

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012985.D
 Acq On : 14 Sep 2019 11:37
 Operator : SY/VA
 Sample : VW0915SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:13:27 AM

Quant Time: Sep 16 07:25:23 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	315688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	151817	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.88	113	129838	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
50) Toluene-d8	10.32	98	522874	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
62) 4-Bromofluorobenzene	12.62	95	174212	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31609	23.814	ug/l	99
3) Chloromethane	2.21	50	36391	21.155	ug/l	94
4) Vinyl Chloride	2.35	62	45609	20.185	ug/l	96
5) Bromomethane	2.77	94	27115	19.650	ug/l	91
6) Chloroethane	2.91	64	27126	19.574	ug/l	95
7) Trichlorofluoromethane	3.24	101	30748	19.459	ug/l	98
8) Diethyl Ether	3.68	74	22228	18.016	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	49139	20.504	ug/l	97
10) Methyl Iodide	4.27	142	62577	20.864	ug/l	97
11) Tert butyl alcohol	5.20	59	17176m	72.021	ug/l	
12) 1,1-Dichloroethene	4.03	96	46390	21.289	ug/l	95
13) Acrolein	3.90	56	21639	96.369	ug/l	99
14) Allyl chloride	4.66	41	89749	21.695	ug/l	98
15) Acrylonitrile	5.37	53	59726	94.779	ug/l	97
16) Acetone	4.13	43	59247	80.386	ug/l	95
17) Carbon Disulfide	4.38	76	95314	21.949	ug/l	99
18) Methyl Acetate	4.67	43	31689	19.077	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	82732	19.234	ug/l #	88
20) Methylene Chloride	4.91	84	54730	20.138	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49120	21.047	ug/l	92
22) Diisopropyl ether	6.31	45	177256	20.626	ug/l	96
23) Vinyl Acetate	6.25	43	504825	98.077	ug/l	98
24) 1,1-Dichloroethane	6.21	63	100170	20.216	ug/l	99
25) 2-Butanone	7.17	43	87437	94.313	ug/l	98
26) 2,2-Dichloropropane	7.16	77	70077	19.653	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	58190	20.826	ug/l	98
28) Bromochloromethane	7.51	49	38002	18.222	ug/l #	97
29) Tetrahydrofuran	7.52	42	50133	94.906	ug/l	98
30) Chloroform	7.67	83	103239	20.506	ug/l	97
31) Cyclohexane	7.95	56	90389	21.913	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	84862	20.468	ug/l	98
36) 1,1-Dichloropropene	8.08	75	75842	21.294	ug/l	100
37) Ethyl Acetate	7.24	43	36474	19.294	ug/l	97
38) Carbon Tetrachloride	8.06	117	77317	21.184	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	85702	21.959	ug/l	98
40) Benzene	8.32	78	214393	21.563	ug/l	99
41) Methacrylonitrile	7.48	41	21005	16.872	ug/l	95
42) 1,2-Dichloroethane	8.40	62	69298	20.791	ug/l	98
43) Isopropyl Acetate	8.42	43	70344	19.380	ug/l	99
44) Trichloroethene	9.09	130	55563	20.402	ug/l	94
45) 1,2-Dichloropropane	9.37	63	56075	21.227	ug/l	97
46) Dibromomethane	9.46	93	25827	20.407	ug/l	97
47) Bromodichloromethane	9.64	83	71809	20.228	ug/l	99
48) Methyl methacrylate	9.43	41	32257	18.936	ug/l	99
49) 1,4-Dioxane	9.46	88	6973	328.808	ug/l #	69
51) 4-Methyl-2-Pentanone	10.21	43	179052	95.548	ug/l	98
52) Toluene	10.38	92	132290	20.938	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	69380	19.432	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	81241	19.887	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39217	20.340	ug/l	98
56) Ethyl methacrylate	10.65	69	48968	18.869	ug/l	97
57) 1,3-Dichloropropane	10.93	76	67055	19.606	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	139041	99.877	ug/l	99
59) 2-Hexanone	10.97	43	124344	95.294	ug/l	96
60) Dibromochloromethane	11.13	129	43153	18.513	ug/l	98
61) 1,2-Dibromoethane	11.23	107	34993	19.896	ug/l	100
64) Tetrachloroethene	10.86	164	47586	21.597	ug/l	96
65) Chlorobenzene	11.65	112	134069	20.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51168	20.239	ug/l	100
67) Ethyl Benzene	11.73	91	254686	20.903	ug/l	95
68) m/p-Xylenes	11.83	106	191830	43.097	ug/l	100
69) o-Xylene	12.16	106	87107	20.874	ug/l	100
70) Styrene	12.18	104	153141	20.630	ug/l	99
71) Bromoform	12.35	173	25382	19.113	ug/l #	99
73) Isopropylbenzene	12.46	105	255429	20.124	ug/l	99
74) N-amyl acetate	12.27	43	63238	19.368	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	44070	19.768	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	29791m	17.761	ug/l	
77) Bromobenzene	12.74	156	58346	19.953	ug/l	98
78) n-propylbenzene	12.80	91	309576	20.734	ug/l	99
79) 2-Chlorotoluene	12.89	91	175209	20.413	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	220150	20.501	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13558	18.336	ug/l	96
82) 4-Chlorotoluene	12.99	91	187996	20.759	ug/l	98
83) tert-Butylbenzene	13.21	119	193022	20.096	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	214240	20.190	ug/l	98
85) sec-Butylbenzene	13.38	105	269361	20.583	ug/l	99
86) p-Isopropyltoluene	13.50	119	250384	20.840	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	118766	20.517	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	114922	20.203	ug/l	99
89) n-Butylbenzene	13.82	91	225266	19.881	ug/l	98
90) Hexachloroethane	14.09	117	39948	18.554	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	102160	20.069	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7081	17.352	ug/l	98

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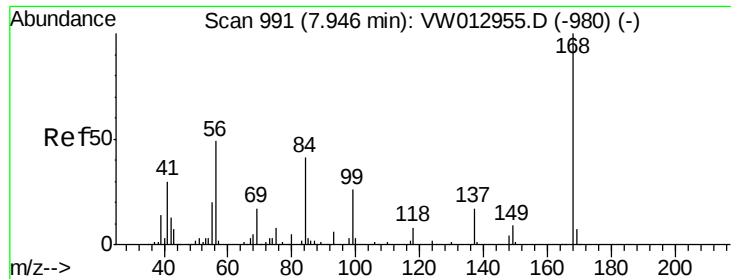
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66741	18.384	ug/l	98
94) Hexachlorobutadiene	15.24	225	49900	19.416	ug/l	97
95) Naphthalene	15.36	128	105543	17.399	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	58047	18.088	ug/l	98

(#) = 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: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion:168 Resp: 315688

Ion Ratio Lower Upper

168 100

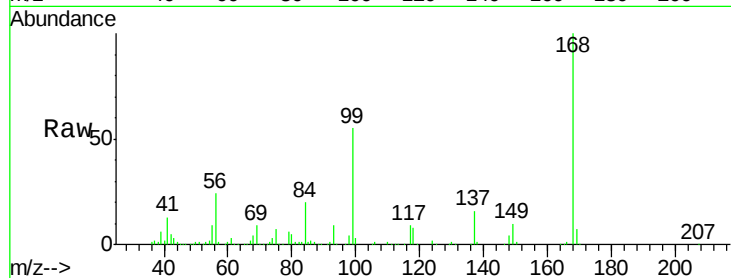
99 54.8 46.2 69.2

Manual Integrations

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9/16/2019 11:13:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

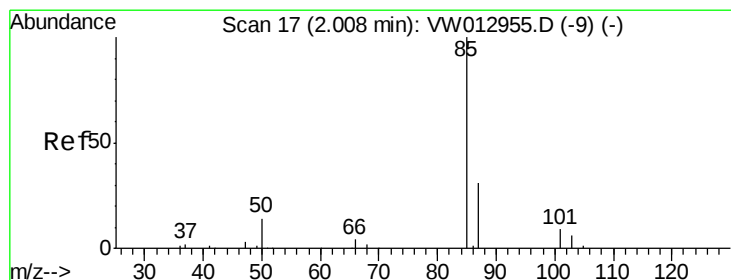
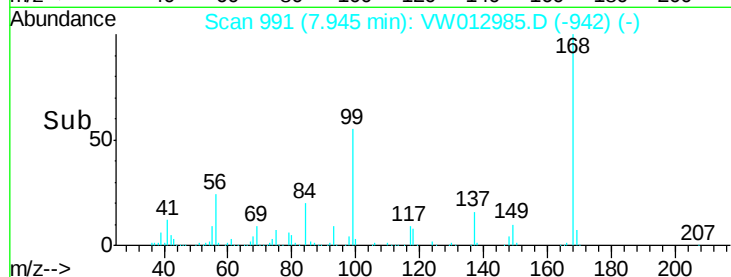
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.814 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012985.D

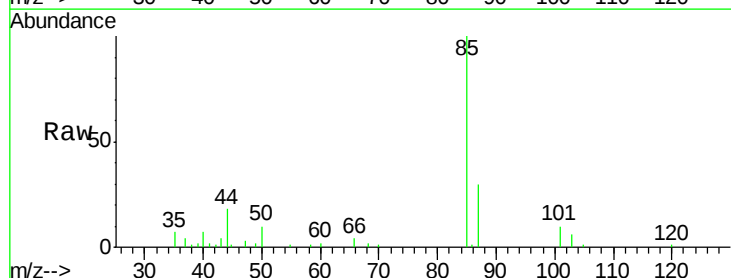
Acq: 14 Sep 2019 11:37

Tgt Ion: 85 Resp: 31609

Ion Ratio Lower Upper

85 100

87 30.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

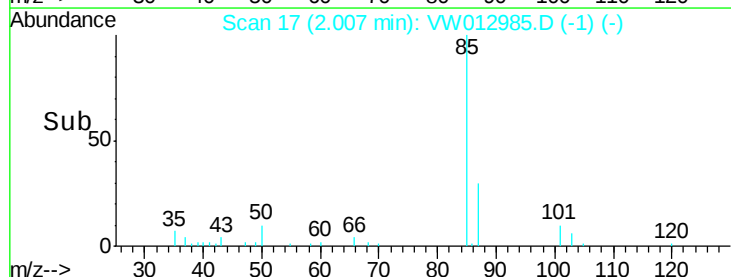
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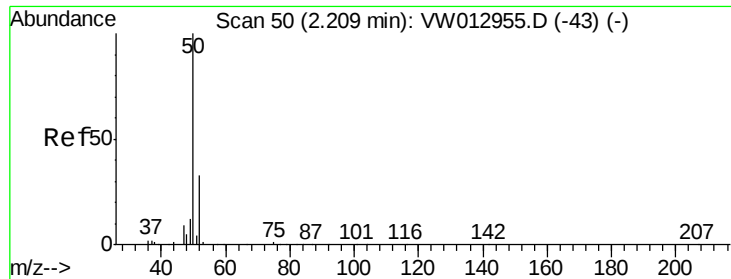
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.155 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion: 50 Resp: 36391

Ion Ratio Lower Upper

50 100

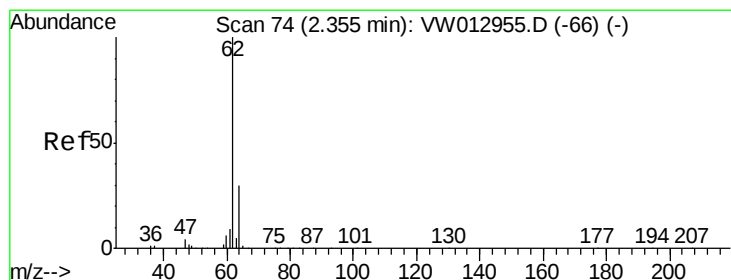
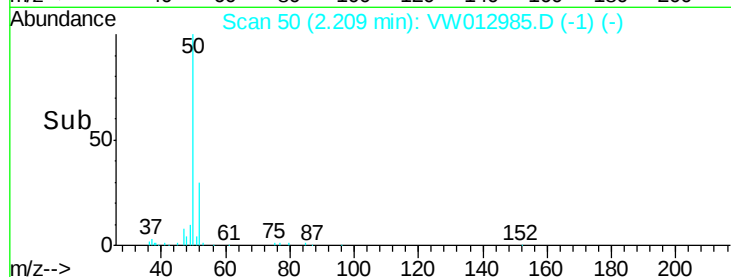
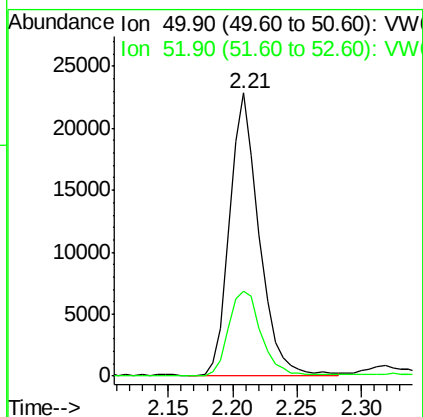
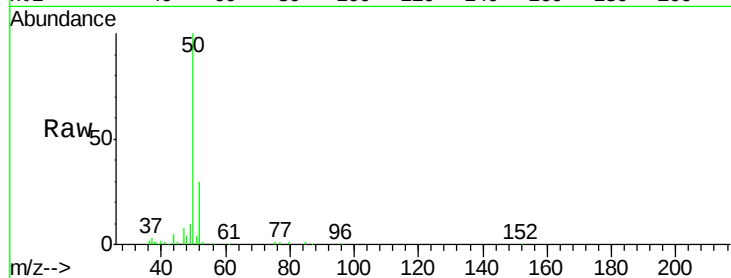
52 30.0 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.185 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW012985.D

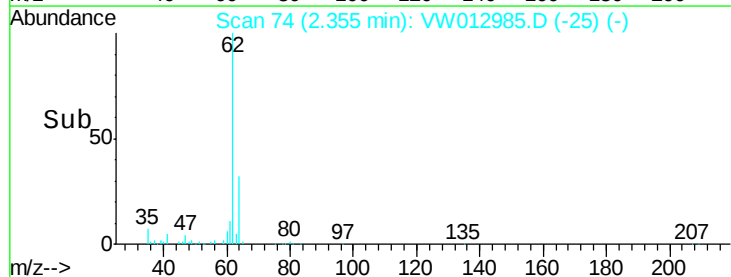
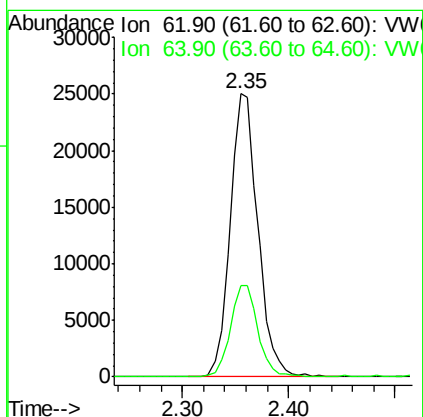
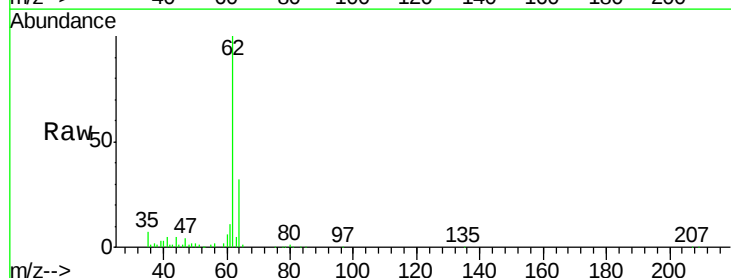
Acq: 14 Sep 2019 11:37

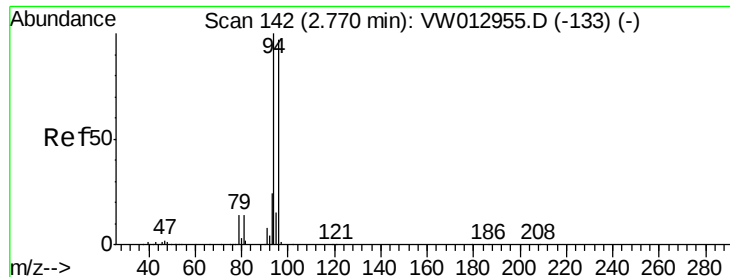
Tgt Ion: 62 Resp: 45609

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4





#5

Bromomethane

Concen: 19.650 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

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ClientSampleId :

VW0915SBS01

Tot Ion: 94 Resp: 27115

Ion Ratio Lower Upper

94 100

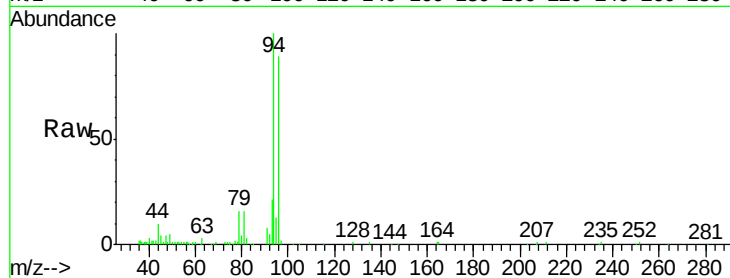
96 88.8 77.8 116.6

Manual Integrations

APPROVED

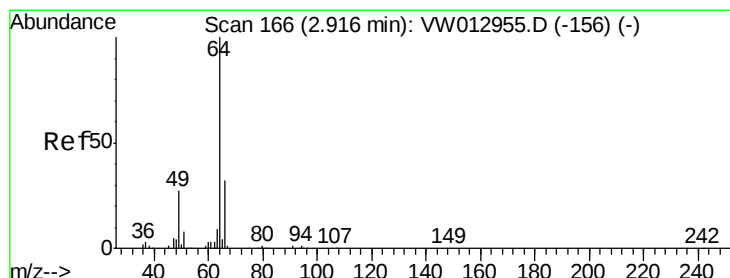
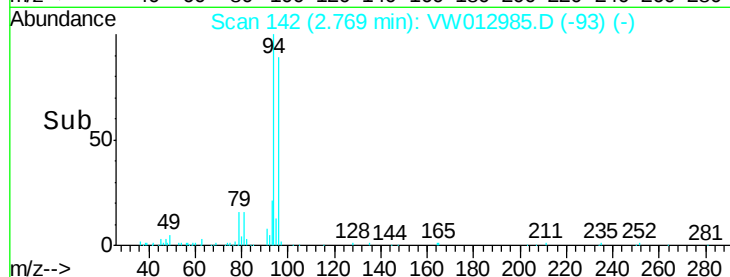
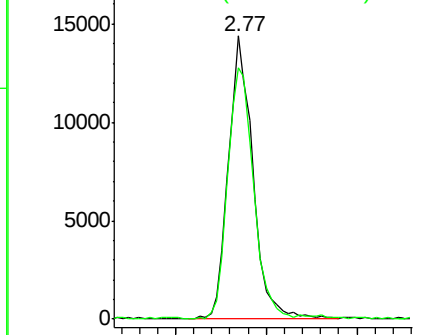
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.574 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012985.D

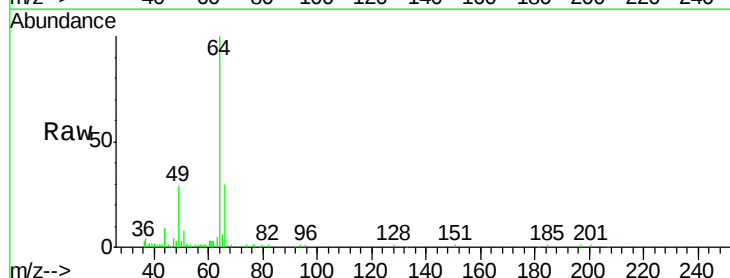
Acq: 14 Sep 2019 11:37

Tgt Ion: 64 Resp: 27126

Ion Ratio Lower Upper

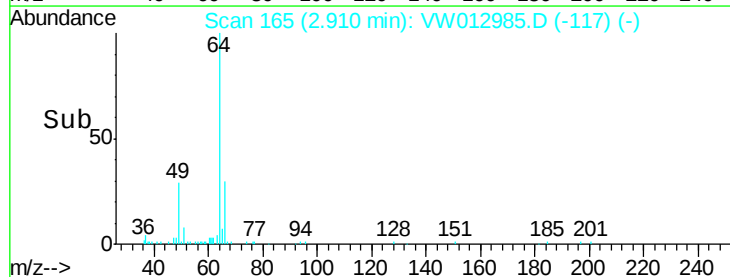
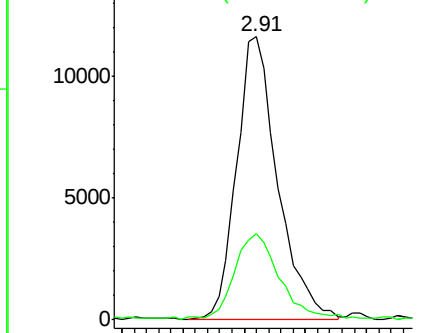
64 100

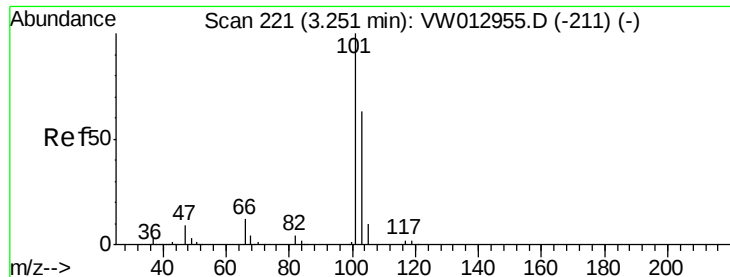
66 29.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

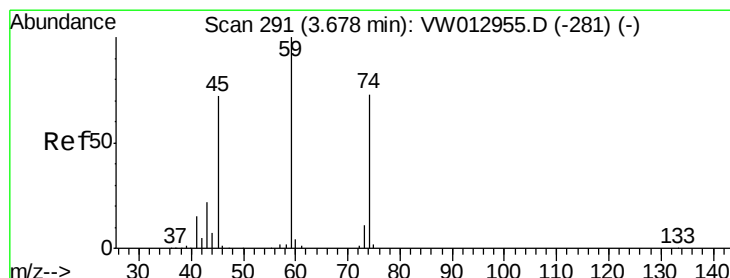
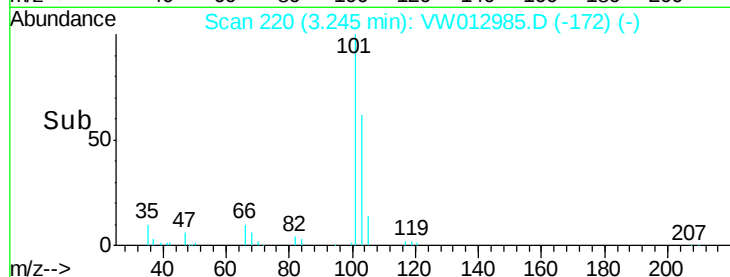
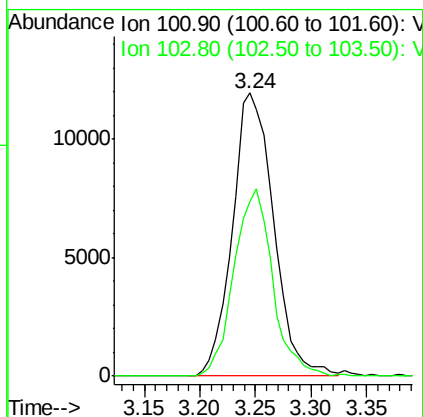
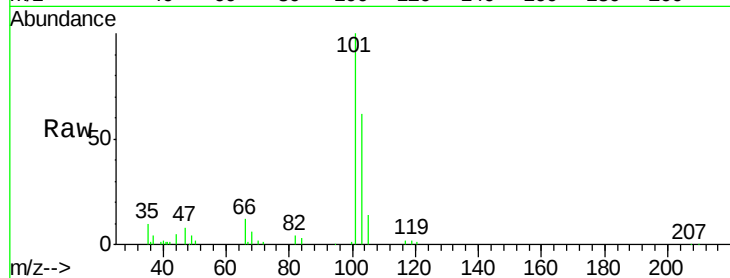
Trichlorofluoromethane
 Concen: 19.459 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		30748		
103	61.8	50.7	76.1		

Manual Integrations
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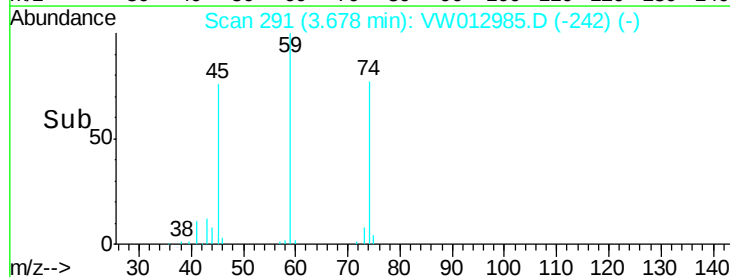
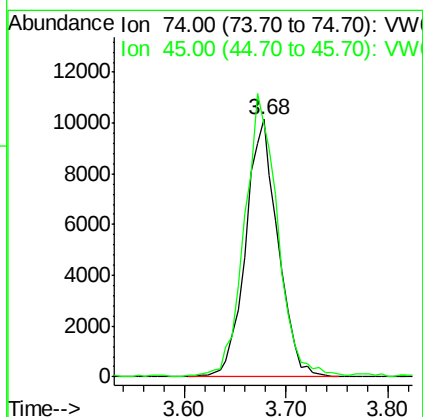
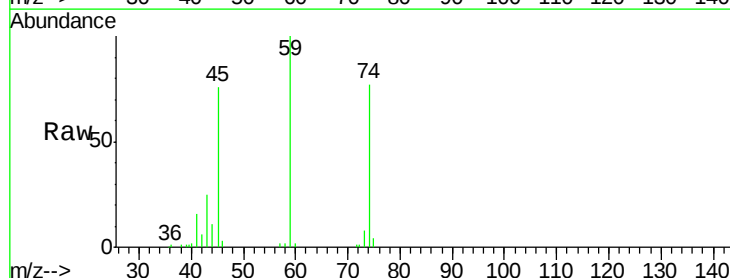
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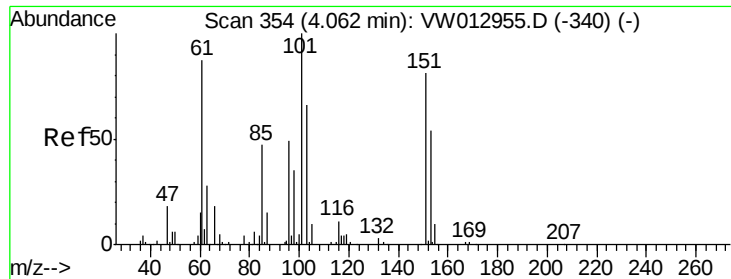


#8

Diethyl Ether
 Concen: 18.016 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22228		
45	113.9	53.8	161.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.504 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

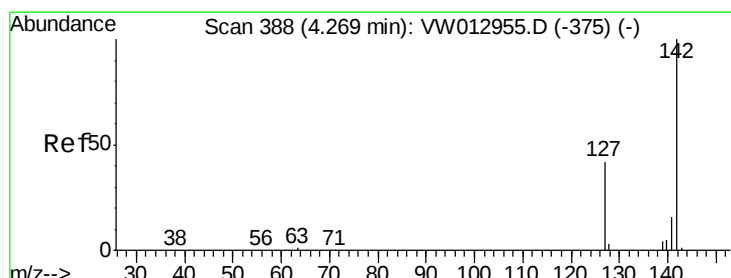
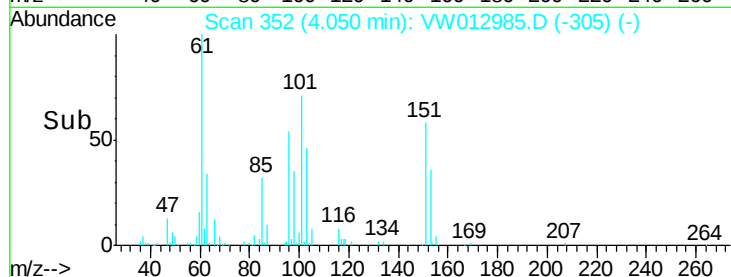
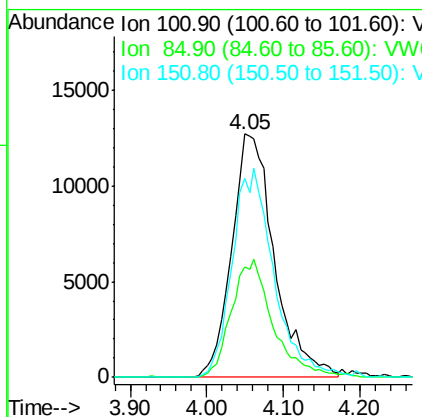
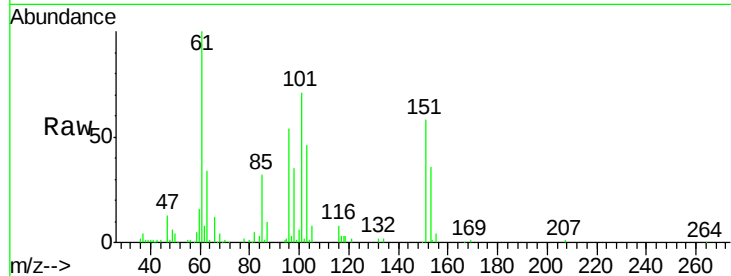
ClientSampleId :

VW0915SBS01

Tot Ion:	101	Resp:	49139
Ion Ratio	Lower	Upper	
101	100		
85	47.2	34.9	52.3
151	83.7	66.0	99.0

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#10

Methyl Iodide

Concen: 20.864 ug/l

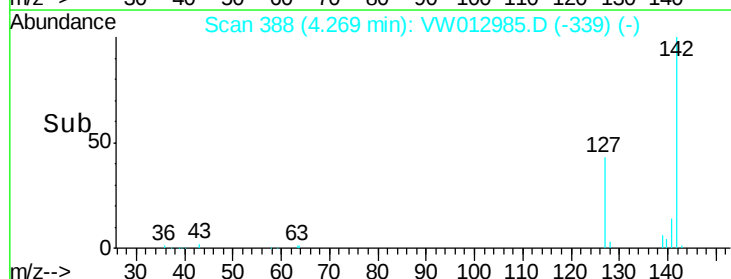
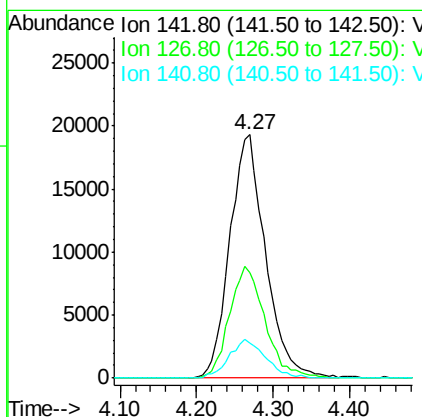
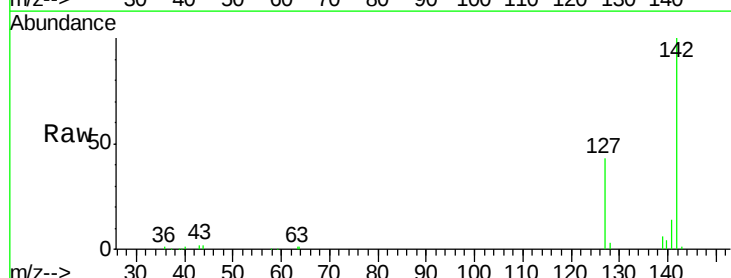
RT: 4.27 min Scan# 388

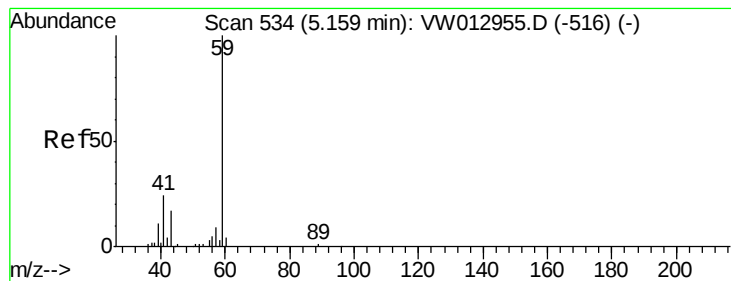
Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Tgt Ion:	142	Resp:	62577
Ion Ratio	Lower	Upper	
142	100		
127	45.6	34.7	52.1
141	15.9	12.2	18.2





