

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013033.D
 Acq On : 16 Sep 2019 11:40
 Operator : SY/VA
 Sample : VW0916SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:00:48 PM

Quant Time: Sep 16 12:34:23 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	300953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	134161	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.88	113	114072	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.32	98	464387	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	164633	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27004	20.830	ug/l	94
3) Chloromethane	2.21	50	37349	23.187	ug/l	99
4) Vinyl Chloride	2.35	62	47239	21.930	ug/l	91
5) Bromomethane	2.77	94	27176	20.658	ug/l	93
6) Chloroethane	2.90	64	26297	19.904	ug/l	95
7) Trichlorofluoromethane	3.24	101	27315	18.133	ug/l	91
8) Diethyl Ether	3.68	74	24265	20.630	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43776	19.161	ug/l	98
10) Methyl Iodide	4.26	142	59780	20.908	ug/l	97
11) Tert butyl alcohol	5.22	59	20037m	93.371	ug/l	
12) 1,1-Dichloroethene	4.03	96	42605	20.509	ug/l	94
13) Acrolein	3.89	56	23702	111.799	ug/l	99
14) Allyl chloride	4.65	41	83203	21.098	ug/l	96
15) Acrylonitrile	5.37	53	66067	109.974	ug/l	96
16) Acetone	4.13	43	70093	104.869	ug/l	98
17) Carbon Disulfide	4.37	76	85974	20.768	ug/l	99
18) Methyl Acetate	4.67	43	37508	23.686	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	86804	21.169	ug/l	94
20) Methylene Chloride	4.91	84	50725	19.417	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45678	20.530	ug/l	99
22) Diisopropyl ether	6.31	45	168878	20.613	ug/l	99
23) Vinyl Acetate	6.24	43	532114	108.440	ug/l	99
24) 1,1-Dichloroethane	6.21	63	93914	19.881	ug/l	96
25) 2-Butanone	7.17	43	101199	114.502	ug/l	96
26) 2,2-Dichloropropane	7.16	77	62606	18.119	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54060	20.295	ug/l	99
28) Bromochloromethane	7.51	49	37500	18.861	ug/l	100
29) Tetrahydrofuran	7.53	42	58443	116.054	ug/l	99
30) Chloroform	7.67	83	93432	19.466	ug/l	95
31) Cyclohexane	7.95	56	84383	21.362	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	74673	18.892	ug/l	98
36) 1,1-Dichloropropene	8.08	75	69842	20.042	ug/l	98
37) Ethyl Acetate	7.25	43	41263	22.308	ug/l	99
38) Carbon Tetrachloride	8.06	117	67450	18.888	ug/l	95

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MMDadoda
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 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)
39) Methylcyclohexane	9.33	83	82093	21.498	ug/l	96
40) Benzene	8.32	78	197040	20.254	ug/l	100
41) Methacrylonitrile	7.48	41	24705	20.282	ug/l	96
42) 1,2-Dichloroethane	8.40	62	64427	19.756	ug/l	98
43) Isopropyl Acetate	8.42	43	77590	21.847	ug/l	99
44) Trichloroethene	9.09	130	53014	19.895	ug/l	95
45) 1,2-Dichloropropane	9.37	63	51578	19.955	ug/l	98
46) Dibromomethane	9.46	93	25151	20.311	ug/l	97
47) Bromodichloromethane	9.64	83	68009	19.580	ug/l	97
48) Methyl methacrylate	9.43	41	36882	22.128	ug/l	97
49) 1,4-Dioxane	9.46	88	9403	453.170	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	209245	114.122	ug/l	100
52) Toluene	10.38	92	124658	20.166	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72183	20.663	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	81919	20.495	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	39799	21.098	ug/l	96
56) Ethyl methacrylate	10.65	69	54317	21.392	ug/l	99
57) 1,3-Dichloropropane	10.93	76	69936	20.899	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	146193	107.330	ug/l	100
59) 2-Hexanone	10.97	43	146122	114.453	ug/l	100
60) Dibromochloromethane	11.13	129	44771	19.631	ug/l	94
61) 1,2-Dibromoethane	11.23	107	37033	21.520	ug/l	100
64) Tetrachloroethene	10.86	164	43964	19.450	ug/l	96
65) Chlorobenzene	11.66	112	134887	19.931	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49451	19.067	ug/l	99
67) Ethyl Benzene	11.73	91	251571	20.127	ug/l	99
68) m/p-Xylenes	11.83	106	181900	39.837	ug/l	100
69) o-Xylene	12.16	106	85917	20.070	ug/l	99
70) Styrene	12.18	104	150748	19.796	ug/l	99
71) Bromoform	12.35	173	27493	20.181	ug/l	99
73) Isopropylbenzene	12.46	105	250482	19.303	ug/l	99
74) N-amyl acetate	12.27	43	70619	21.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47290	20.750	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	38051m	22.190	ug/l	
77) Bromobenzene	12.74	156	58132	19.446	ug/l	98
78) n-propylbenzene	12.80	91	297397	19.484	ug/l	100
79) 2-Chlorotoluene	12.89	91	166454	18.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	212925	19.396	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16174	21.397	ug/l	95
82) 4-Chlorotoluene	12.99	91	176408	19.055	ug/l	100
83) tert-Butylbenzene	13.21	119	191904	19.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	209840	19.344	ug/l	99
85) sec-Butylbenzene	13.38	105	257708	19.263	ug/l	100
86) p-Isopropyltoluene	13.50	119	238322	19.403	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	114679	19.379	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112793	19.396	ug/l	99
89) n-Butylbenzene	13.82	91	223642	19.307	ug/l	99
90) Hexachloroethane	14.09	117	39250	17.832	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	100242	19.262	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8858	21.234	ug/l	93

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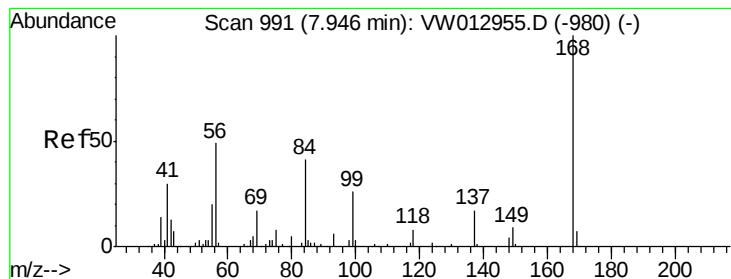
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74319	20.025	ug/l	99
94) Hexachlorobutadiene	15.23	225	49528	18.851	ug/l	99
95) Naphthalene	15.36	128	131583	21.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	65169	19.864	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tot Ion:168 Resp: 300953

Ion Ratio Lower Upper

168 100

99 53.2 46.2 69.2

Instrument :

MSVOA_W

ClientSampleId :

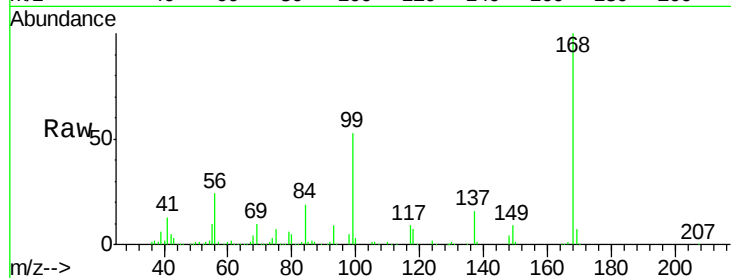
VW0916SBS01

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

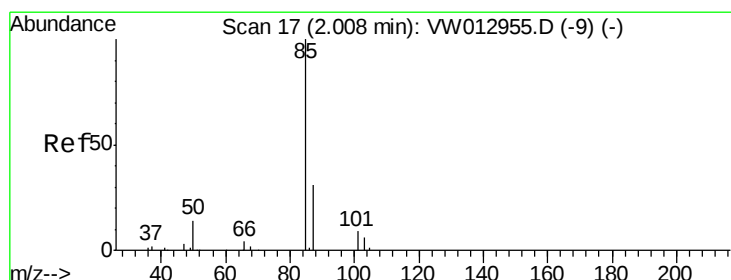
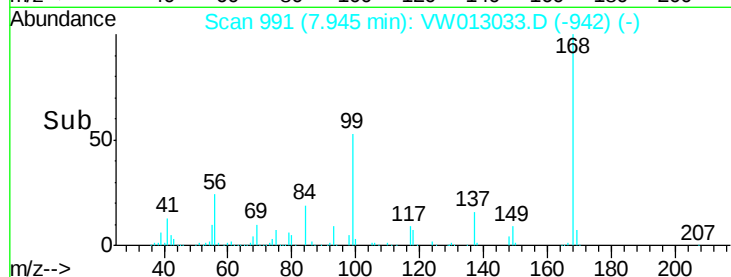
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.830 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013033.D

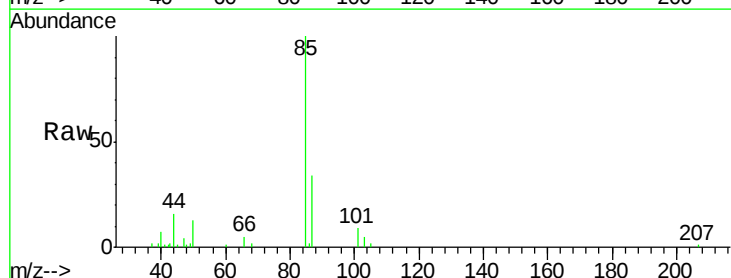
Acq: 16 Sep 2019 11:40

Tgt Ion: 85 Resp: 27004

Ion Ratio Lower Upper

85 100

87 34.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

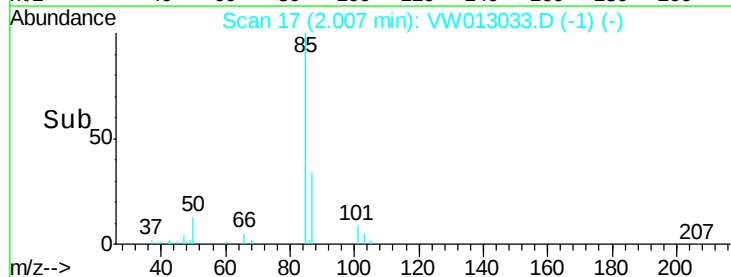
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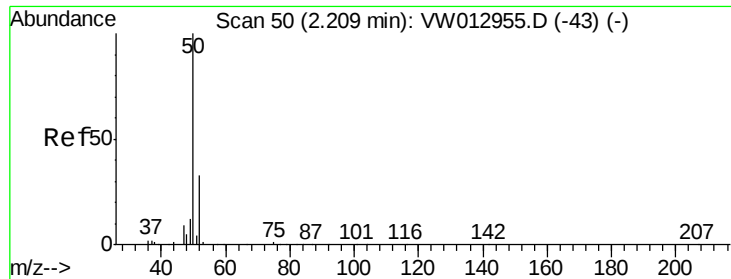
4000

2000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 23.187 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS01

Tot Ion: 50 Resp: 37349

Ion Ratio Lower Upper

50 100

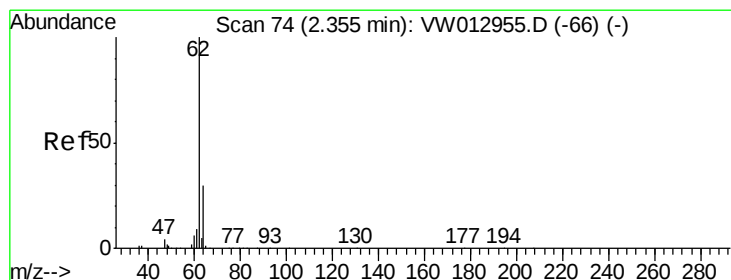
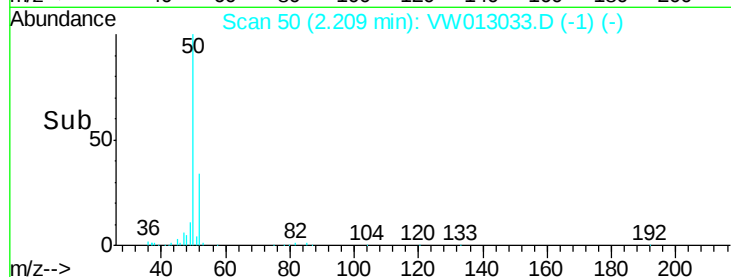
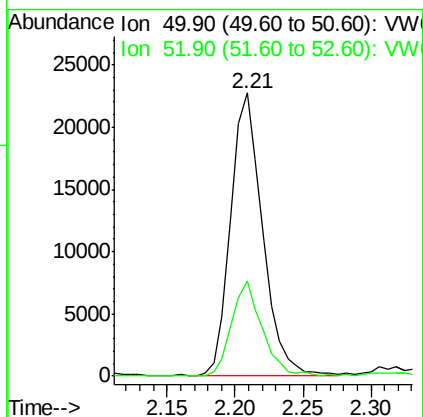
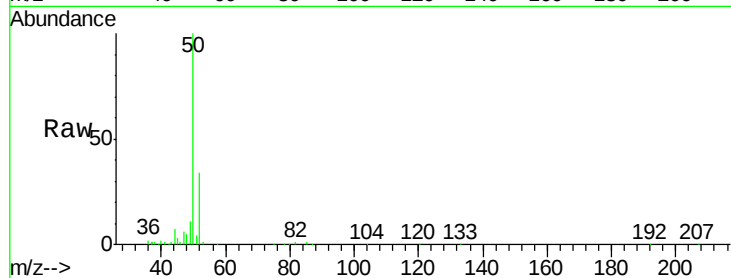
52 33.8 26.6 39.8

Manual Integrations

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9/18/2019 2:00:48 PM



#4

Vinyl Chloride

Concen: 21.930 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013033.D

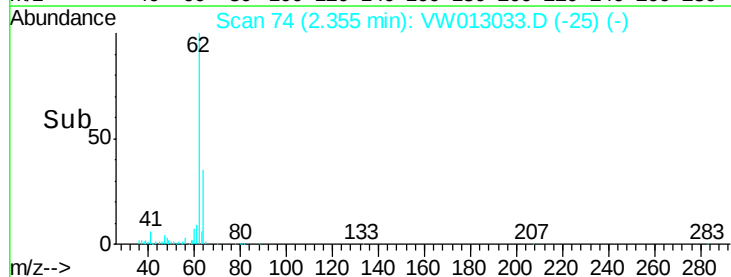
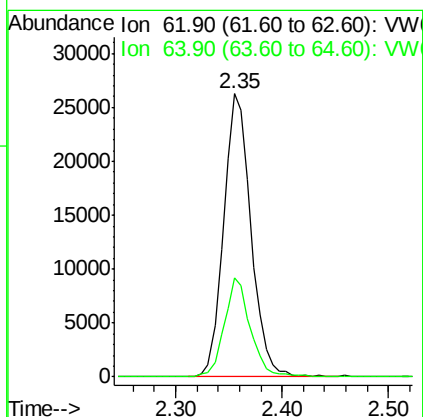
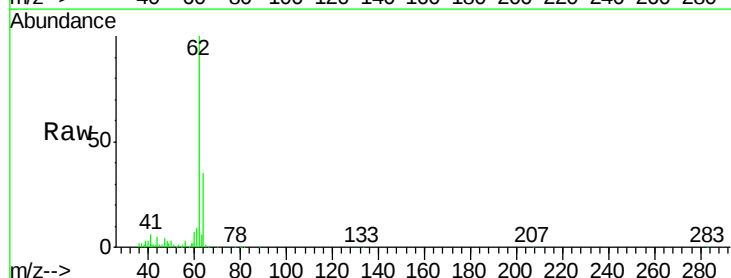
Acq: 16 Sep 2019 11:40

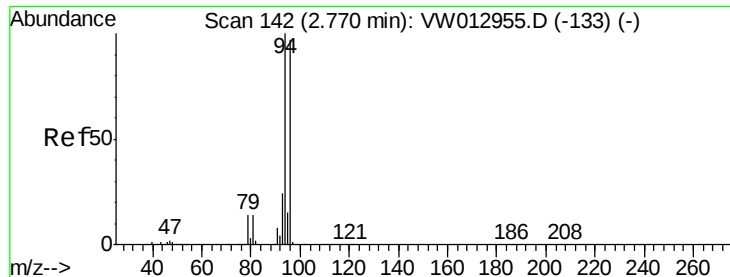
Tgt Ion: 62 Resp: 47239

Ion Ratio Lower Upper

62 100

64 35.1 24.2 36.4





#5

Bromomethane

Concen: 20.658 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS01

Tot Ion: 94 Resp: 27176

Ion Ratio Lower Upper

94 100

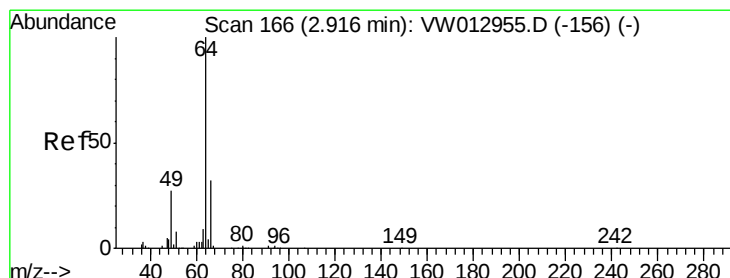
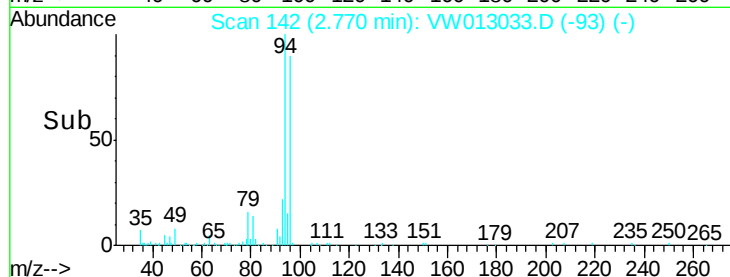
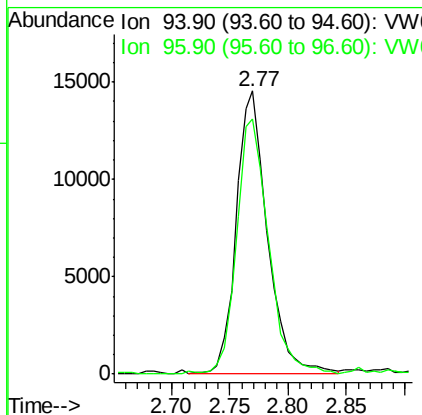
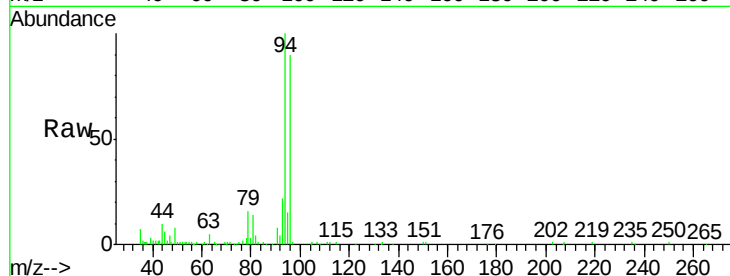
96 90.3 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 19.904 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW013033.D

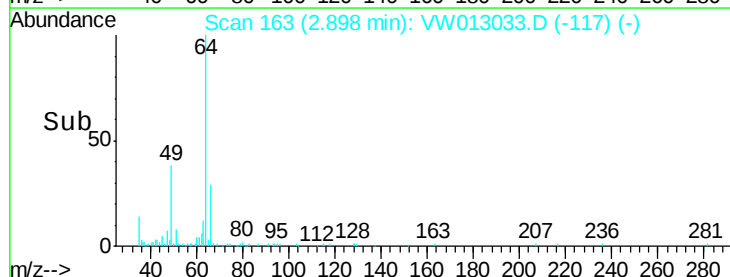
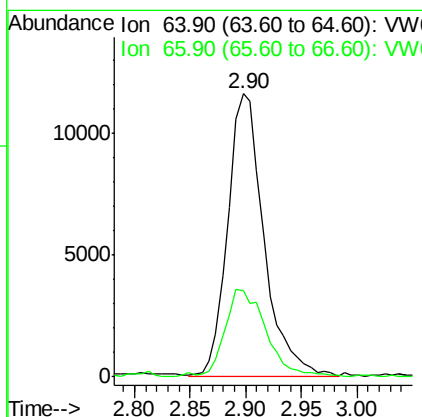
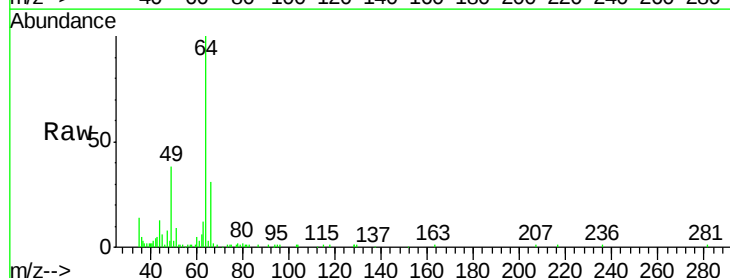
Acq: 16 Sep 2019 11:40

