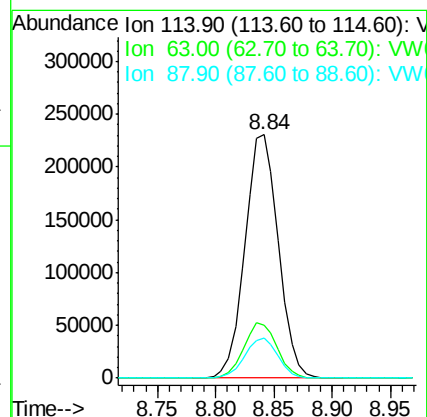
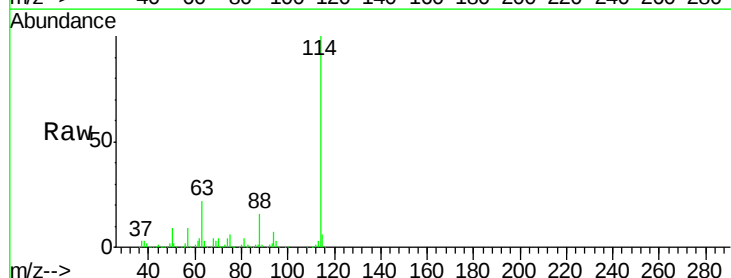
Tgt Ion: 114 Resp: 461336

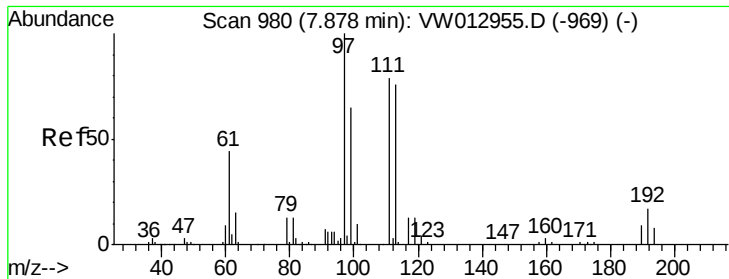
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

88 16.3 0.0 31.6





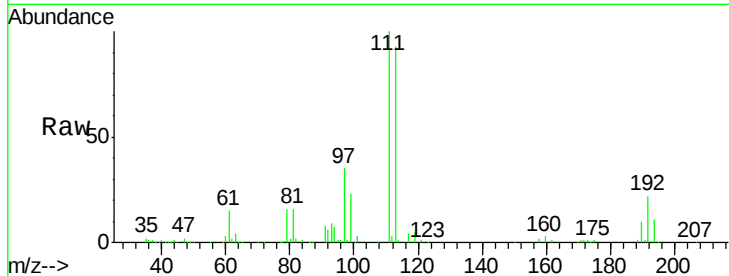
#35
 Dibromofluoromethane
 Concen: 51.616 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

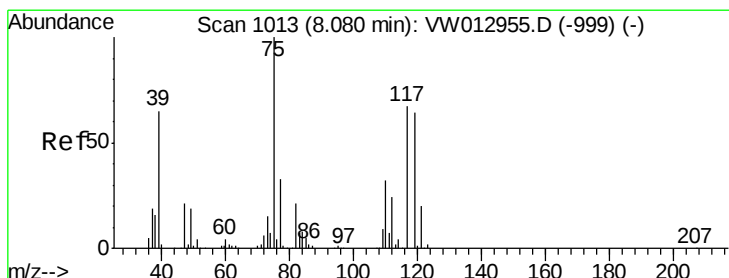
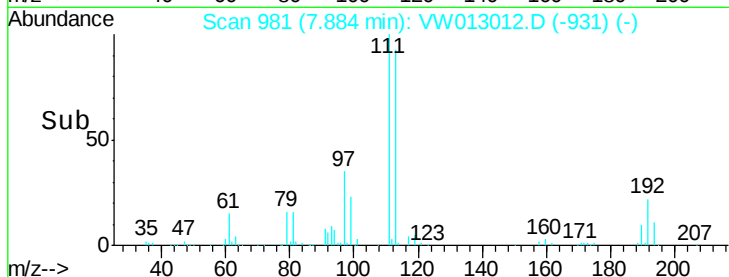
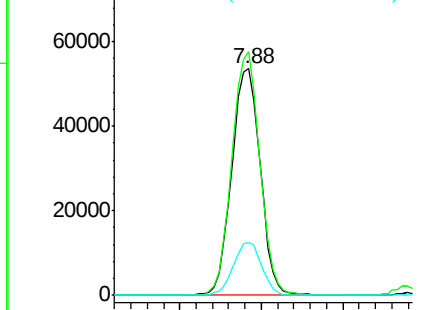
Tot Ion	Ratio	Resp	Lower	Upper
113	100	129208		
111	105.5	82.8	124.2	
192	23.1	17.8	26.8	

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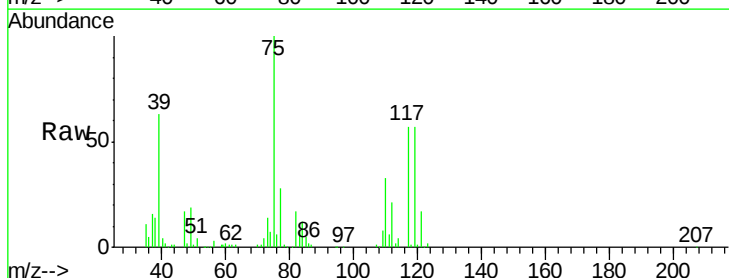


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

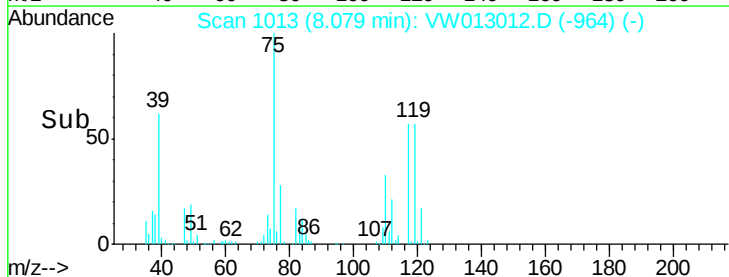
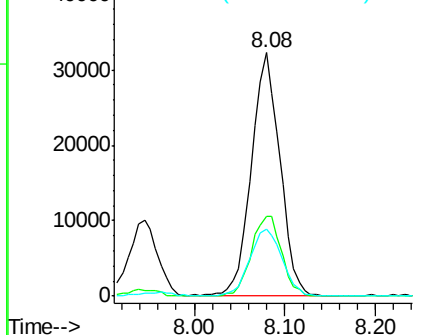


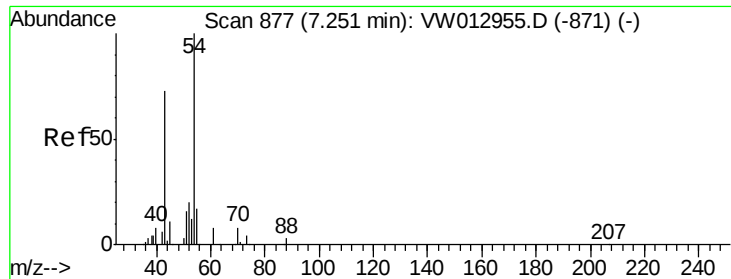
#36
 1,1-Dichloropropene
 Concen: 19.189 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70740		
110	34.4	16.4	49.1	
77	31.0	25.1	37.7	



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





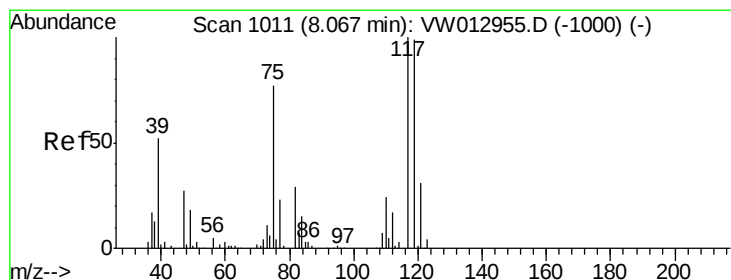
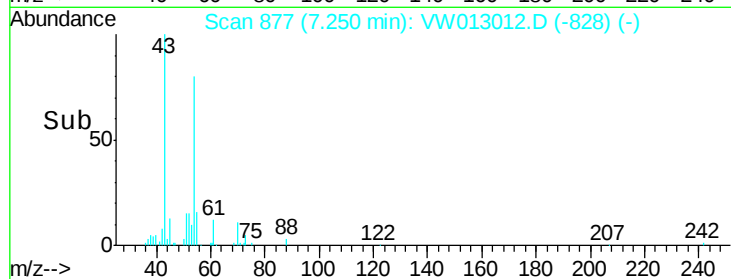
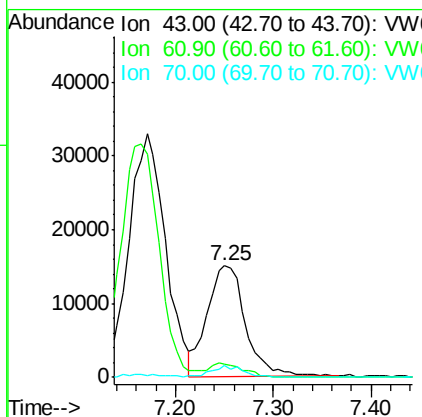
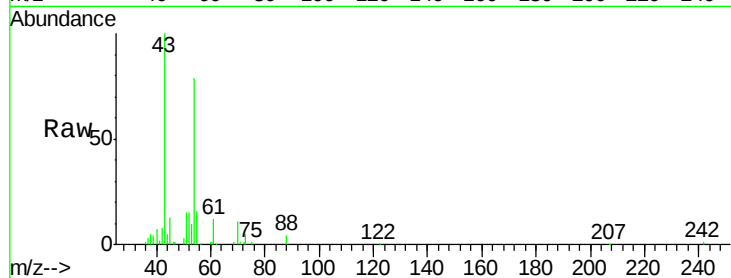
#37
Ethyl Acetate
Concen: 20.902 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.6	14.4
70	8.8	7.6	11.4

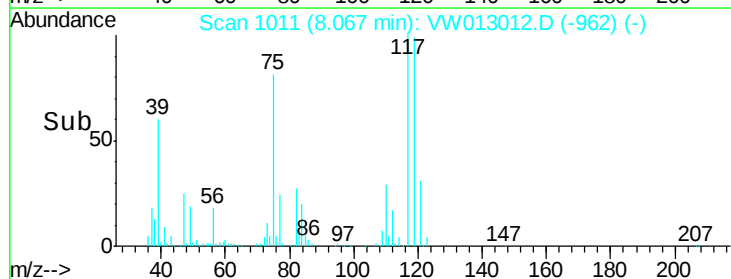
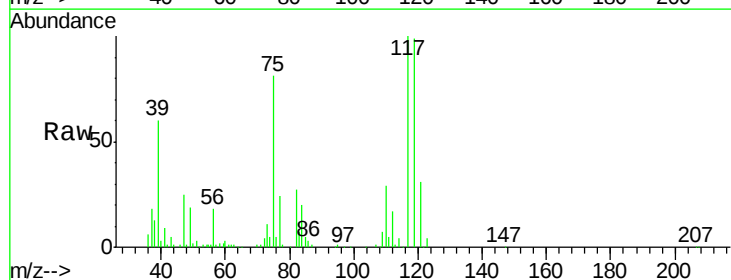
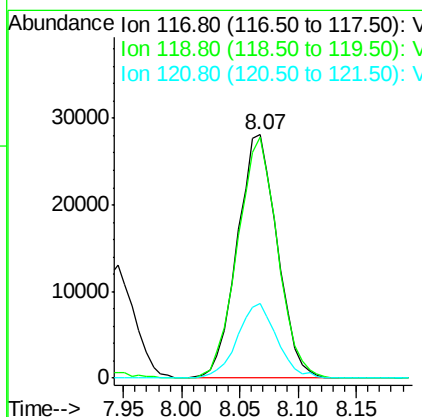
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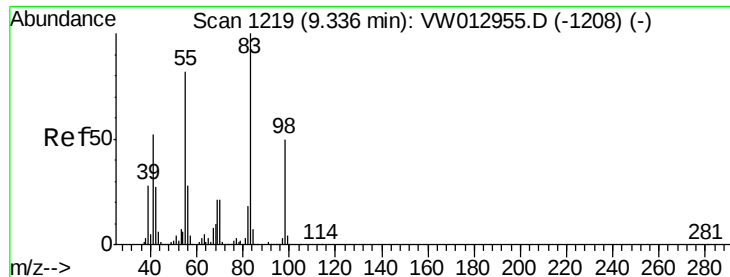
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#38
Carbon Tetrachloride
Concen: 17.820 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	79.4	119.0
121	30.9	24.6	36.8





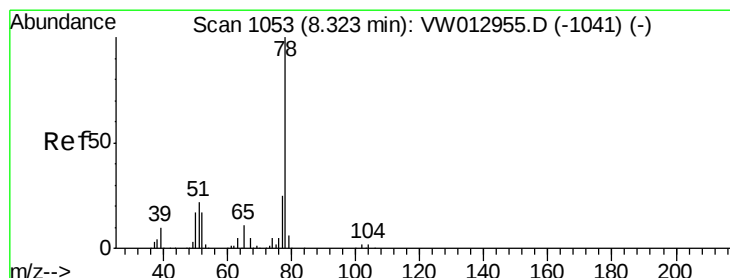
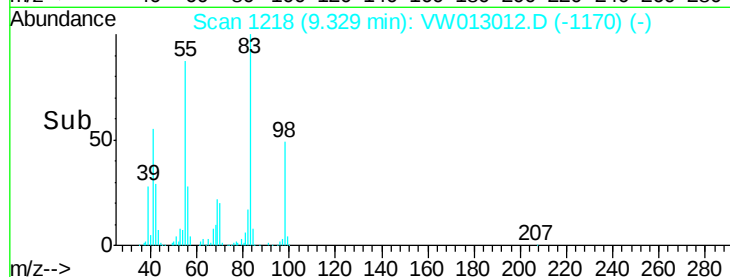
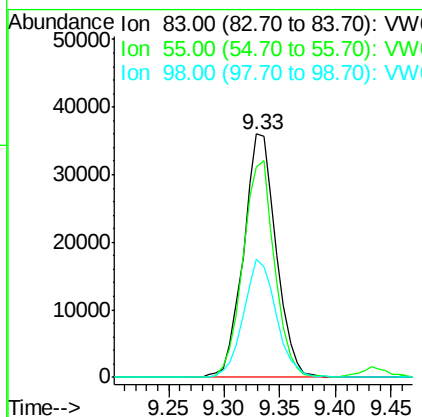
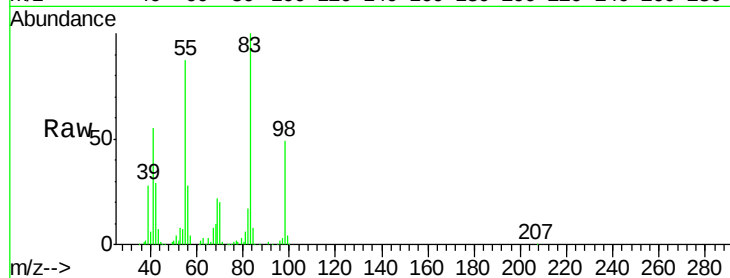
#39
Methylvlcvclohexane
Concen: 18.176 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	65.9	98.9
98	48.7	39.6	59.4

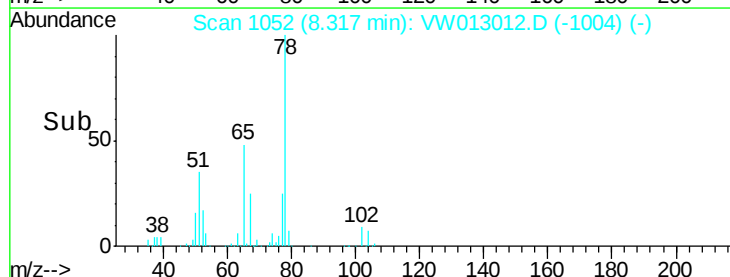
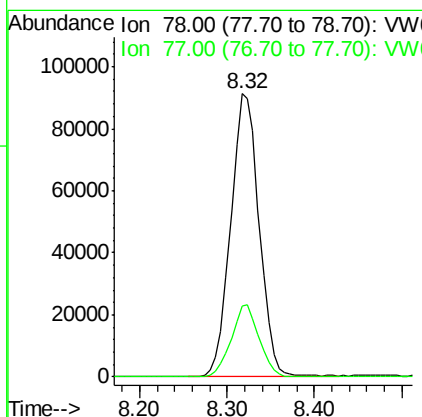
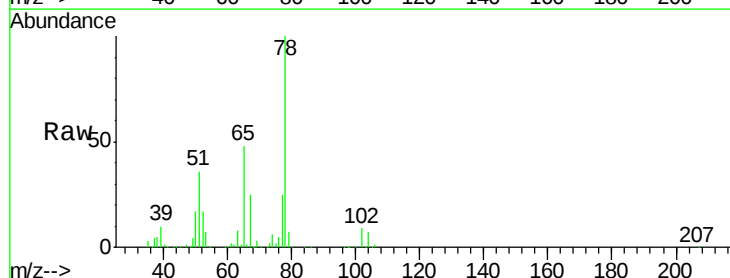
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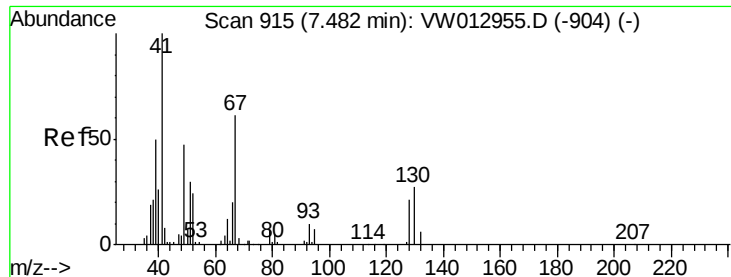
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#40
Benzene
Concen: 20.094 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.6	29.4





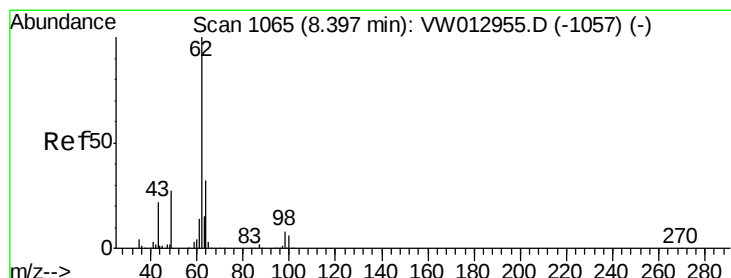
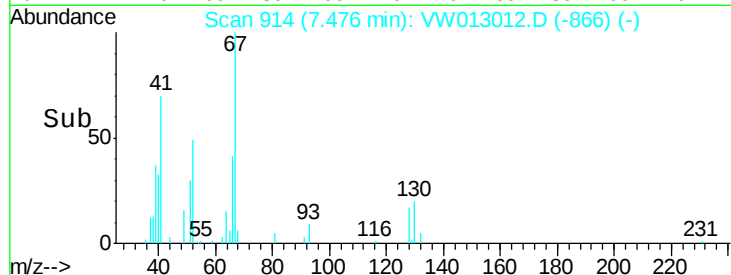
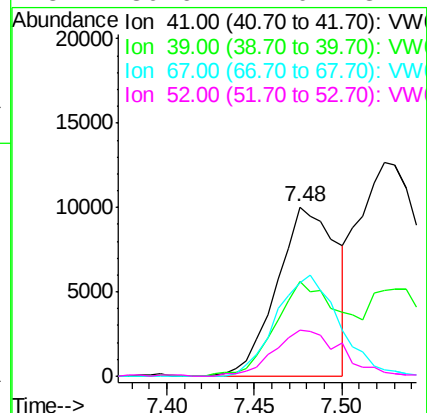
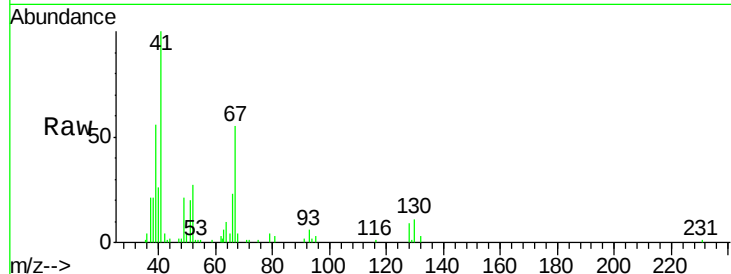
#41
Methacrylonitrile
Concen: 18.544 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		23896		
39	65.7	48.2	72.4		
67	64.3	47.5	71.3		
52	30.6	21.0	31.4		

