

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091919\
 Data File : VW013155.D
 Acq On : 19 Sep 2019 12:42
 Operator : SY/VA
 Sample : VW0919SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 10:46:13 AM

Quant Time: Sep 20 08:08:05 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	341997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	493101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	426622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	219524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132155	41.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.68%	
35) Dibromofluoromethane	7.88	113	132096	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	10.32	98	542680	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.62	95	185812	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26762	17.537	ug/l	98
3) Chloromethane	2.21	50	35575	18.565	ug/l	99
4) Vinyl Chloride	2.36	62	49505	20.223	ug/l	95
5) Bromomethane	2.78	94	30175	20.185	ug/l	100
6) Chloroethane	2.92	64	30441	20.276	ug/l	97
7) Trichlorofluoromethane	3.25	101	31840	18.600	ug/l	97
8) Diethyl Ether	3.68	74	28311	21.181	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53810	20.726	ug/l	100
10) Methyl Iodide	4.27	142	76310	23.486	ug/l	93
11) Tert butyl alcohol	5.19	59	19188	74.999	ug/l	97
12) 1,1-Dichloroethene	4.04	96	51803	21.944	ug/l	90
13) Acrolein	3.89	56	18965	76.586	ug/l	96
14) Allyl chloride	4.67	41	87215	19.461	ug/l	92
15) Acrylonitrile	5.37	53	62065	90.914	ug/l	99
16) Acetone	4.13	43	54725	65.413	ug/l	92
17) Carbon Disulfide	4.39	76	97984	20.828	ug/l	97
18) Methyl Acetate	4.67	43	33437	18.581	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	89516	19.210	ug/l	98
20) Methylene Chloride	4.92	84	70000	24.820	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	54974	21.743	ug/l	90
22) Diisopropyl ether	6.31	45	187914	20.184	ug/l	94
23) Vinyl Acetate	6.25	43	500527	89.761	ug/l #	95
24) 1,1-Dichloroethane	6.21	63	108548	20.222	ug/l	98
25) 2-Butanone	7.17	43	81138	80.786	ug/l	97
26) 2,2-Dichloropropane	7.17	77	70578	17.937	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	65605	21.673	ug/l	91
28) Bromochloromethane	7.51	49	41335	18.295	ug/l	89
29) Tetrahydrofuran	7.53	42	49442	86.397	ug/l	97
30) Chloroform	7.68	83	107789	19.762	ug/l	97
31) Cyclohexane	7.95	56	92962	20.568	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	84659	18.848	ug/l	98
36) 1,1-Dichloropropene	8.08	75	83154	21.103	ug/l	97
37) Ethyl Acetate	7.25	43	33094	15.823	ug/l	95
38) Carbon Tetrachloride	8.07	117	75888	18.794	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93510	21.657	ug/l	97
40) Benzene	8.32	78	236299	21.482	ug/l	97
41) Methacrylonitrile	7.48	41	23638	17.162	ug/l	96
42) 1,2-Dichloroethane	8.40	62	66194	17.951	ug/l	95
43) Isopropyl Acetate	8.42	43	67948	16.921	ug/l	93
44) Trichloroethene	9.09	130	65547	21.755	ug/l	89
45) 1,2-Dichloropropane	9.37	63	62132	21.260	ug/l	99
46) Dibromomethane	9.46	93	28877	20.624	ug/l	98
47) Bromodichloromethane	9.65	83	75931	19.333	ug/l	96
48) Methyl methacrylate	9.43	41	31215	16.563	ug/l	92
49) 1,4-Dioxane	9.46	88	7919	337.527	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	176150	84.965	ug/l	94
52) Toluene	10.38	92	152245	21.781	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	75128	19.020	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	93306	20.645	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	45221	21.200	ug/l	96
56) Ethyl methacrylate	10.65	69	55196	19.225	ug/l	90
57) 1,3-Dichloropropane	10.93	76	76821	20.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	144109	93.568	ug/l	97
59) 2-Hexanone	10.97	43	119973	83.107	ug/l	93
60) Dibromochloromethane	11.13	129	51335	19.906	ug/l	99
61) 1,2-Dibromoethane	11.24	107	40589	20.860	ug/l	99
64) Tetrachloroethene	10.86	164	54449	21.454	ug/l	99
65) Chlorobenzene	11.66	112	165241	21.745	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	60149	20.655	ug/l	97
67) Ethyl Benzene	11.73	91	301199	21.461	ug/l	99
68) m/p-Xylenes	11.84	106	226546	44.186	ug/l	95
69) o-Xylene	12.16	106	105645	21.979	ug/l	96
70) Styrene	12.18	104	185387	21.681	ug/l	96
71) Bromoform	12.35	173	29032	18.980	ug/l #	99
73) Isopropylbenzene	12.46	105	301350	20.710	ug/l	99
74) N-amyl acetate	12.27	43	63027	16.839	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	48833	19.108	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31630m	16.449	ug/l	
77) Bromobenzene	12.74	156	70616	21.066	ug/l	93
78) n-propylbenzene	12.80	91	347198	20.285	ug/l	98
79) 2-Chlorotoluene	12.89	91	198144	20.138	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	250266	20.331	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	15200	17.932	ug/l	93
82) 4-Chlorotoluene	12.99	91	211277	20.351	ug/l	97
83) tert-Butylbenzene	13.21	119	226491	20.570	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	253333	20.826	ug/l	97
85) sec-Butylbenzene	13.38	105	314778	20.983	ug/l	99
86) p-Isopropyltoluene	13.50	119	287370	20.865	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	139842	21.074	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	138459	21.233	ug/l	100
89) n-Butylbenzene	13.82	91	260372	20.045	ug/l	98
90) Hexachloroethane	14.09	117	48919	19.820	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	124463	21.328	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7423	15.868	ug/l	90

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ClientSampleId :
VW0919SBSD01

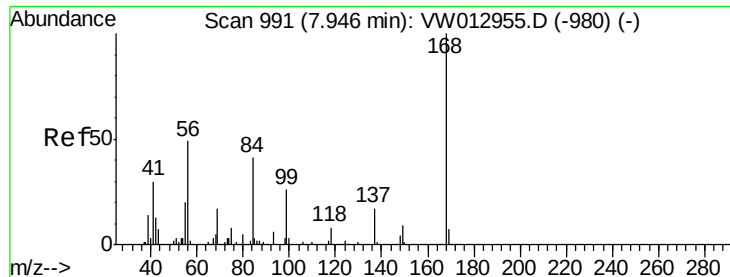
Manual Integrations
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QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	86460	20.775	ug/l	99
94) Hexachlorobutadiene	15.24	225	59780	20.291	ug/l	99
95) Naphthalene	15.36	128	130798	18.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	73779	20.055	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

VW0919SBS01

Tot Ion:168 Resp: 341997

Ion Ratio Lower Upper

168 100

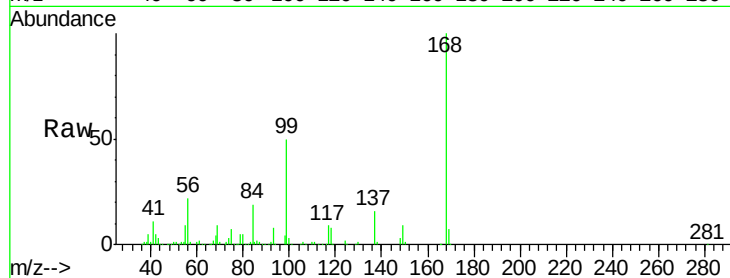
99 49.7 46.2 69.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

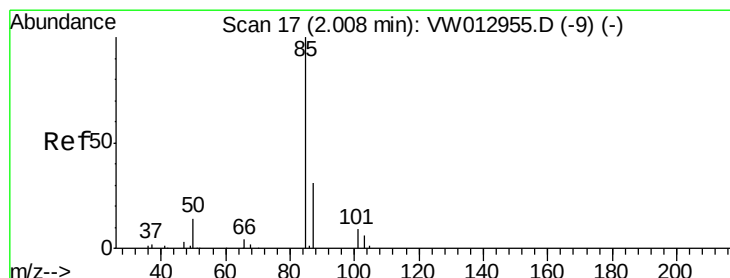
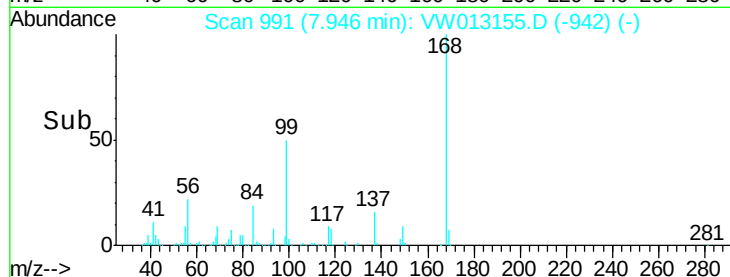
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.537 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013155.D

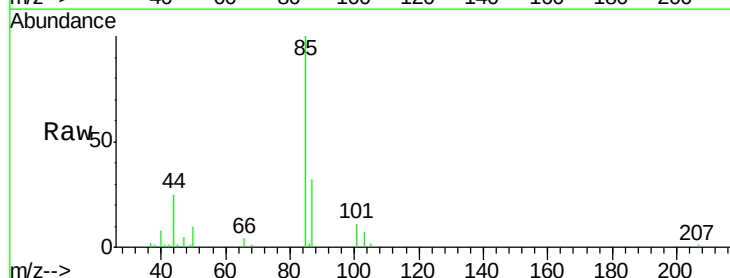
Acq: 19 Sep 2019 12:42

Tgt Ion: 85 Resp: 26762

Ion Ratio Lower Upper

85 100

87 32.1 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

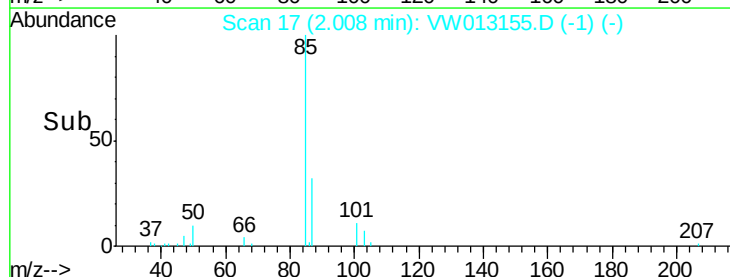
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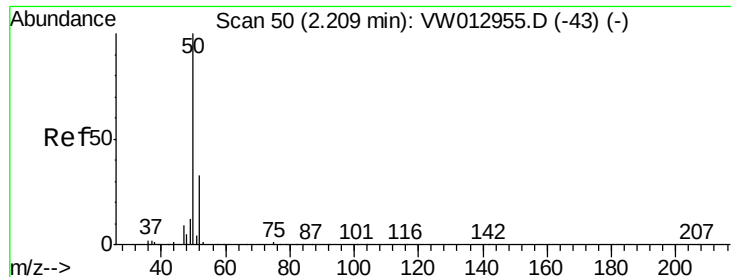
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.565 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 50 Resp: 35575

Ion Ratio Lower Upper

50 100

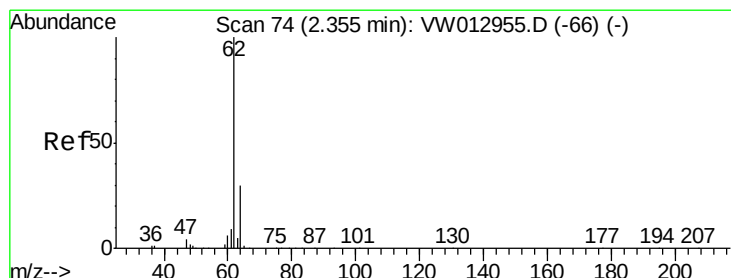
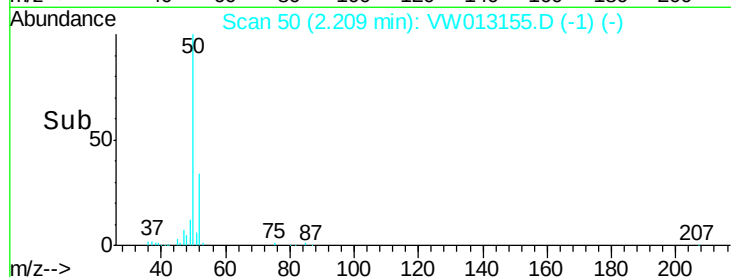
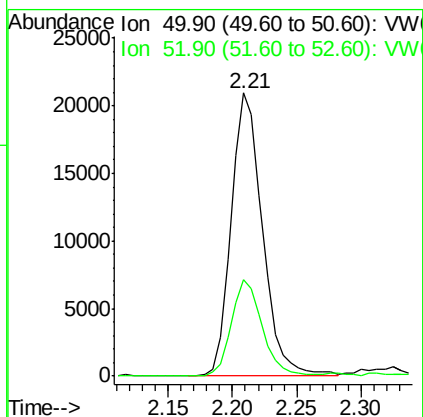
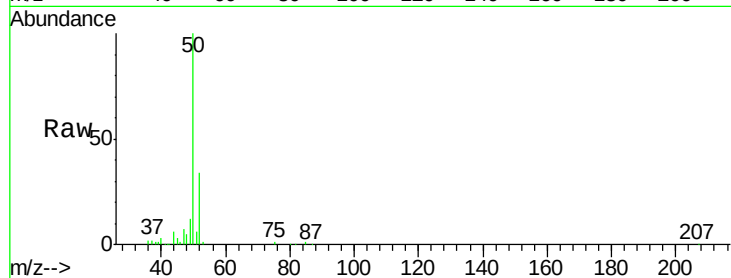
52 34.0 26.6 39.8

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#4

Vinyl Chloride

Concen: 20.223 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013155.D

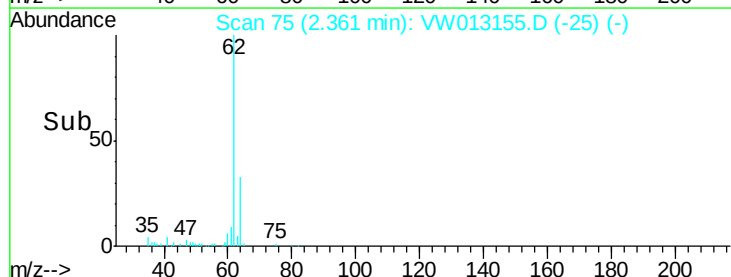
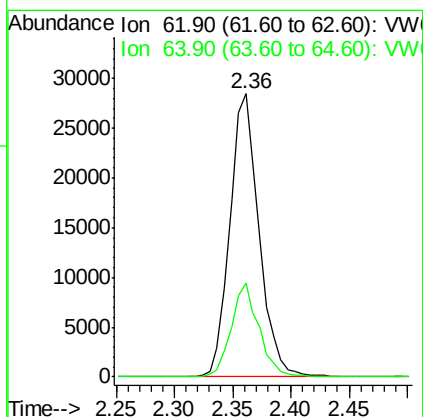
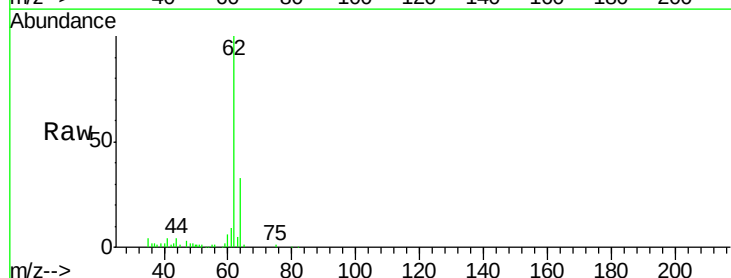
Acq: 19 Sep 2019 12:42

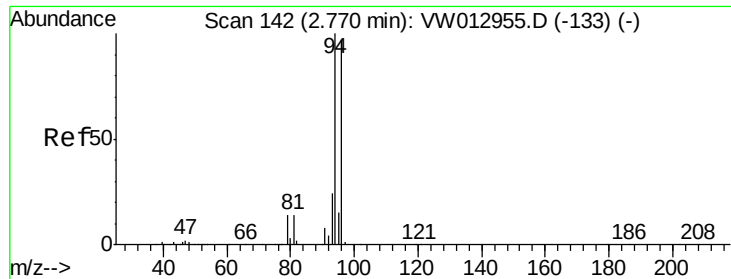
Tgt Ion: 62 Resp: 49505

Ion Ratio Lower Upper

62 100

64 33.0 24.2 36.4





#5

Bromomethane

Concen: 20.185 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBSD01

Tot Ion: 94 Resp: 30175

Ion Ratio Lower Upper

94 100

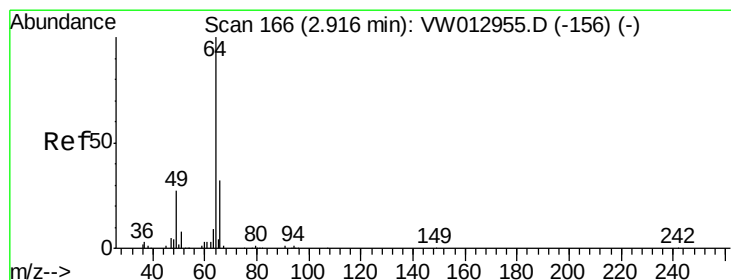
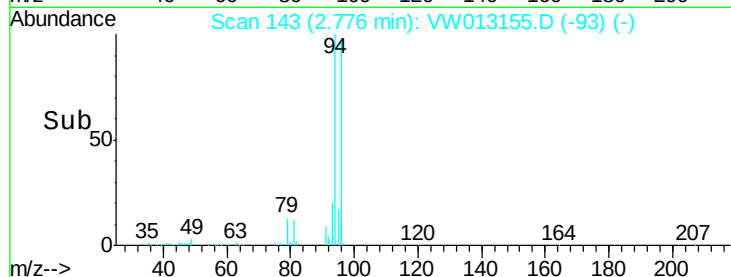
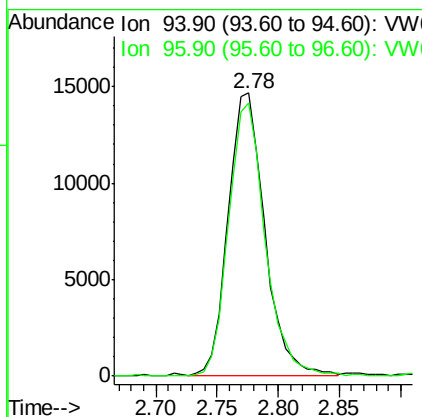
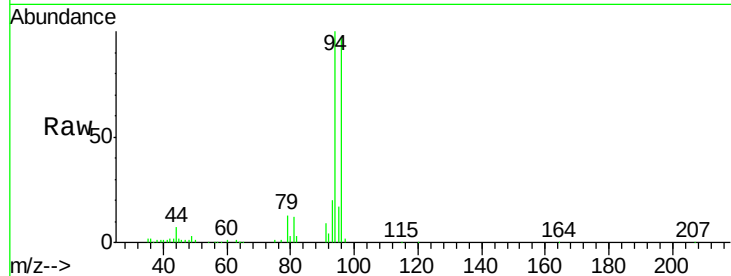
96 97.0 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 20.276 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013155.D

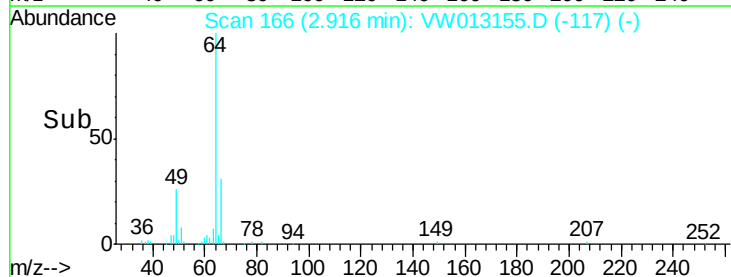
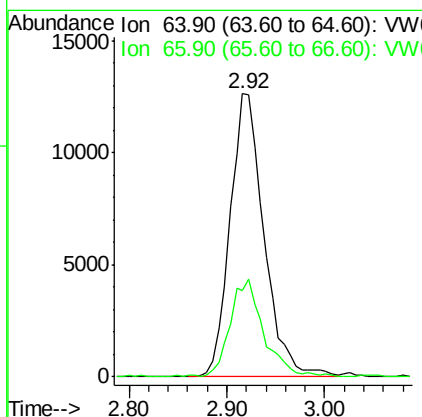
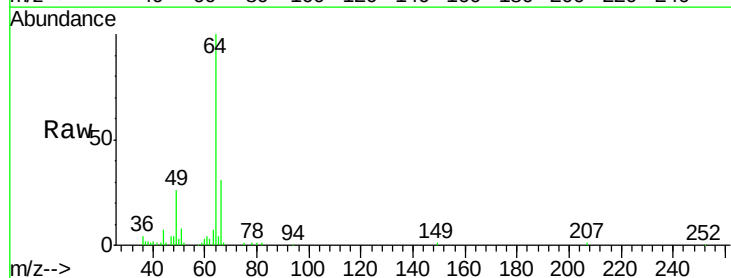
Acq: 19 Sep 2019 12:42

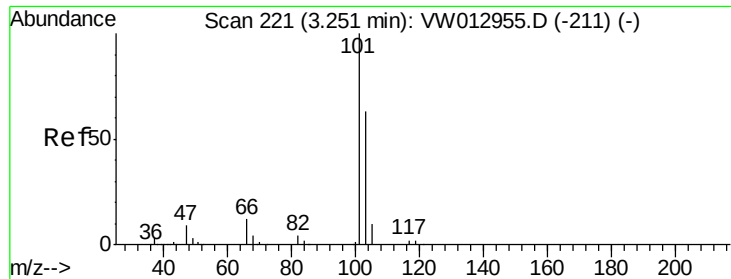
Tgt Ion: 64 Resp: 30441

Ion Ratio Lower Upper

64 100

66 30.6 25.9 38.9





#7

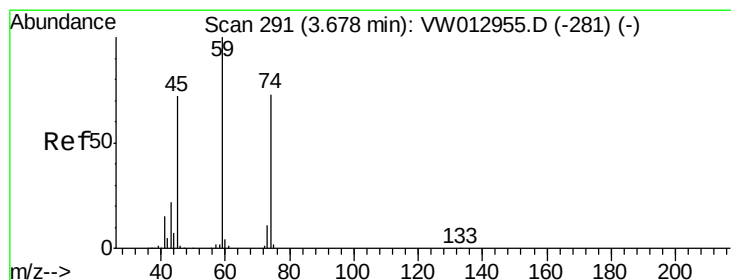
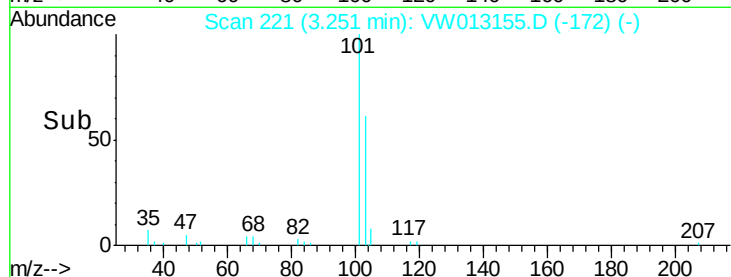
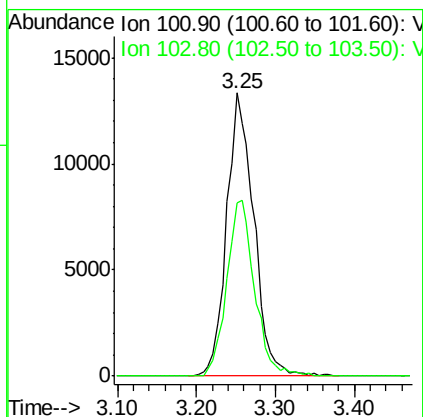
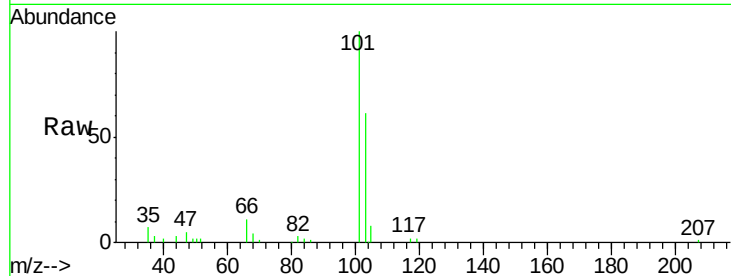
Trichlorofluoromethane
Concen: 18.600 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
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ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	50.7	76.1

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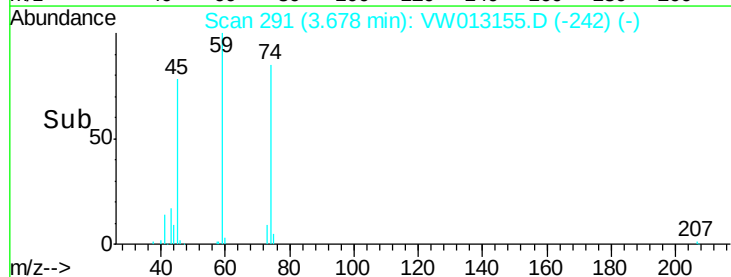
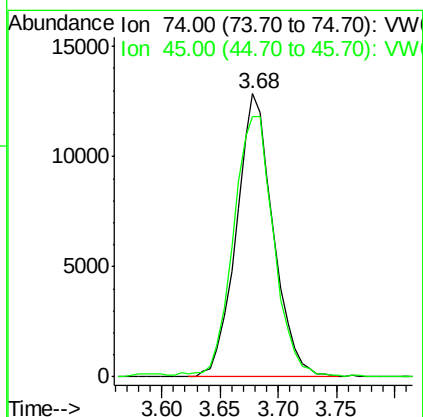
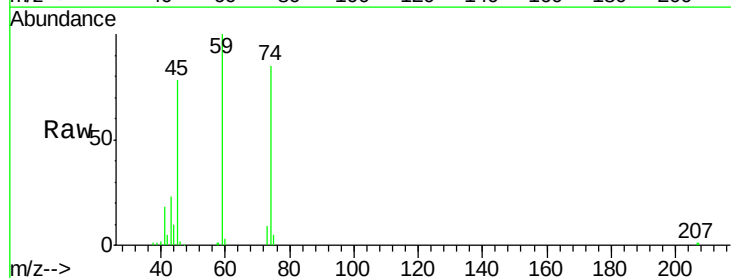
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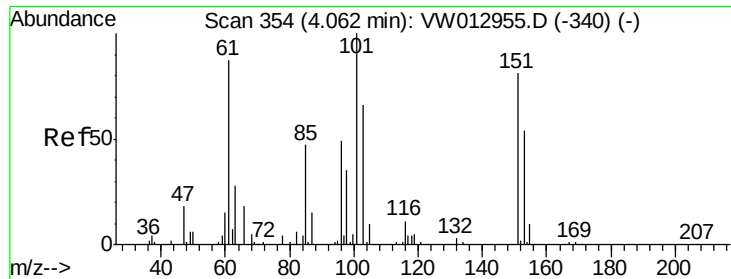


#8

Diethyl Ether
Concen: 21.181 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.726 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

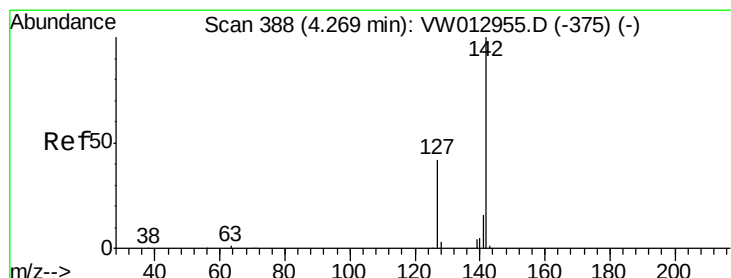
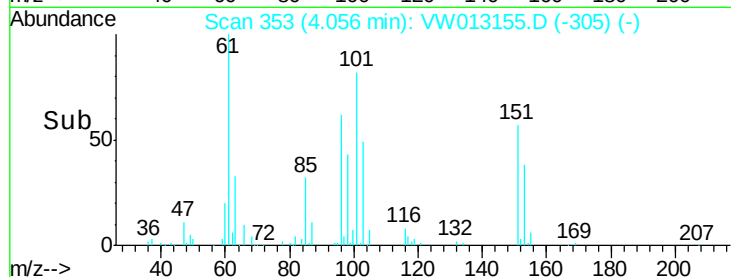
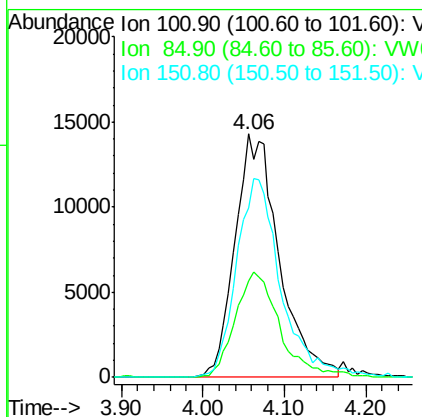
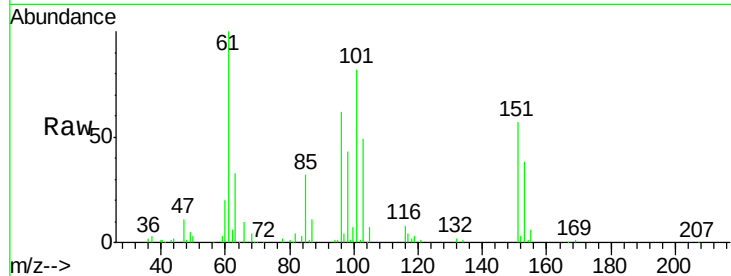
ClientSampleId :

VW0919SBS01

Tot Ion:	101	Resp:	53810
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.9	52.3
151	82.7	66.0	99.0

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#10

Methyl Iodide

Concen: 23.486 ug/l

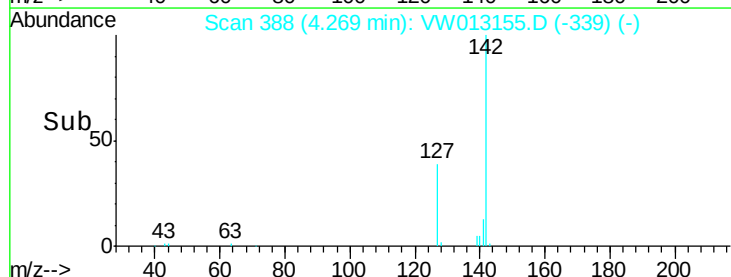
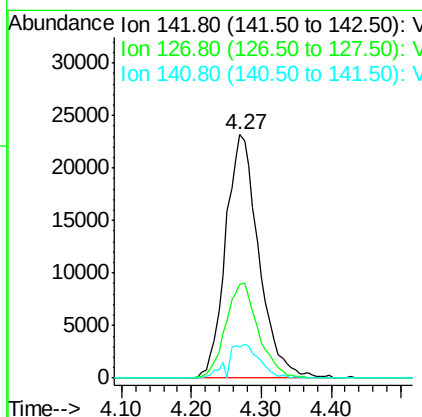
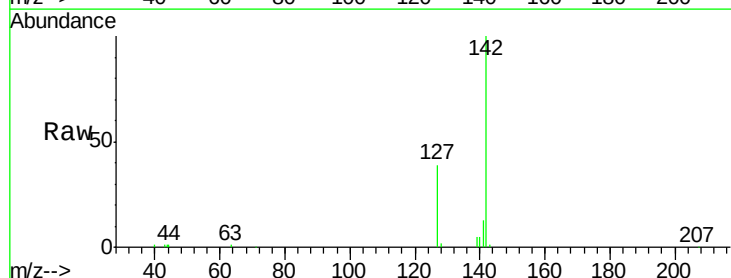
RT: 4.27 min Scan# 388

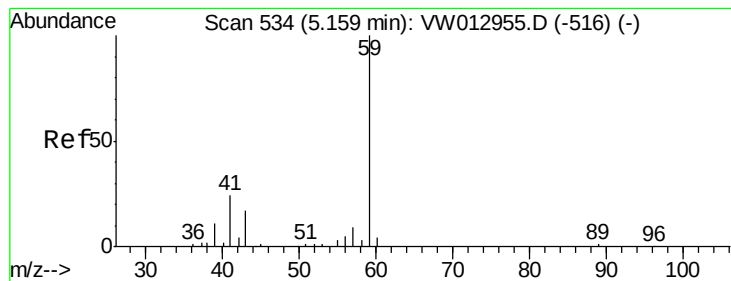
Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Tgt Ion:	142	Resp:	76310
Ion Ratio	Lower	Upper	
142	100		
127	38.5	34.7	52.1
141	13.3	12.2	18.2