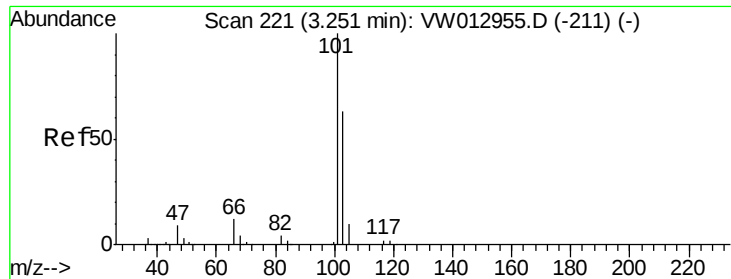
Tgt Ion: 64 Resp: 26297

Ion Ratio Lower Upper

64 100

66 29.8 25.9 38.9





#7

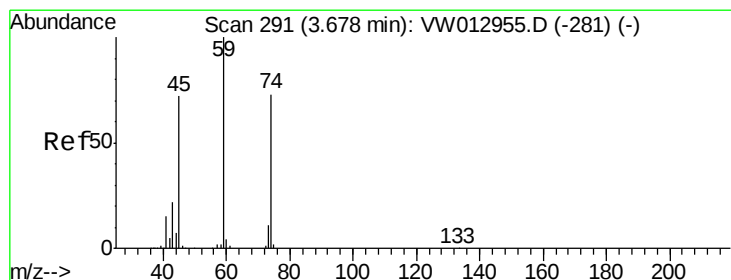
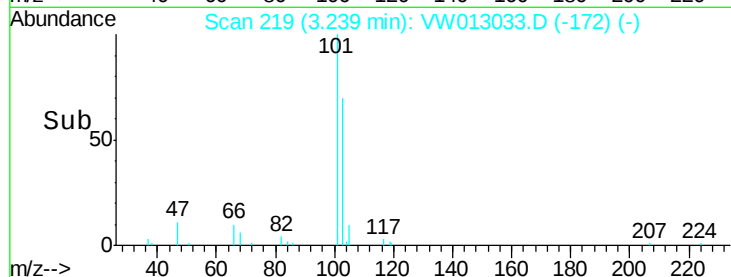
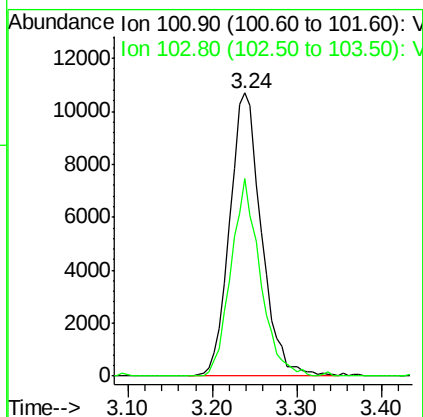
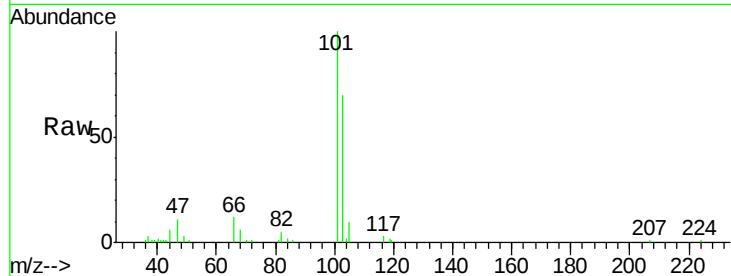
Trichlorofluoromethane
 Concen: 18.133 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
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 VW0916SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		27315		
103	70.0	50.7	76.1		

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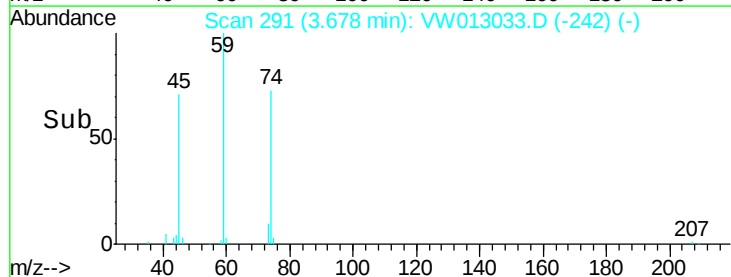
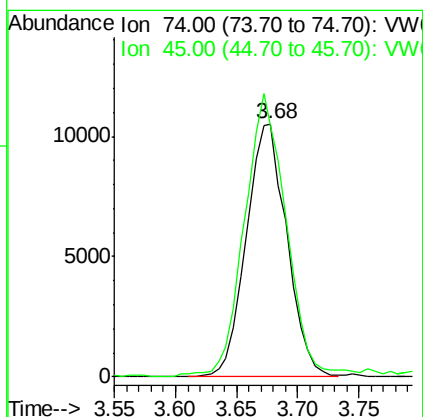
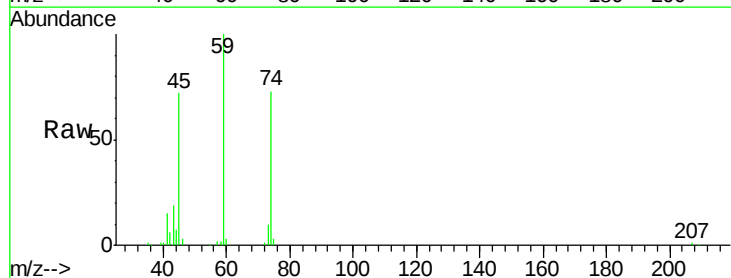
MMDadoda
 9/18/2019 2:00:48 PM

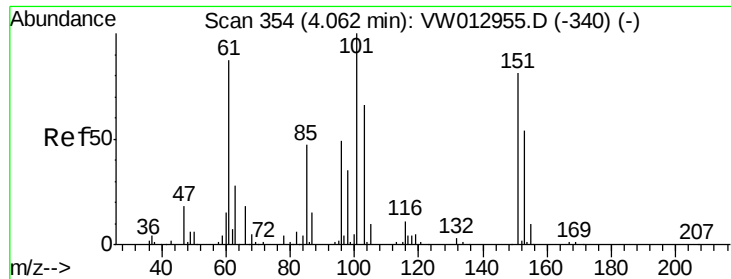


#8

Diethyl Ether
 Concen: 20.630 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		24265		
45	115.7	53.8	161.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.161 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

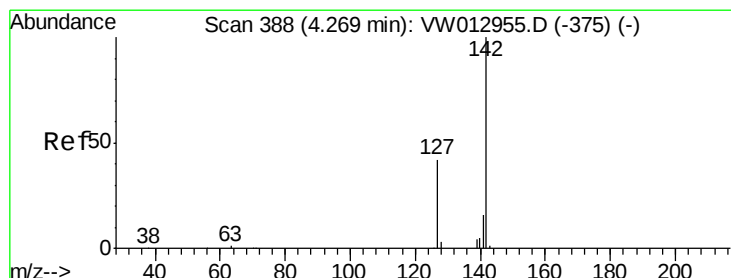
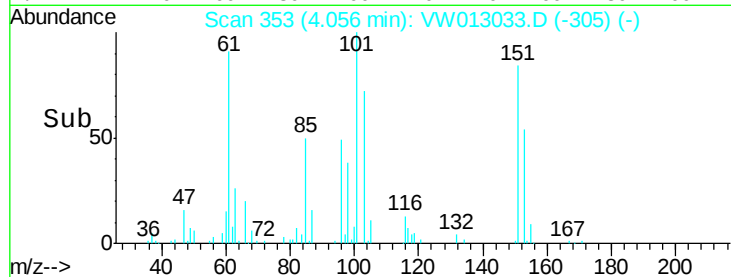
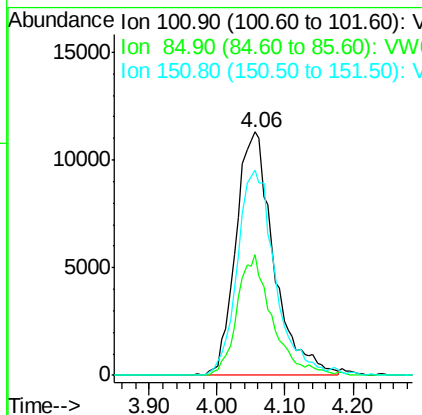
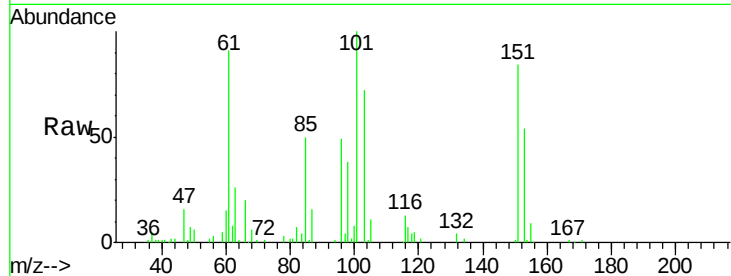
ClientSampleId :

VW0916SBS01

Tot Ion:	101	Resp:	43776
Ion Ratio	Lower	Upper	
101	100		
85	45.5	34.9	52.3
151	83.7	66.0	99.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.908 ug/l

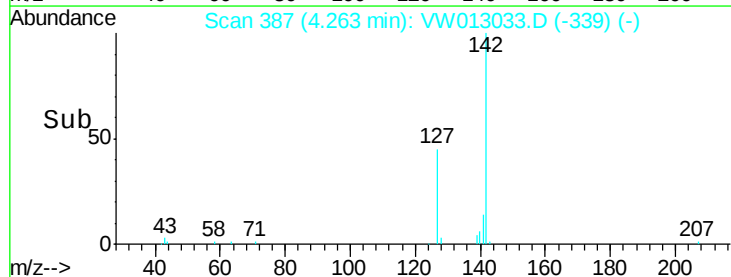
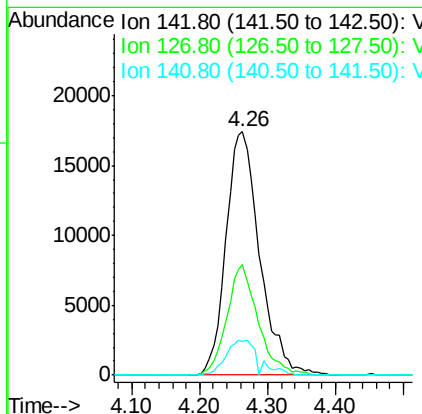
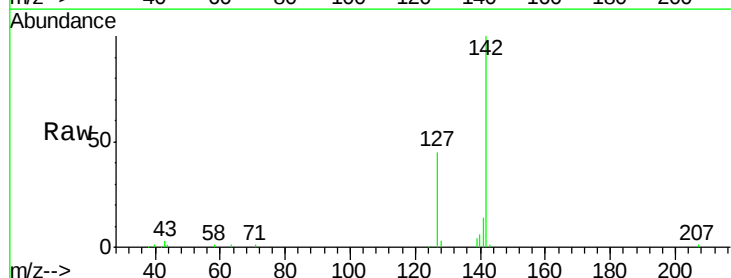
RT: 4.26 min Scan# 387

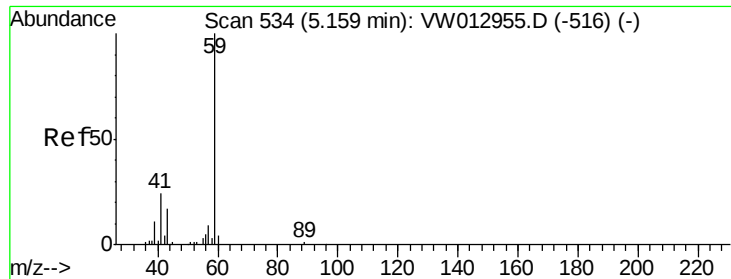
Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion:	142	Resp:	59780
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.7	52.1
141	13.8	12.2	18.2





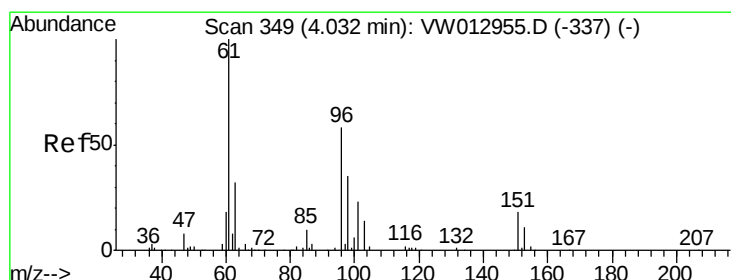
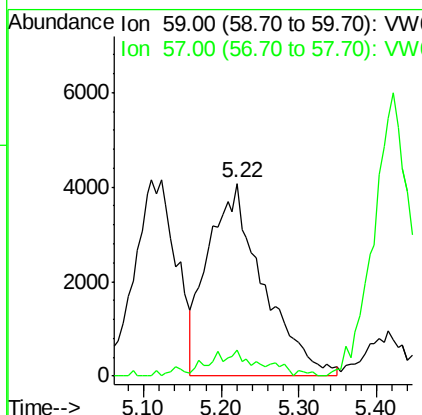
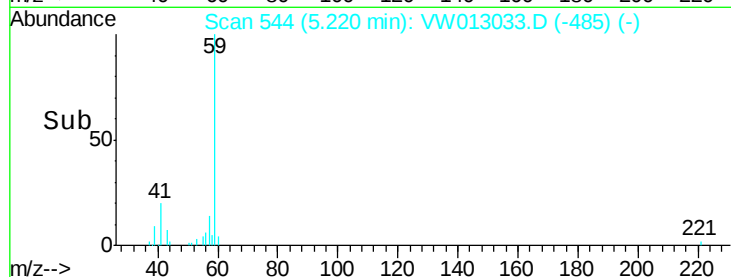
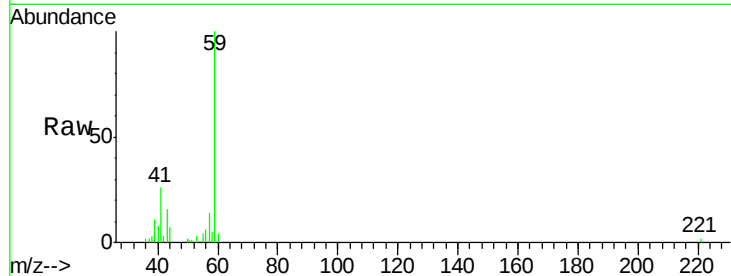
#11
Tert butyl alcohol
Concen: 93.371 ug/l m
RT: 5.22 min Scan# 544
Delta R.T. 0.06 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion: 59 Resp: 20037
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

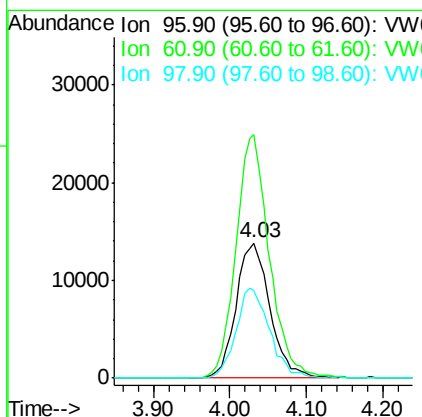
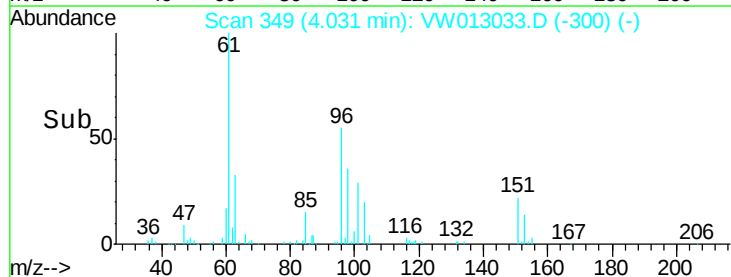
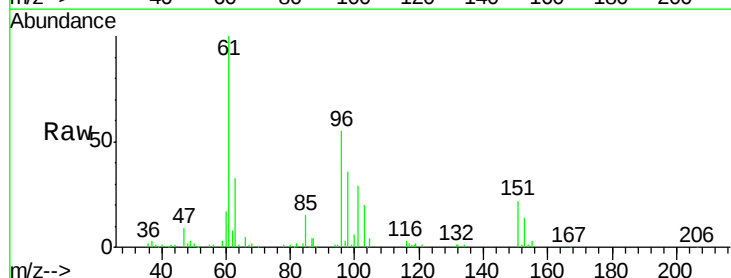
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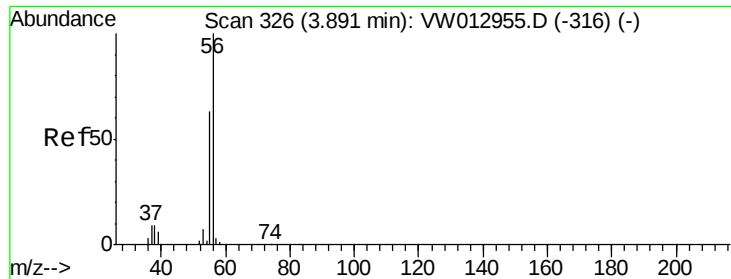
MMDadoda
9/18/2019 2:00:48 PM



#12
1,1-Dichloroethene
Concen: 20.509 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 96 Resp: 42605
Ion Ratio Lower Upper
96 100
61 180.4 137.9 206.9
98 64.9 48.9 73.3





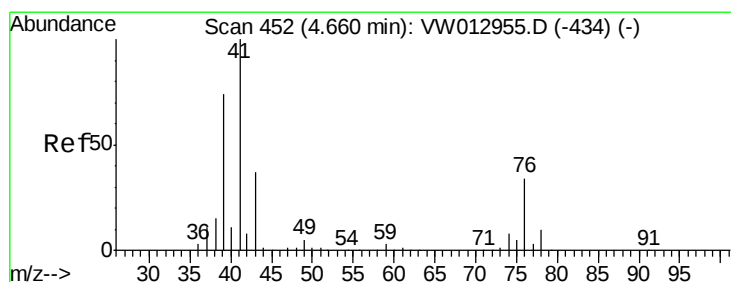
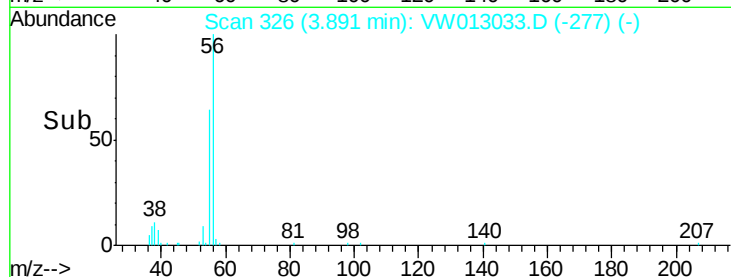
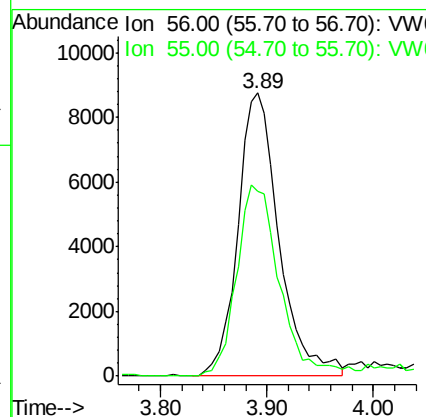
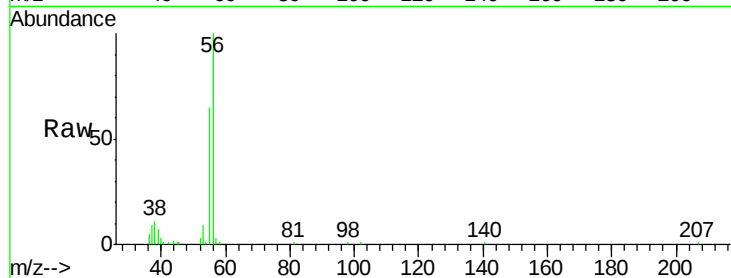
#13
Acrolein
Concen: 111.799 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	55.8	83.8