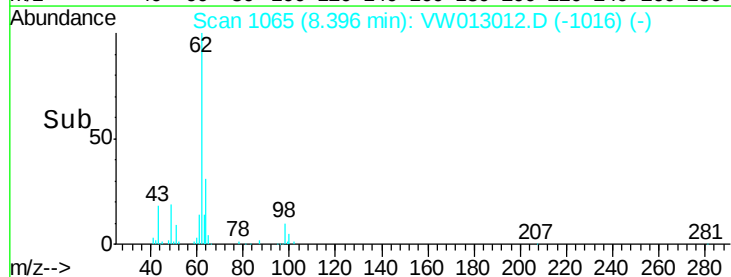
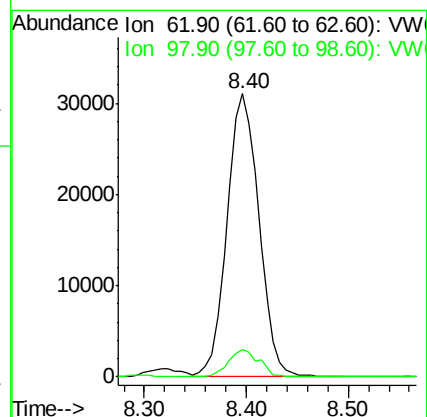
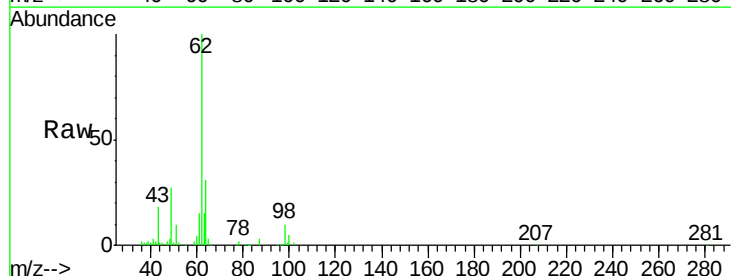
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#42
1,2-Dichloroethane
Concen: 19.527 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		67367		
98	9.3	0.0	16.8		





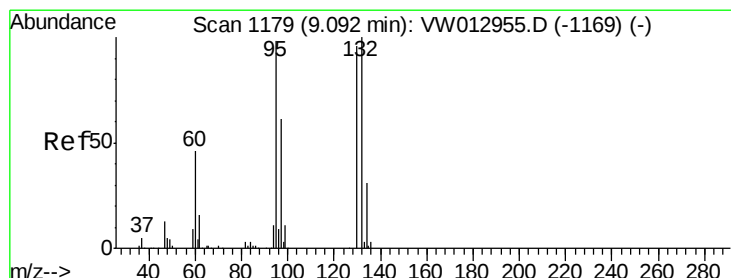
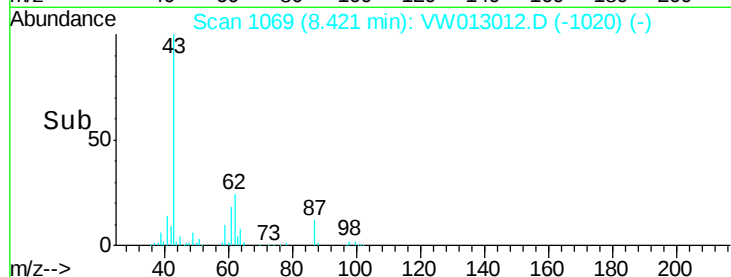
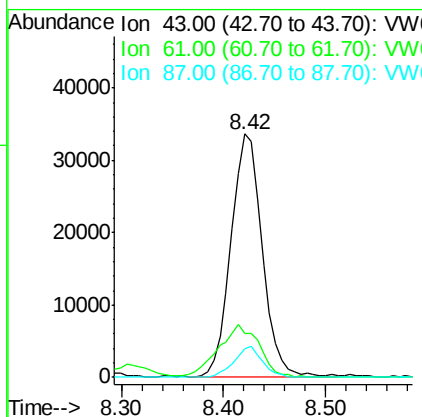
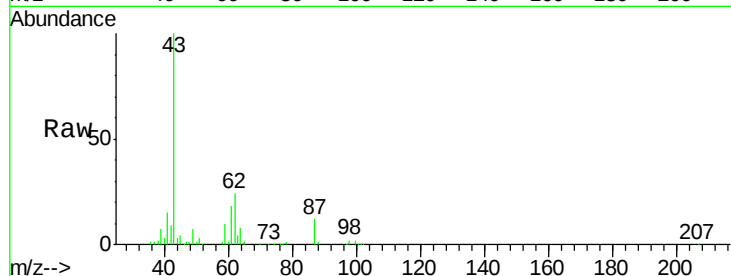
#43
Isopropyl Acetate
Concen: 18.813 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion:	43	Resp:	70681
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.7	34.1
87	11.9	9.4	14.2

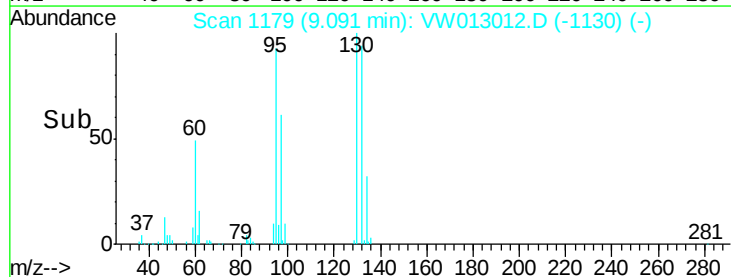
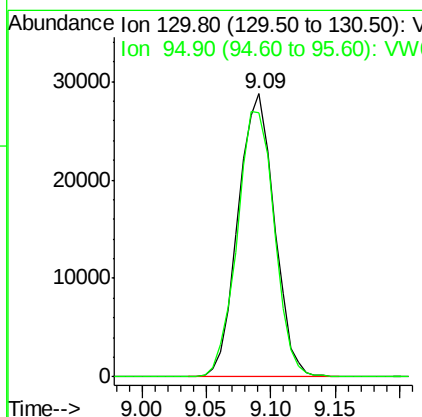
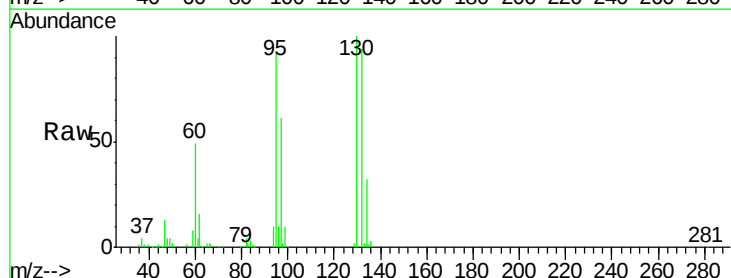
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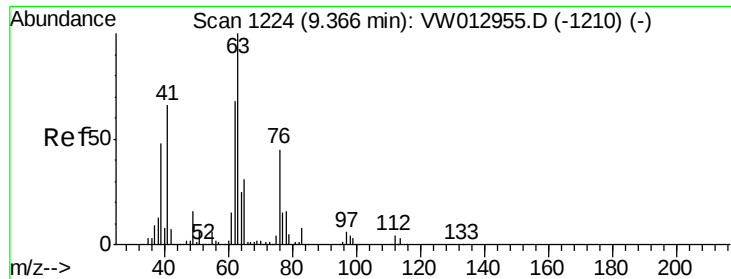
MMDadoda
9/16/2019 11:14:49 AM



#44
Trichloroethene
Concen: 19.914 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion:	130	Resp:	56136
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	204.4





#45

1,2-Dichloropropane

Concen: 19.683 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS02

Tot Ion: 63 Resp: 53820

Ion Ratio Lower Upper

63 100

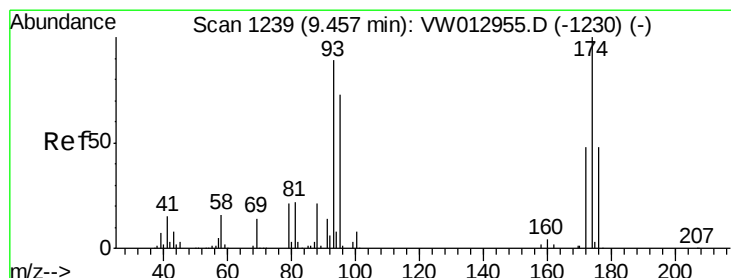
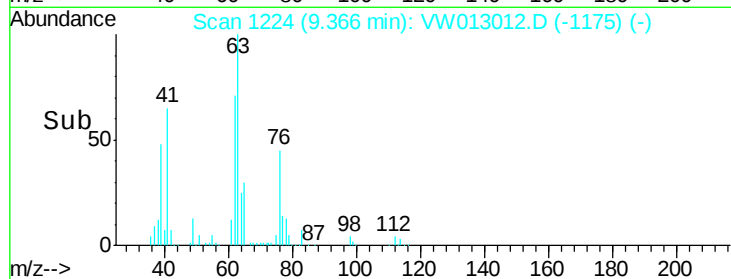
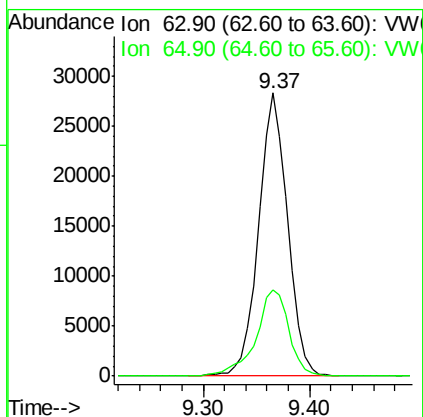
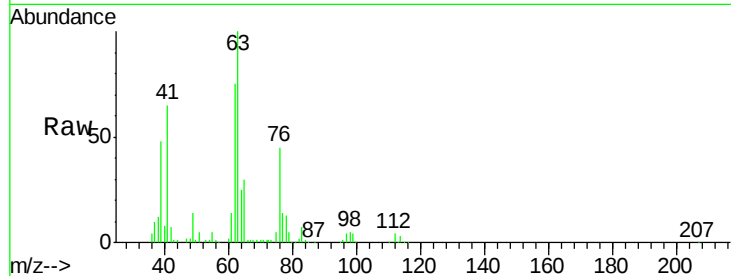
65 30.3 24.6 37.0

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#46

Dibromomethane

Concen: 19.825 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

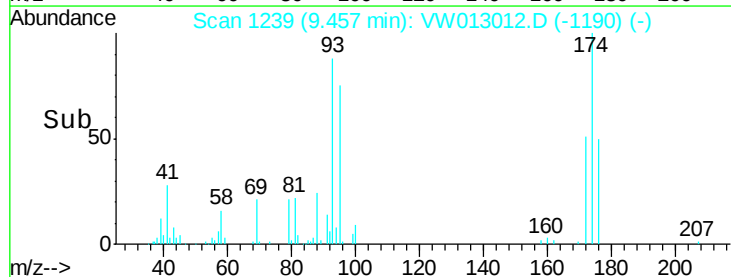
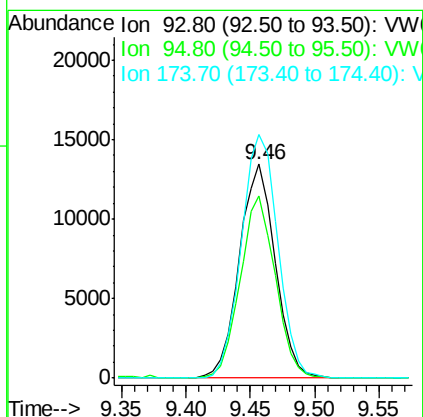
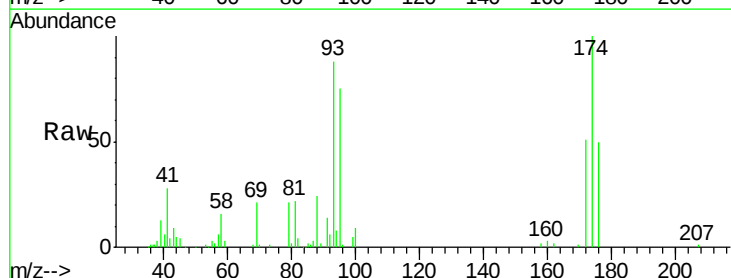
Tgt Ion: 93 Resp: 25971

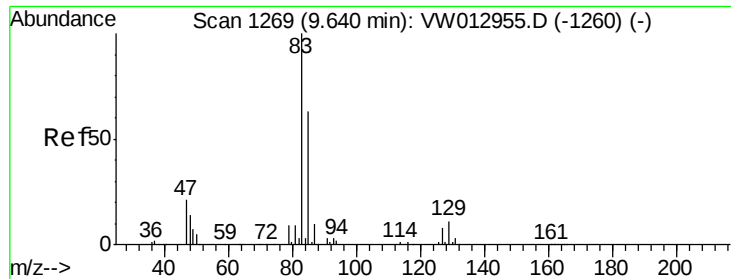
Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.4

174 115.9 90.5 135.7





#47

Bromodichloromethane

Concen: 19.829 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

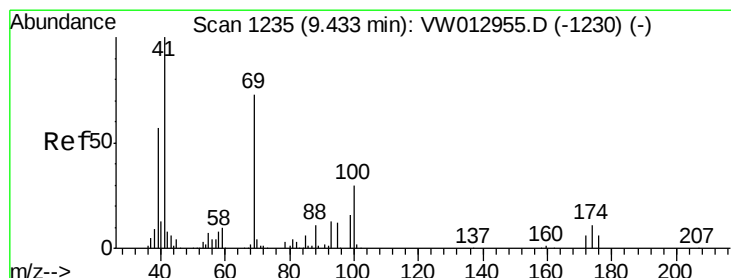
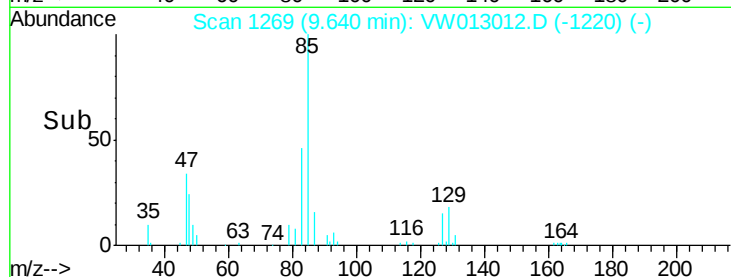
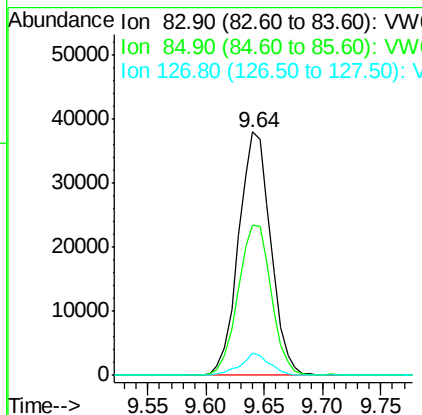
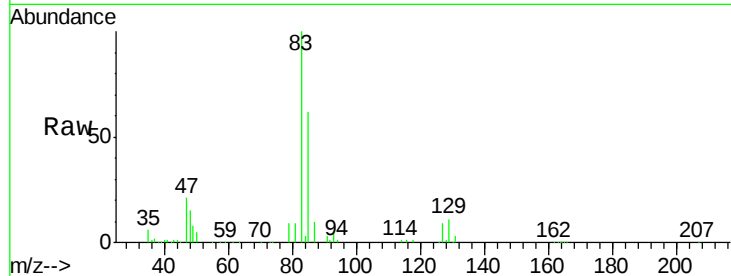
ClientSampleId :

VW0915SBS02

Tot Ion:	83	Resp:	72863
Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	75.8
127	9.1	6.7	10.1

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#48

Methyl methacrylate

Concen: 19.682 ug/l

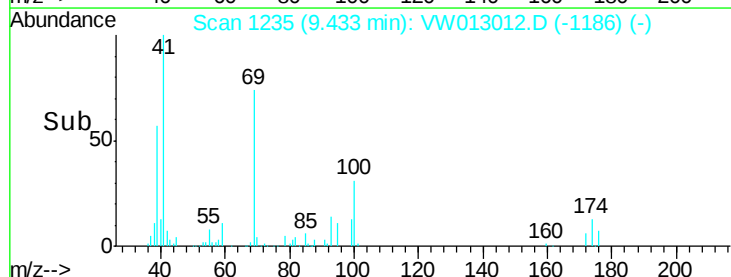
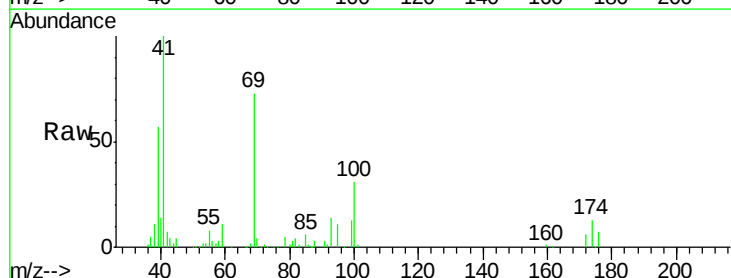
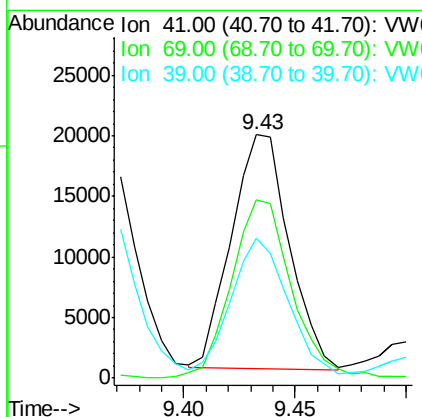
RT: 9.43 min Scan# 1235

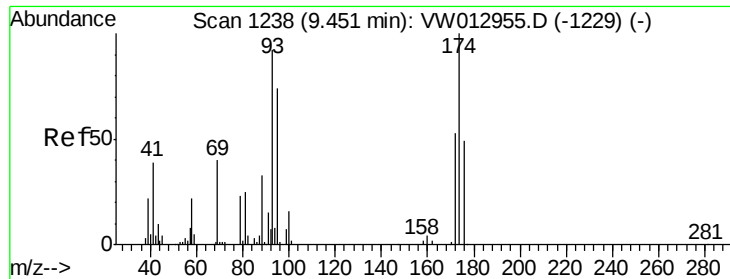
Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion:	41	Resp:	34704
Ion	Ratio	Lower	Upper
41	100		
69	80.2	62.8	94.2
39	61.0	48.5	72.7





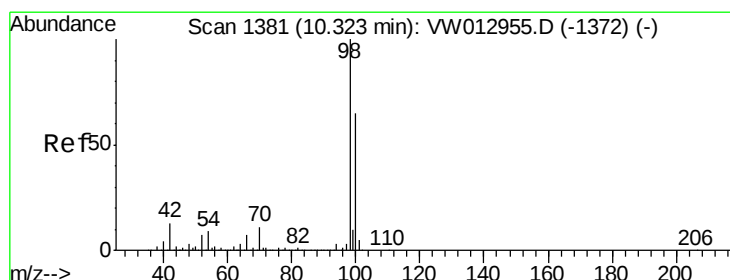
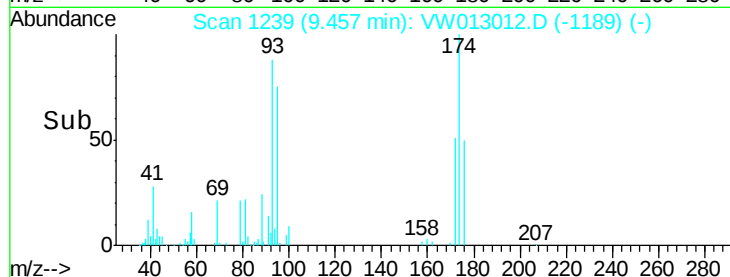
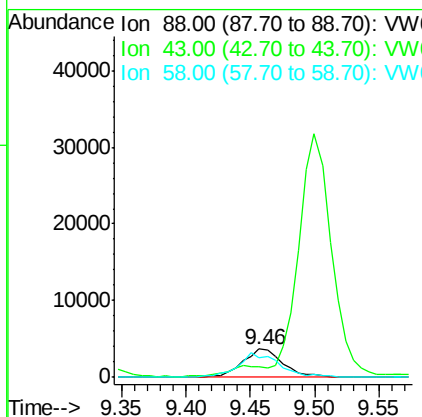
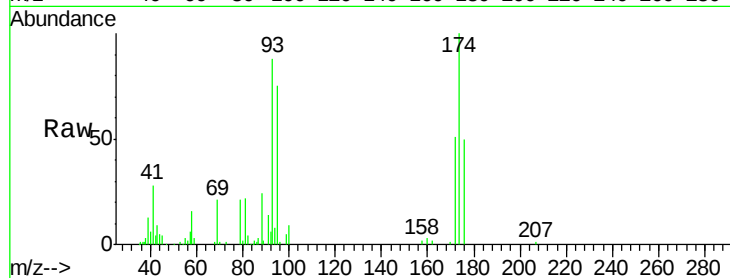
#49
1,4-Dioxane
Concen: 363.728 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	31.3	46.9
58	89.3	60.2	90.2