#11

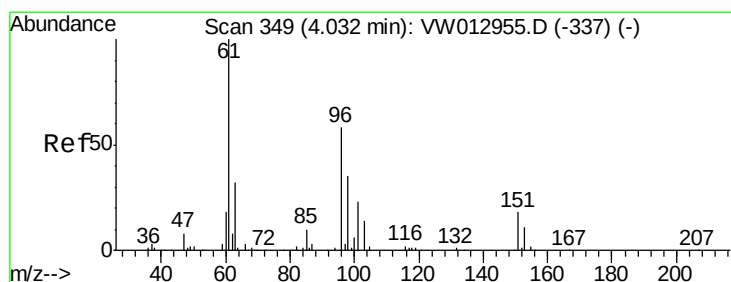
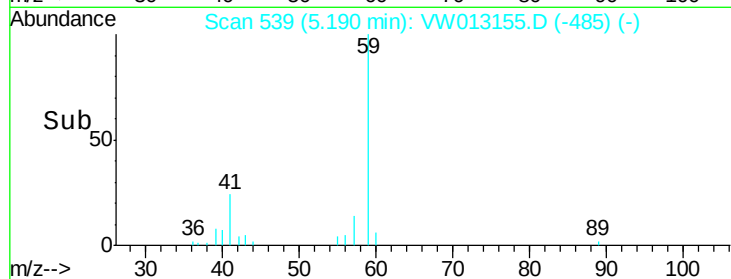
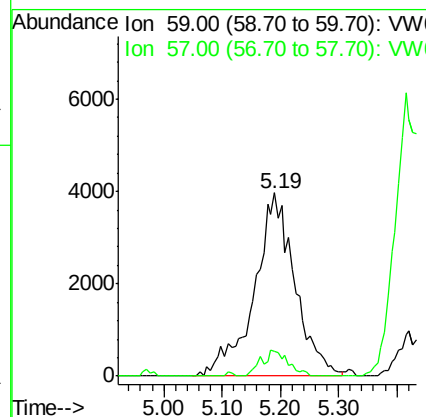
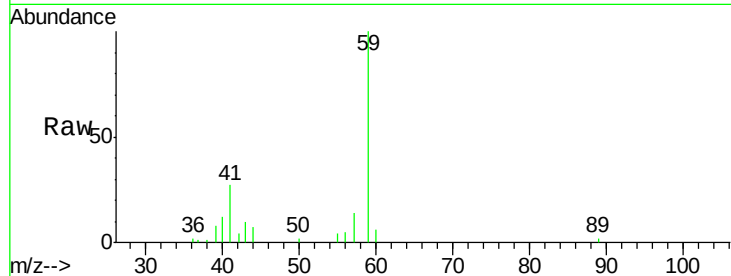
Tert butyl alcohol
Concen: 74.999 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.03 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampled :
VW0919SBS01

Tot Ion	59	Resp	19188
Ion Ratio	100	Lower	Upper
57	9.3	8.5	12.7

Manual Integrations
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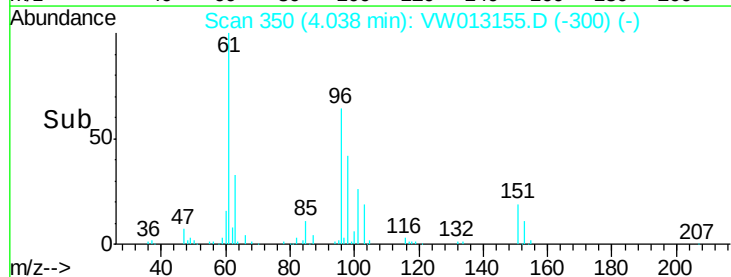
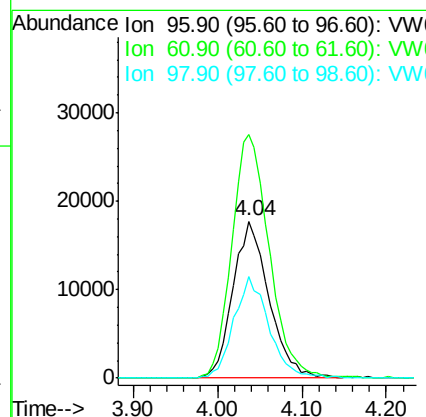
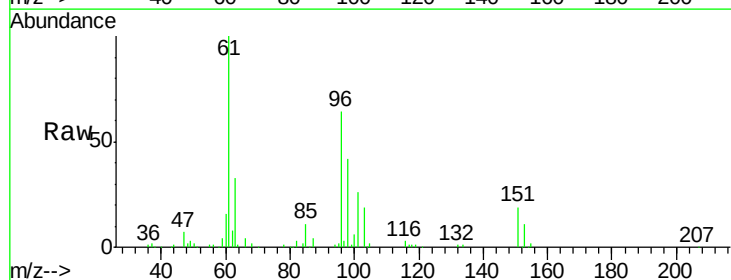
MMDadoda
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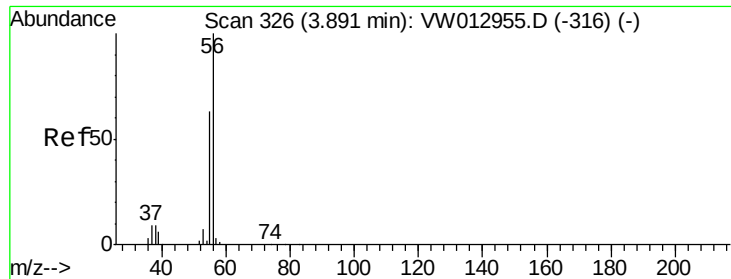


#12

1,1-Dichloroethene
Concen: 21.944 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	96	Resp	51803
Ion Ratio	100	Lower	Upper
61	155.5	137.9	206.9
98	64.7	48.9	73.3





#13

Acrolein

Concen: 76.586 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 56 Resp: 18965

Ion Ratio Lower Upper

56 100

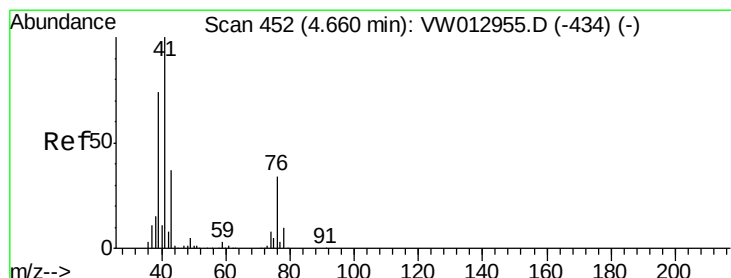
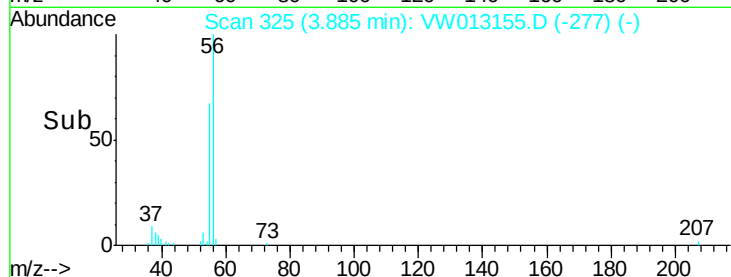
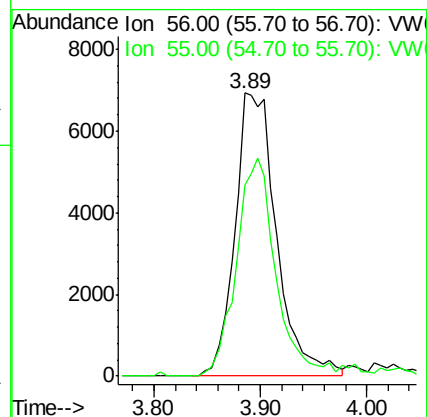
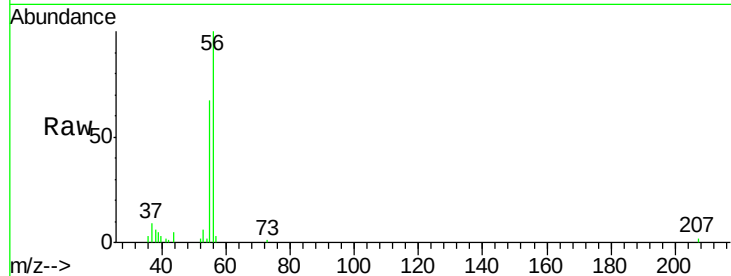
55 73.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.461 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

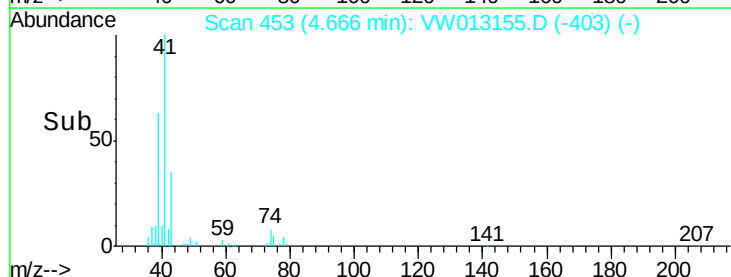
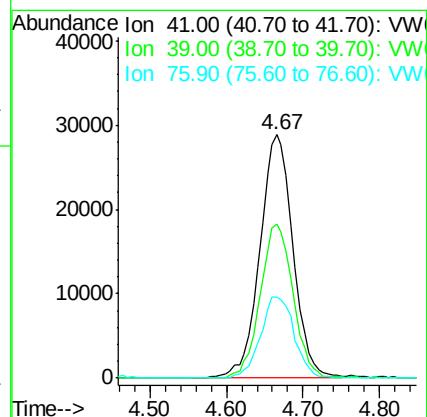
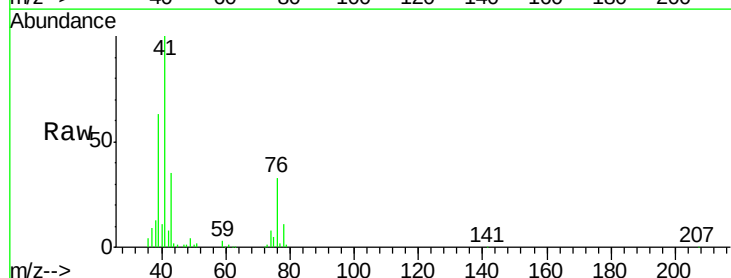
Tgt Ion: 41 Resp: 87215

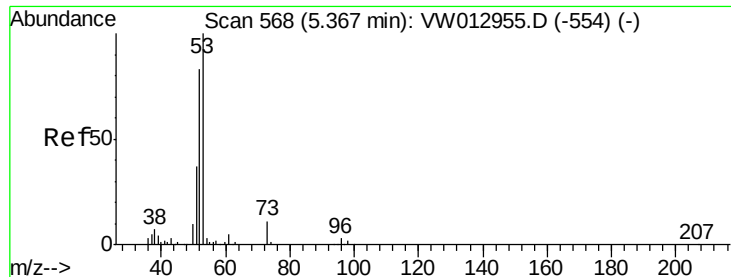
Ion Ratio Lower Upper

41 100

39 62.8 56.7 85.1

76 34.0 25.1 37.7





#15

Acrylonitrile

Concen: 90.914 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

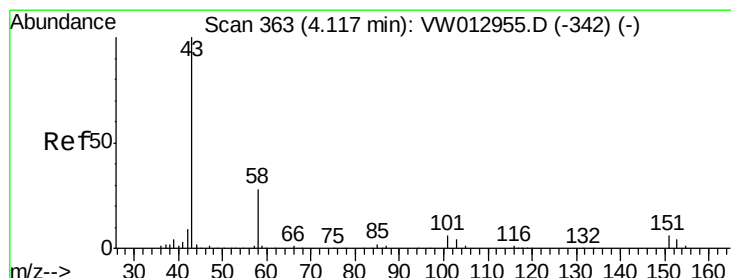
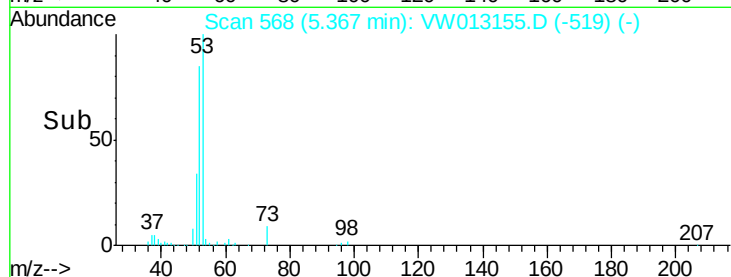
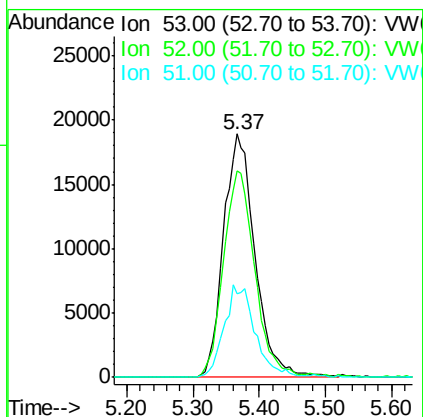
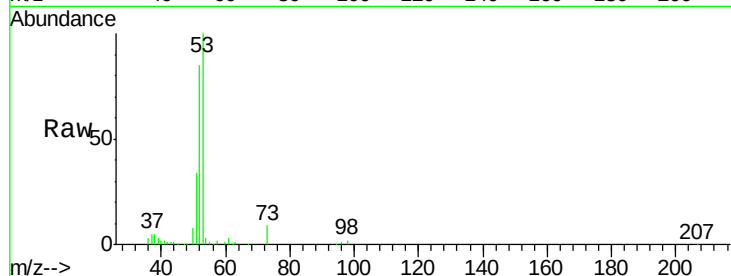
ClientSampleId :

VW0919SBS01

Tot Ion:	53	Resp:	62065
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.6	100.0
51	37.6	29.8	44.8

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#16

Acetone

Concen: 65.413 ug/l

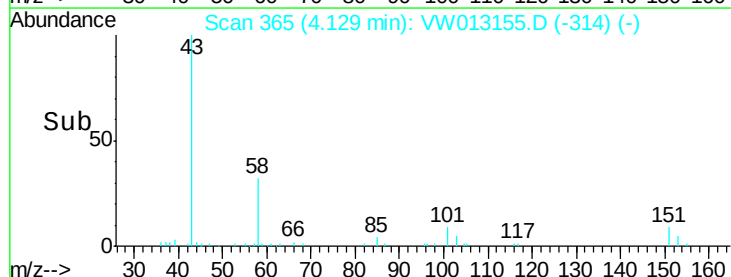
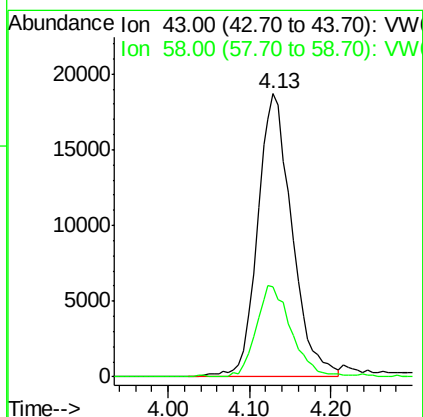
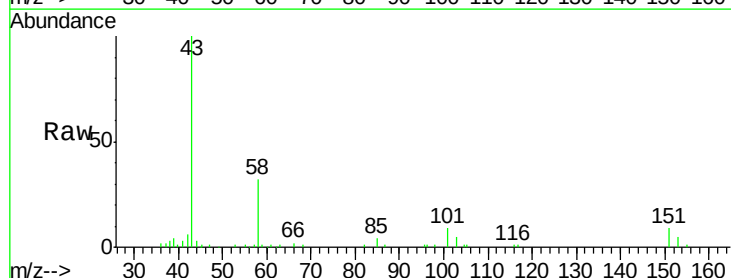
RT: 4.13 min Scan# 365

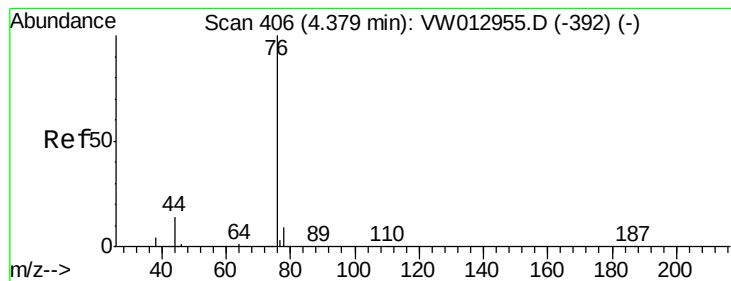
Delta R.T. 0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Tgt Ion:	43	Resp:	54725
Ion	Ratio	Lower	Upper
43	100		
58	32.0	22.3	33.5





#17

Carbon Disulfide

Concen: 20.828 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBSD01

Tot Ion: 76 Resp: 97984

Ion Ratio Lower Upper

76 100

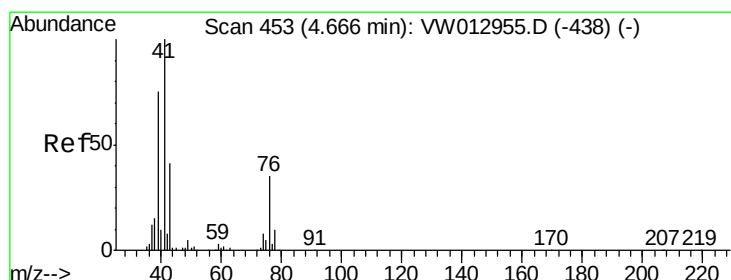
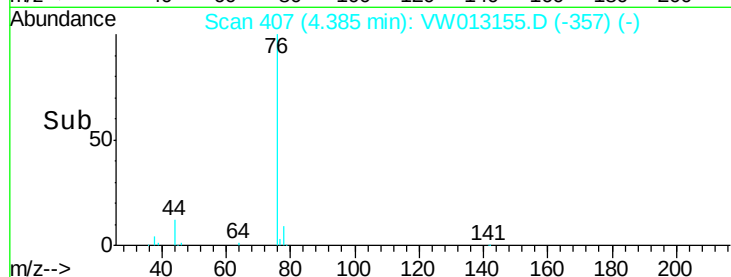
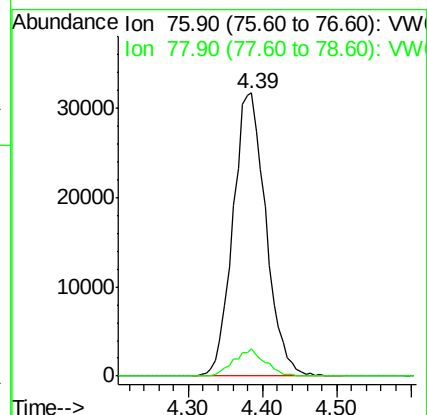
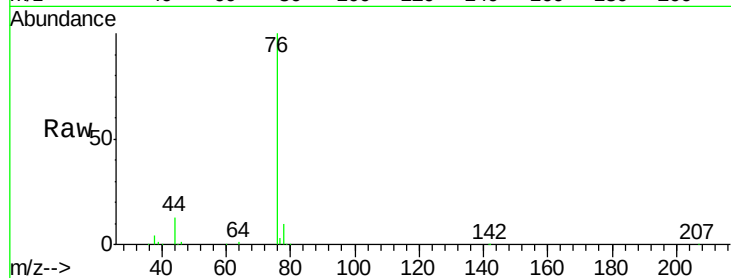
78 9.8 7.0 10.4

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#18

Methyl Acetate

Concen: 18.581 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013155.D

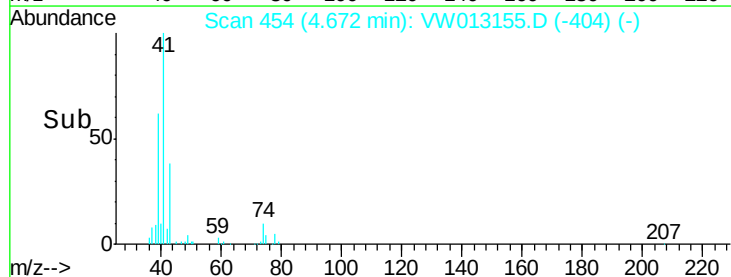
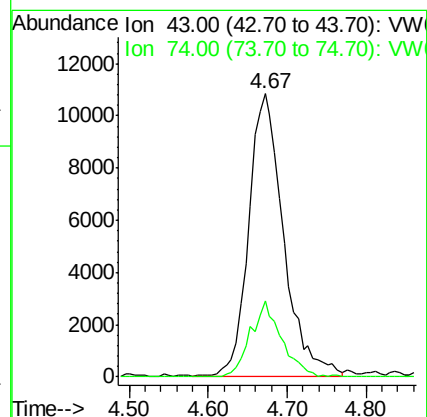
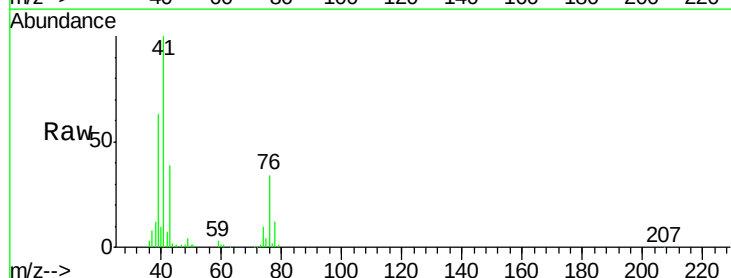
Acq: 19 Sep 2019 12:42

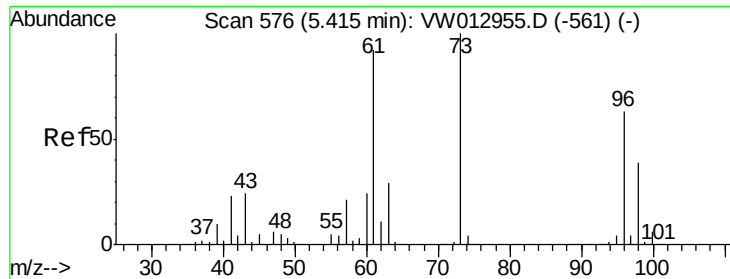
Tgt Ion: 43 Resp: 33437

Ion Ratio Lower Upper

43 100

74 23.7 17.8 26.8





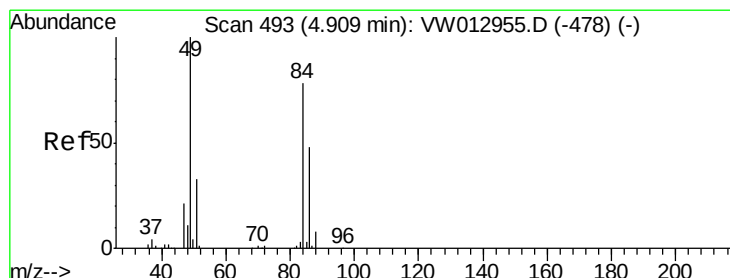
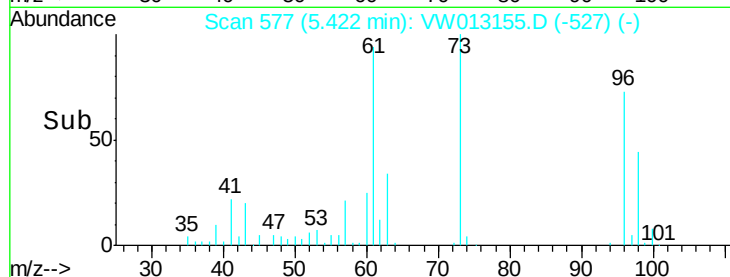
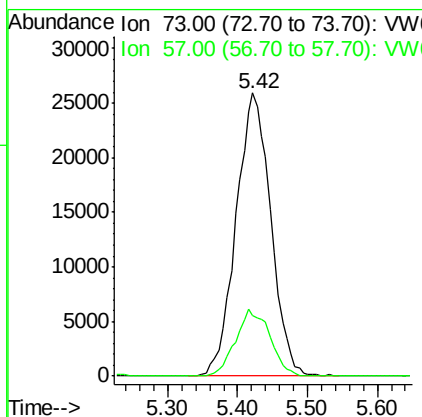
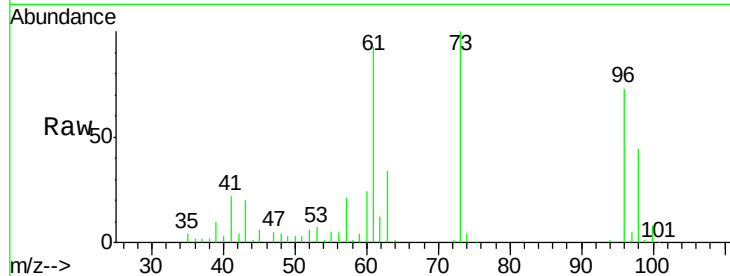
#19
Methyl tert-butyl Ether
Concen: 19.210 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion: 73 Resp: 89516
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6

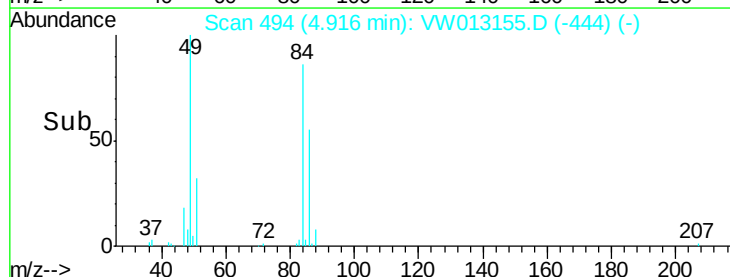
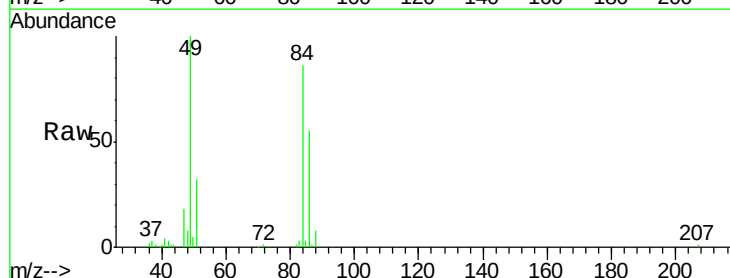
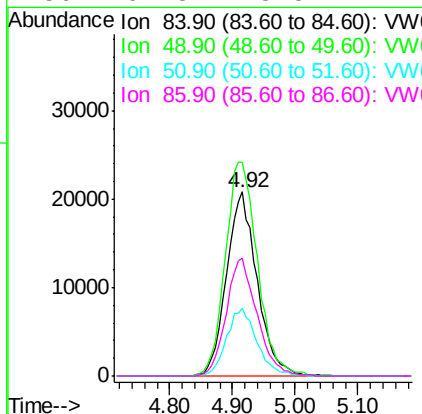
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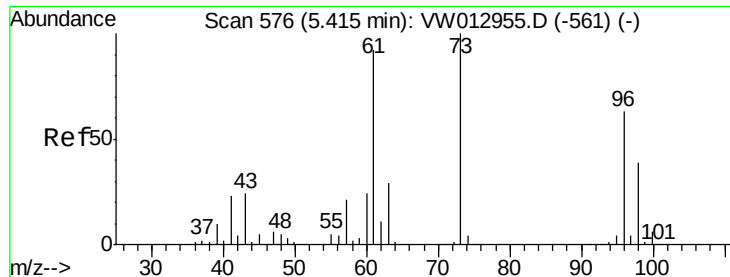
MMDadoda
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#20
Methylene Chloride
Concen: 24.820 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion: 84 Resp: 70000
Ion Ratio Lower Upper
84 100
49 116.2 102.0 153.0
51 36.7 34.0 51.0
86 64.3 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 21.743 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 96 Resp: 54974

Ion Ratio Lower Upper

96 100

61 128.3 116.2 174.2

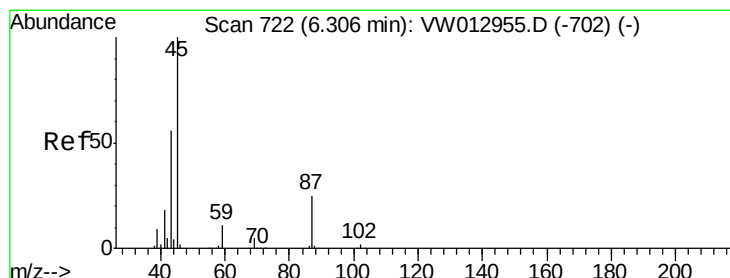
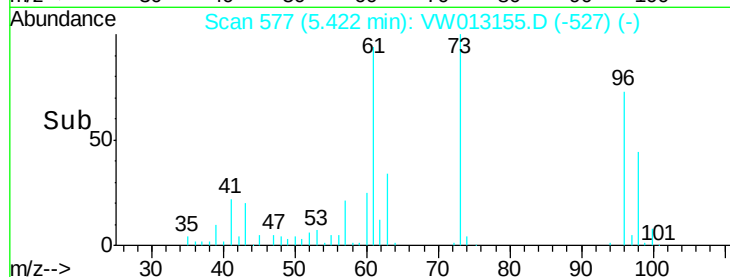
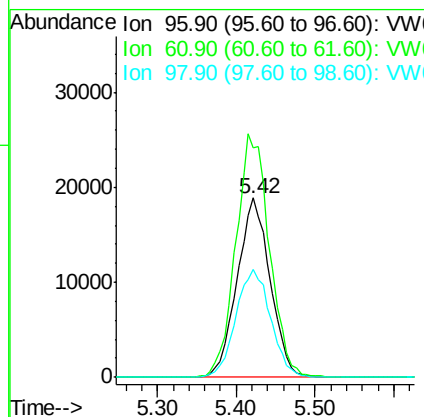
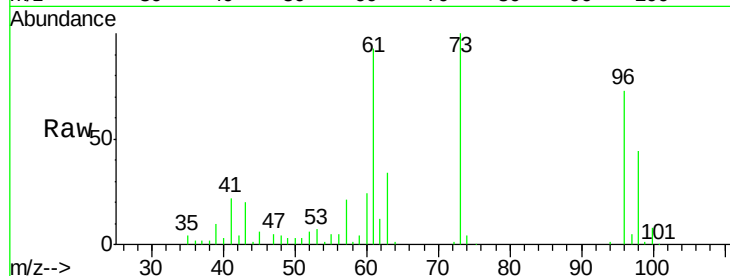
98 60.4 49.8 74.6

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#22

Diisopropyl ether

Concen: 20.184 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Tgt Ion: 45 Resp: 187914

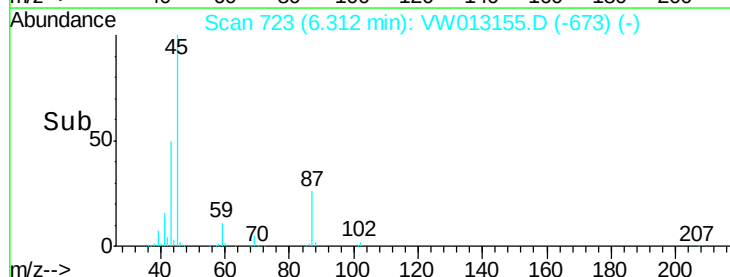
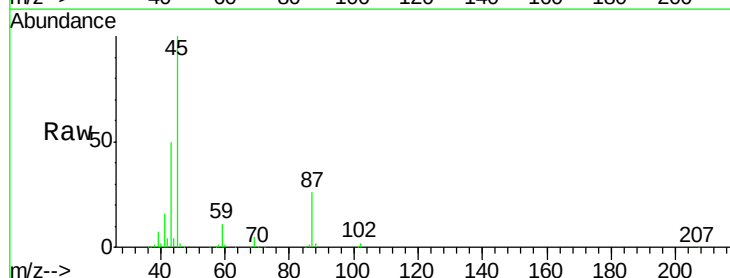
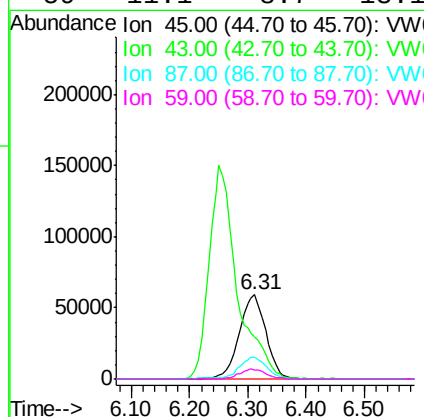
Ion Ratio Lower Upper