#11

Tert butyl alcohol

Concen: 72.021 ug/l m

RT: 5.20 min Scan# 541

Delta R.T. 0.04 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion: 59 Resp: 17176

Ion Ratio Lower Upper

59 100

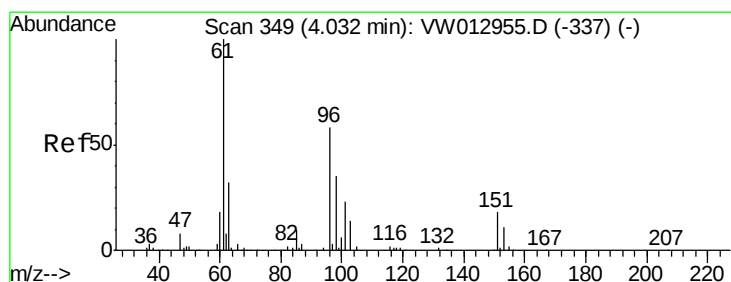
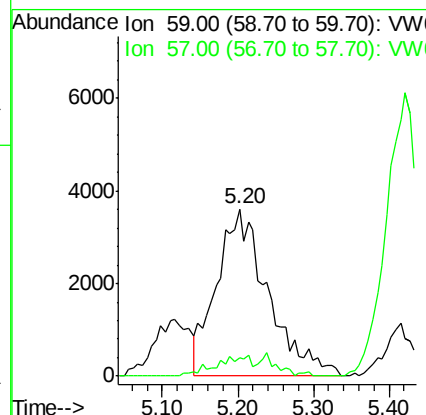
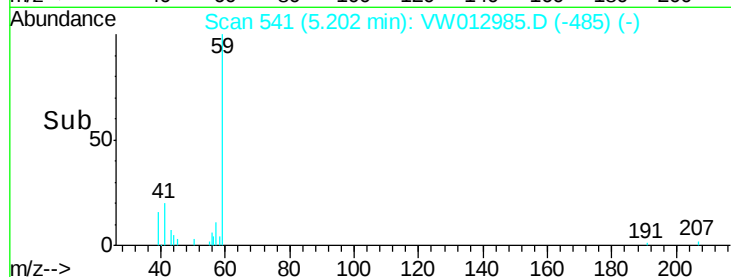
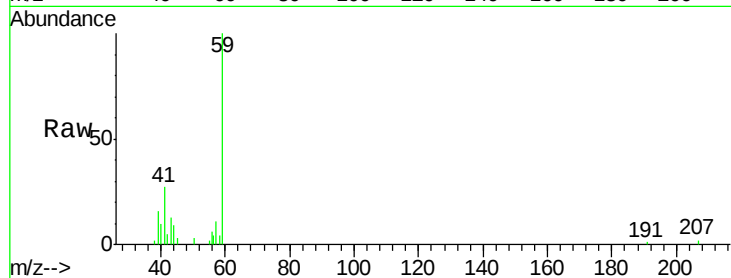
57 3.3 8.5 12.7#

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#12

1,1-Dichloroethene

Concen: 21.289 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

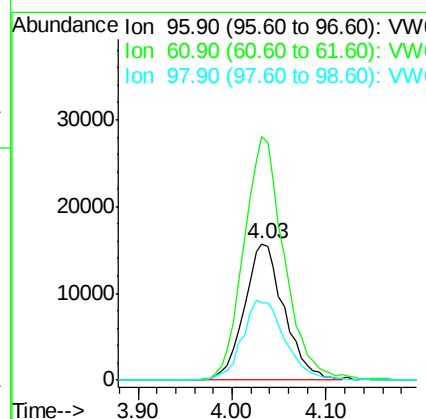
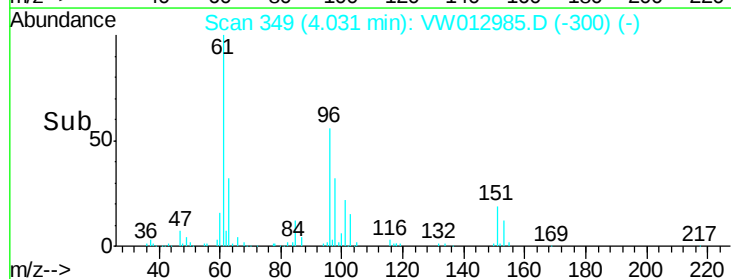
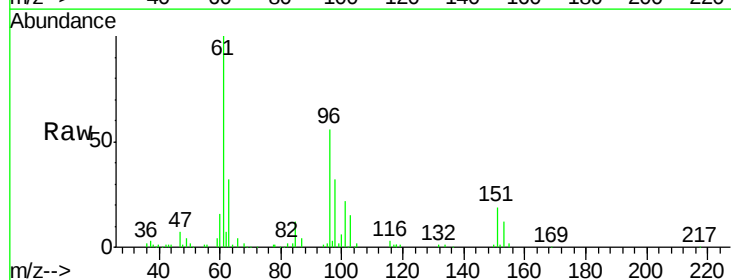
Tgt Ion: 96 Resp: 46390

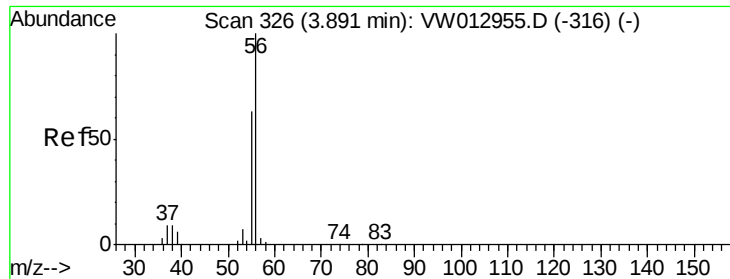
Ion Ratio Lower Upper

96 100

61 178.7 137.9 206.9

98 56.4 48.9 73.3





#13

Acrolein

Concen: 96.369 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion: 56 Resp: 21639

Ion Ratio Lower Upper

56 100

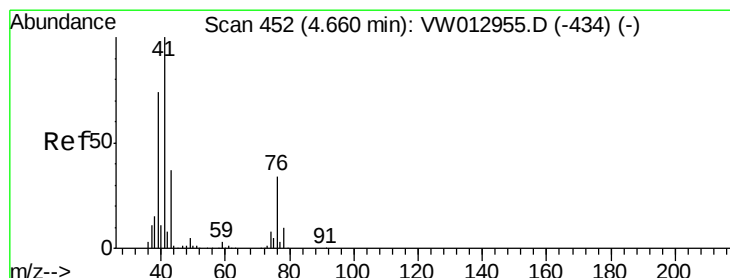
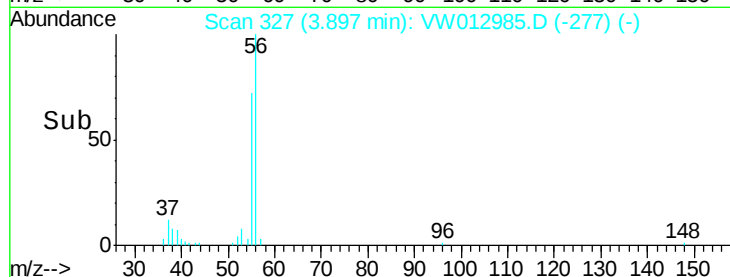
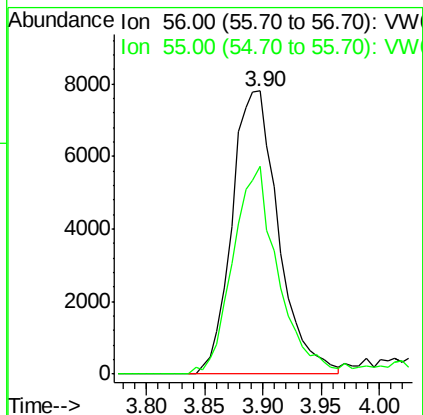
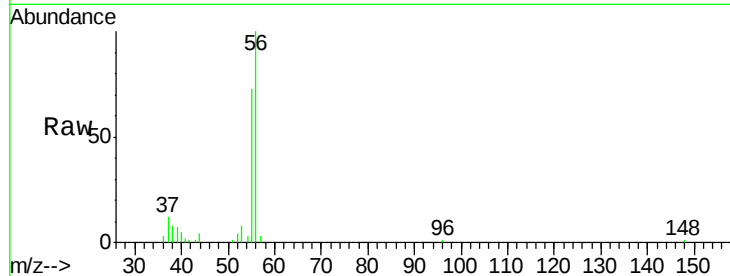
55 70.8 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 21.695 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

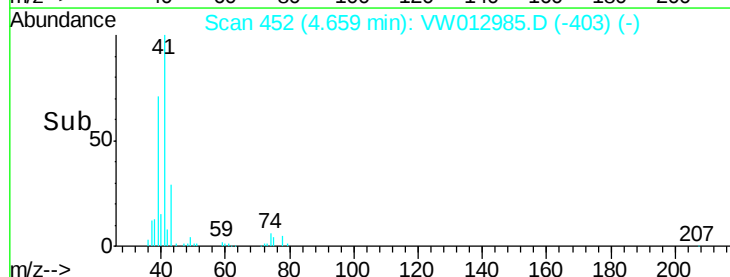
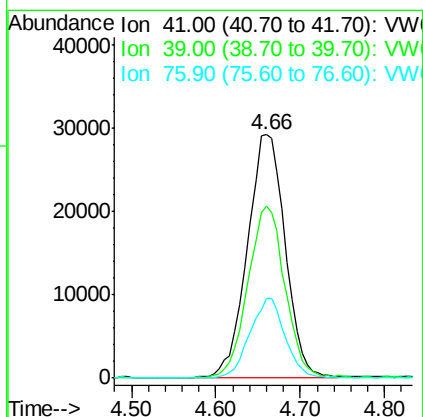
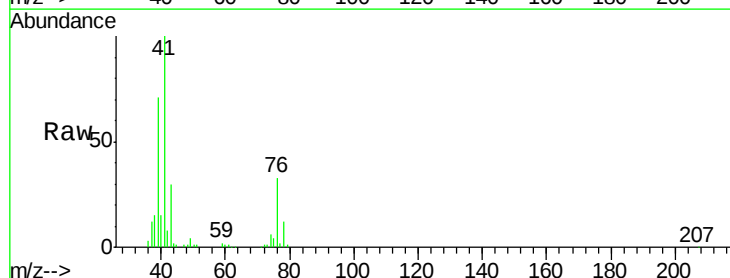
Tgt Ion: 41 Resp: 89749

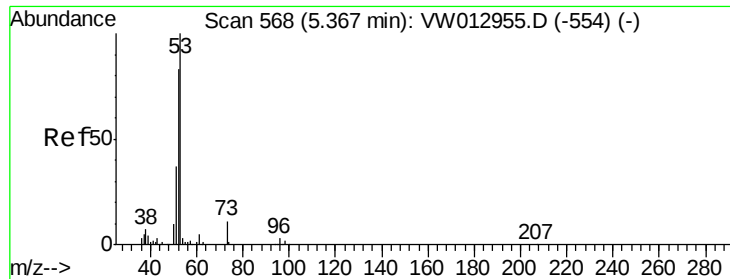
Ion Ratio Lower Upper

41 100

39 69.0 56.7 85.1

76 30.5 25.1 37.7





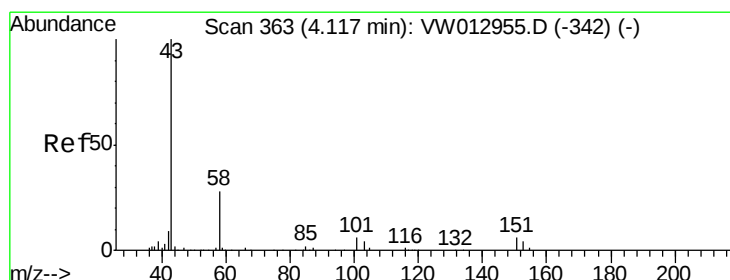
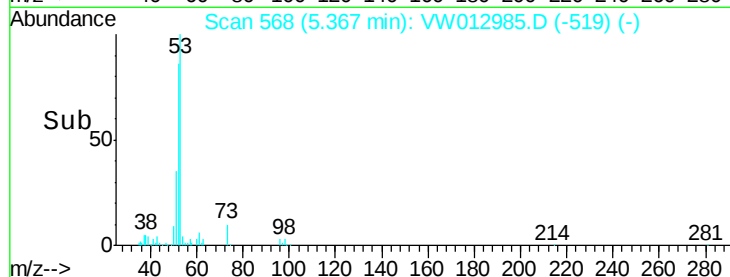
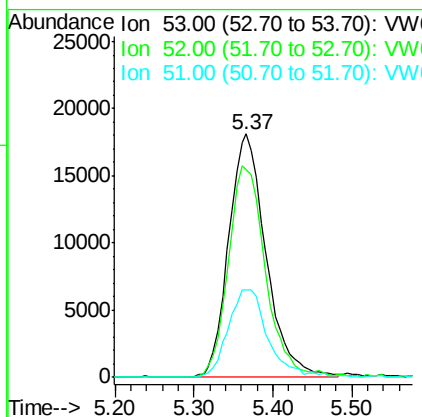
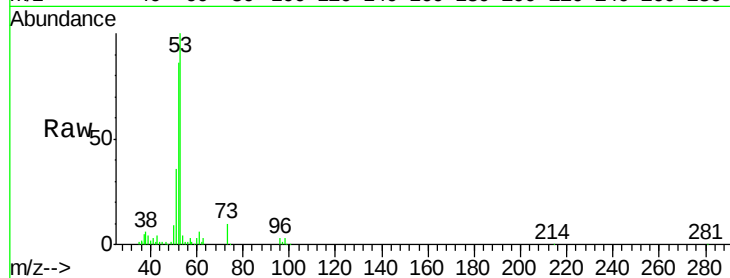
#15
 Acrylonitrile
 Concen: 94.779 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion	53	Resp	59726
Ion Ratio	Lower	Upper	
53	100		
52	86.4	66.6	100.0
51	38.0	29.8	44.8

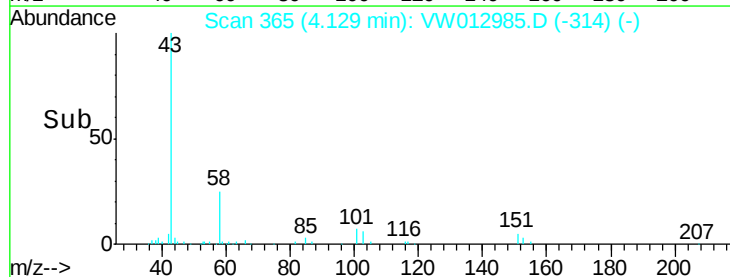
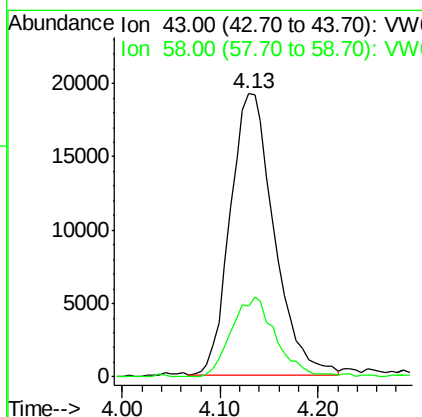
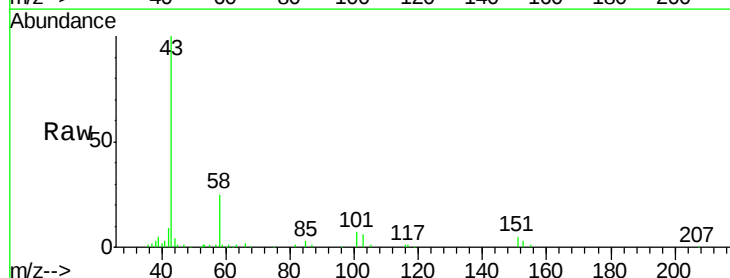
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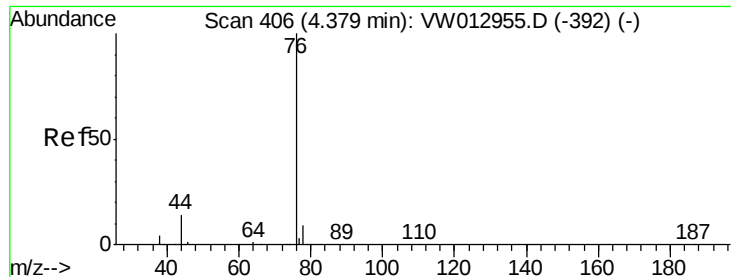
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#16
 Acetone
 Concen: 80.386 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion	43	Resp	59247
Ion Ratio	Lower	Upper	
43	100		
58	25.5	22.3	33.5





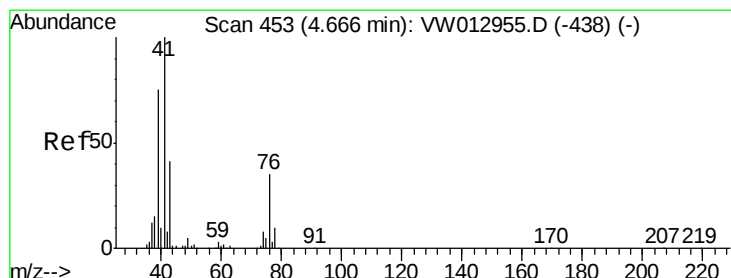
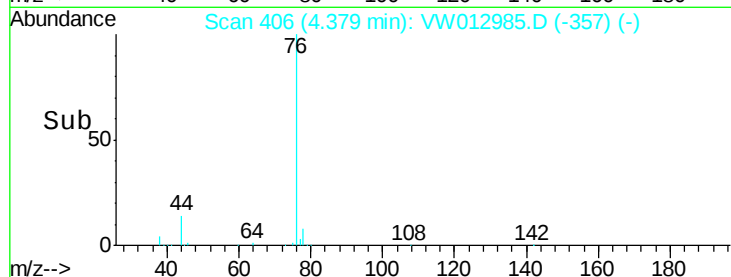
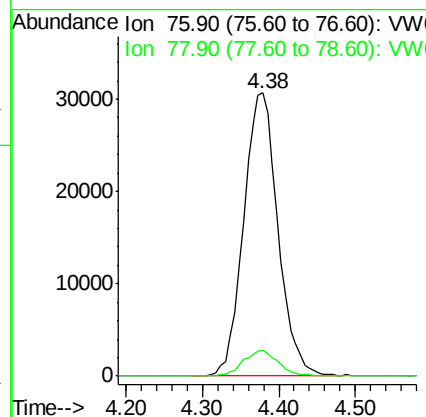
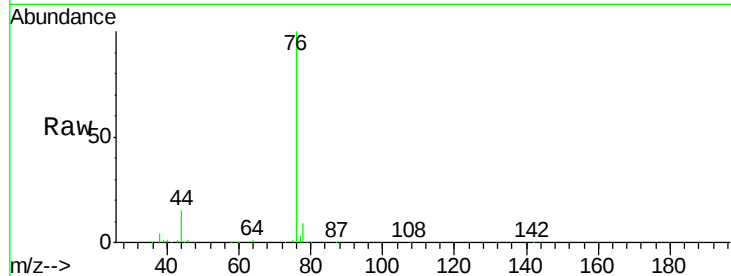
#17
Carbon Disulfide
Concen: 21.949 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

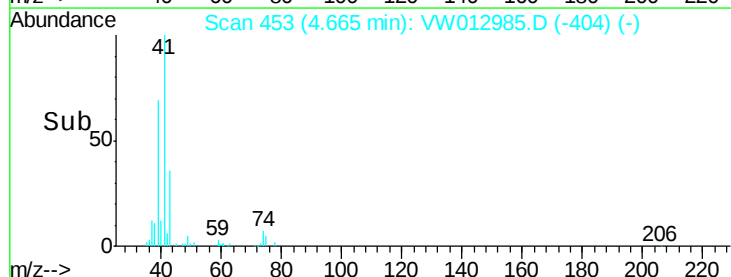
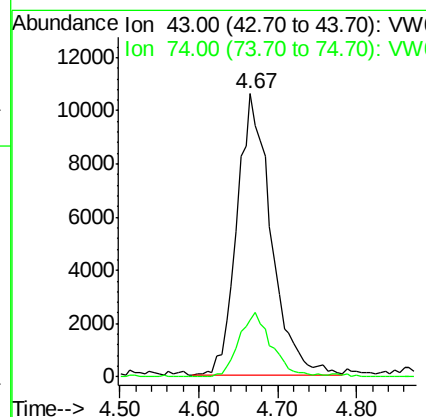
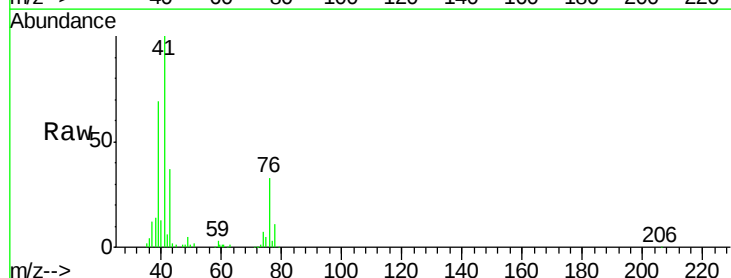
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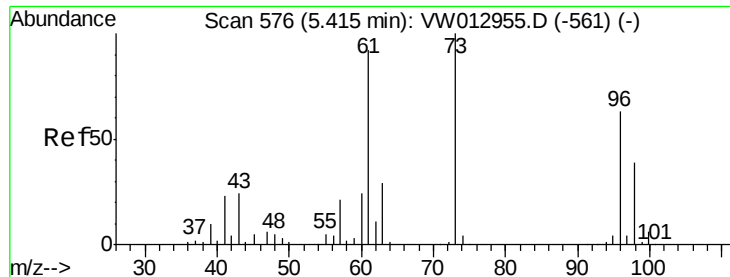
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#18
Methyl Acetate
Concen: 19.077 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.8	26.8





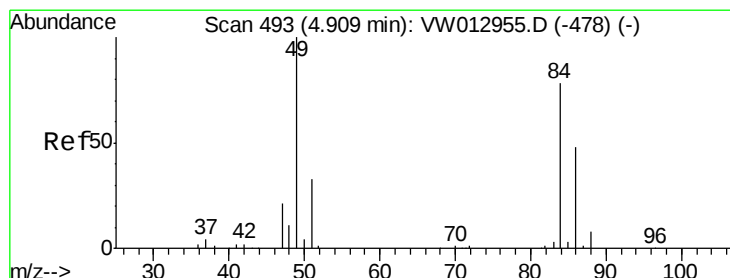
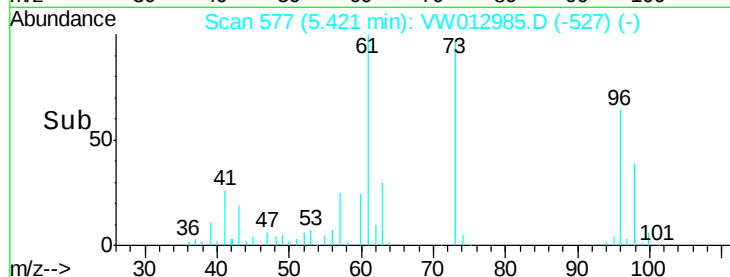
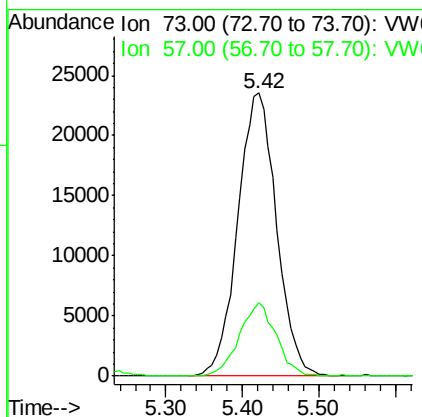
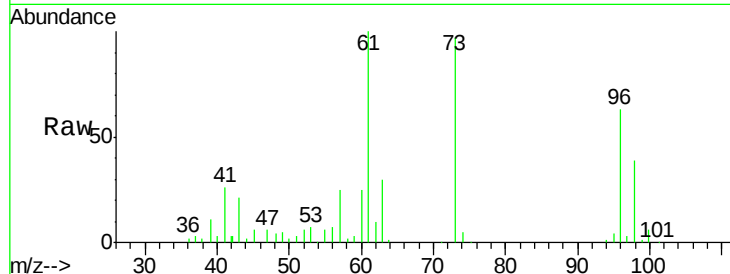
#19
Methyl tert-butyl Ether
Concen: 19.234 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion: 73 Resp: 82732
Ion Ratio Lower Upper
73 100
57 26.0 16.4 24.6#

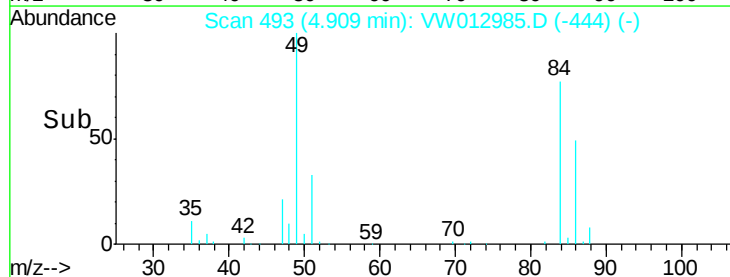
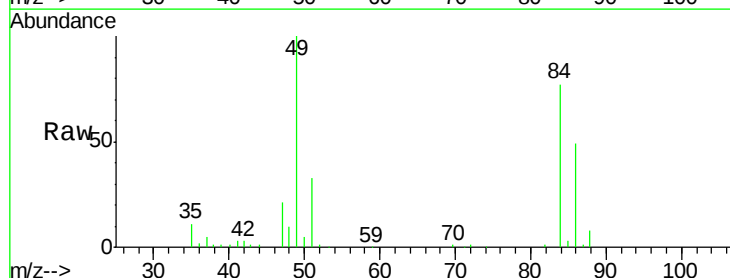
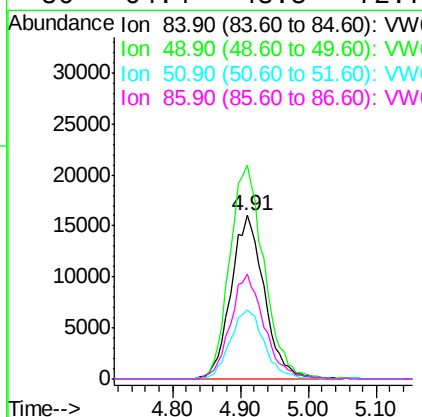
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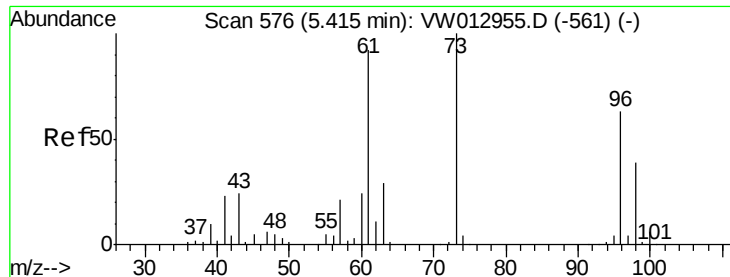
MMDadoda
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#20
Methylene Chloride
Concen: 20.138 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion: 84 Resp: 54730
Ion Ratio Lower Upper
84 100
49 130.4 102.0 153.0
51 42.6 34.0 51.0
86 64.4 48.5 72.7





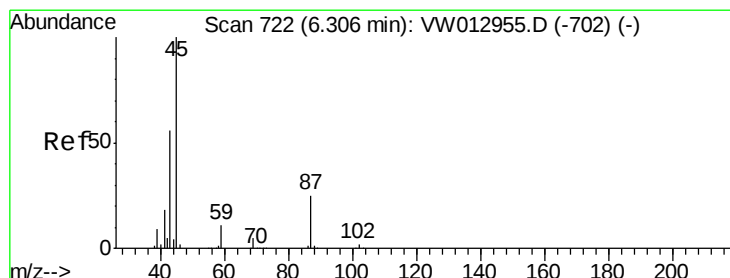
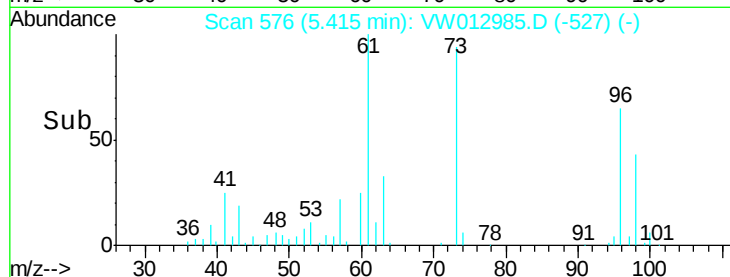
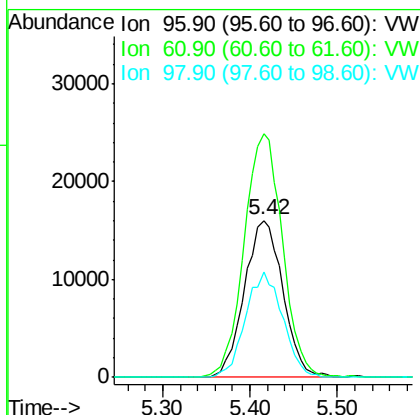
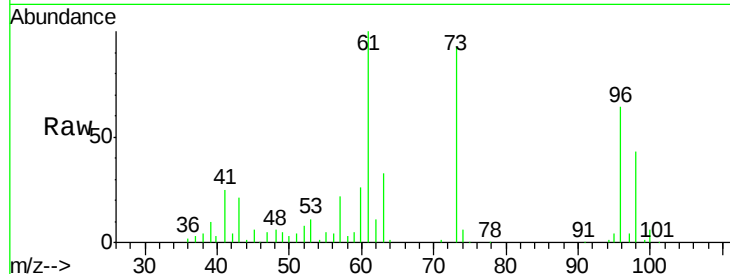
#21
trans-1,2-Dichloroethene
Concen: 21.047 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.2	116.2	174.2
98	67.0	49.8	74.6

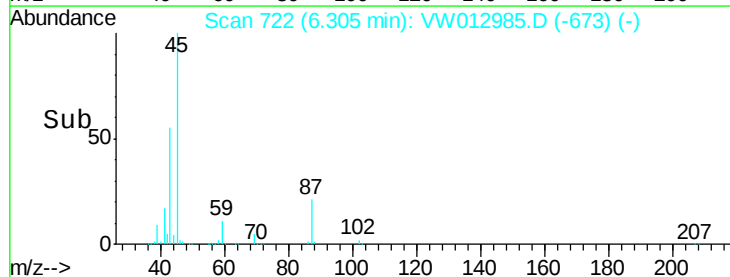
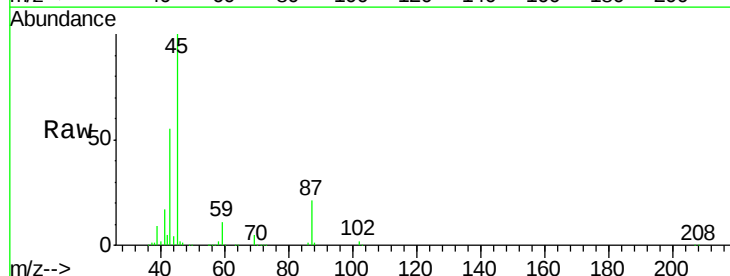
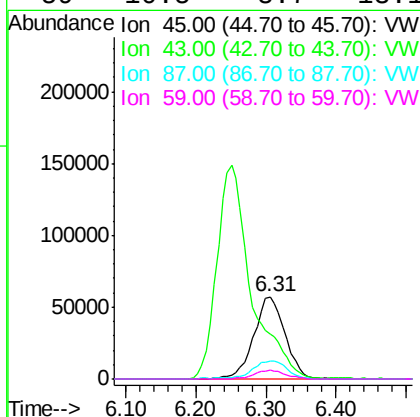
Manual Integrations
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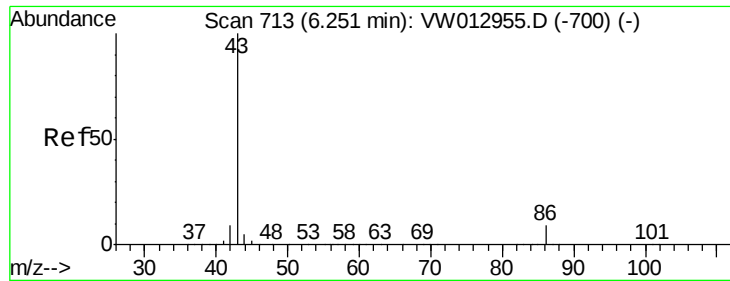
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#22
Diisopropyl ether
Concen: 20.626 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.1	44.6	67.0
87	21.3	20.0	30.0
59	10.5	8.7	13.1