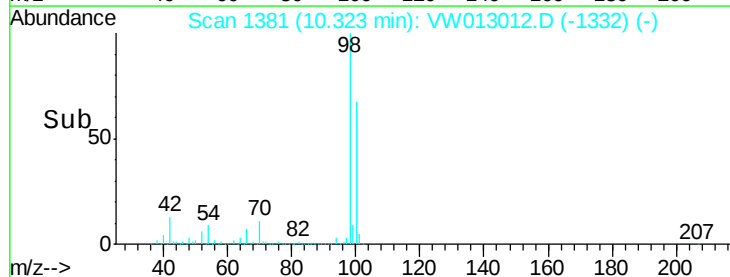
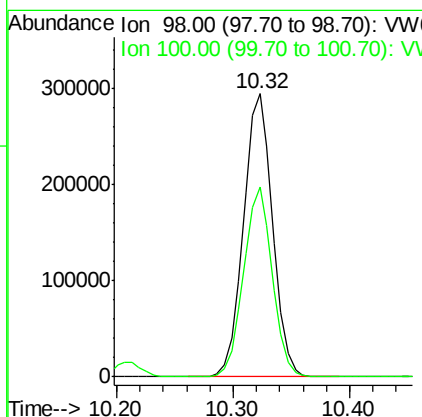
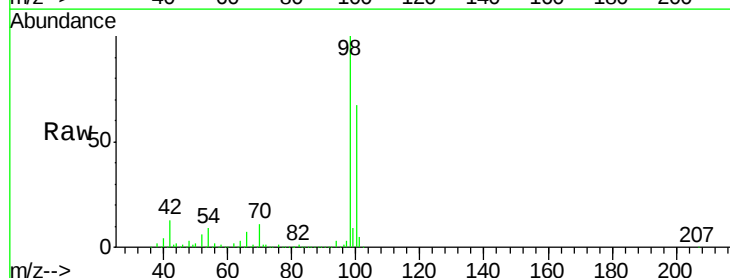
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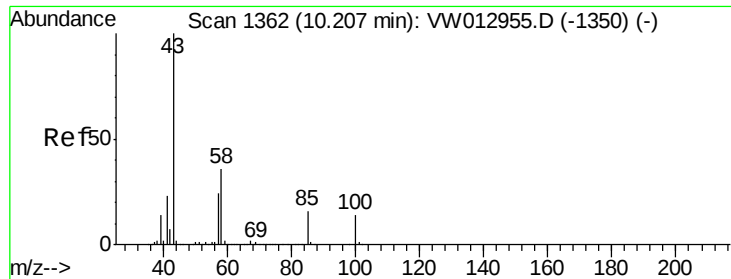
MMDadoda
9/16/2019 11:14:49 AM



#50
Toluene-d8
Concen: 52.223 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 101.104 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBSD02

Tot Ion: 43 Resp: 196106

Ion Ratio Lower Upper

43 100

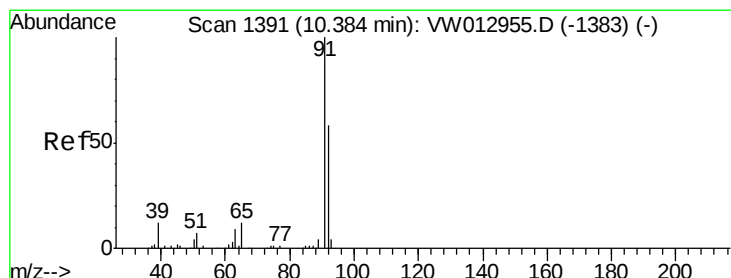
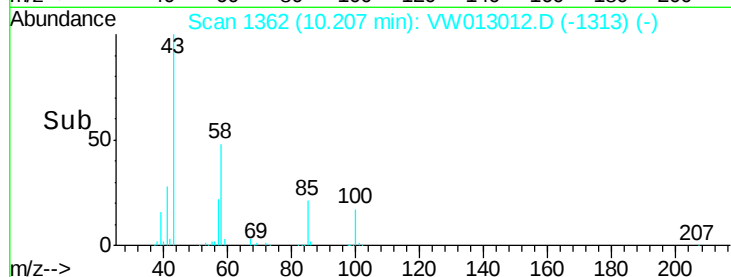
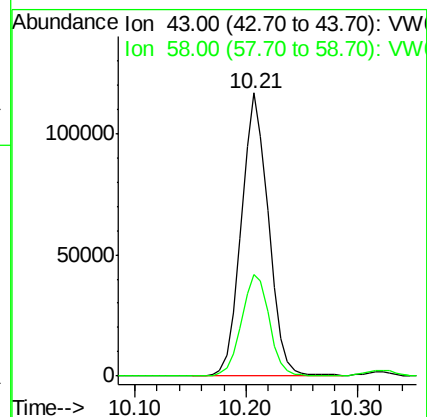
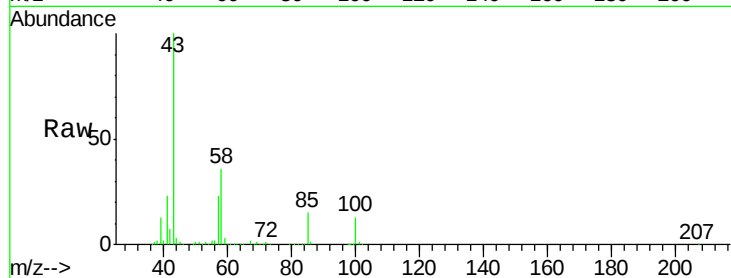
58 37.0 29.5 44.3

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#52

Toluene

Concen: 19.538 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013012.D

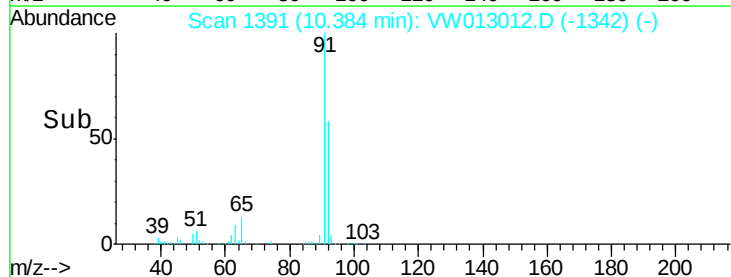
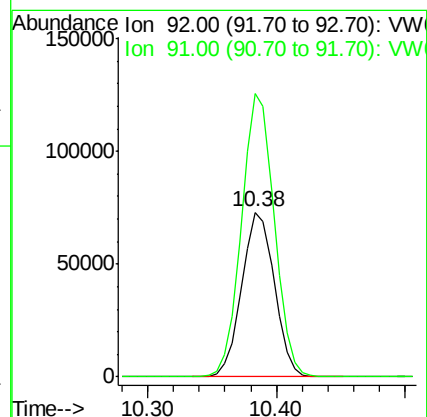
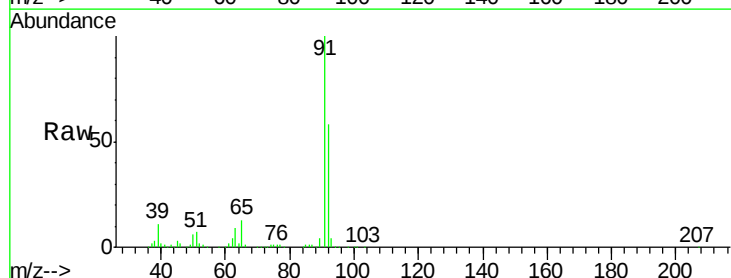
Acq: 15 Sep 2019 00:59

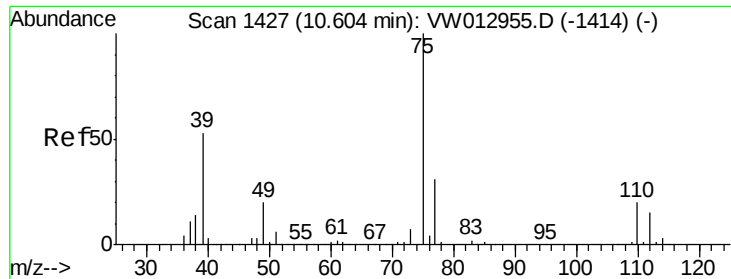
Tgt Ion: 92 Resp: 127768

Ion Ratio Lower Upper

92 100

91 172.4 137.5 206.3





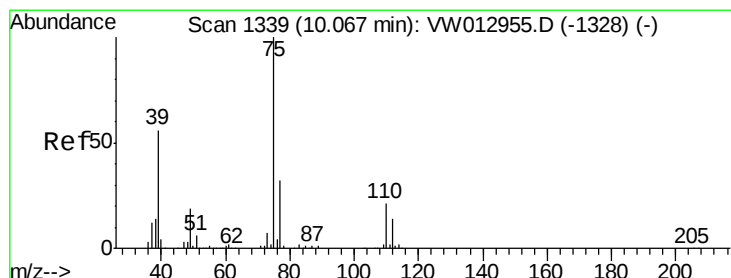
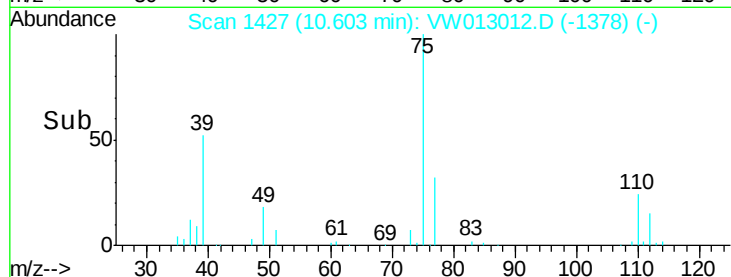
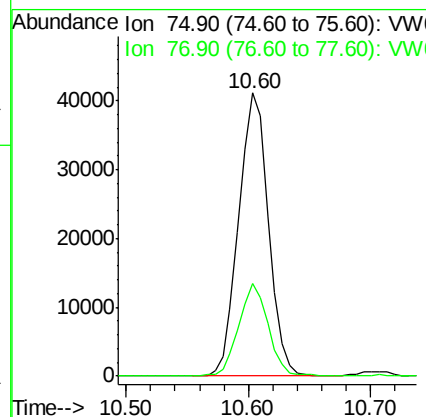
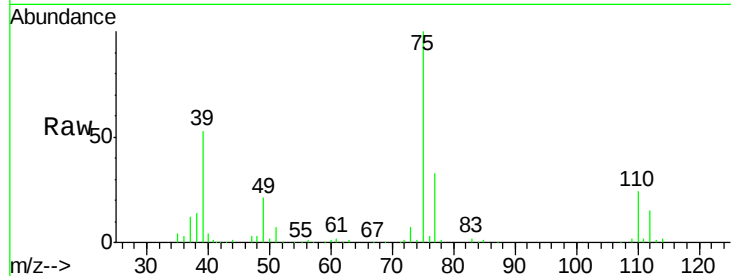
#53
t-1,3-Dichloropropene
Concen: 18.734 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion	75	Resp	69231
Ion Ratio	Lower	Upper	
75	100		
77	32.7	24.6	37.0

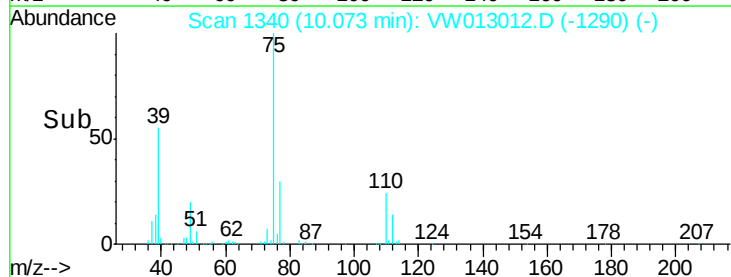
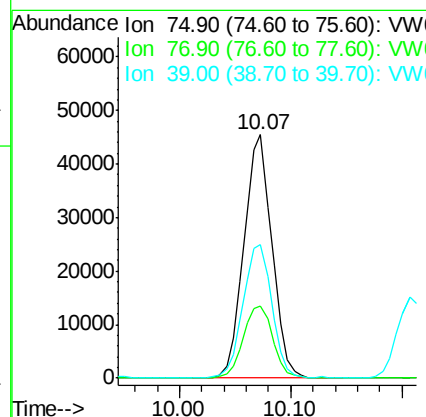
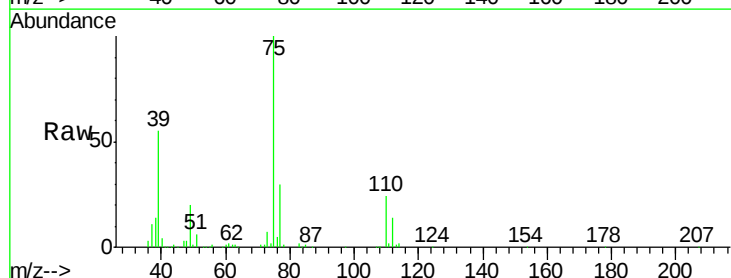
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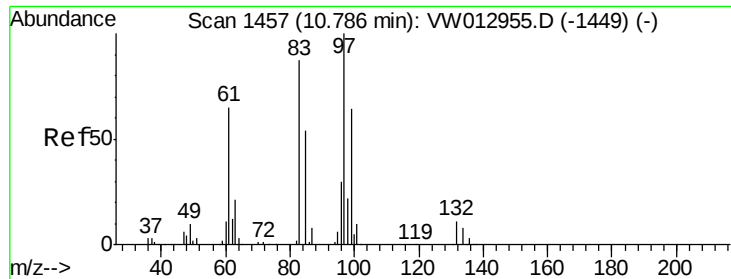
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.808 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	75	Resp	79529
Ion Ratio	Lower	Upper	
75	100		
77	29.6	25.5	38.3
39	54.8	45.0	67.6





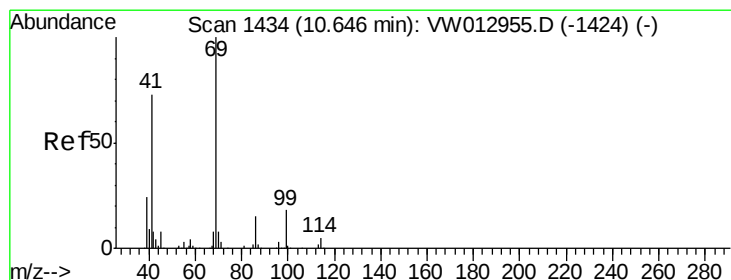
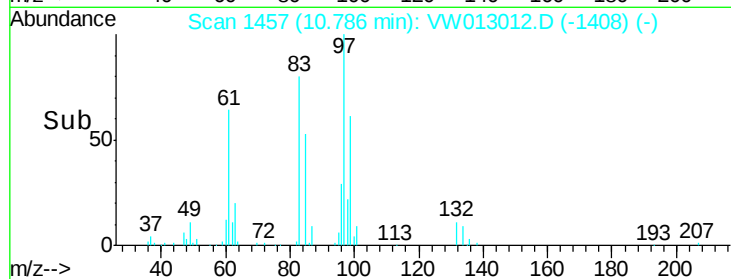
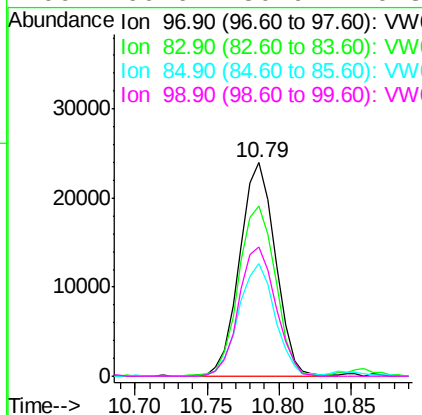
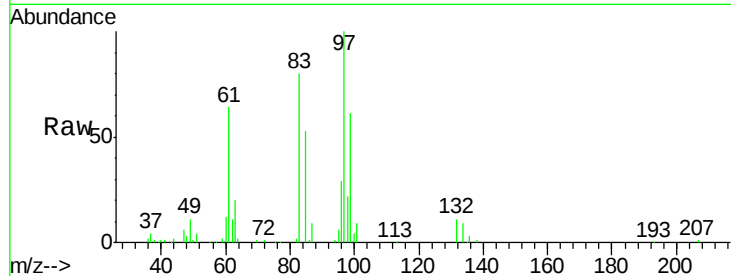
#55
 1,1,2-Trichloroethane
 Concen: 20.731 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion:	97	Resp:	41372
Ion	Ratio	Lower	Upper
97	100		
83	79.2	69.4	104.0
85	52.9	43.3	64.9
99	60.6	50.9	76.3

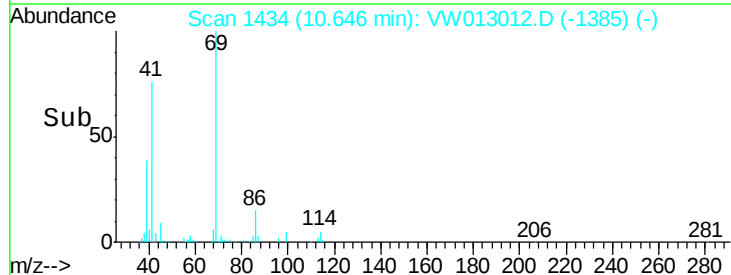
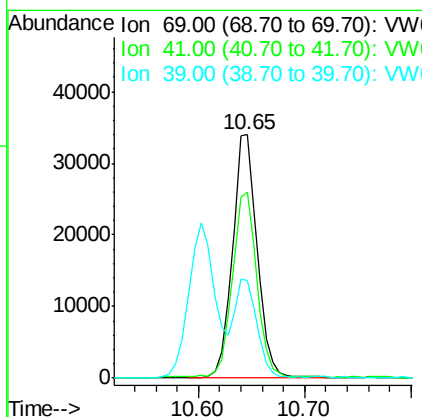
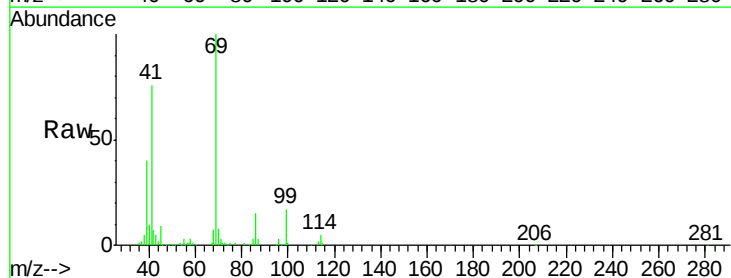
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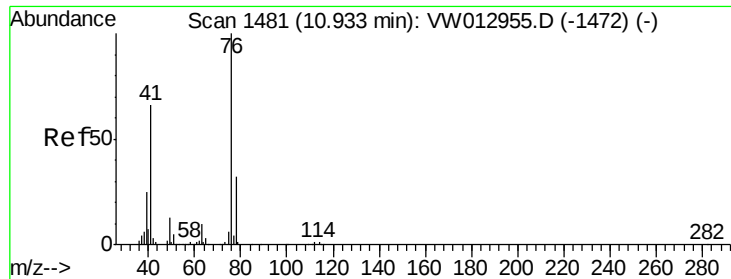
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 9/16/2019 11:14:49 AM



#56
 Ethyl methacrylate
 Concen: 20.715 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion:	69	Resp:	55645
Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.8	91.2
39	35.6	29.4	44.0