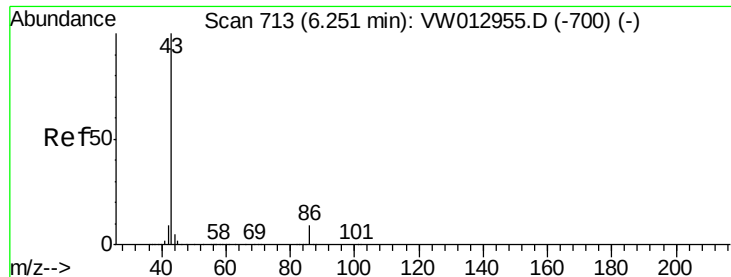
45 100

43 49.2 44.6 67.0

87 26.4 20.0 30.0

59 11.1 8.7 13.1





#23

Vinyl Acetate

Concen: 89.761 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBSD01

Tot Ion: 43 Resp: 500527

Ion Ratio Lower Upper

43 100

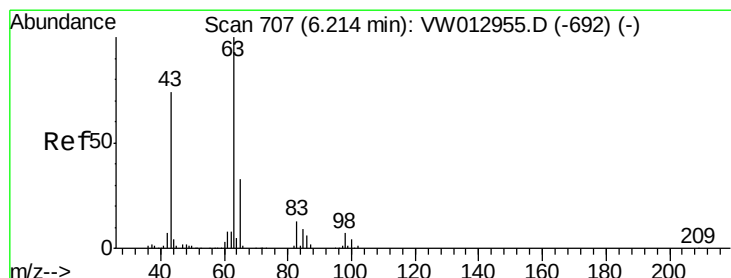
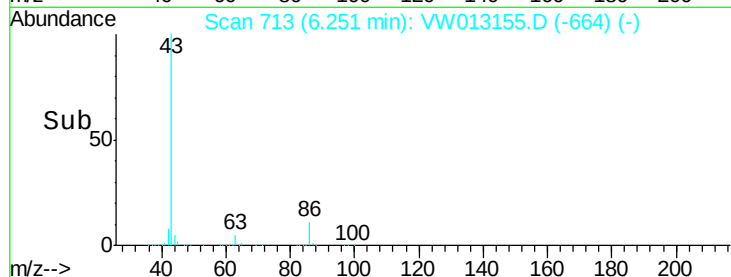
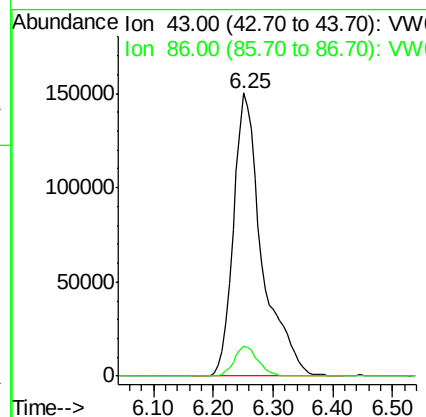
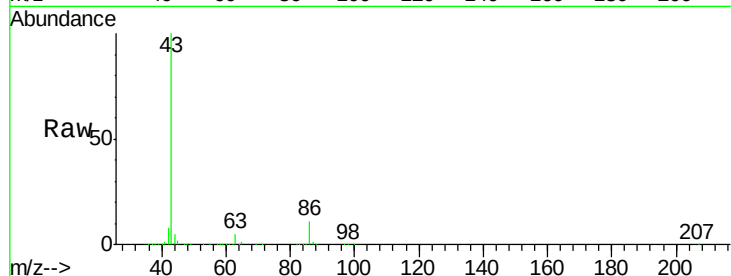
86 10.6 7.0 10.6#

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#24

1,1-Dichloroethane

Concen: 20.222 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

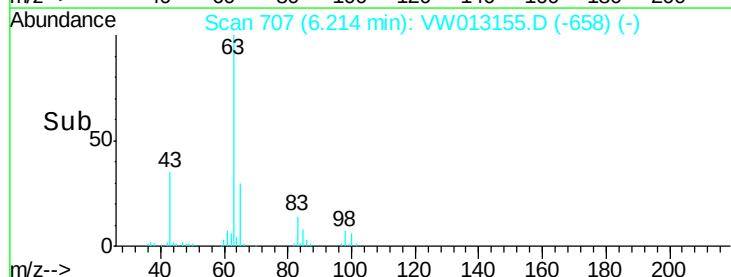
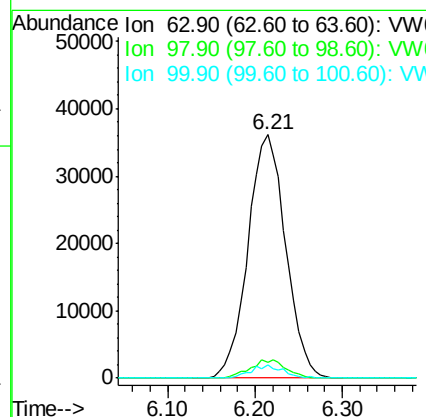
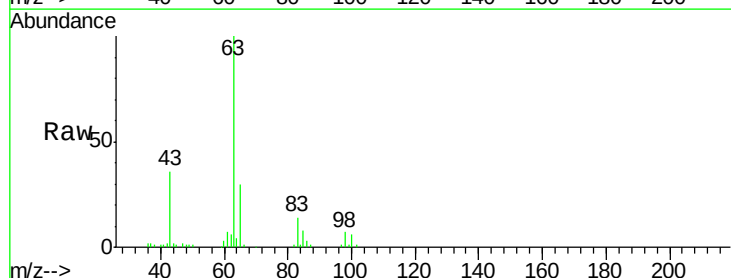
Tgt Ion: 63 Resp: 108548

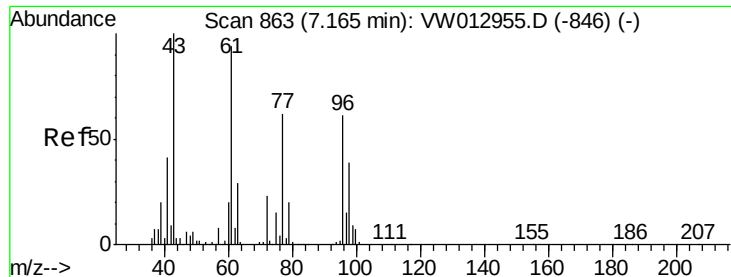
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 5.5 1.8 5.5





#25

2-Butanone

Concen: 80.786 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampled :

VW0919SBS01

Tot Ion: 43 Resp: 81138

Ion Ratio Lower Upper

43 100

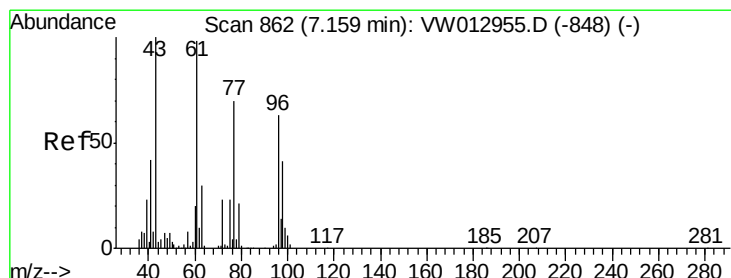
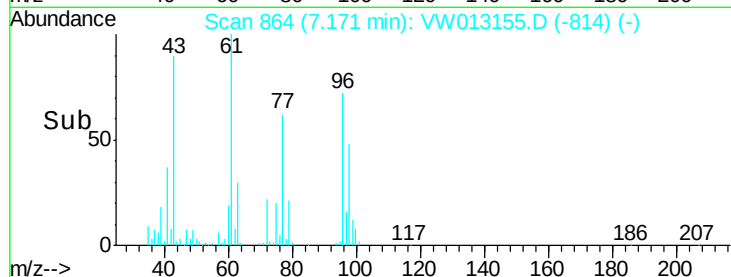
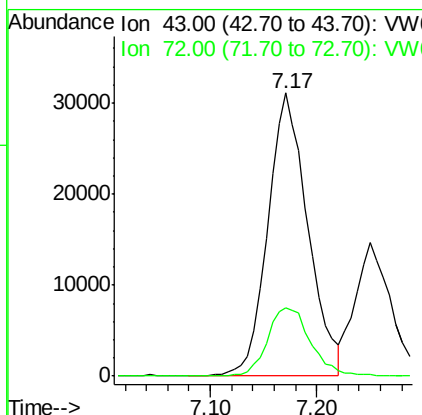
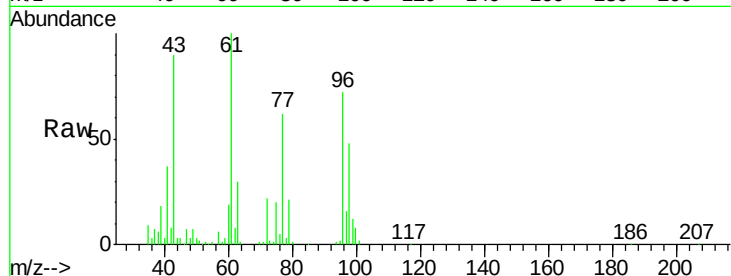
72 24.2 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.937 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013155.D

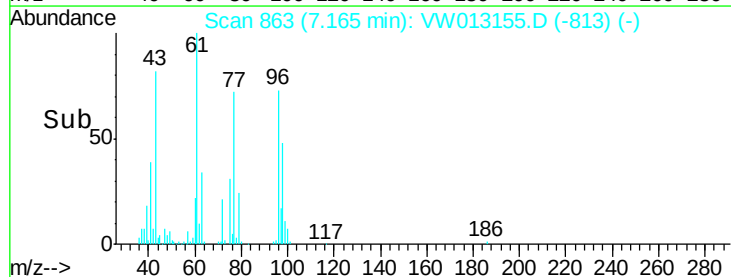
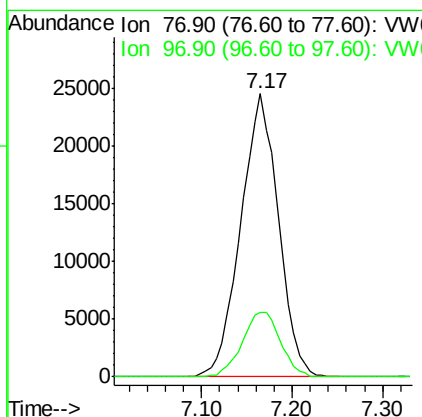
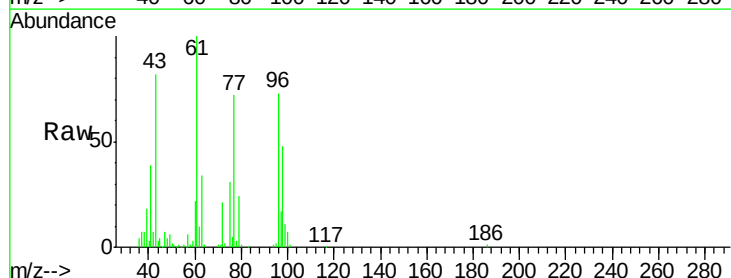
Acq: 19 Sep 2019 12:42

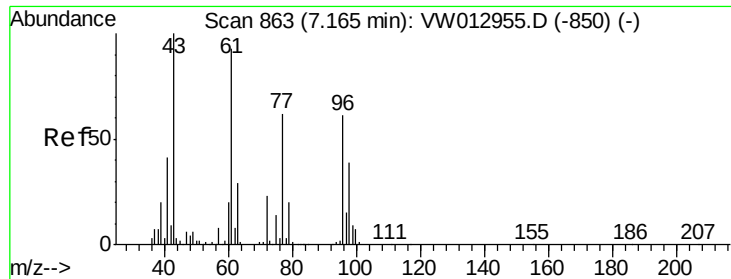
Tgt Ion: 77 Resp: 70578

Ion Ratio Lower Upper

77 100

97 23.3 10.7 32.1





#27

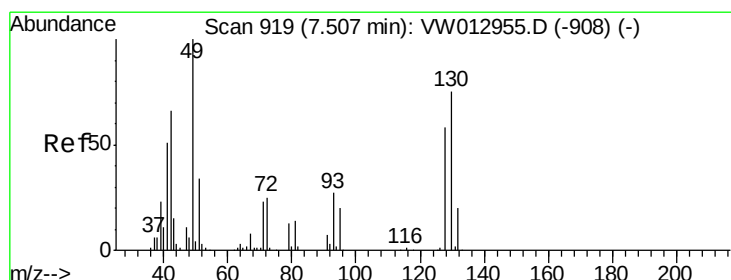
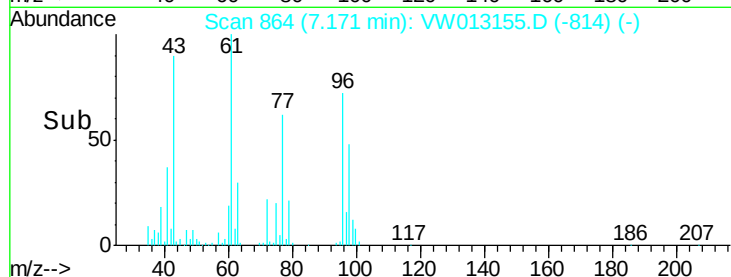
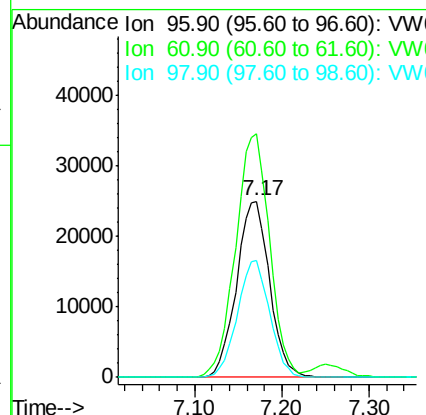
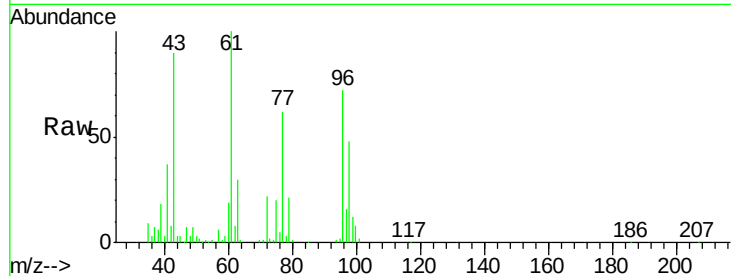
cis-1,2-Dichloroethene
Concen: 21.673 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	315.4
98	64.7	0.0	131.0

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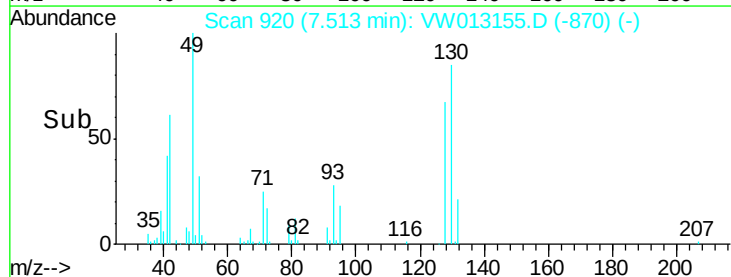
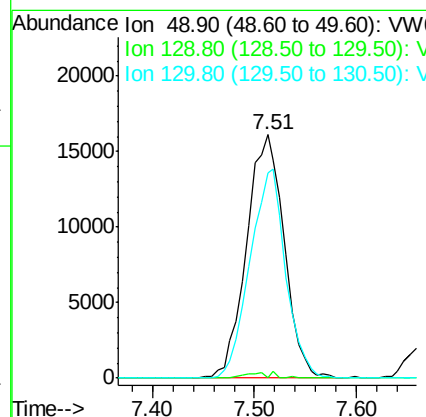
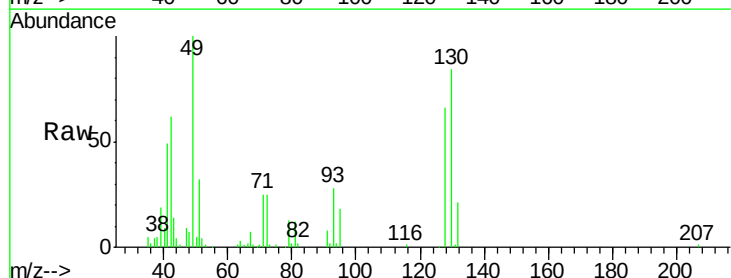
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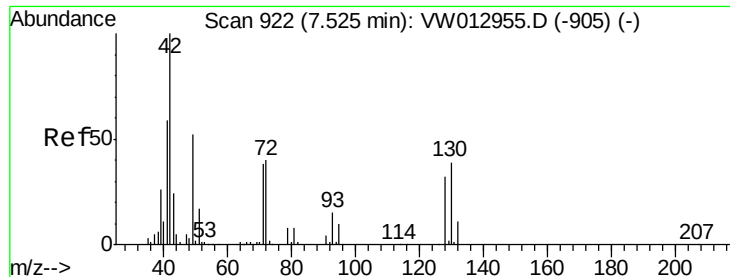


#28

Bromochloromethane
Concen: 18.295 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.4
130	81.6	57.8	86.6





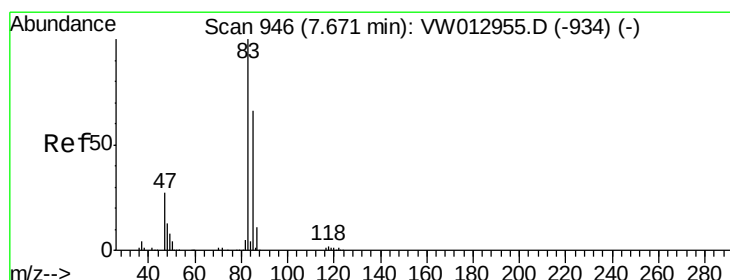
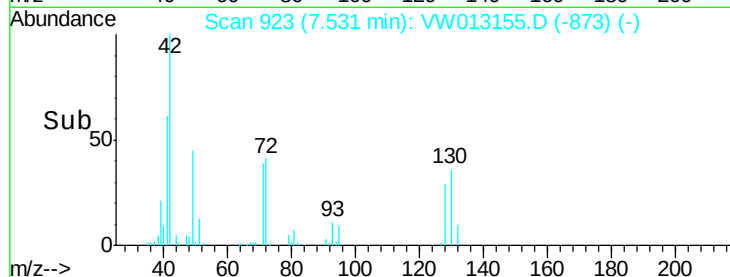
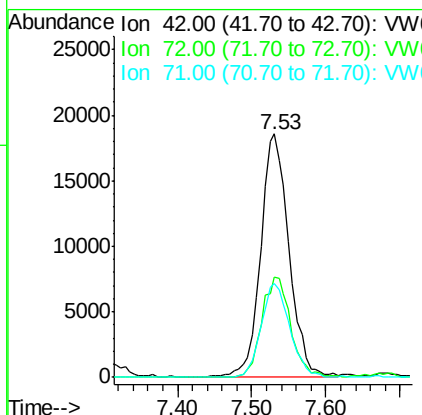
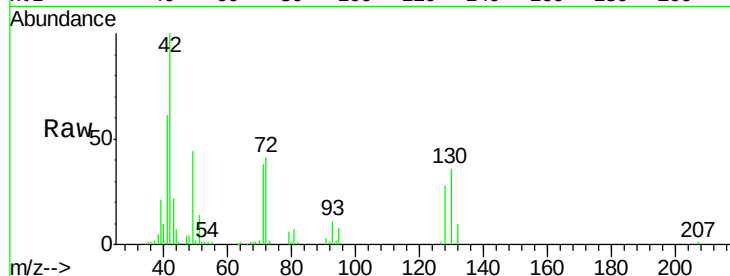
#29
Tetrahydrofuran
Concen: 86.397 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	31.4	47.0
71	38.6	29.8	44.8

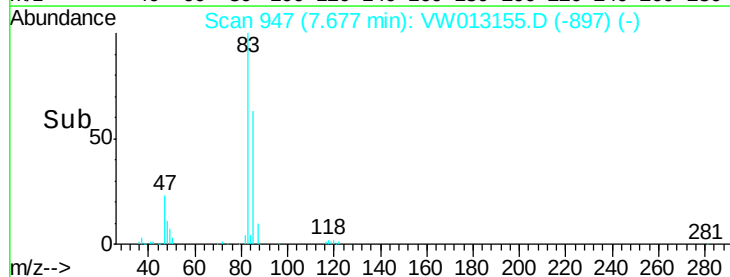
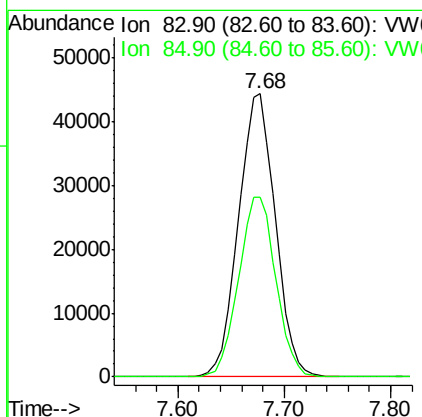
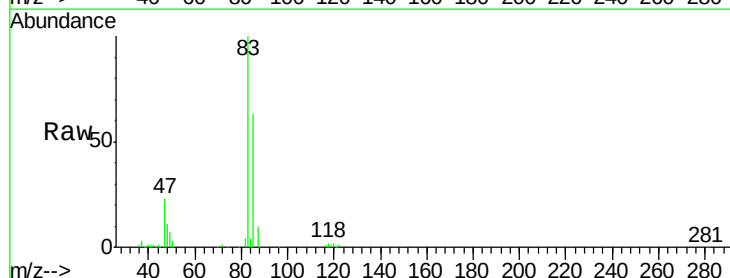
Manual Integrations
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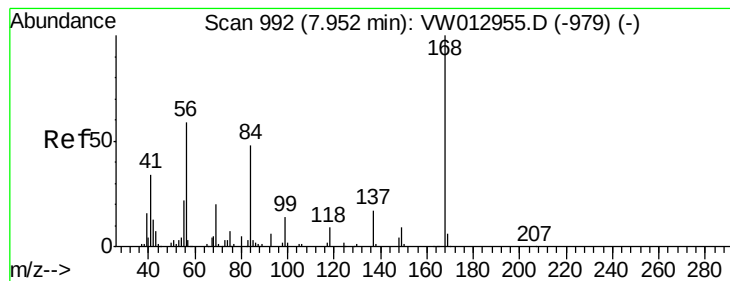
MMDadoda
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#30
Chloroform
Concen: 19.762 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.8	79.2





#31

Cyclohexane

Concen: 20.568 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

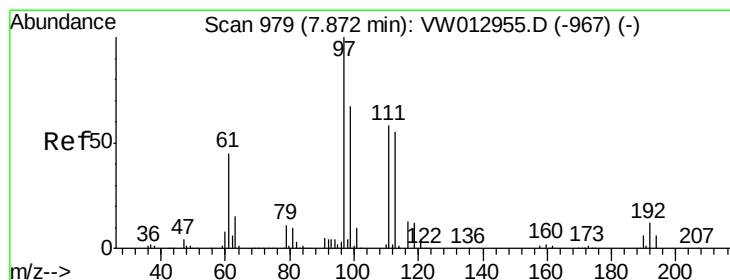
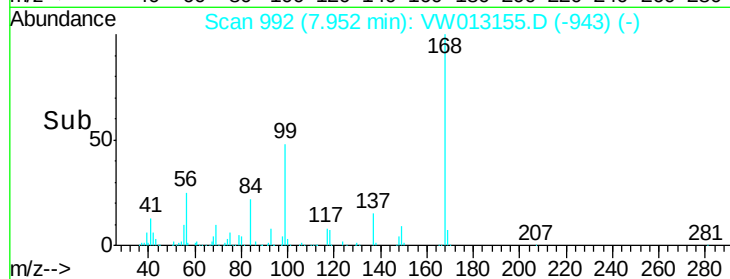
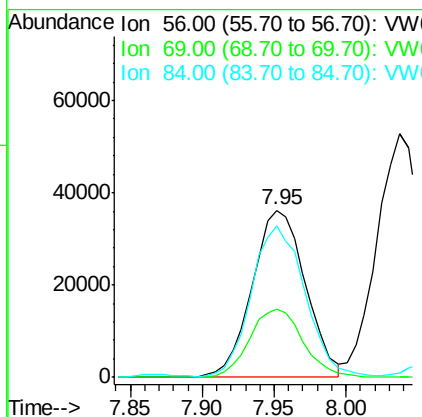
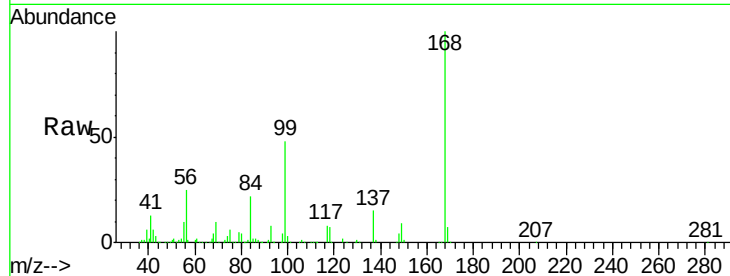
ClientSampleId :

VW0919SBSD01

Tot Ion:	56	Resp:	92962
Ion Ratio	Lower	Upper	
56	100		
69	40.8	27.0	40.6#
84	89.8	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 18.848 ug/l

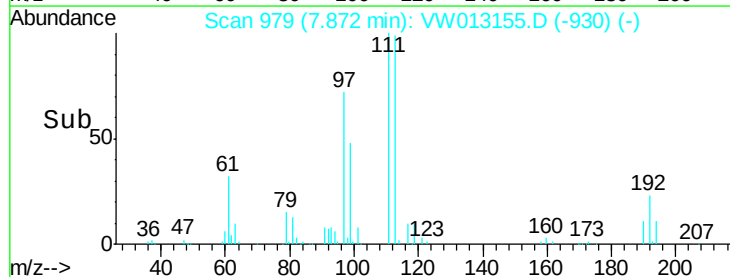
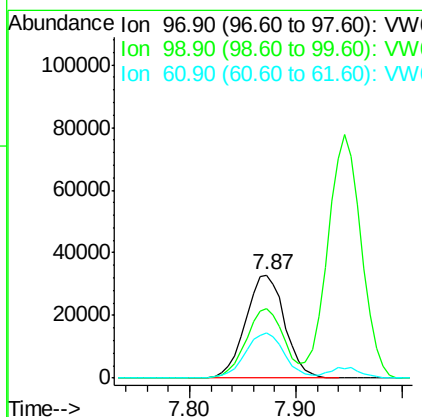
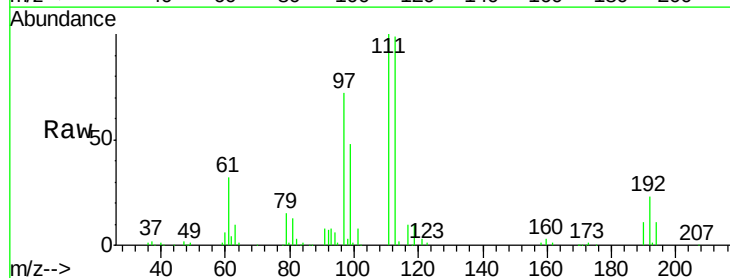
RT: 7.87 min Scan# 979

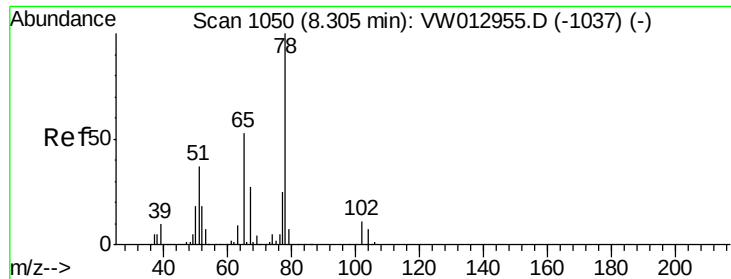
Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Tgt Ion:	97	Resp:	84659
Ion Ratio	Lower	Upper	
97	100		
99	65.2	53.0	79.4
61	43.9	36.5	54.7





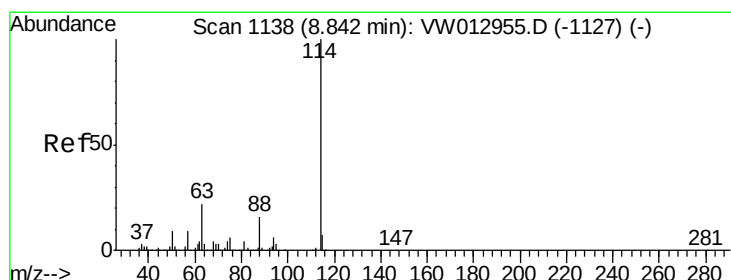
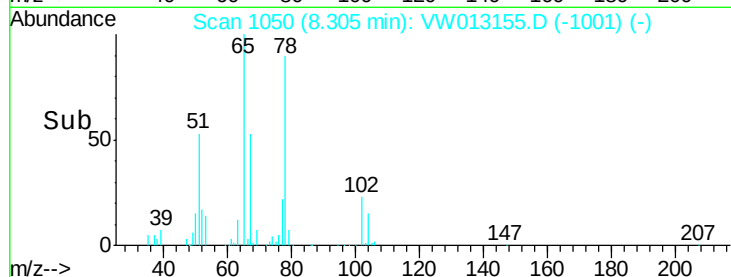
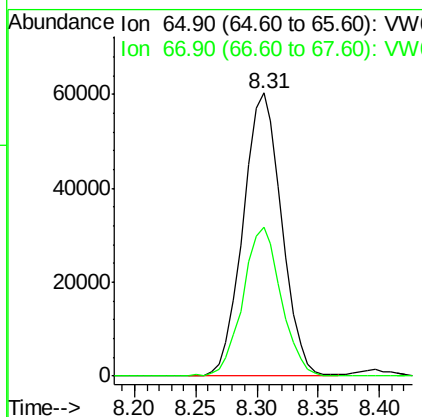
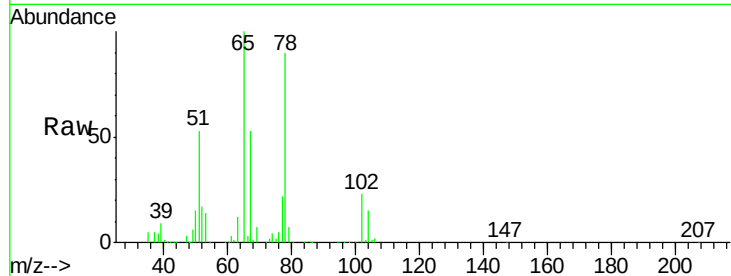
#33
 1,2-Dichloroethane-d4
 Concen: 41.840 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampled :
 VW0919SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132155		
67	52.3	0.0	101.2	

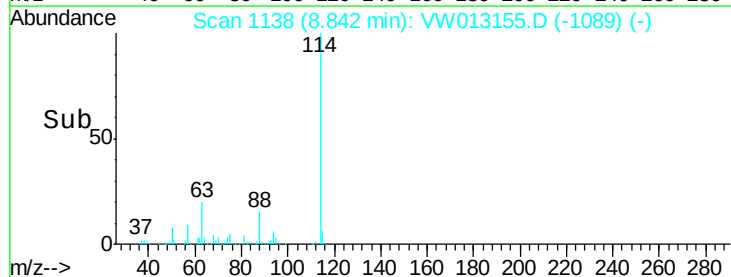
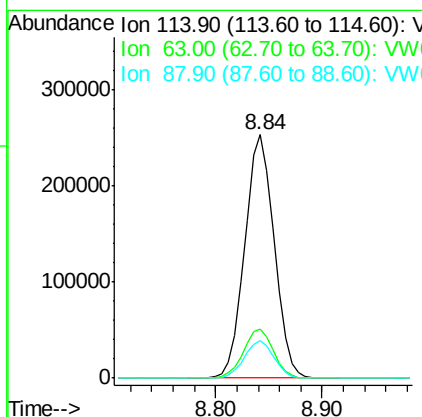
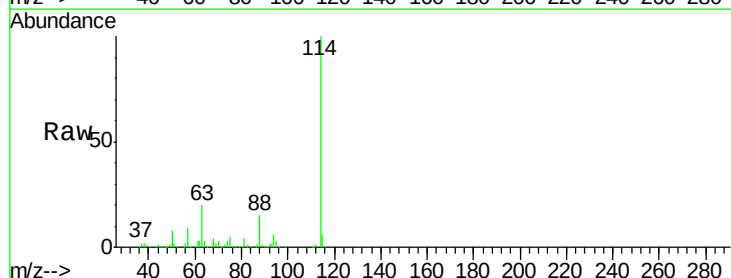
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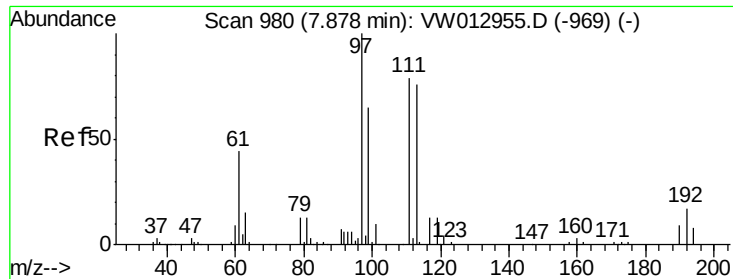
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	493101		
63	19.9	0.0	43.4	
88	15.2	0.0	31.6	