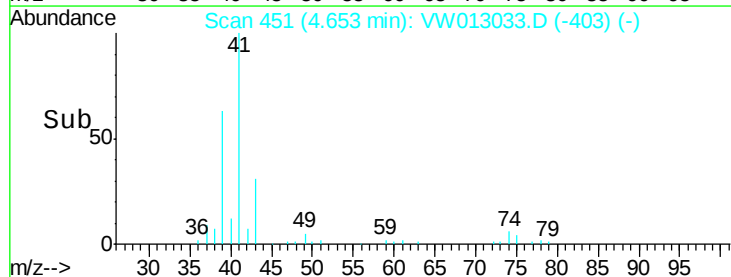
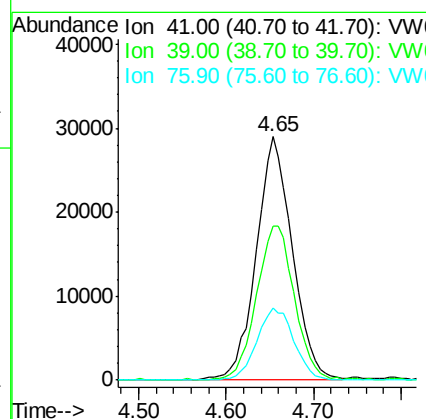
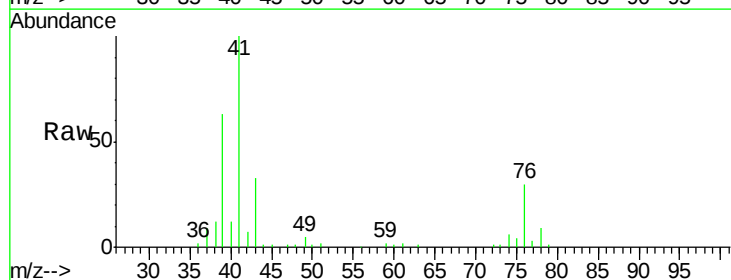
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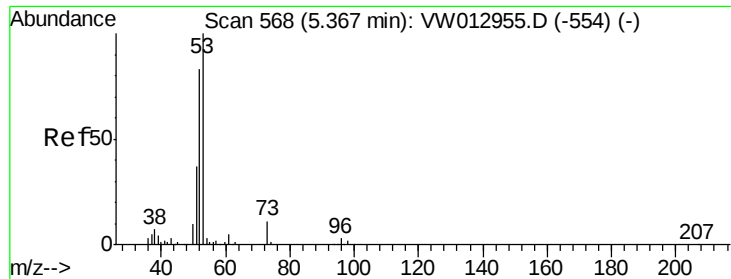
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#14
Allyl chloride
Concen: 21.098 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.5	56.7	85.1
76	30.3	25.1	37.7





#15

Acrylonitrile

Concen: 109.974 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

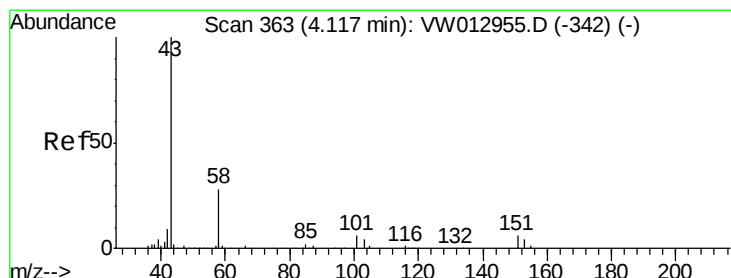
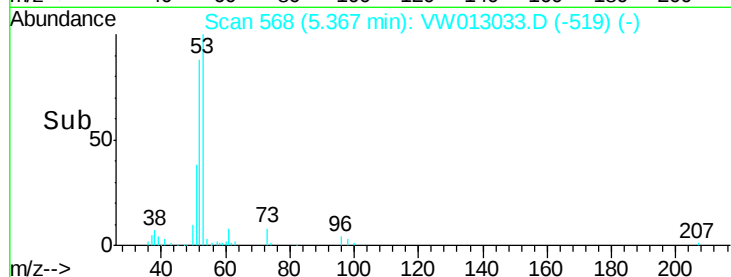
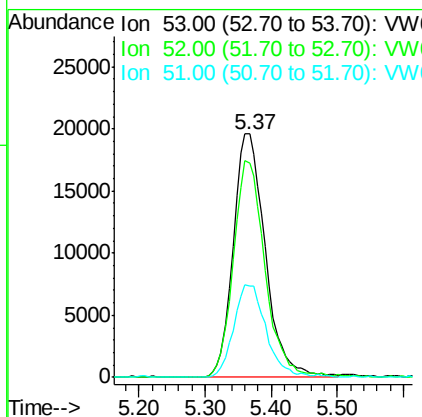
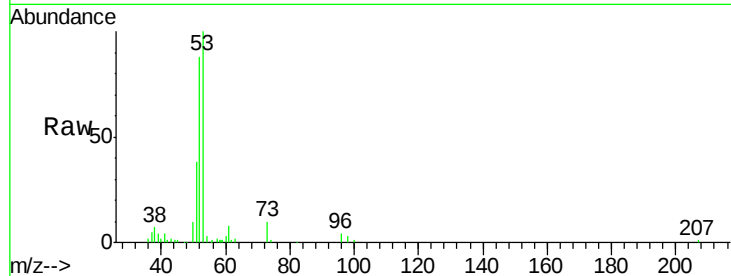
ClientSampleId :

VW0916SBS01

Tot Ion:	53	Resp:	66067
Ion Ratio	Lower	Upper	
53	100		
52	87.5	66.6	100.0
51	38.3	29.8	44.8

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#16

Acetone

Concen: 104.869 ug/l

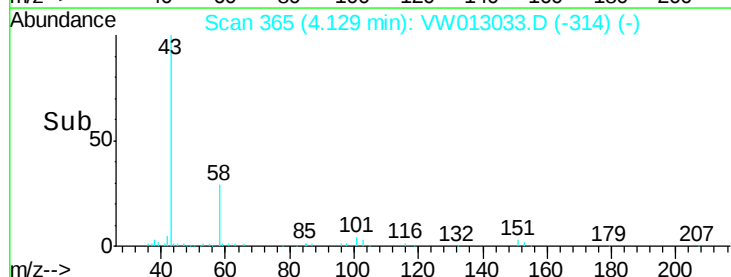
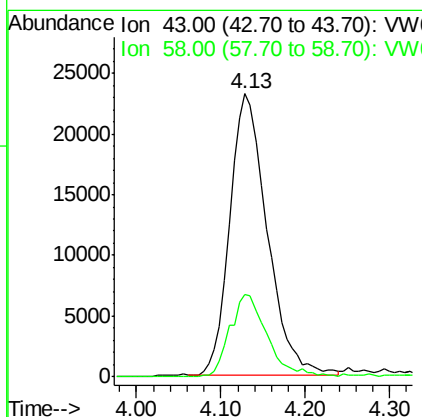
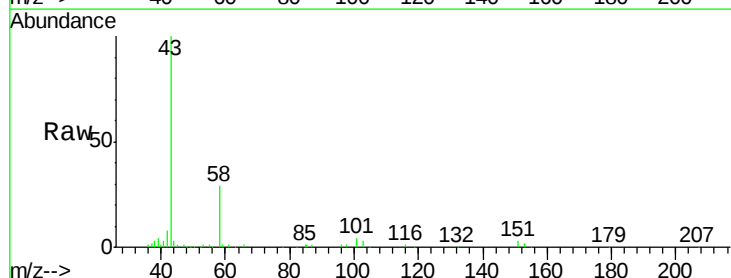
RT: 4.13 min Scan# 365

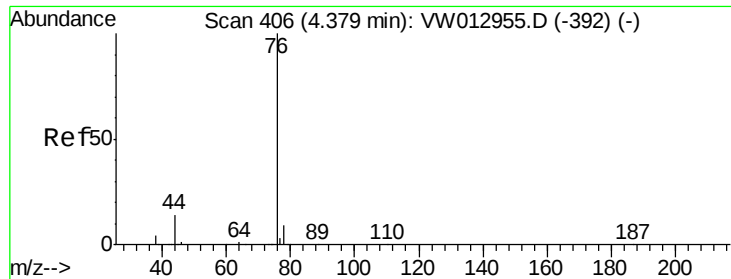
Delta R.T. 0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion:	43	Resp:	70093
Ion Ratio	Lower	Upper	
43	100		
58	29.1	22.3	33.5





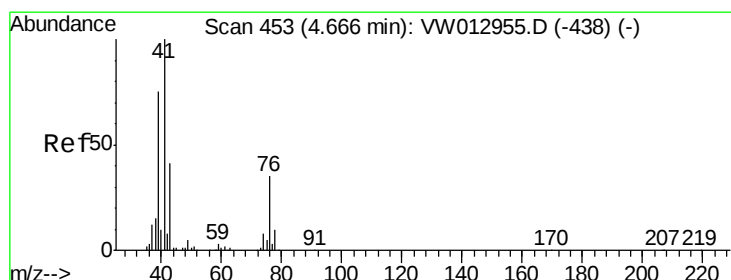
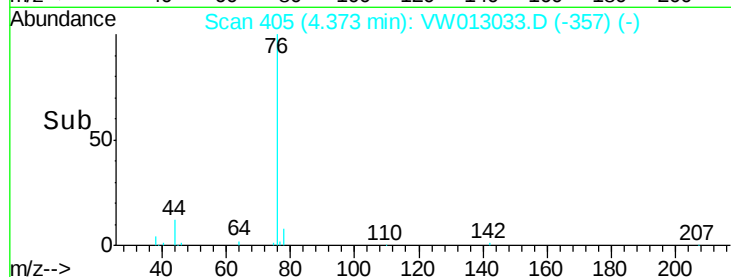
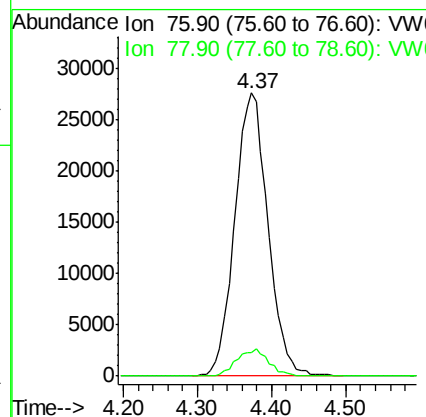
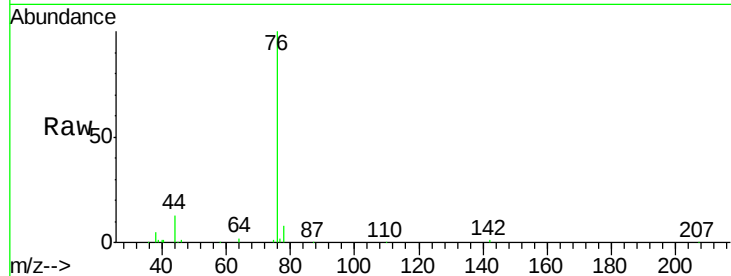
#17
Carbon Disulfide
Concen: 20.768 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.0	10.4

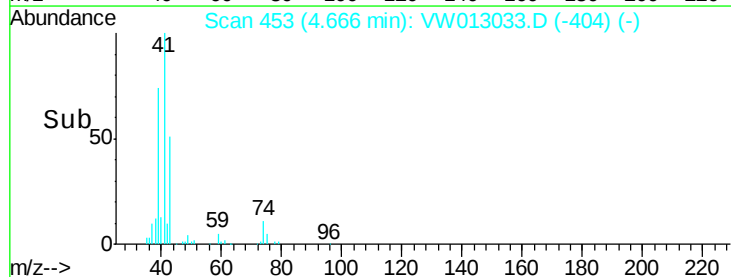
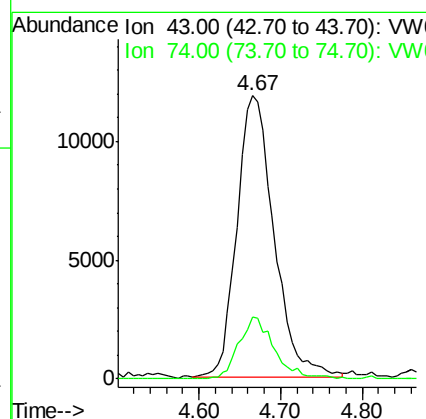
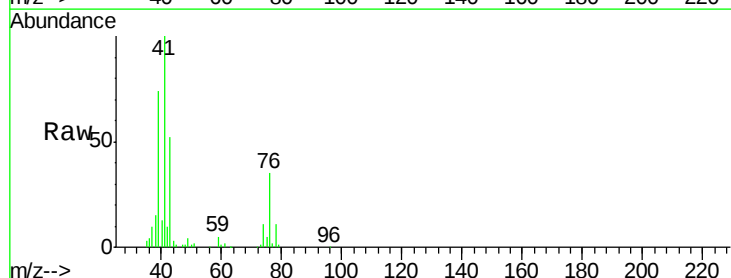
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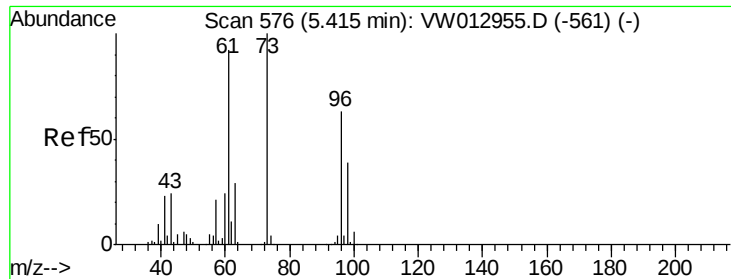
MMDadoda
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#18
Methyl Acetate
Concen: 23.686 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.8	26.8





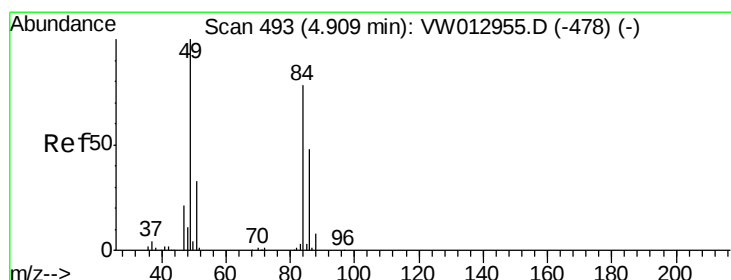
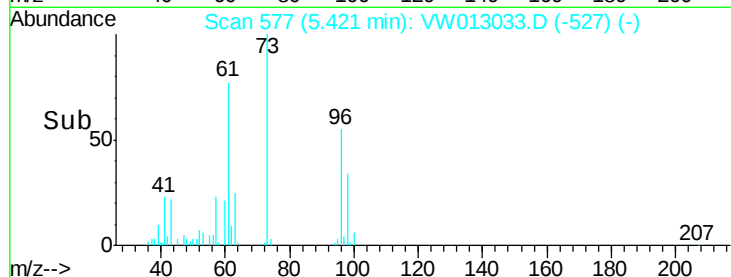
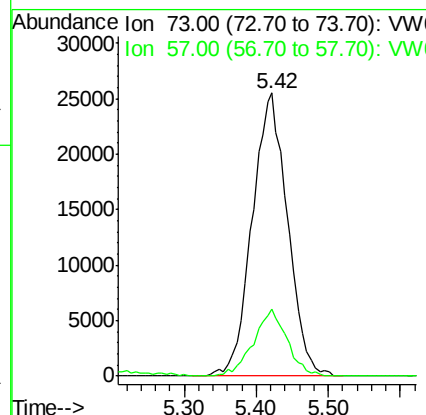
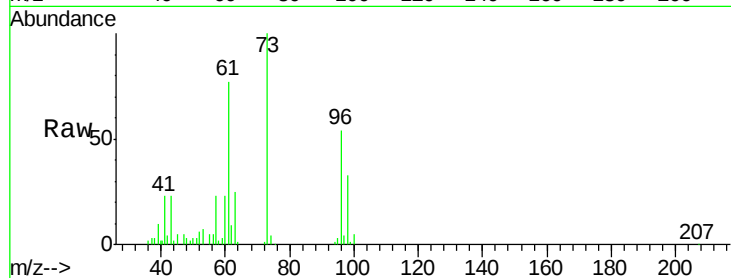
#19
Methyl tert-butyl Ether
Concen: 21.169 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion: 73 Resp: 86804
Ion Ratio Lower Upper
73 100
57 23.5 16.4 24.6

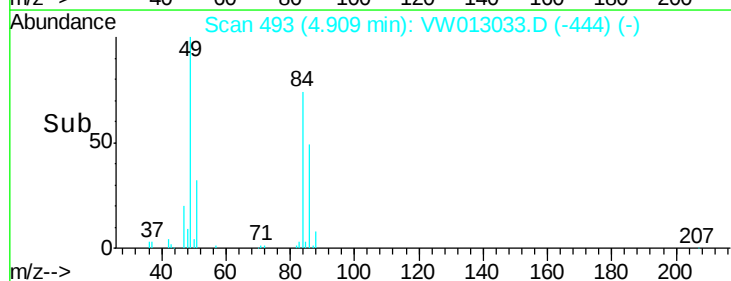
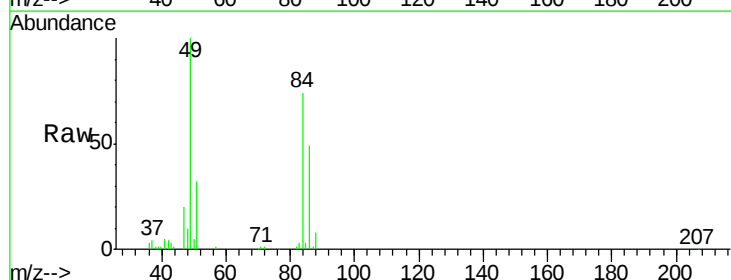
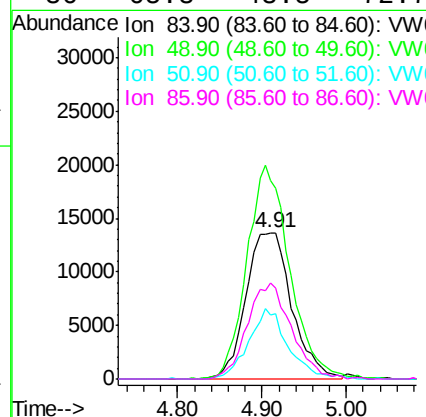
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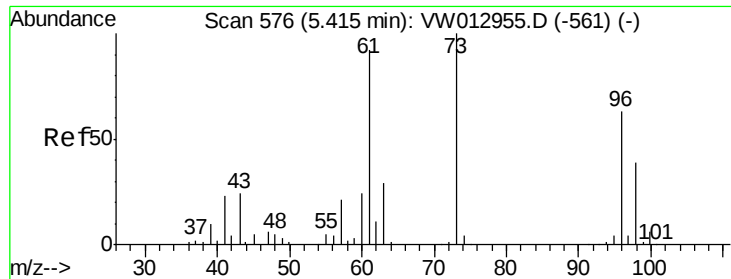
MMDadoda
9/18/2019 2:00:48 PM



#20
Methylene Chloride
Concen: 19.417 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 84 Resp: 50725
Ion Ratio Lower Upper
84 100
49 134.5 102.0 153.0
51 43.5 34.0 51.0
86 65.8 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.530 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS01

Tot Ion: 96 Resp: 45678

Ion Ratio Lower Upper

96 100

61 145.2 116.2 174.2

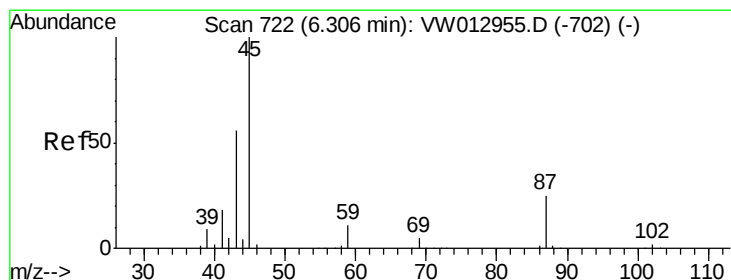
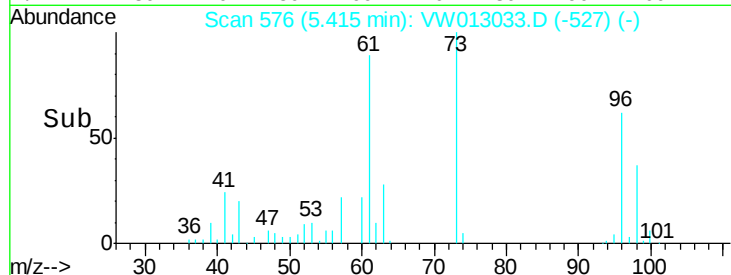
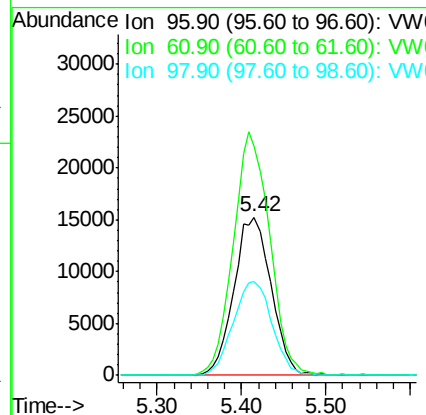
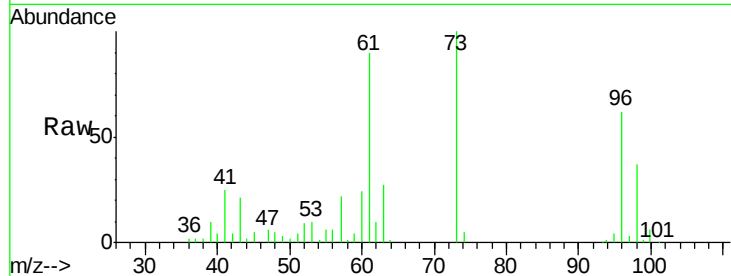
98 59.7 49.8 74.6