#23

Vinyl Acetate

Concen: 98.077 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion: 43 Resp: 504825

Ion Ratio Lower Upper

43 100

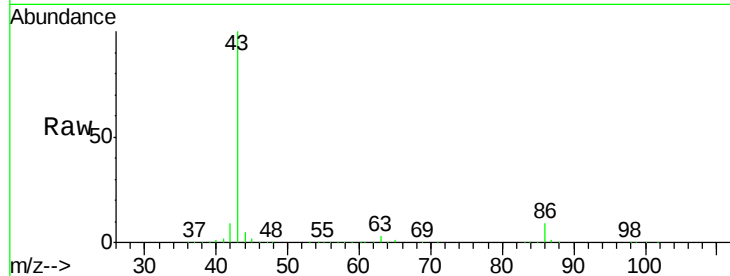
86 9.4 7.0 10.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

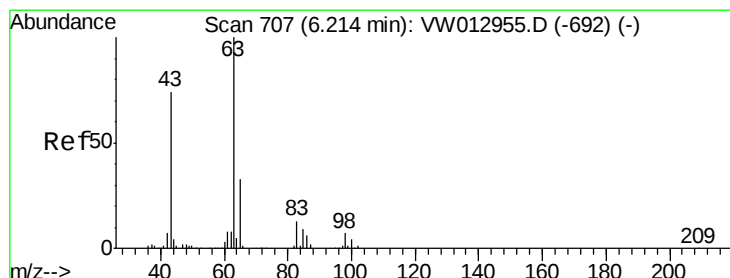
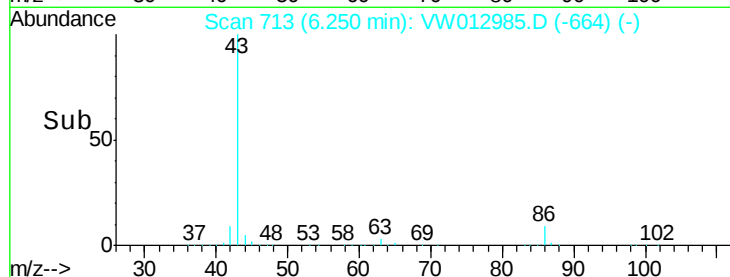
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.216 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

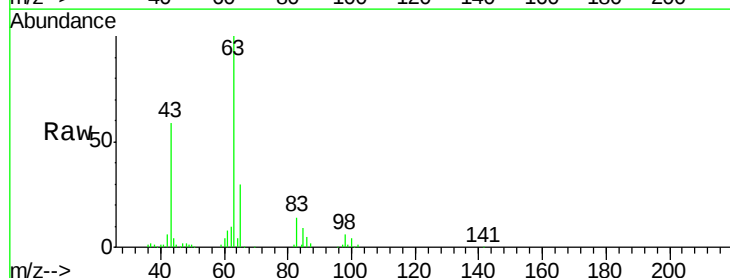
Tgt Ion: 63 Resp: 100170

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

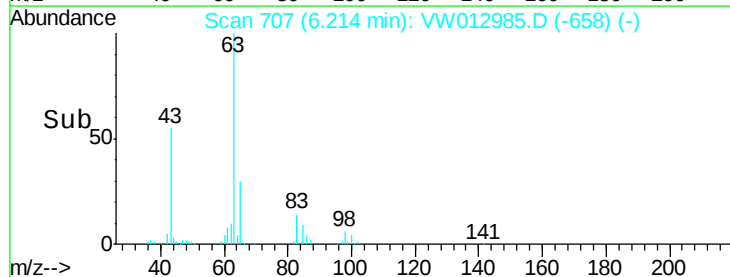
30000

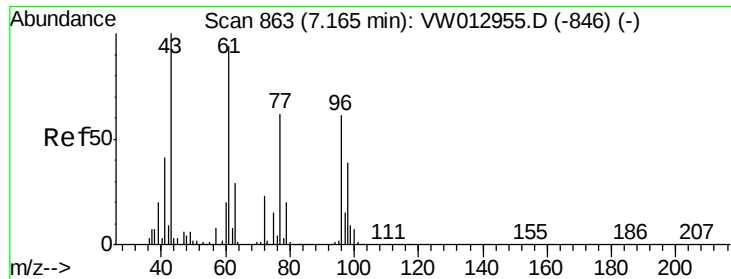
20000

10000

0

Time-->





#25

2-Butanone

Concen: 94.313 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion: 43 Resp: 87437

Ion Ratio Lower Upper

43 100

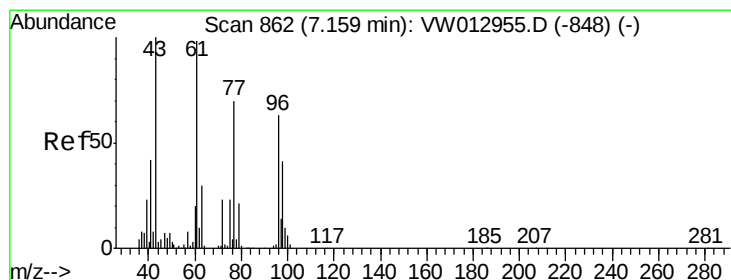
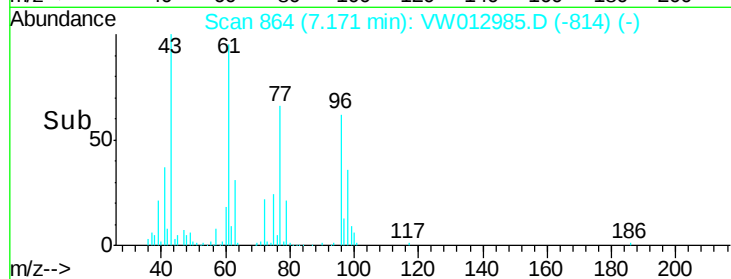
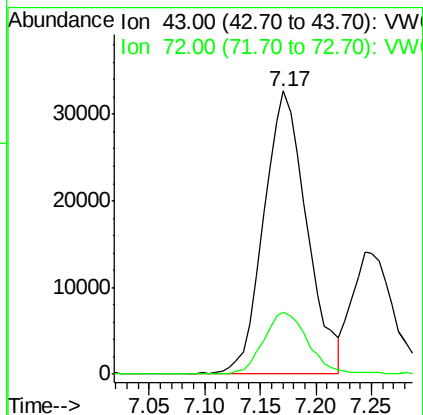
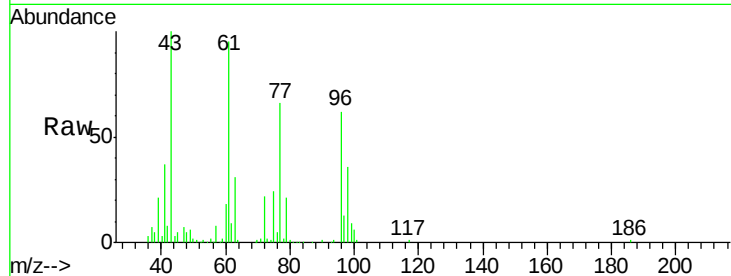
72 22.0 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.653 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW012985.D

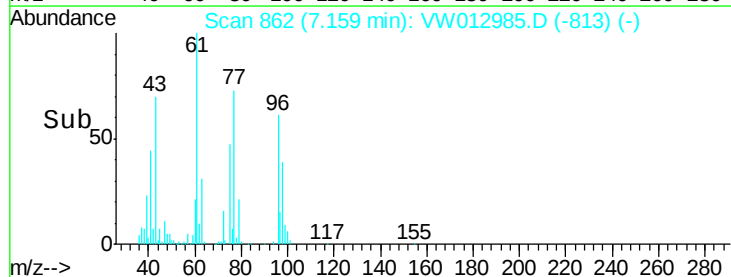
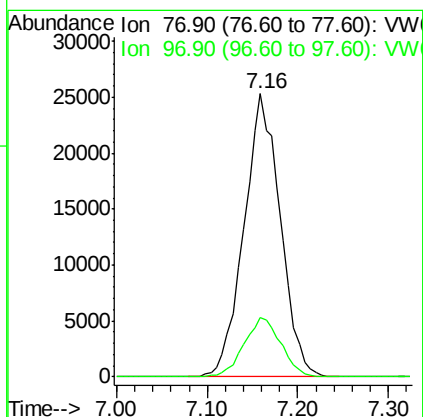
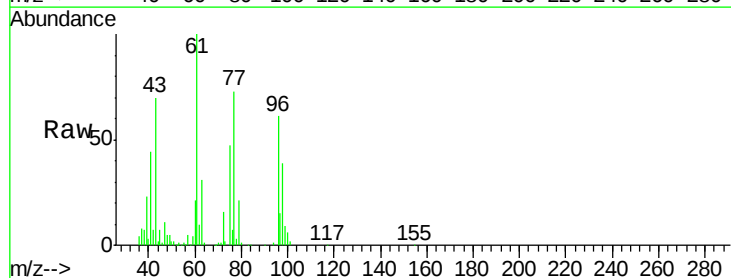
Acq: 14 Sep 2019 11:37

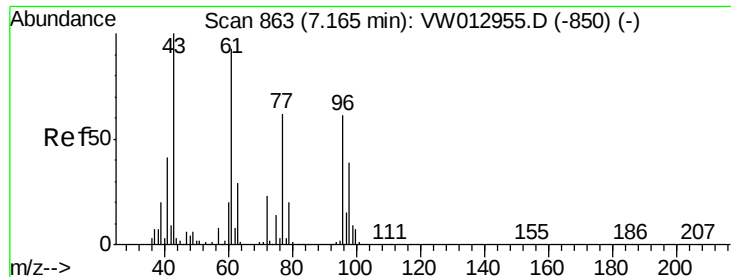
Tgt Ion: 77 Resp: 70077

Ion Ratio Lower Upper

77 100

97 21.3 10.7 32.1





#27

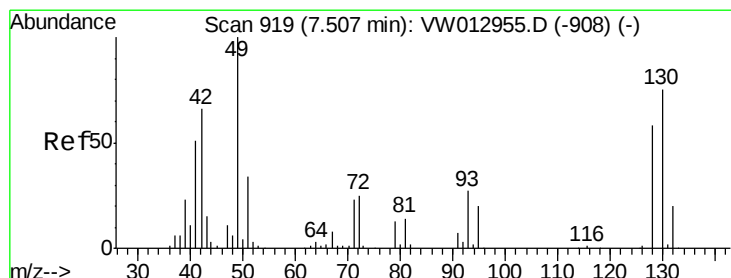
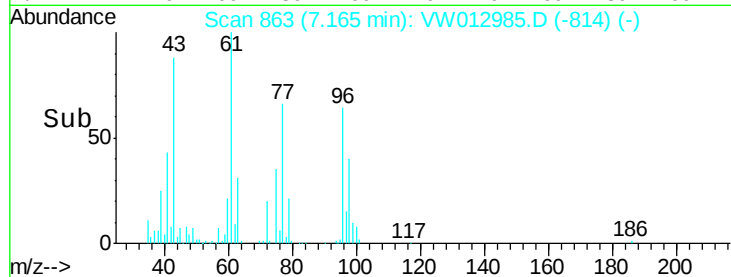
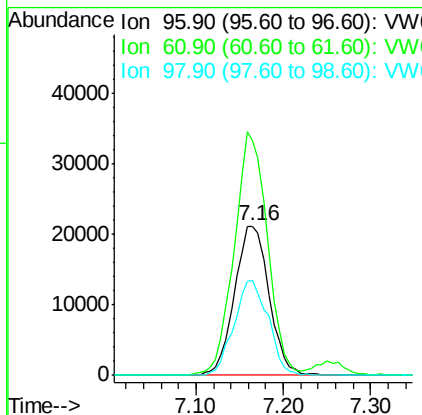
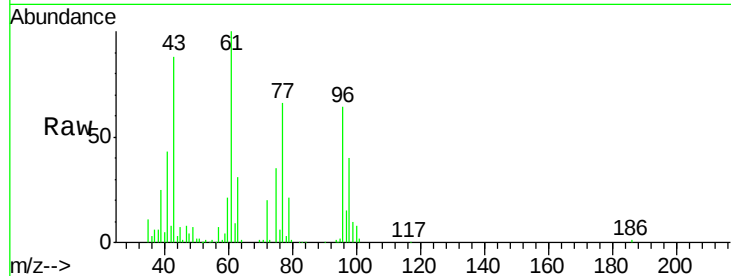
cis-1,2-Dichloroethene
Concen: 20.826 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	315.4
98	63.2	0.0	131.0

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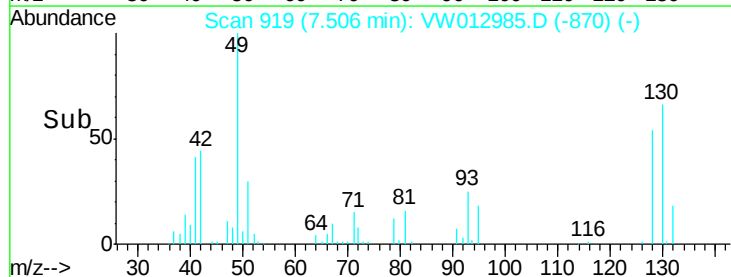
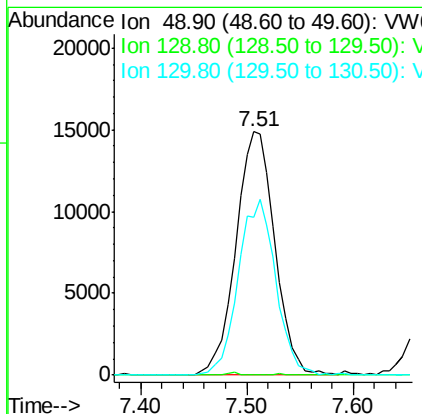
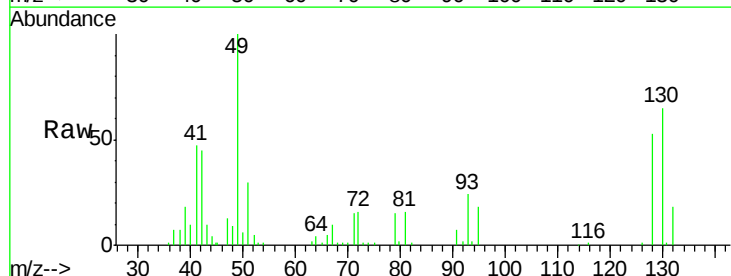
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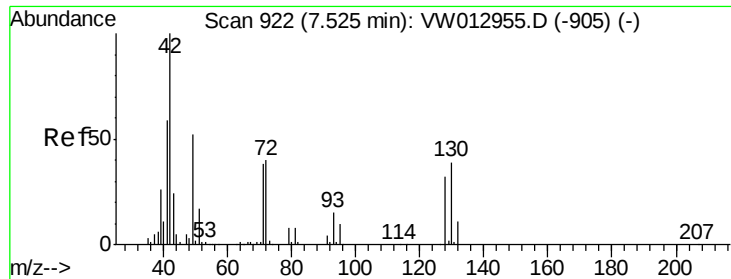


#28

Bromochloromethane
Concen: 18.222 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.4
130	69.7	57.8	86.6





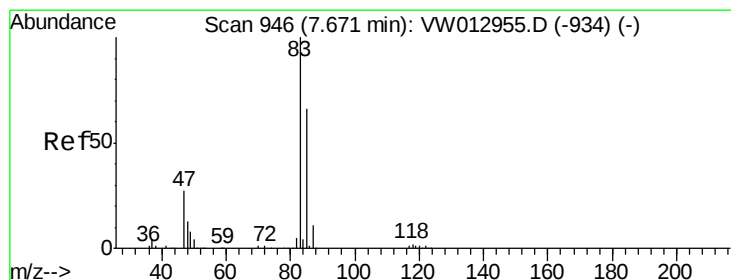
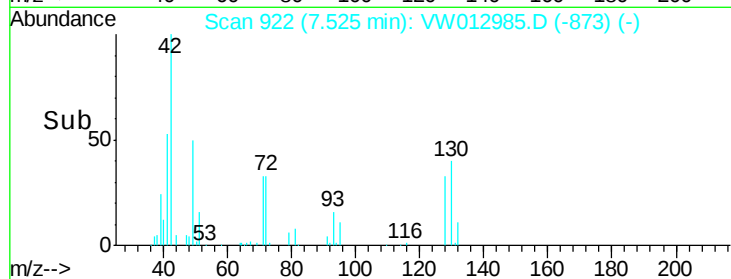
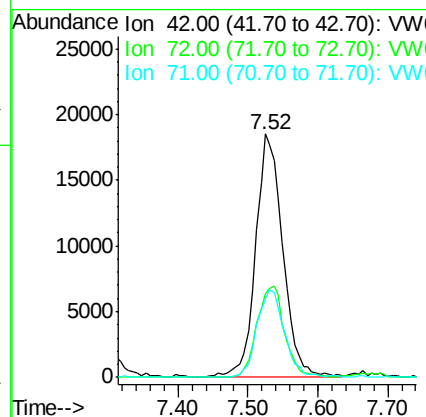
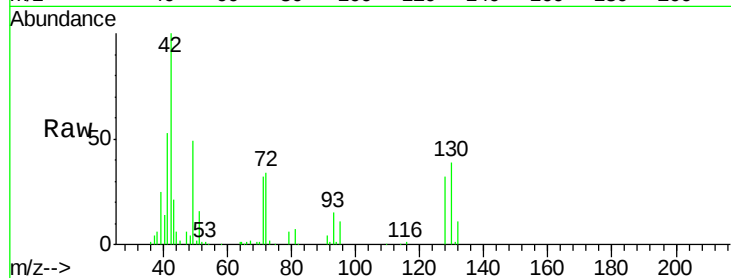
#29
Tetrahydrofuran
Concen: 94.906 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	31.4	47.0
71	36.0	29.8	44.8

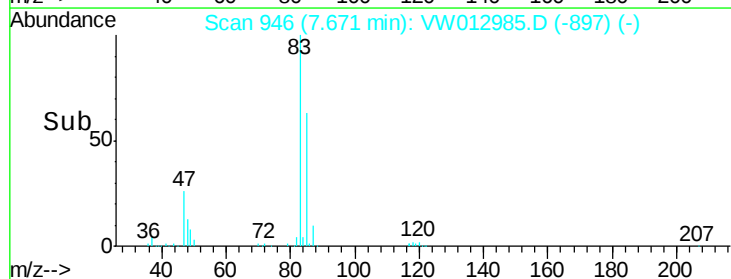
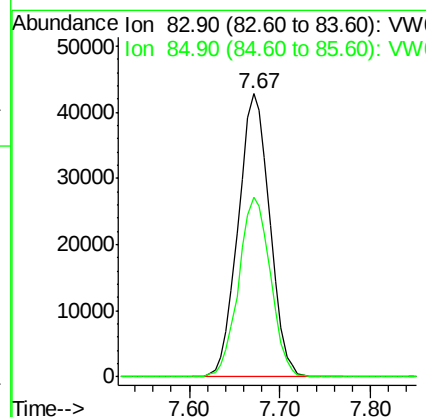
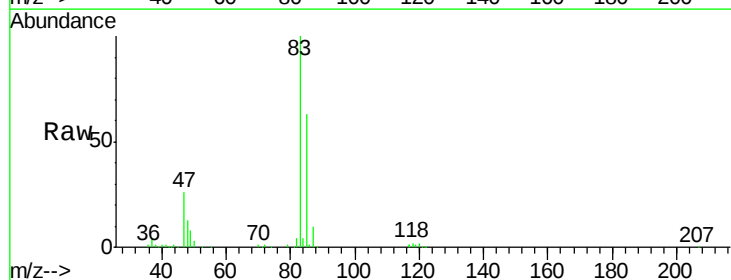
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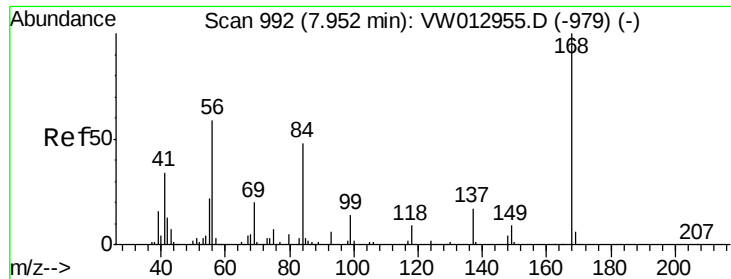
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#30
Chloroform
Concen: 20.506 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.8	79.2





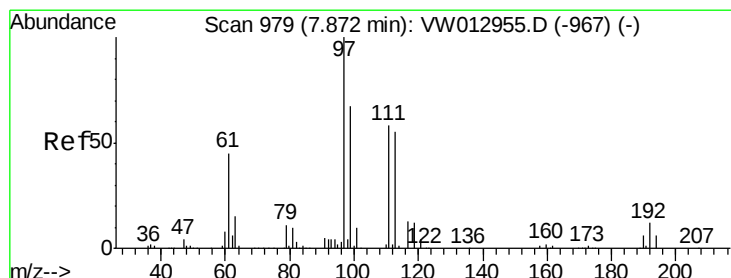
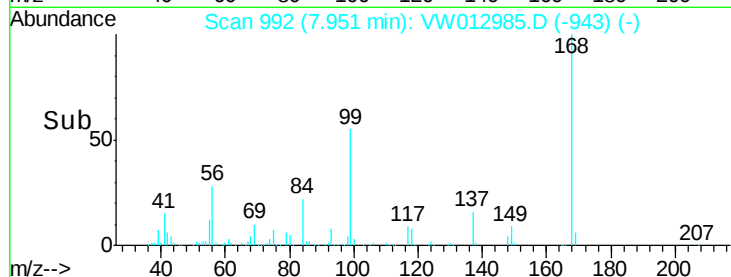
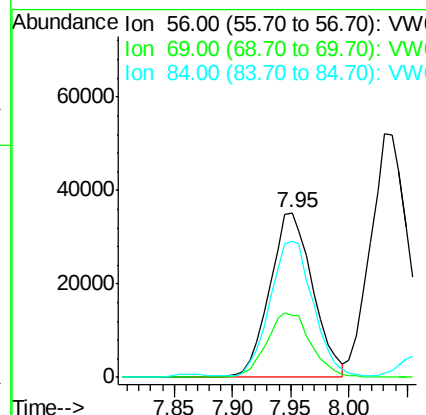
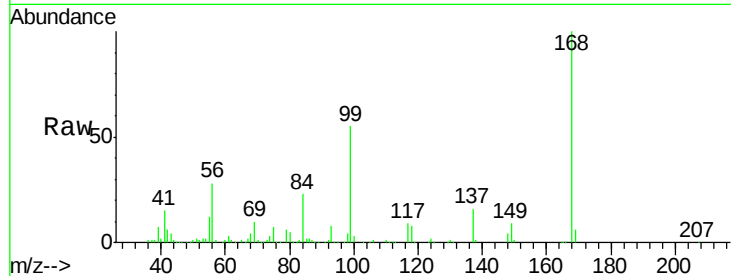
#31
Cyclohexane
Concen: 21.913 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	27.0	40.6
84	80.8	66.2	99.2

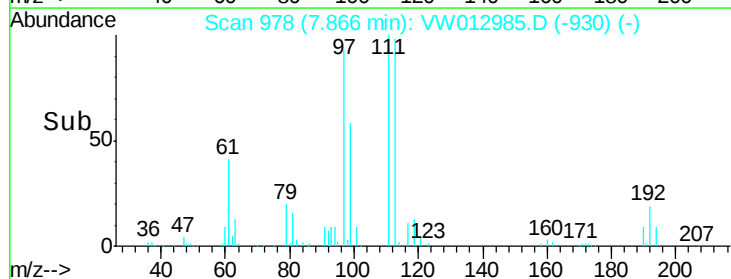
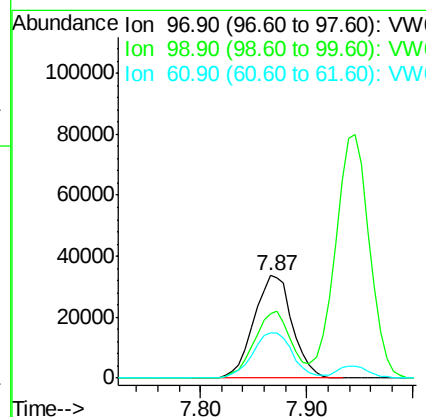
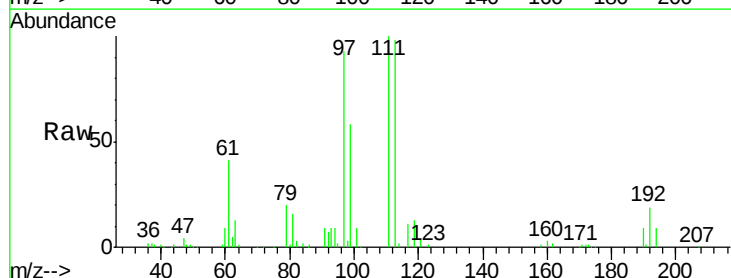
Manual Integrations
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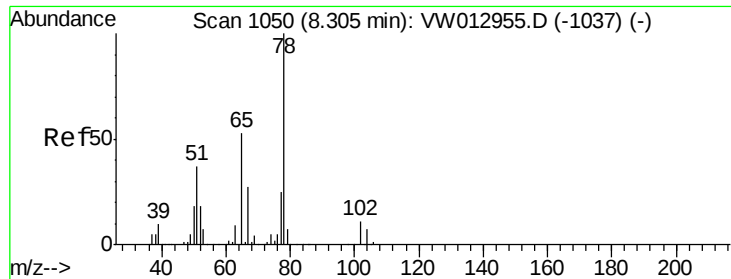
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#32
1,1,1-Trichloroethane
Concen: 20.468 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	53.0	79.4
61	46.2	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 52.071 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion: 65 Resp: 151817

Ion Ratio Lower Upper

65 100

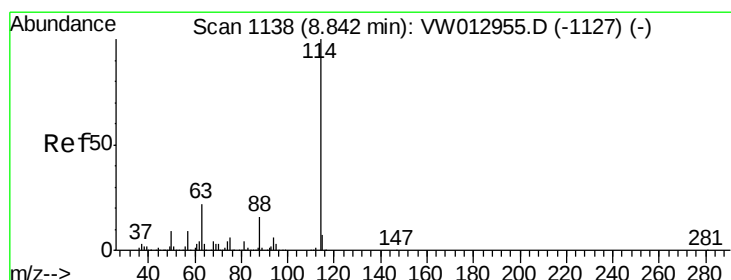
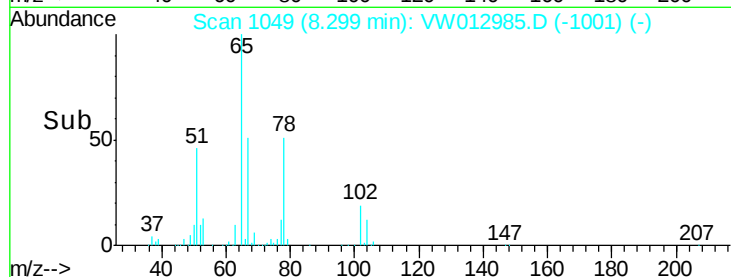
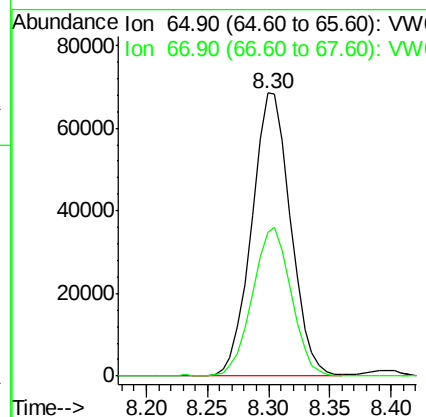
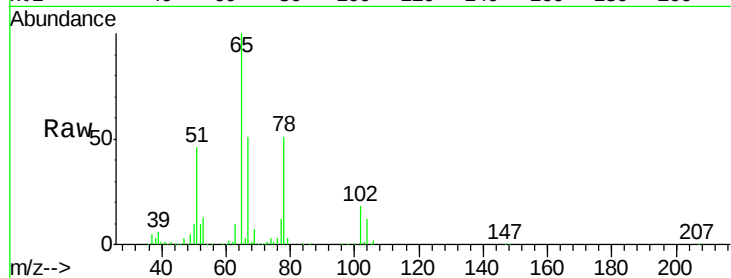
67 52.3 0.0 101.2

Manual Integrations

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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: VW012985.D

Acq: 14 Sep 2019 11:37

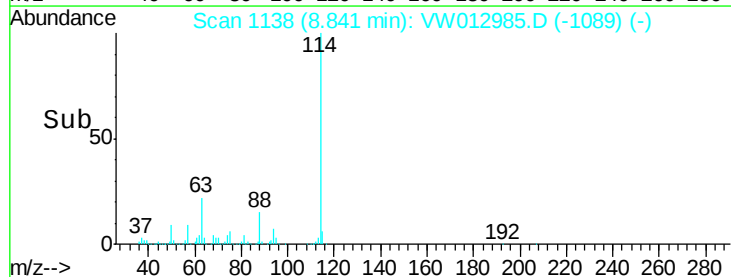
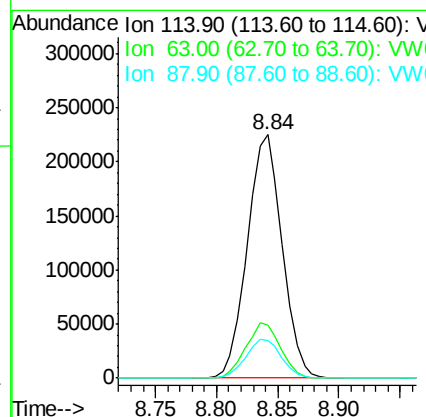
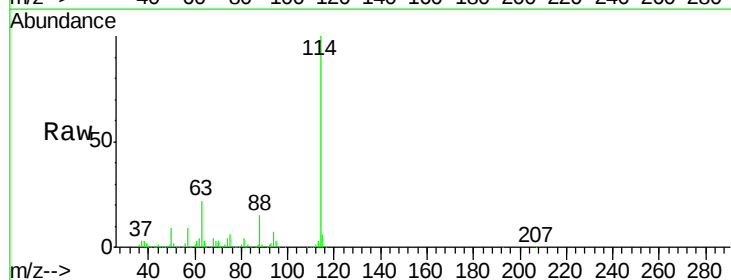
Tgt Ion: 114 Resp: 445709

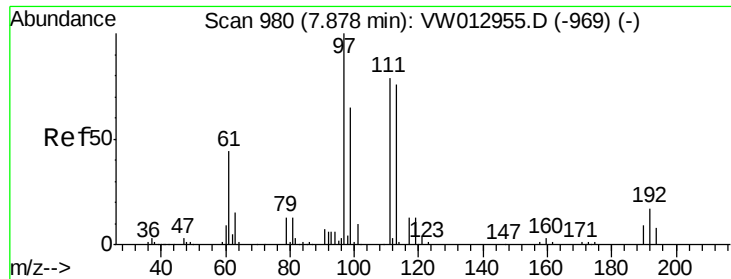
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