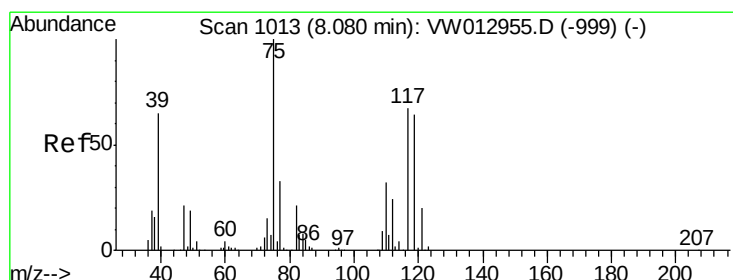
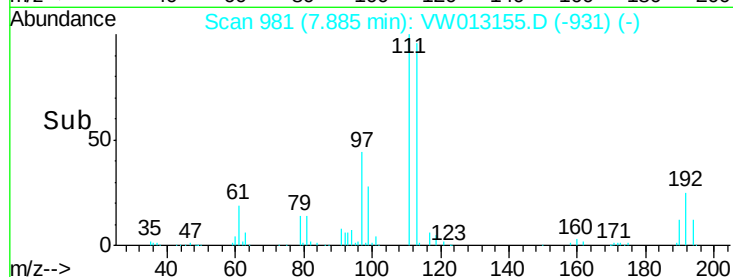
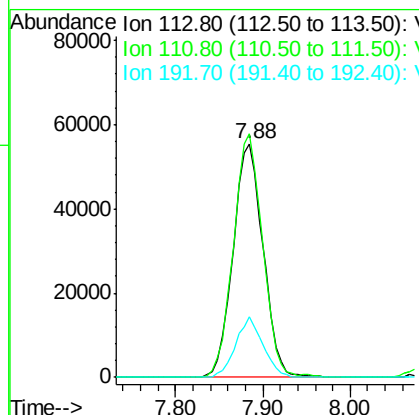
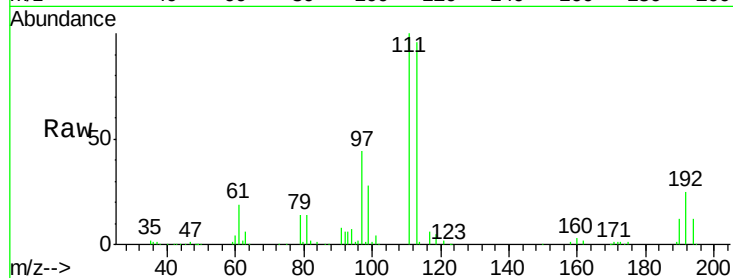
#35
 Dibromofluoromethane
 Concen: 49.370 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132096		
111	102.0	82.8	124.2	
192	23.8	17.8	26.8	

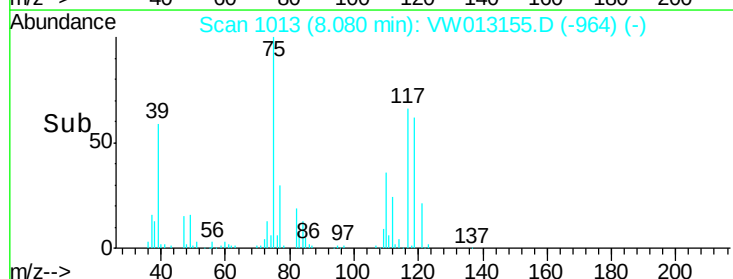
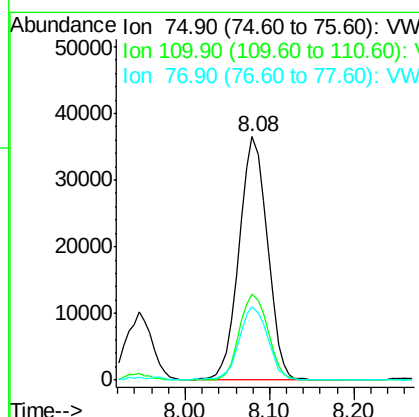
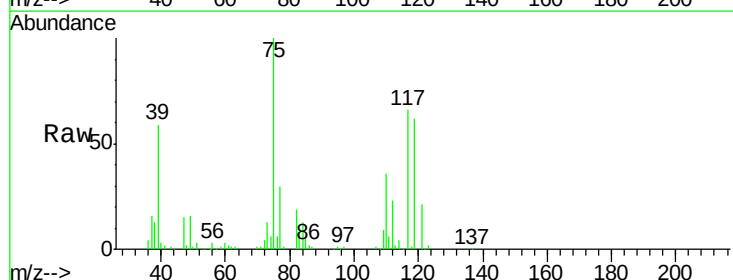
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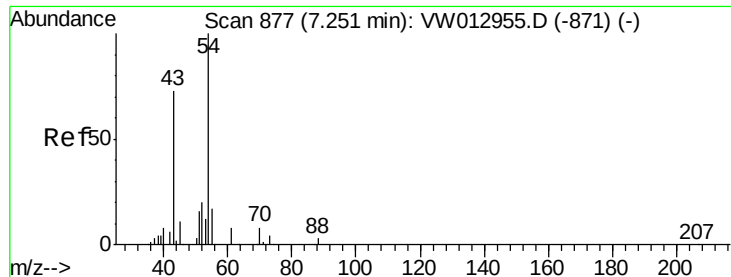
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#36
 1,1-Dichloropropene
 Concen: 21.103 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83154		
110	35.3	16.4	49.1	
77	30.5	25.1	37.7	





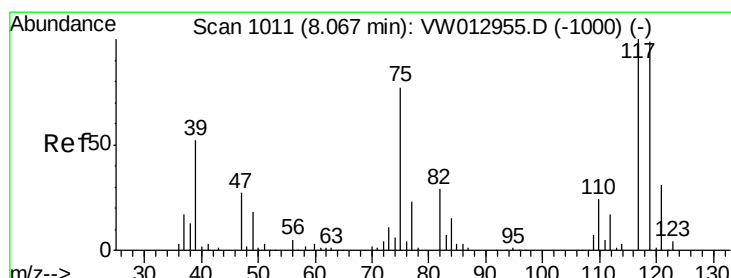
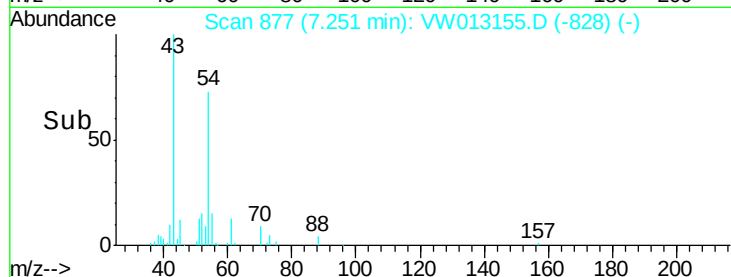
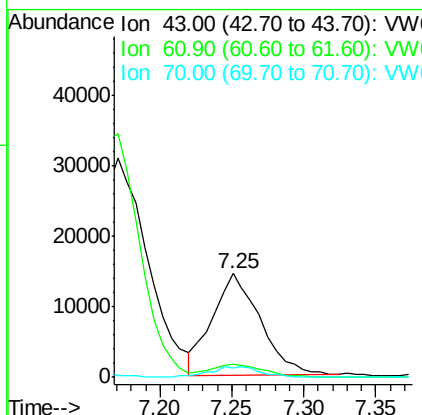
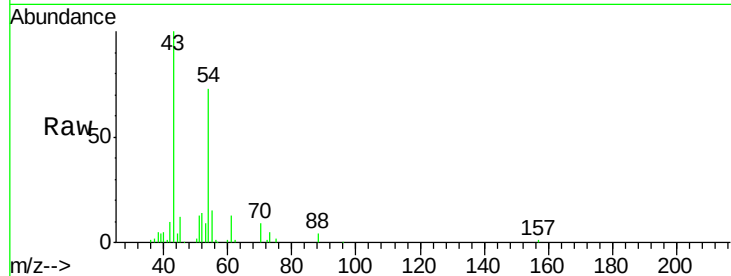
#37
Ethyl Acetate
Concen: 15.823 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.1	9.6	14.4	
70	11.3	7.6	11.4	

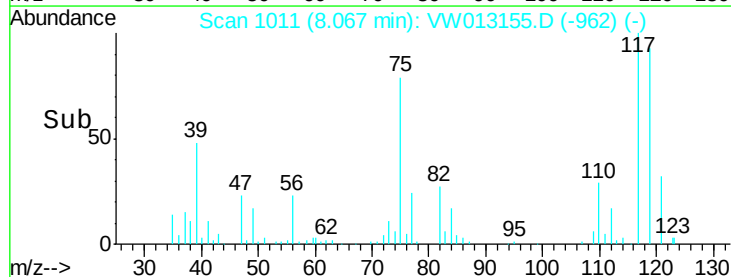
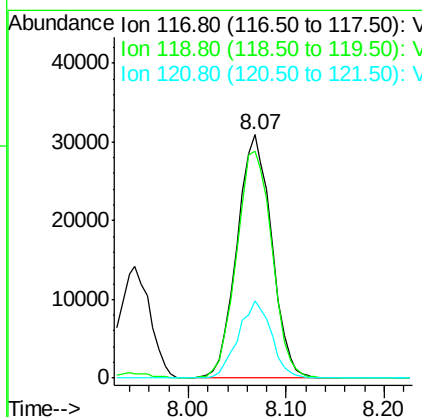
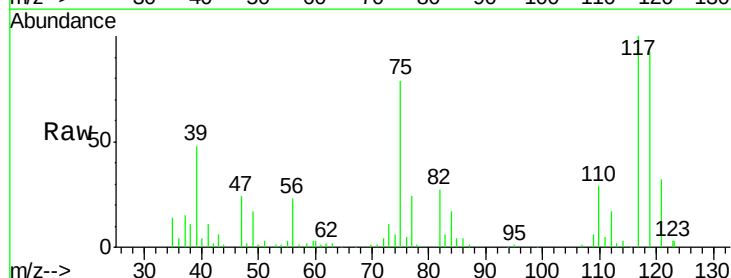
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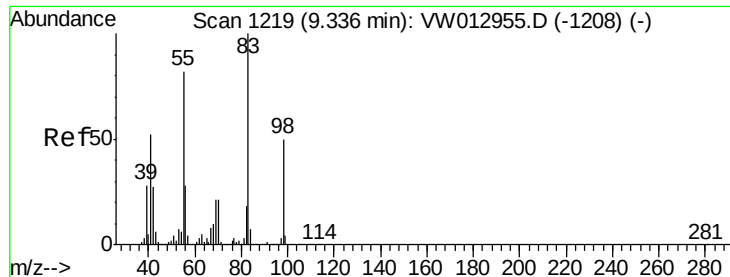
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#38
Carbon Tetrachloride
Concen: 18.794 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.4	79.4	119.0	
121	31.7	24.6	36.8	





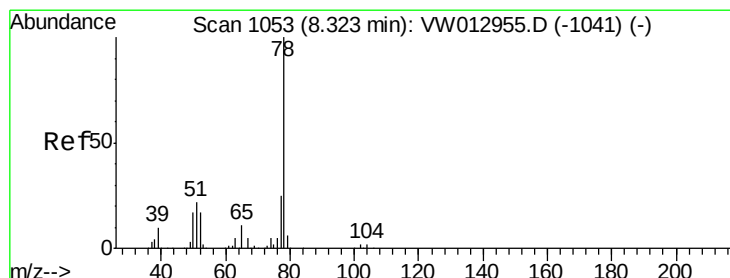
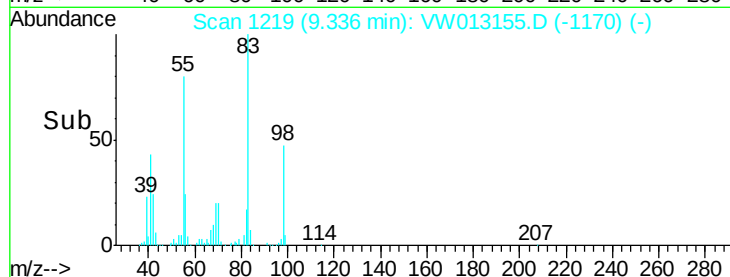
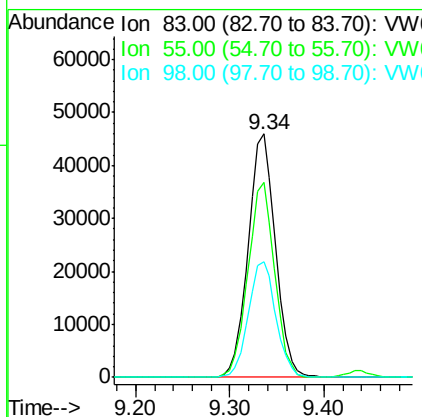
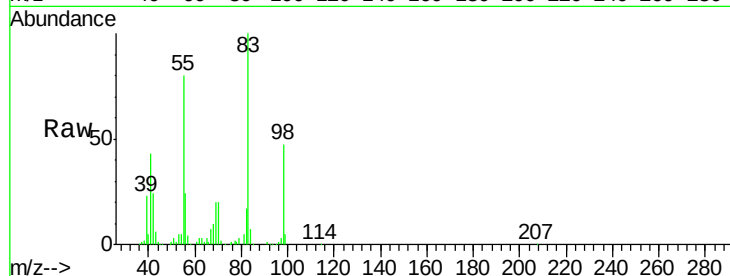
#39
Methylvlcyclohexane
Concen: 21.657 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	65.9	98.9
98	47.4	39.6	59.4

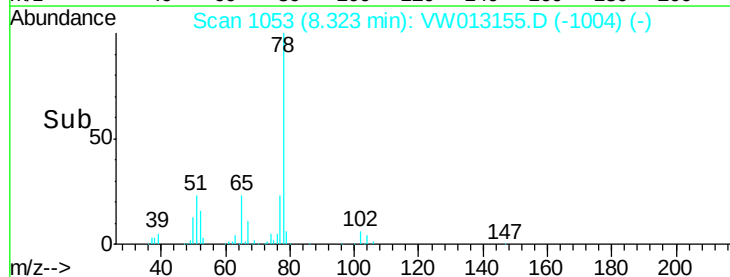
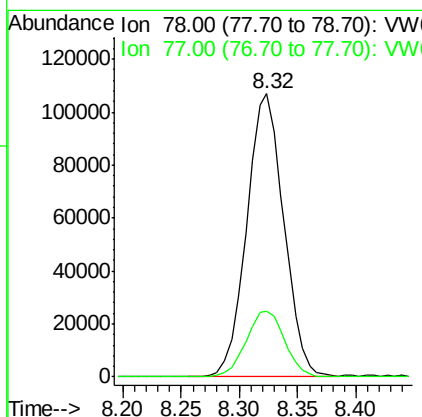
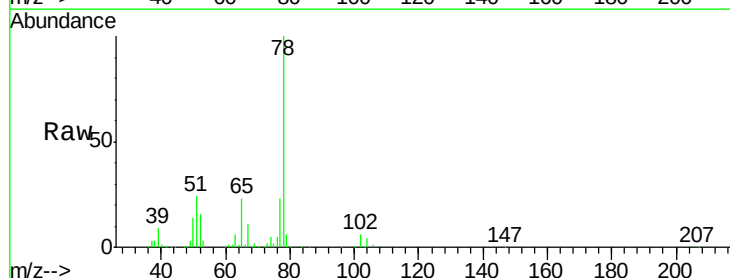
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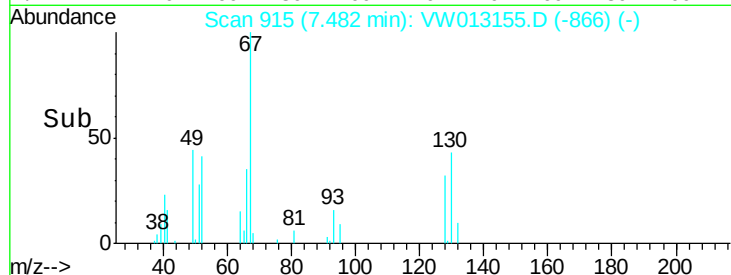
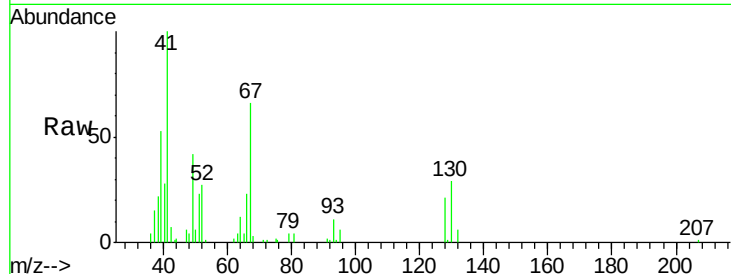
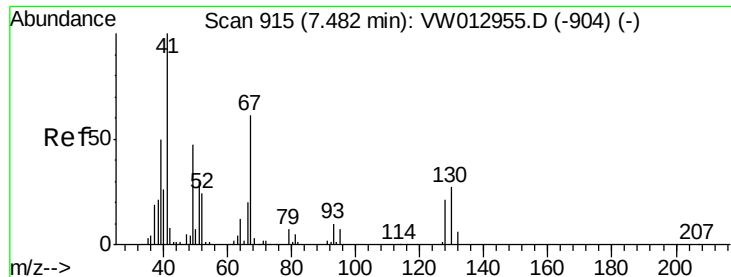
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#40
Benzene
Concen: 21.482 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.6	29.4





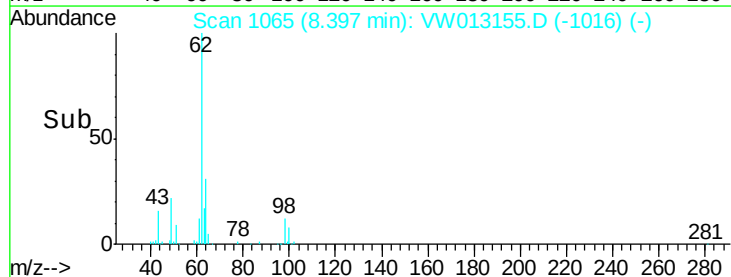
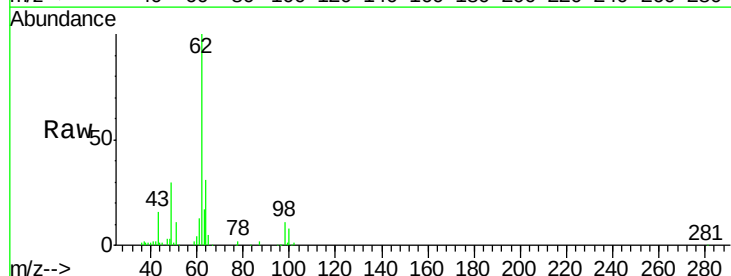
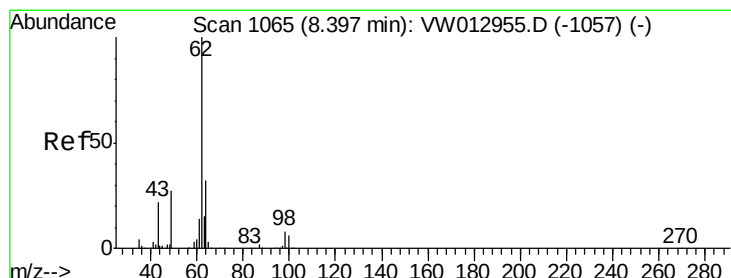
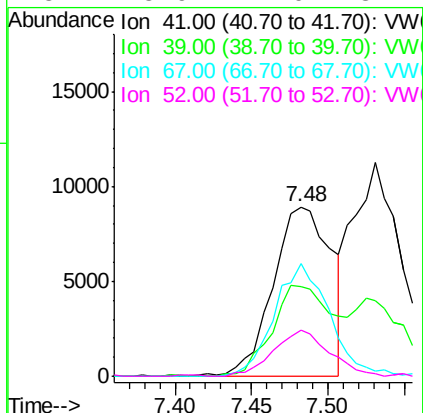
#41
Methacrylonitrile
Concen: 17.162 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tot Ion	41	Resp	23638
Ion Ratio	Lower	Upper	
41	100		
39	57.7	48.2	72.4
67	63.0	47.5	71.3
52	25.9	21.0	31.4

Instrument :
MSVOA_W
ClientSampled :
VW0919SBSD01

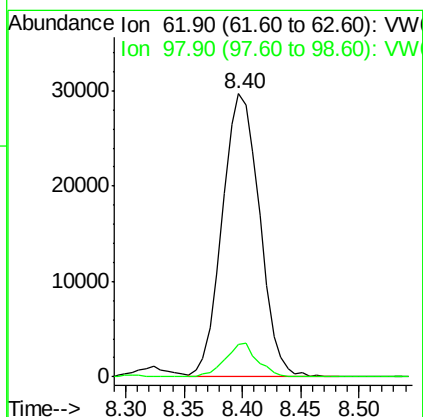
Manual Integrations
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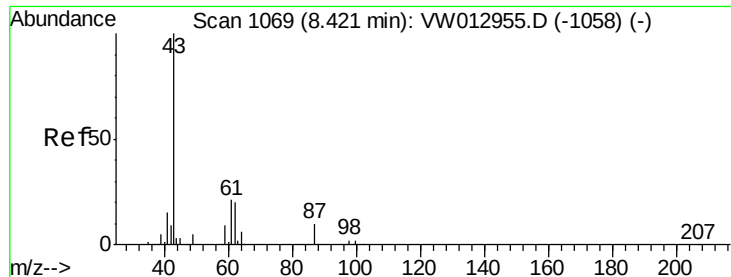
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#42
1,2-Dichloroethane
Concen: 17.951 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	62	Resp	66194
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 16.921 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

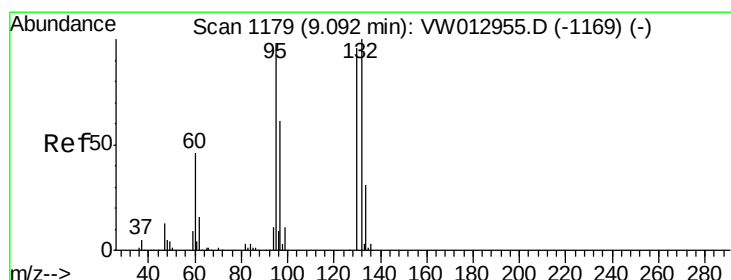
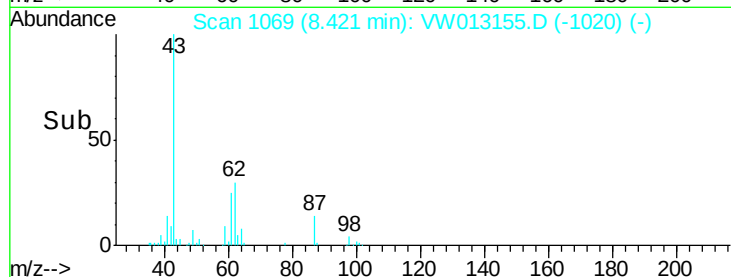
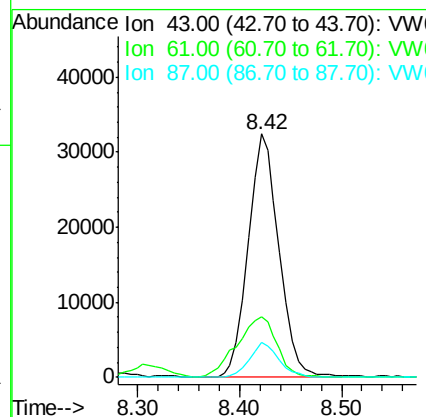
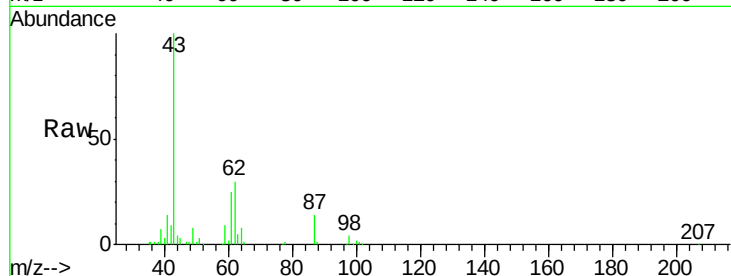
ClientSampleId :

VW0919SBS01

Tot Ion:	43	Resp:	67948
Ion	Ratio	Lower	Upper
43	100		
61	32.4	22.7	34.1
87	13.6	9.4	14.2

Manual Integrations
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9/23/2019 10:46:13 AM



#44

Trichloroethene

Concen: 21.755 ug/l

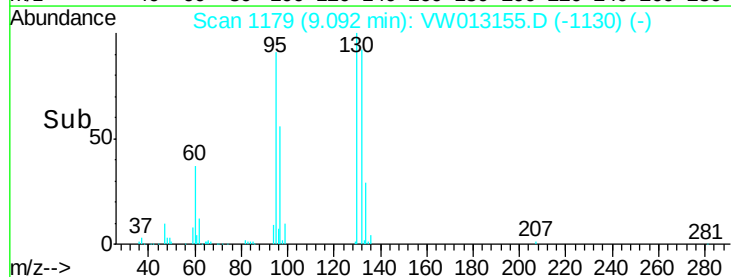
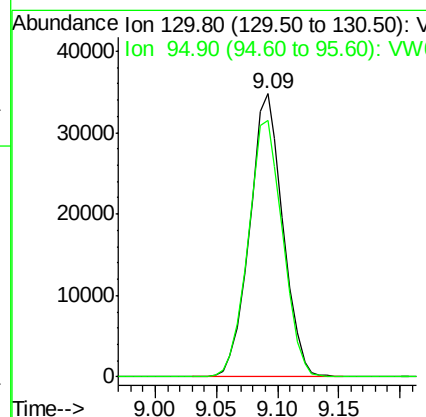
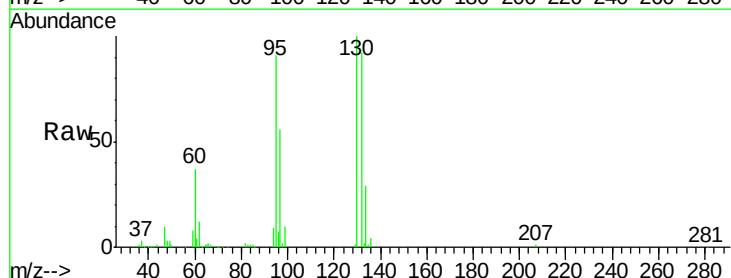
RT: 9.09 min Scan# 1179

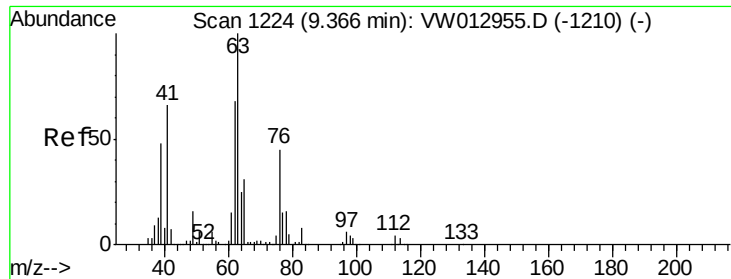
Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Tgt Ion:	130	Resp:	65547
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	204.4





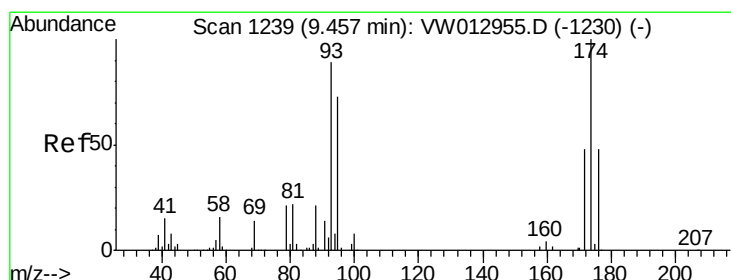
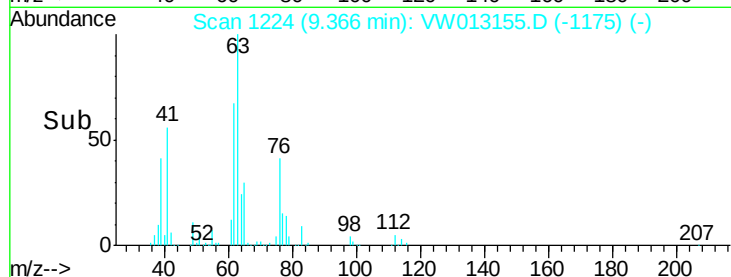
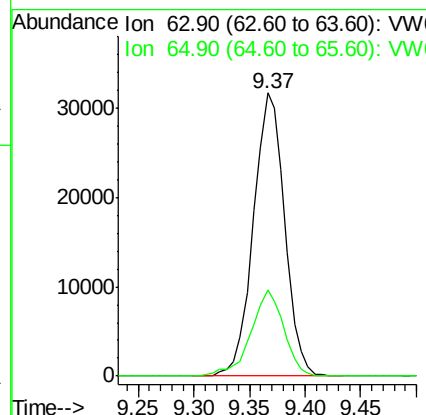
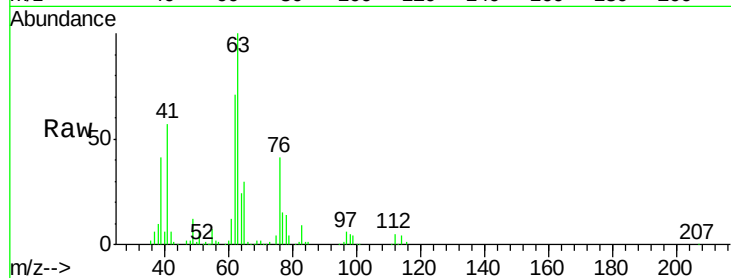
#45
 1,2-Dichloropropane
 Concen: 21.260 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampled :
 VW0919SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	37.0

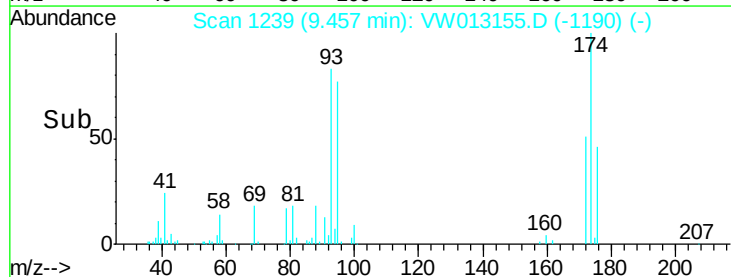
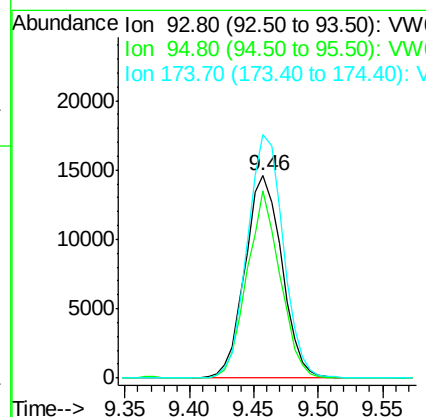
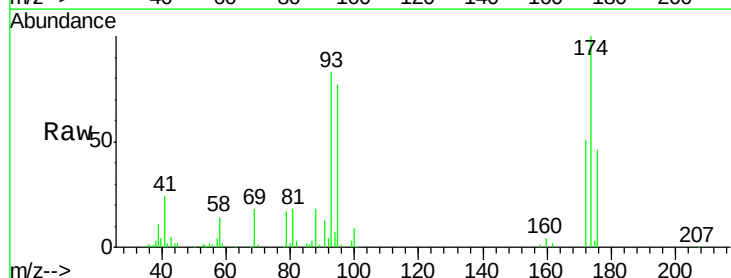
Manual Integrations
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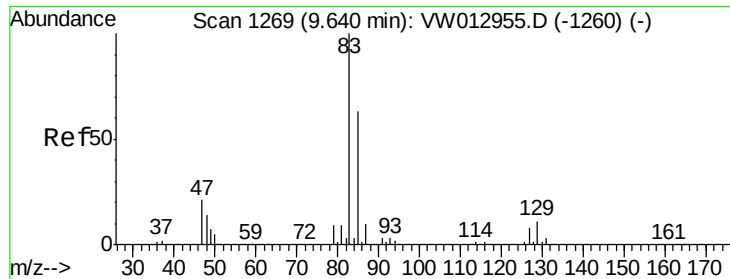
MMDadoda
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#46
 Dibromomethane
 Concen: 20.624 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	67.0	100.4
174	116.9	90.5	135.7





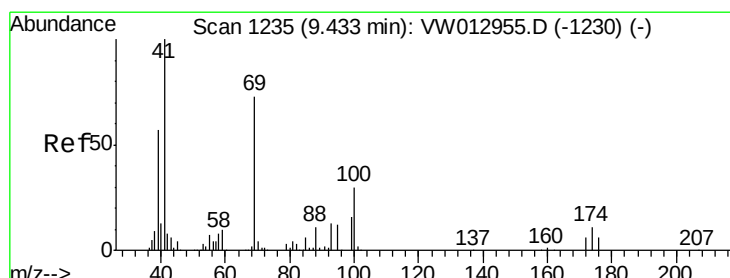
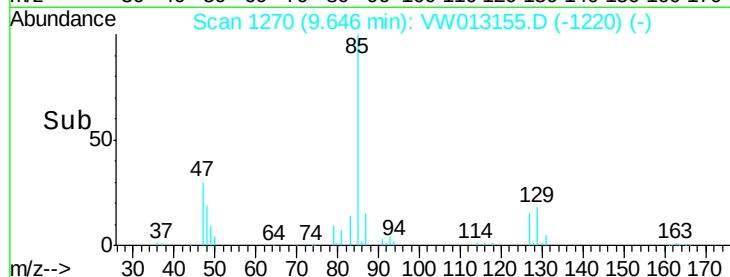
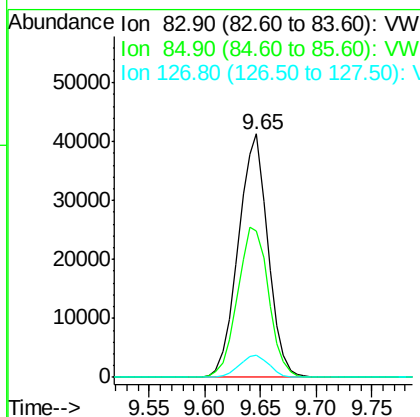
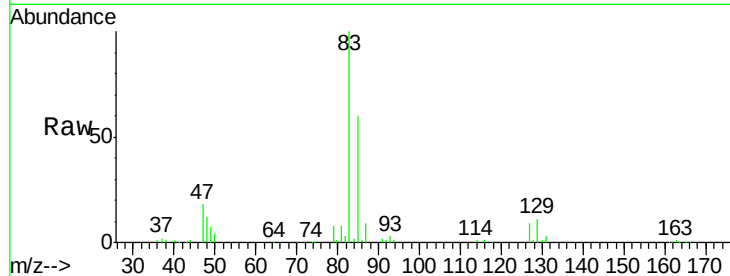
#47
Bromodichloromethane
Concen: 19.333 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	75931		
85	60.2		50.6	75.8
127	9.0		6.7	10.1