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#22

Diisopropyl ether

Concen: 20.613 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion: 45 Resp: 168878

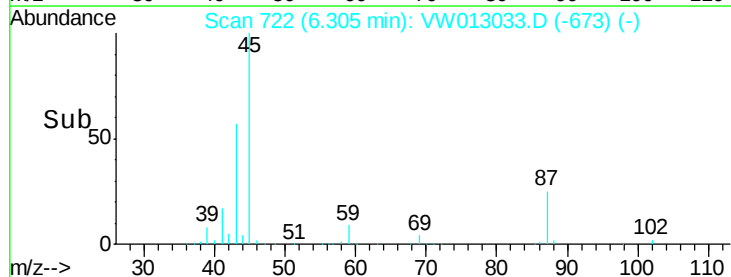
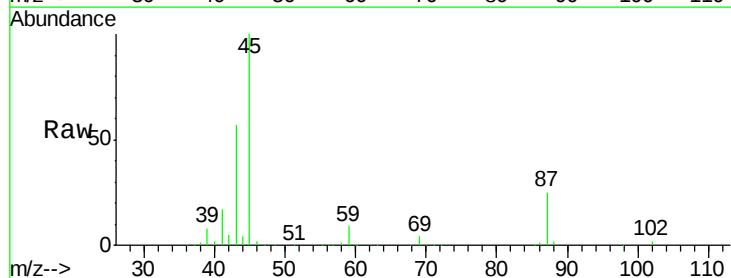
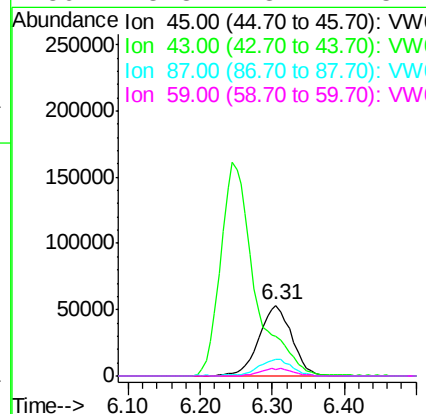
Ion Ratio Lower Upper

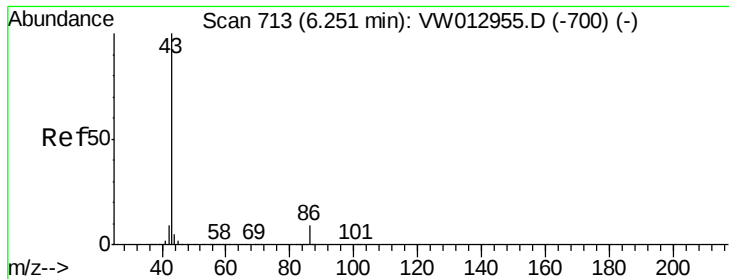
45 100

43 56.1 44.6 67.0

87 24.5 20.0 30.0

59 8.8 8.7 13.1





#23

Vinyl Acetate

Concen: 108.440 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS01

Tot Ion: 43 Resp: 532114

Ion Ratio Lower Upper

43 100

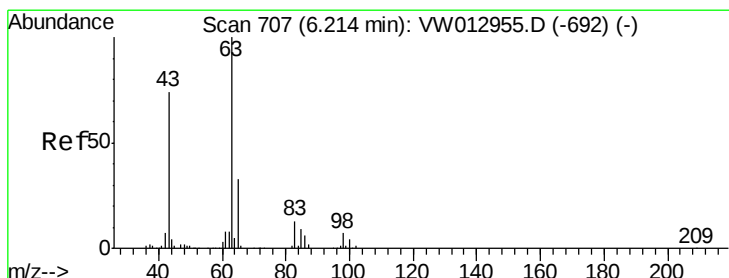
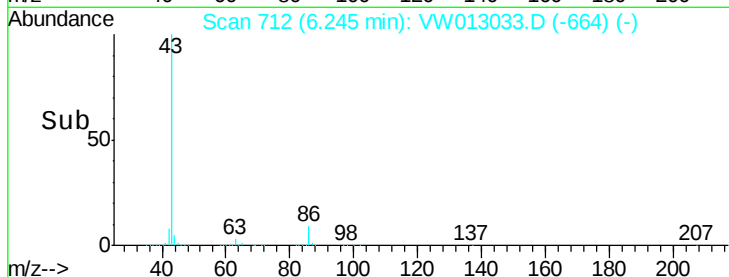
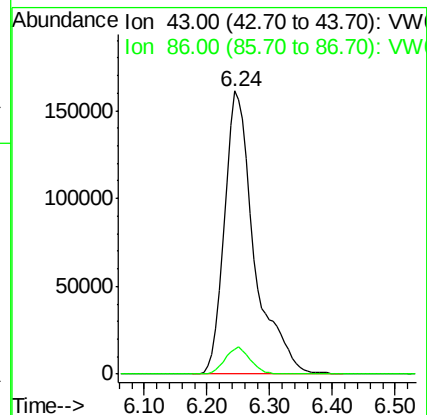
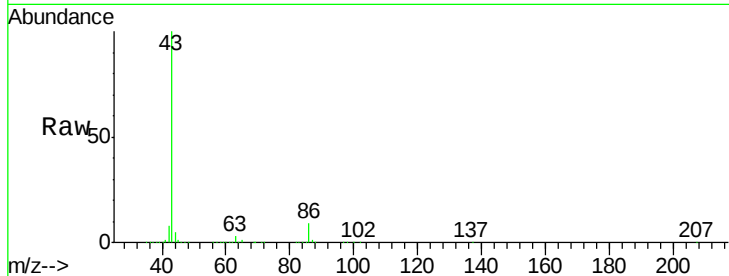
86 8.5 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 19.881 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

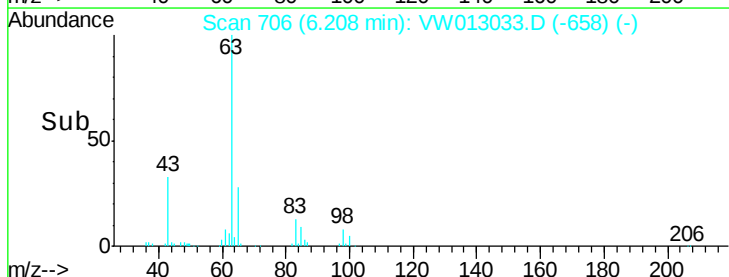
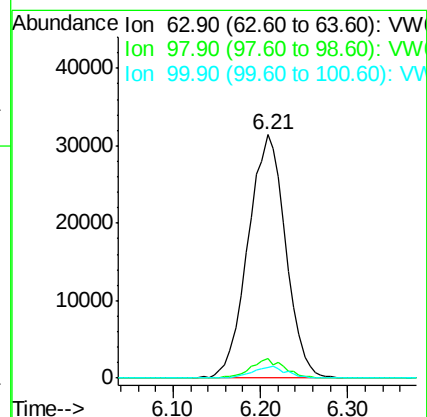
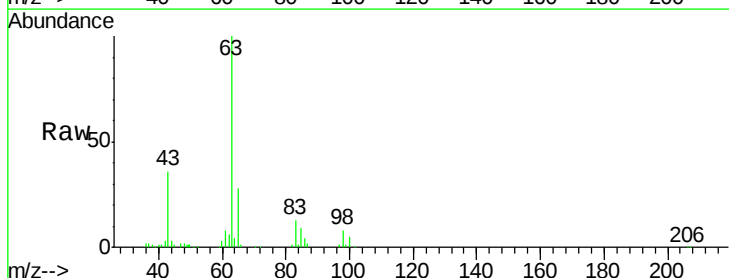
Tgt Ion: 63 Resp: 93914

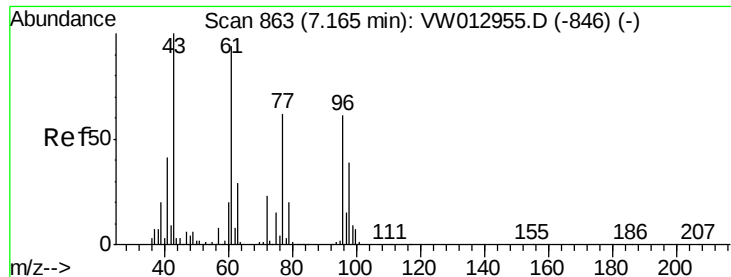
Ion Ratio Lower Upper

63 100

98 8.3 3.3 9.9

100 4.5 1.8 5.5





#25

2-Butanone

Concen: 114.502 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS01

Tot Ion: 43 Resp: 101199

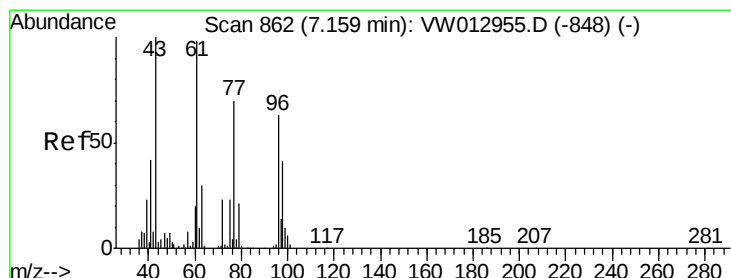
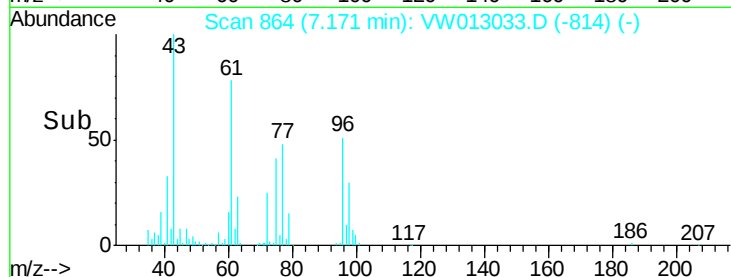
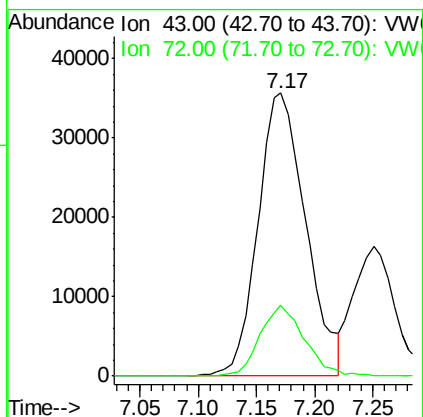
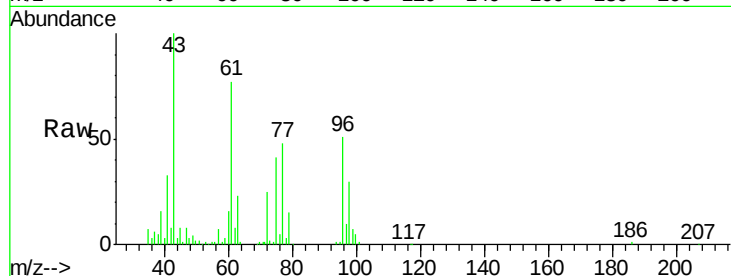
Ion Ratio Lower Upper

43 100

72 25.0 18.2 27.4

Manual Integrations
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9/18/2019 2:00:48 PM



#26

2,2-Dichloropropane

Concen: 18.119 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013033.D

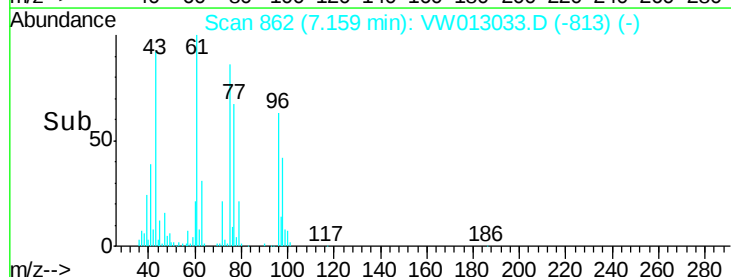
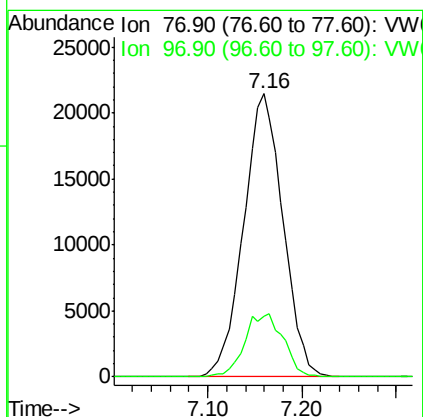
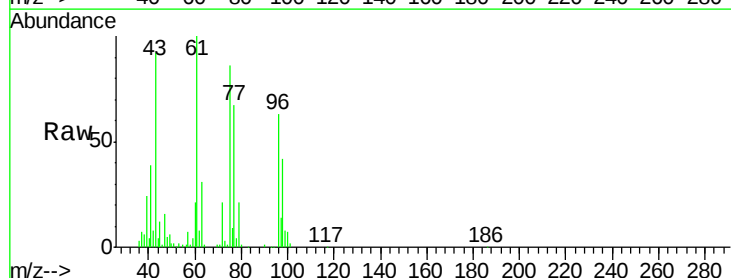
Acq: 16 Sep 2019 11:40

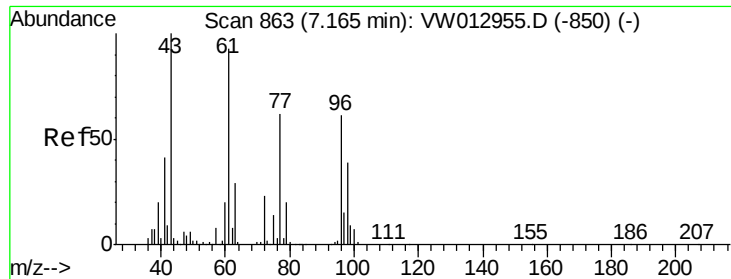
Tgt Ion: 77 Resp: 62606

Ion Ratio Lower Upper

77 100

97 21.9 10.7 32.1





#27

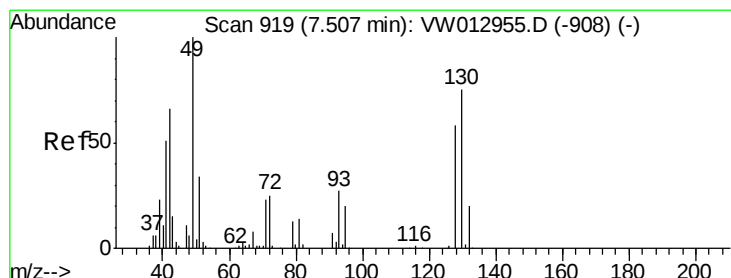
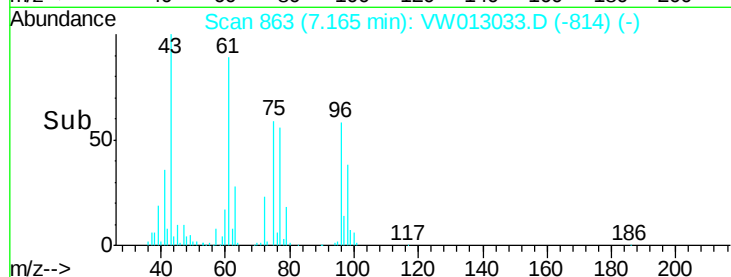
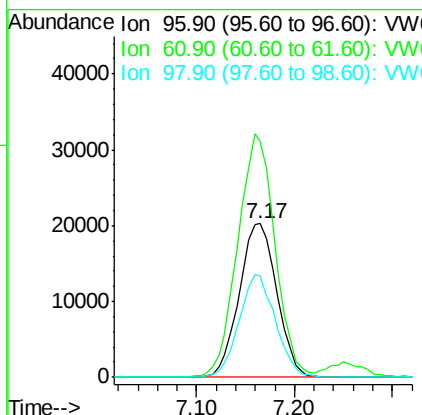
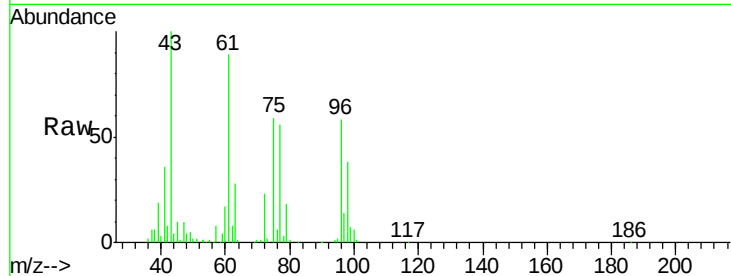
cis-1,2-Dichloroethene
 Concen: 20.295 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	315.4
98	64.6	0.0	131.0

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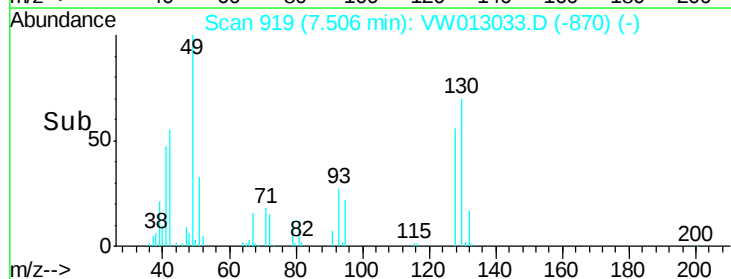
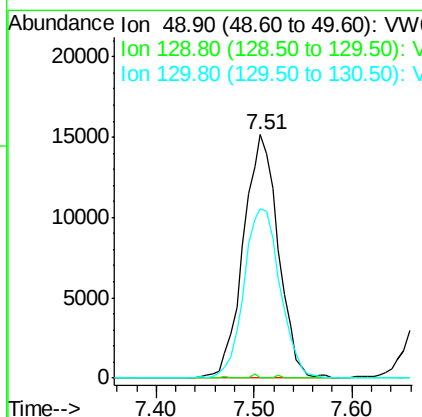
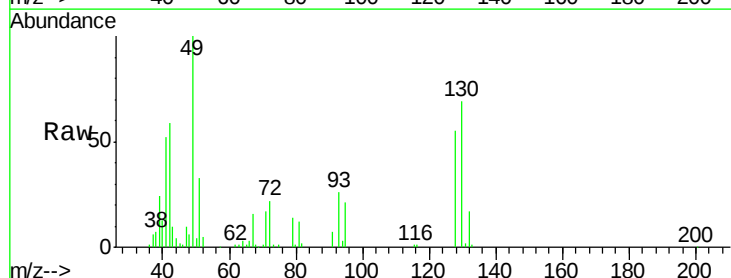
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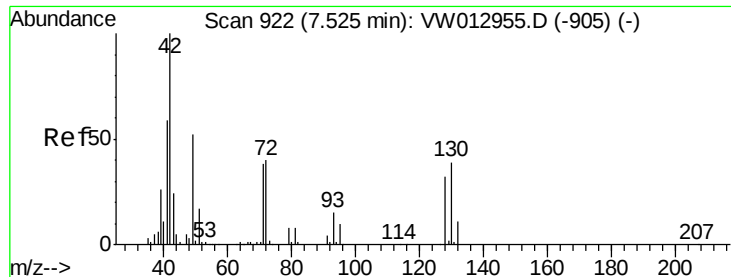


#28

Bromochloromethane
 Concen: 18.861 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	72.1	57.8	86.6





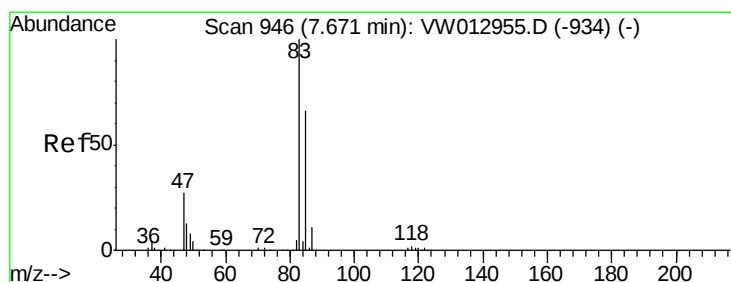
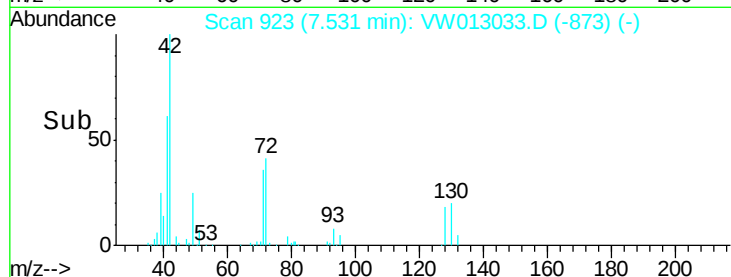
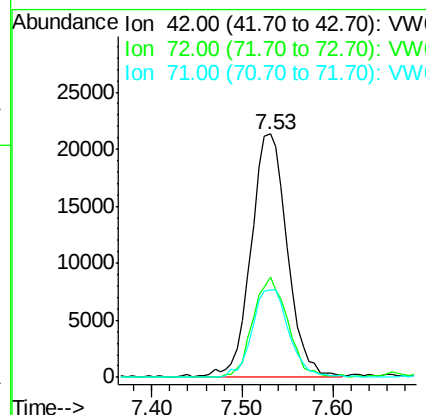
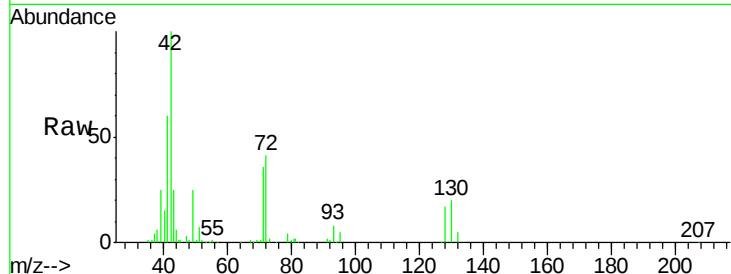
#29
Tetrahydrofuran
Concen: 116.054 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.4	47.0
71	37.0	29.8	44.8