88 15.3 0.0 31.6





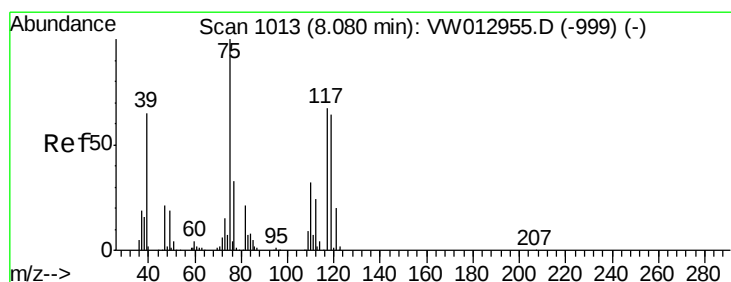
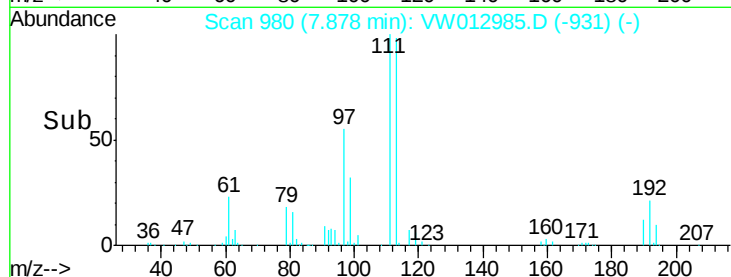
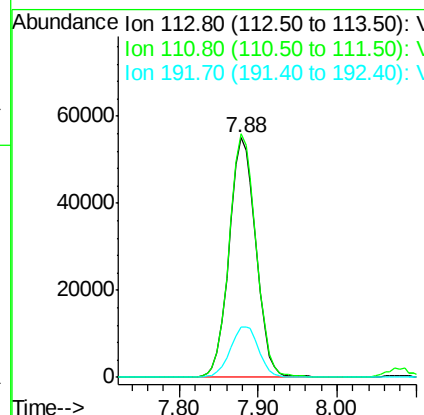
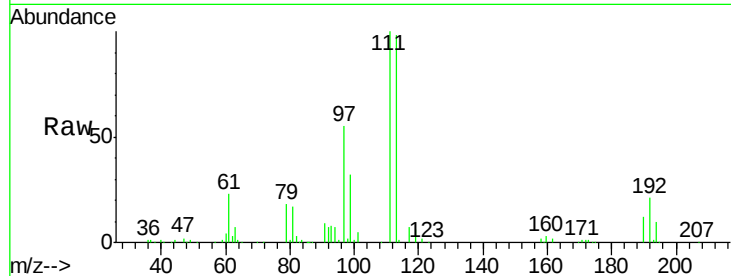
#35
 Dibromofluoromethane
 Concen: 53.686 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129838		
111	101.9	82.8	124.2	
192	22.6	17.8	26.8	

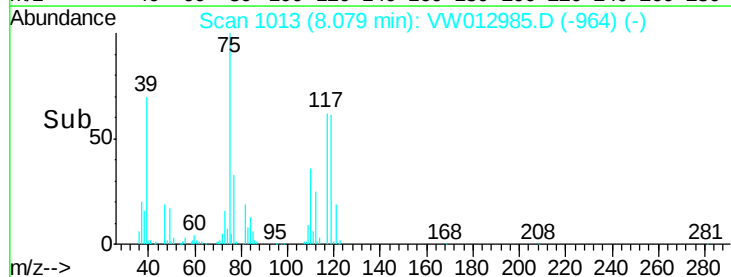
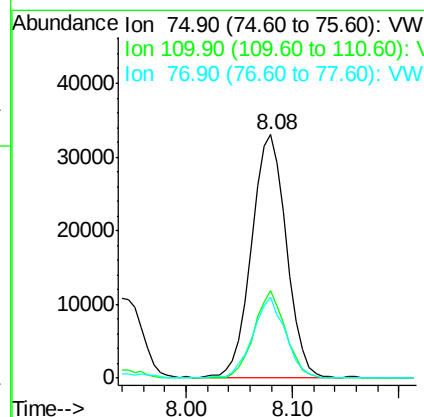
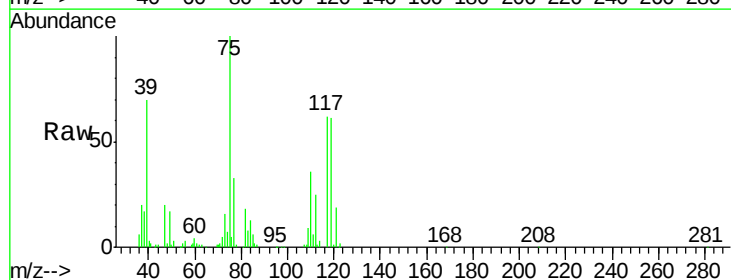
Manual Integrations
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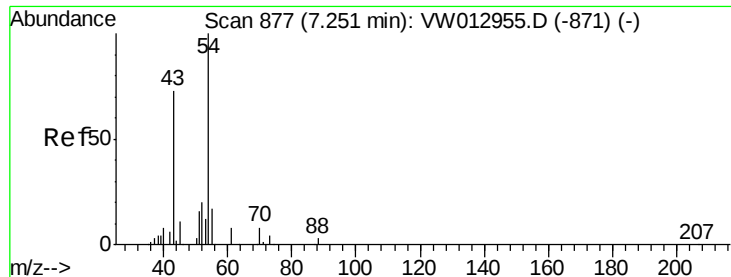
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#36
 1,1-Dichloropropene
 Concen: 21.294 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75842		
110	32.5	16.4	49.1	
77	31.5	25.1	37.7	





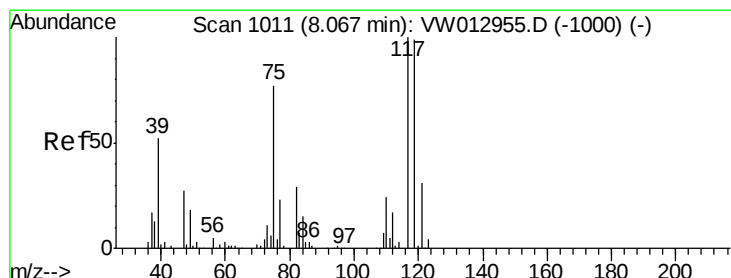
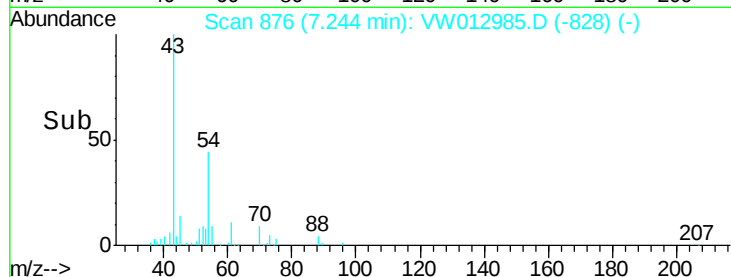
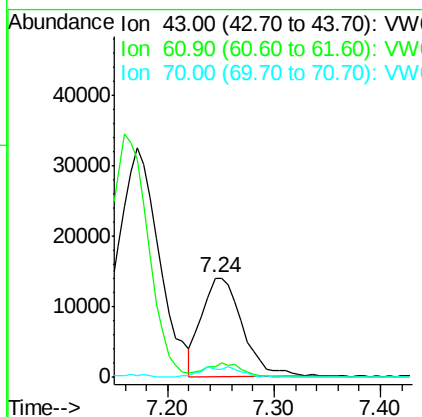
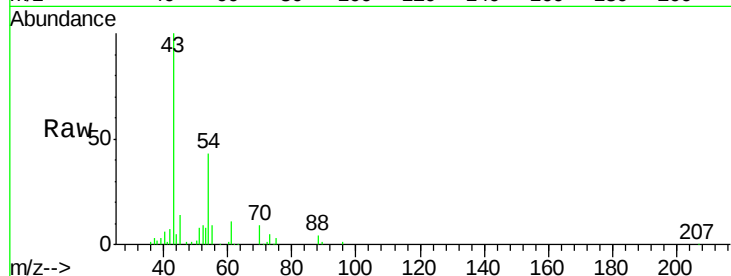
#37
Ethyl Acetate
Concen: 19.294 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.6	14.4
70	10.7	7.6	11.4

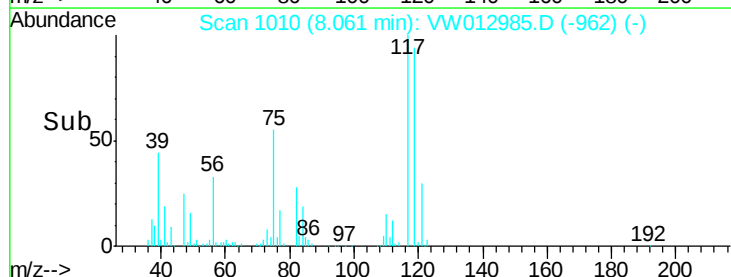
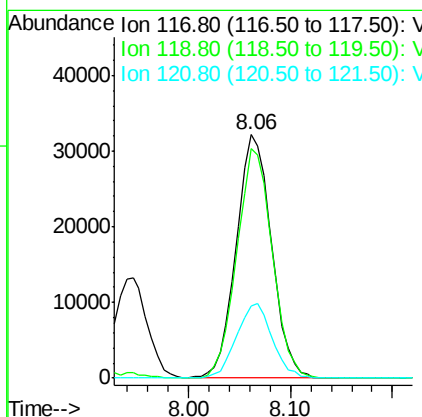
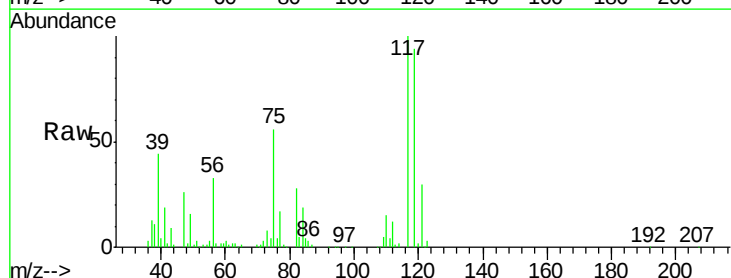
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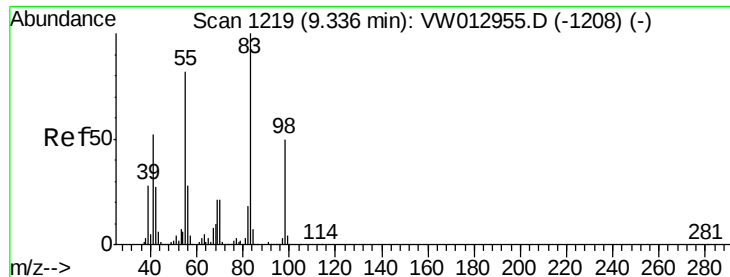
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#38
Carbon Tetrachloride
Concen: 21.184 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	79.4	119.0
121	29.5	24.6	36.8





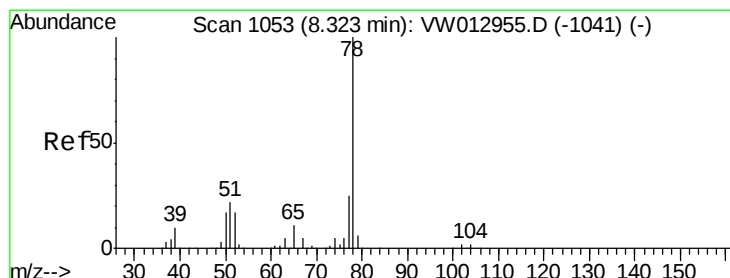
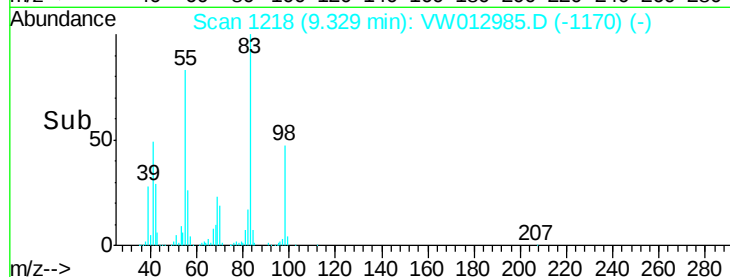
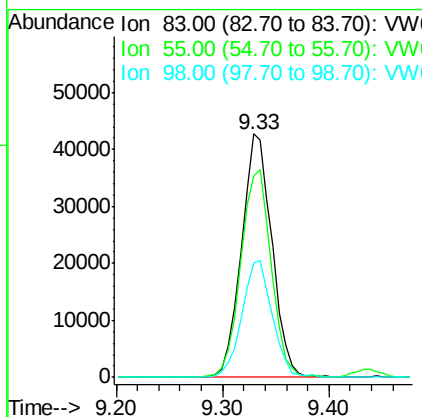
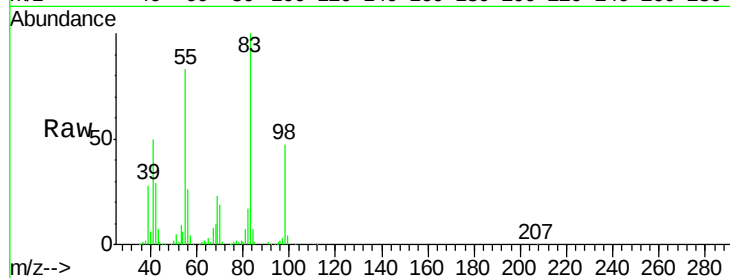
#39
Methylcyclohexane
Concen: 21.959 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.0	65.9	98.9
98	47.1	39.6	59.4

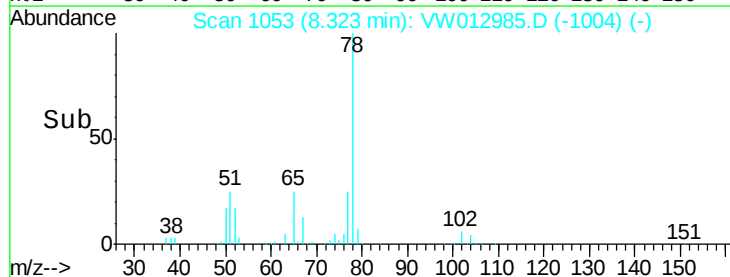
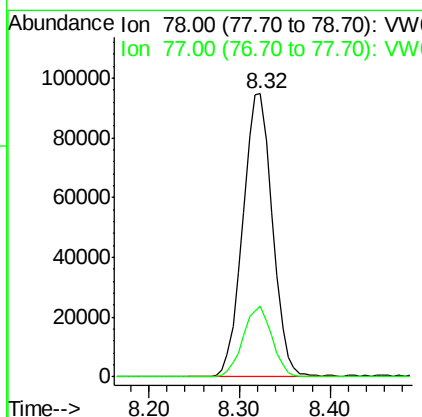
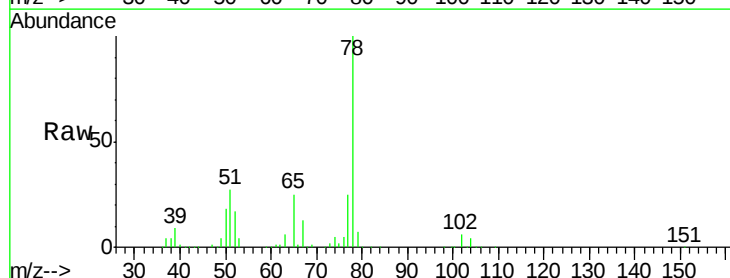
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#40
Benzene
Concen: 21.563 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.6	29.4





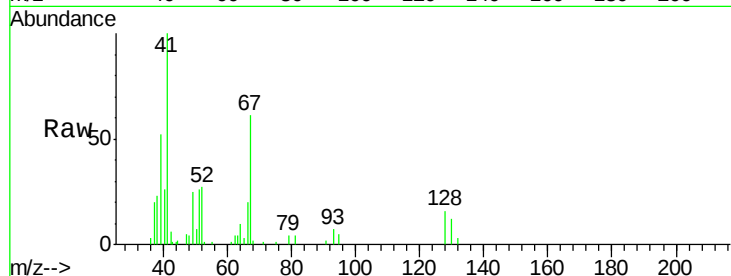
#41
Methacrylonitrile
Concen: 16.872 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

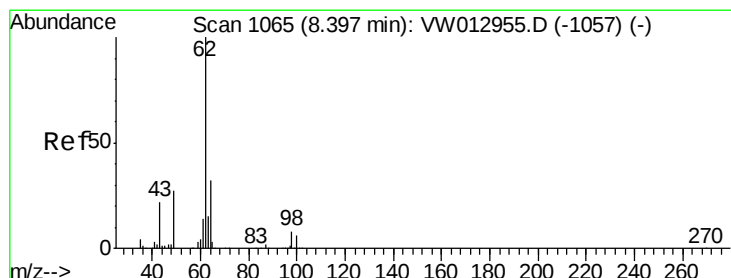
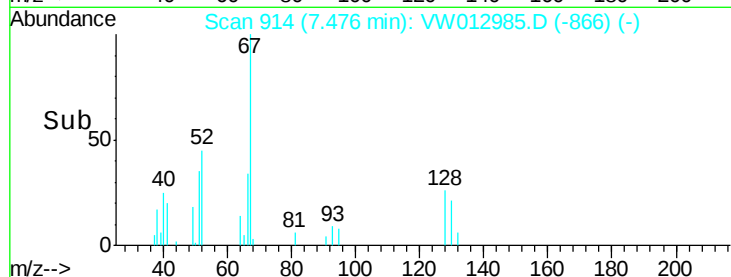
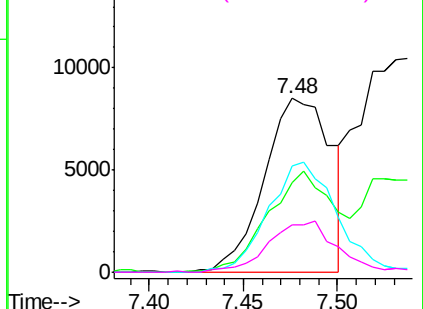
Tot Ion	41	Resp	21005
Ion	Ratio	Lower	Upper
41	100		
39	58.4	48.2	72.4
67	64.5	47.5	71.3
52	29.8	21.0	31.4

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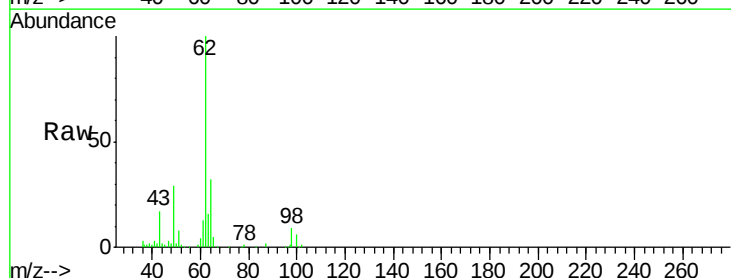


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

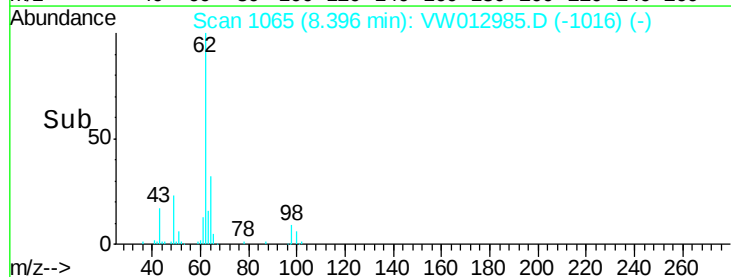
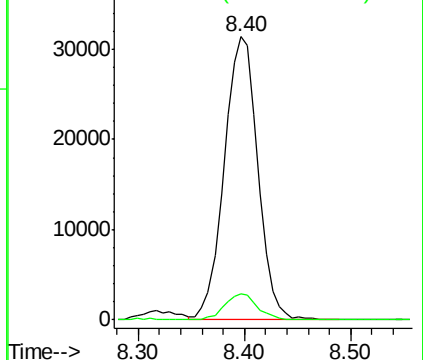


#42
1,2-Dichloroethane
Concen: 20.791 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	62	Resp	69298
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 19.380 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

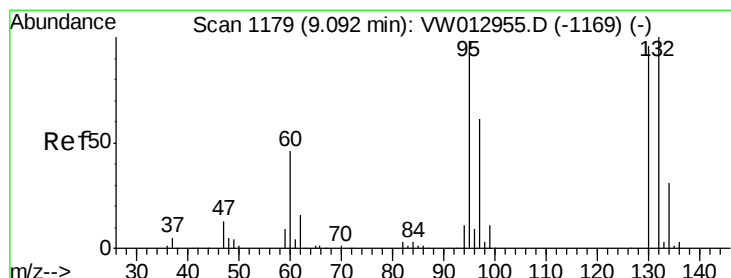
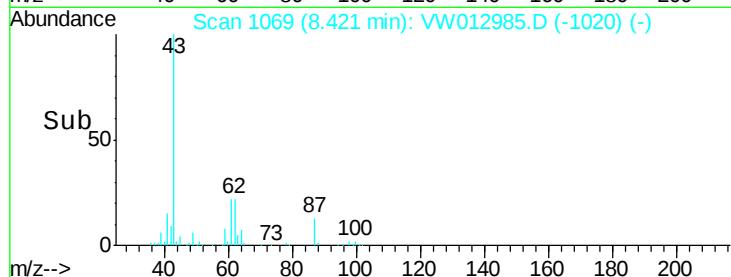
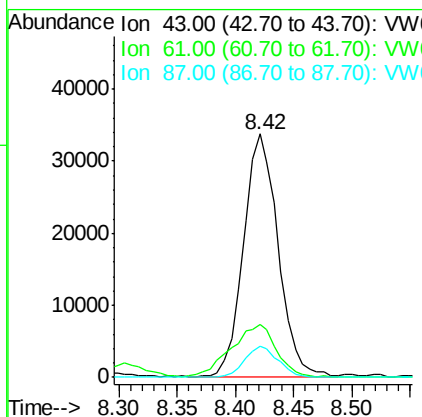
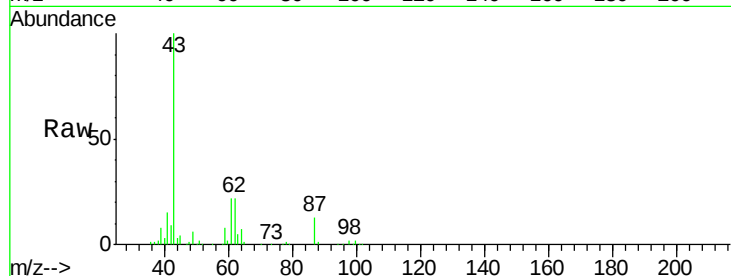
ClientSampleId :

VW0915SBS01

Tot Ion:	43	Resp:	70344
Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.7	34.1
87	12.3	9.4	14.2

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#44

Trichloroethene

Concen: 20.402 ug/l

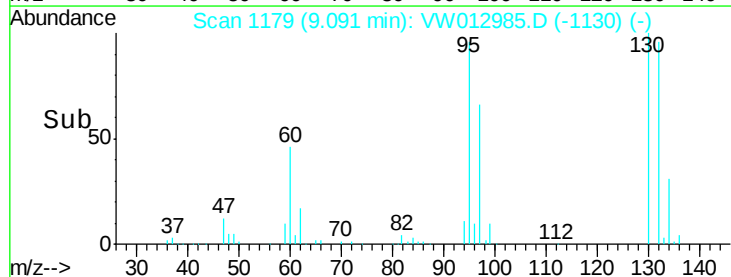
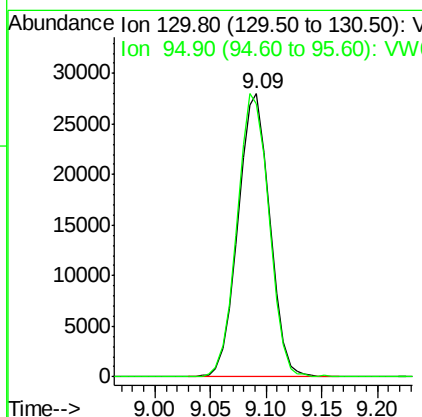
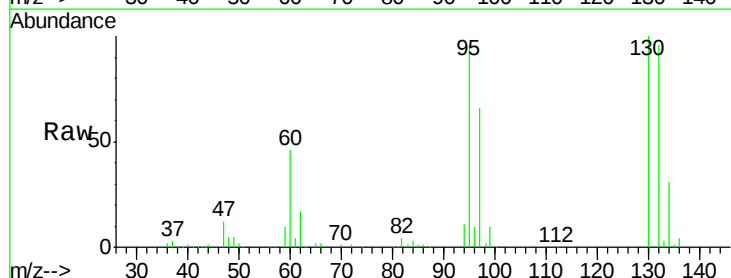
RT: 9.09 min Scan# 1179

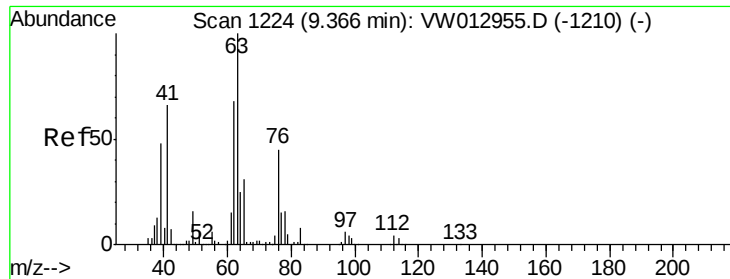
Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Tgt Ion:	130	Resp:	55563
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	204.4





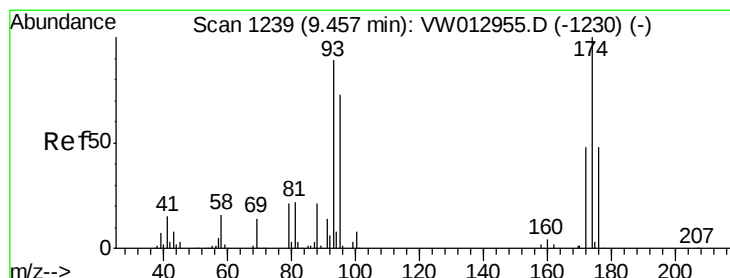
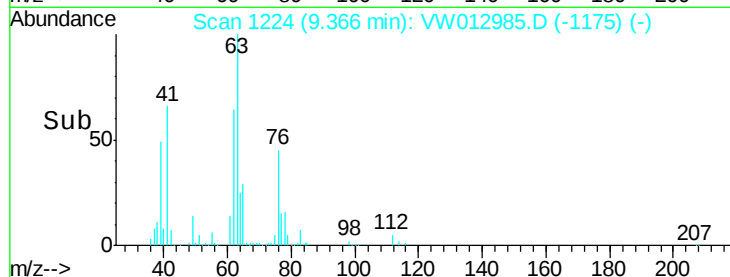
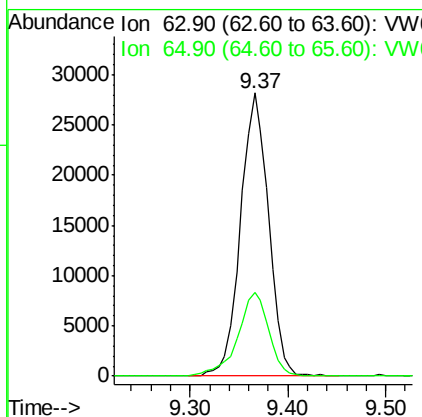
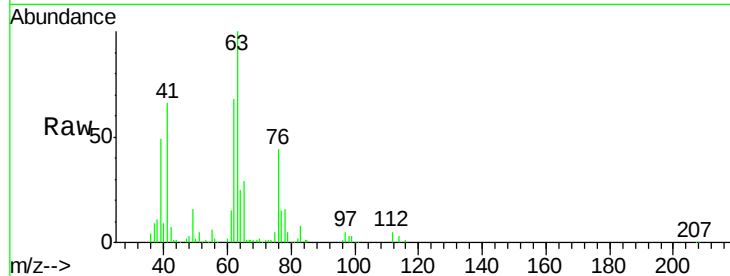
#45
 1,2-Dichloropropane
 Concen: 21.227 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion: 63 Resp: 56075
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.6 37.0

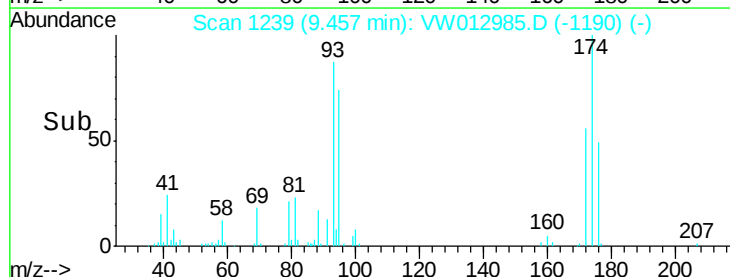
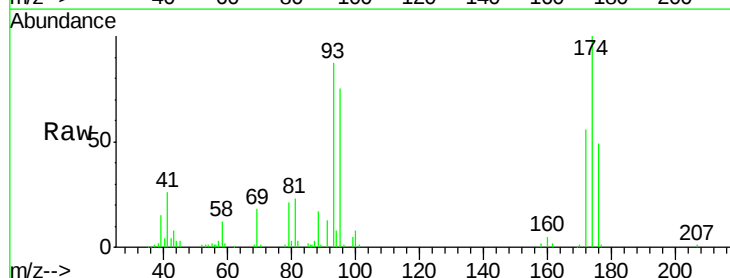
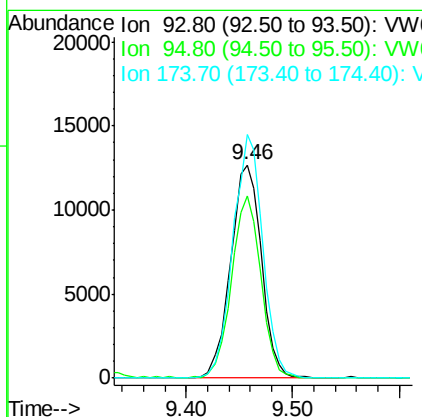
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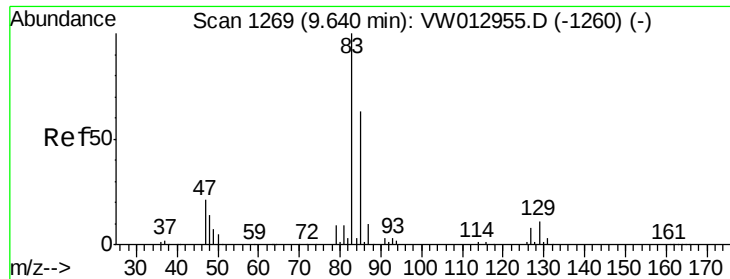
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#46
 Dibromomethane
 Concen: 20.407 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion: 93 Resp: 25827
 Ion Ratio Lower Upper
 93 100
 95 81.2 67.0 100.4
 174 109.9 90.5 135.7





#47

Bromodichloromethane

Concen: 20.228 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

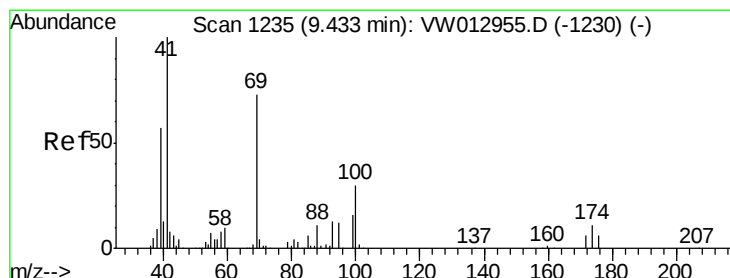
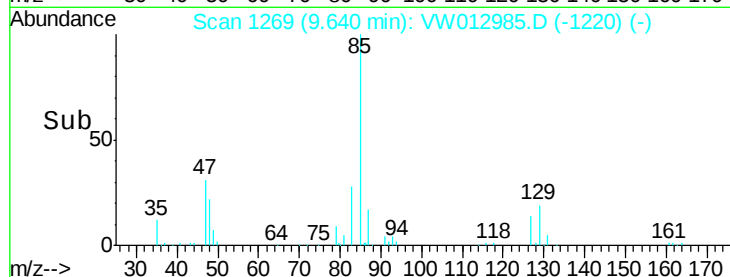
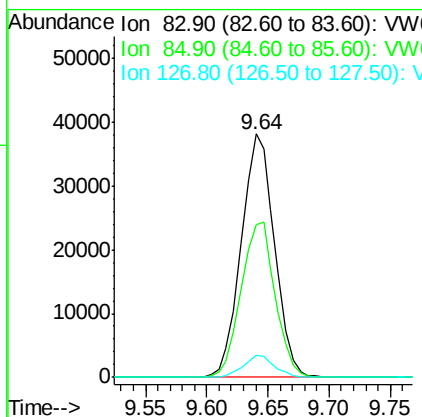
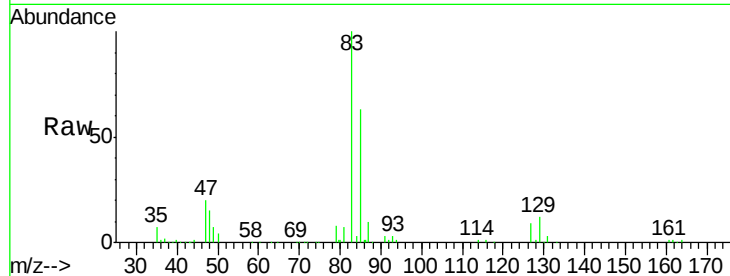
ClientSampleId :