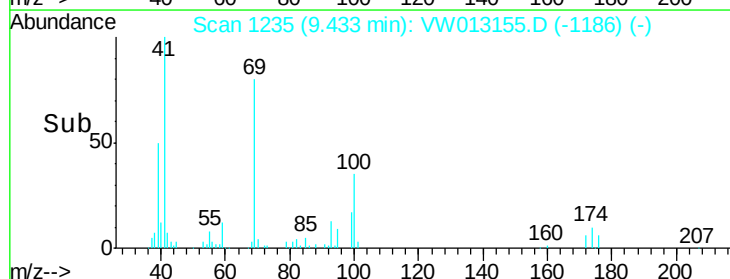
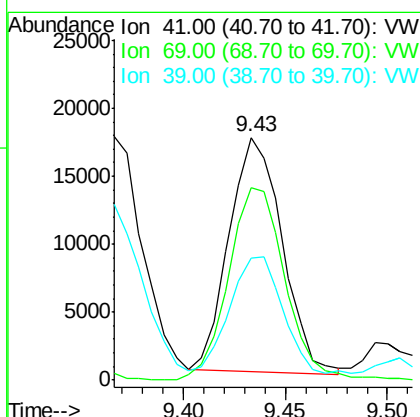
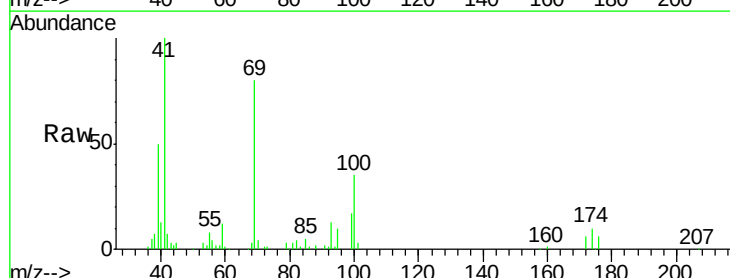
Manual Integrations
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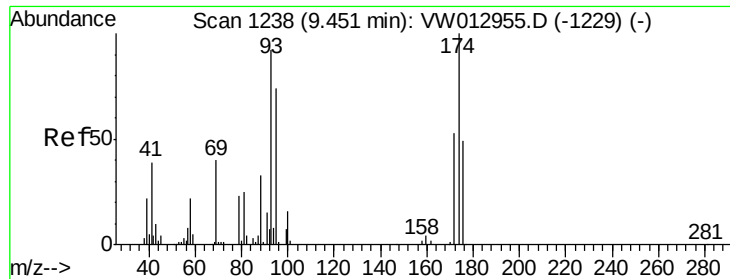
MMDadoda
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#48
Methyl methacrylate
Concen: 16.563 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	31215		
69	87.9		62.8	94.2
39	56.7		48.5	72.7





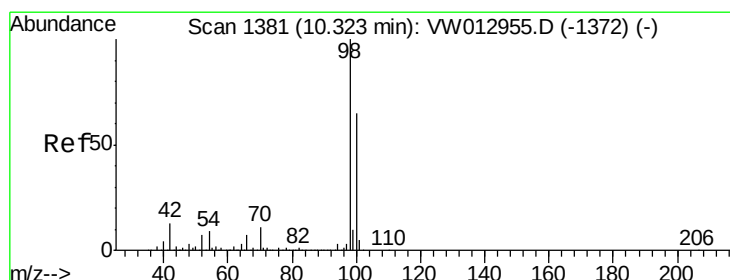
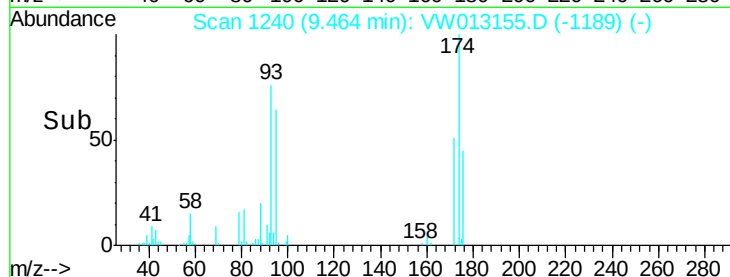
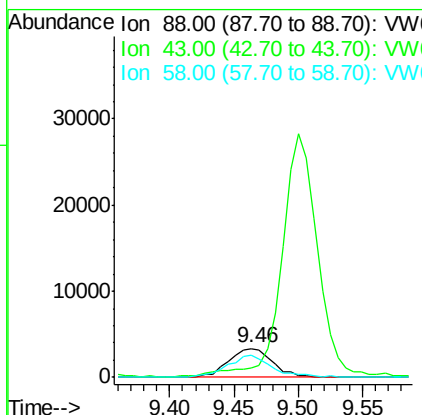
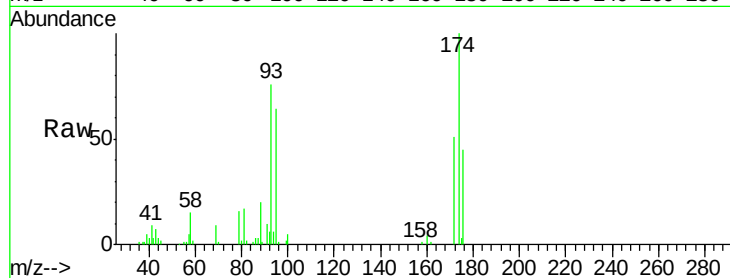
#49
1,4-Dioxane
Concen: 337.527 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBSD01

Tot Ion	88	Resp	7919
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	77.6	60.2	90.2

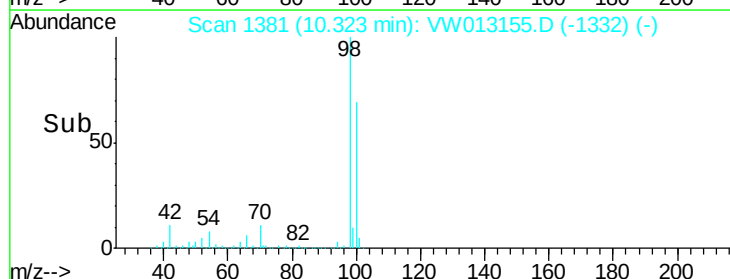
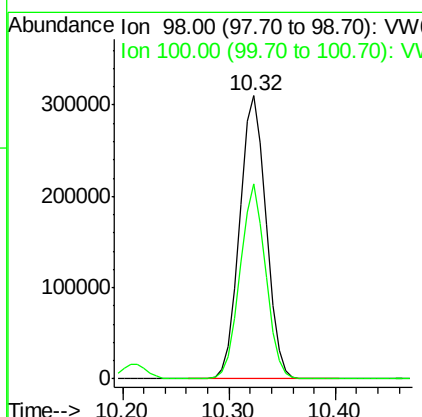
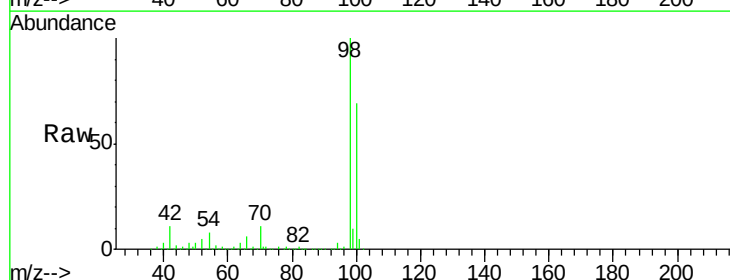
Manual Integrations
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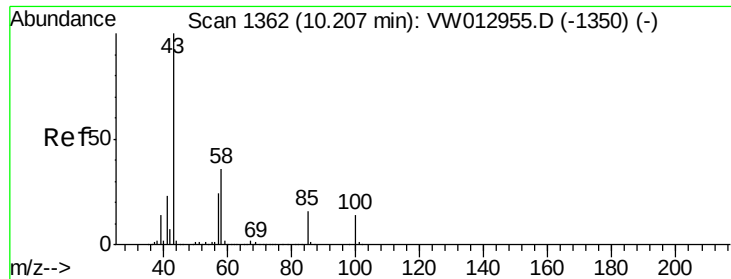
MMDadoda
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#50
Toluene-d8
Concen: 51.832 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	98	Resp	542680
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.1	78.1





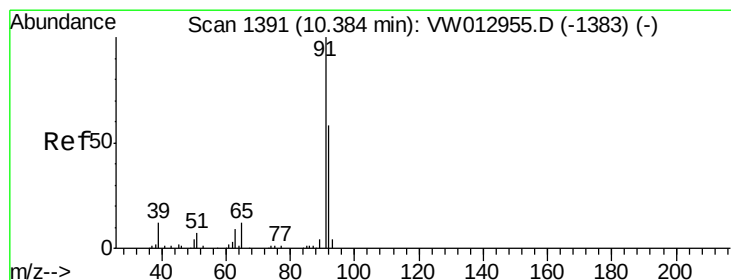
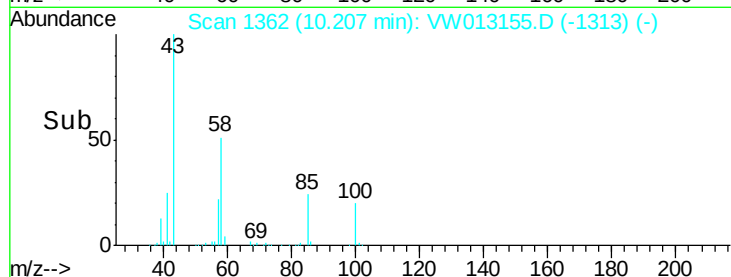
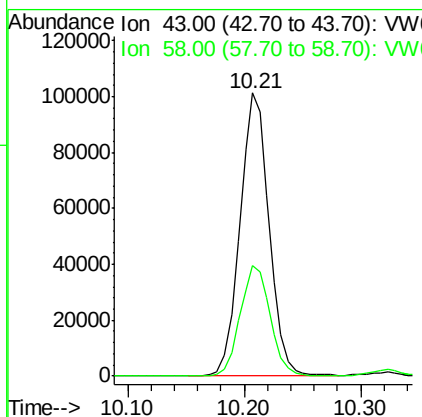
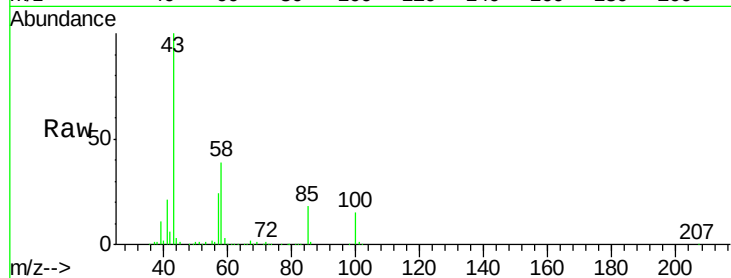
#51
 4-Methyl-2-Pentanone
 Concen: 84.965 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	29.5	44.3

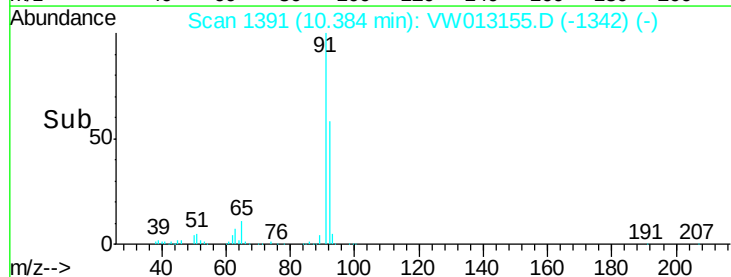
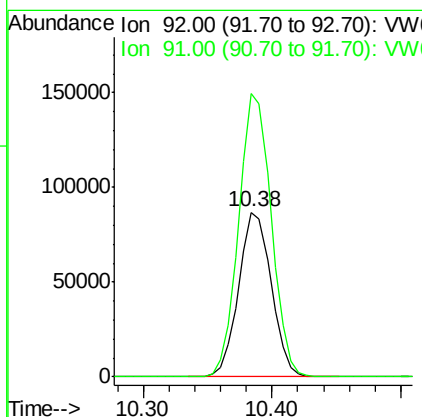
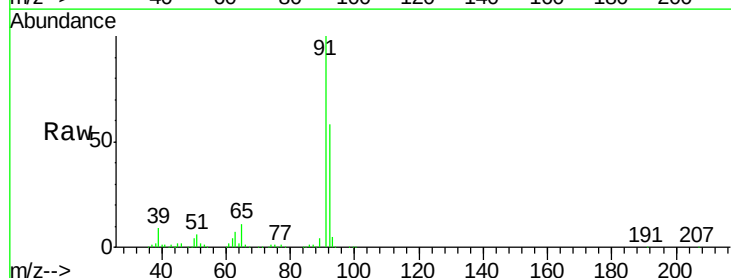
Manual Integrations
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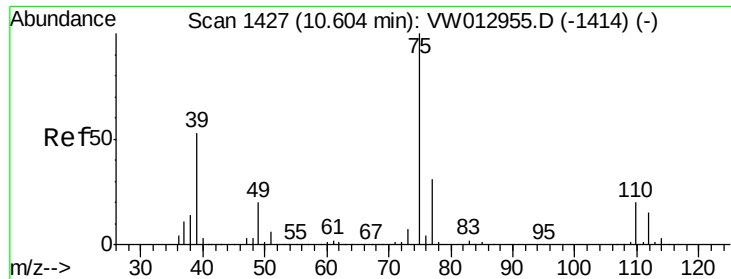
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#52
 Toluene
 Concen: 21.781 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	137.5	206.3





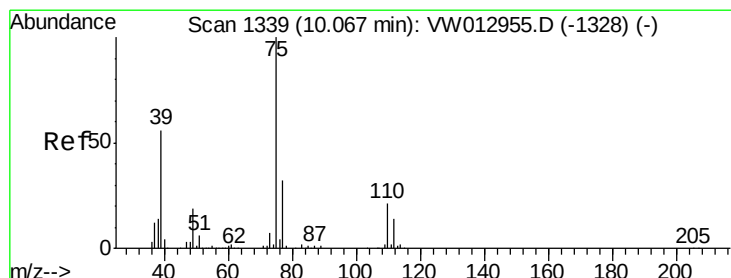
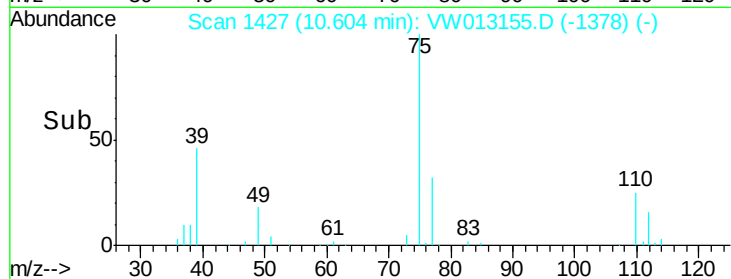
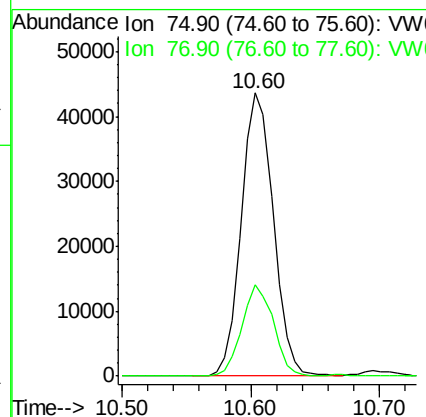
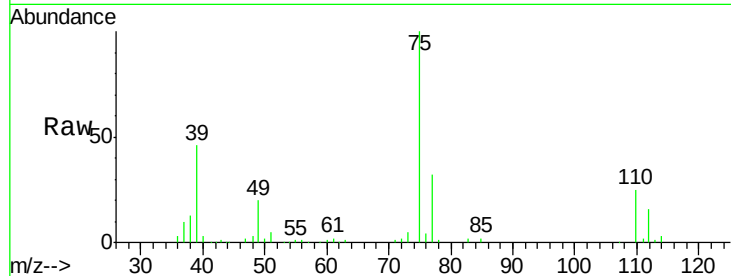
#53
t-1,3-Dichloropropene
Concen: 19.020 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	75	Resp	75128
Ion Ratio	100	Lower	Upper
77	31.9	24.6	37.0

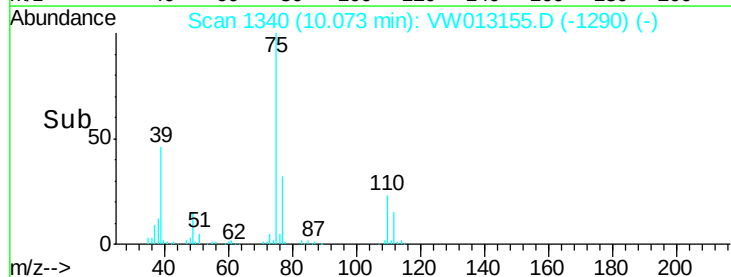
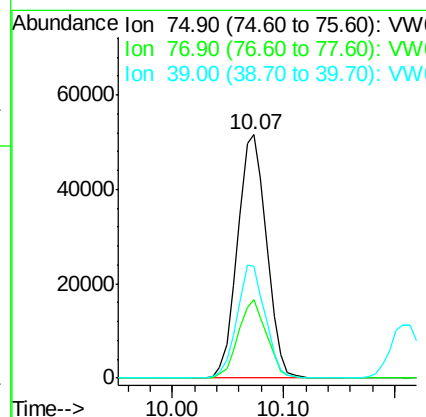
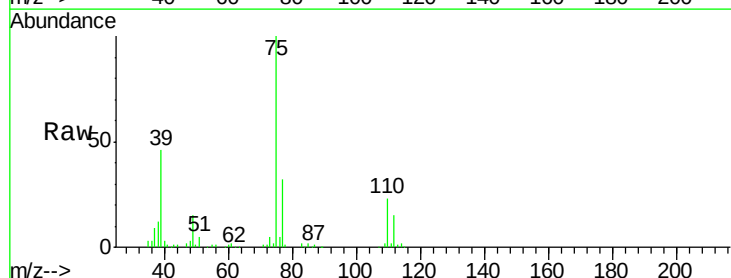
Manual Integrations
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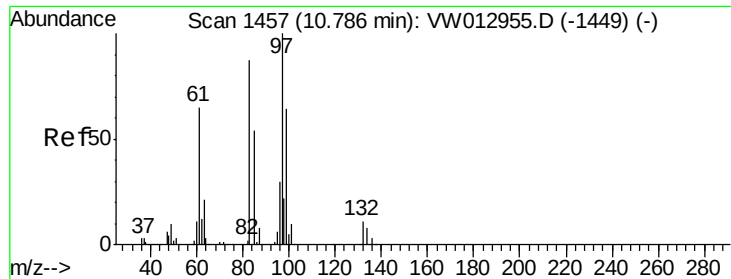
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#54
cis-1,3-Dichloropropene
Concen: 20.645 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	75	Resp	93306
Ion Ratio	100	Lower	Upper
77	32.4	25.5	38.3
39	45.6	45.0	67.6





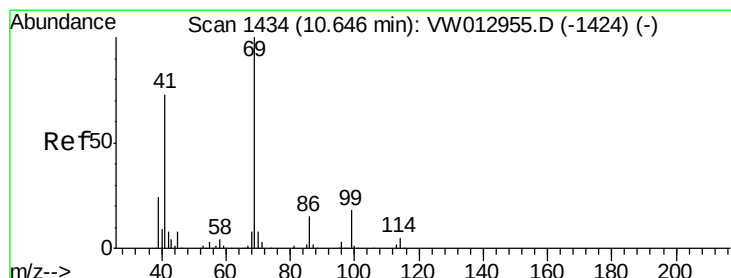
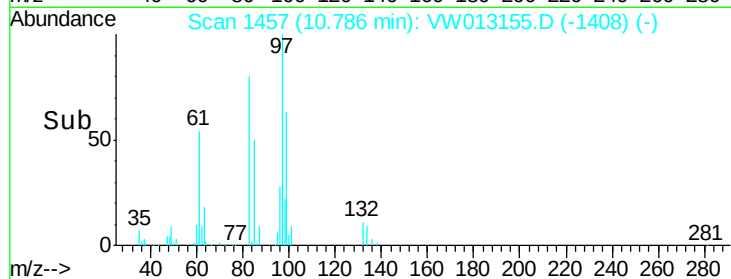
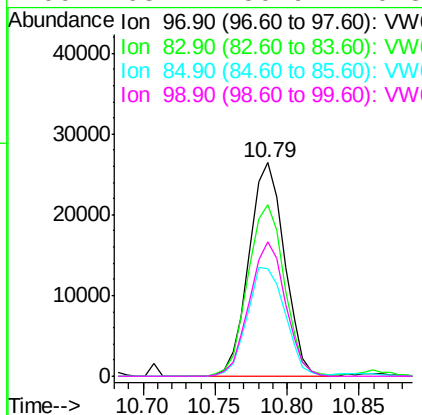
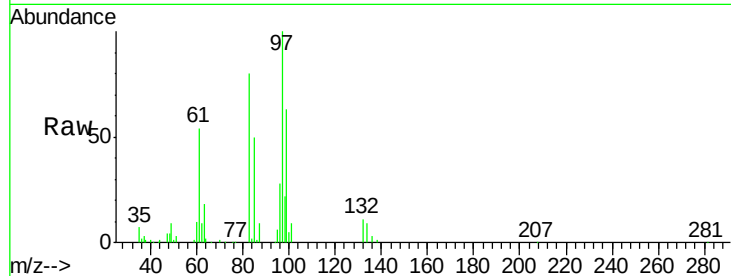
#55
 1,1,2-Trichloroethane
 Concen: 21.200 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBSD01

Tot Ion:	97	Resp:	45221
Ion	Ratio	Lower	Upper
97	100		
83	80.5	69.4	104.0
85	50.2	43.3	64.9
99	63.1	50.9	76.3

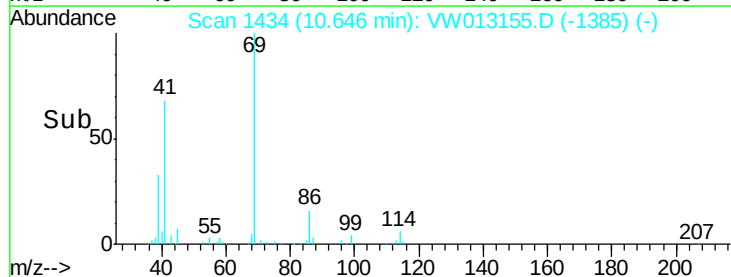
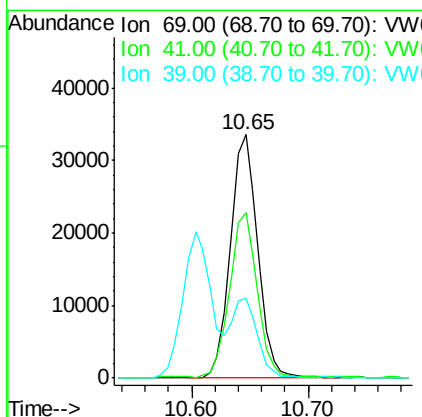
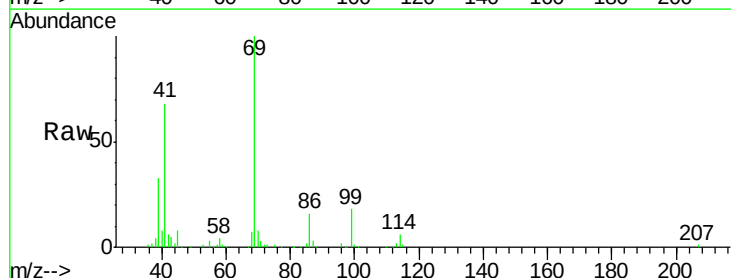
Manual Integrations
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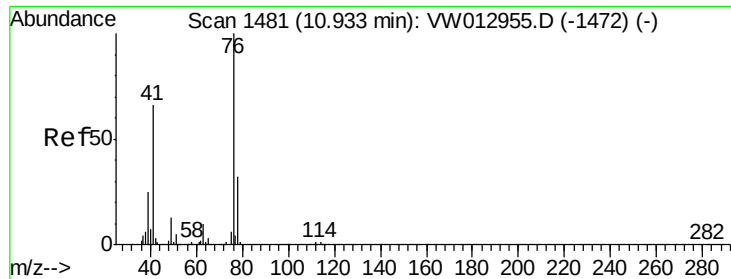
MMDadoda
 9/23/2019 10:46:13 AM



#56
 Ethyl methacrylate
 Concen: 19.225 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Tgt Ion:	69	Resp:	55196
Ion	Ratio	Lower	Upper
69	100		
41	67.4	60.8	91.2
39	30.2	29.4	44.0





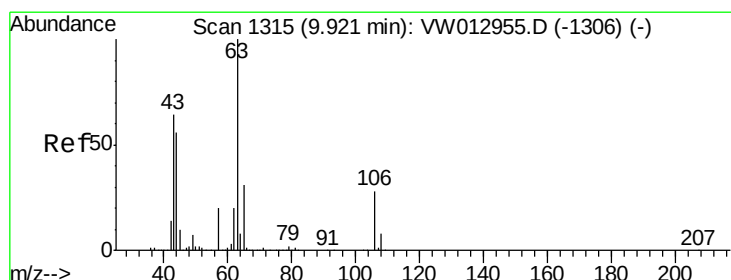
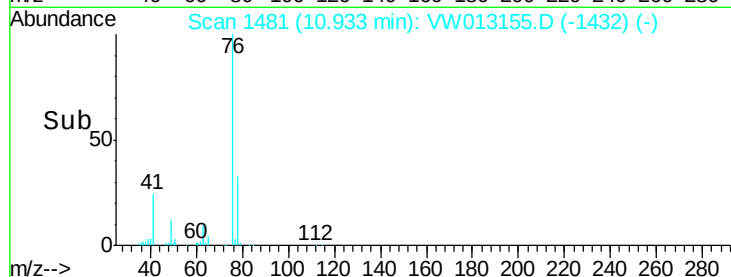
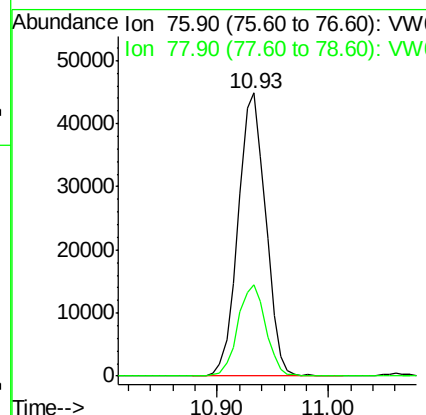
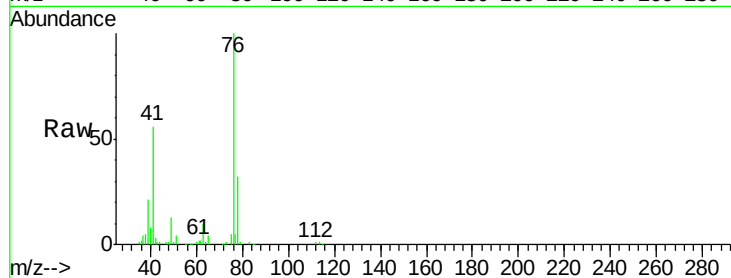
#57
 1,3-Dichloropropane
 Concen: 20.303 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.6	38.4

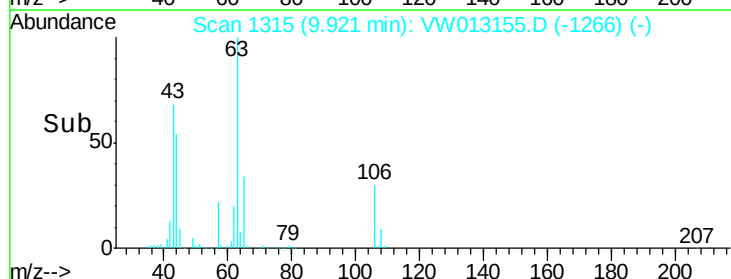
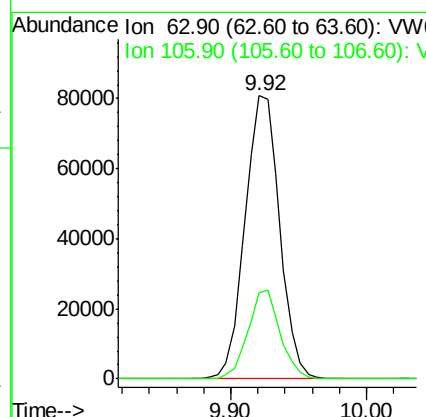
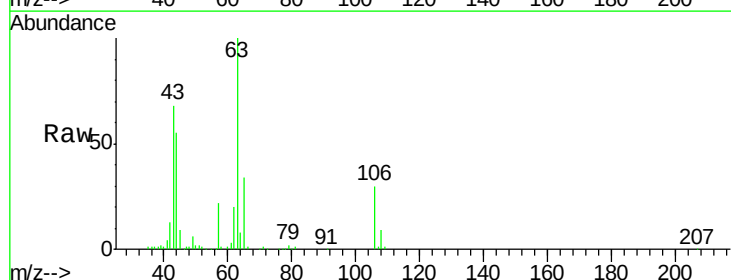
Manual Integrations
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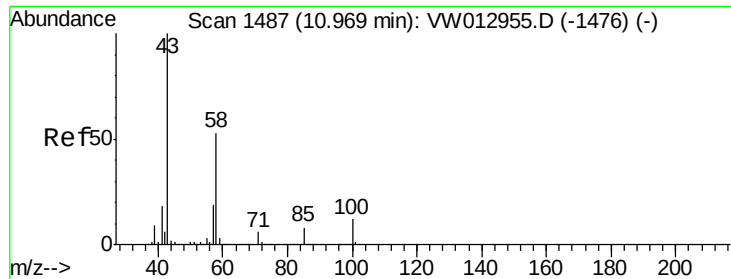
MMDadoda
 9/23/2019 10:46:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.568 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	22.2	33.2





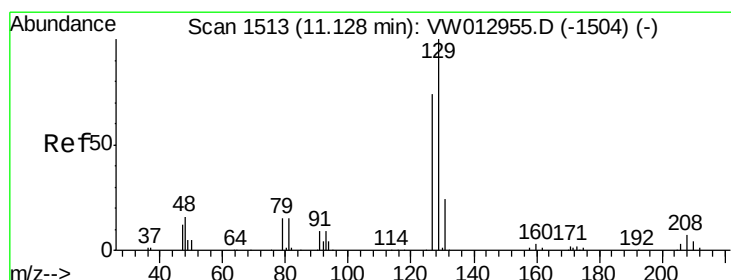
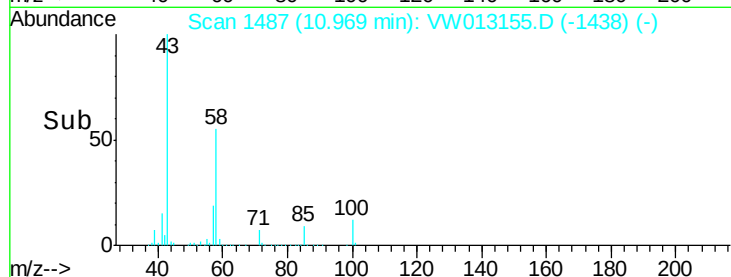
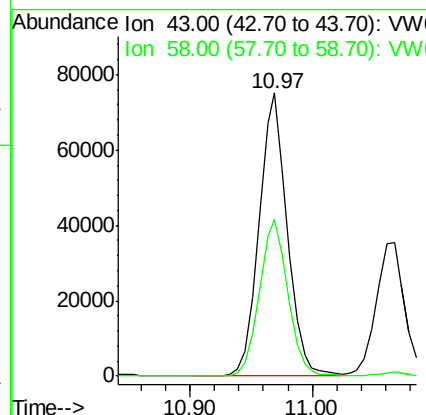
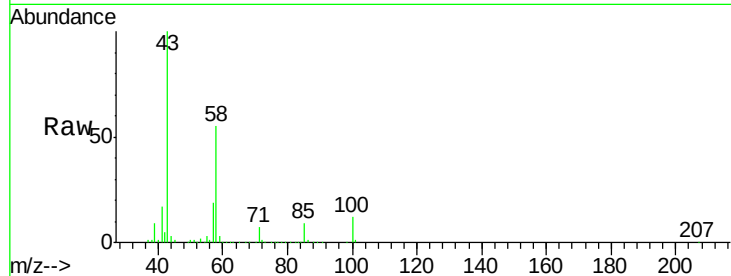
#59
2-Hexanone
Concen: 83.107 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBSD01