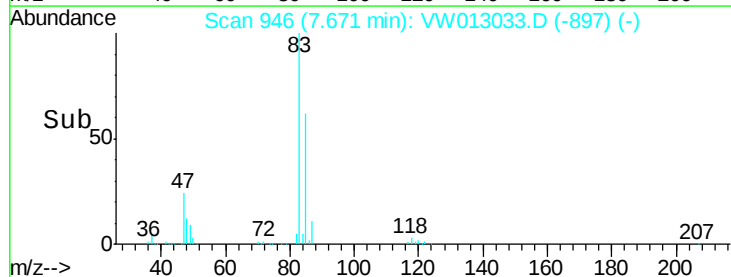
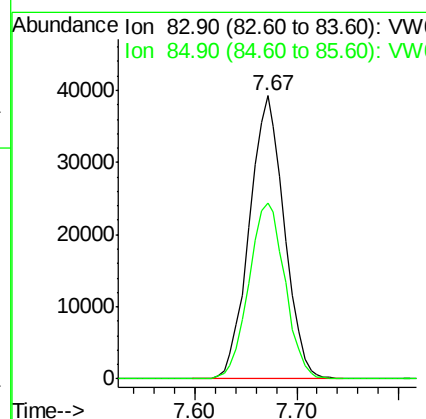
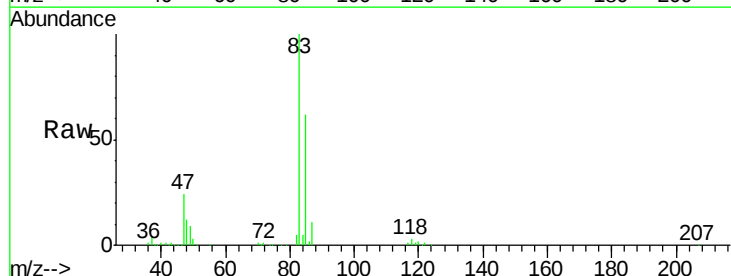
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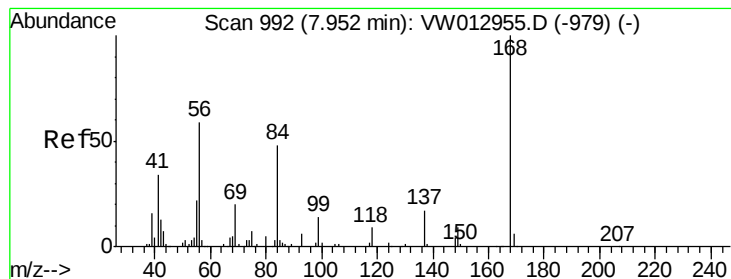
MMDadoda
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#30
Chloroform
Concen: 19.466 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.8	79.2





#31

Cyclohexane

Concen: 21.362 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

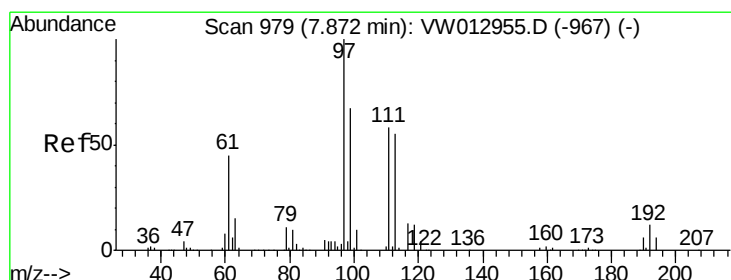
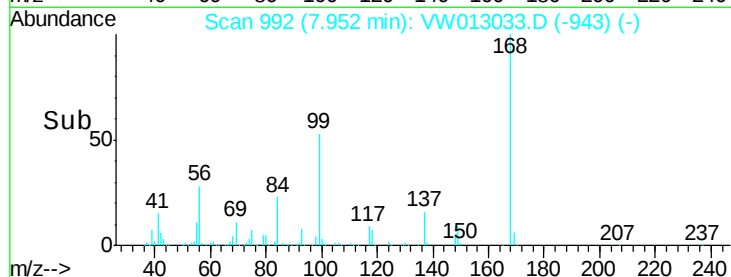
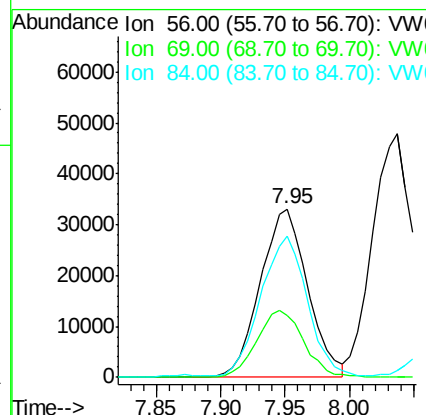
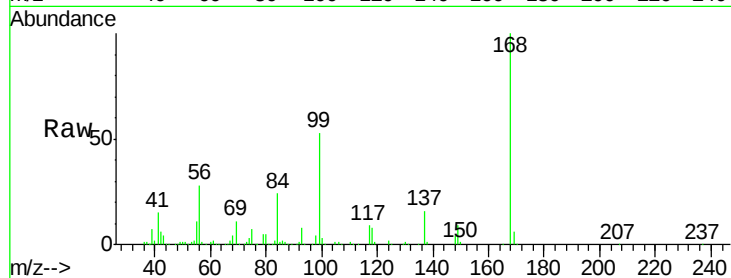
ClientSampled :

VW0916SBS01

Tot Ion:	56	Resp:	84383
Ion Ratio	Lower	Upper	
56	100		
69	37.0	27.0	40.6
84	82.6	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 18.892 ug/l

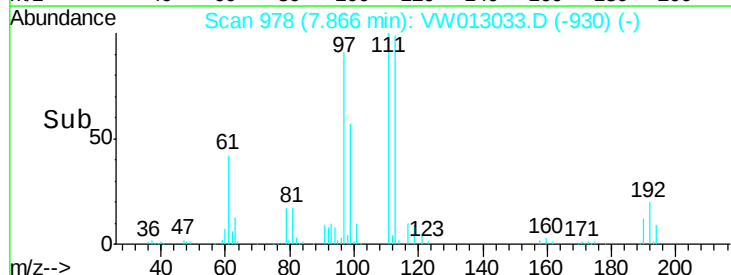
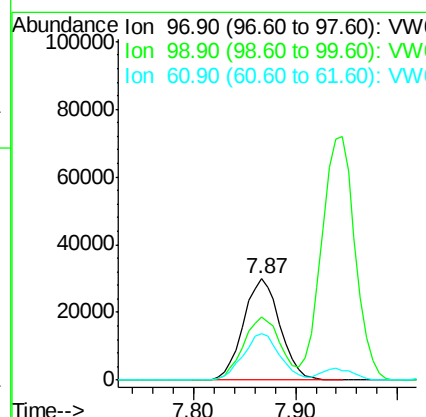
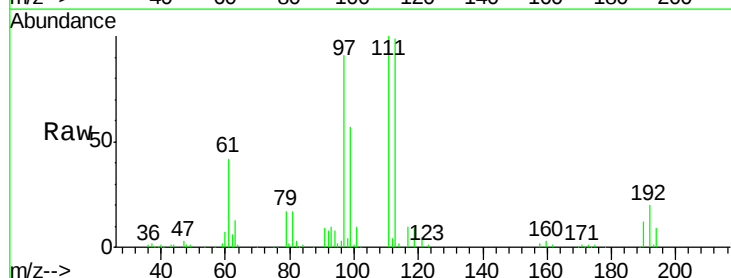
RT: 7.87 min Scan# 978

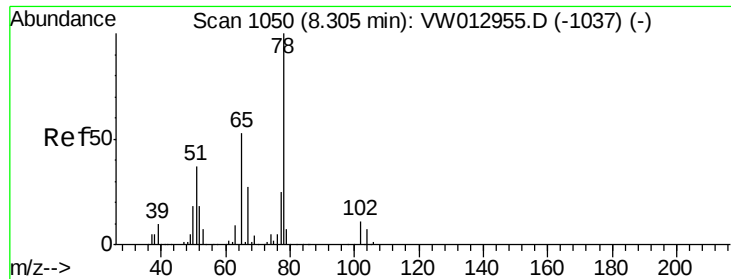
Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion:	97	Resp:	74673
Ion Ratio	Lower	Upper	
97	100		
99	64.2	53.0	79.4
61	45.5	36.5	54.7





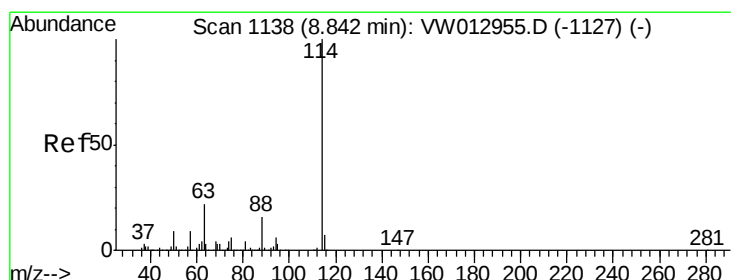
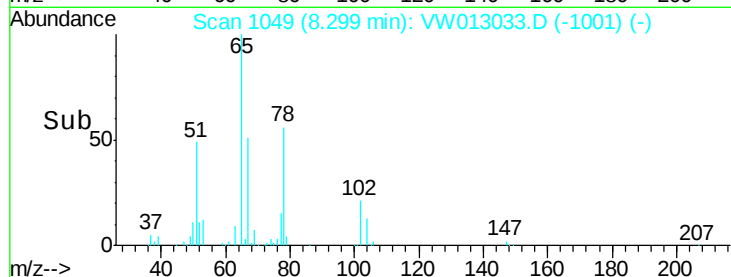
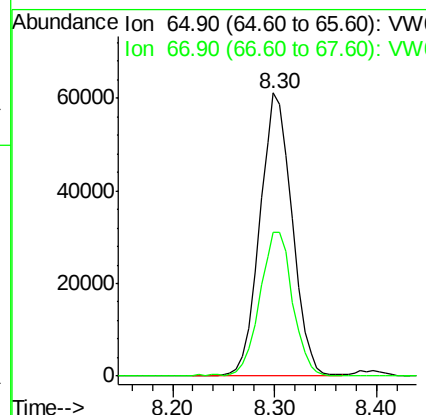
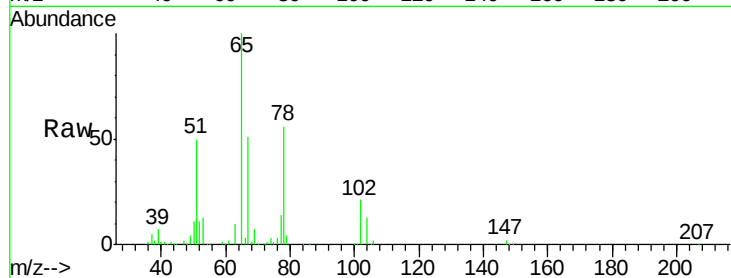
#33
 1,2-Dichloroethane-d4
 Concen: 48.268 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134161		
67	52.2	0.0	101.2	

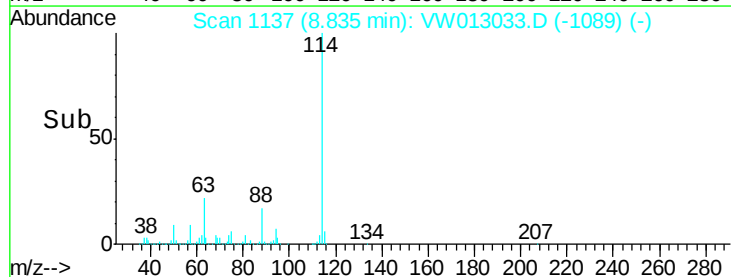
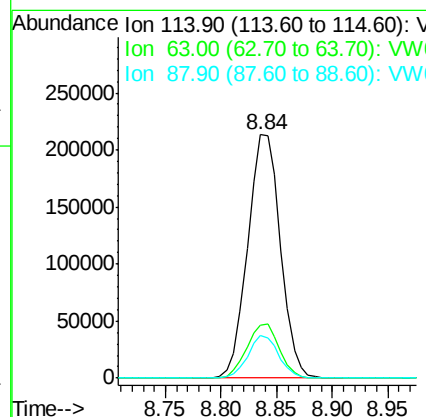
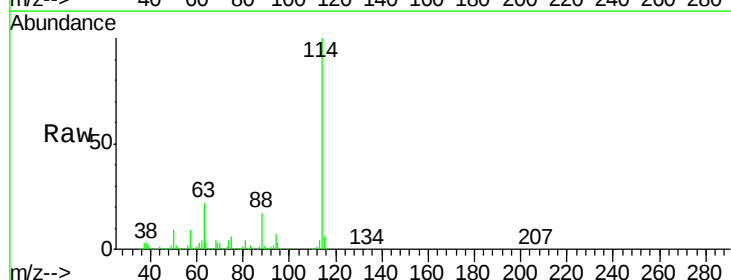
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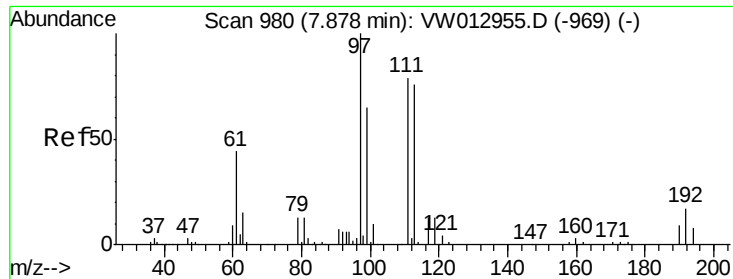
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	436093		
63	21.9	0.0	43.4	
88	17.5	0.0	31.6	





#35

Dibromofluoromethane

Concen: 48.207 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

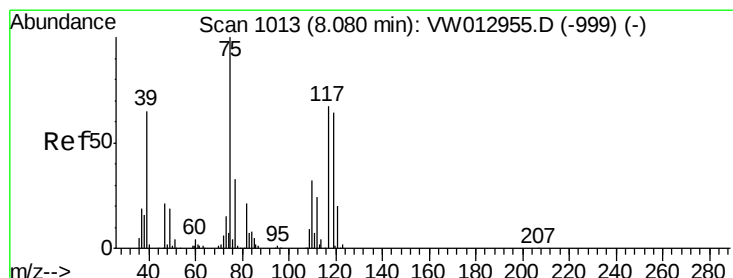
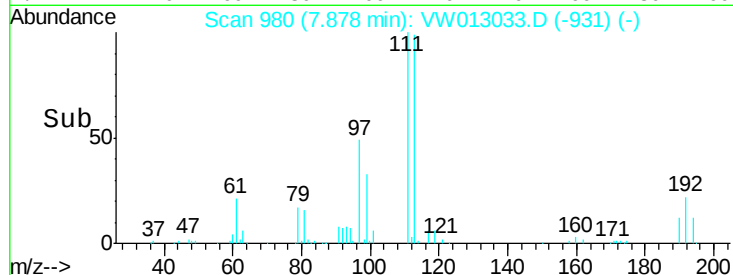
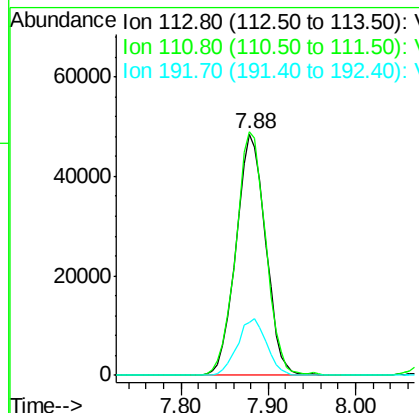
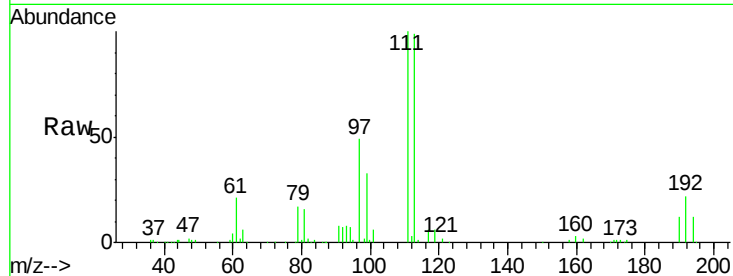
ClientSampleId :

VW0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114072		
111	102.0	82.8	124.2	
192	23.2	17.8	26.8	

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#36

1,1-Dichloropropene

Concen: 20.042 ug/l

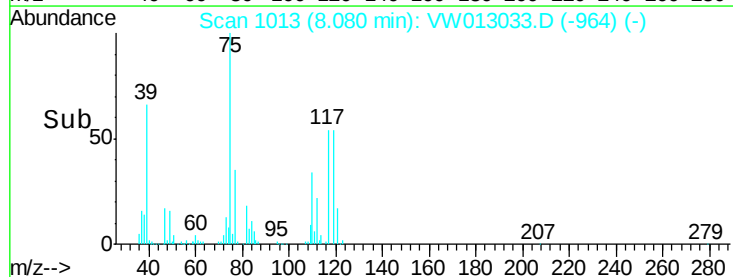
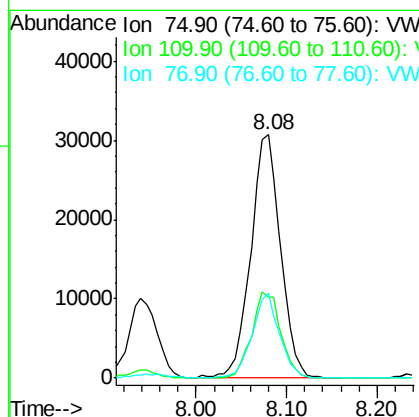
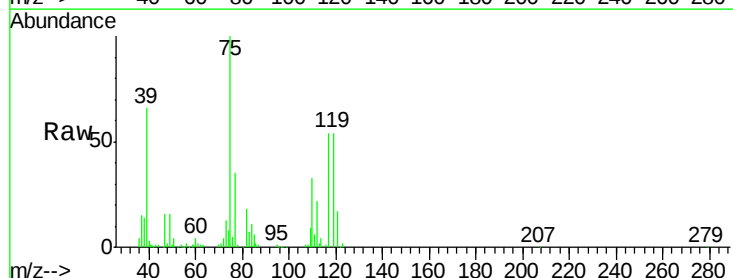
RT: 8.08 min Scan# 1013

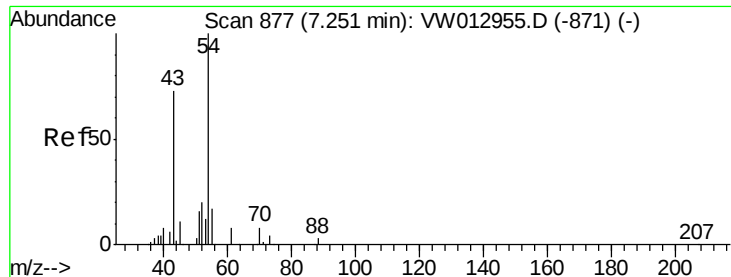
Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69842		
110	34.7	16.4	49.1	
77	31.7	25.1	37.7	