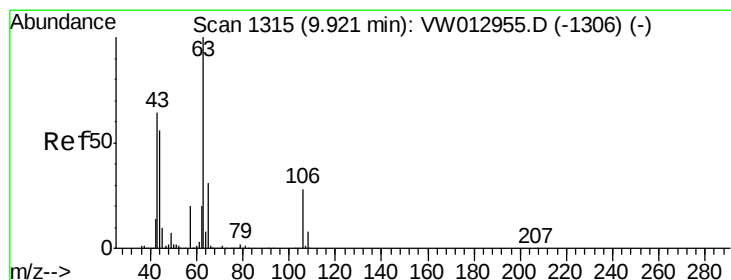
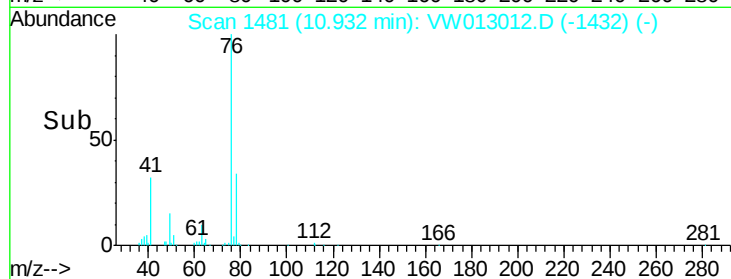
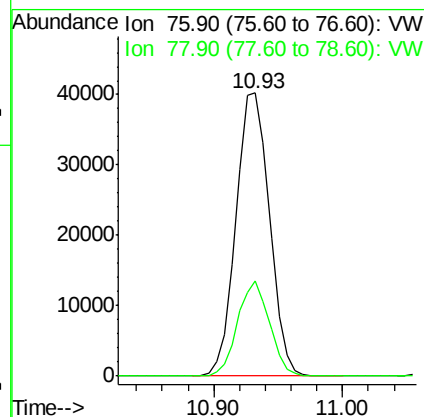
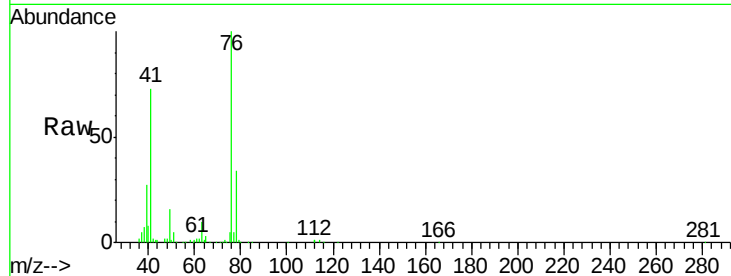
#57
 1,3-Dichloropropane
 Concen: 20.610 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

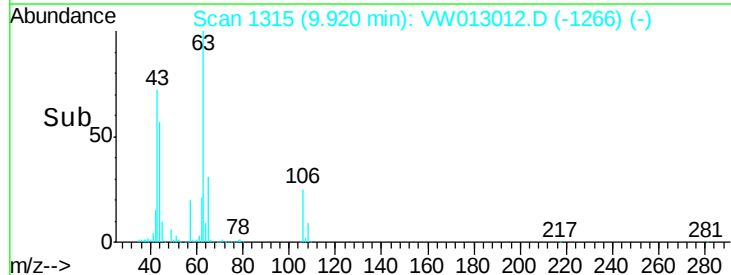
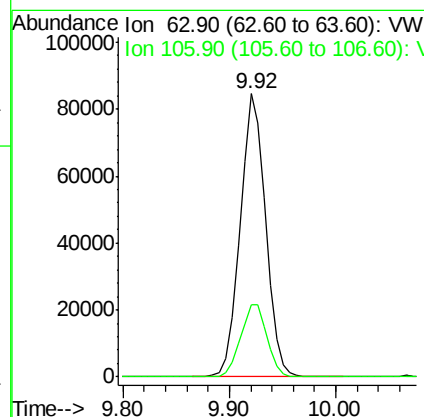
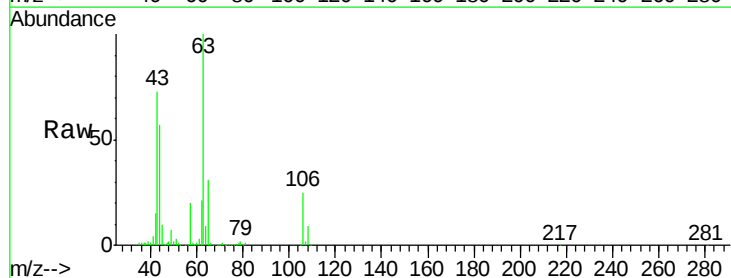
Manual Integrations
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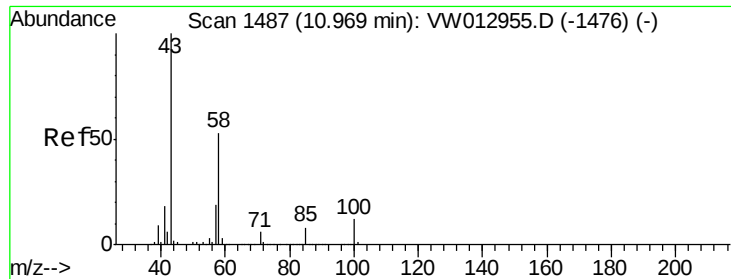
MMDadoda
 9/16/2019 11:14:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.532 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	22.2	33.2





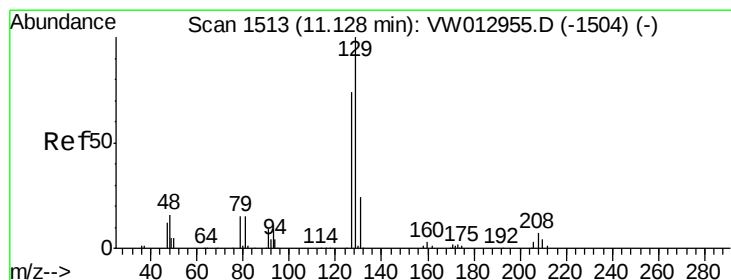
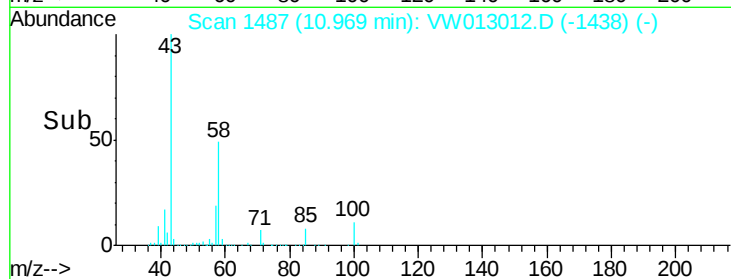
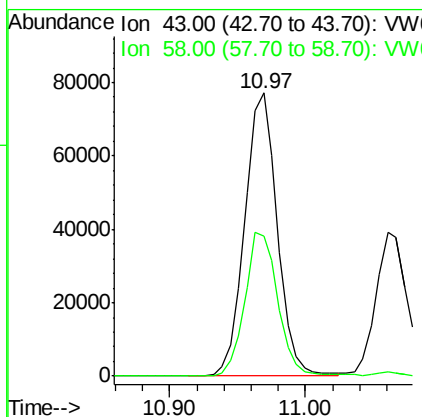
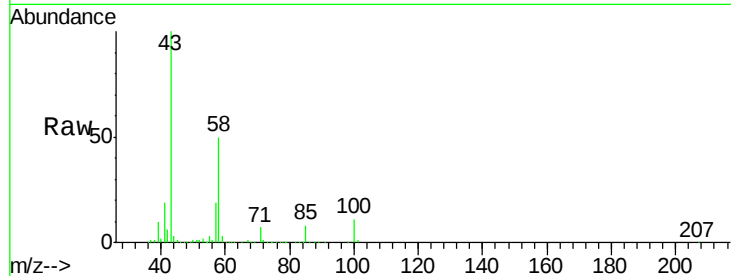
#59
2-Hexanone
Concen: 95.787 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion	43	Resp	129370
Ion Ratio	43	100	
Lower	58	51.3	25.8
Upper			77.3

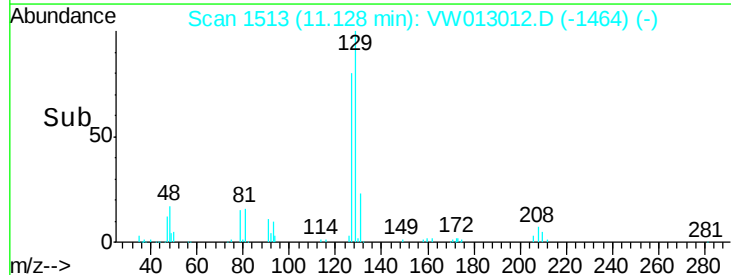
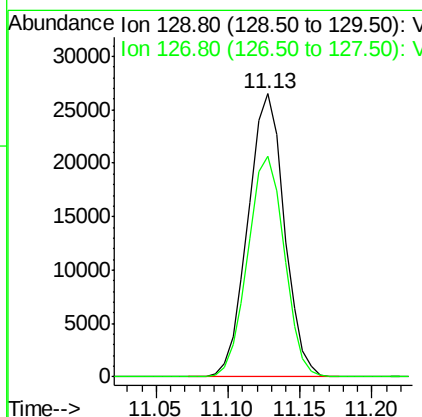
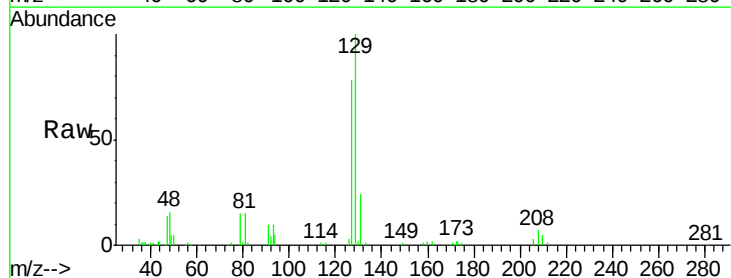
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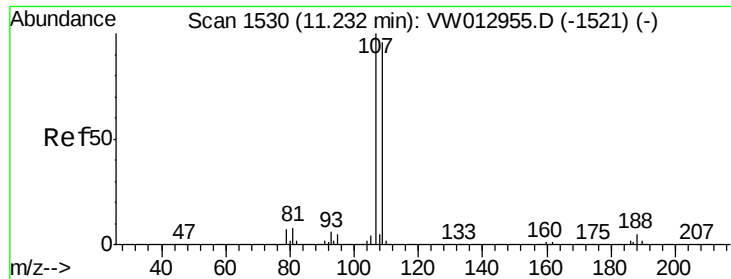
MMDadoda
9/16/2019 11:14:49 AM



#60
Dibromochloromethane
Concen: 19.223 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	129	Resp	46379
Ion Ratio	129	100	
Lower	127	78.2	37.4
Upper			112.2





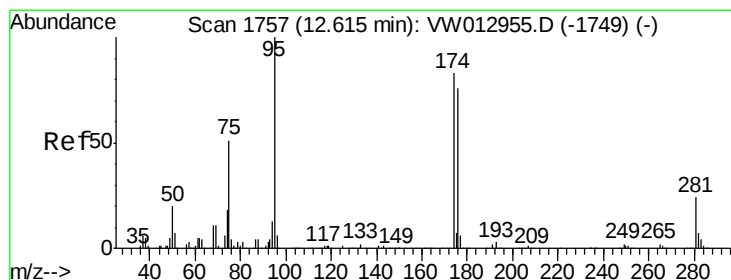
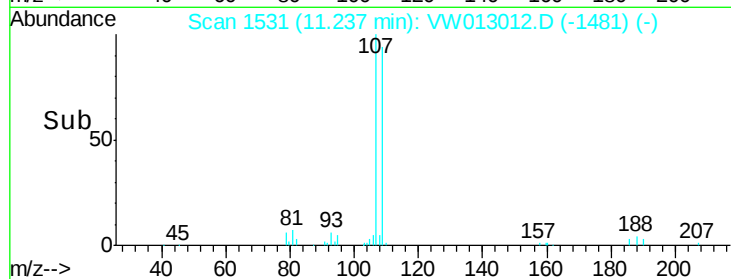
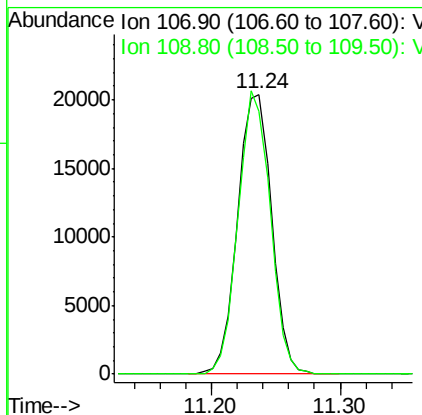
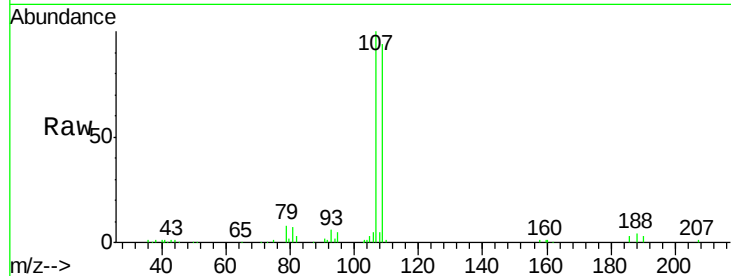
#61
 1,2-Dibromoethane
 Concen: 20.527 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.6

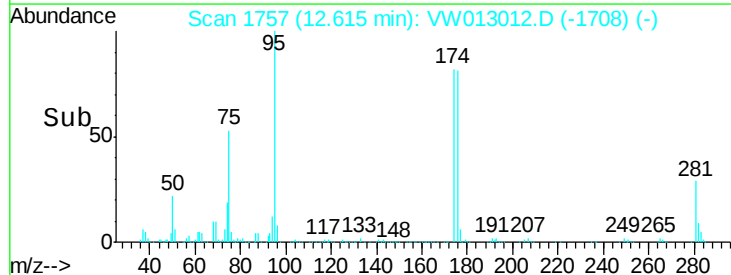
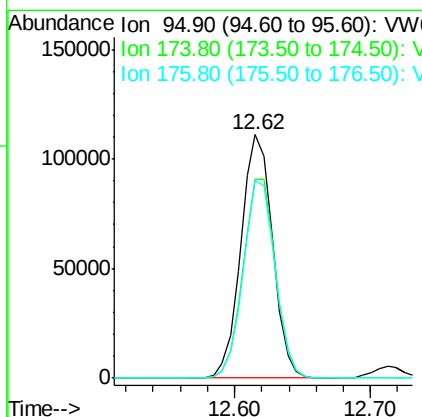
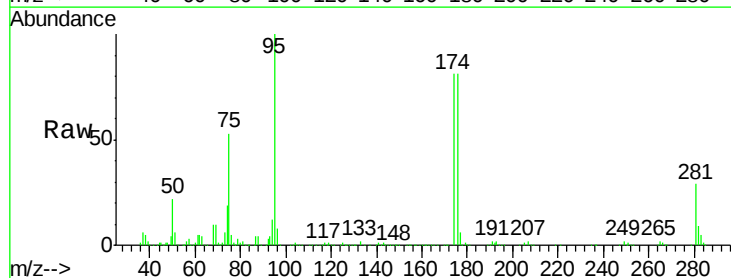
Manual Integrations
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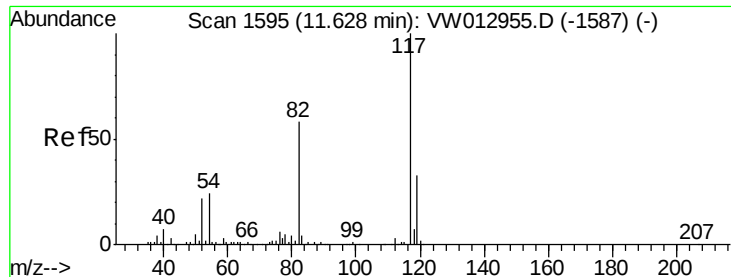
MMDadoda
 9/16/2019 11:14:49 AM



#62
 4-Bromofluorobenzene
 Concen: 51.192 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.4
176	82.2	0.0	164.6





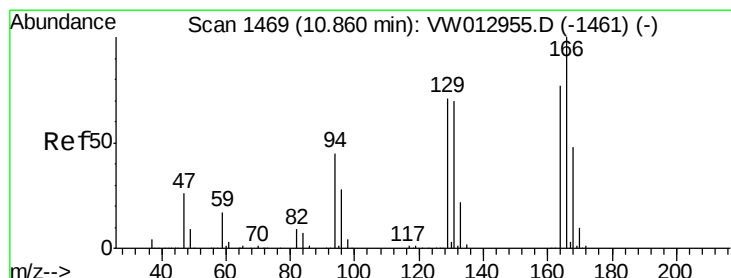
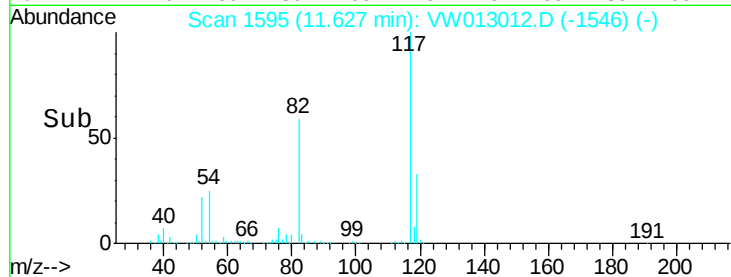
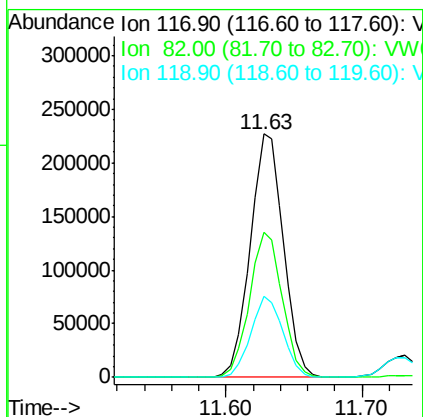
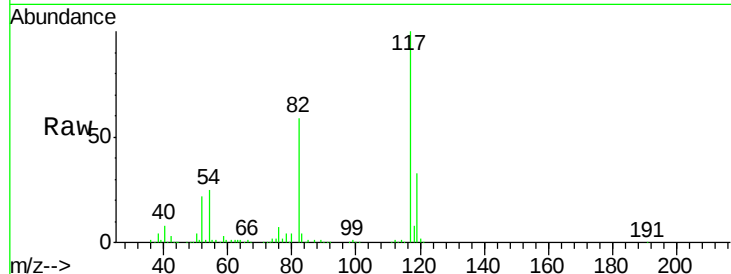
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	388873		
82	59.4	46.3	69.5	
119	33.4	26.2	39.4	

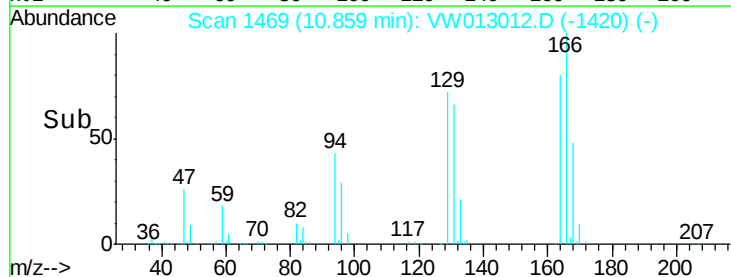
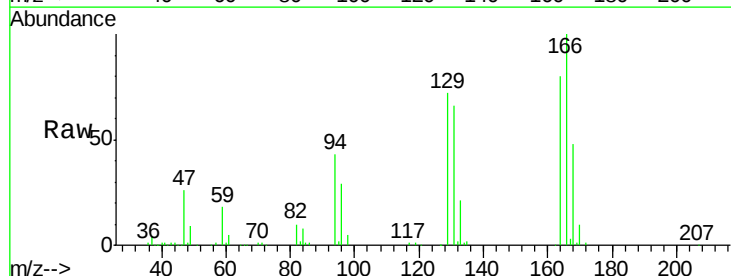
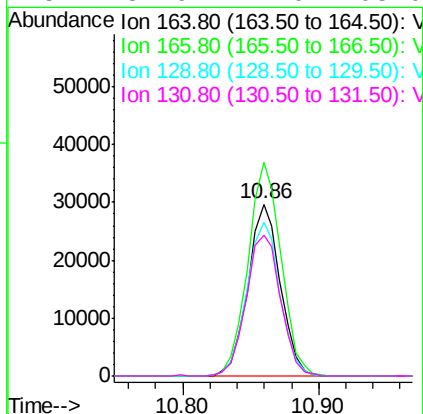
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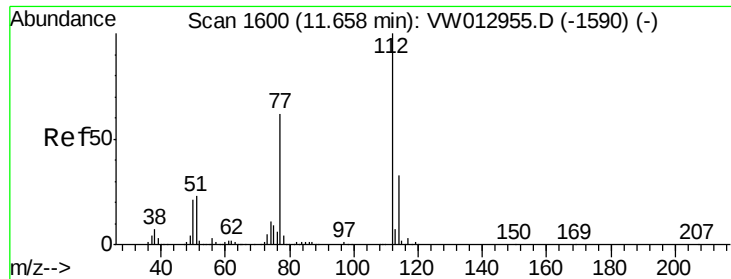
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#64
Tetrachloroethene
Concen: 21.367 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49431		
166	124.3	103.3	154.9	
129	89.1	73.8	110.8	
131	81.9	72.0	108.0	