VW0915SBS01

Tot Ion:	83	Resp:	71809
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.6	75.8
127	9.0	6.7	10.1

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#48

Methyl methacrylate

Concen: 18.936 ug/l

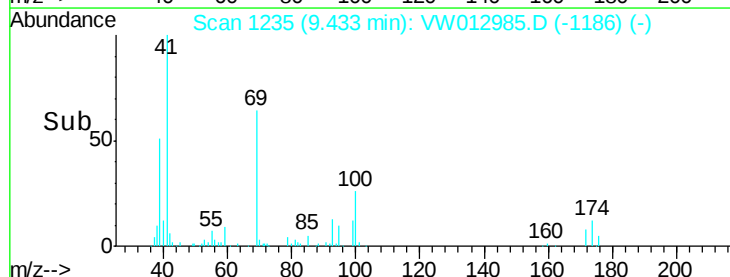
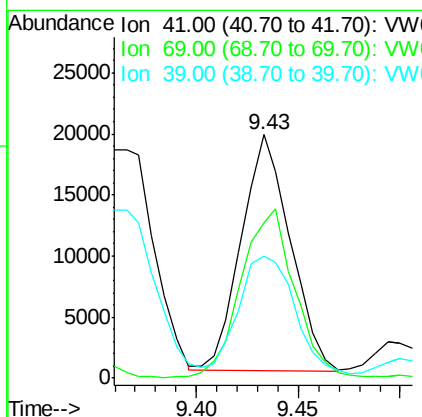
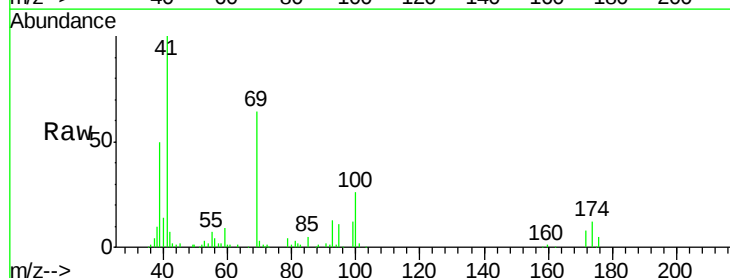
RT: 9.43 min Scan# 1235

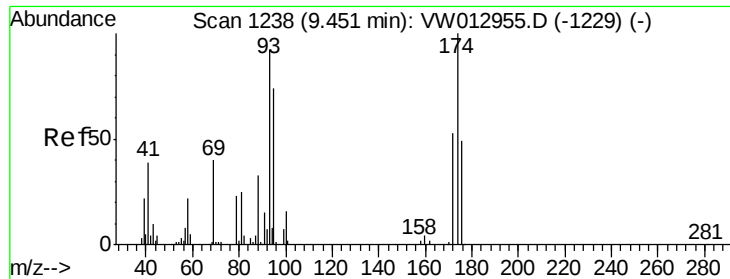
Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Tgt Ion:	41	Resp:	32257
Ion	Ratio	Lower	Upper
41	100		
69	77.6	62.8	94.2
39	61.4	48.5	72.7





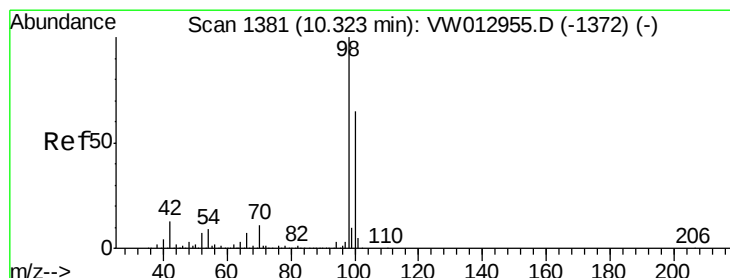
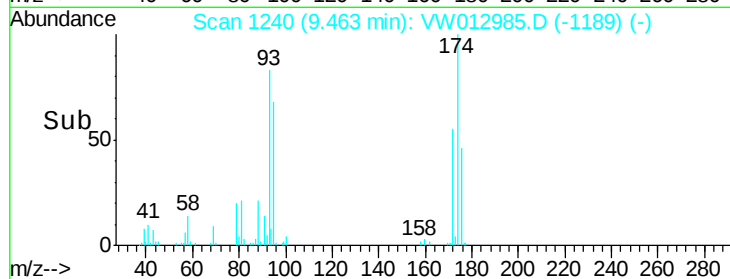
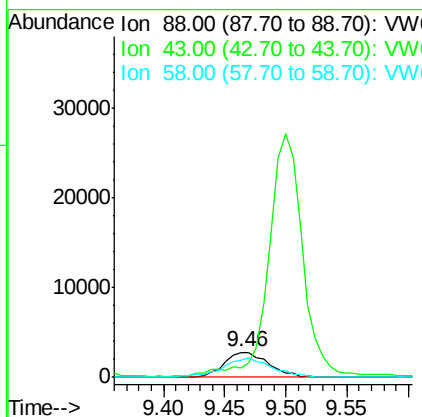
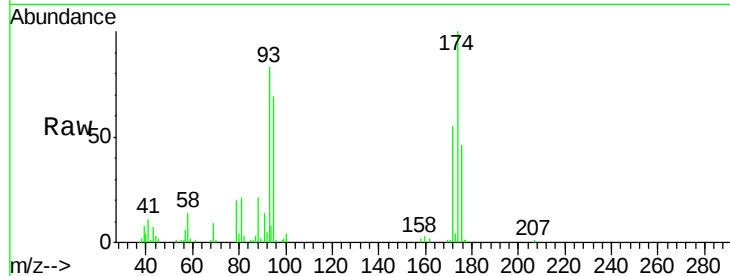
#49
1,4-Dioxane
Concen: 328.808 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	86.6	60.2	90.2

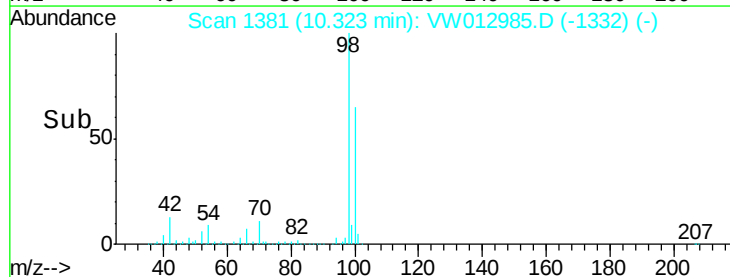
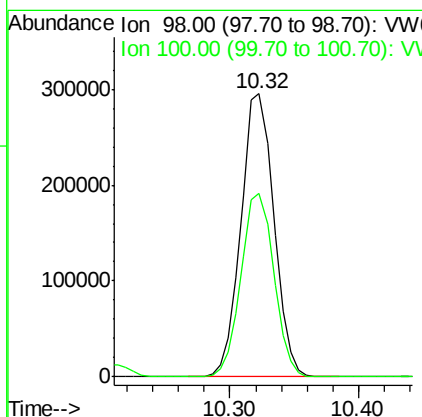
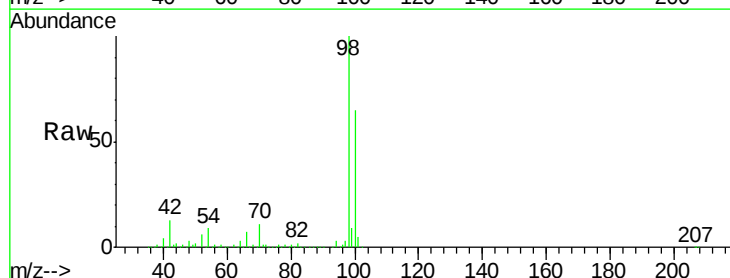
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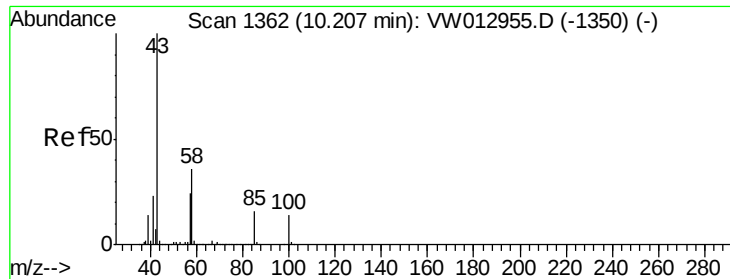
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#50
Toluene-d8
Concen: 55.250 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 95.548 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampled :

VW0915SBS01

Tot Ion: 43 Resp: 179052

Ion Ratio Lower Upper

43 100

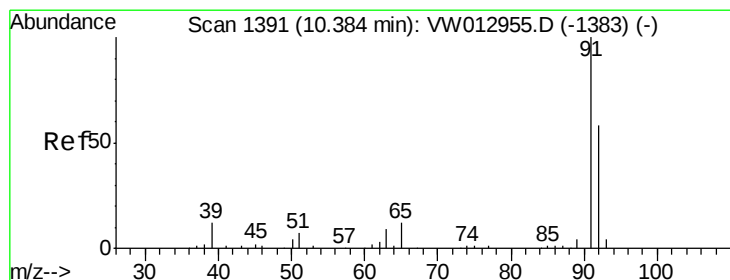
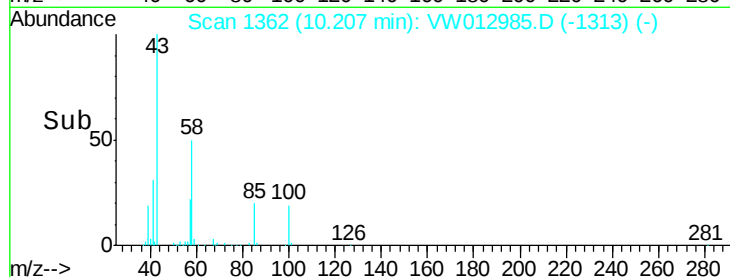
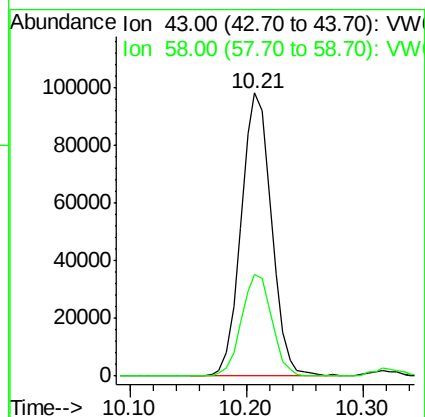
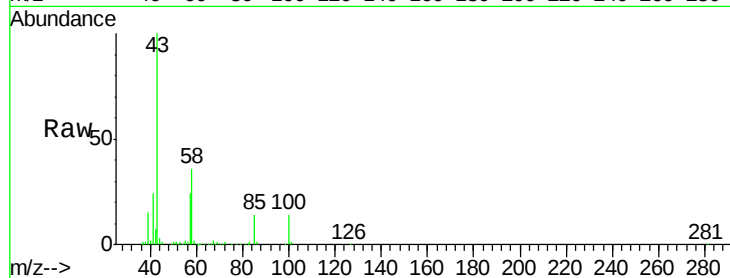
58 35.9 29.5 44.3

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#52

Toluene

Concen: 20.938 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012985.D

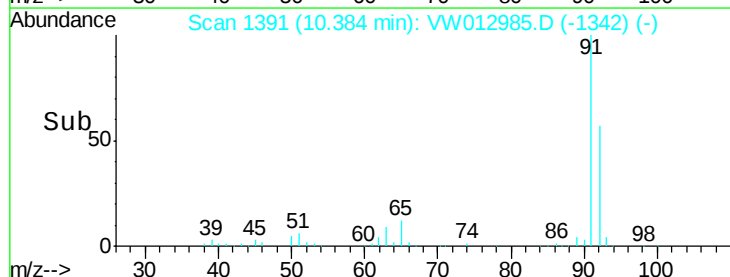
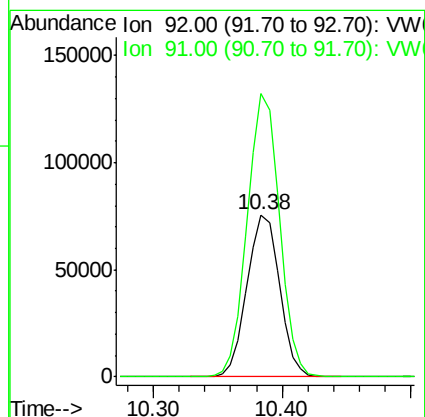
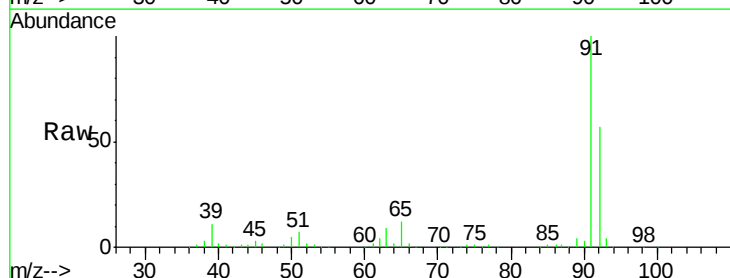
Acq: 14 Sep 2019 11:37

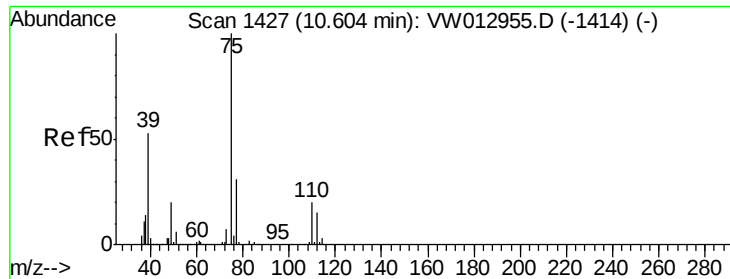
Tgt Ion: 92 Resp: 132290

Ion Ratio Lower Upper

92 100

91 172.5 137.5 206.3





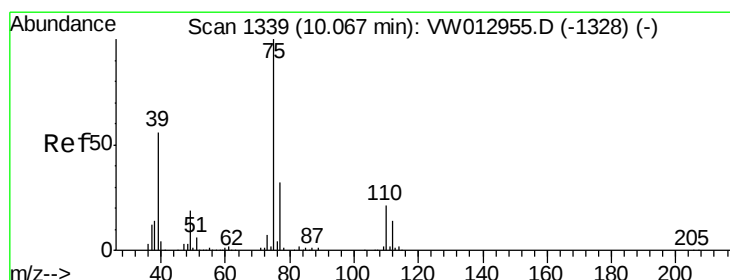
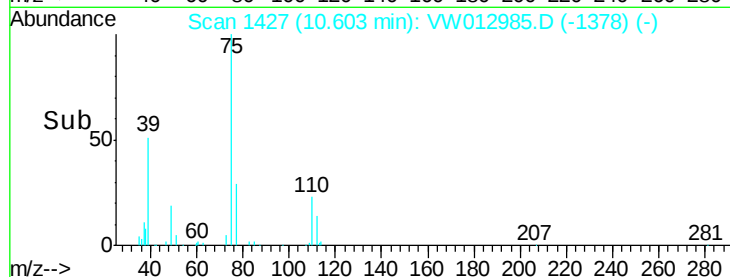
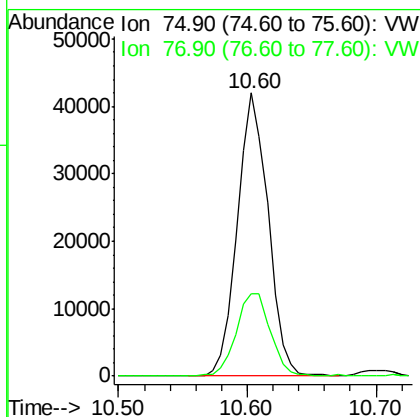
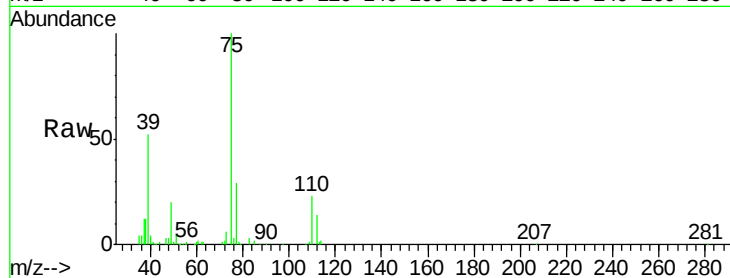
#53
 t-1,3-Dichloropropene
 Concen: 19.432 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion	75	Resp	69380
Ion Ratio	Lower	Upper	
75	100		
77	28.8	24.6	37.0

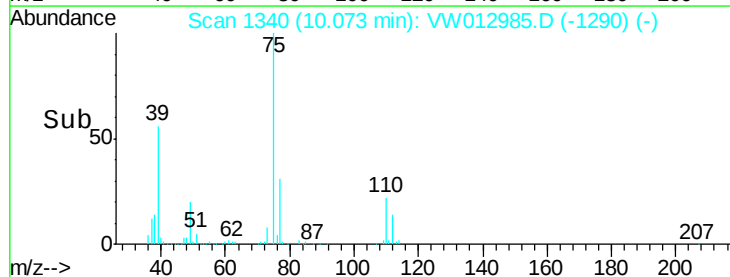
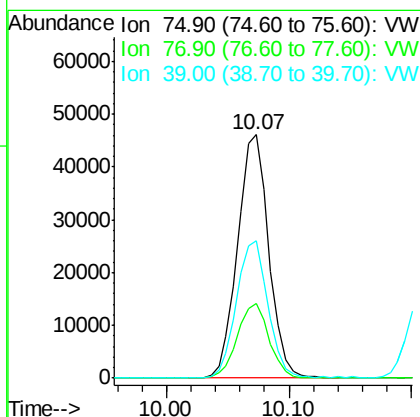
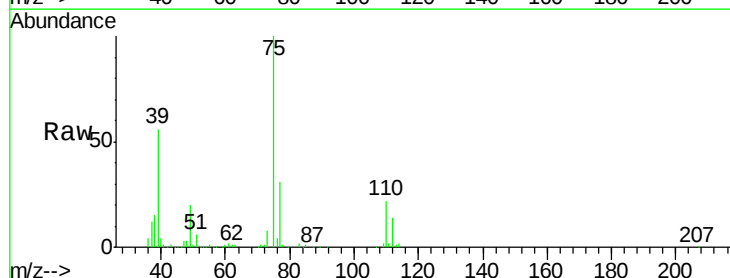
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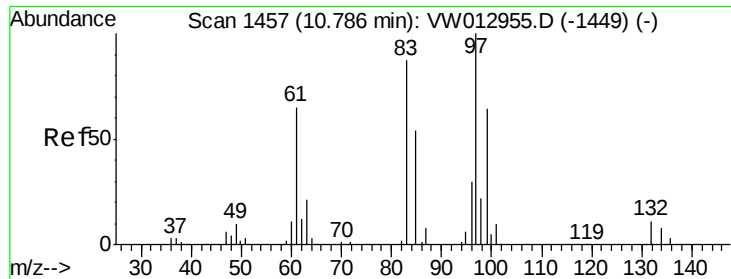
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#54
 cis-1,3-Dichloropropene
 Concen: 19.887 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion	75	Resp	81241
Ion Ratio	Lower	Upper	
75	100		
77	30.6	25.5	38.3
39	56.3	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 20.340 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

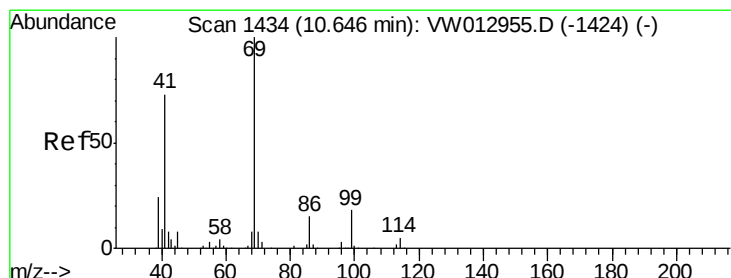
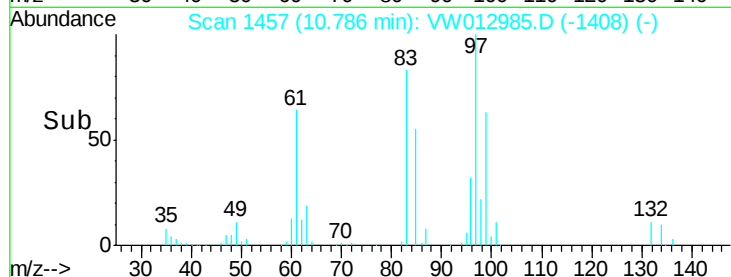
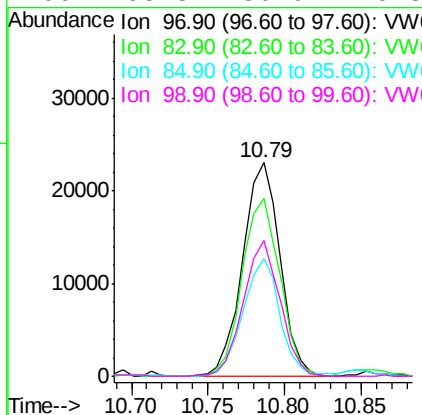
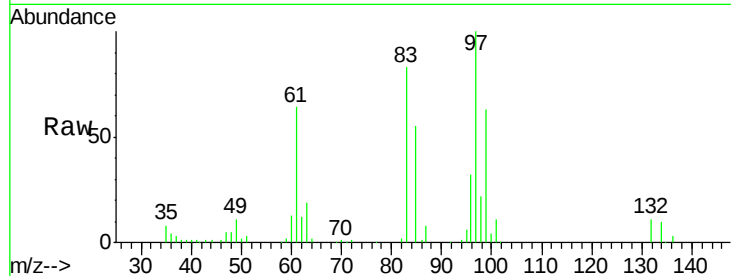
ClientSampleId :

VW0915SBS01

Tot Ion:	97	Resp:	39217
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.4	104.0
85	54.6	43.3	64.9
99	63.3	50.9	76.3

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#56

Ethyl methacrylate

Concen: 18.869 ug/l

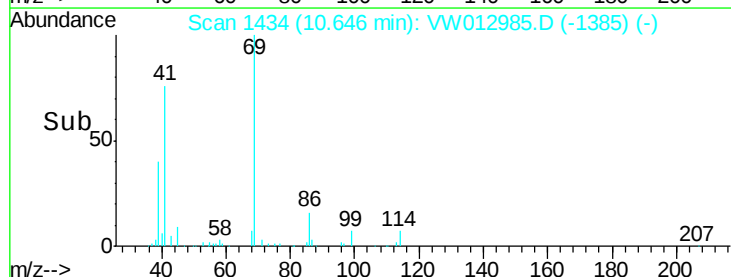
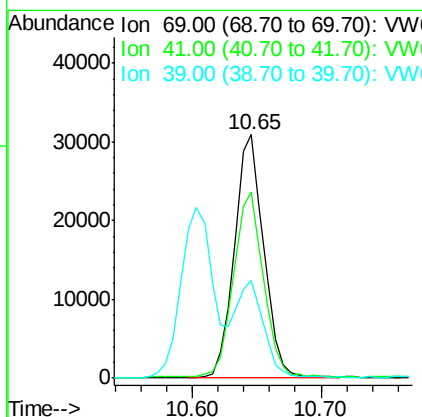
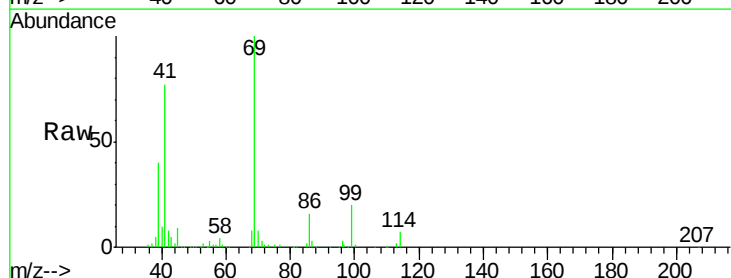
RT: 10.65 min Scan# 1434

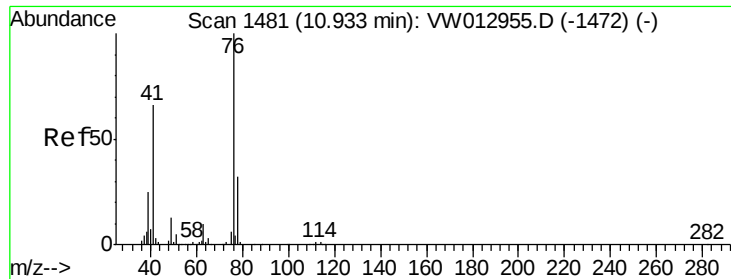
Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Tgt Ion:	69	Resp:	48968
Ion	Ratio	Lower	Upper
69	100		
41	79.8	60.8	91.2
39	37.4	29.4	44.0





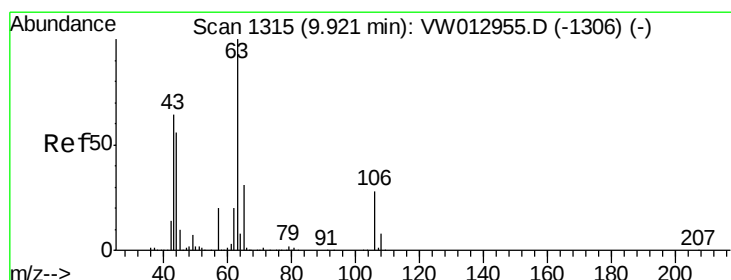
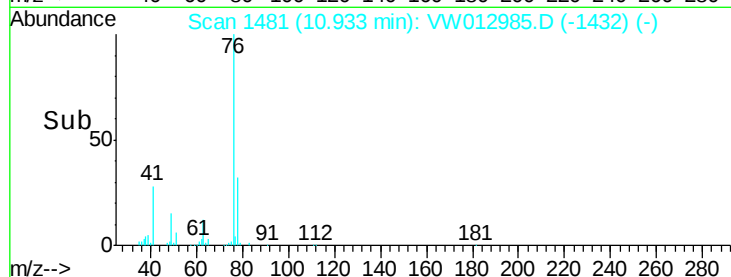
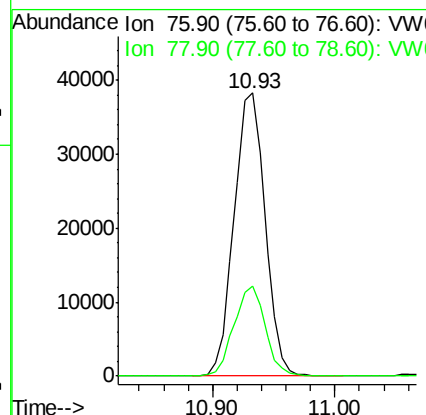
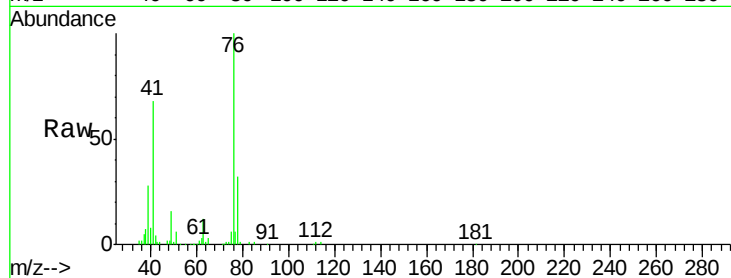
#57
 1,3-Dichloropropane
 Concen: 19.606 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion: 76 Resp: 67055
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

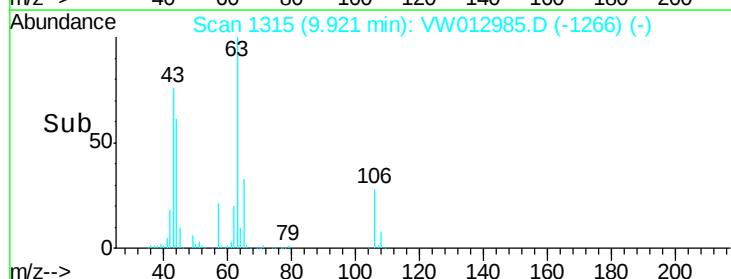
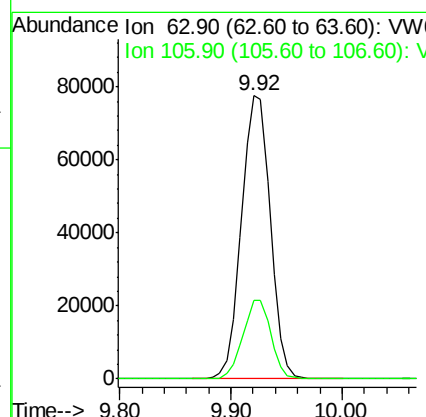
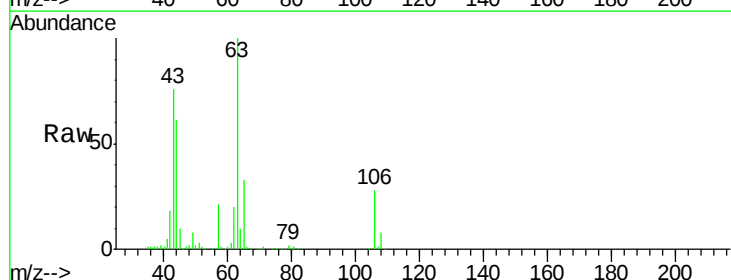
Manual Integrations
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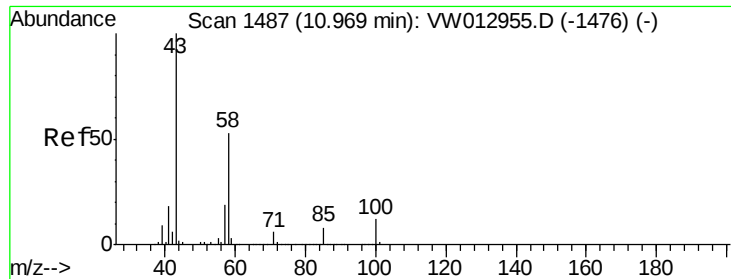
MMDadoda
 9/16/2019 11:13:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.877 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion: 63 Resp: 139041
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.2 33.2





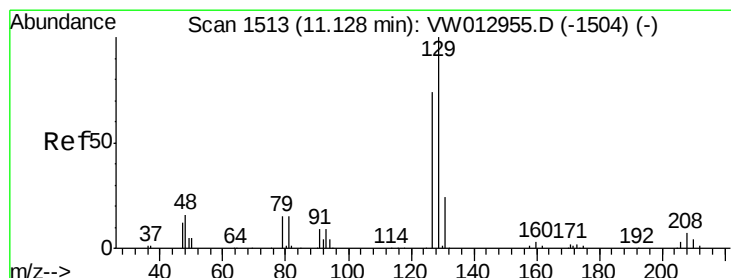
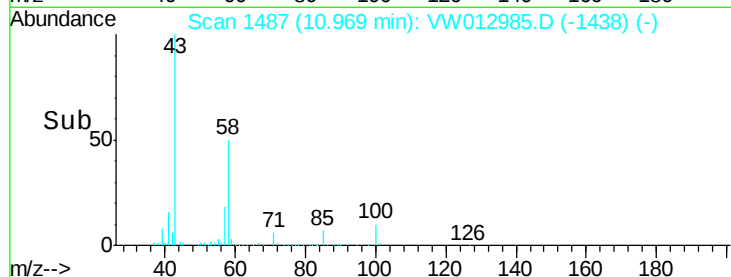
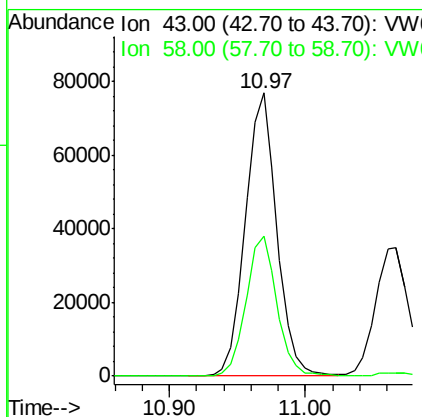
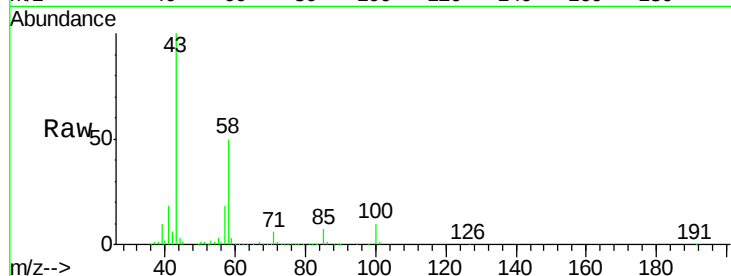
#59
2-Hexanone
Concen: 95.294 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion: 43 Resp: 124344
Ion Ratio Lower Upper
43 100
58 48.8 25.8 77.3