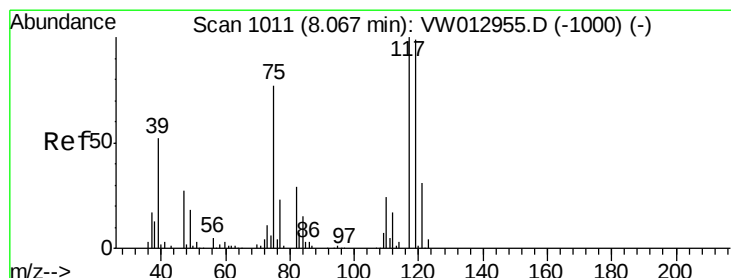
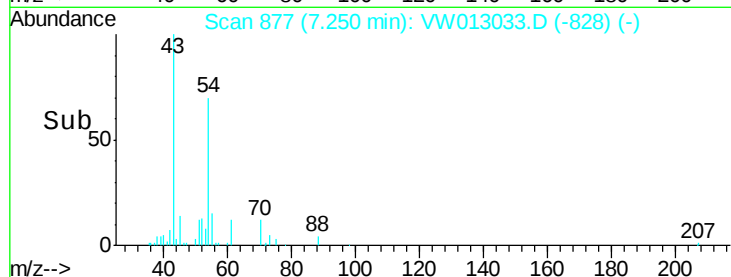
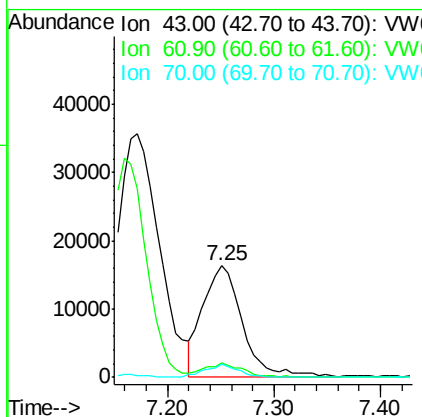
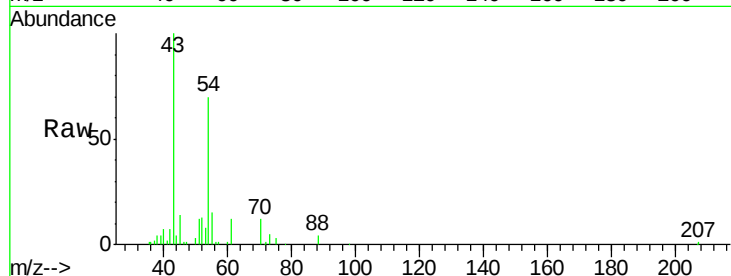
#37
Ethyl Acetate
Concen: 22.308 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.6	14.4
70	10.0	7.6	11.4

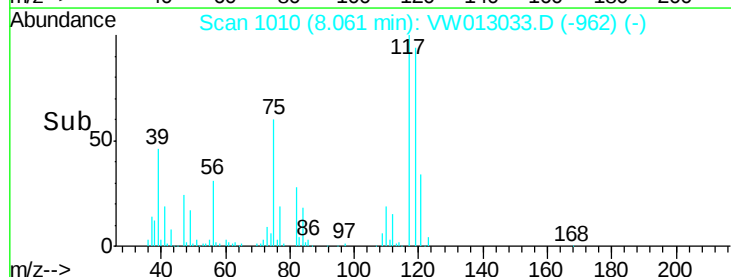
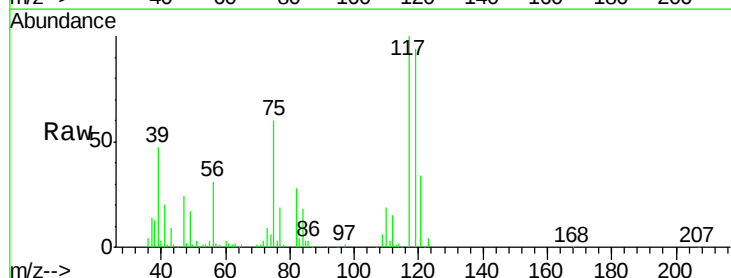
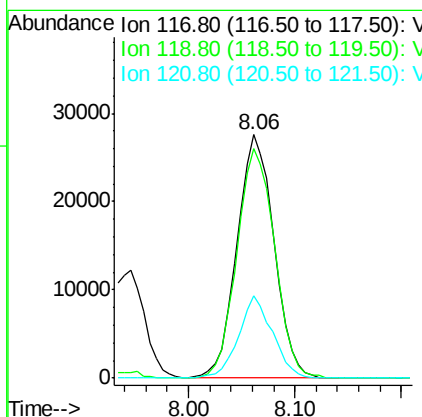
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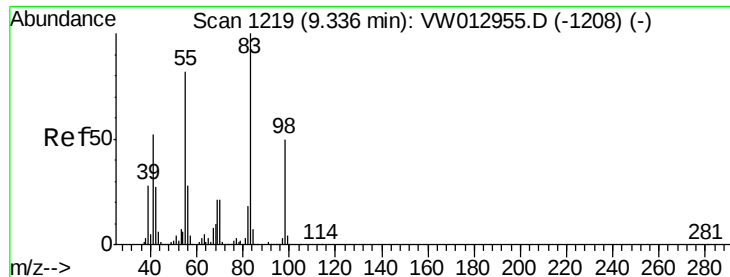
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#38
Carbon Tetrachloride
Concen: 18.888 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	79.4	119.0
121	33.7	24.6	36.8





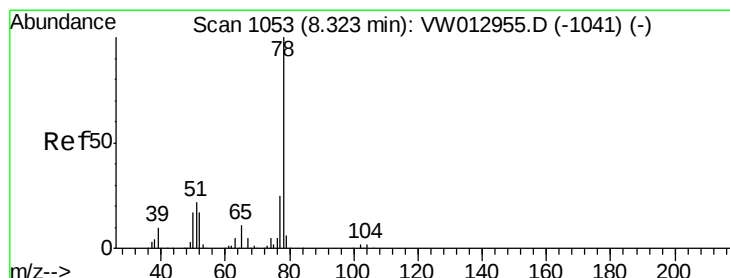
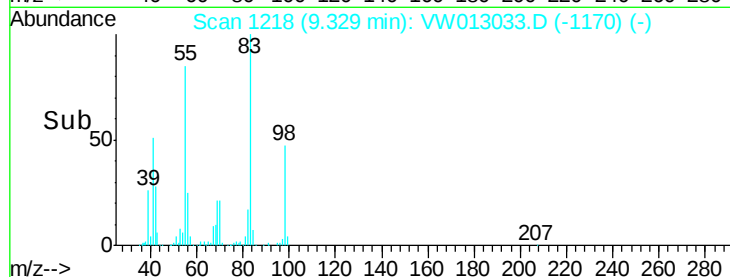
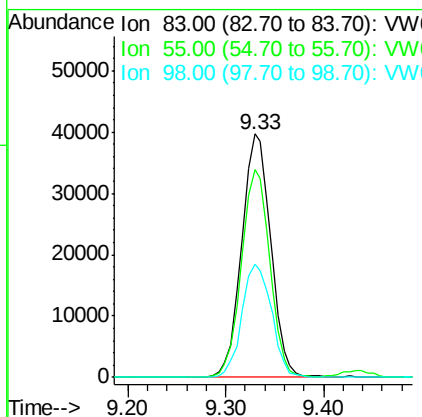
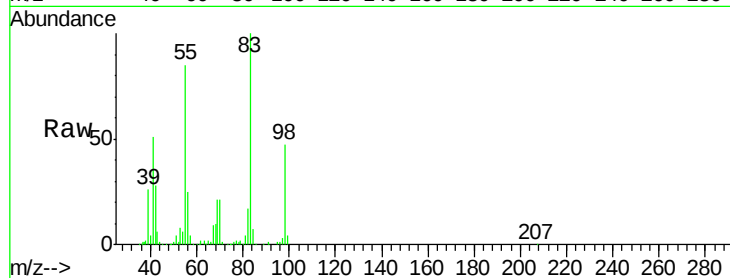
#39
Methvlcvclohexane
Concen: 21.498 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	65.9	98.9
98	46.6	39.6	59.4

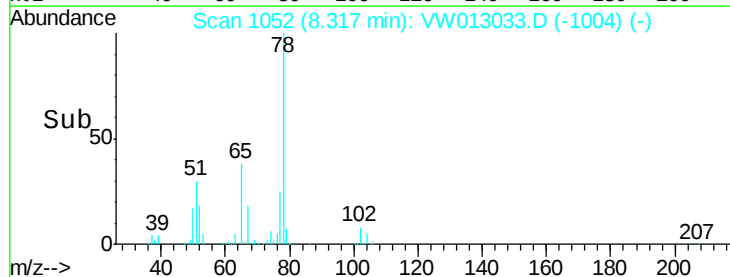
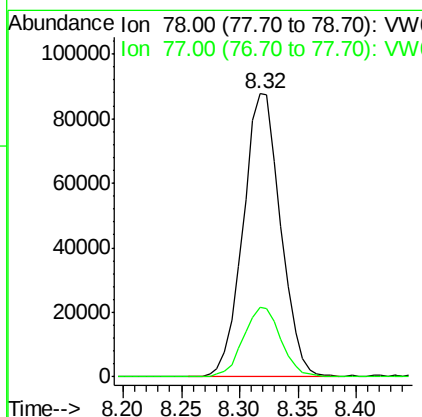
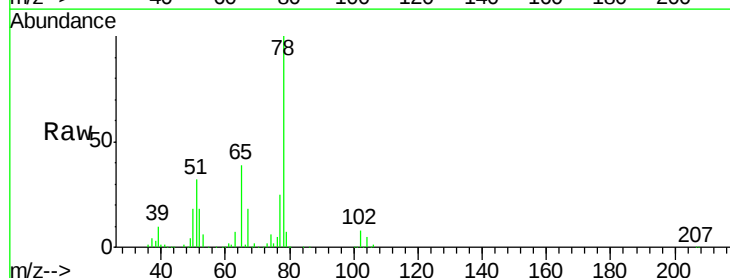
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#40
Benzene
Concen: 20.254 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





#41

Methacrylonitrile

Concen: 20.282 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

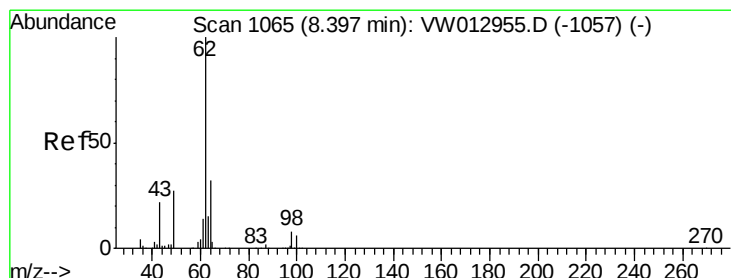
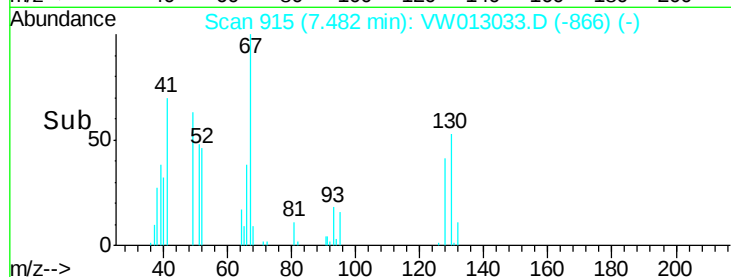
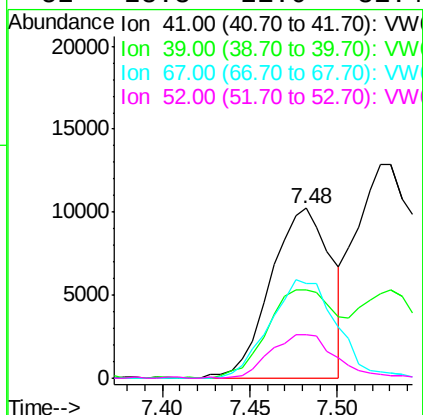
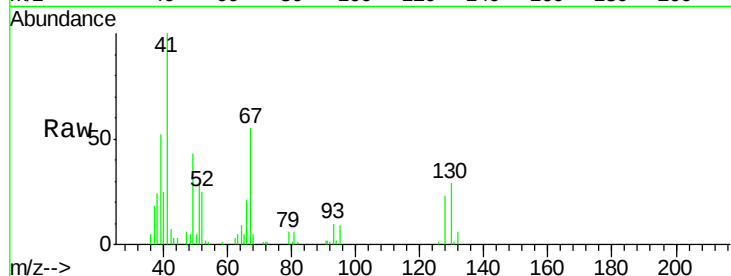
ClientSampleId :

VW0916SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		24705		
39	61.7	48.2	72.4		
67	64.0	47.5	71.3		
52	28.3	21.0	31.4		

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#42

1,2-Dichloroethane

Concen: 19.756 ug/l

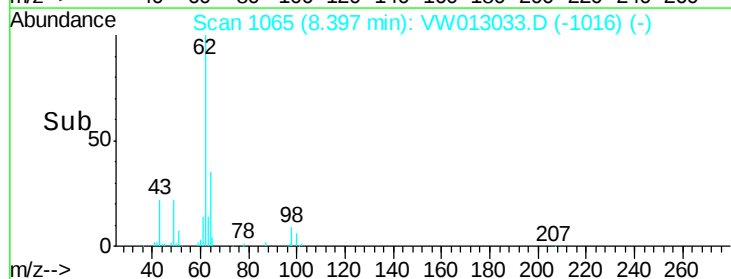
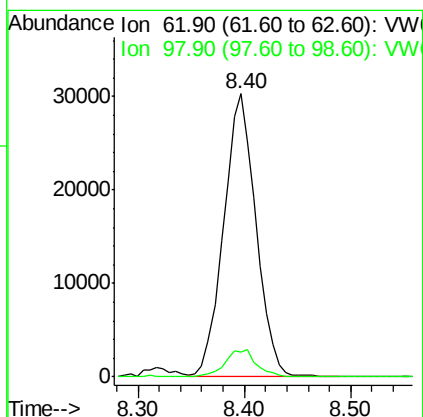
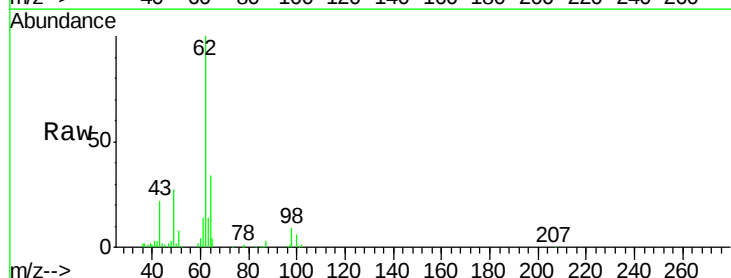
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		64427		
98	9.2	0.0	16.8		





#43

Isopropyl Acetate

Concen: 21.847 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

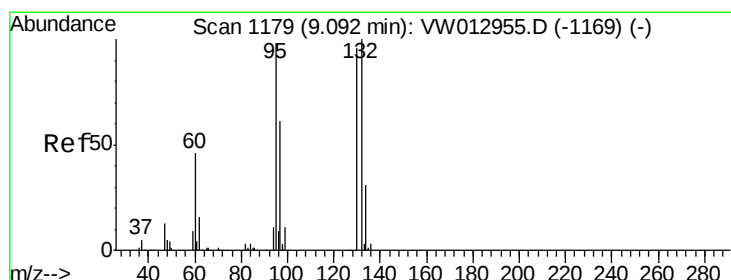
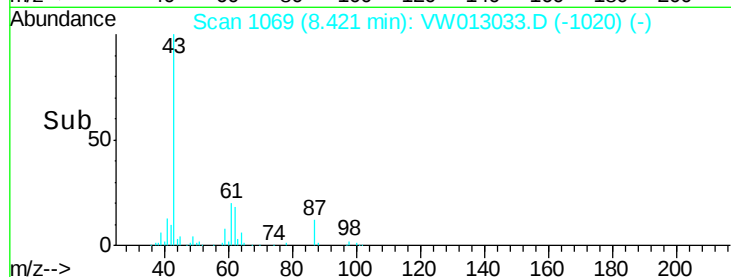
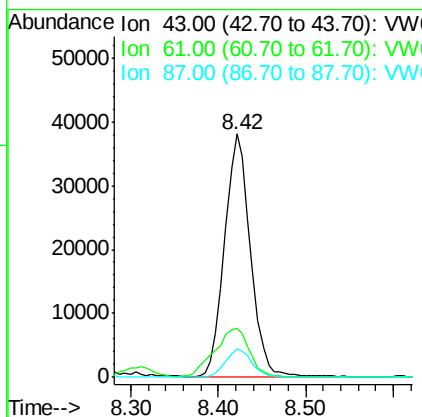
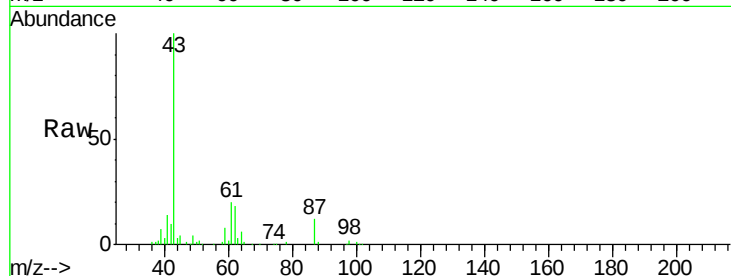
ClientSampleId :

VW0916SBS01

Tot Ion:	43	Resp:	77590
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.7	34.1
87	12.0	9.4	14.2

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#44

Trichloroethene

Concen: 19.895 ug/l

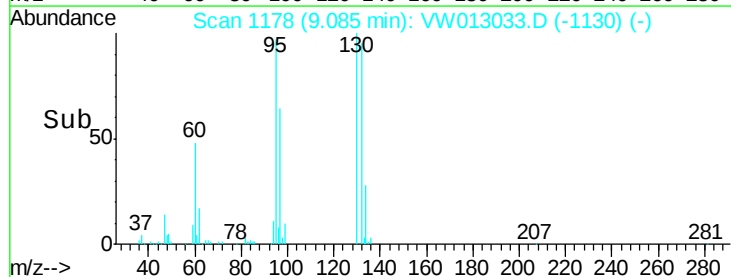
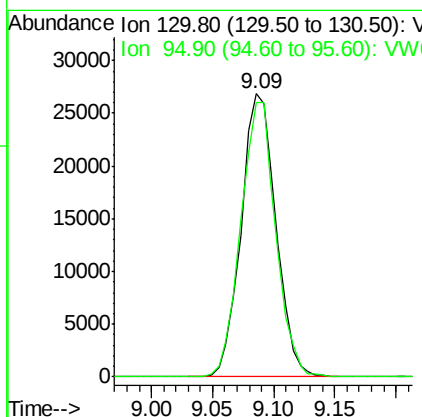
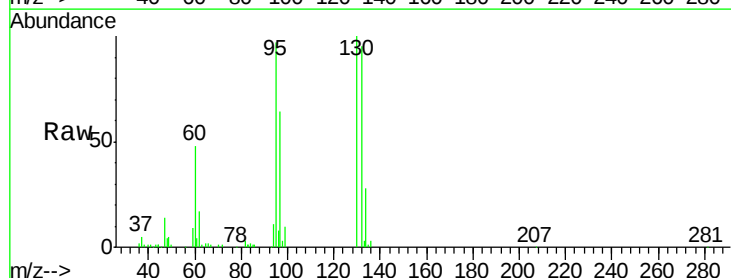
RT: 9.09 min Scan# 1178

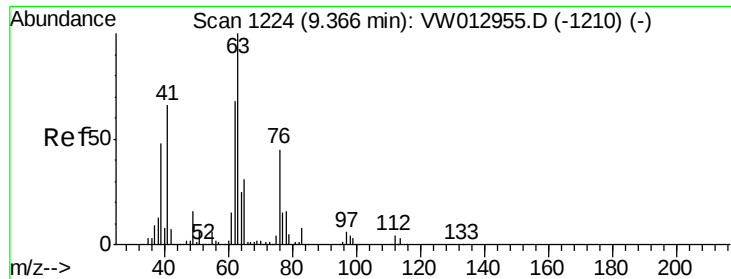
Delta R.T. -0.01 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion:	130	Resp:	53014
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	204.4