Tot Ion: 43 Resp: 119973
Ion Ratio Lower Upper
43 100
58 56.3 25.8 77.3

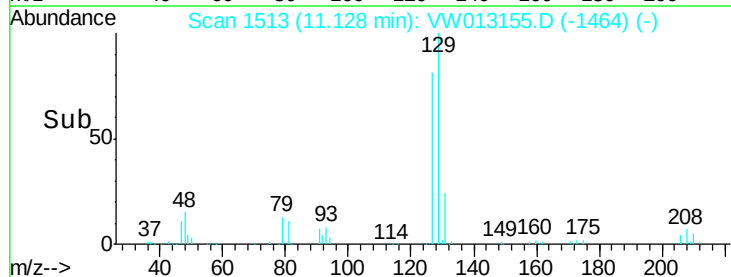
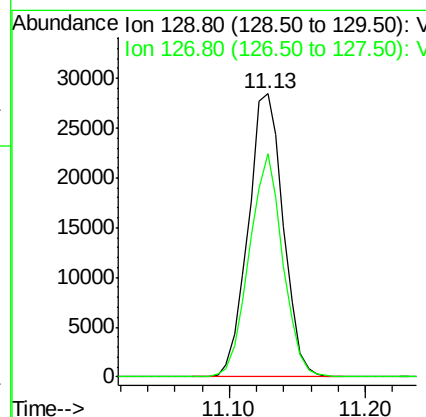
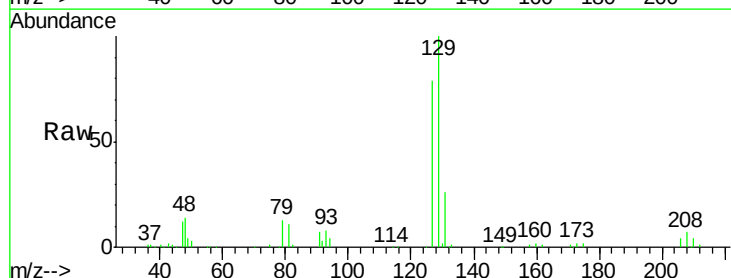
Manual Integrations
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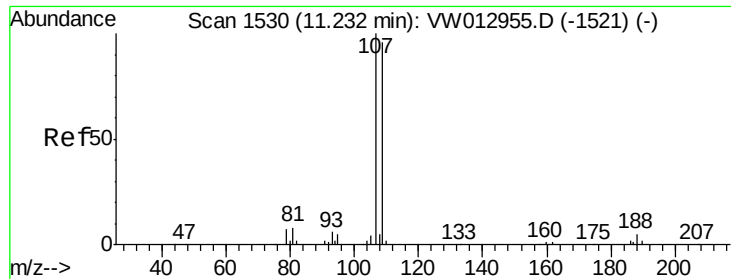
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9/23/2019 10:46:13 AM



#60
Dibromochloromethane
Concen: 19.906 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion: 129 Resp: 51335
Ion Ratio Lower Upper
129 100
127 75.5 37.4 112.2





#61

1,2-Dibromoethane

Concen: 20.860 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 107 Resp: 40589

Ion Ratio Lower Upper

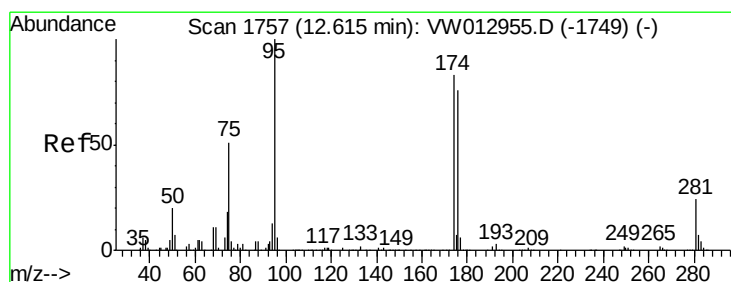
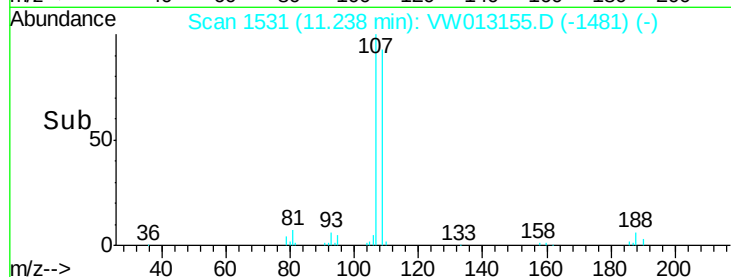
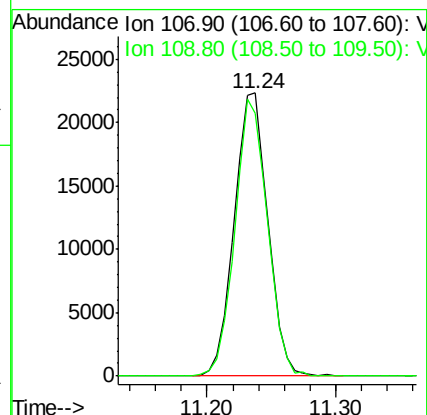
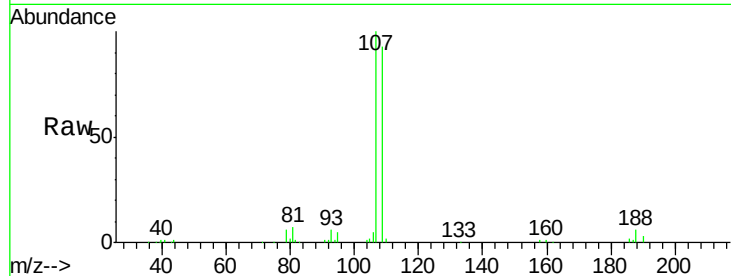
107 100

109 94.3 75.0 112.6

Manual Integrations
APPROVED

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9/23/2019 10:46:13 AM



#62

4-Bromofluorobenzene

Concen: 49.355 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

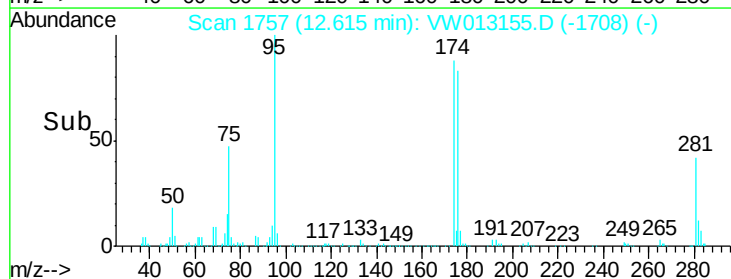
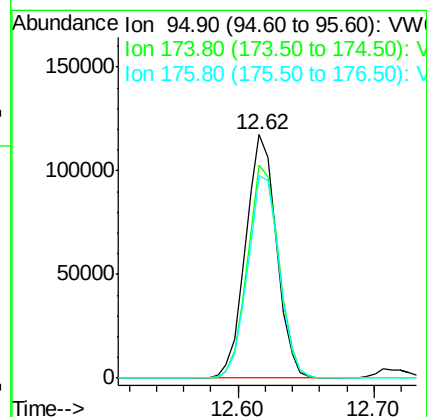
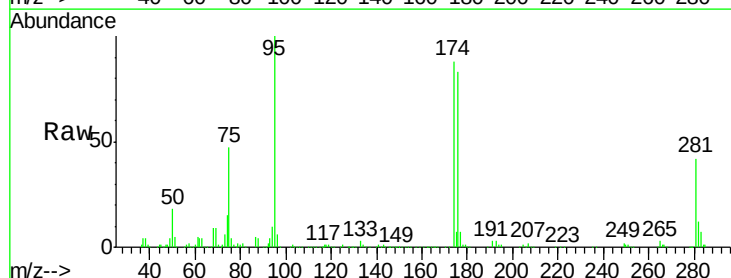
Tgt Ion: 95 Resp: 185812

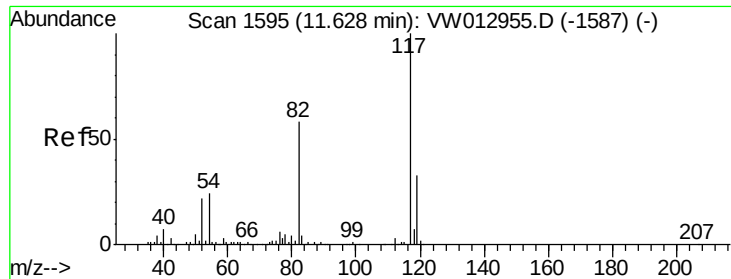
Ion Ratio Lower Upper

95 100

174 89.7 0.0 170.4

176 85.4 0.0 164.6





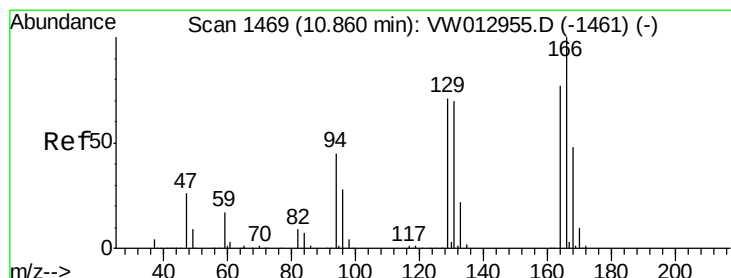
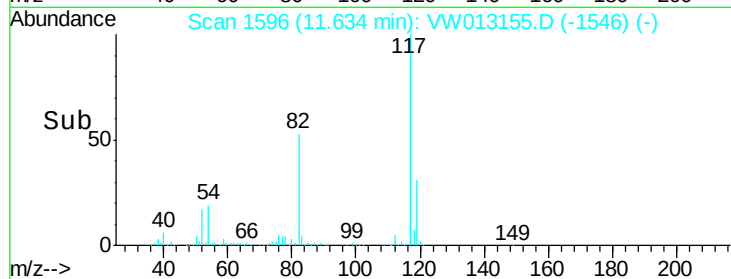
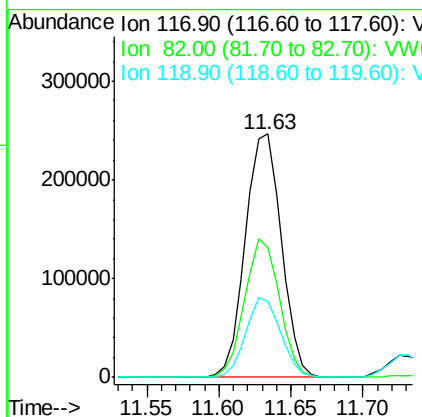
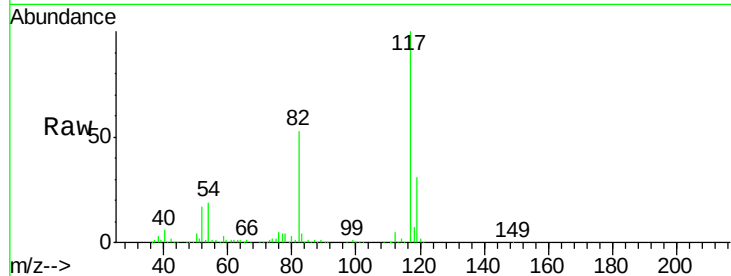
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	426622		
82	53.5	46.3	69.5	
119	31.4	26.2	39.4	

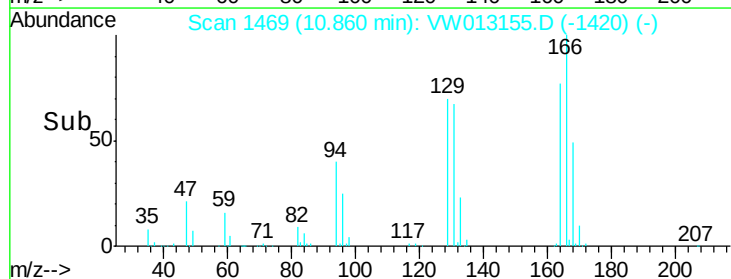
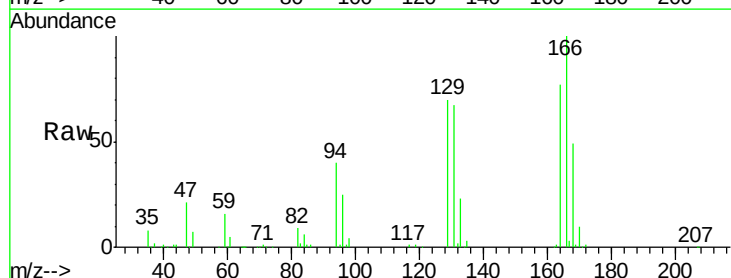
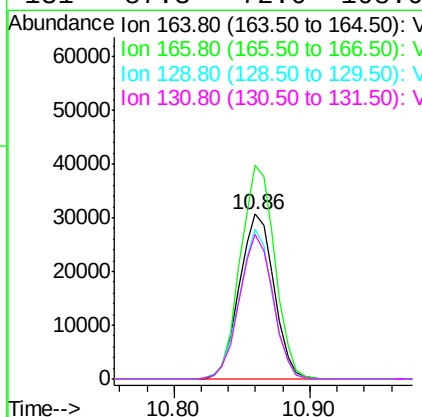
Manual Integrations
APPROVED

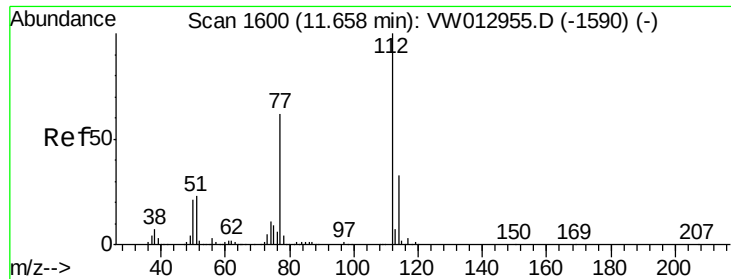
MMDadoda
9/23/2019 10:46:13 AM



#64
Tetrachloroethene
Concen: 21.454 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54449		
166	129.4	103.3	154.9	
129	91.1	73.8	110.8	
131	87.3	72.0	108.0	





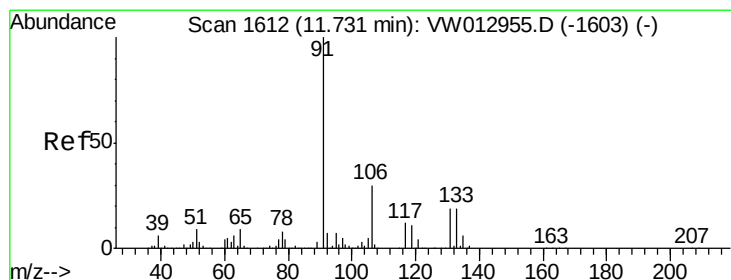
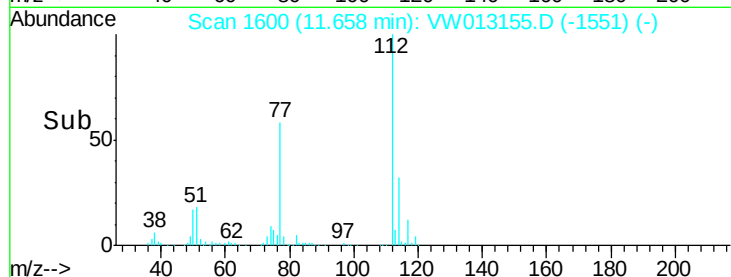
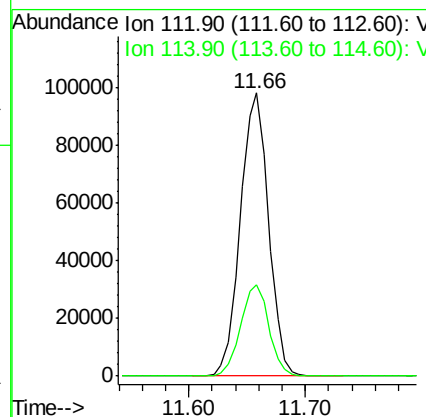
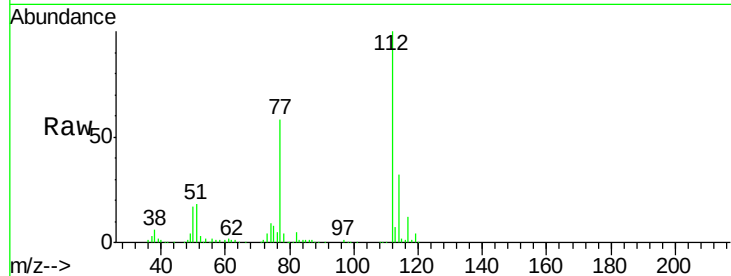
#65
Chlorobenzene
Concen: 21.745 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	165241		
114	32.4	26.4	39.6	

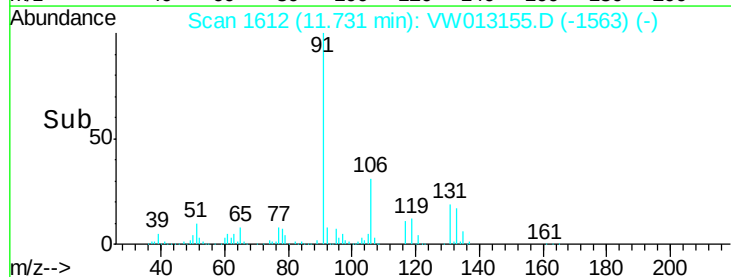
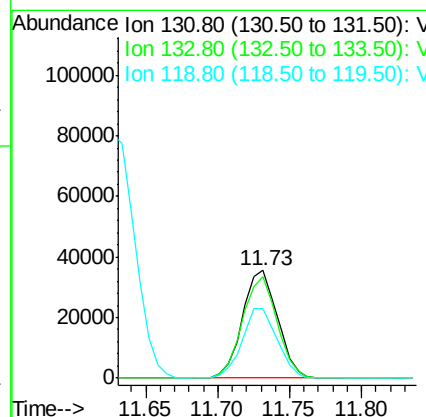
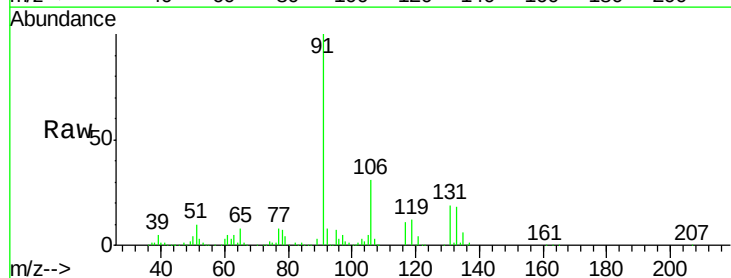
Manual Integrations
APPROVED

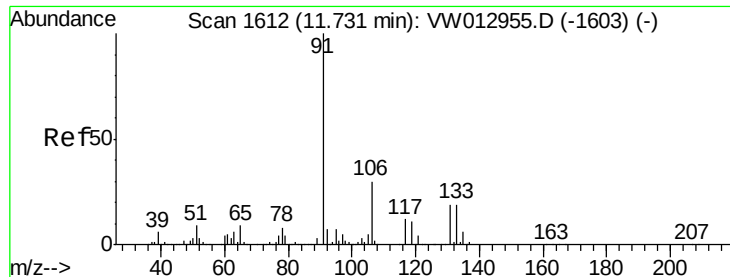
MMDadoda
9/23/2019 10:46:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.655 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	60149		
133	93.1	47.9	143.8	
119	64.6	30.9	92.7	





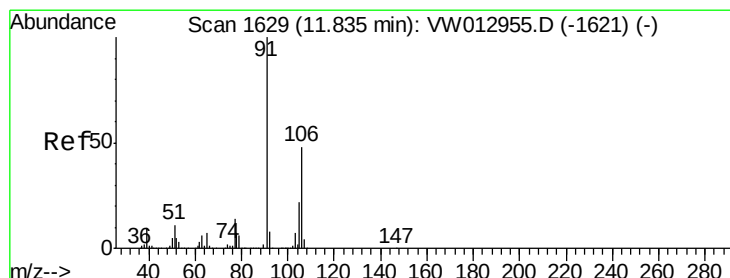
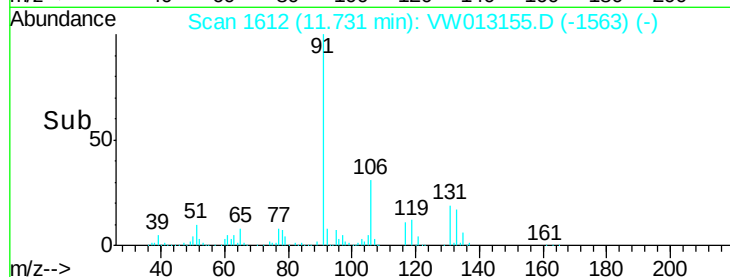
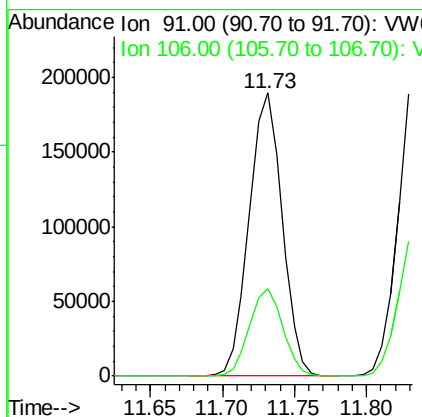
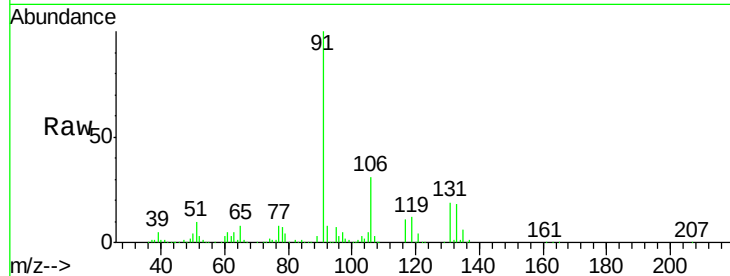
#67
Ethyl Benzene
Concen: 21.461 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.3	36.5

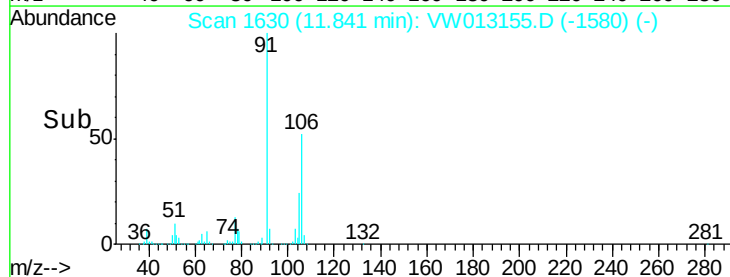
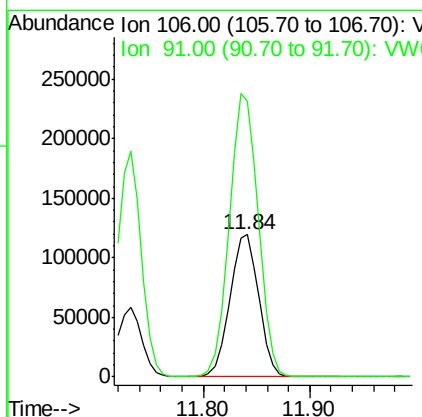
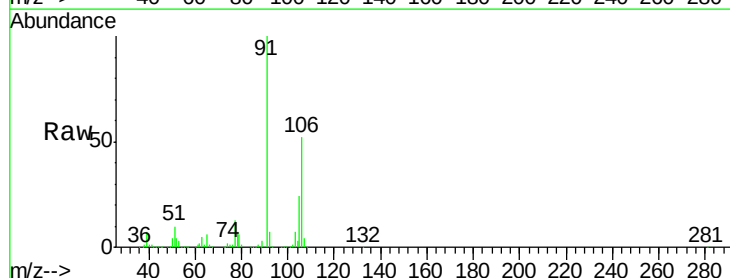
Manual Integrations
APPROVED

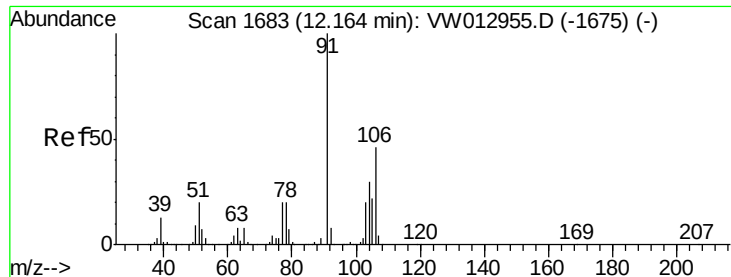
MMDadoda
9/23/2019 10:46:13 AM



#68
m/p-Xylenes
Concen: 44.186 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.4	165.8	248.8





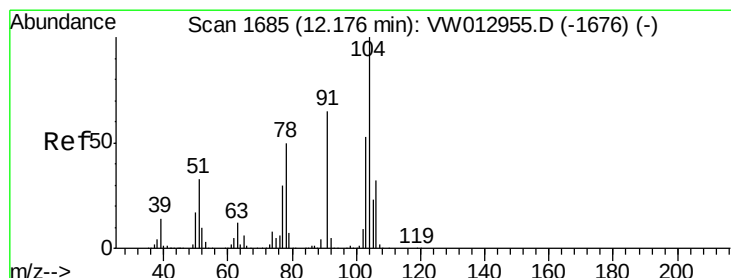
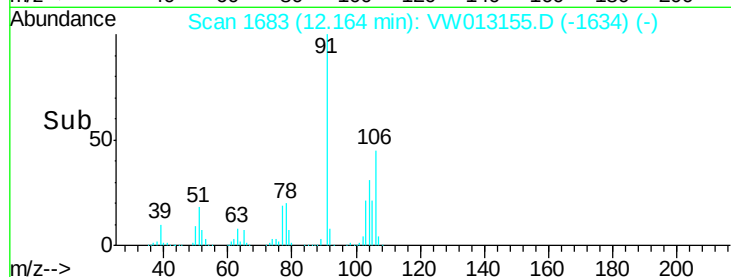
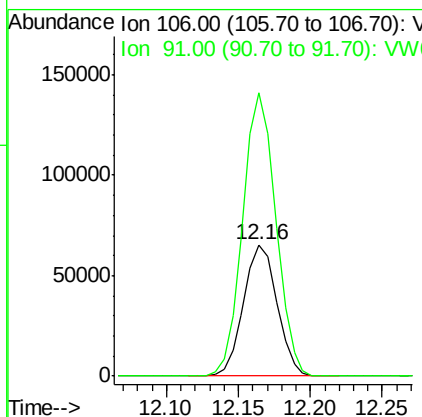
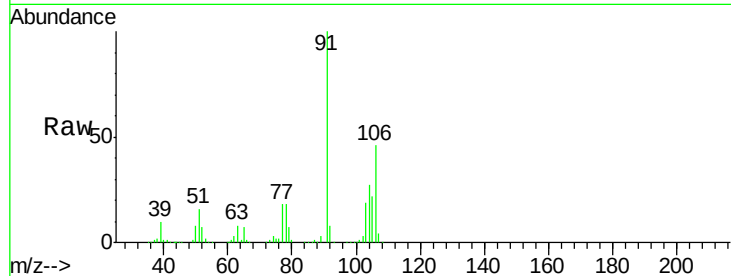
#69
o-Xylene
Concen: 21.979 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	105645		
91	91	213.1	109.7	329.0	

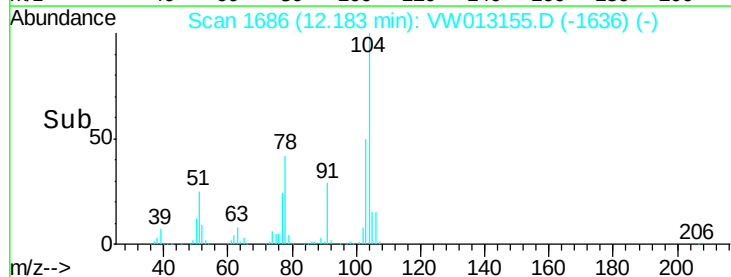
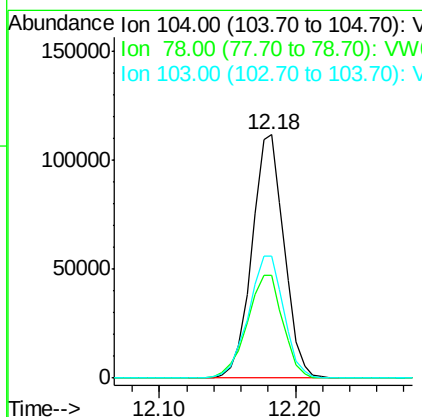
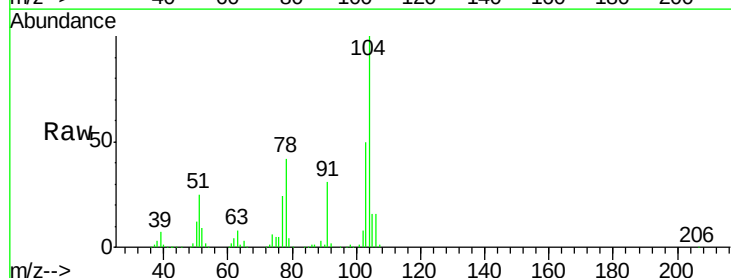
Manual Integrations
APPROVED

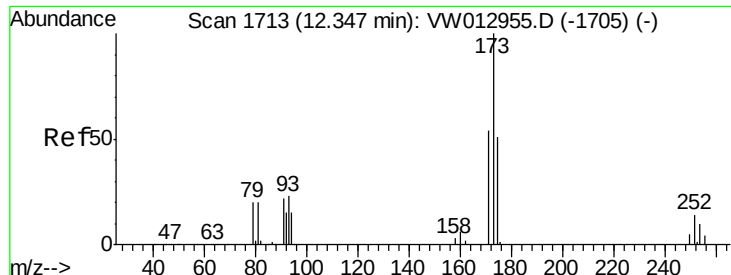
MMDadoda
9/23/2019 10:46:13 AM



#70
Styrene
Concen: 21.681 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	185387		
78	78	47.1	42.1	63.1	
103	103	55.1	44.2	66.4	





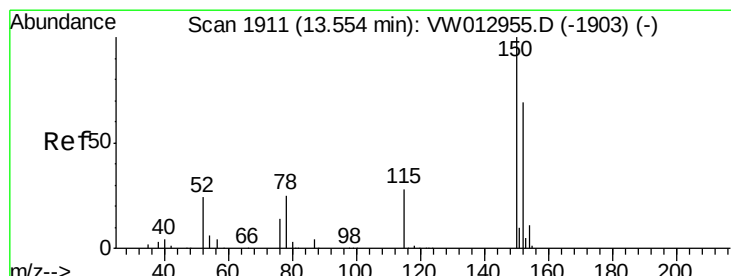
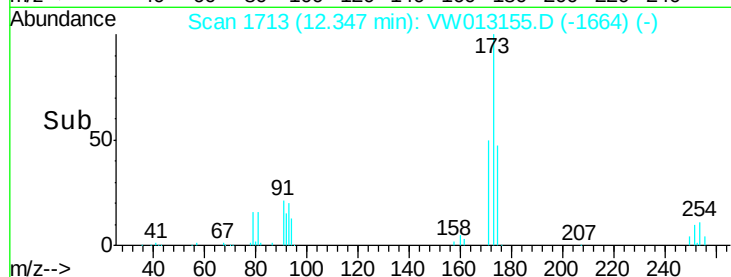
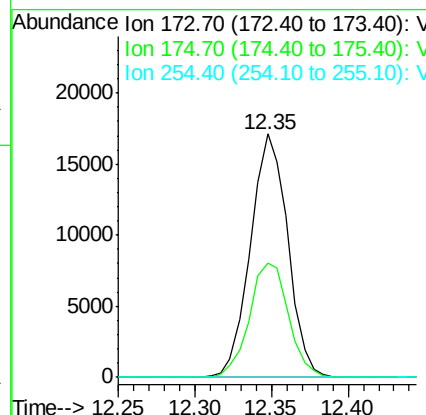
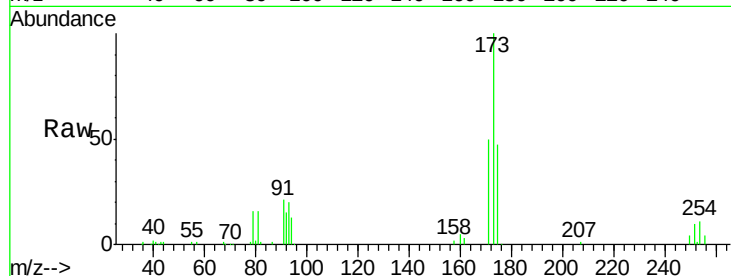
#71
Bromoform
Concen: 18.980 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.0	0.1	0.1#