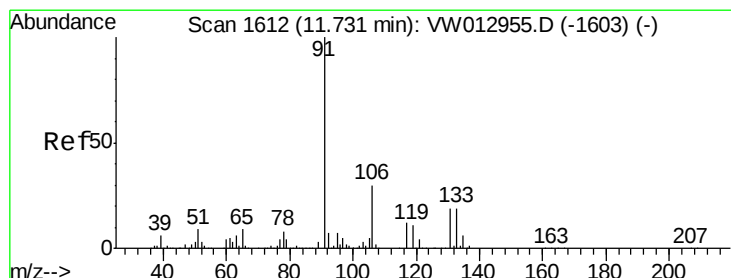
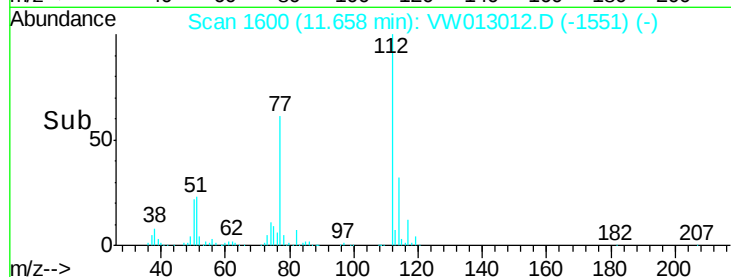
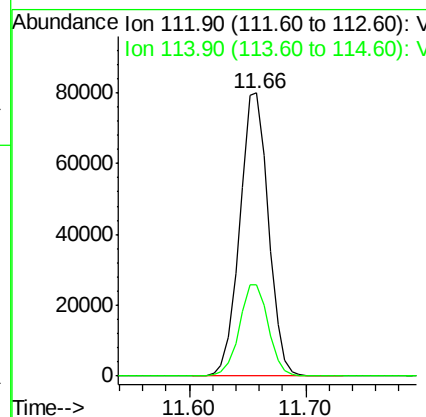
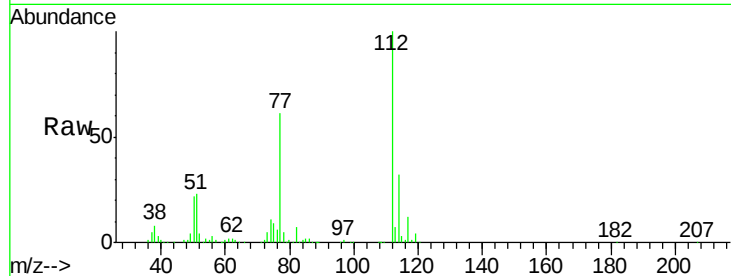
#65
Chlorobenzene
Concen: 19.805 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion:112 Resp: 137187
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6

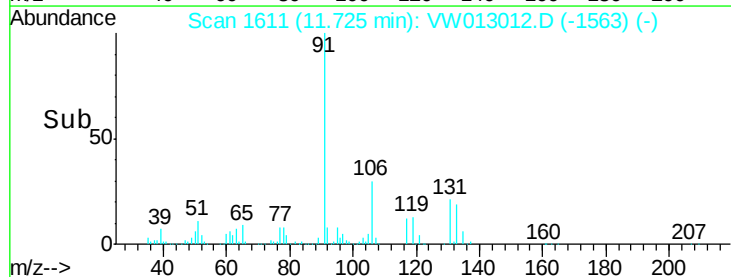
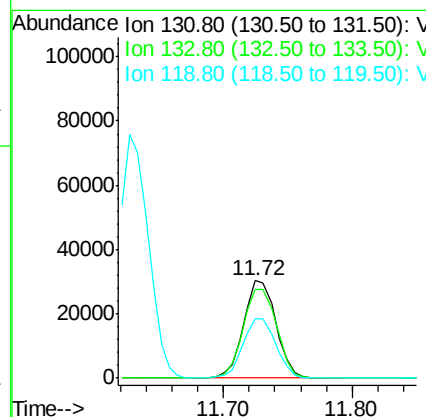
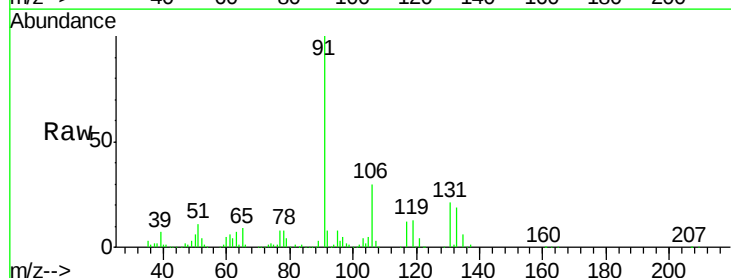
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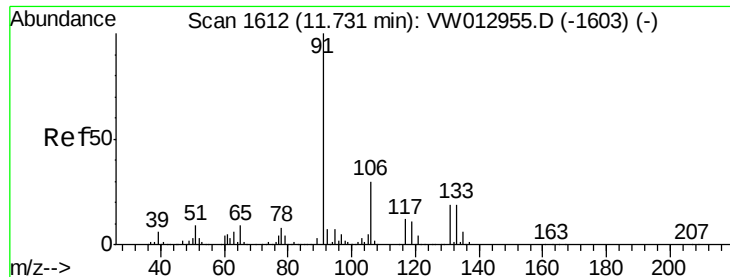
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.792 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion:131 Resp: 52536
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.8
119 62.5 30.9 92.7





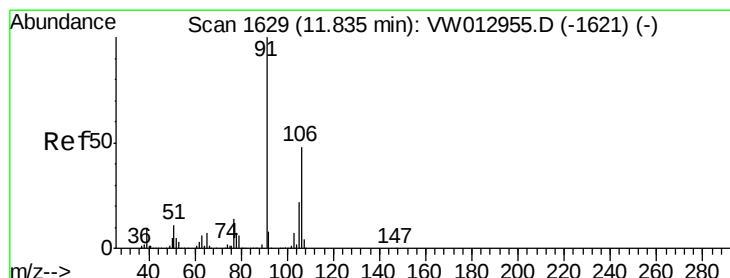
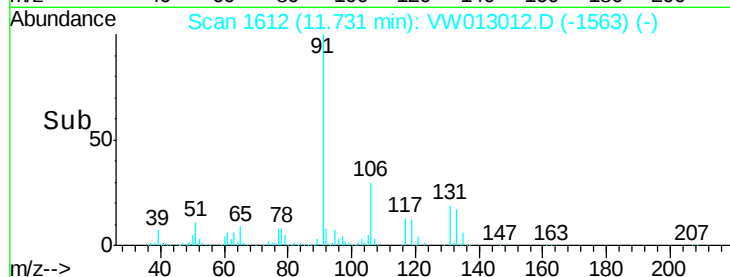
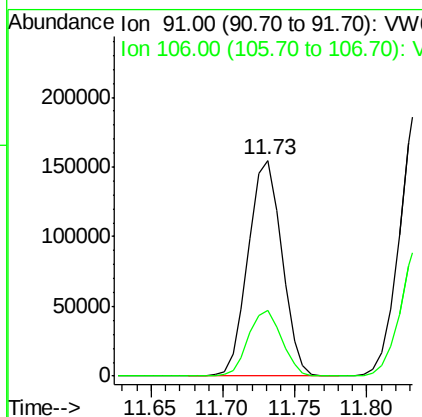
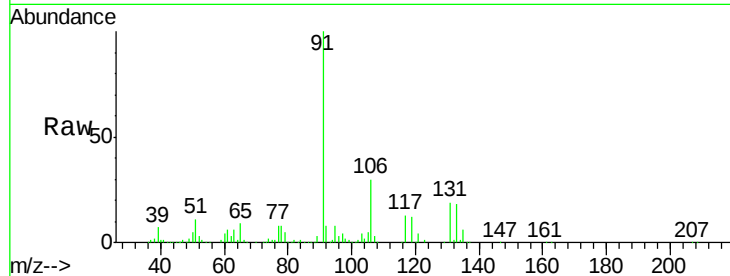
#67
Ethyl Benzene
Concen: 19.646 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion: 91 Resp: 251332
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

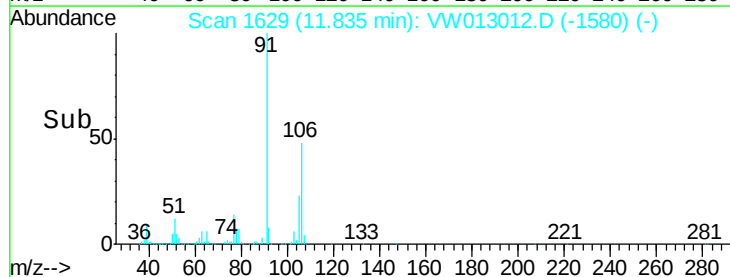
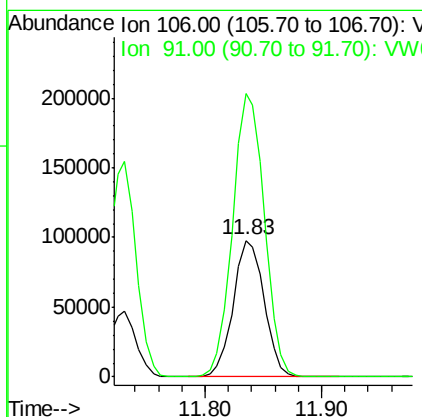
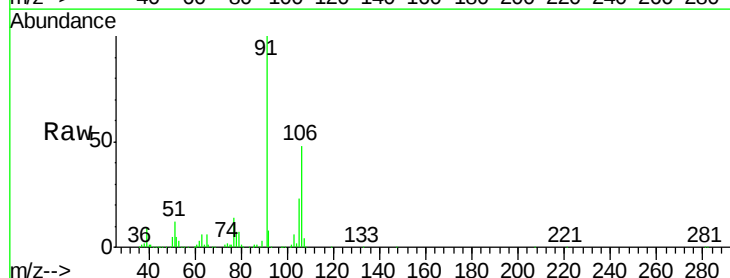
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#68
m/p-Xylenes
Concen: 38.838 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 106 Resp: 181503
Ion Ratio Lower Upper
106 100
91 211.9 165.8 248.8





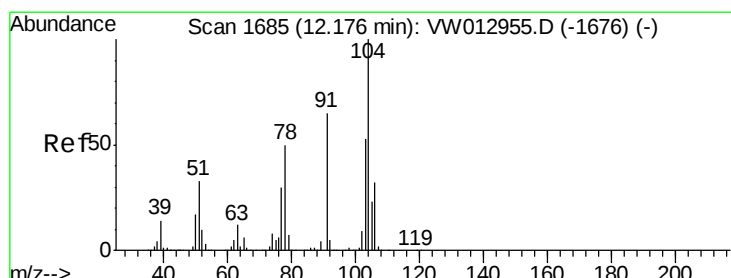
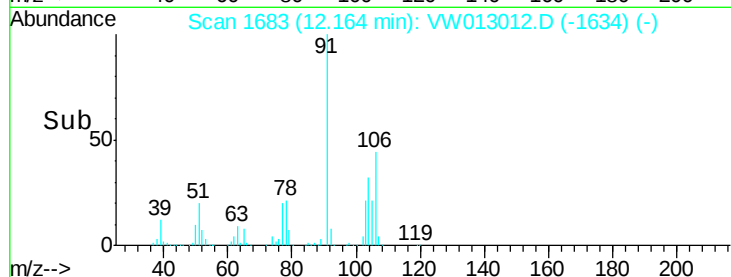
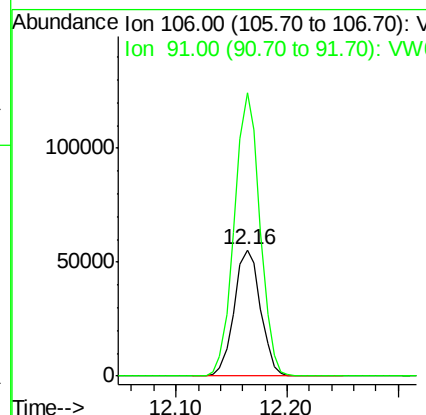
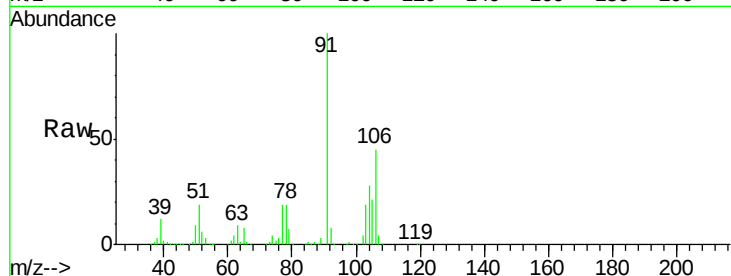
#69
o-Xylene
Concen: 20.605 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion:106 Resp: 90280
Ion Ratio Lower Upper
106 100
91 219.4 109.7 329.0

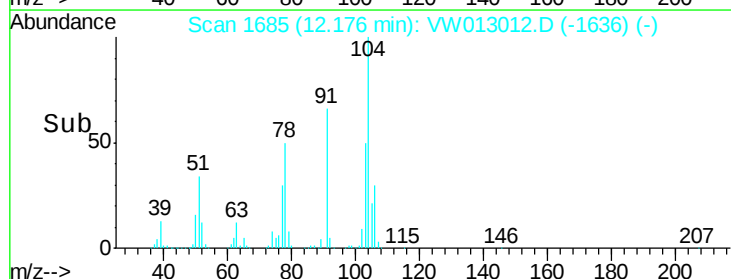
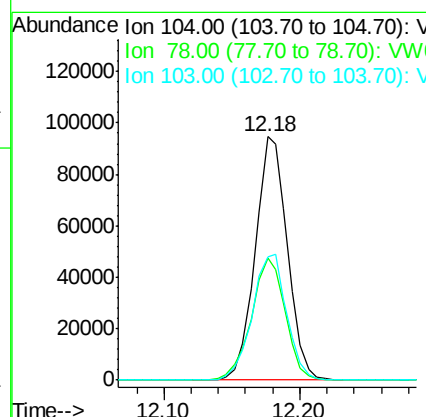
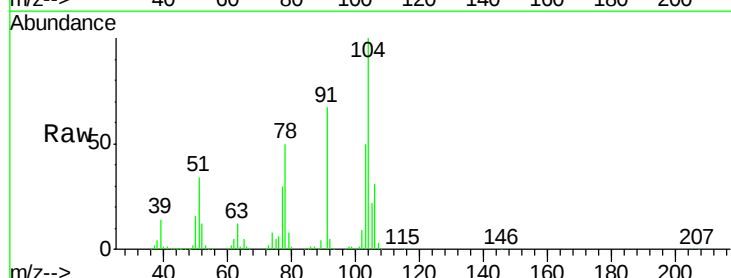
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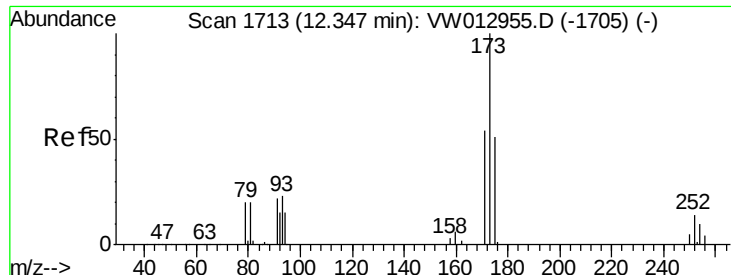
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#70
Styrene
Concen: 20.045 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion:104 Resp: 156234
Ion Ratio Lower Upper
104 100
78 52.8 42.1 63.1
103 55.6 44.2 66.4





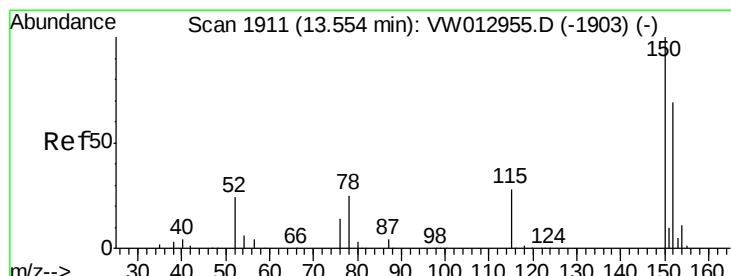
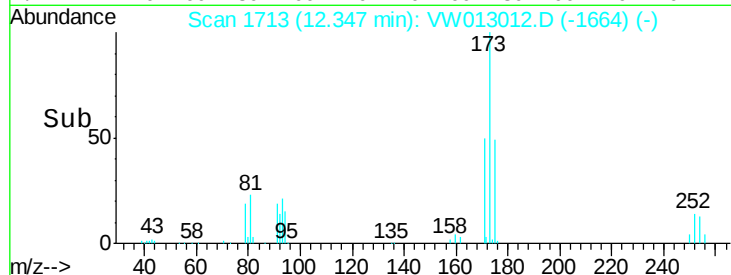
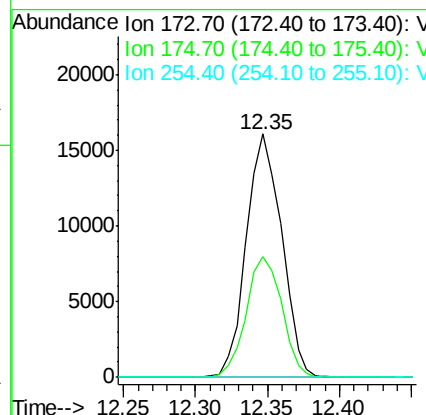
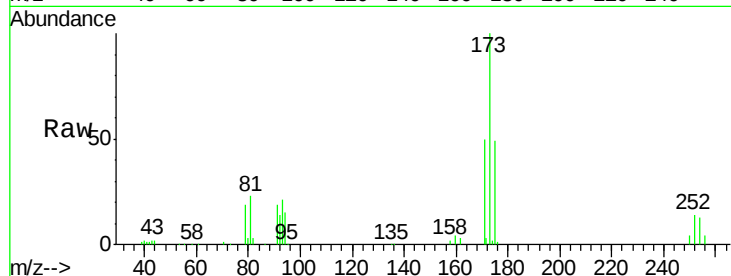
#71
Bromoform
Concen: 19.598 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.2	72.6
254	0.0	0.1	0.1#

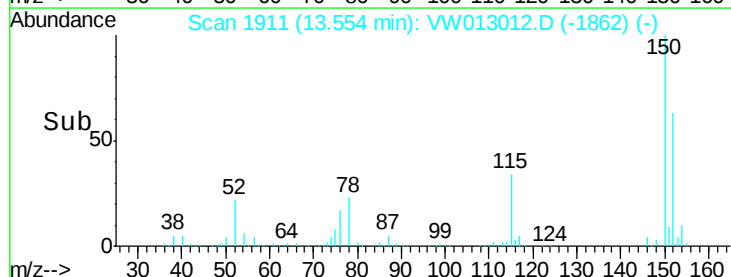
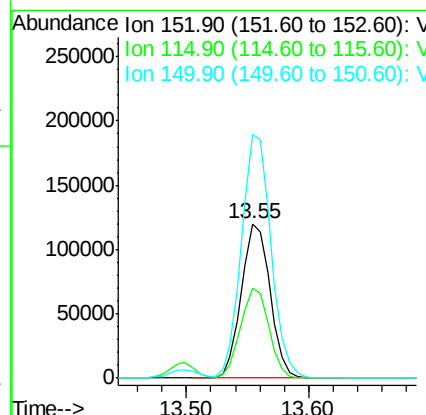
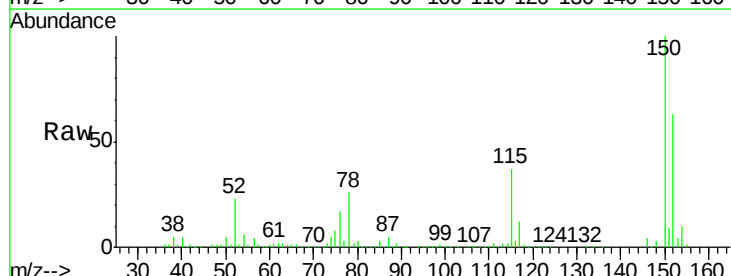
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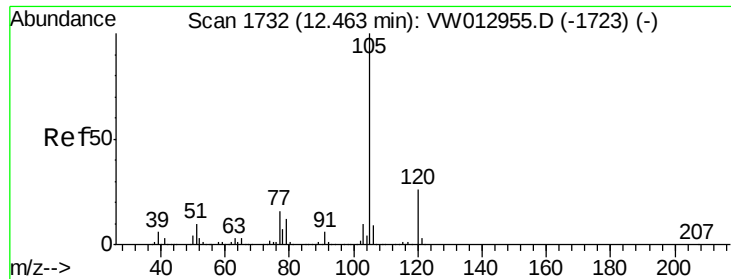
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.4
150	163.1	0.0	340.2