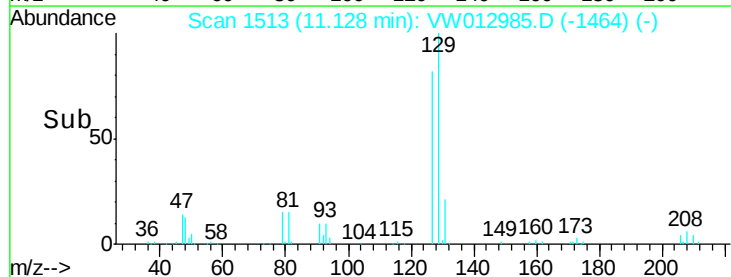
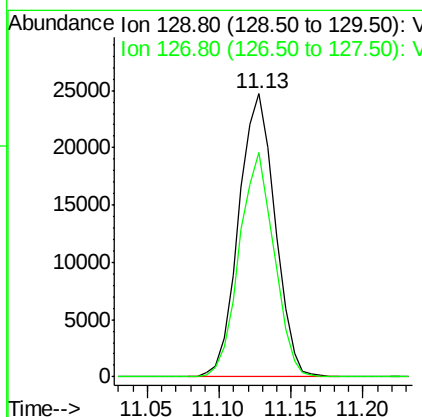
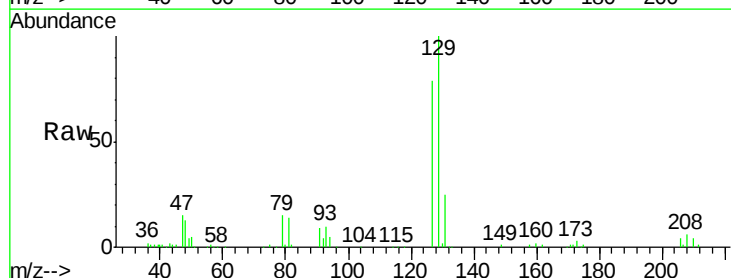
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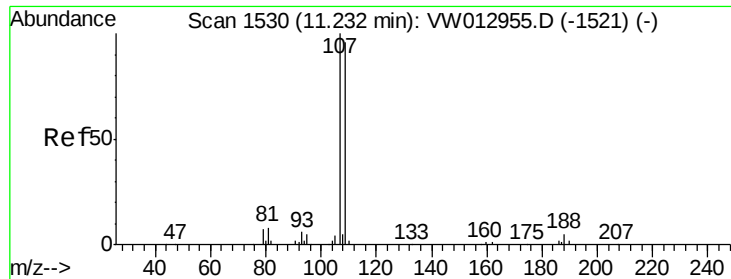
MMDadoda
9/16/2019 11:13:27 AM



#60
Dibromochloromethane
Concen: 18.513 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion: 129 Resp: 43153
Ion Ratio Lower Upper
129 100
127 76.2 37.4 112.2





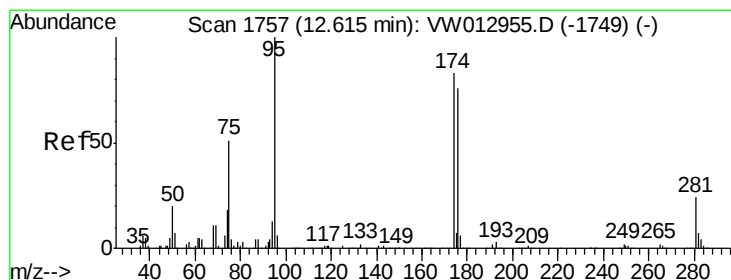
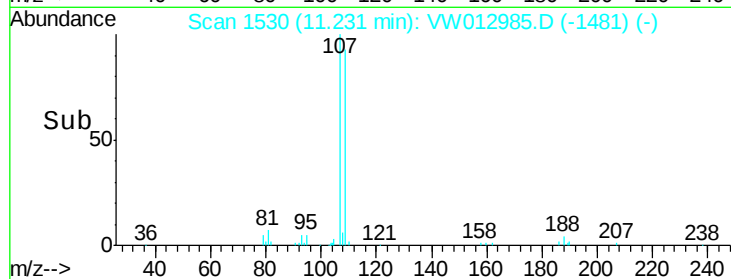
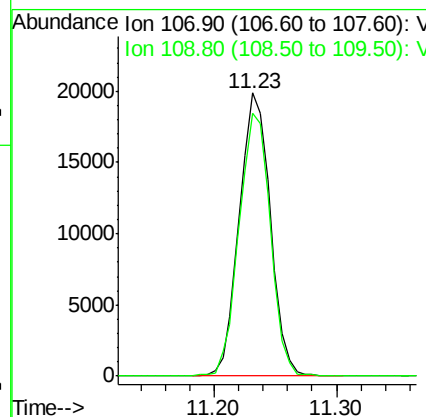
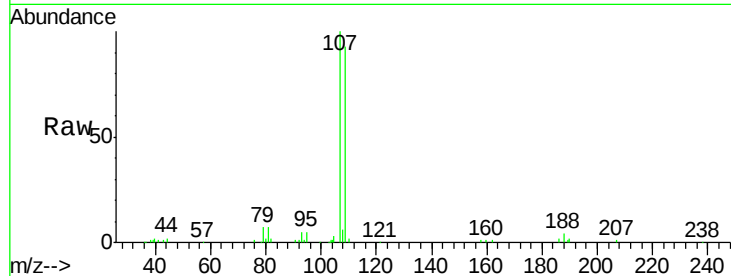
#61
 1,2-Dibromoethane
 Concen: 19.896 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

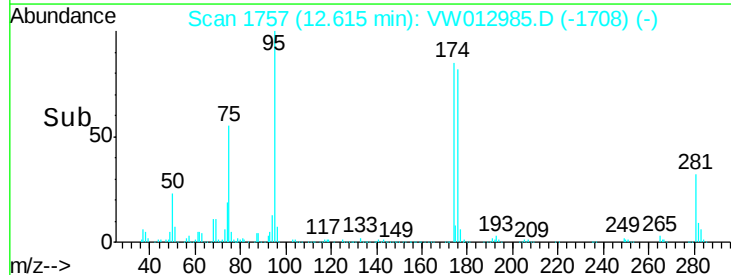
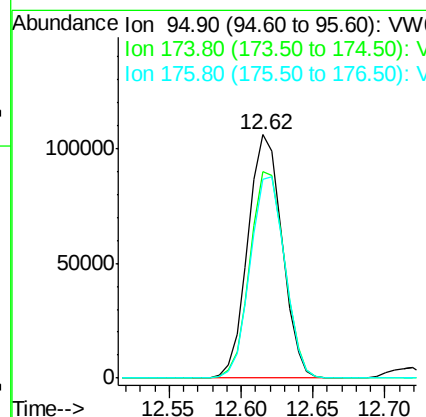
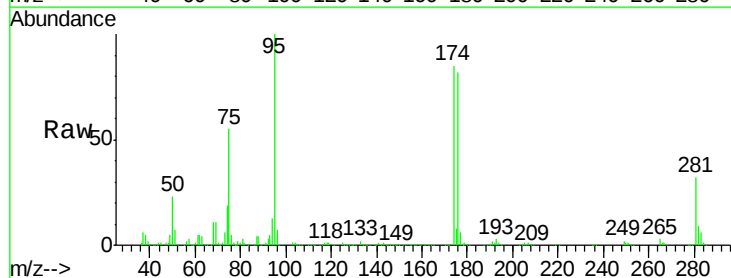
Manual Integrations
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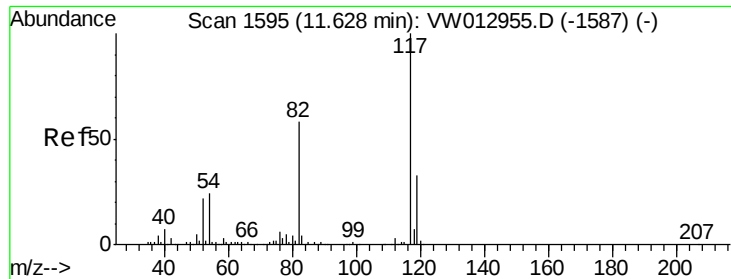
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#62
 4-Bromofluorobenzene
 Concen: 51.194 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	170.4
176	83.9	0.0	164.6





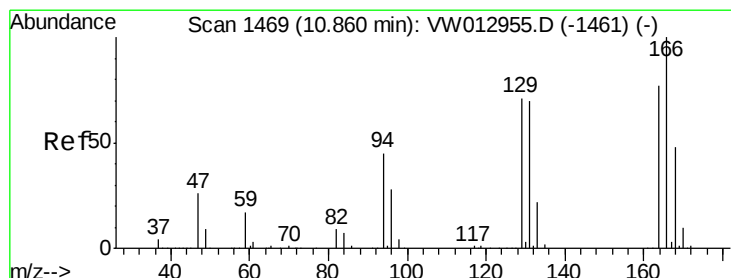
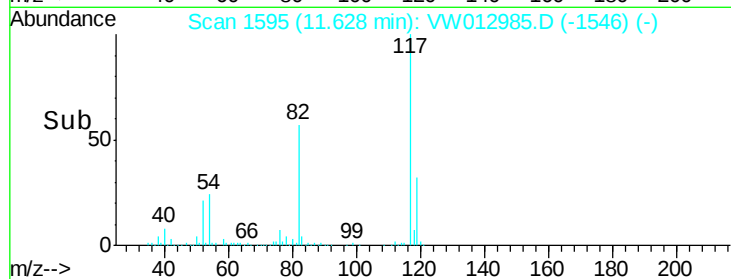
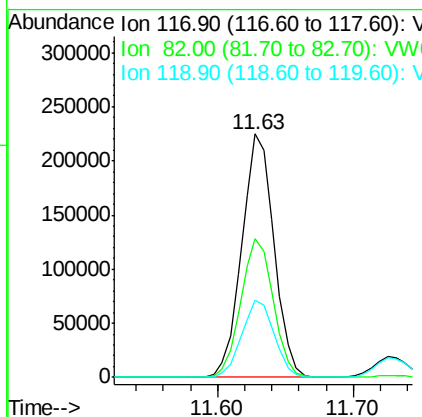
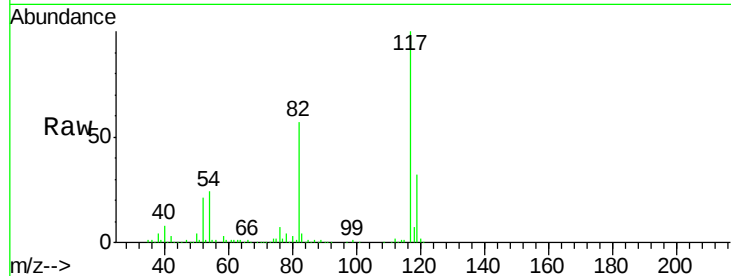
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	370376		
82	57.1	46.3	69.5	
119	31.7	26.2	39.4	

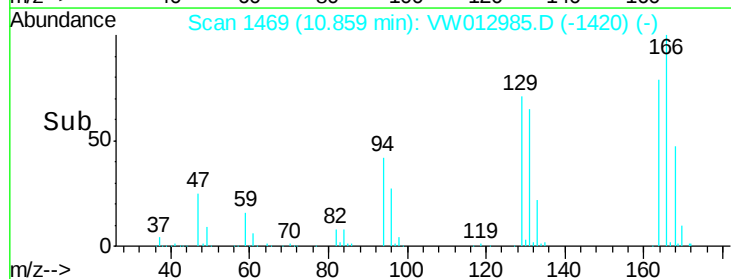
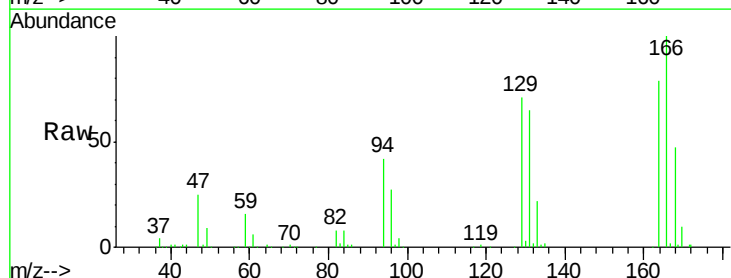
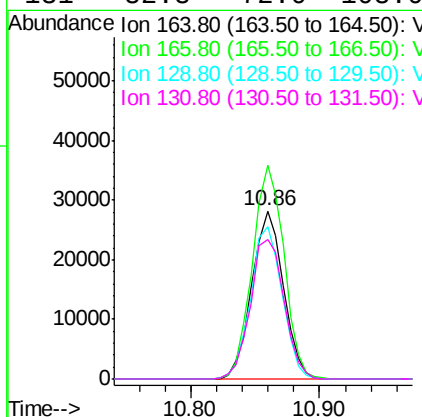
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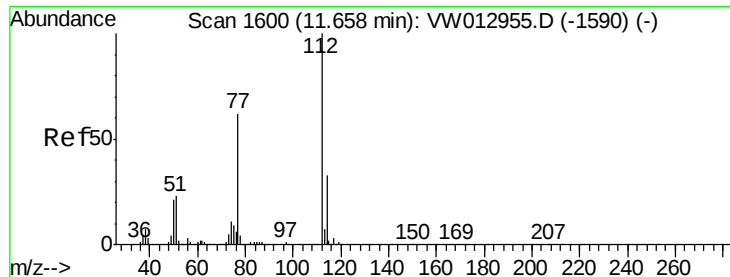
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#64
Tetrachloroethene
Concen: 21.597 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47586		
166	127.1	103.3	154.9	
129	90.3	73.8	110.8	
131	82.8	72.0	108.0	





#65

Chlorobenzene

Concen: 20.322 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion:112 Resp: 134069

Ion Ratio Lower Upper

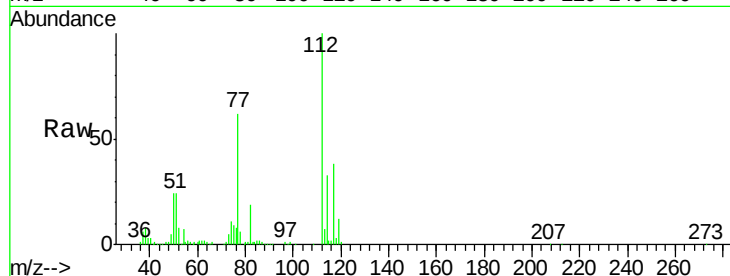
112 100

114 32.5 26.4 39.6

Manual Integrations
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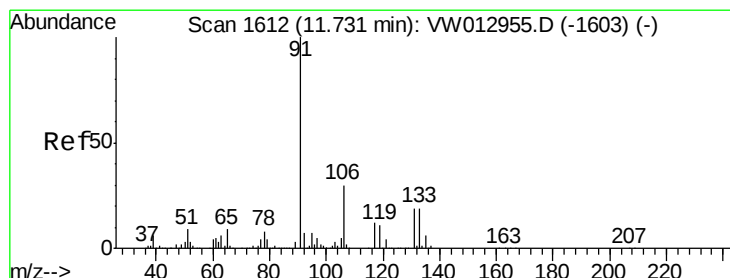
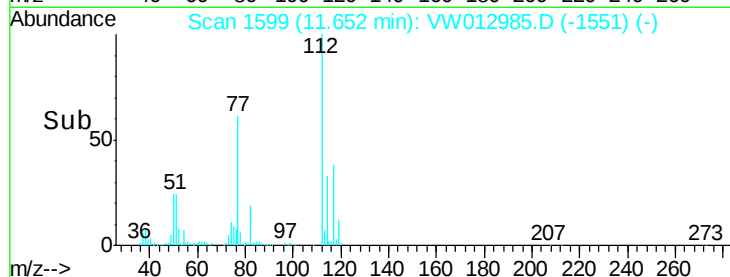
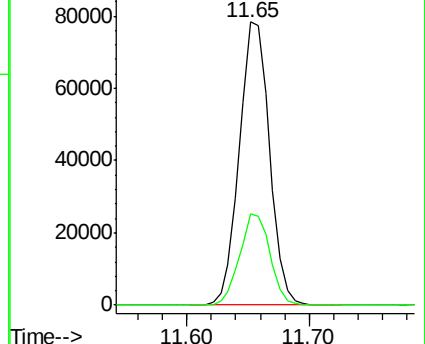
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.239 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

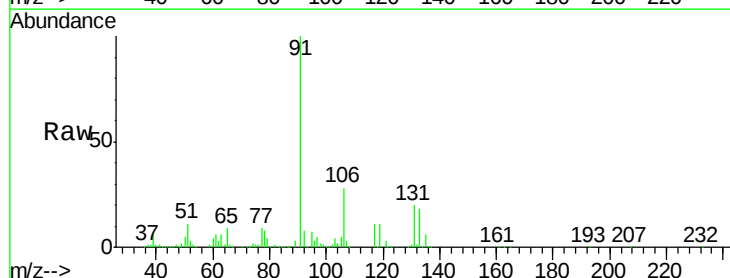
Tgt Ion:131 Resp: 51168

Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.8

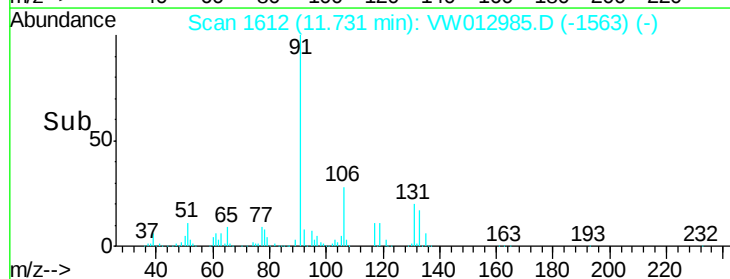
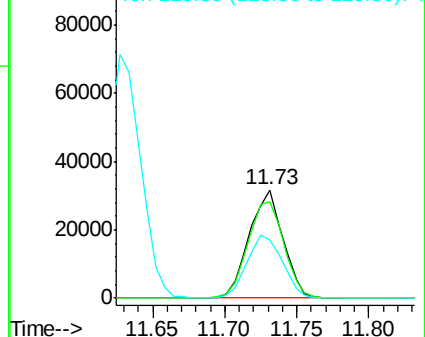
119 61.7 30.9 92.7

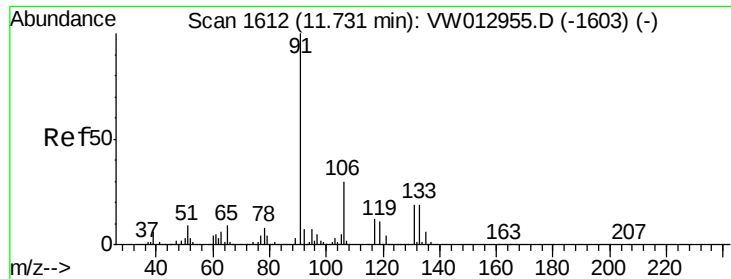


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





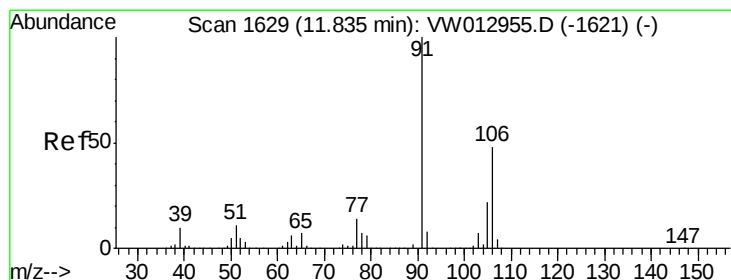
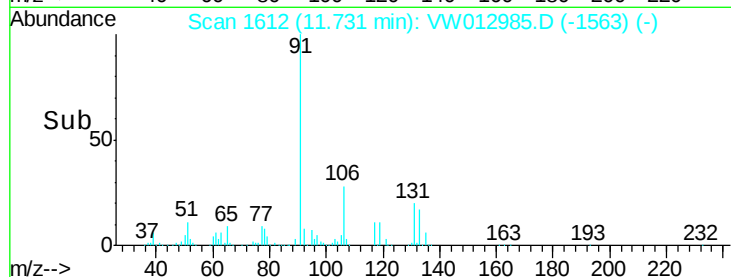
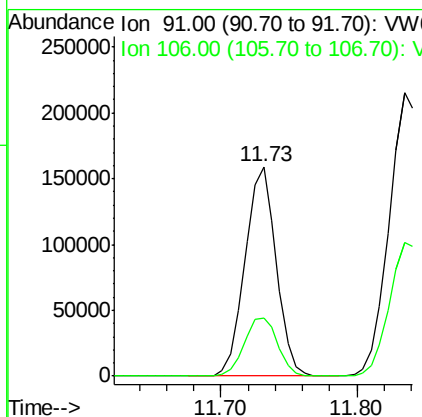
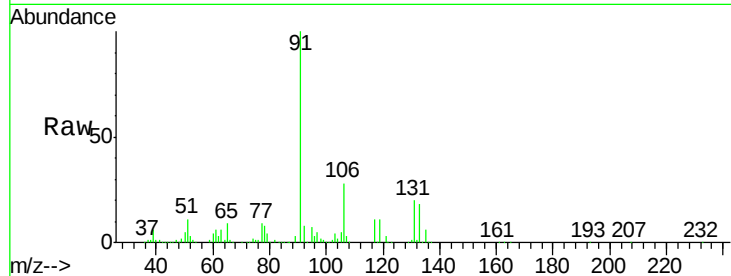
#67
Ethyl Benzene
Concen: 20.903 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	27.7	24.3	36.5

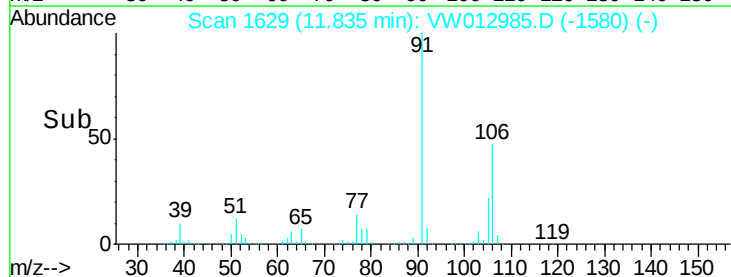
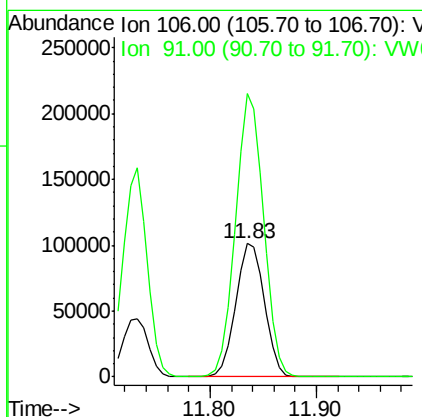
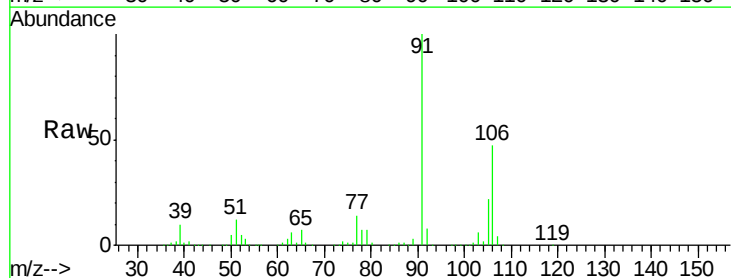
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#68
m/p-Xylenes
Concen: 43.097 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.8	248.8





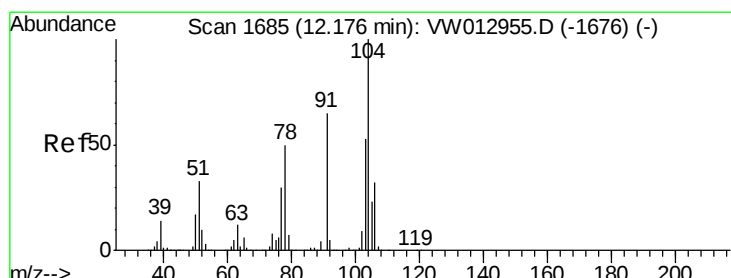
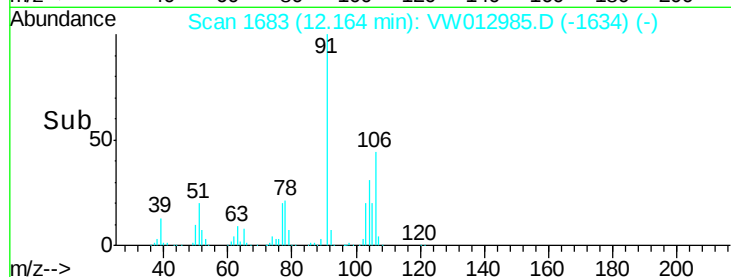
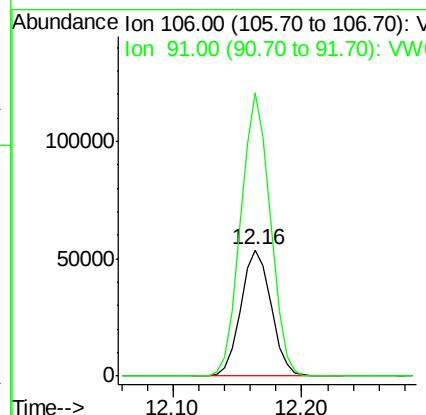
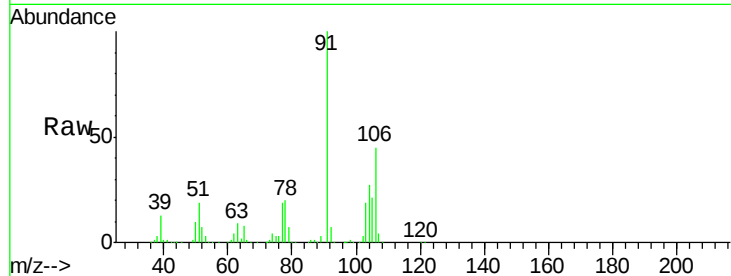
#69
o-Xylene
Concen: 20.874 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion:106 Resp: 87107
Ion Ratio Lower Upper
106 100
91 219.9 109.7 329.0

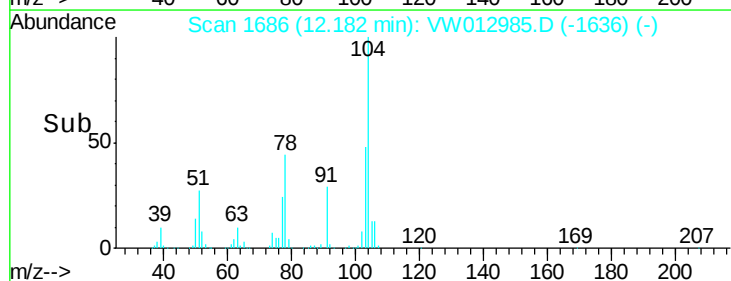
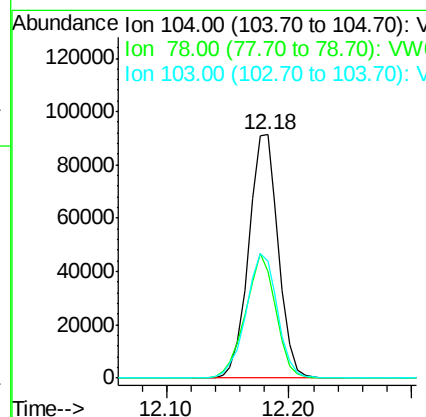
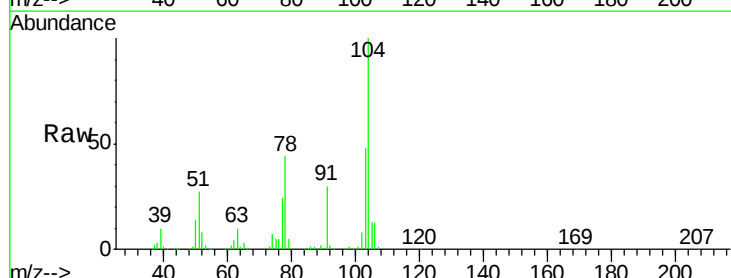
Manual Integrations
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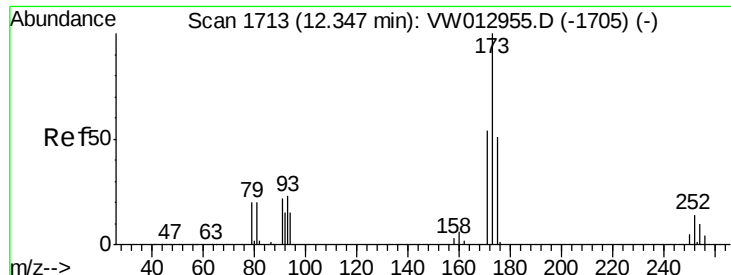
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#70
Styrene
Concen: 20.630 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion:104 Resp: 153141
Ion Ratio Lower Upper
104 100
78 52.3 42.1 63.1
103 54.4 44.2 66.4





#71

Bromoform

Concen: 19.113 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

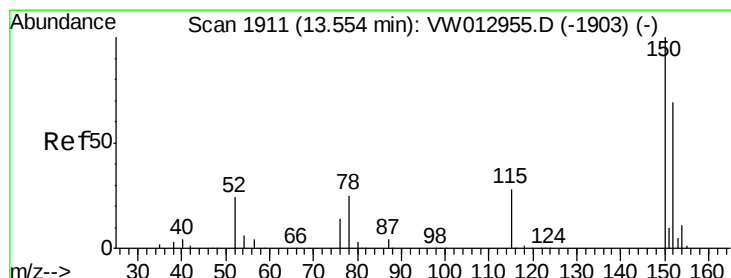
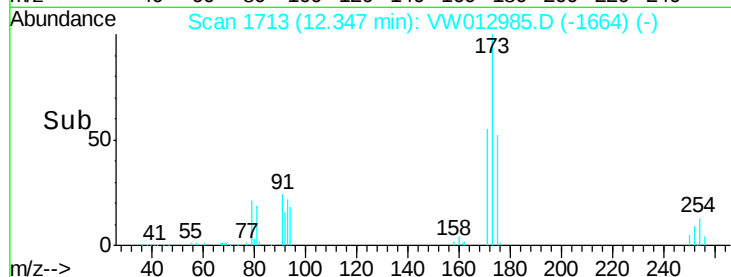
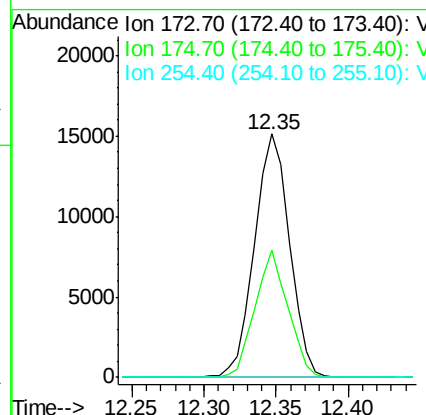
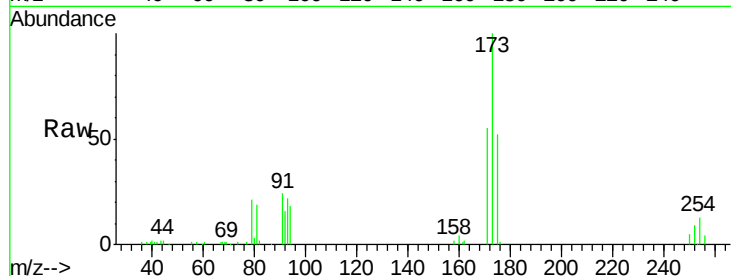
ClientSampleId :