#45

1,2-Dichloropropane

Concen: 19.955 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS01

Tot Ion: 63 Resp: 51578

Ion Ratio Lower Upper

63 100

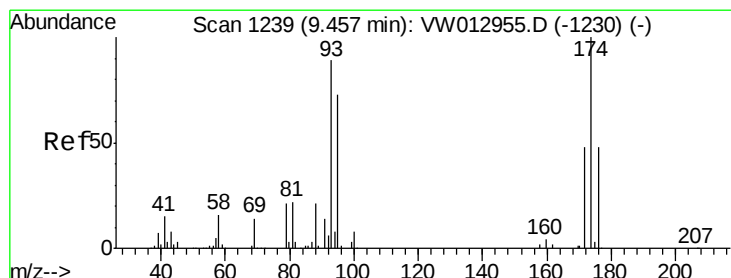
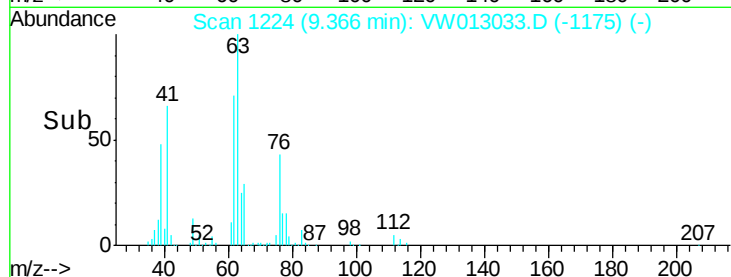
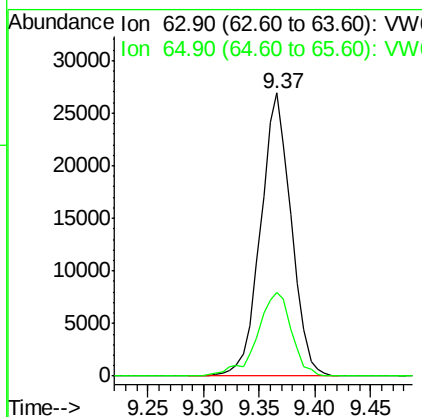
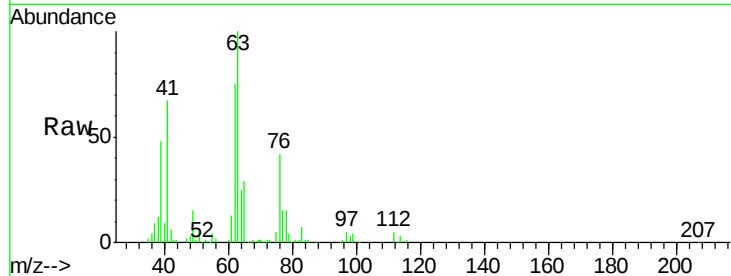
65 29.5 24.6 37.0

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#46

Dibromomethane

Concen: 20.311 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

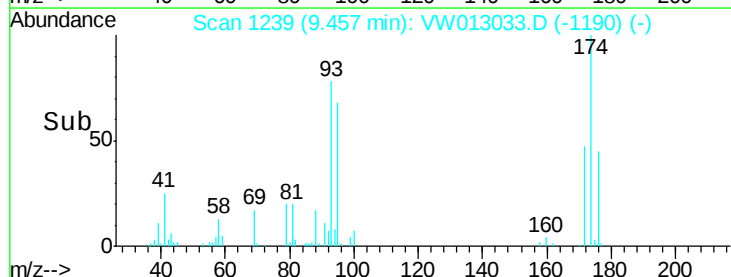
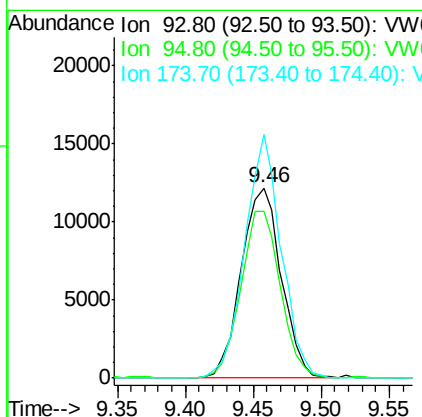
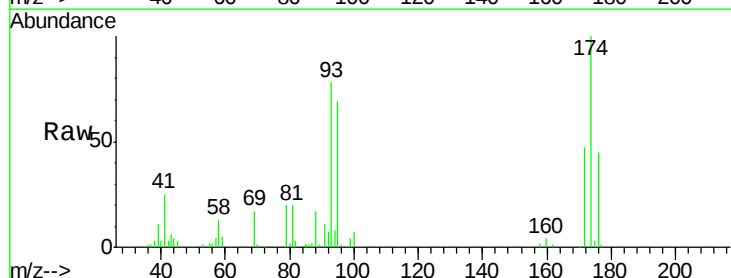
Tgt Ion: 93 Resp: 25151

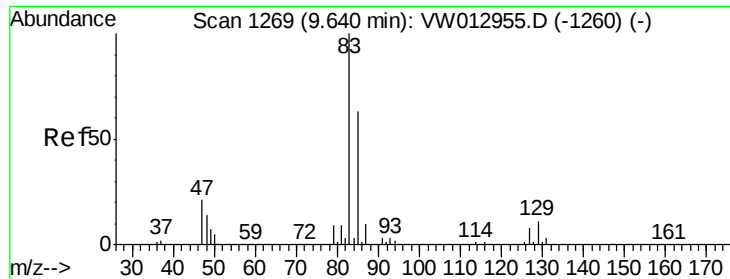
Ion Ratio Lower Upper

93 100

95 86.6 67.0 100.4

174 116.2 90.5 135.7





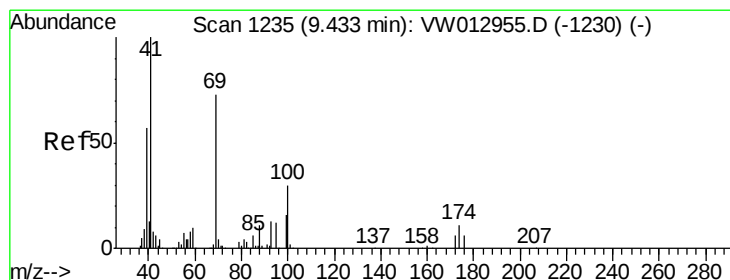
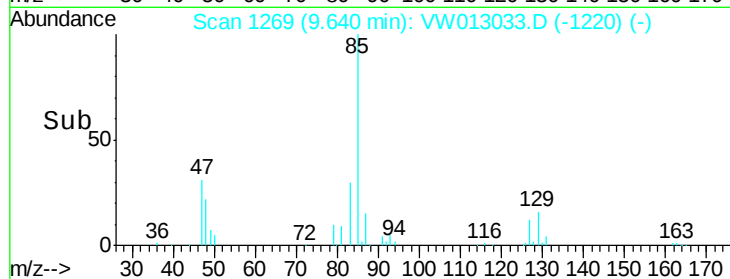
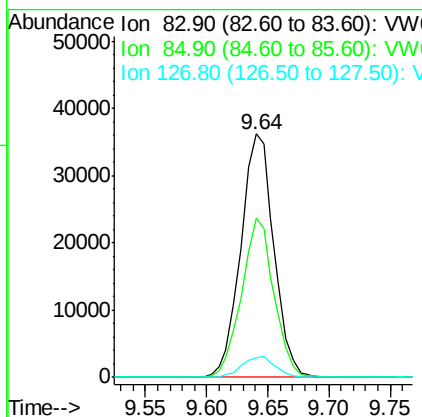
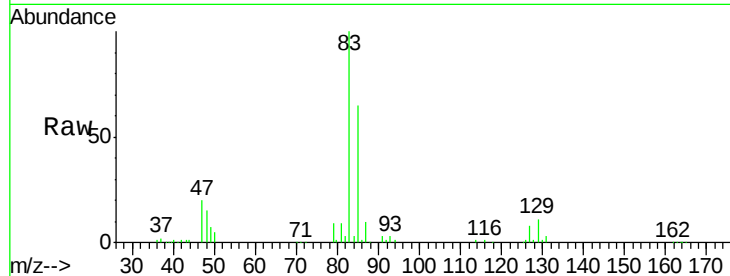
#47
 Bromodichloromethane
 Concen: 19.580 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Tot Ion	83	Resp	68009
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	50.6	75.8
127	7.9	6.7	10.1

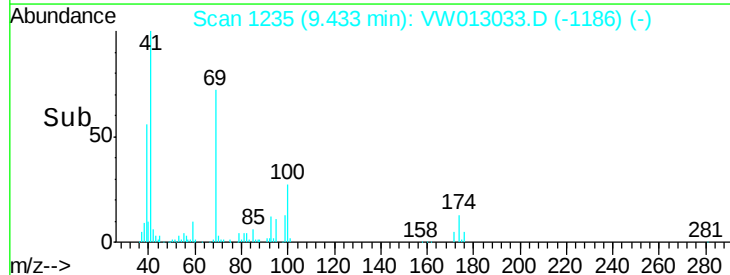
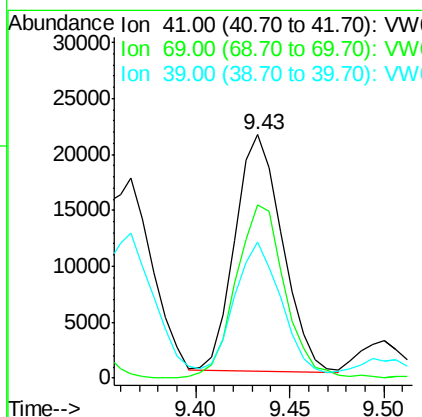
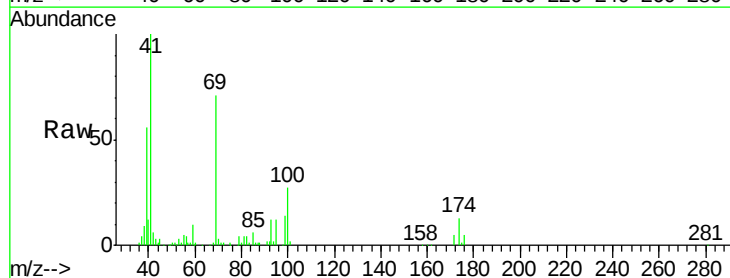
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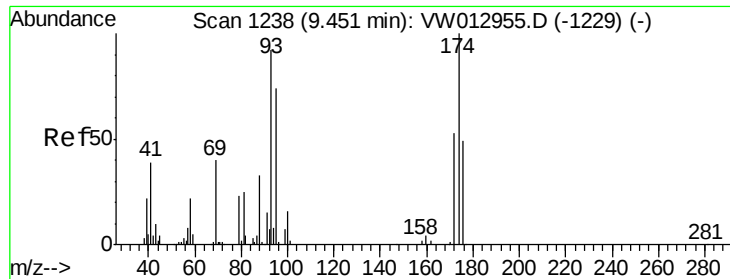
MMDadoda
 9/18/2019 2:00:48 PM



#48
 Methyl methacrylate
 Concen: 22.128 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	41	Resp	36882
Ion Ratio	100	Lower	Upper
41	100		
69	75.9	62.8	94.2
39	57.8	48.5	72.7





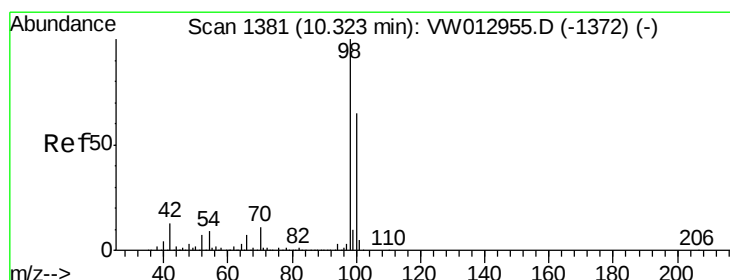
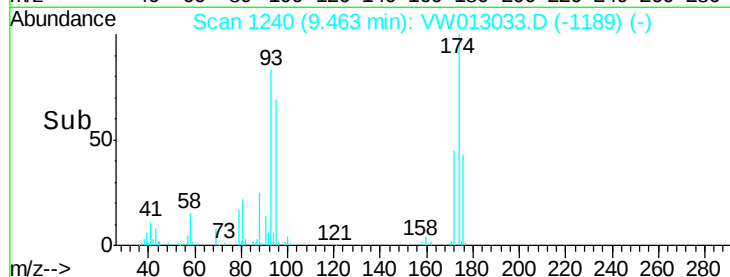
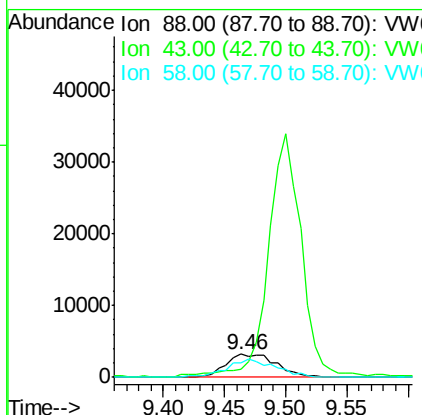
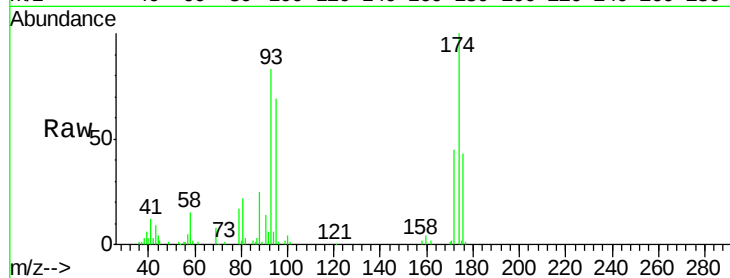
#49
1,4-Dioxane
Concen: 453.170 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	75.5	60.2	90.2

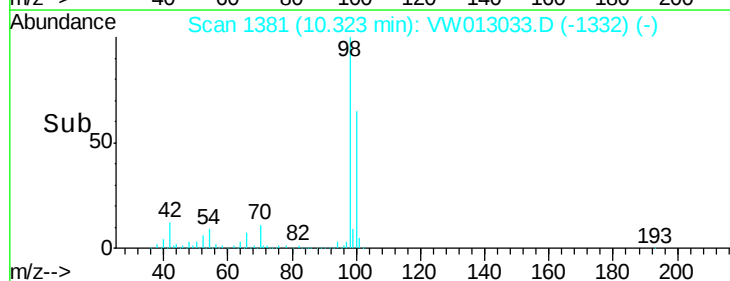
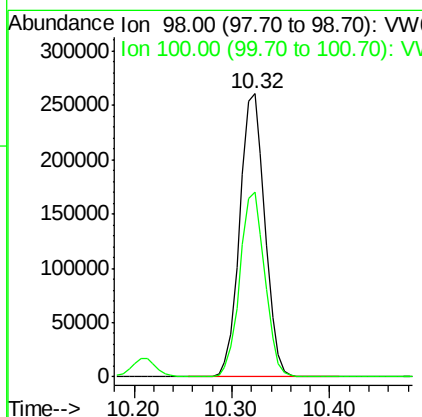
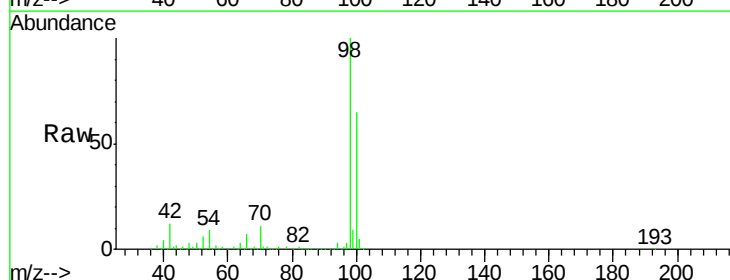
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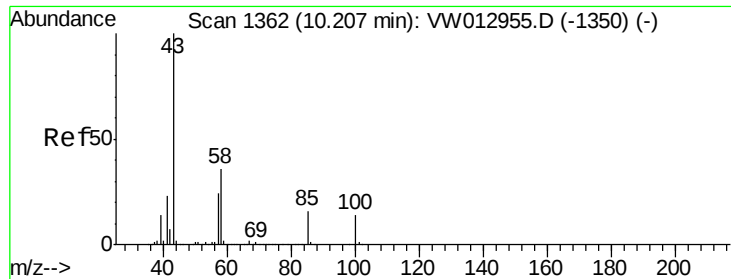
MMDadoda
9/18/2019 2:00:48 PM



#50
Toluene-d8
Concen: 50.152 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 114.122 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS01

Tot Ion: 43 Resp: 209245

Ion Ratio Lower Upper

43 100

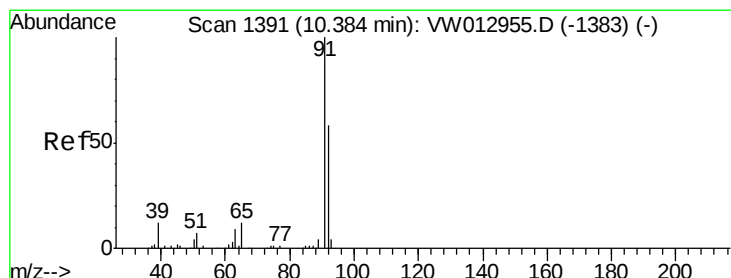
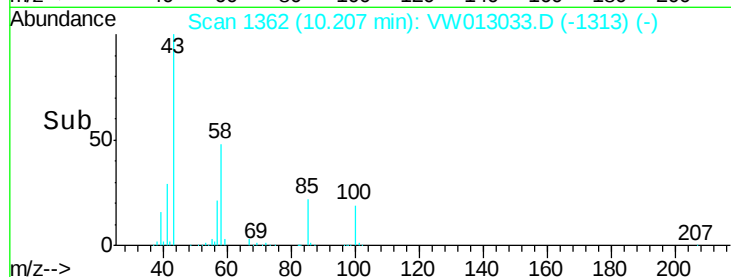
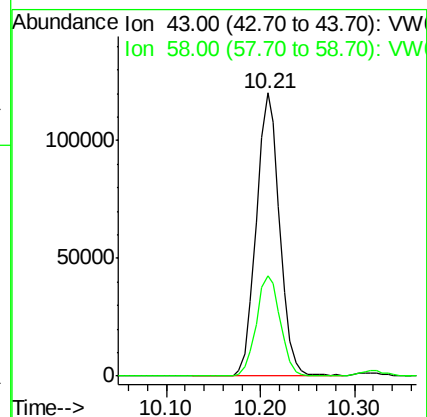
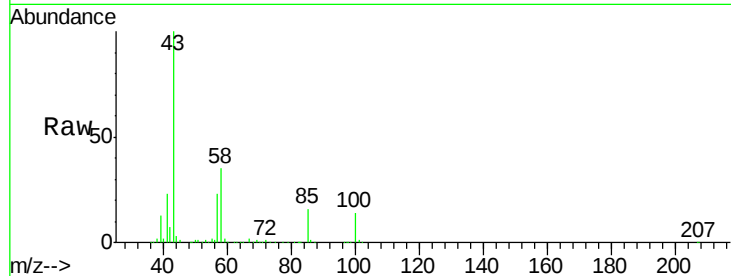
58 36.6 29.5 44.3

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#52

Toluene

Concen: 20.166 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013033.D

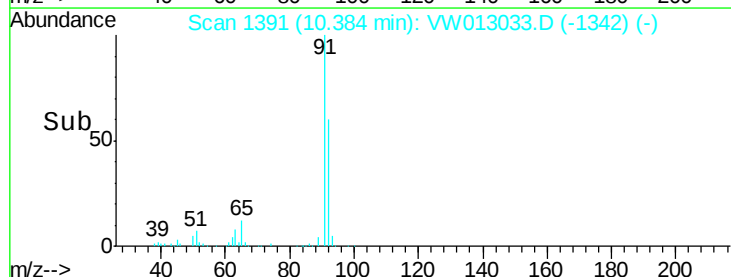
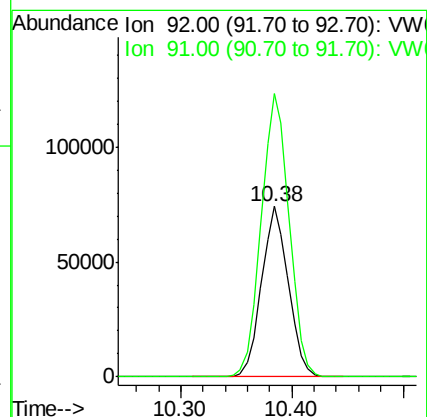
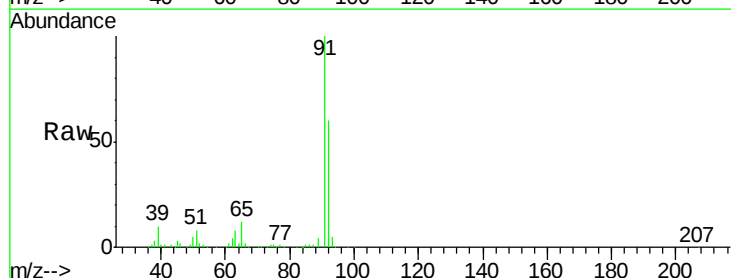
Acq: 16 Sep 2019 11:40