#73

Isopropylbenzene

Concen: 19.217 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBSD02

Tot Ion:105 Resp: 247651

Ion Ratio Lower Upper

105 100

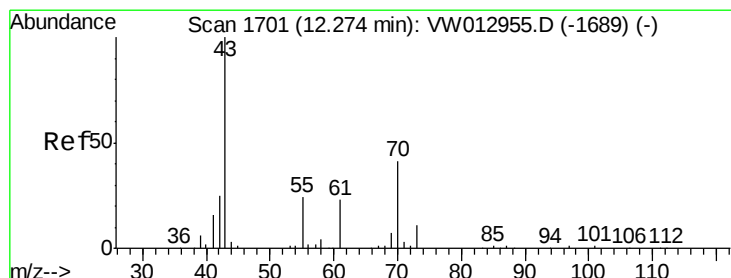
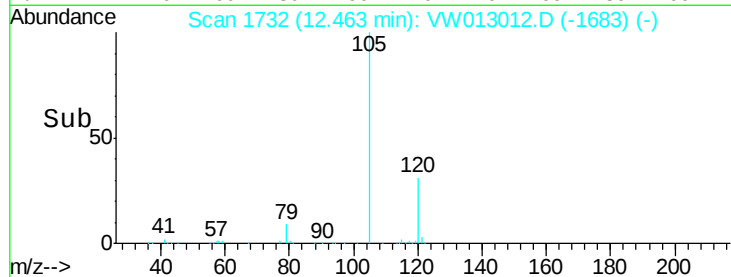
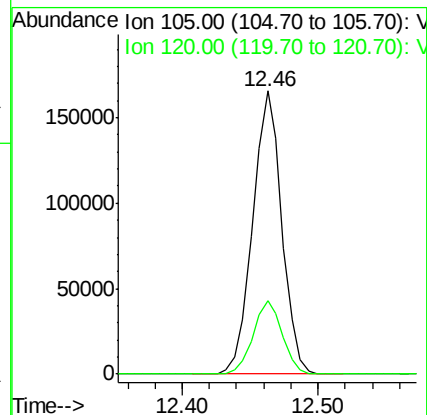
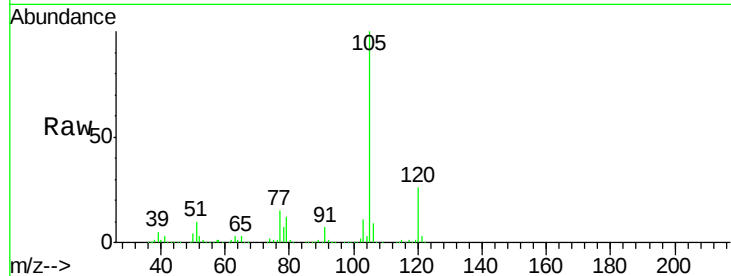
120 26.2 13.0 39.0

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#74

N-ethyl acetate

Concen: 19.319 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion: 43 Resp: 64044

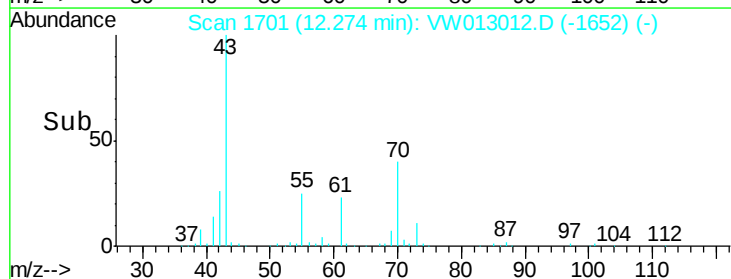
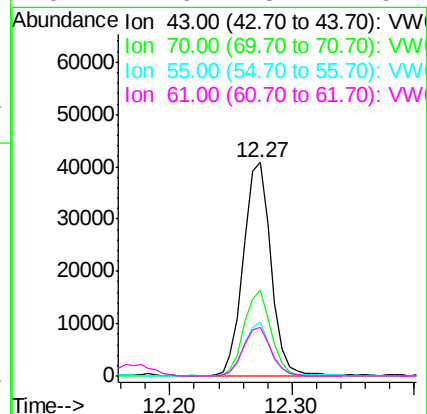
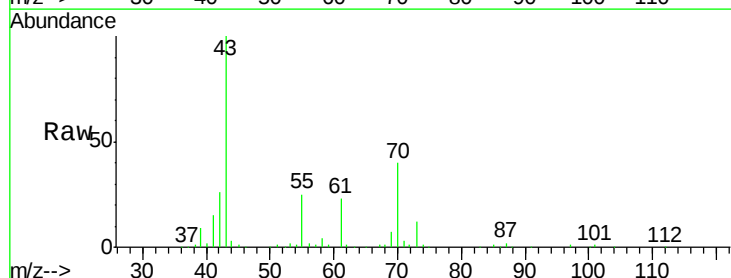
Ion Ratio Lower Upper

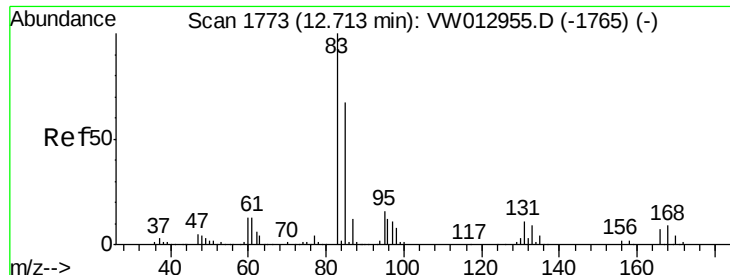
43 100

70 38.8 31.7 47.5

55 24.0 19.4 29.2

61 22.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.642 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

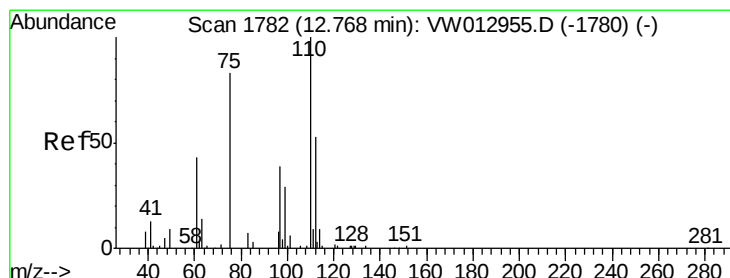
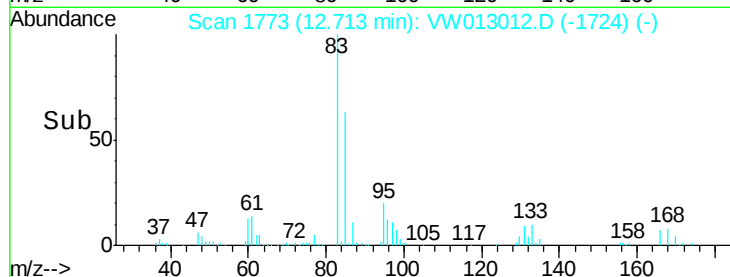
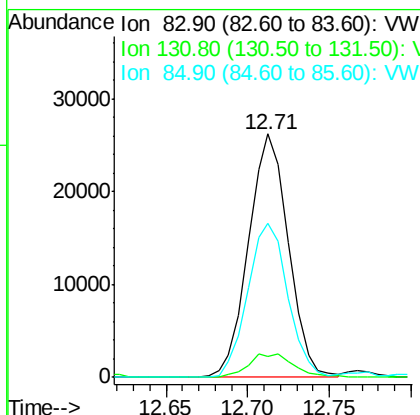
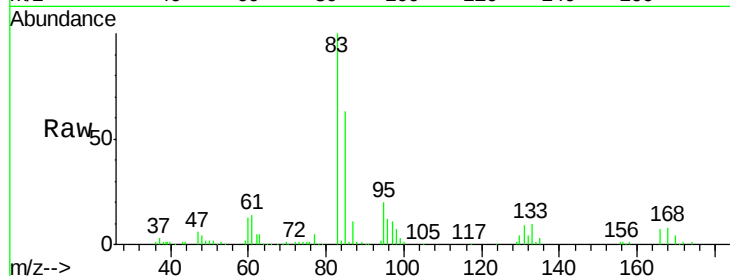
ClientSampleId :

VW0915SBS02

Tot Ion:	83	Resp:	44459
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.7	17.1
85	63.6	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 22.483 ug/l m

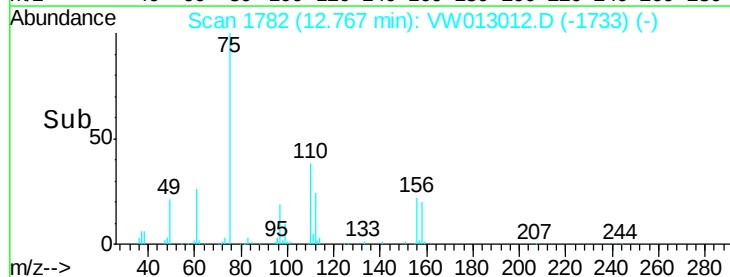
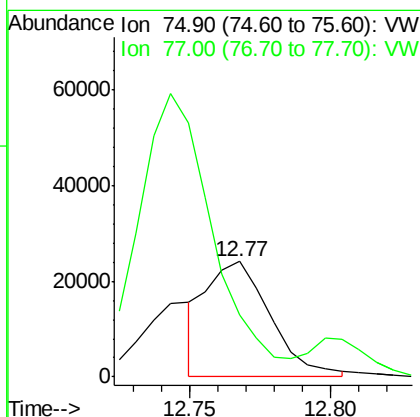
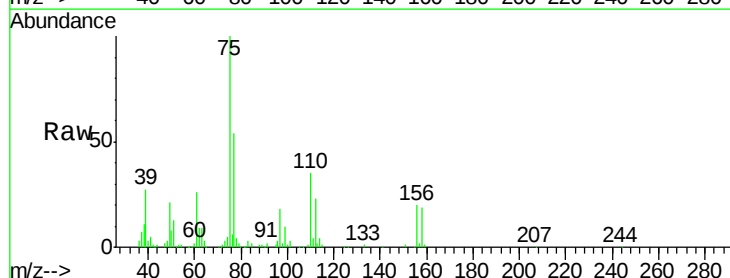
RT: 12.77 min Scan# 1782

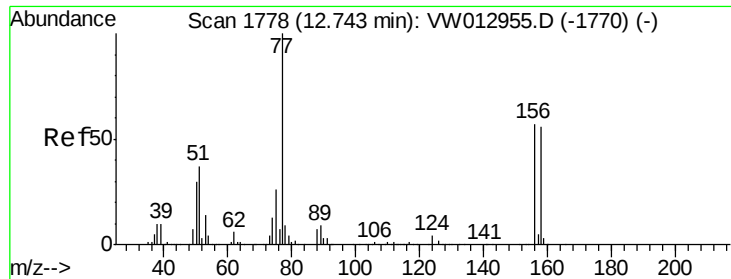
Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion:	75	Resp:	38289
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.741 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBSD02

Tot Ion:156 Resp: 58608

Ion Ratio Lower Upper

156 100

77 187.8 95.2 285.6

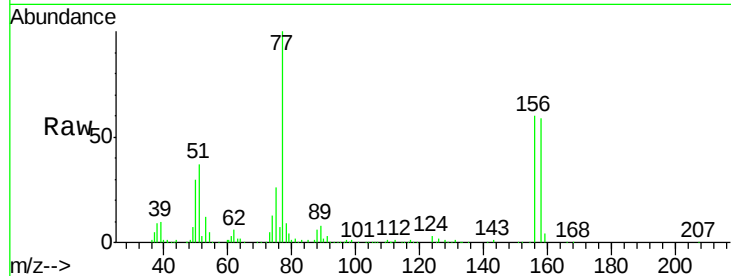
158 98.8 49.0 147.2

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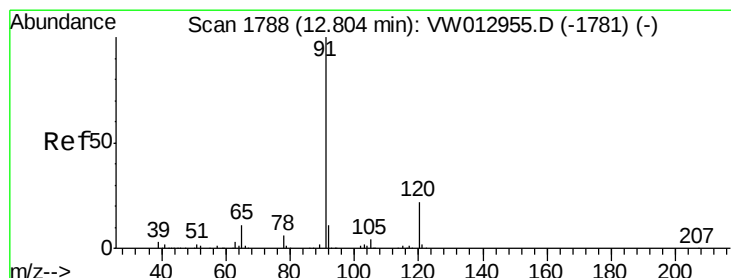
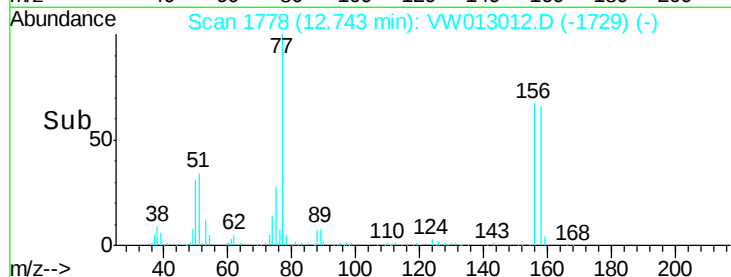
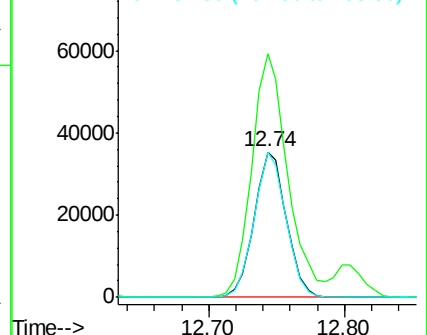
9/16/2019 11:14:49 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.301 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013012.D

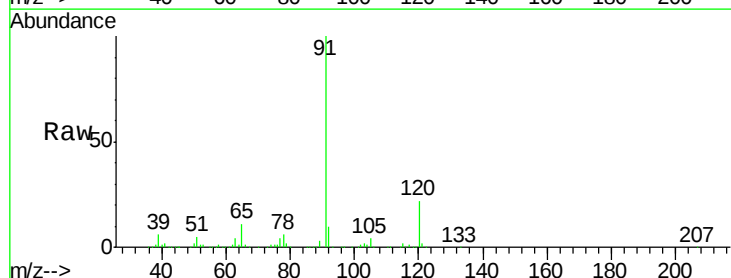
Acq: 15 Sep 2019 00:59

Tgt Ion: 91 Resp: 292586

Ion Ratio Lower Upper

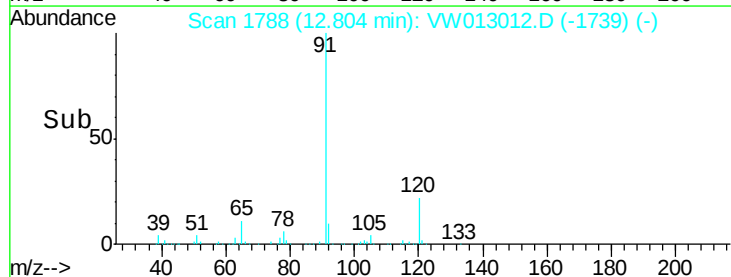
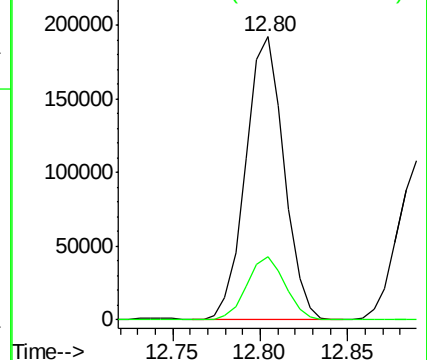
91 100

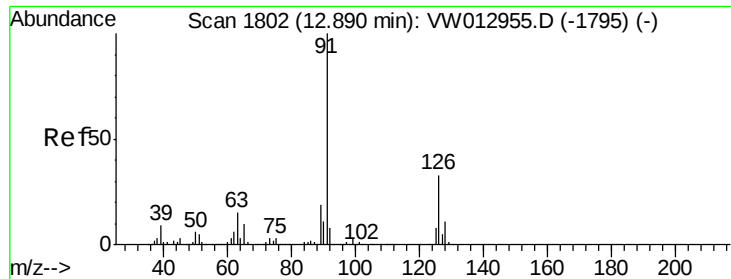
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





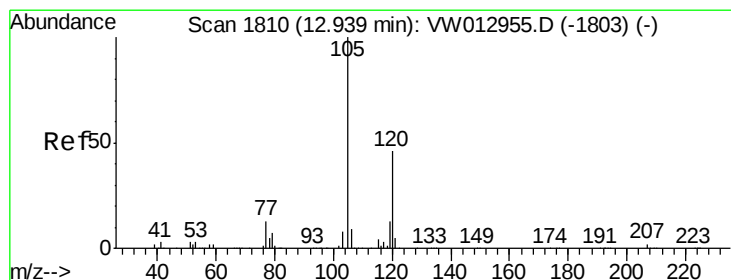
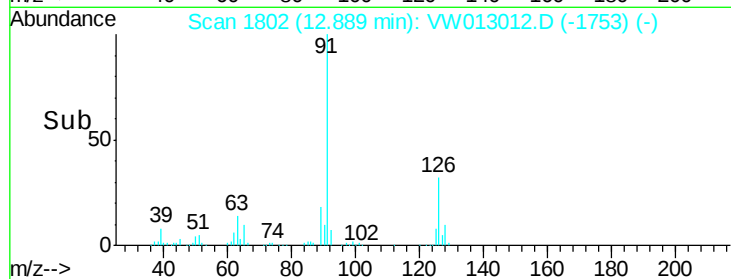
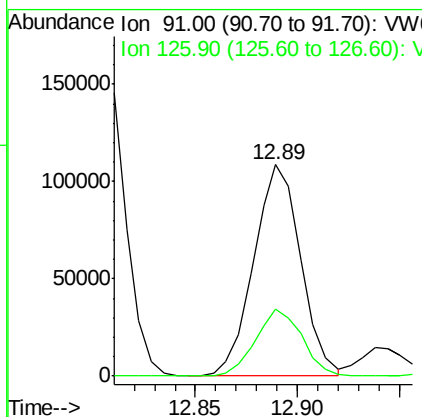
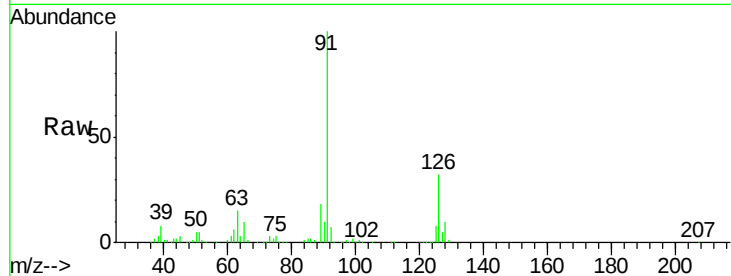
#79
 2-Chlorotoluene
 Concen: 19.908 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBSD02

Tot Ion: 91 Resp: 173487
 Ion Ratio Lower Upper
 91 100
 126 31.8 16.5 49.5

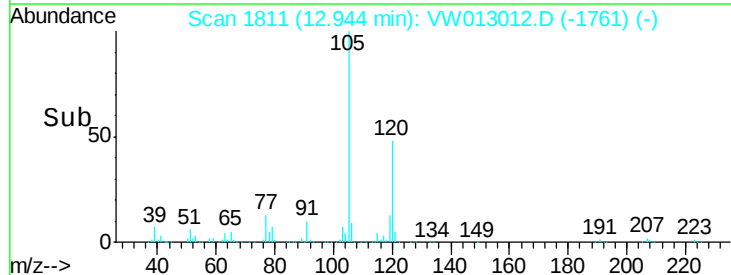
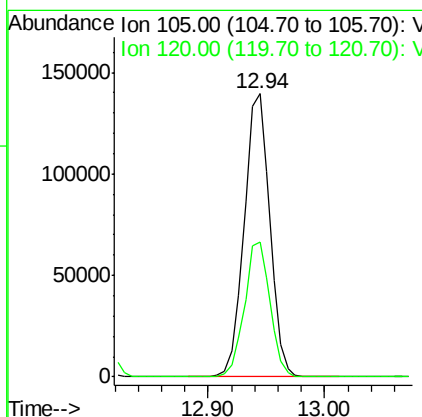
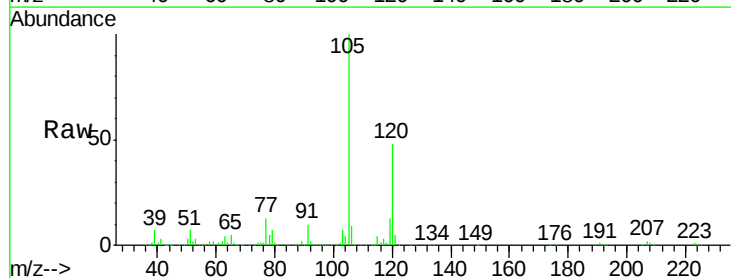
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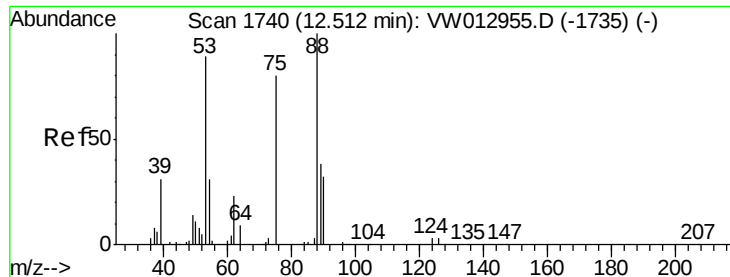
MMDadoda
 9/16/2019 11:14:49 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.690 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion:105 Resp: 214673
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.2 72.6