VW0915SBS01

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

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

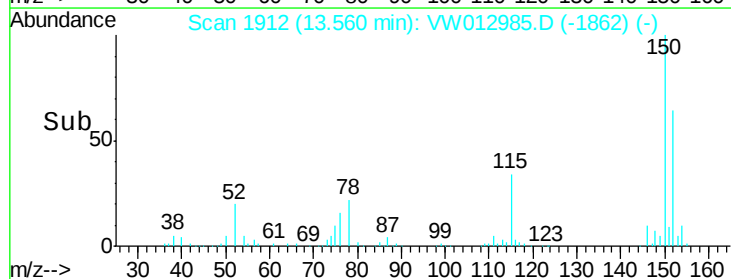
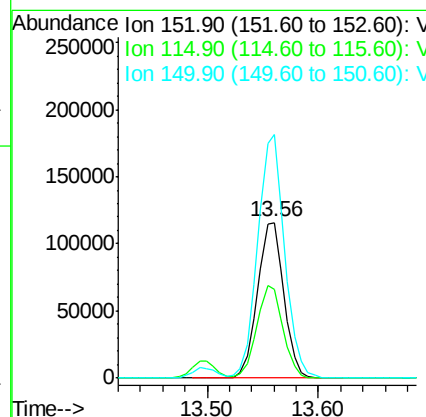
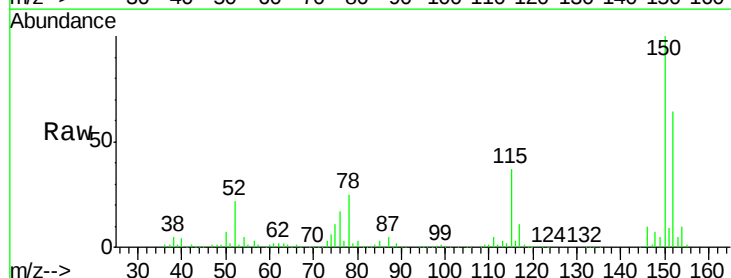
RT: 13.56 min Scan# 1912

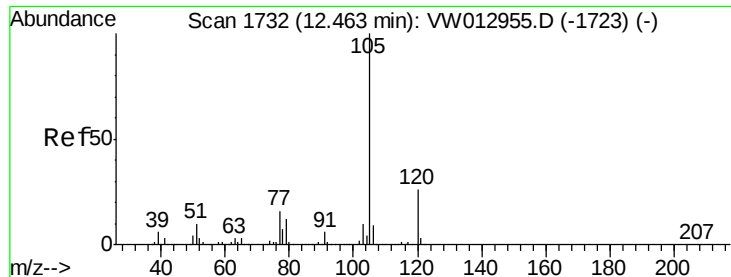
Delta R.T. 0.01 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.8	86.4
150	159.9	0.0	340.2





#73

Isopropylbenzene

Concen: 20.124 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion:105 Resp: 255429

Ion Ratio Lower Upper

105 100

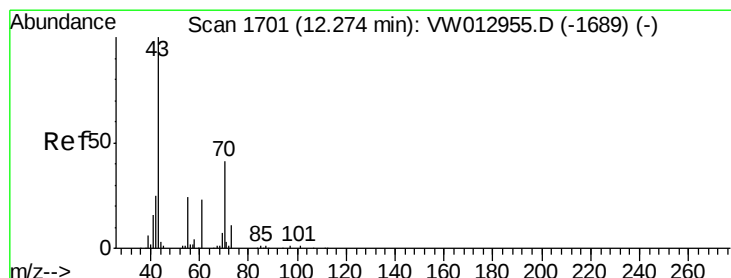
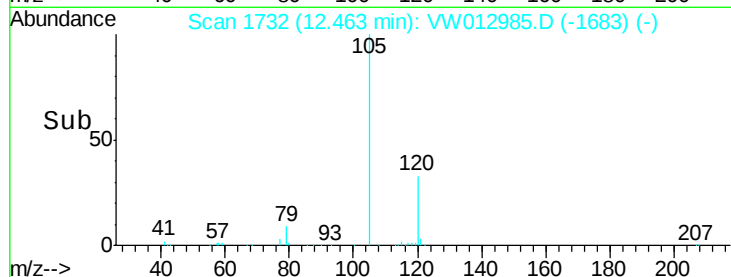
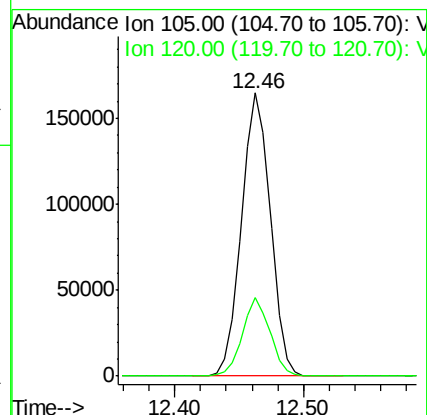
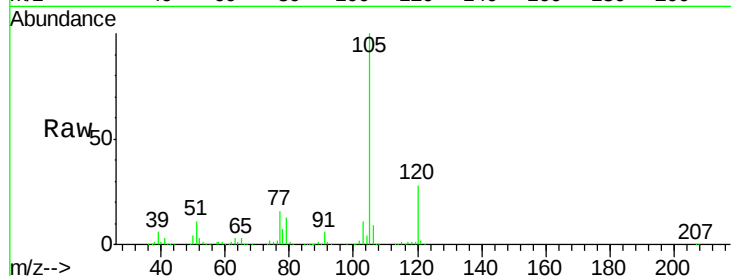
120 26.3 13.0 39.0

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#74

N-ethyl acetate

Concen: 19.368 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Tgt Ion: 43 Resp: 63238

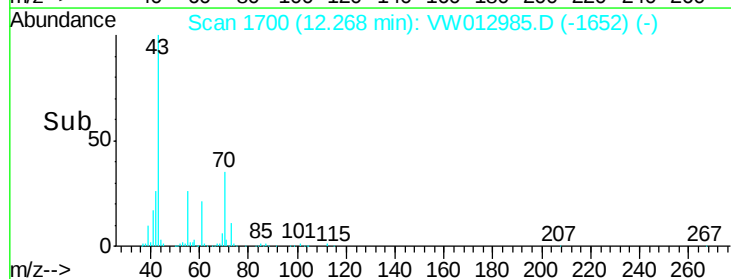
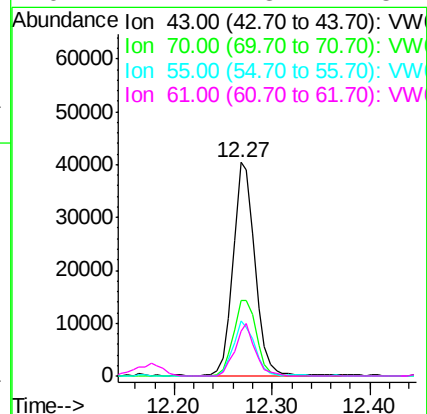
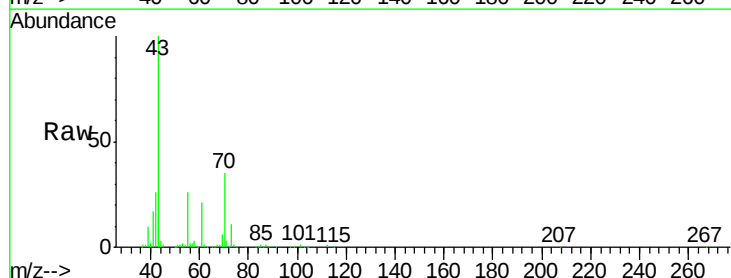
Ion Ratio Lower Upper

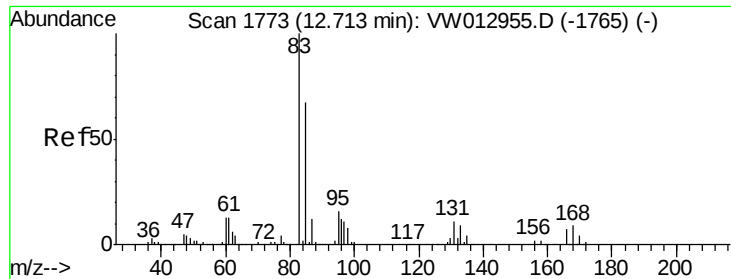
43 100

70 37.3 31.7 47.5

55 24.7 19.4 29.2

61 22.1 18.7 28.1





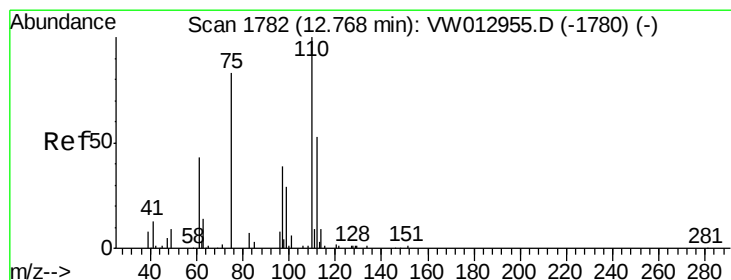
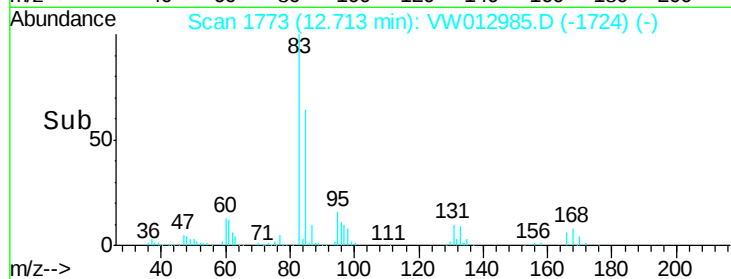
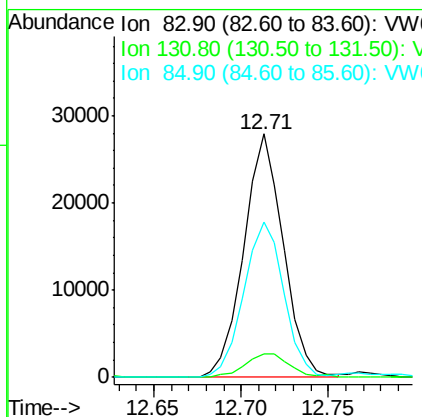
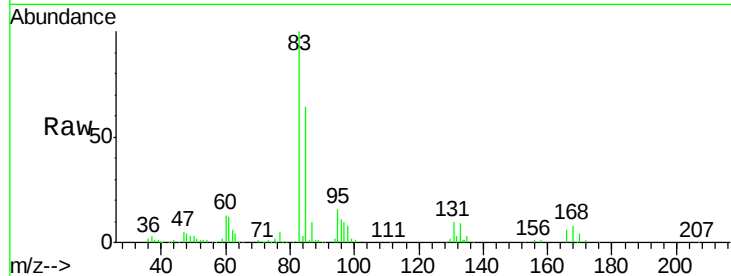
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.768 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion	83	Resp	44070
Ion Ratio	100	Lower	Upper
83	100		
131	11.2	5.7	17.1
85	64.9	31.4	94.3

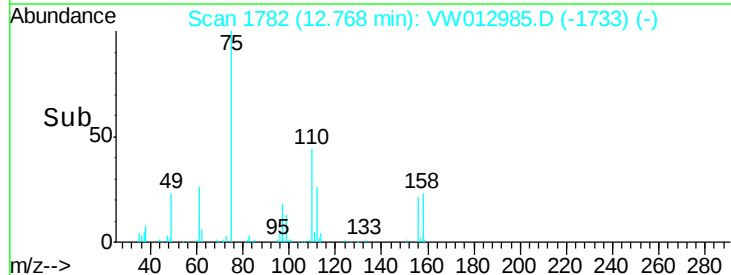
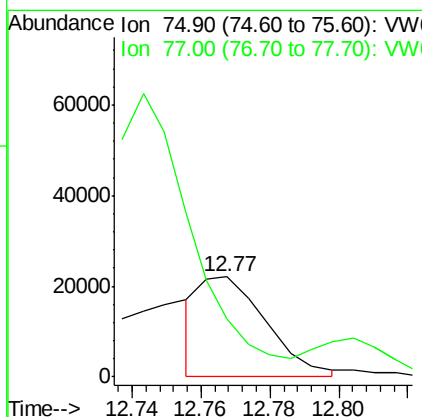
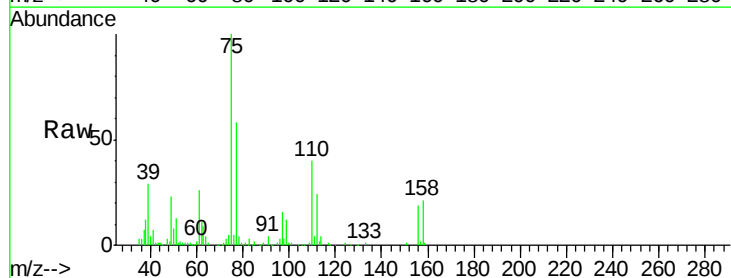
Manual Integrations
 APPROVED

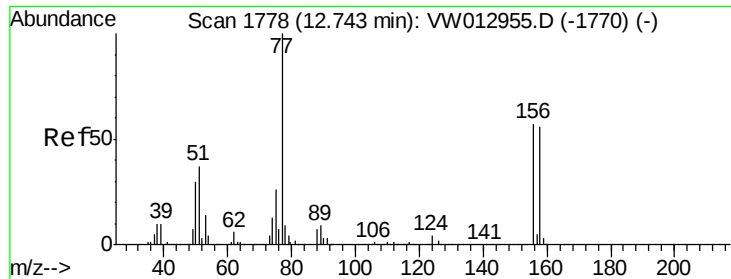
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#76
 1,2,3-Trichloropropane
 Concen: 17.761 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion	75	Resp	29791
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





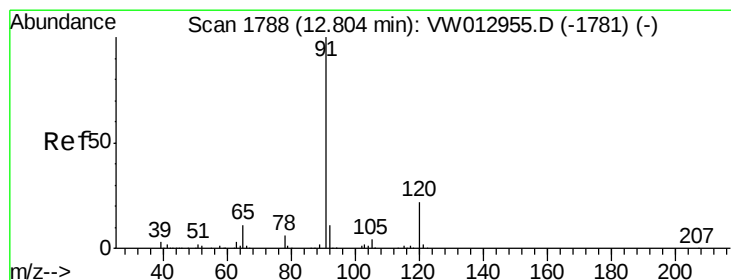
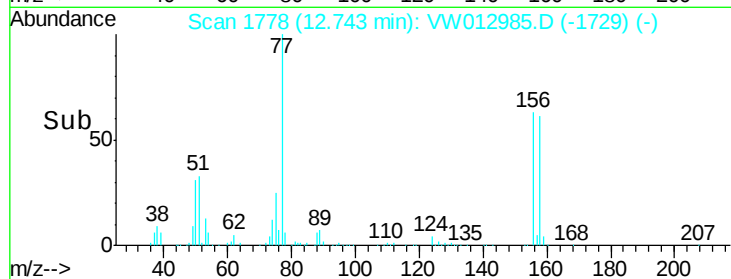
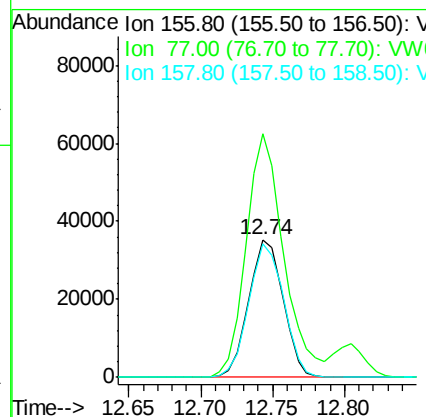
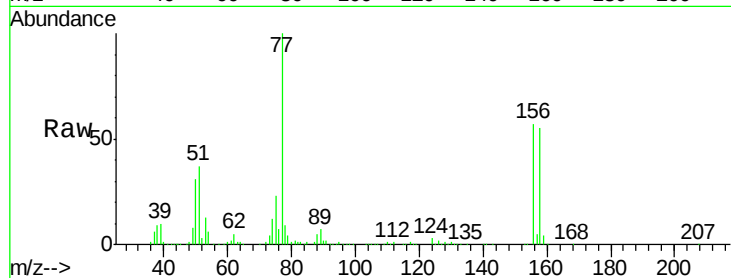
#77
Bromobenzene
Concen: 19.953 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.5	95.2	285.6
158	98.4	49.0	147.2

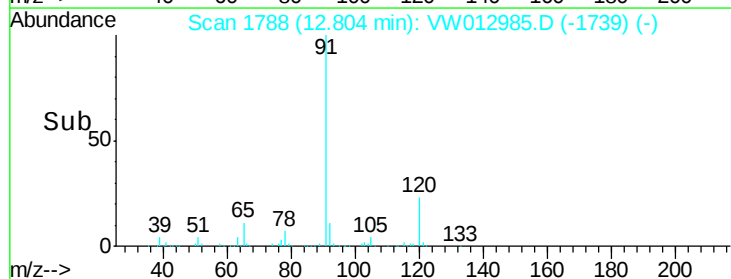
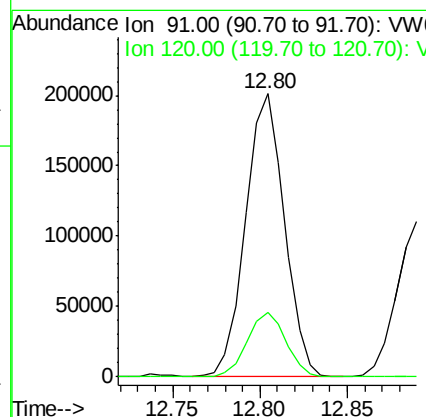
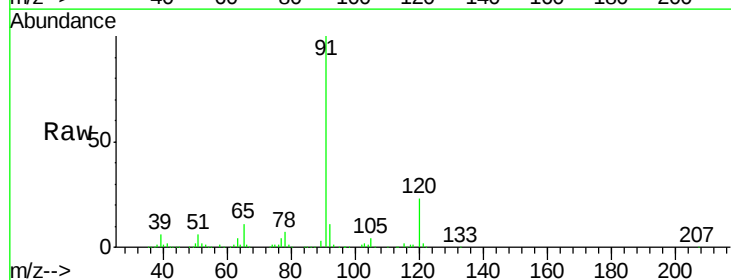
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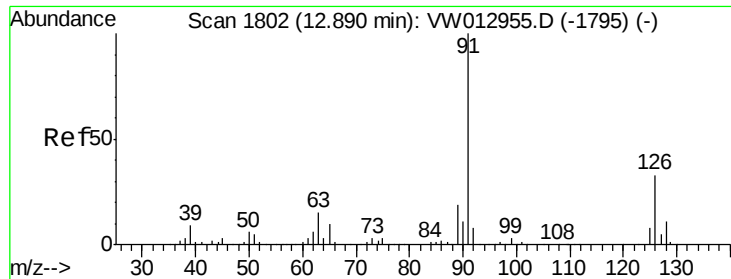
MMDadoda
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#78
n-propylbenzene
Concen: 20.734 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.413 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion: 91 Resp: 175209

Ion Ratio Lower Upper

91 100

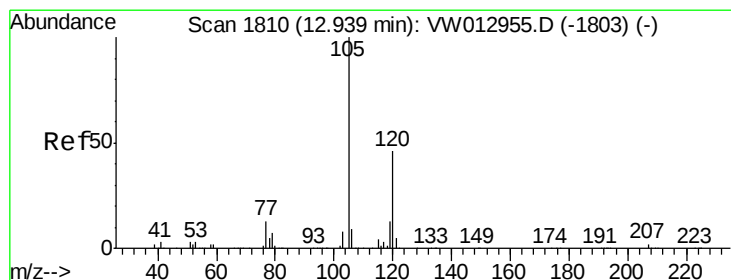
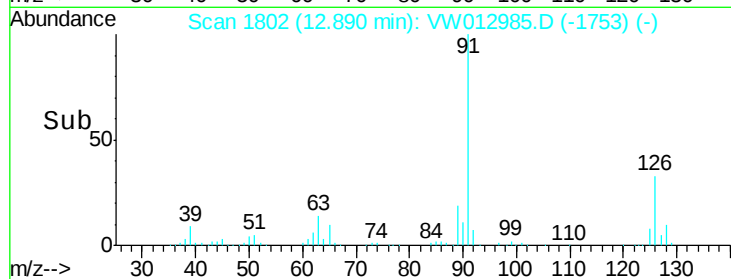
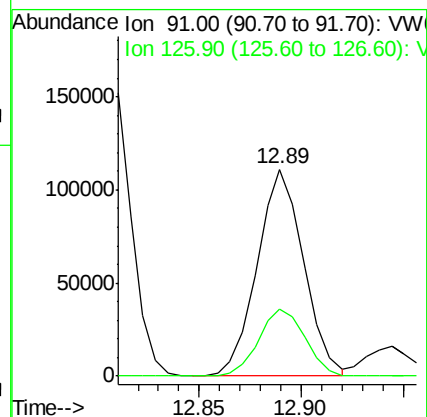
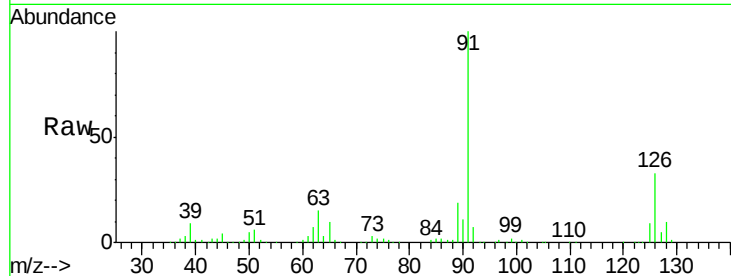
126 32.9 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.501 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW012985.D

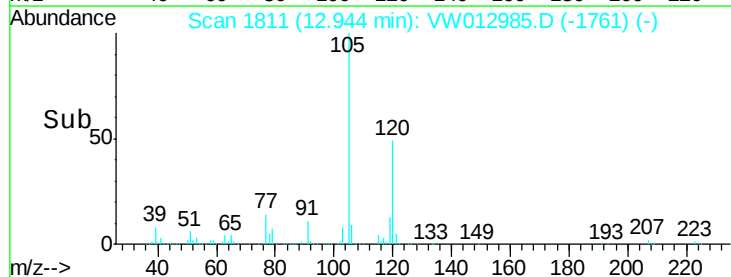
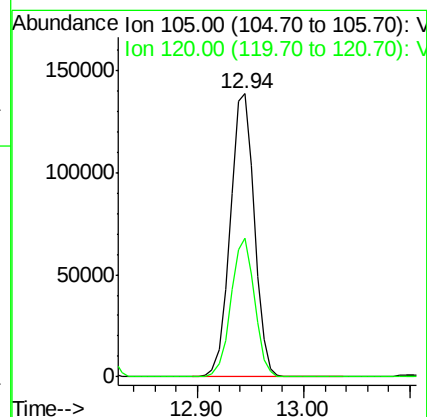
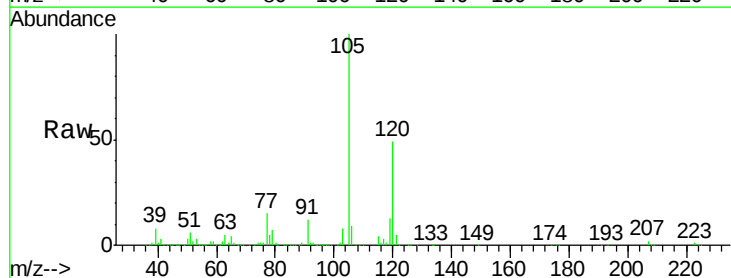
Acq: 14 Sep 2019 11:37

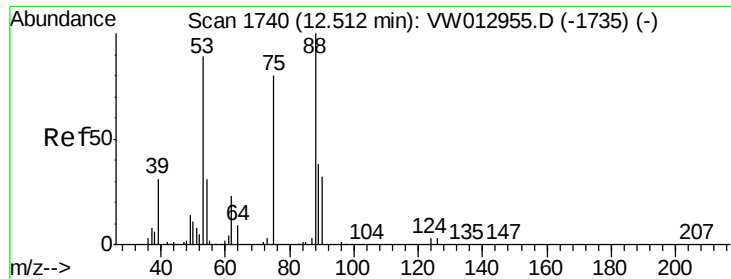
Tgt Ion:105 Resp: 220150

Ion Ratio Lower Upper

105 100

120 48.0 24.2 72.6





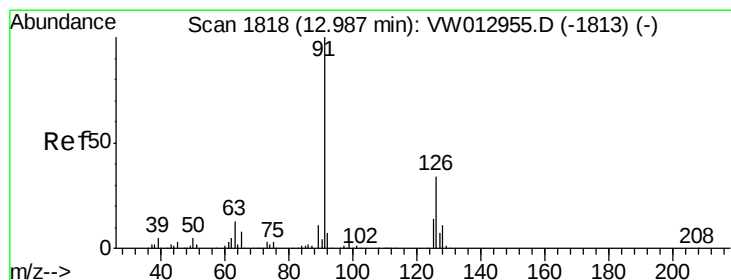
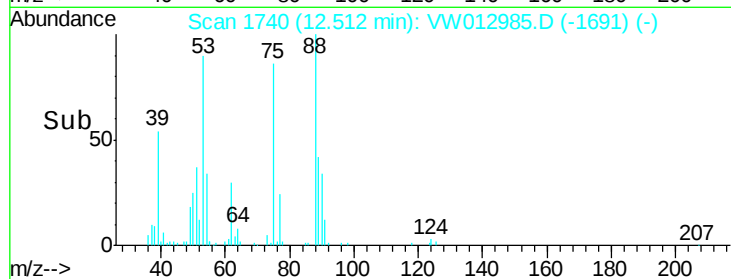
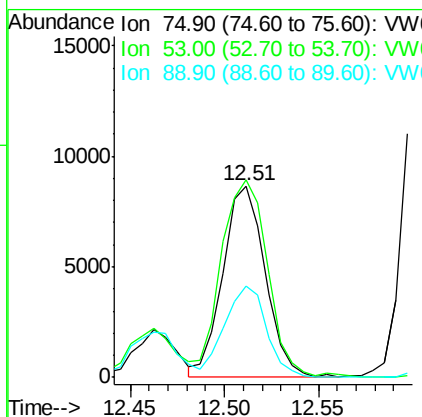
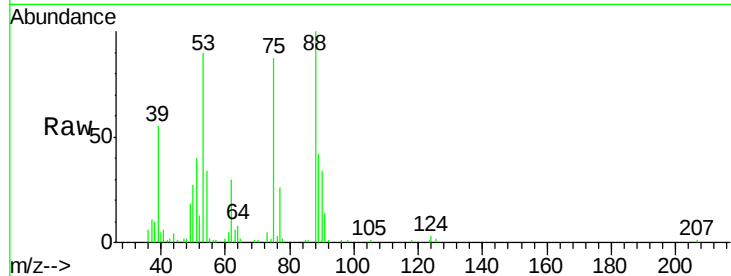
#81
trans-1,4-Dichloro-2-butene
Concen: 18.336 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.4	85.6	128.4
89	46.9	37.2	55.8

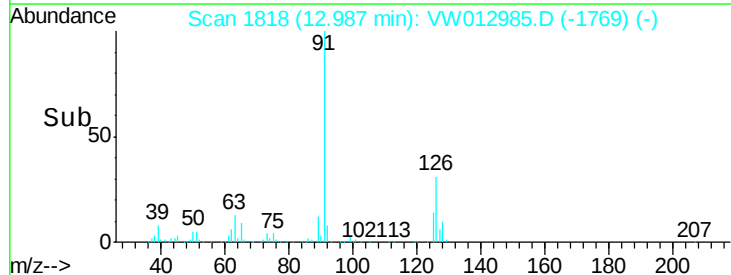
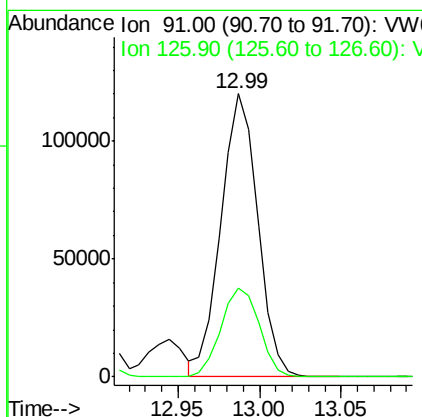
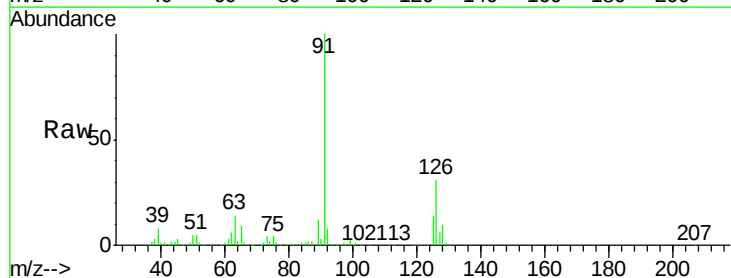
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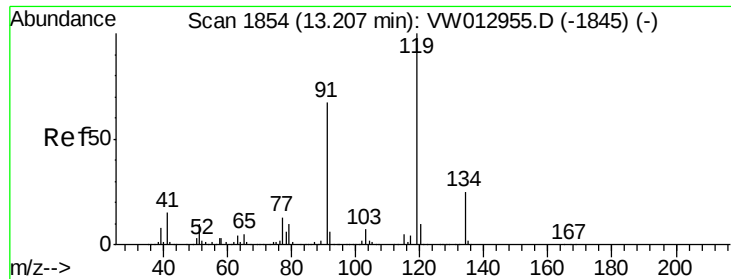
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#82
4-Chlorotoluene
Concen: 20.759 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.1	48.3





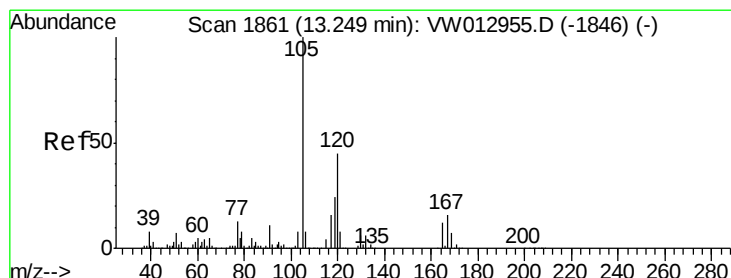
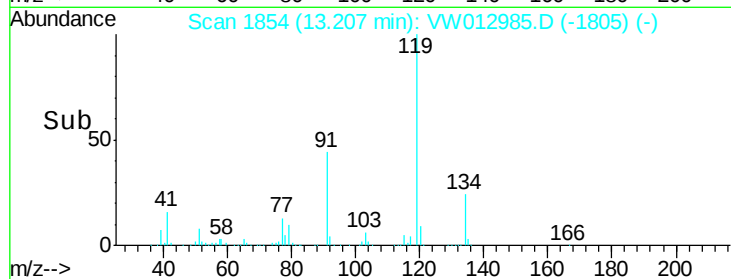
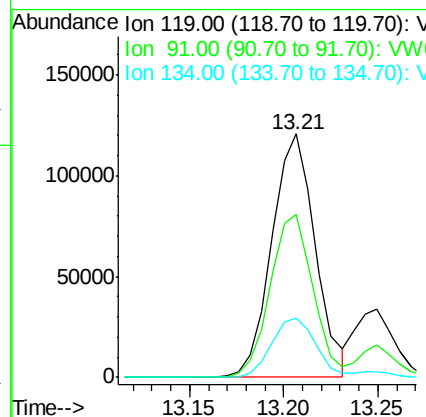
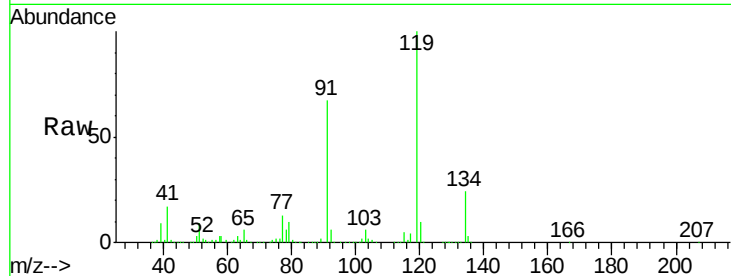
#83
tert-Butylbenzene
Concen: 20.096 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193022		
91	66.2	32.6	98.0	
134	25.1	12.4	37.4	