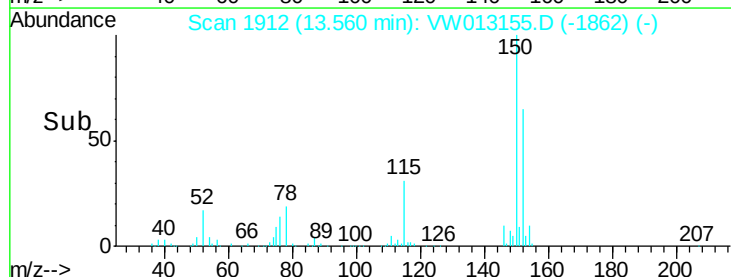
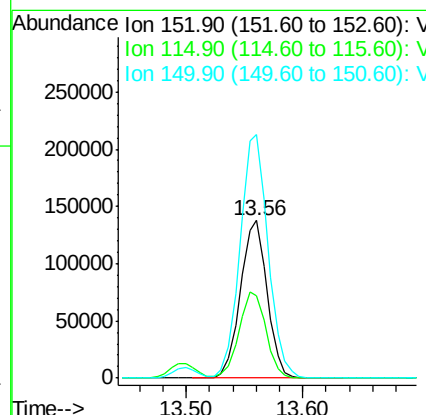
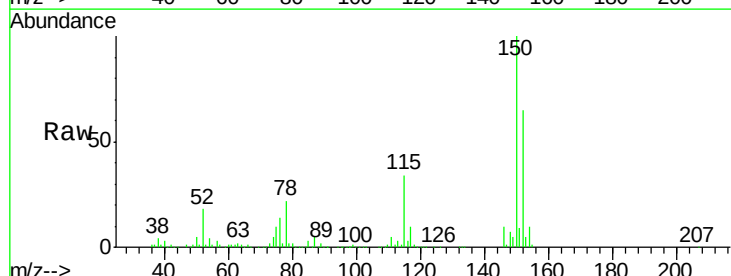
Manual Integrations
APPROVED

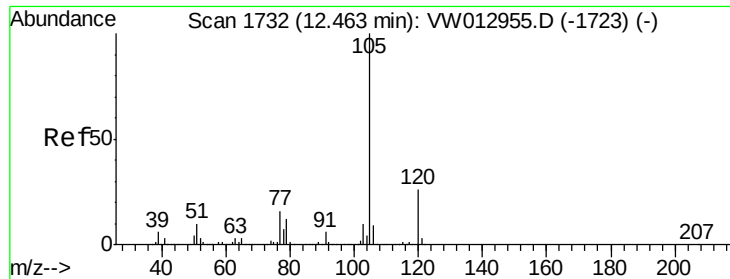
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.8	86.4
150	163.1	0.0	340.2





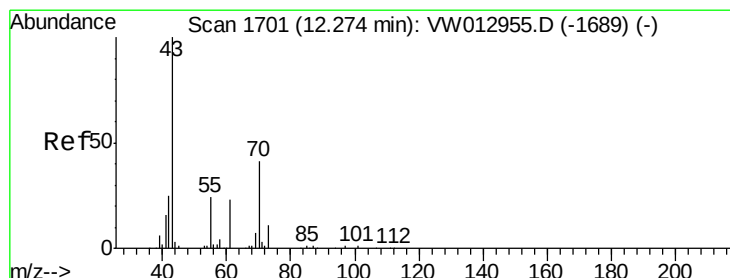
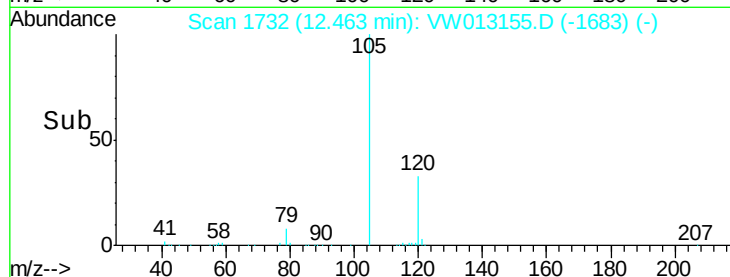
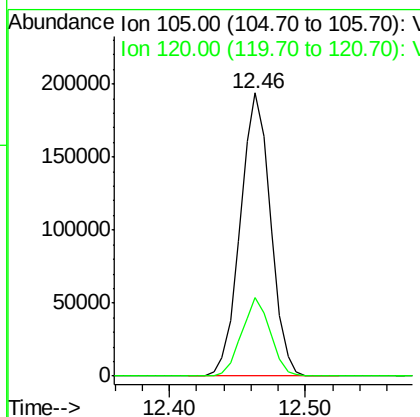
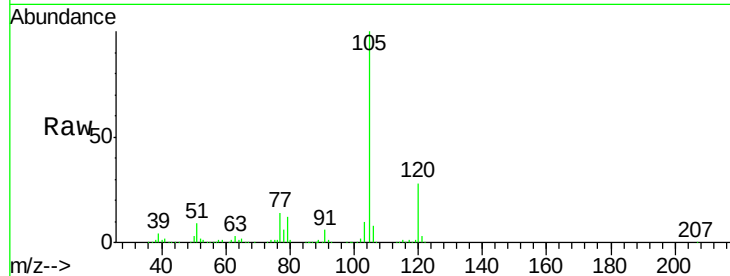
#73
Isopropylbenzene
Concen: 20.710 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	301350		
120	26.4	13.0	39.0	

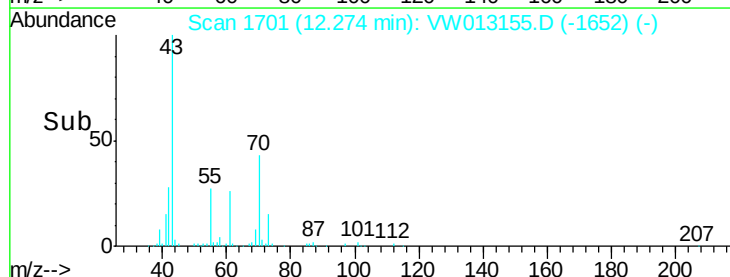
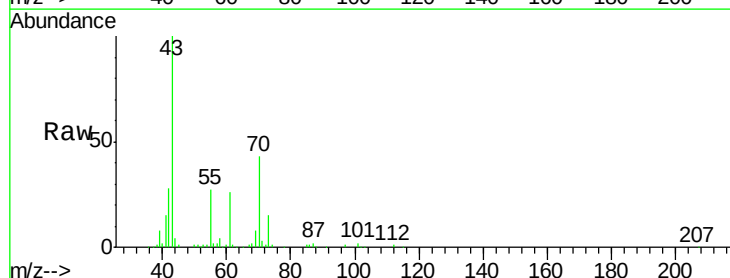
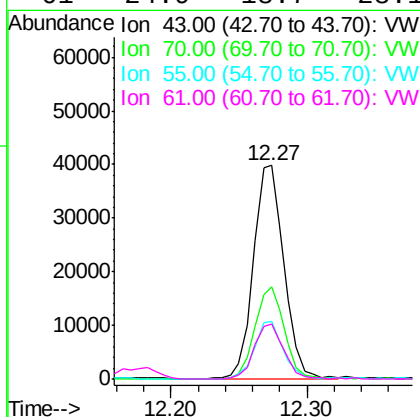
Manual Integrations
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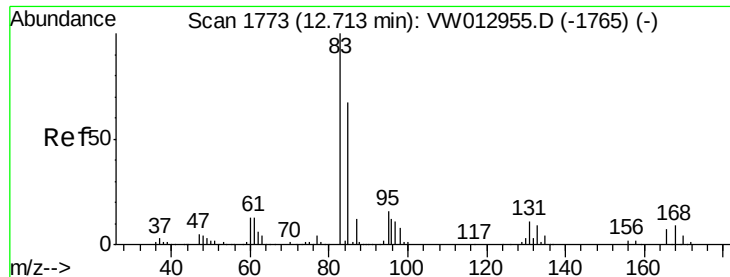
MMDadoda
9/23/2019 10:46:13 AM



#74
N-ethyl acetate
Concen: 16.839 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	63027		
70	41.9	31.7	47.5	
55	25.4	19.4	29.2	
61	24.9	18.7	28.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.108 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

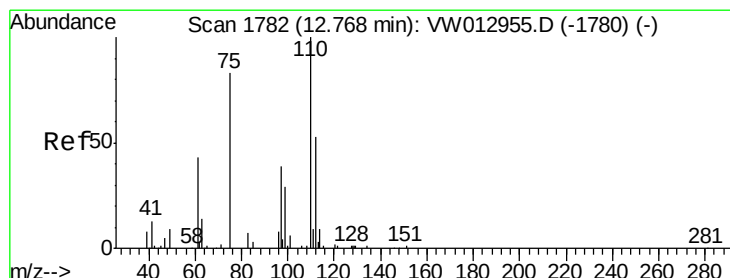
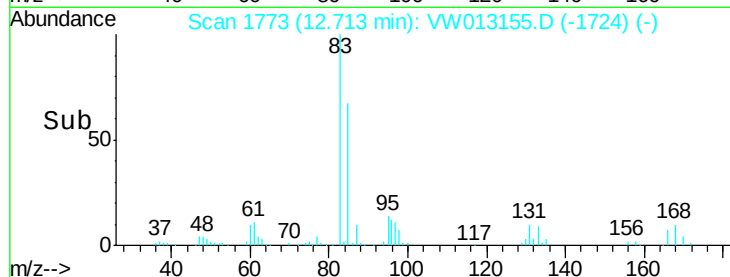
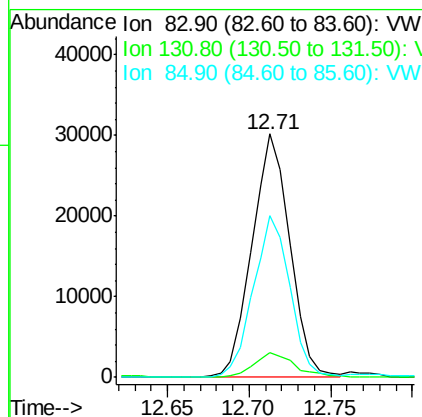
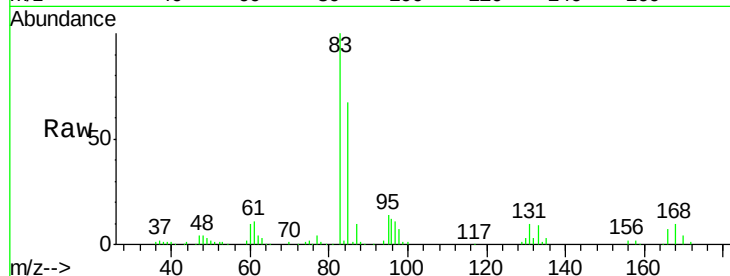
ClientSampleId :

VW0919SBSD01

Tot Ion:	83	Resp:	48833
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.1
85	64.4	31.4	94.3

Manual Integrations
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9/23/2019 10:46:13 AM



#76

1,2,3-Trichloropropane

Concen: 16.449 ug/l m

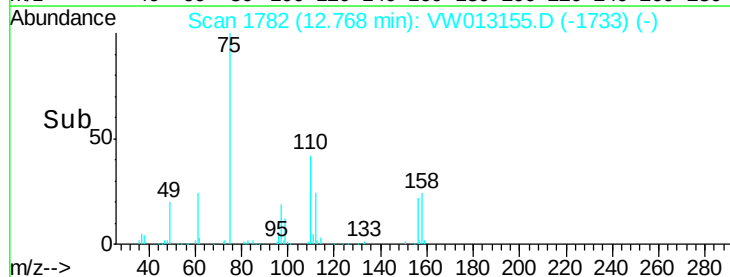
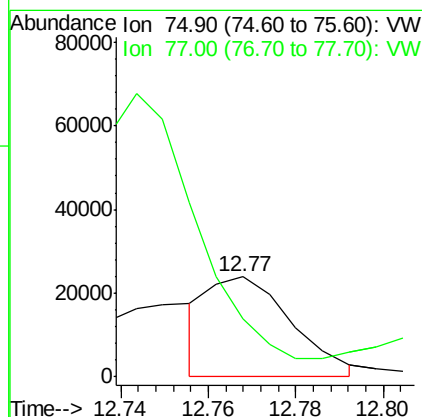
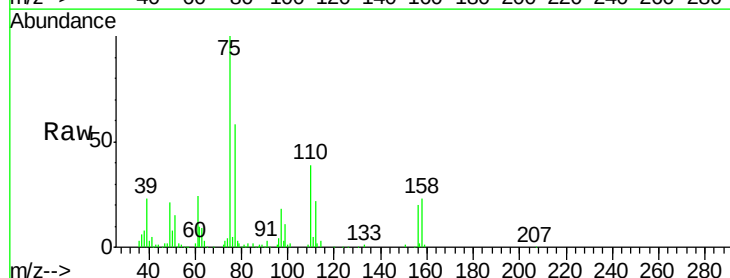
RT: 12.77 min Scan# 1782

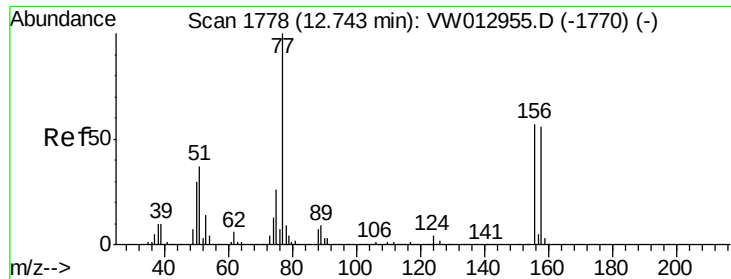
Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Tgt Ion:	75	Resp:	31630
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.066 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBSD01

Tot Ion:156 Resp: 70616

Ion Ratio Lower Upper

156 100

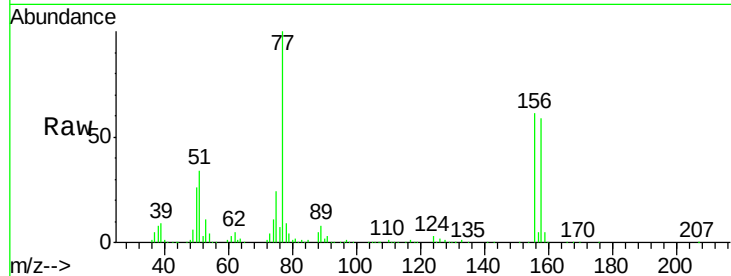
77 175.6 95.2 285.6

158 95.7 49.0 147.2

Manual Integrations
APPROVED

MMDadoda

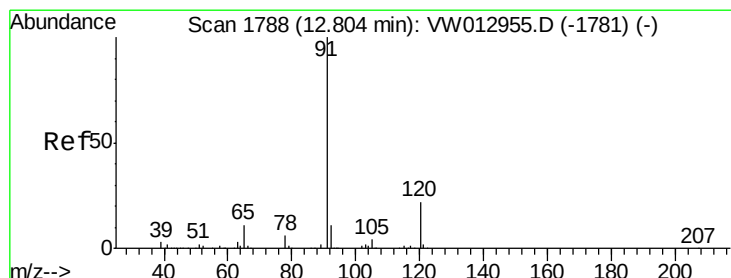
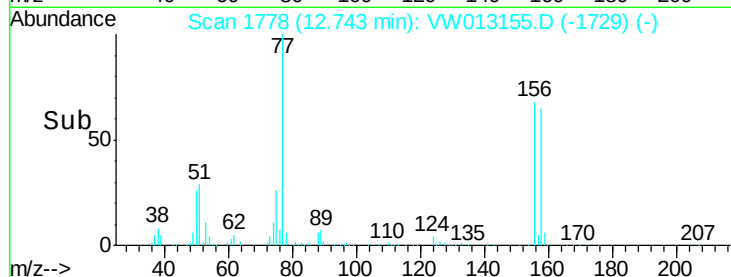
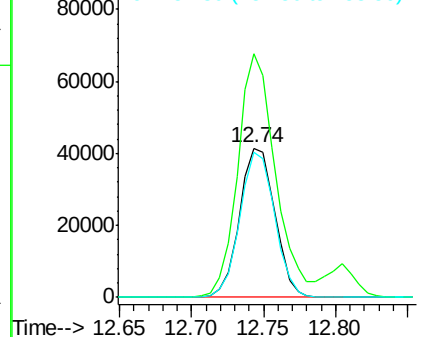
9/23/2019 10:46:13 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.285 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013155.D

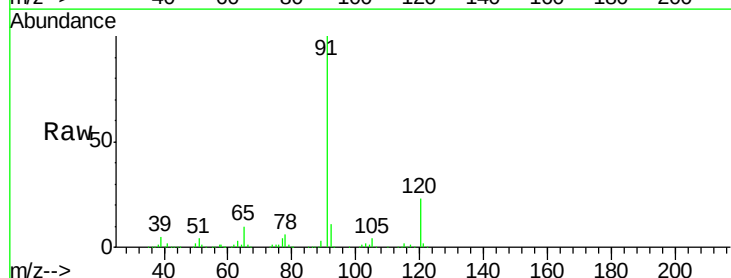
Acq: 19 Sep 2019 12:42

Tgt Ion: 91 Resp: 347198

Ion Ratio Lower Upper

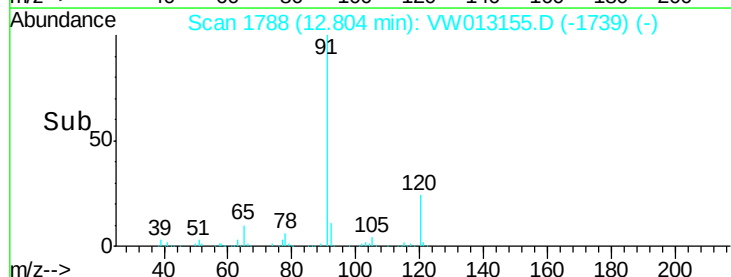
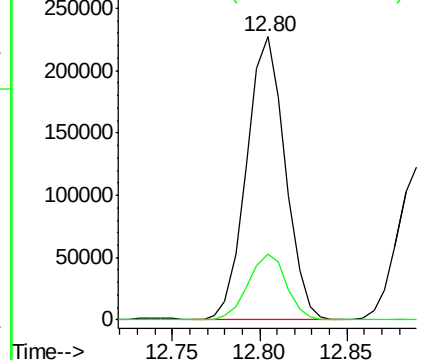
91 100

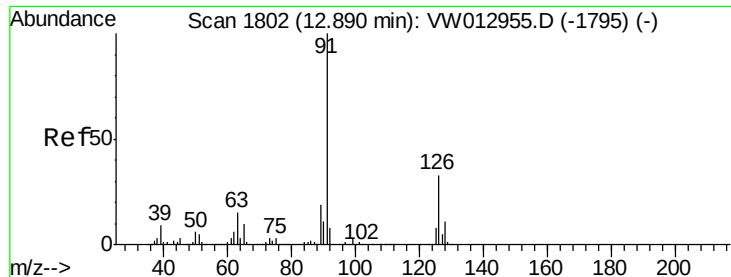
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.138 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBSD01

Tot Ion: 91 Resp: 198144

Ion Ratio Lower Upper

91 100

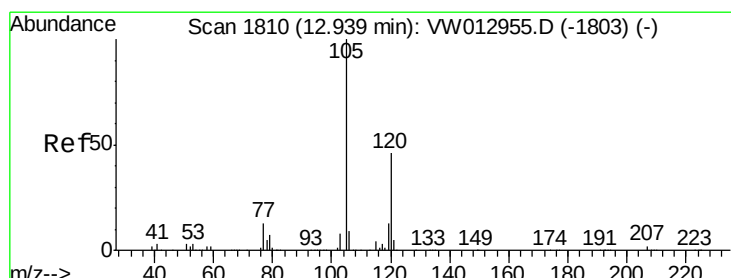
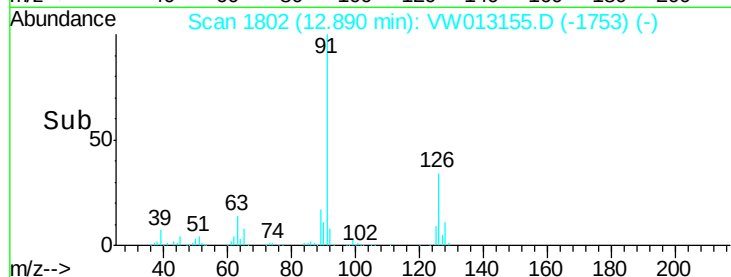
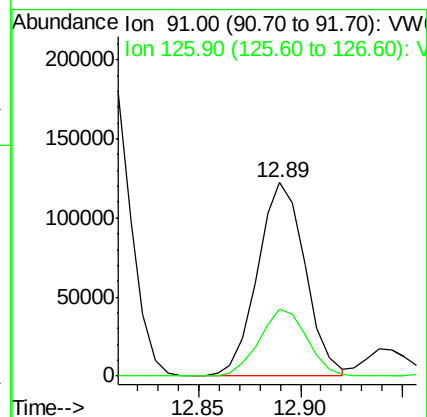
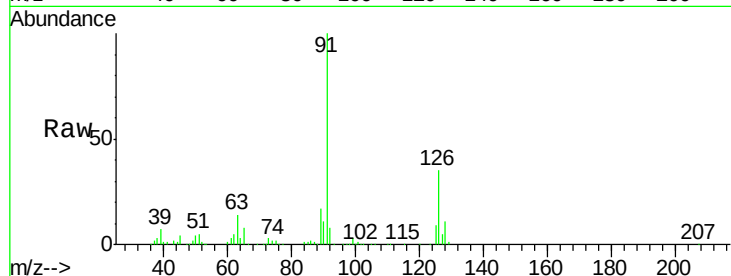
126 34.9 16.5 49.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.331 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013155.D

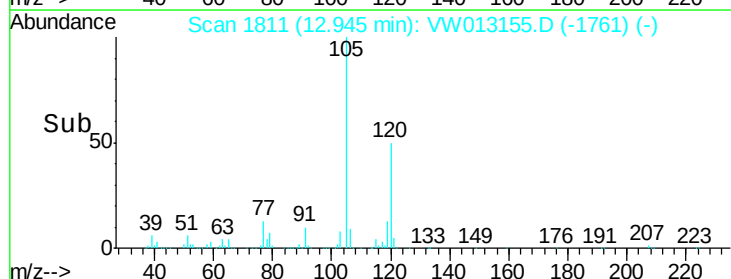
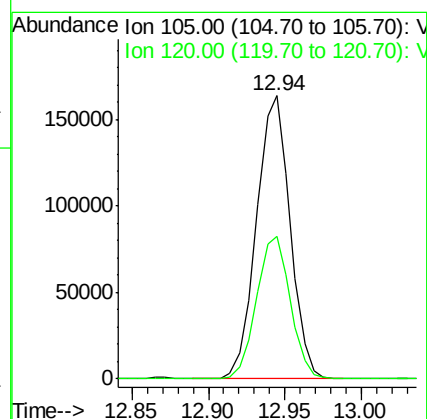
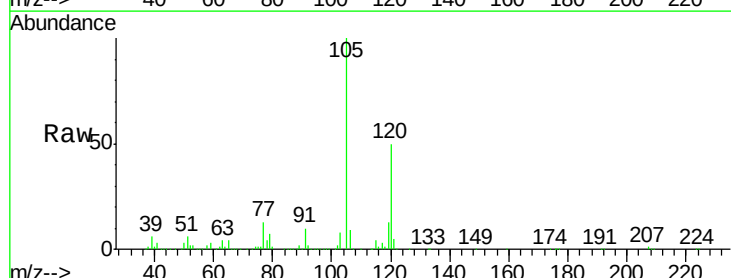
Acq: 19 Sep 2019 12:42

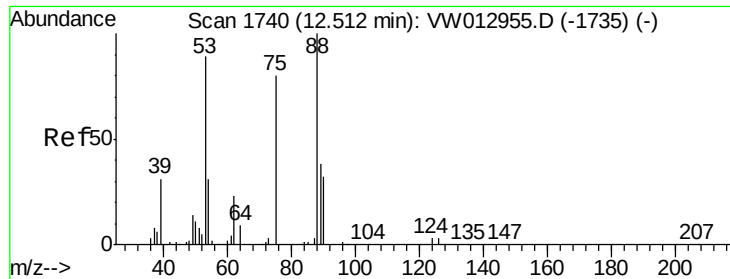
Tgt Ion:105 Resp: 250266

Ion Ratio Lower Upper

105 100

120 50.7 24.2 72.6





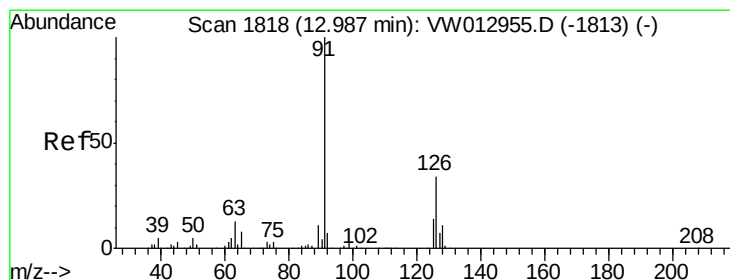
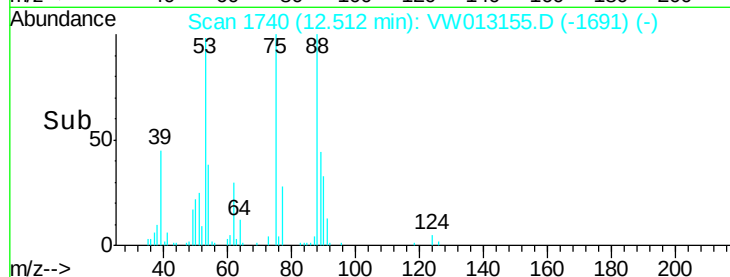
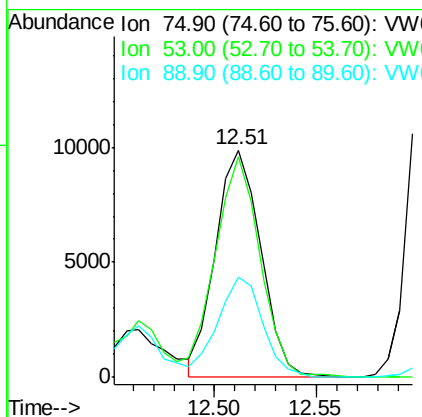
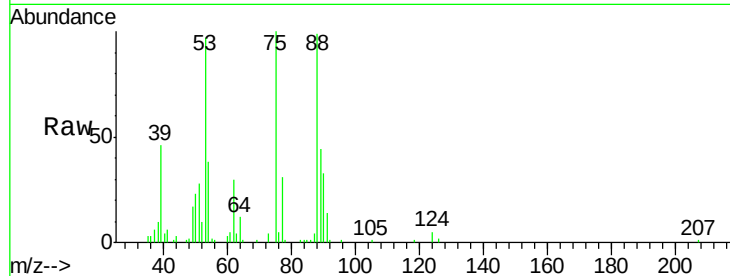
#81
trans-1,4-Dichloro-2-butene
Concen: 17.932 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.8	85.6	128.4
89	43.9	37.2	55.8

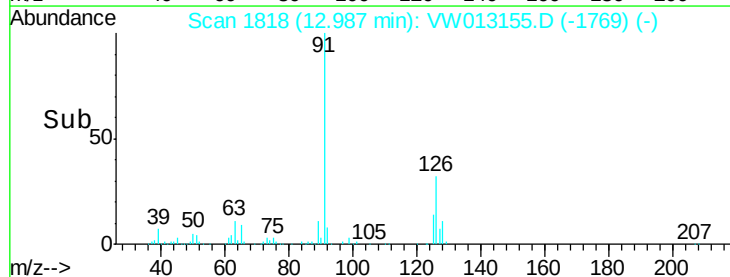
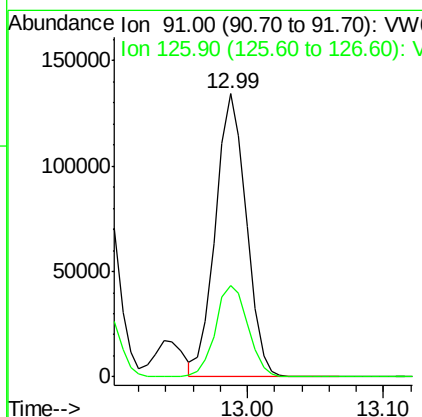
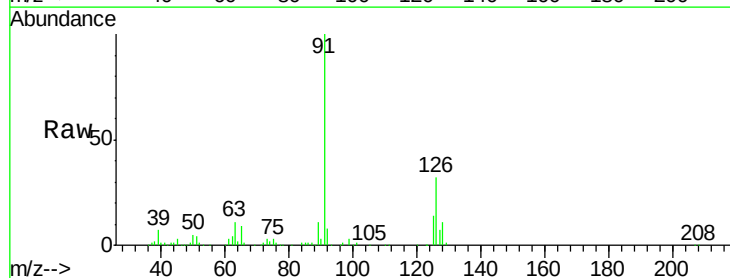
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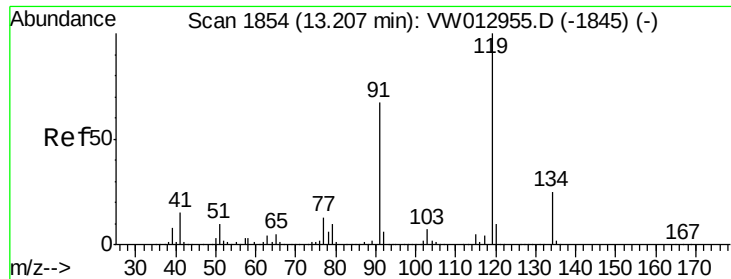
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#82
4-Chlorotoluene
Concen: 20.351 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.1	48.3





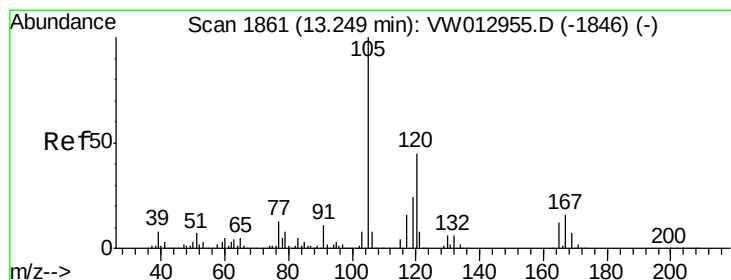
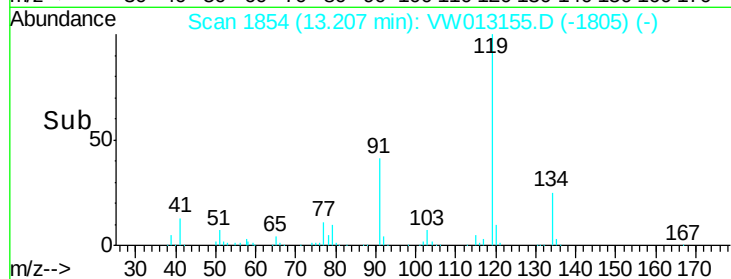
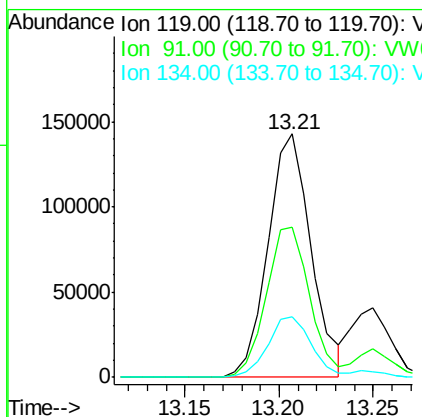
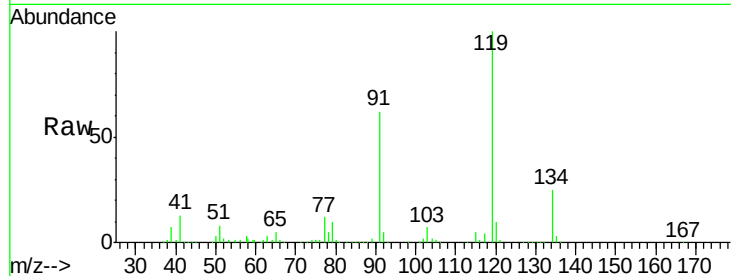
#83
 tert-Butylbenzene
 Concen: 20.570 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226491		
91	62.2		32.6	98.0
134	25.5		12.4	37.4