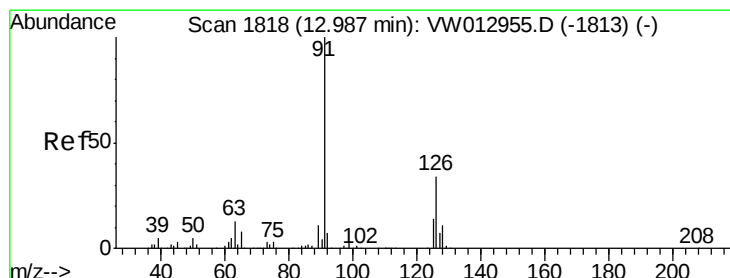
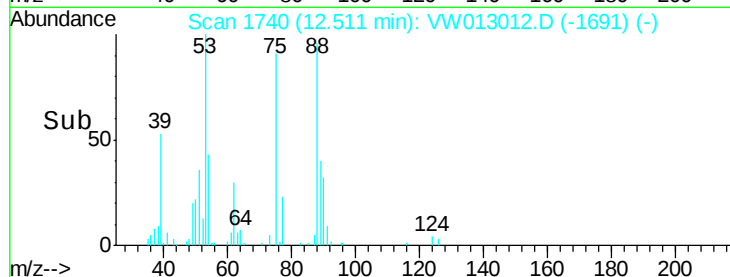
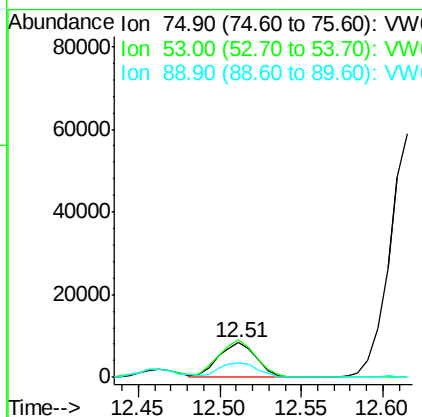
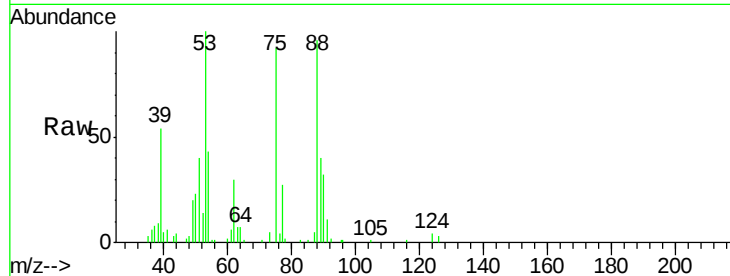
#81
trans-1,4-Dichloro-2-butene
Concen: 18.325 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.9	85.6	128.4
89	42.2	37.2	55.8

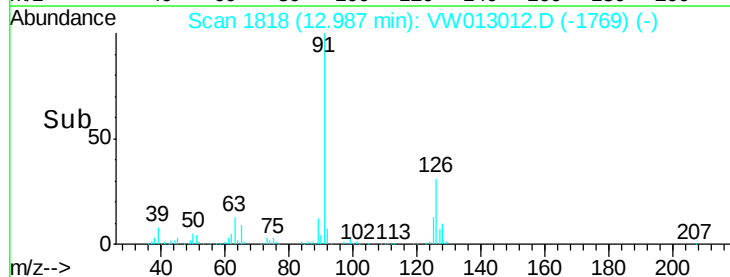
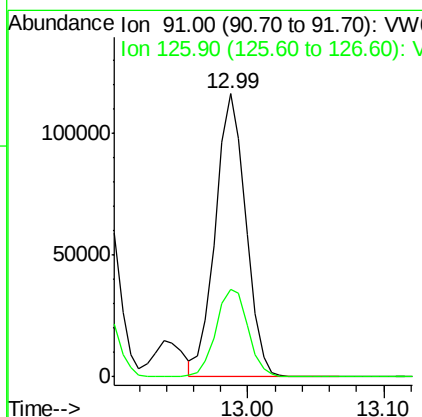
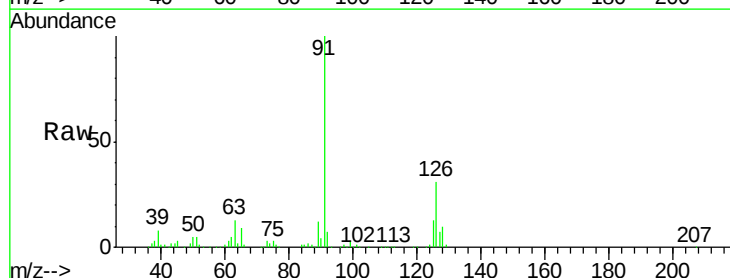
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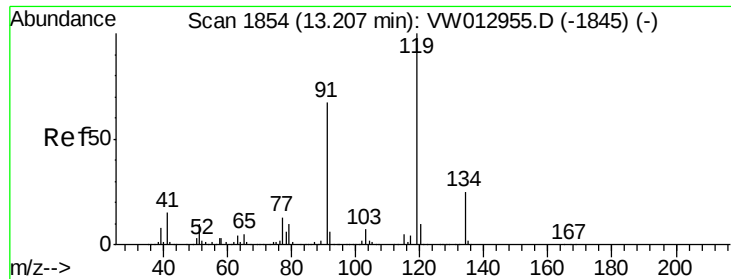
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#82
4-Chlorotoluene
Concen: 19.569 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3





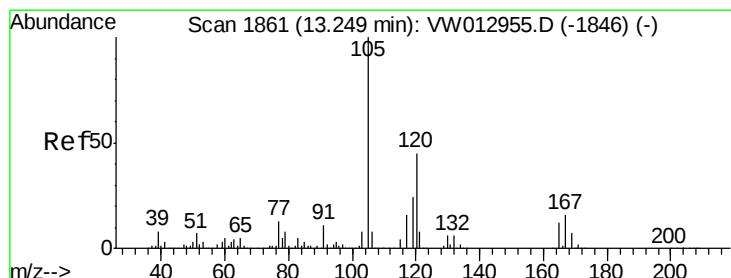
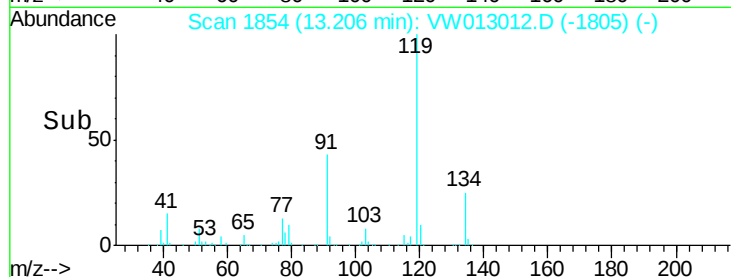
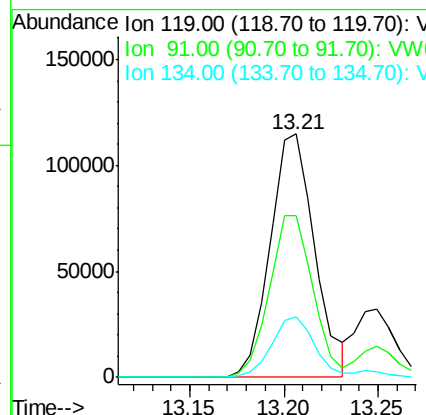
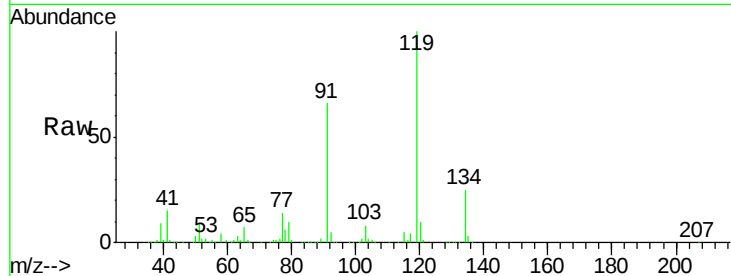
#83
 tert-Butylbenzene
 Concen: 19.320 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.6	98.0
134	24.4	12.4	37.4

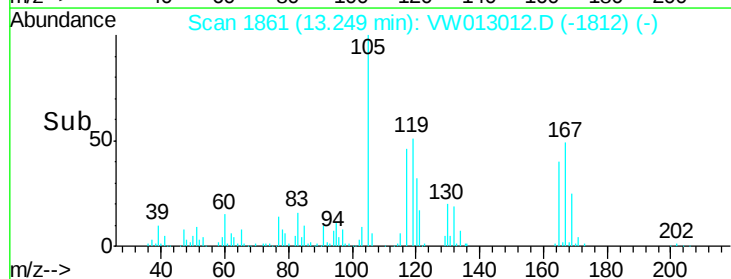
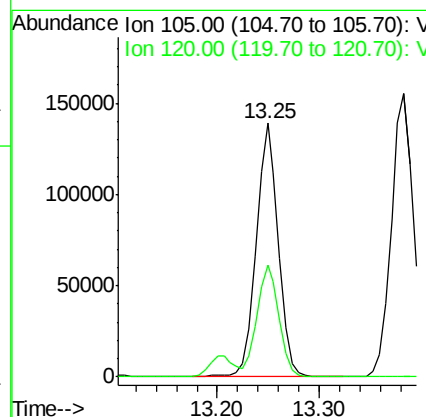
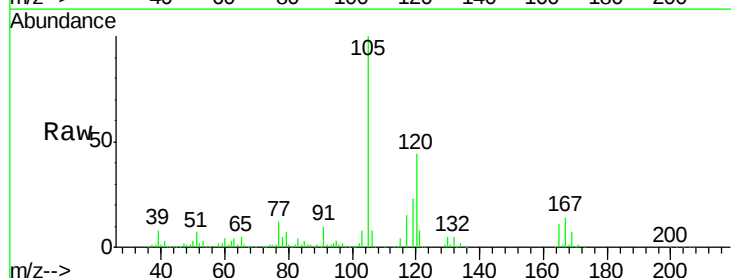
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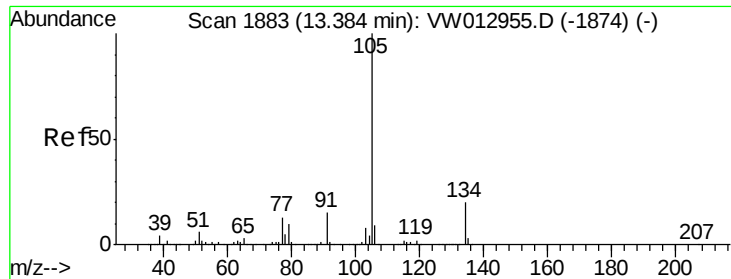
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.453 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





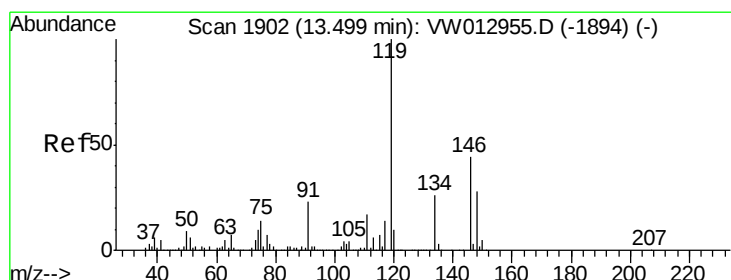
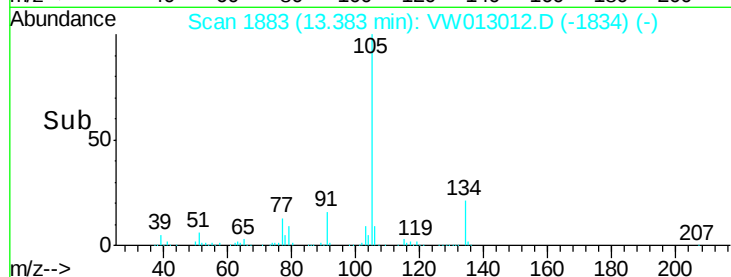
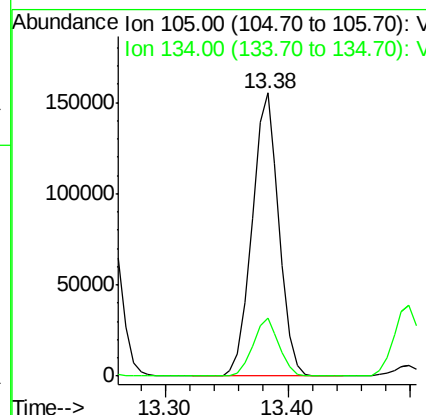
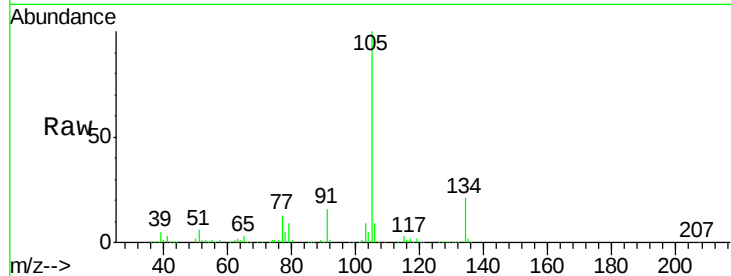
#85
 sec-Butylbenzene
 Concen: 17.770 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0915SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.2	30.4

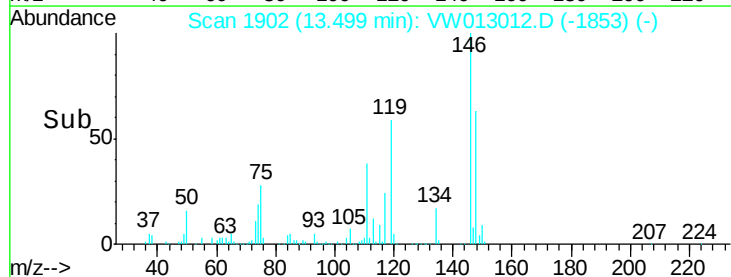
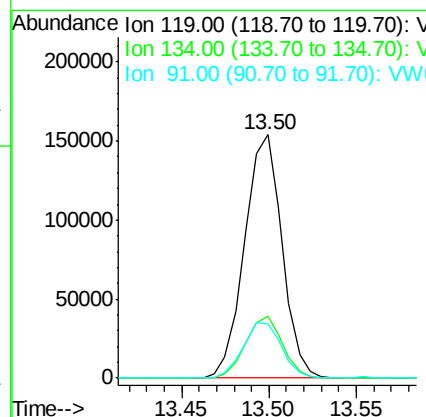
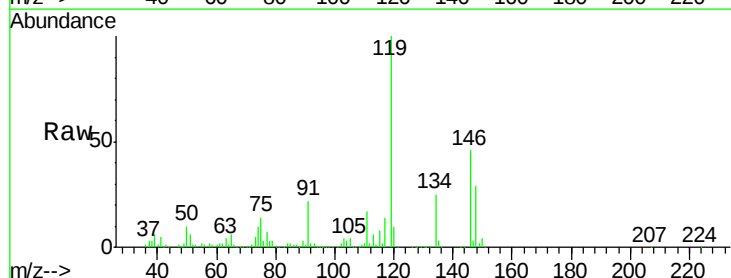
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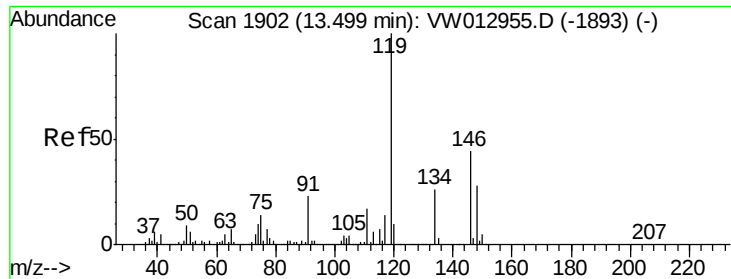
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#86
 p-Isopropyltoluene
 Concen: 18.730 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.8	38.3
91	23.6	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 19.145 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

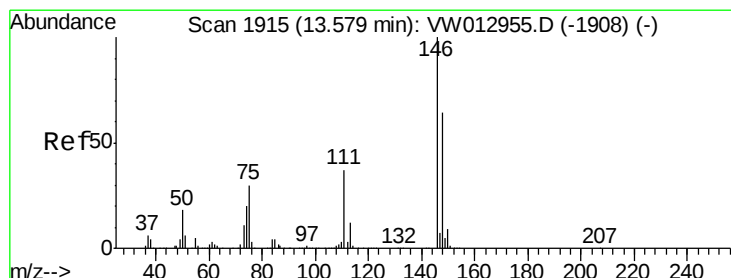
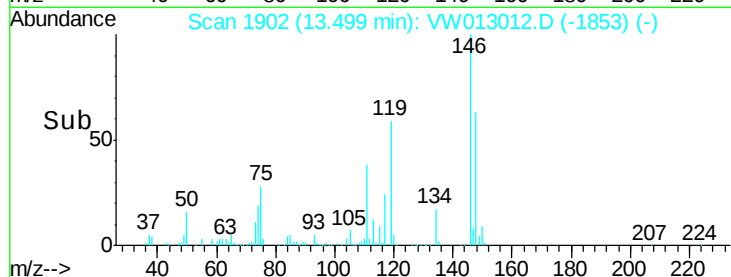
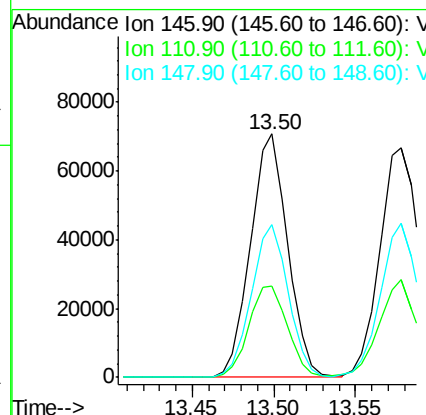
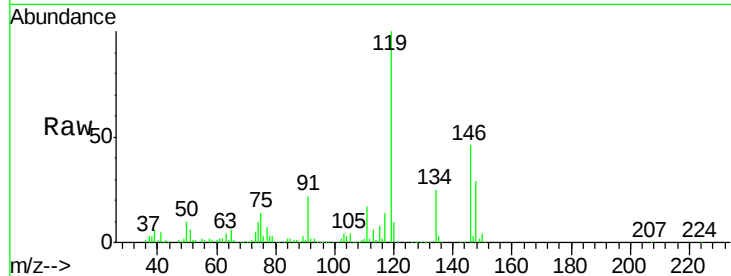
Instrument :
MSVOA_W

ClientSampleId :
VW0915SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112518		
111	39.4	19.8	59.4	
148	62.5	31.9	95.7	

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#88

1,4-Dichlorobenzene

Concen: 19.358 ug/l

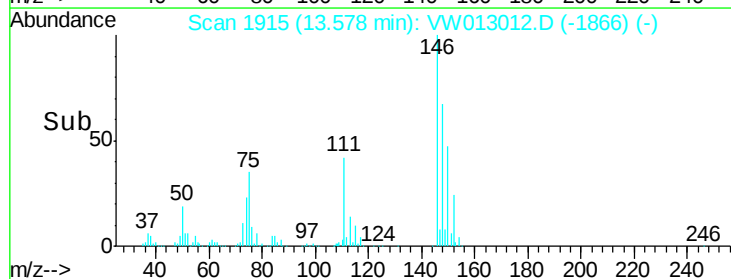
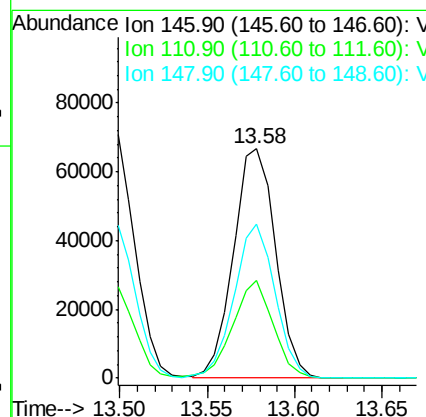
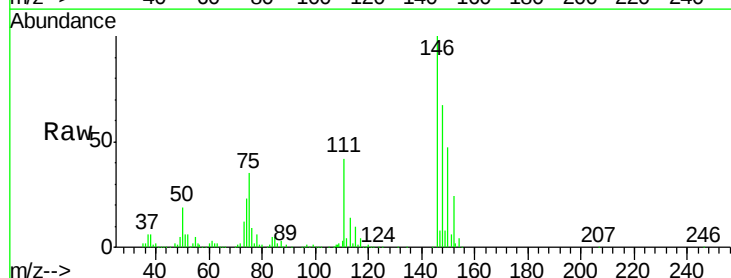
RT: 13.58 min Scan# 1915