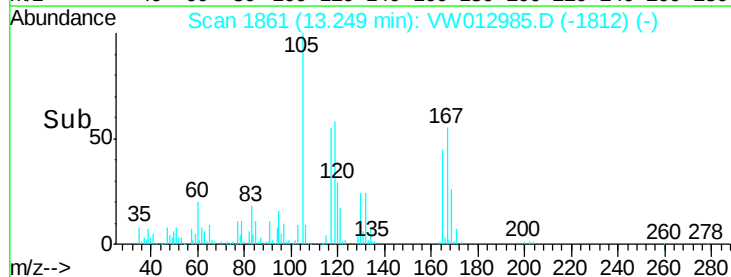
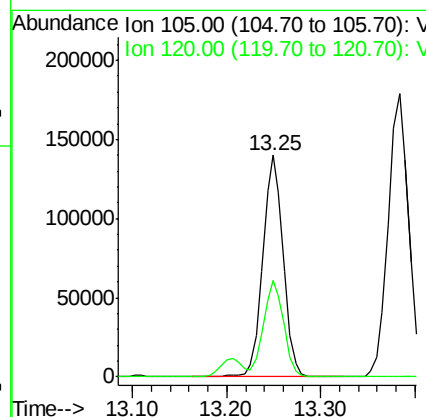
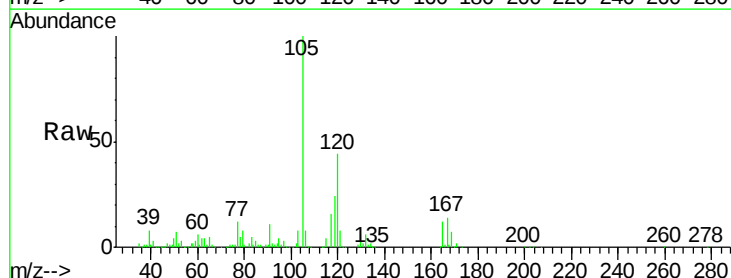
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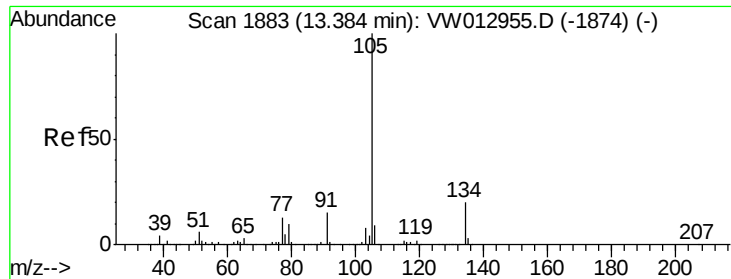
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#84
1,2,4-Trimethylbenzene
Concen: 20.190 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	214240		
120	42.7	21.9	65.7	





#85

sec-Butylbenzene

Concen: 20.583 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

Instrument :

MSVOA_W

ClientSampleId :

VW0915SBS01

Tot Ion:105 Resp: 269361

Ion Ratio Lower Upper

105 100

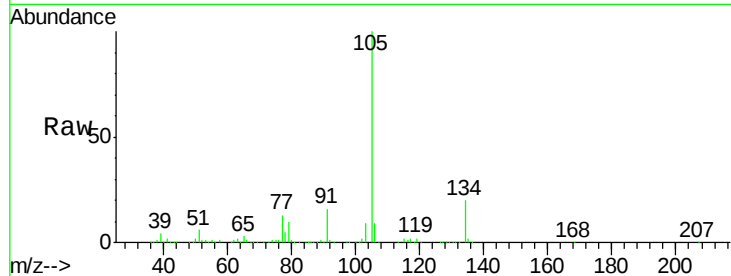
134 20.0 10.2 30.4

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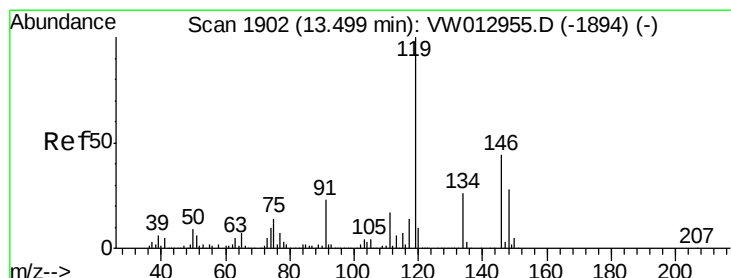
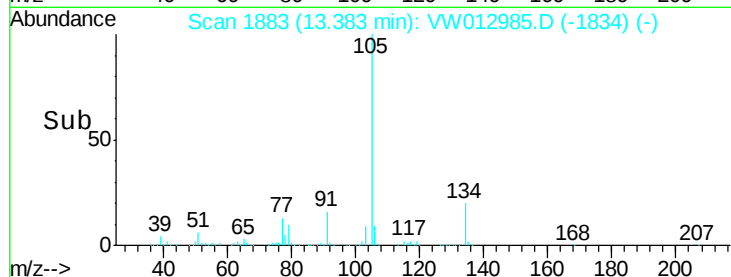
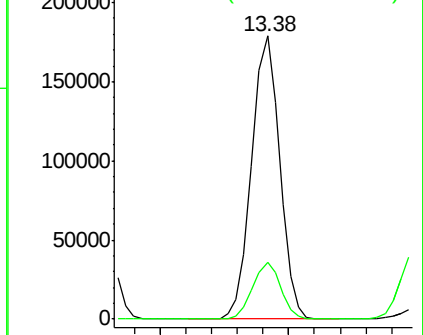
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.840 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012985.D

Acq: 14 Sep 2019 11:37

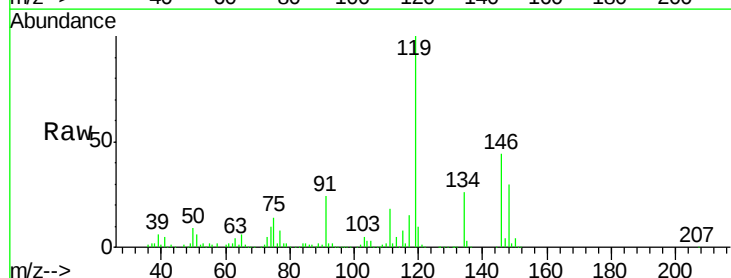
Tgt Ion:119 Resp: 250384

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

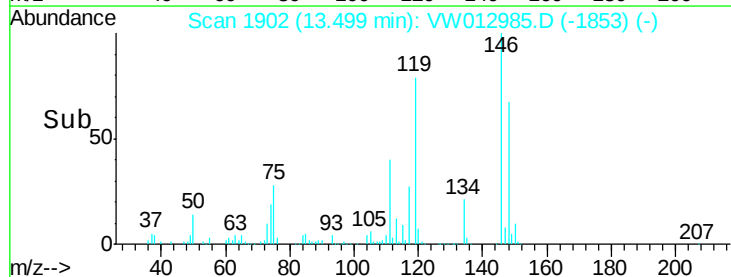
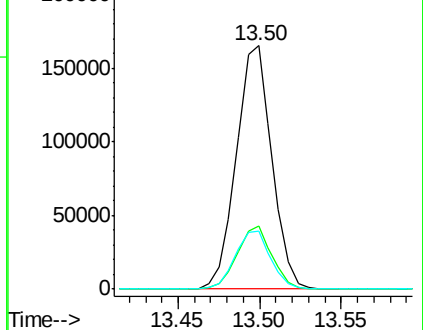
91 23.9 11.8 35.4

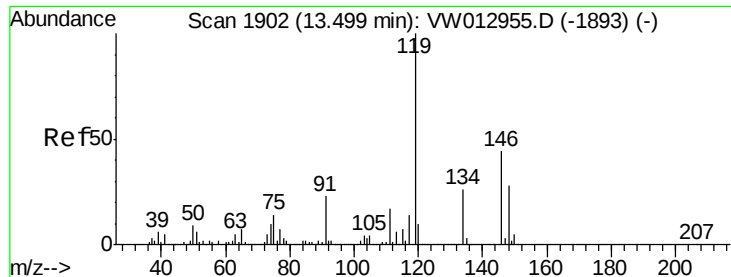


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





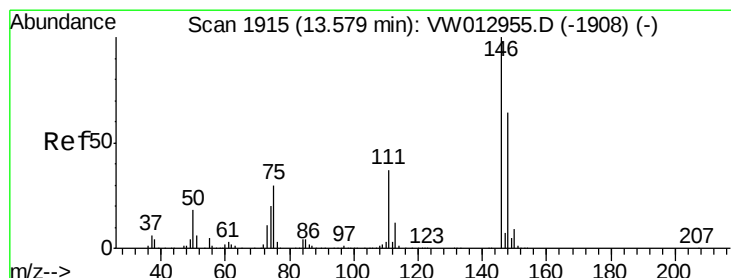
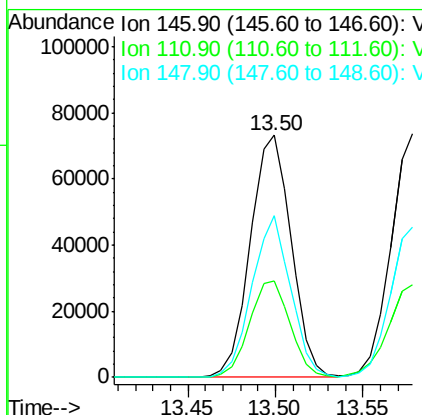
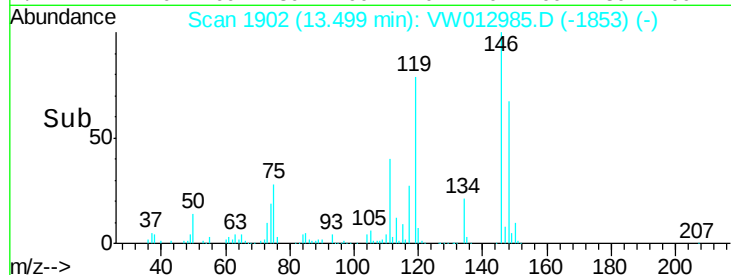
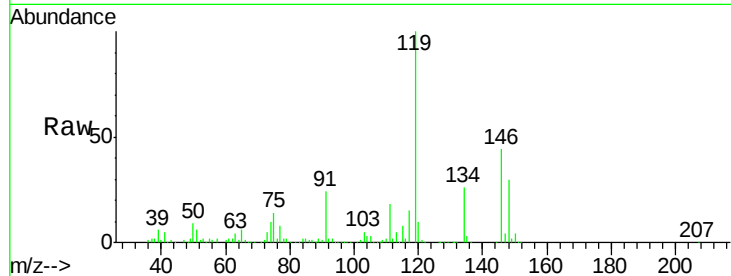
#87
 1,3-Dichlorobenzene
 Concen: 20.517 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118766		
111	39.8	19.8	59.4	
148	63.4	31.9	95.7	

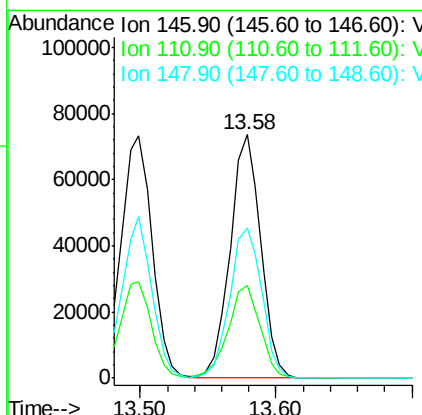
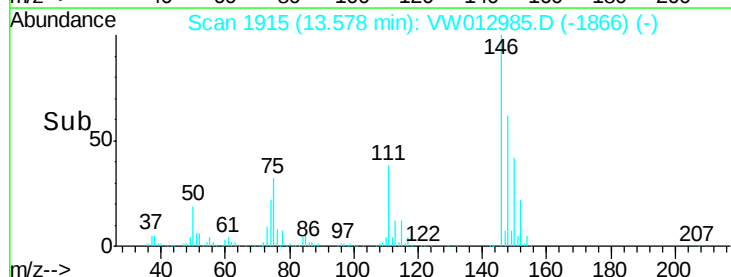
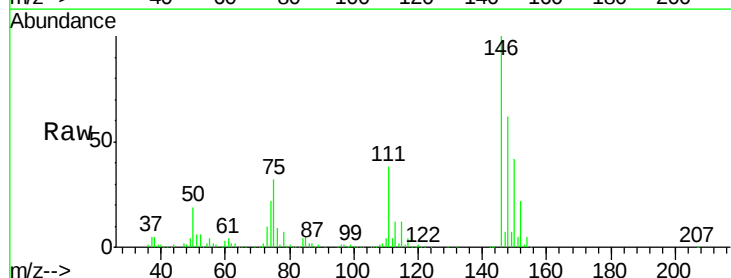
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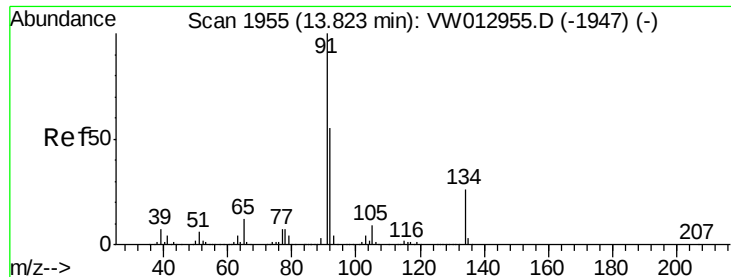
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#88
 1,4-Dichlorobenzene
 Concen: 20.203 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114922		
111	39.9	19.4	58.2	
148	64.5	31.9	95.5	





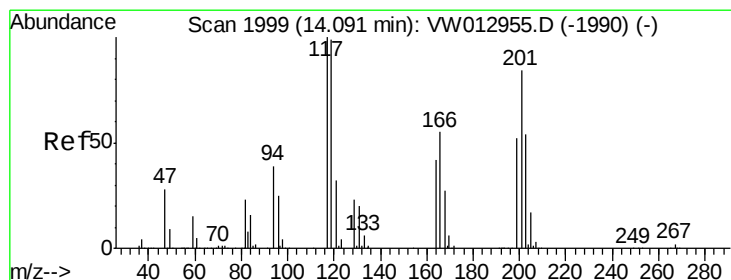
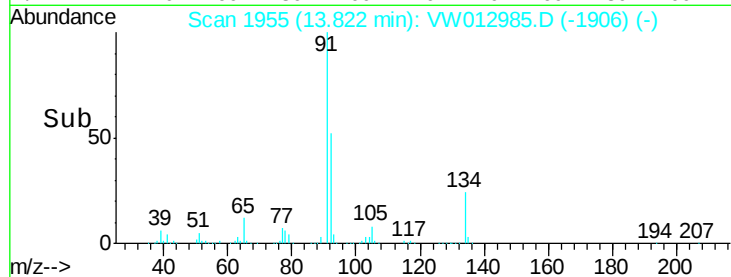
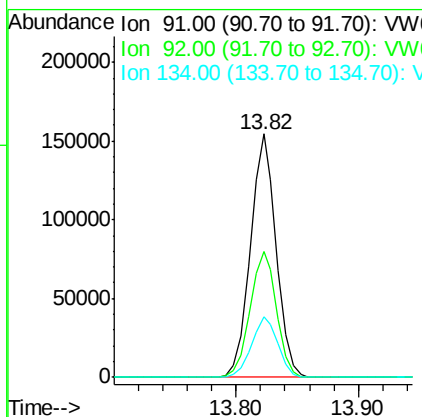
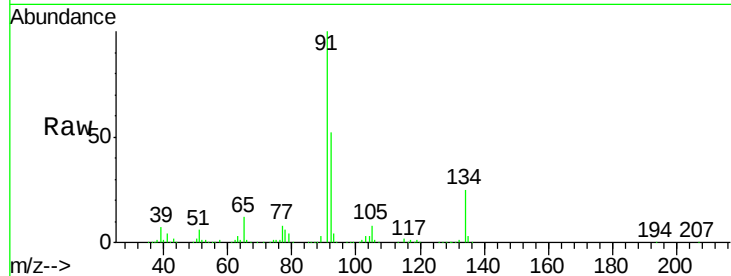
#89
n-Butylbenzene
Concen: 19.881 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.0	27.2	81.5	
134	25.5	13.1	39.1	

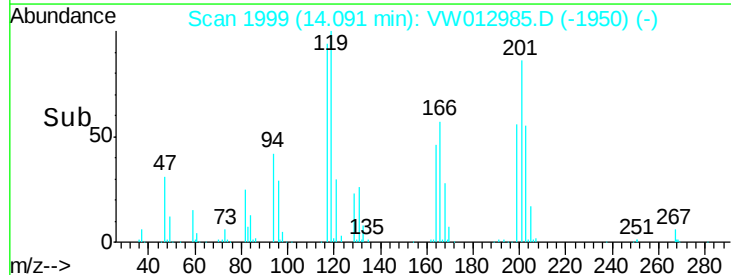
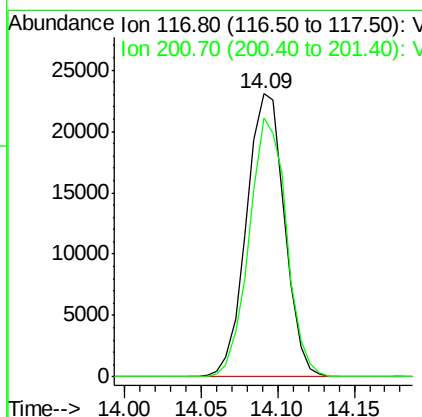
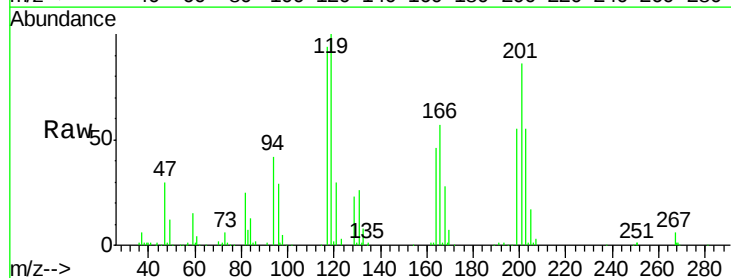
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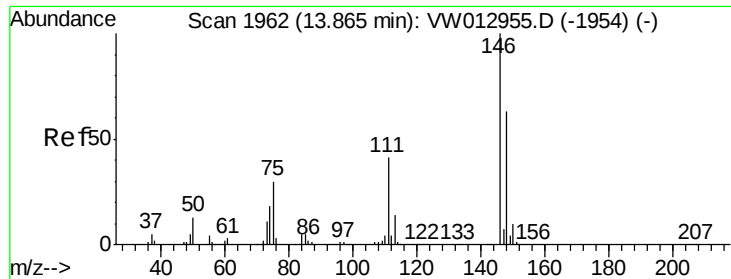
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#90
Hexachloroethane
Concen: 18.554 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.7	45.3	135.9	





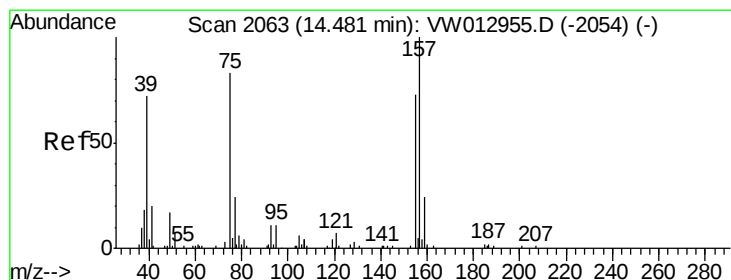
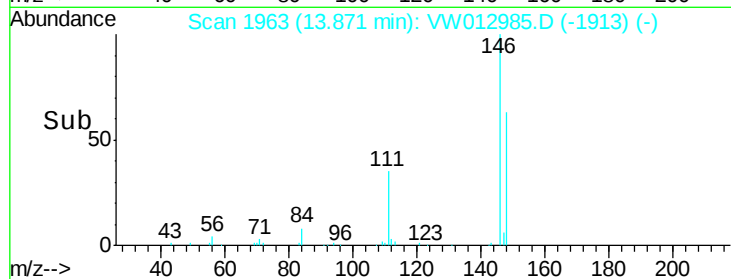
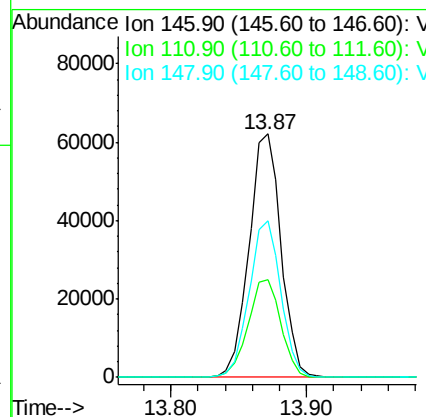
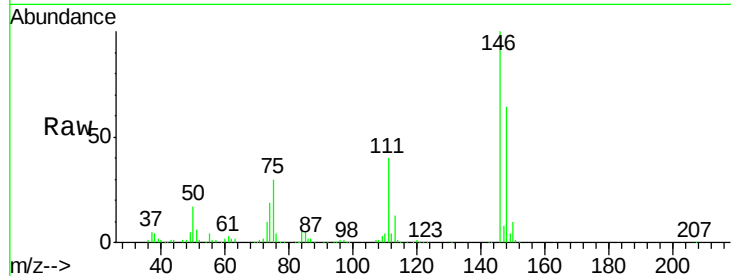
#91
 1,2-Dichlorobenzene
 Concen: 20.069 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	102160		
111	41.4	20.8	62.5	
148	63.8	32.7	98.1	

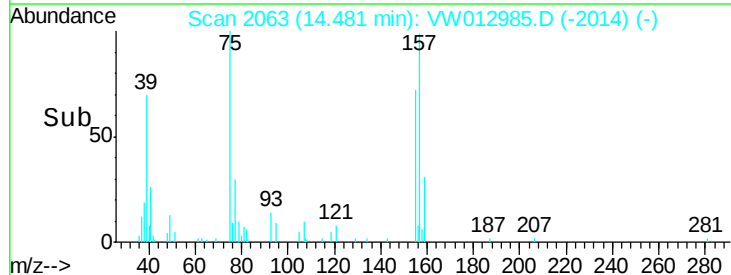
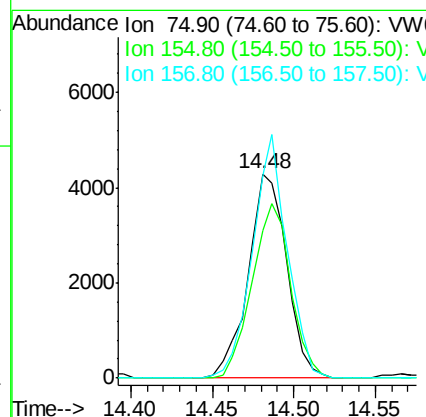
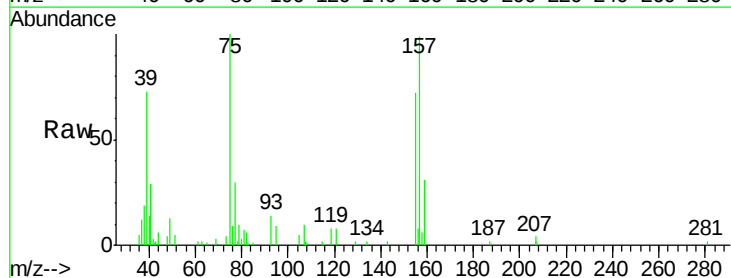
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.352 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7081		
155	85.0	43.3	129.9	
157	107.1	54.7	164.1	





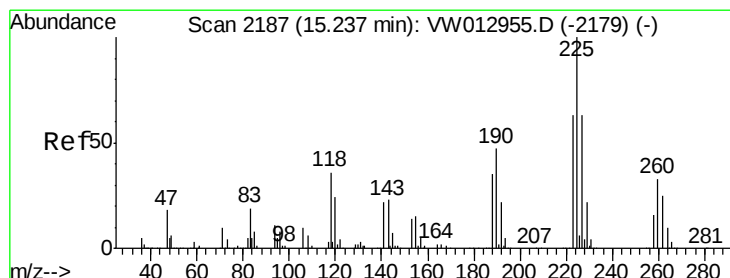
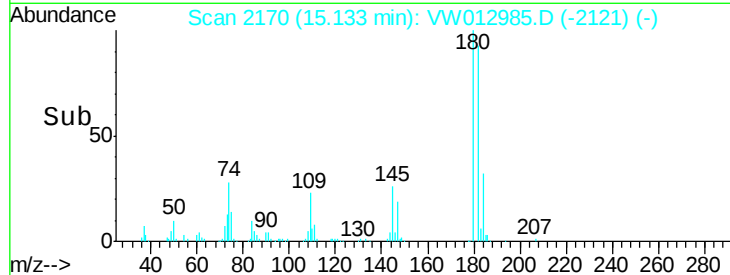
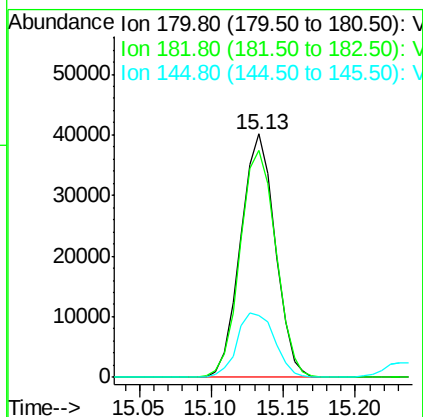
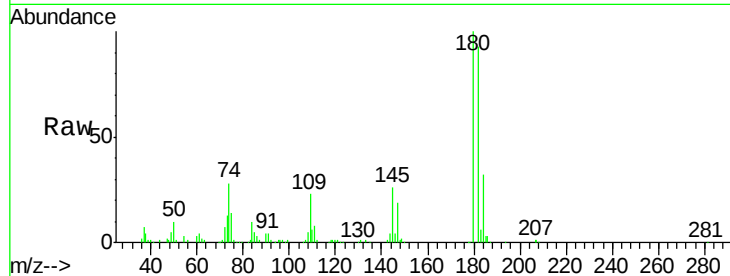
#93
 1,2,4-Trichlorobenzene
 Concen: 18.384 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66741		
182	96.6	47.4	142.2	
145	29.0	14.9	44.7	

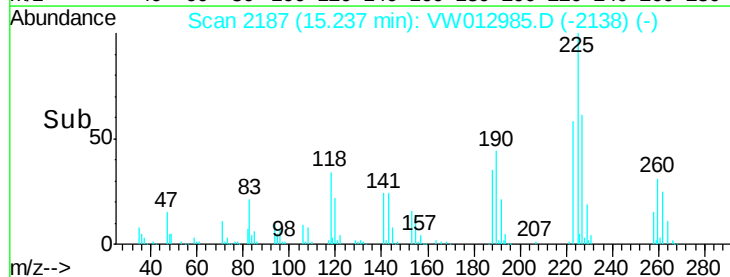
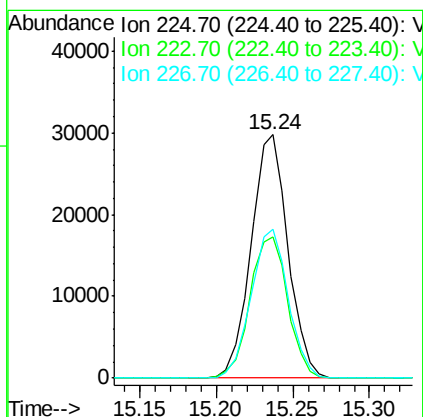
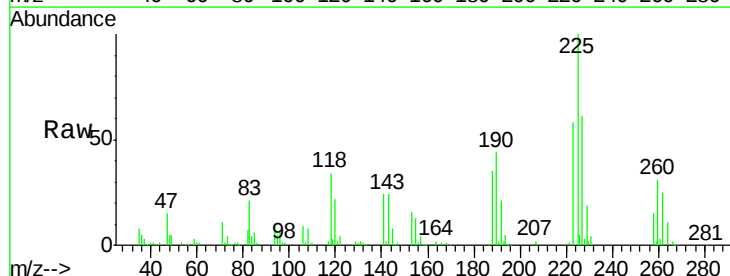
Manual Integrations
 APPROVED

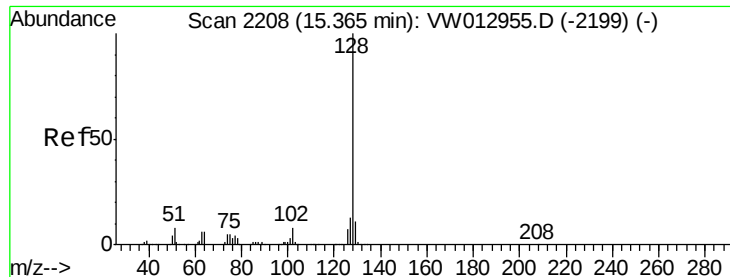
MMDadoda
 9/16/2019 11:13:27 AM



#94
 Hexachlorobutadiene
 Concen: 19.416 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012985.D
 Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49900		
223	59.5	31.8	95.3	
227	61.7	31.3	93.8	





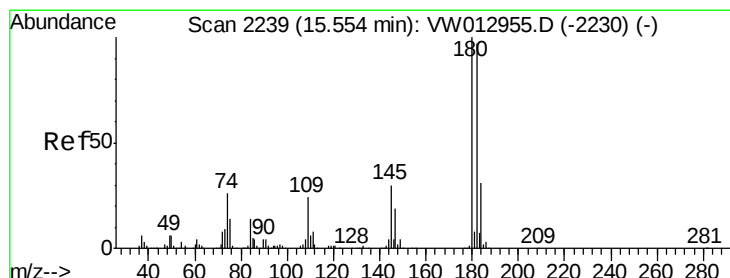
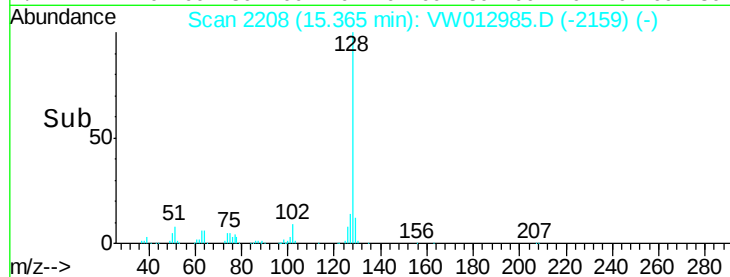
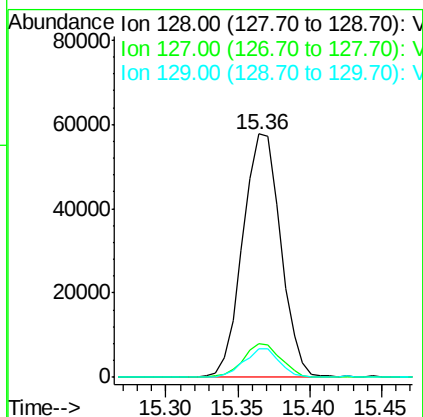
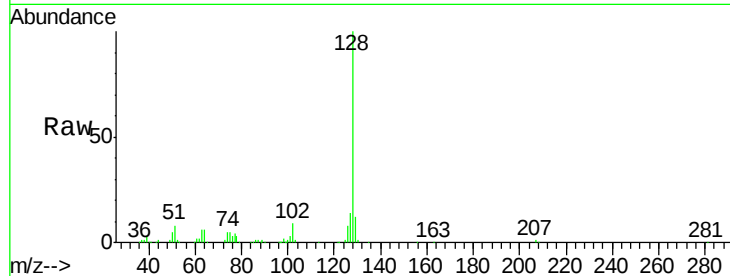
#95
Naphthalene
Concen: 17.399 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Instrument :
MSVOA_W
ClientSampleId :
VW0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	105543		
127	13.6		11.0	16.6
129	11.2		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:13:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.088 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012985.D
Acq: 14 Sep 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58047		
182	92.6		47.6	142.8
145	30.4		15.4	46.2