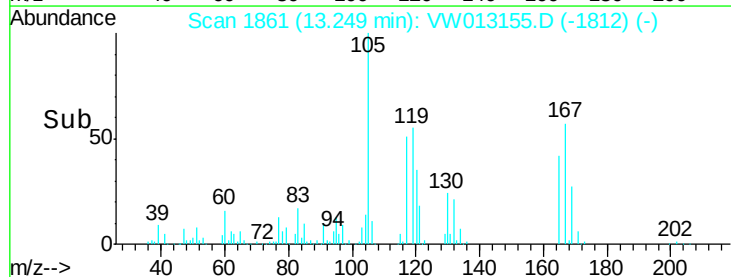
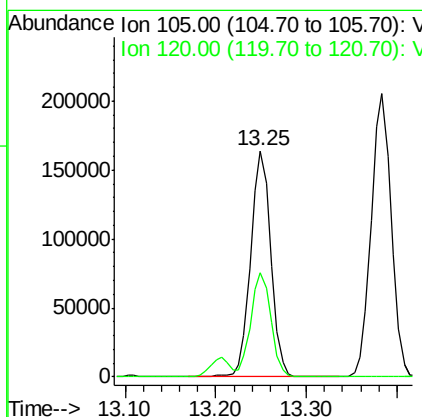
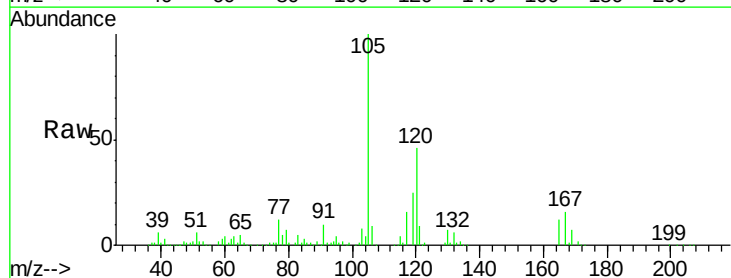
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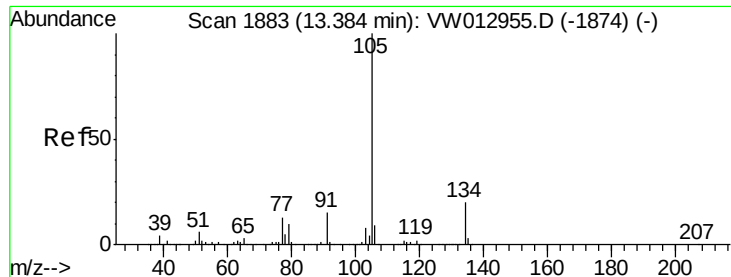
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.826 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	253333		
120	45.6		21.9	65.7





#85

sec-Butylbenzene

Concen: 20.983 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion:105 Resp: 314778

Ion Ratio Lower Upper

105 100

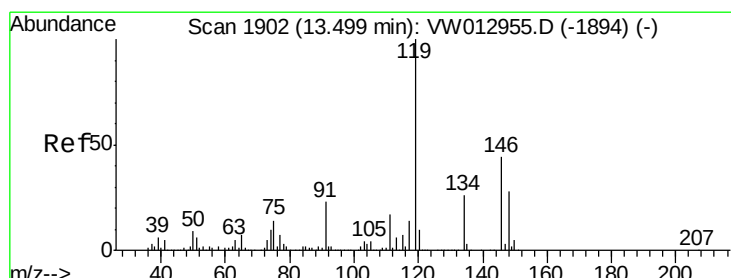
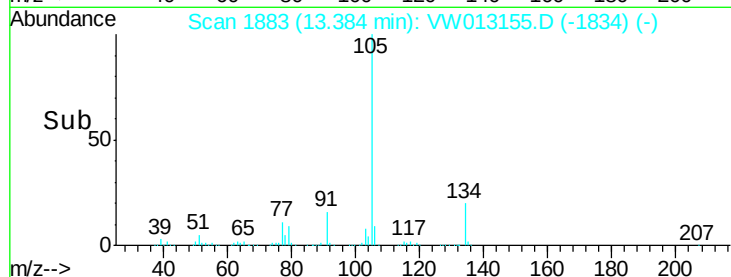
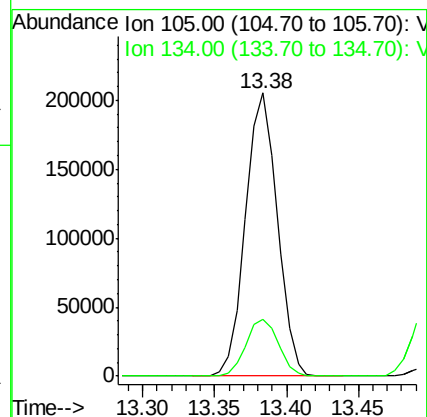
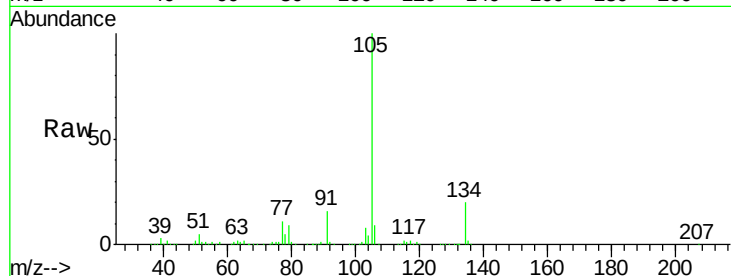
134 20.5 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 20.865 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

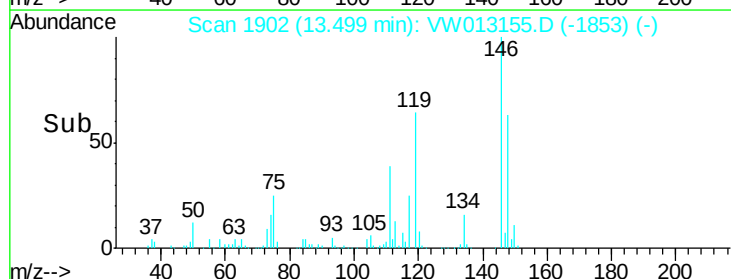
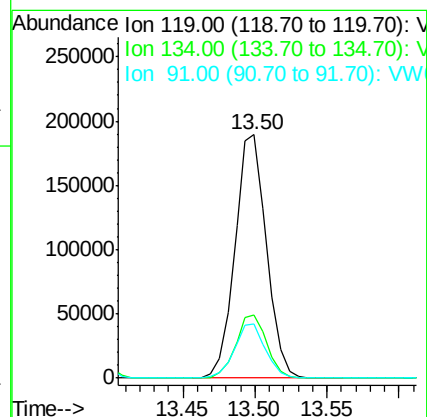
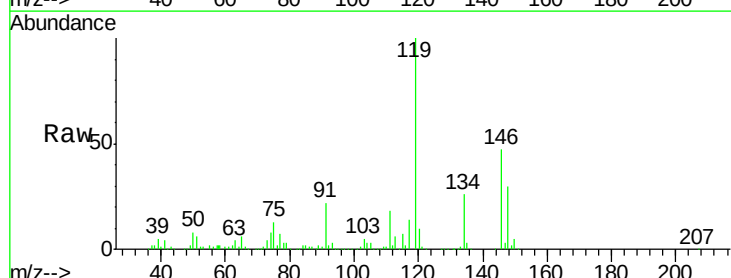
Tgt Ion:119 Resp: 287370

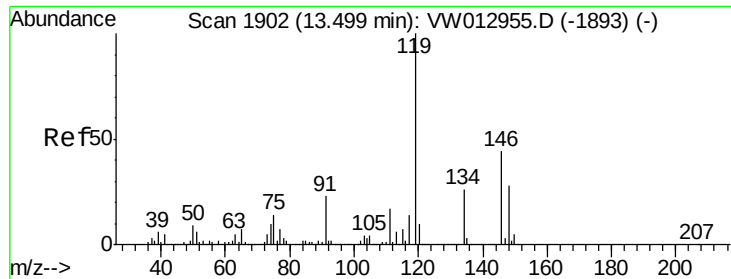
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

91 22.1 11.8 35.4





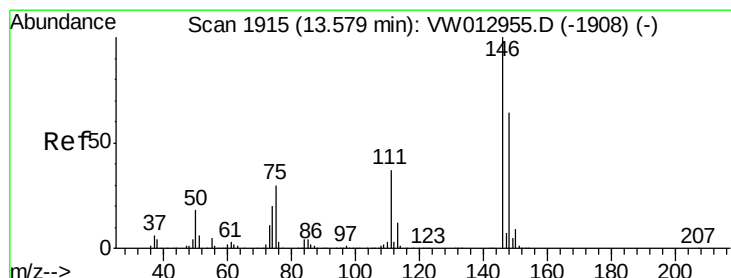
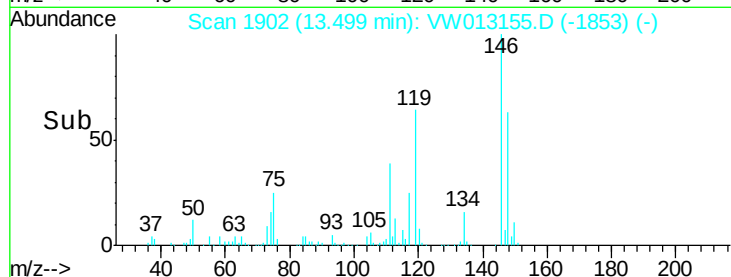
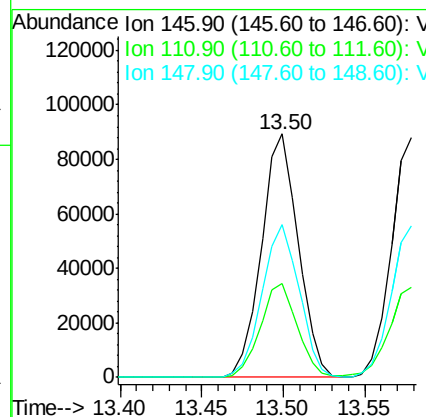
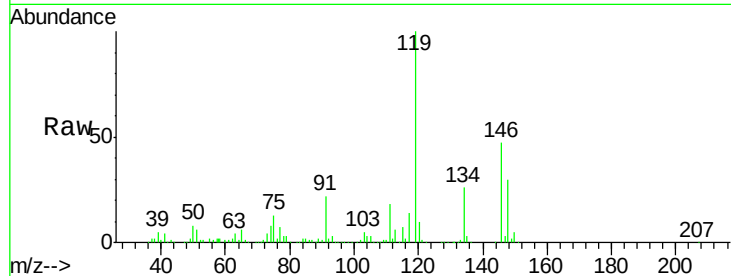
#87
 1,3-Dichlorobenzene
 Concen: 21.074 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139842		
111	38.9	19.8	59.4	
148	63.6	31.9	95.7	

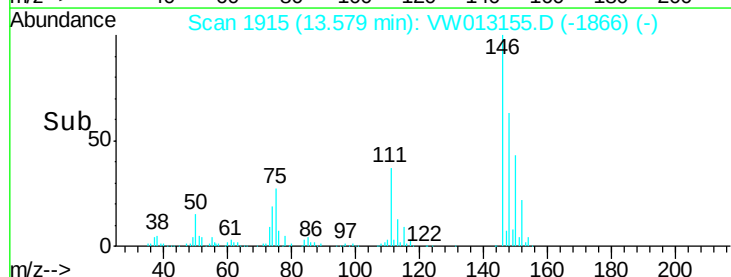
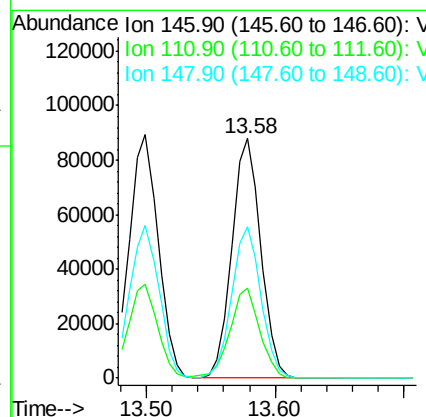
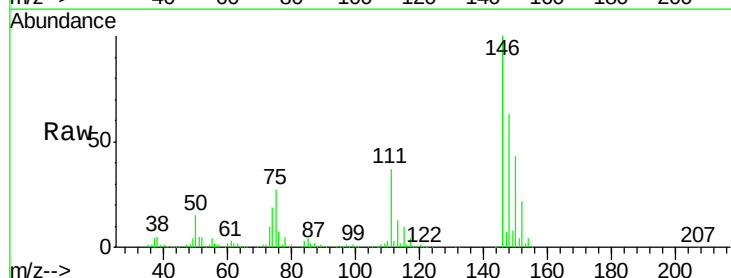
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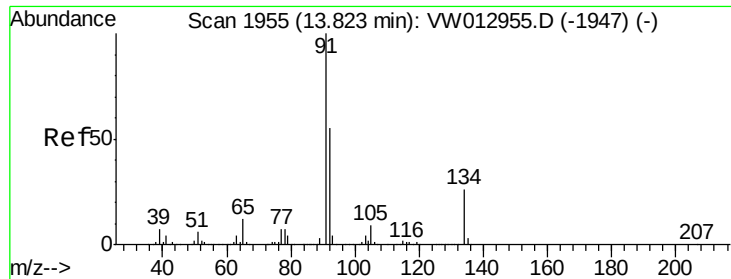
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#88
 1,4-Dichlorobenzene
 Concen: 21.233 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	138459		
111	38.6	19.4	58.2	
148	64.0	31.9	95.5	





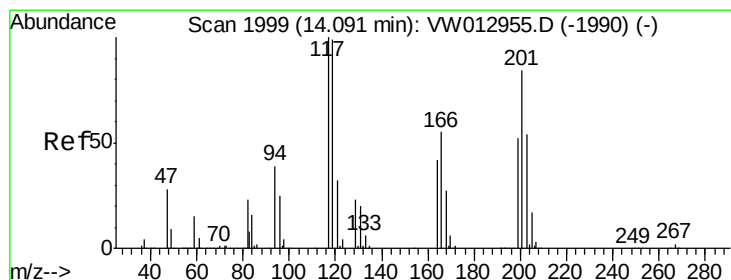
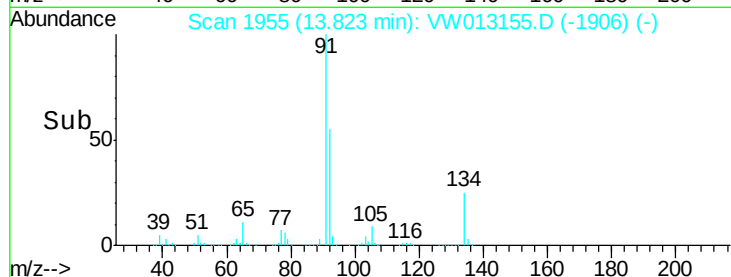
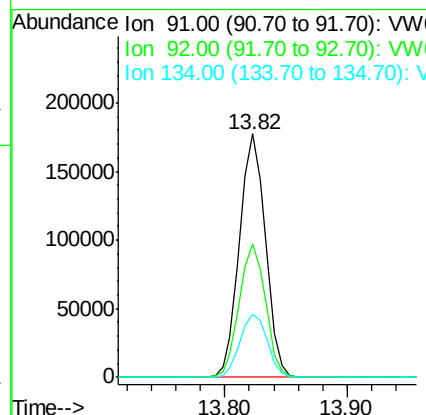
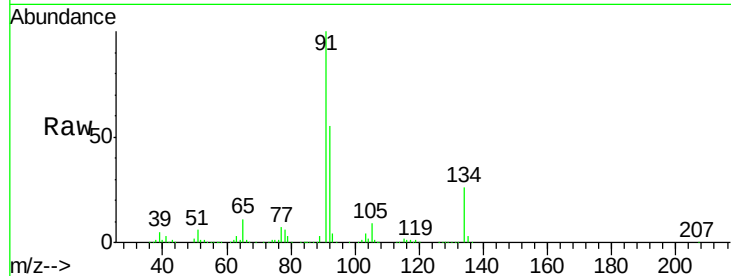
#89
n-Butylbenzene
Concen: 20.045 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	260372		
92	55.3		27.2	81.5
134	27.1		13.1	39.1

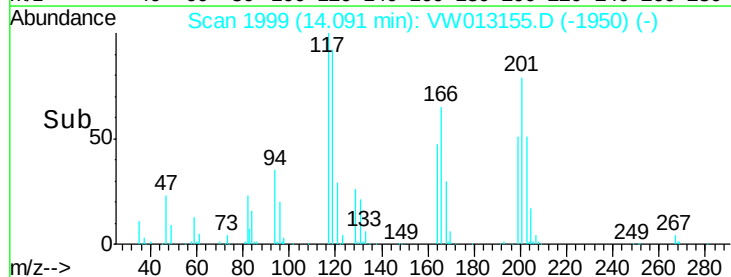
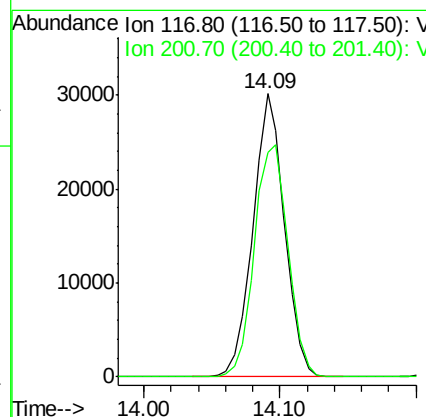
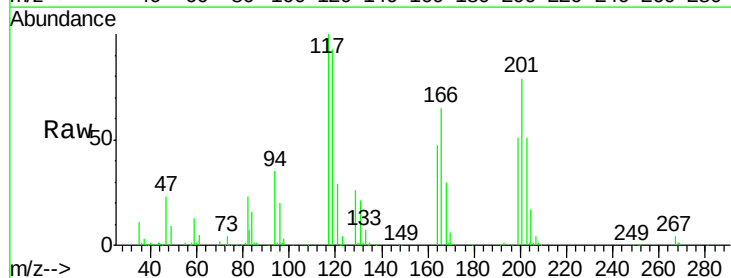
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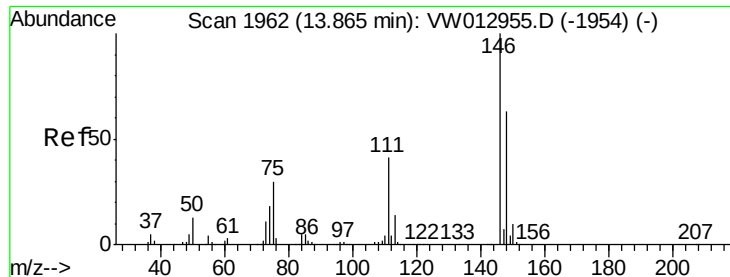
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#90
Hexachloroethane
Concen: 19.820 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48919		
201	87.6		45.3	135.9





#91

1,2-Dichlorobenzene

Concen: 21.328 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW013155.D

Acq: 19 Sep 2019 12:42

Instrument :

MSVOA_W

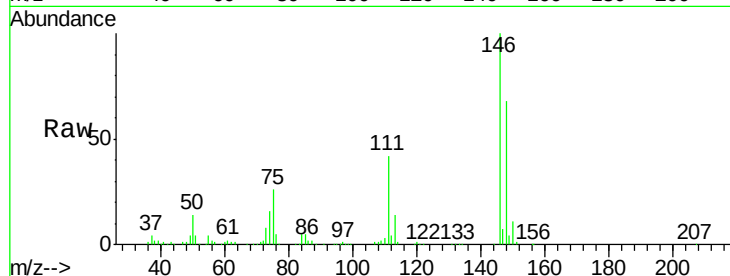
ClientSampleId :

VW0919SBS01

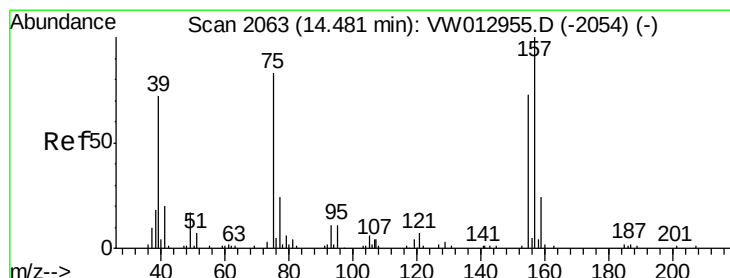
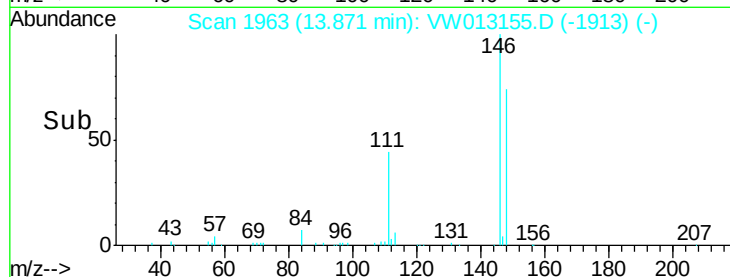
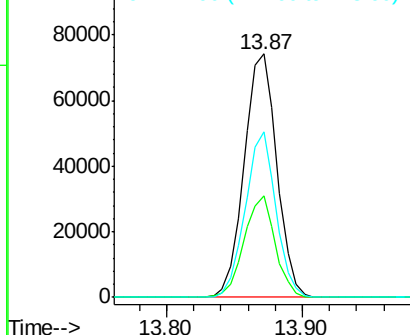
Tot Ion:	146	Resp:	124463
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.8	62.5
148	63.9	32.7	98.1

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.868 ug/l

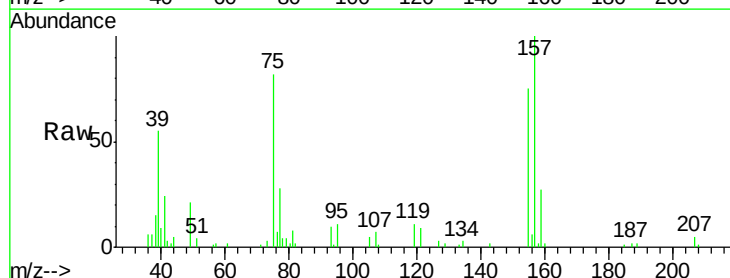
RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

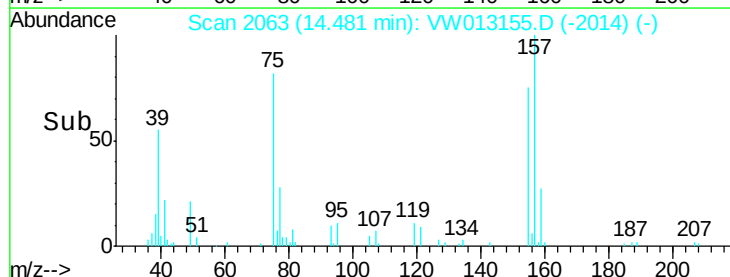
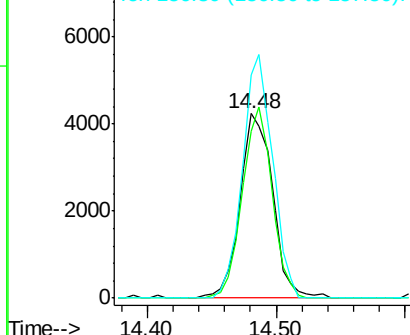
Lab File: VW013155.D

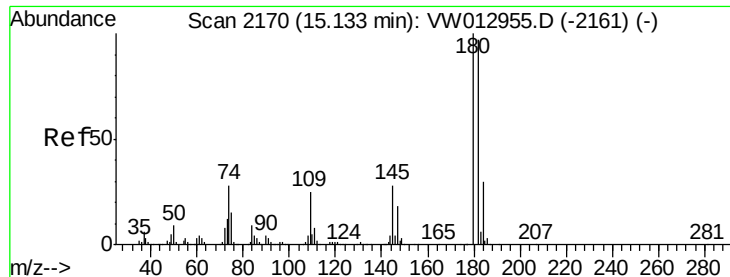
Acq: 19 Sep 2019 12:42

Tgt Ion:	75	Resp:	7423
Ion Ratio	Lower	Upper	
75	100		
155	94.0	43.3	129.9
157	120.9	54.7	164.1



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





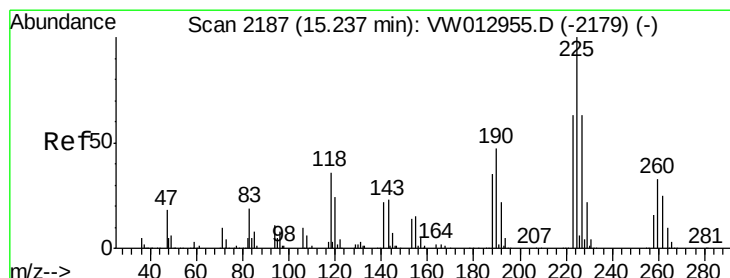
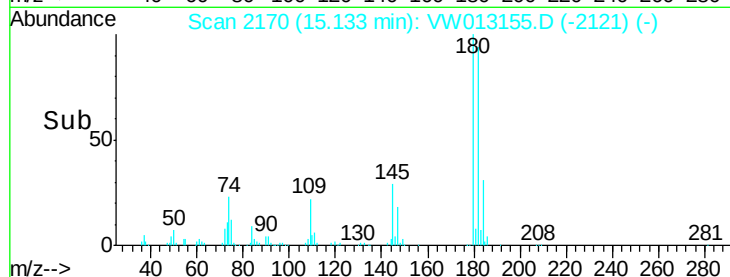
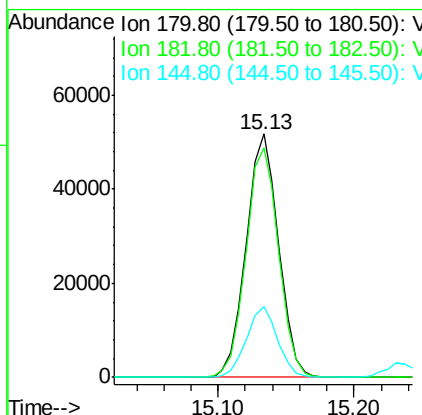
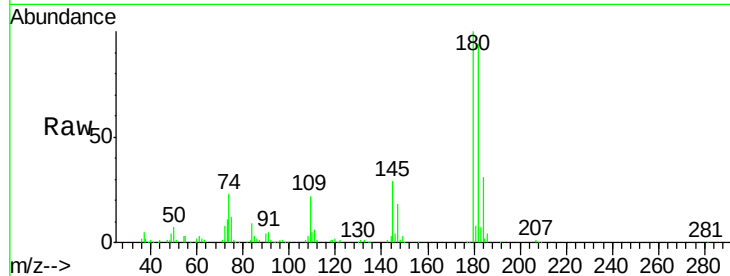
#93
 1,2,4-Trichlorobenzene
 Concen: 20.775 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86460		
182	94.9	47.4	142.2	
145	28.0	14.9	44.7	

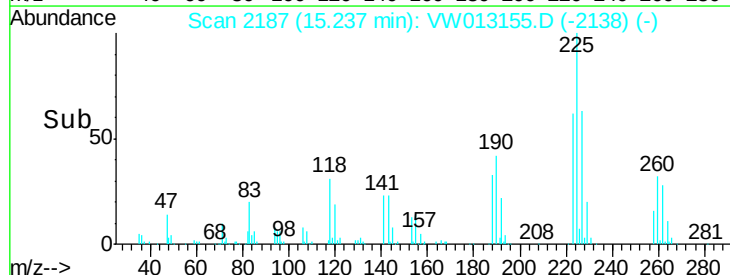
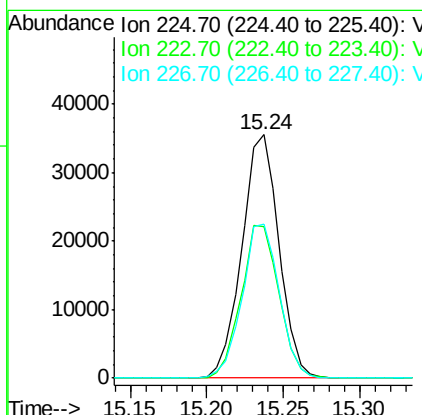
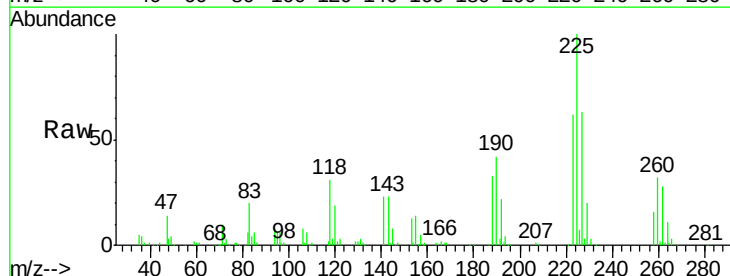
Manual Integrations
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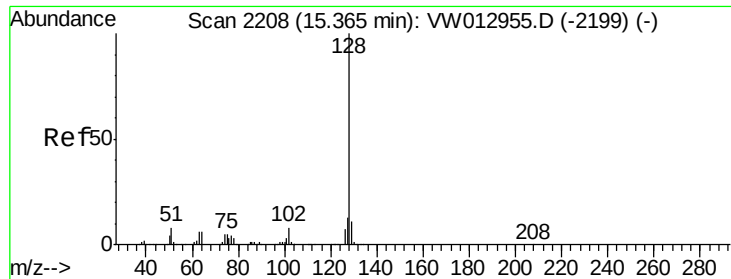
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 9/23/2019 10:46:13 AM



#94
 Hexachlorobutadiene
 Concen: 20.291 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013155.D
 Acq: 19 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59780		
223	64.2	31.8	95.3	
227	63.3	31.3	93.8	





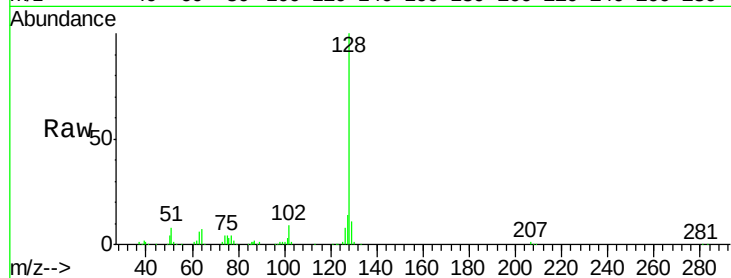
#95
Naphthalene
Concen: 18.810 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		130798		
127	13.5			11.0	16.6
129	11.3			8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/23/2019 10:46:13 AM

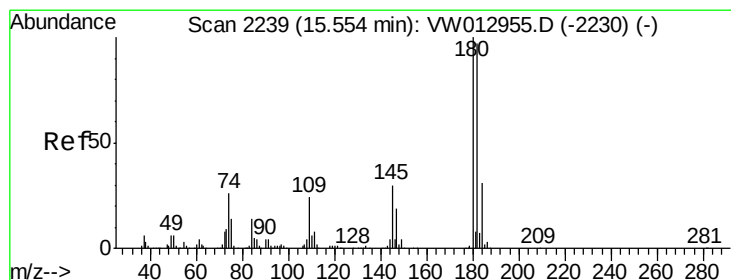
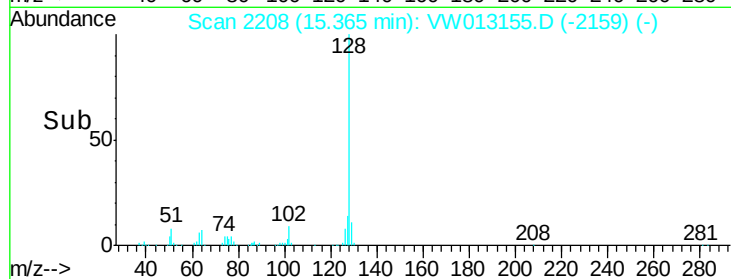
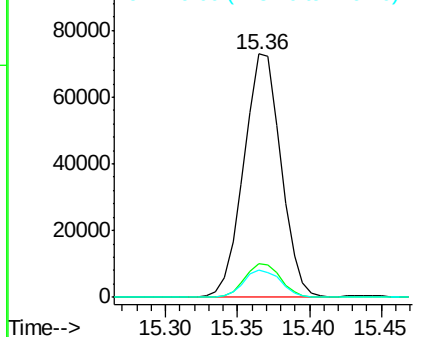


Abundance

Ion 128.00 (127.70 to 128.70): V

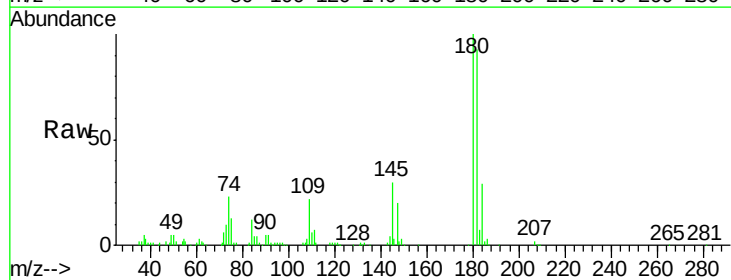
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.055 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013155.D
Acq: 19 Sep 2019 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		73779		
182	95.7			47.6	142.8
145	29.7			15.4	46.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