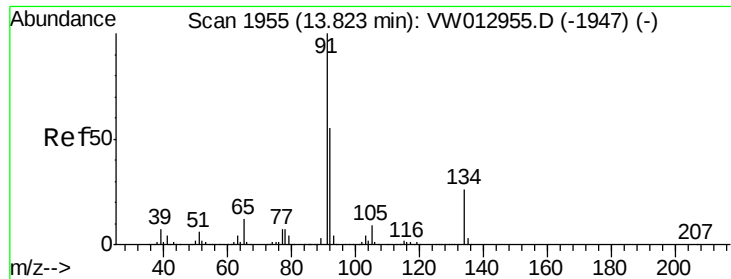
Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	111799		
111	40.9	19.4	58.2	
148	65.2	31.9	95.5	





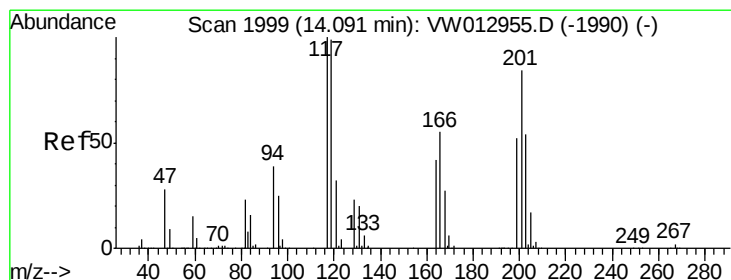
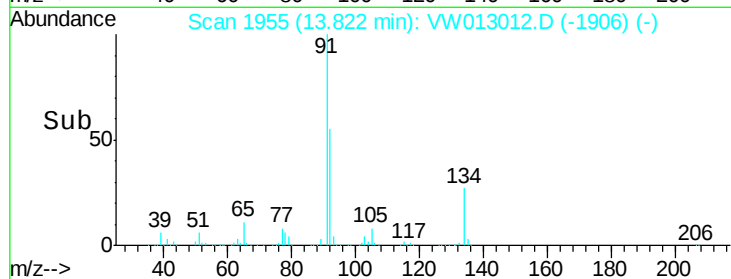
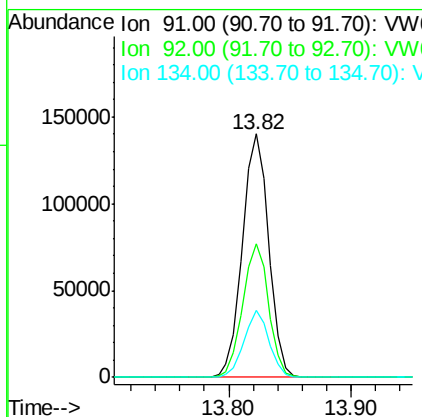
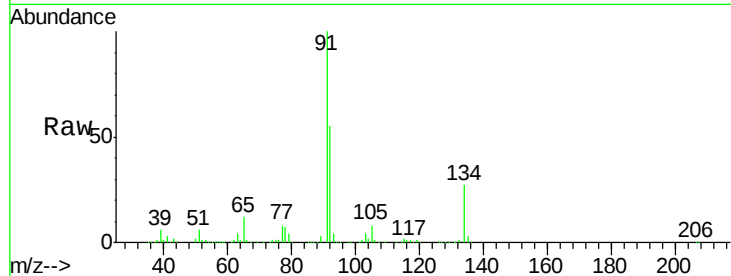
#89
n-Butylbenzene
Concen: 18.204 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	209422		
92	53.9		27.2	81.5
134	26.1		13.1	39.1

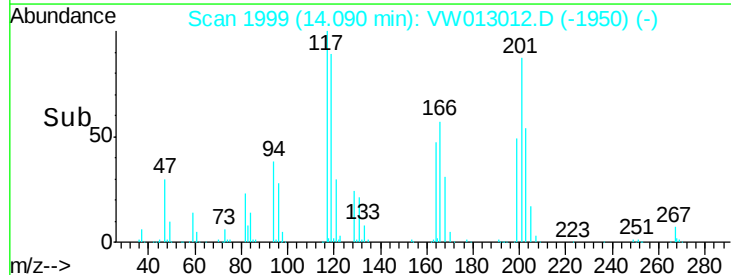
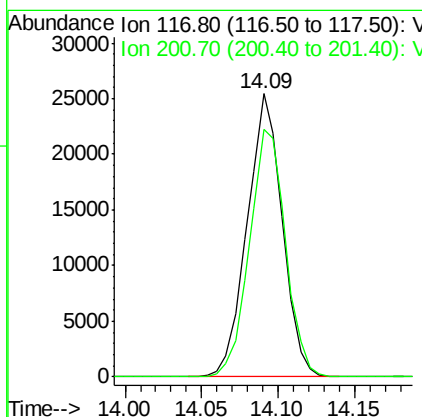
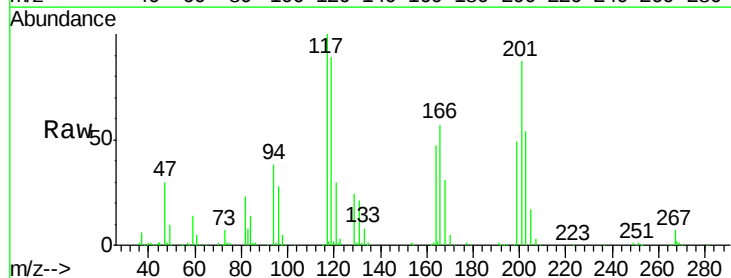
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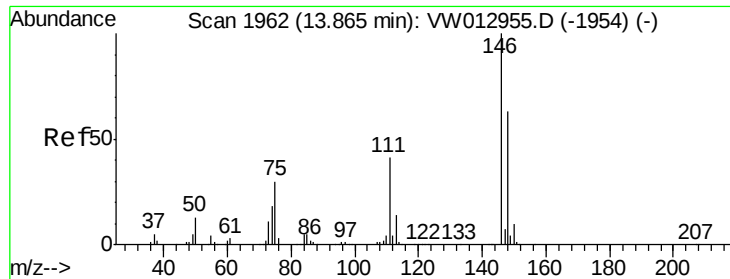
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#90
Hexachloroethane
Concen: 18.559 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40570		
201	89.6		45.3	135.9





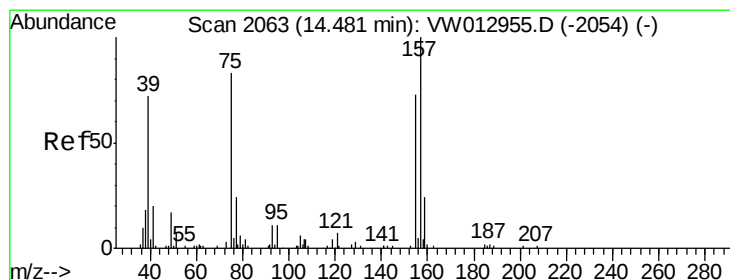
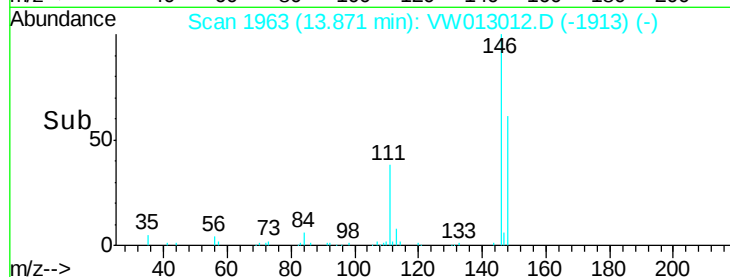
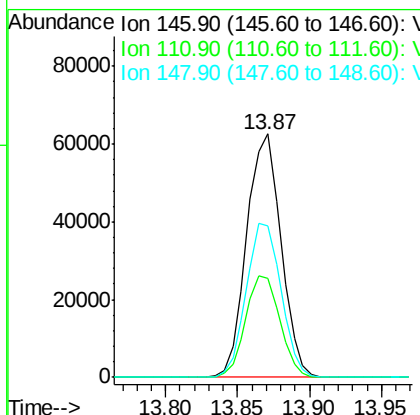
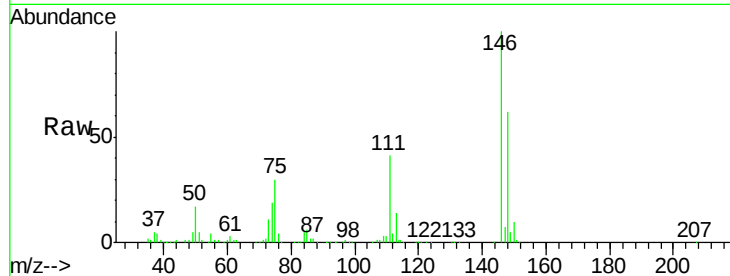
#91
 1,2-Dichlorobenzene
 Concen: 19.953 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.5
148	64.4	32.7	98.1

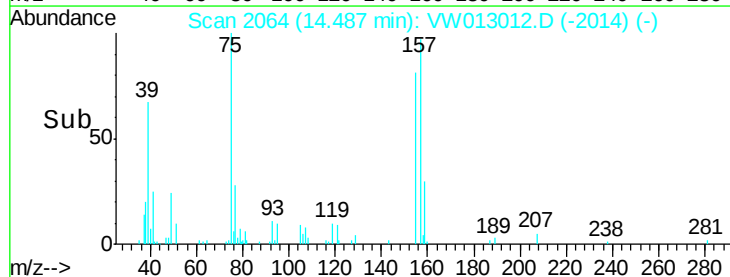
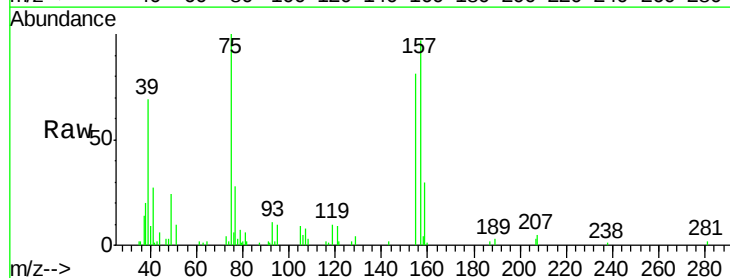
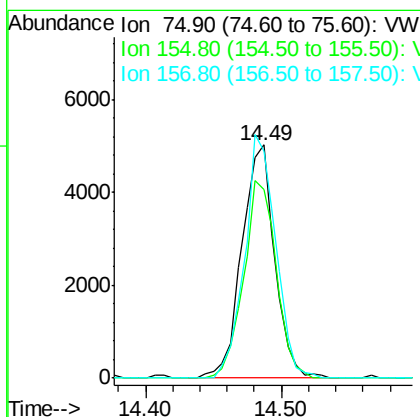
Manual Integrations
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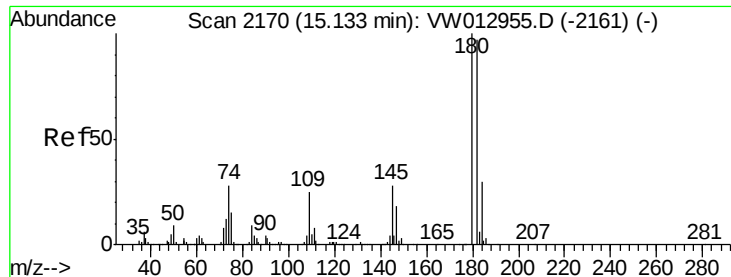
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.403 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	43.3	129.9
157	99.4	54.7	164.1





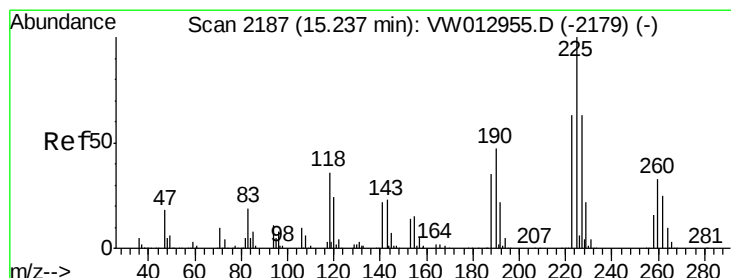
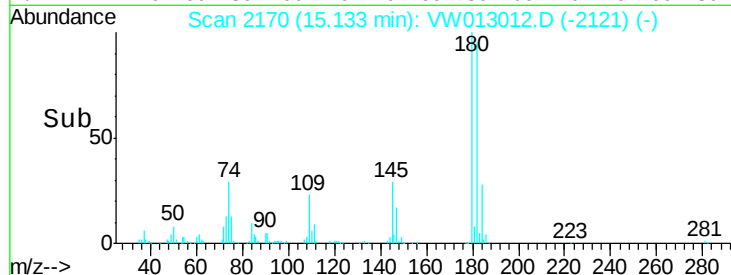
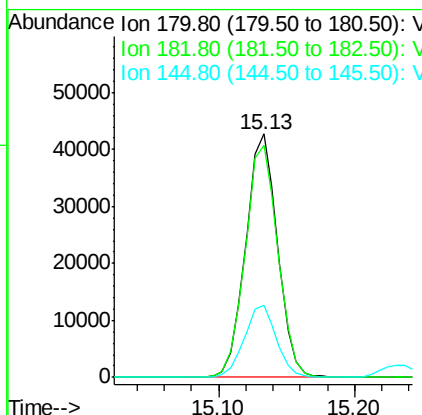
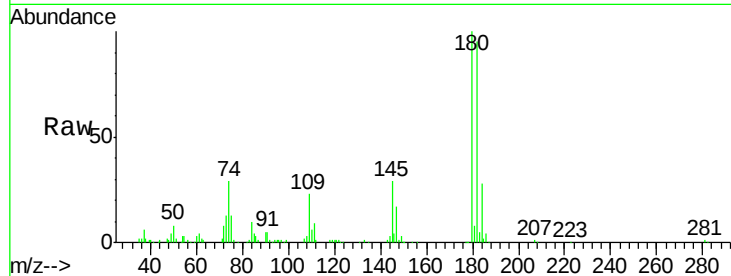
#93
 1,2,4-Trichlorobenzene
 Concen: 19.036 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	70166		
182	97.3	47.4	142.2	
145	29.6	14.9	44.7	

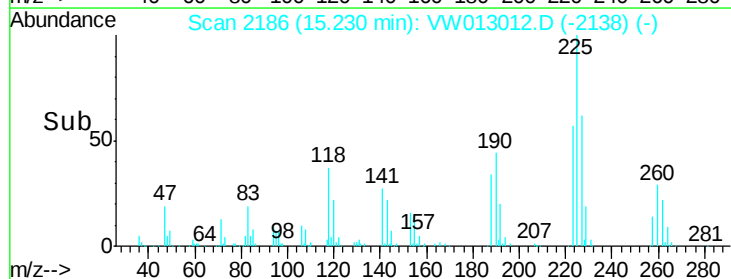
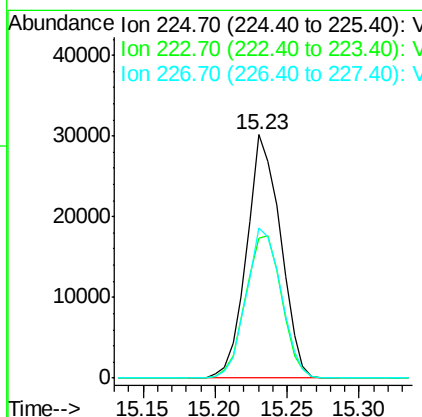
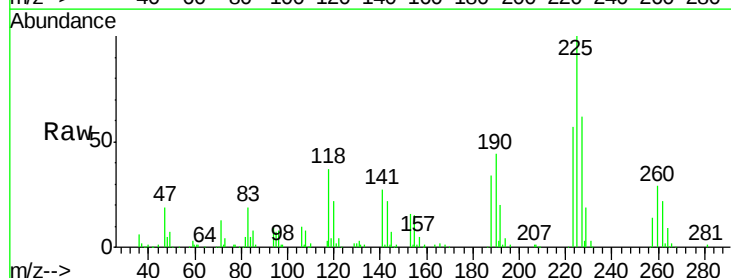
Manual Integrations
 APPROVED

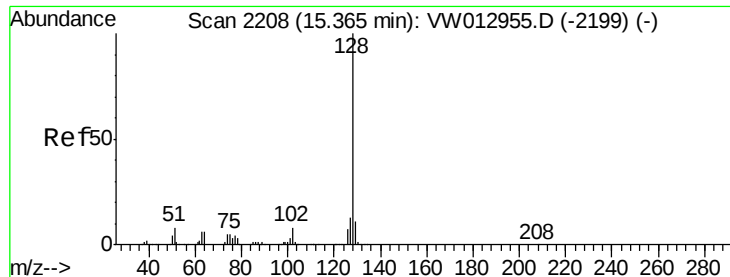
MMDadoda
 9/16/2019 11:14:49 AM



#94
 Hexachlorobutadiene
 Concen: 18.762 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48956		
223	62.7	31.8	95.3	
227	63.7	31.3	93.8	





#95

Naphthalene

Concen: 20.437 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

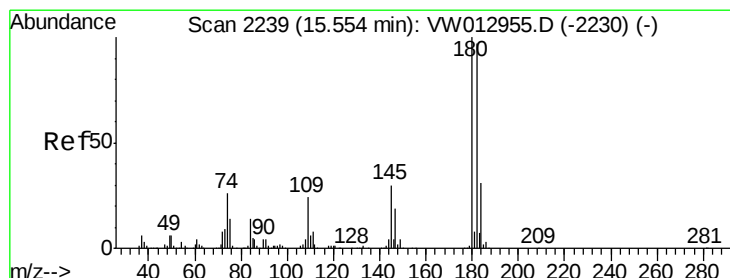
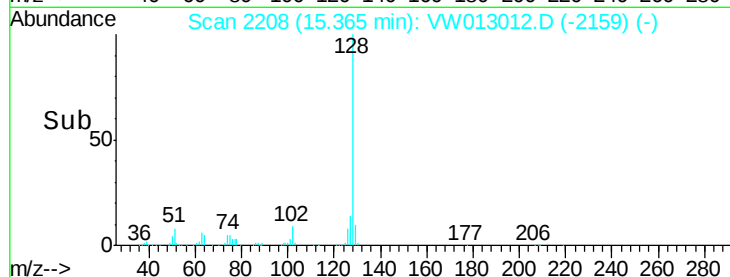
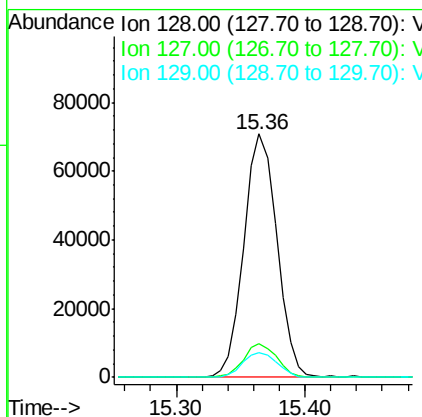
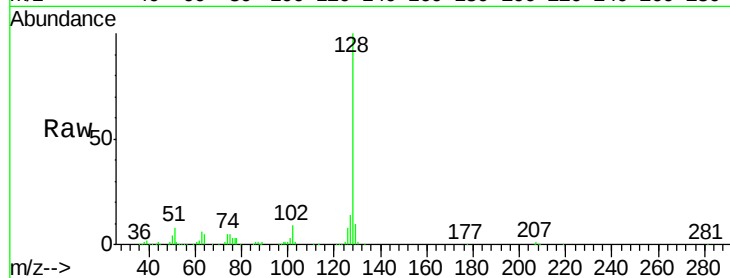
ClientSampleId :

VW0915SBS02

Tot Ion:	128	Resp:	125868
Ion Ratio	Lower	Upper	
128	100		
127	13.8	11.0	16.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.028 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion:	180	Resp:	65256
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.6	142.8
145	31.1	15.4	46.2