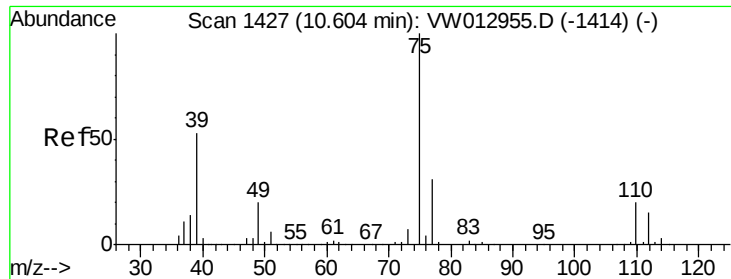
Tgt Ion: 92 Resp: 124658

Ion Ratio Lower Upper

92 100

91 172.4 137.5 206.3





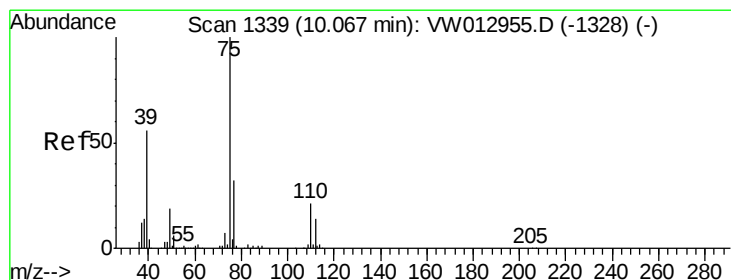
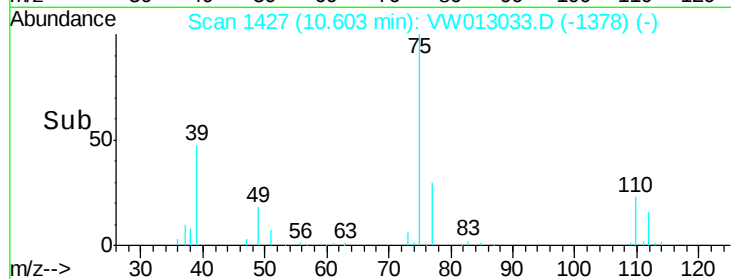
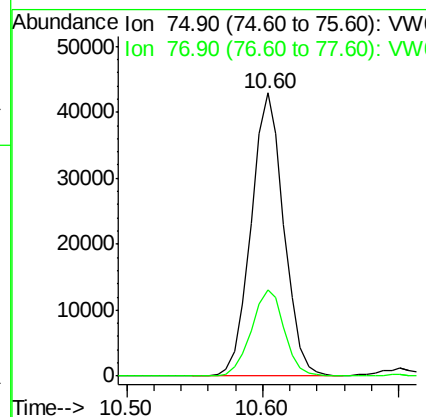
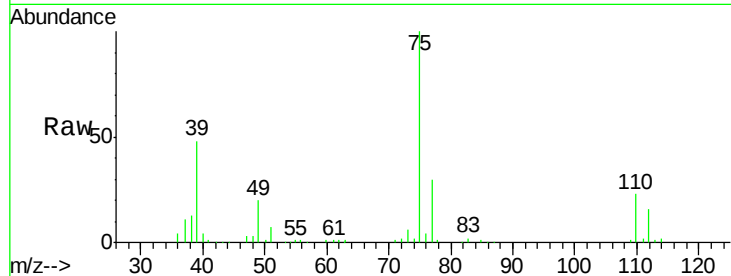
#53
t-1,3-Dichloropropene
Concen: 20.663 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.6	37.0

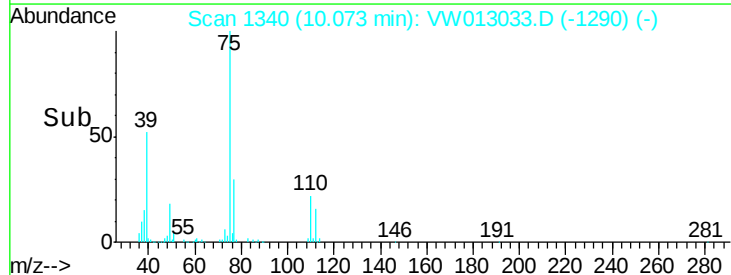
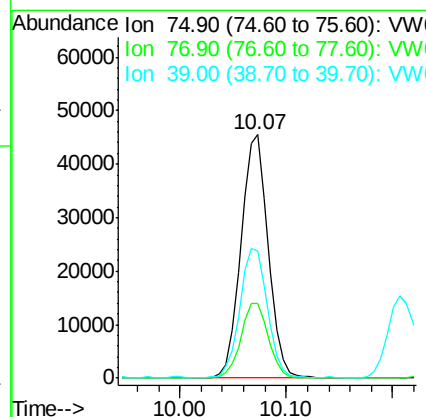
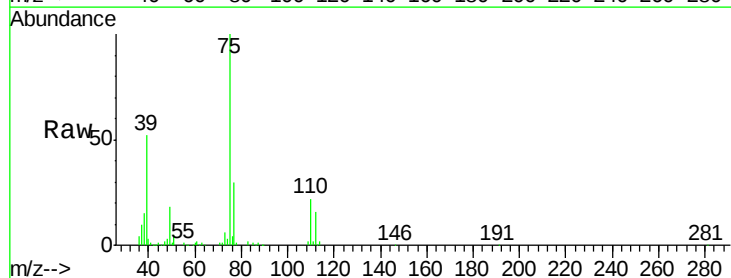
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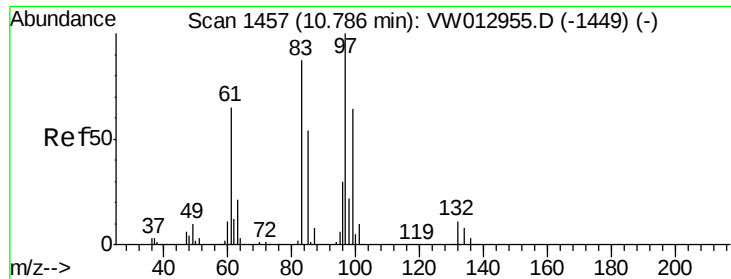
MMDadoda
9/18/2019 2:00:48 PM



#54
cis-1,3-Dichloropropene
Concen: 20.495 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.5	38.3
39	52.3	45.0	67.6





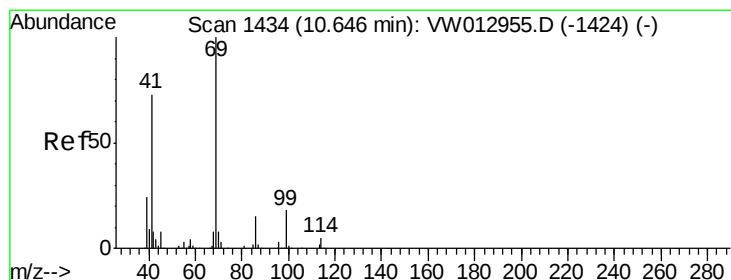
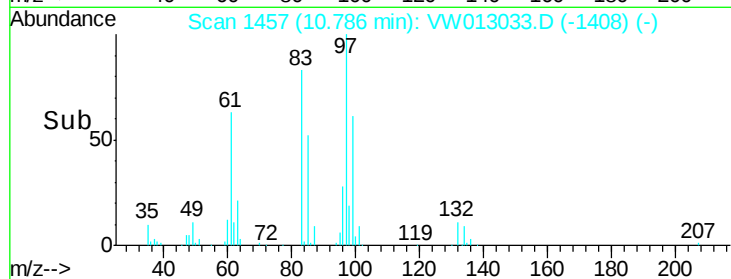
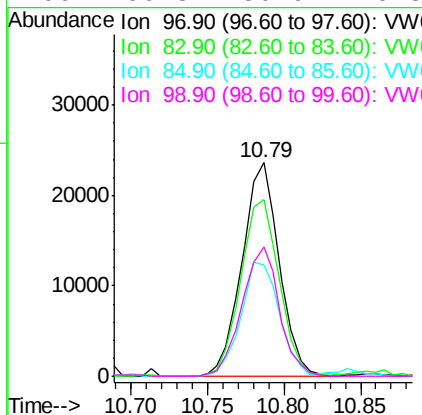
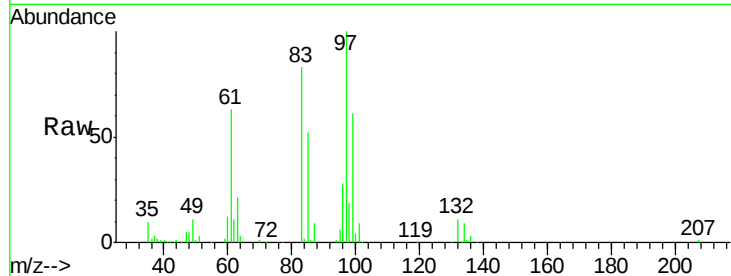
#55
 1,1,2-Trichloroethane
 Concen: 21.098 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Tot Ion	97	Resp	39799
Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.4	104.0
85	52.3	43.3	64.9
99	60.8	50.9	76.3

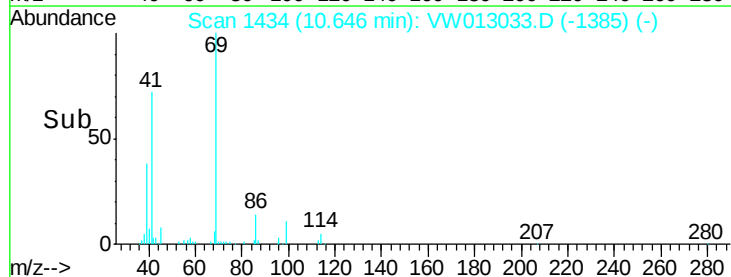
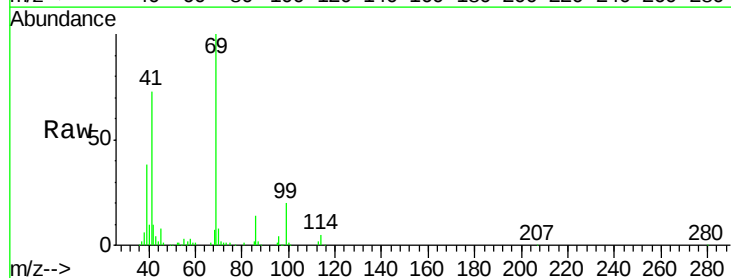
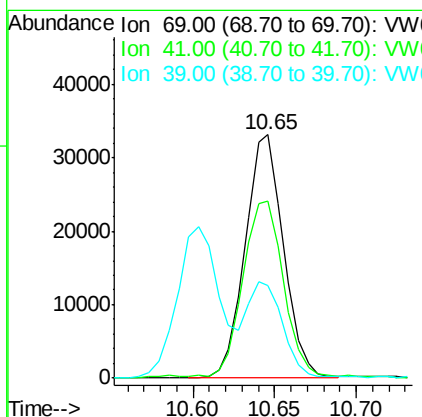
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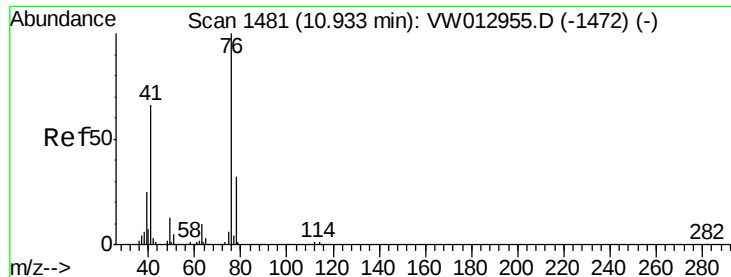
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 9/18/2019 2:00:48 PM



#56
 Ethyl methacrylate
 Concen: 21.392 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	69	Resp	54317
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	35.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 20.899 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS01

Tot Ion: 76 Resp: 69936

Ion Ratio Lower Upper

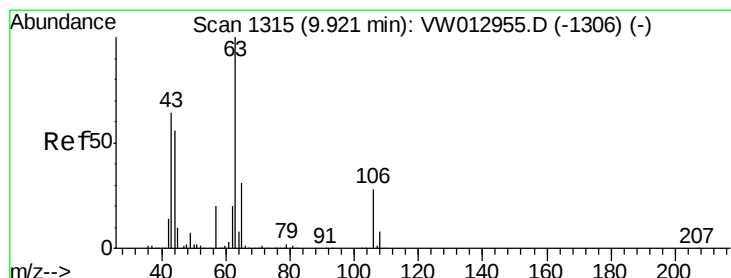
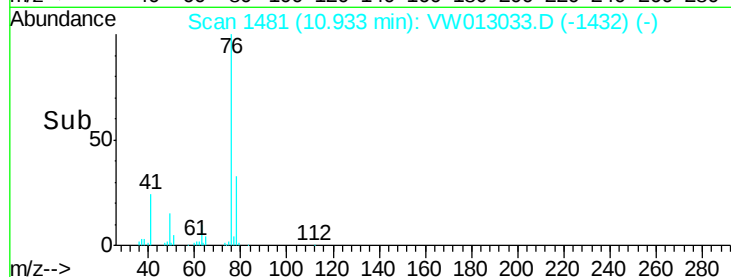
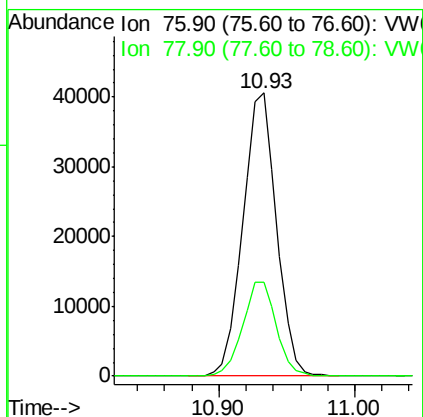
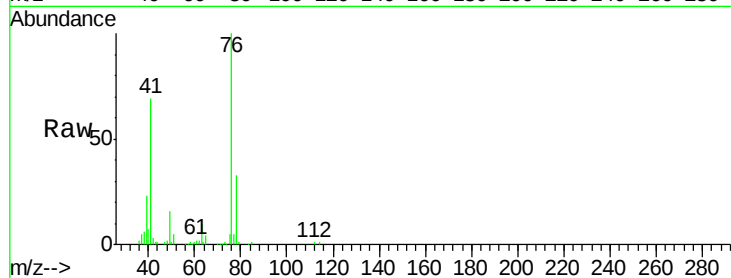
76 100

78 33.2 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 107.330 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013033.D

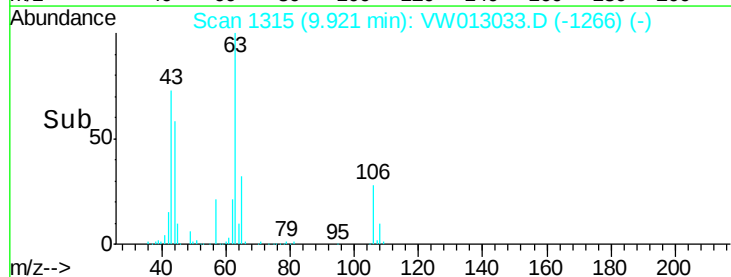
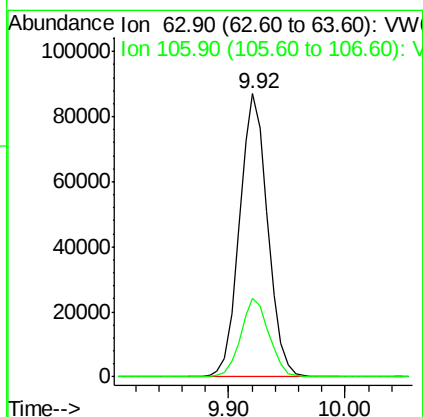
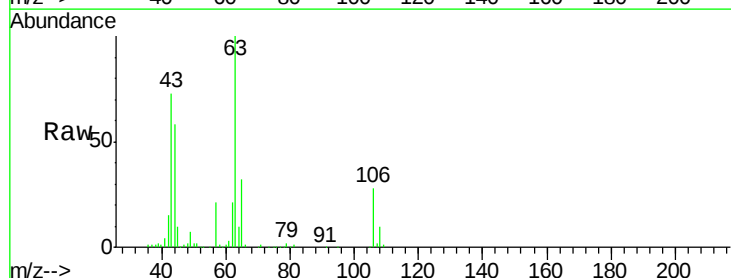
Acq: 16 Sep 2019 11:40

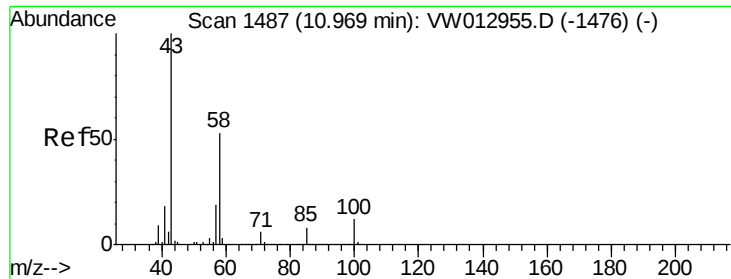
Tgt Ion: 63 Resp: 146193

Ion Ratio Lower Upper

63 100

106 27.8 22.2 33.2





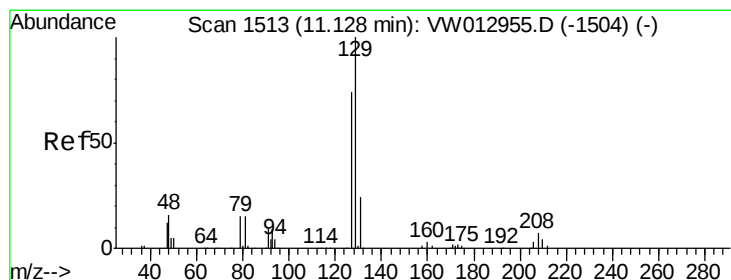
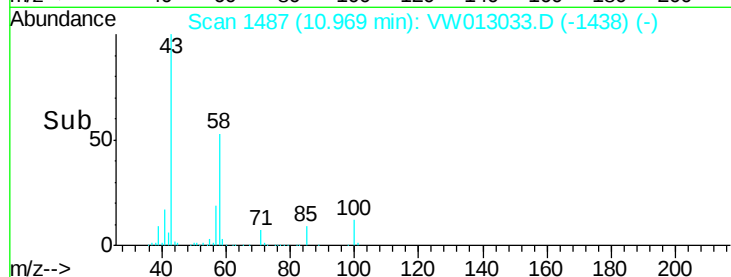
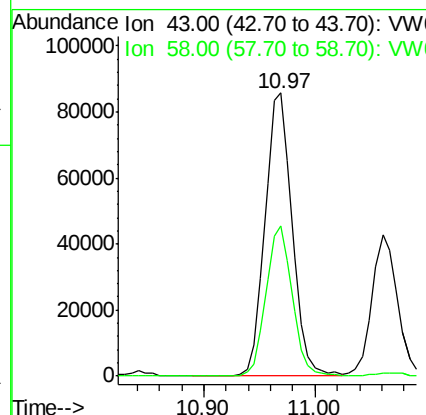
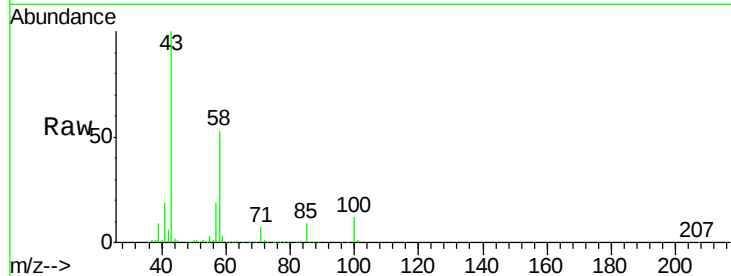
#59
2-Hexanone
Concen: 114.453 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	43	Resp	146122
Ion Ratio	43	100	
Lower	58	51.6	25.8
Upper			77.3

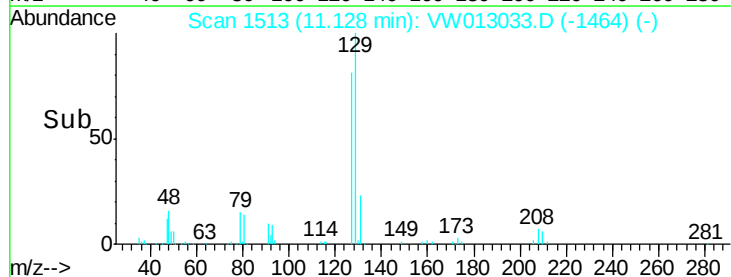
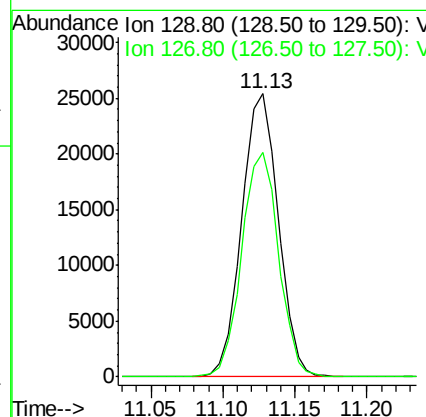
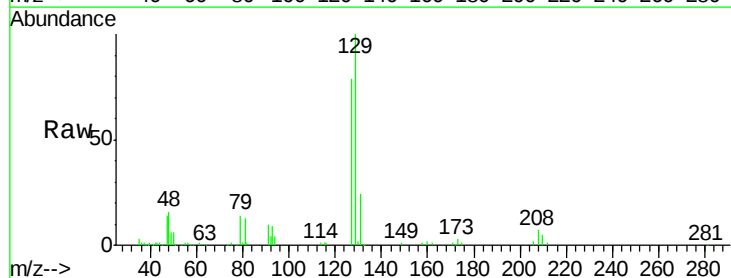
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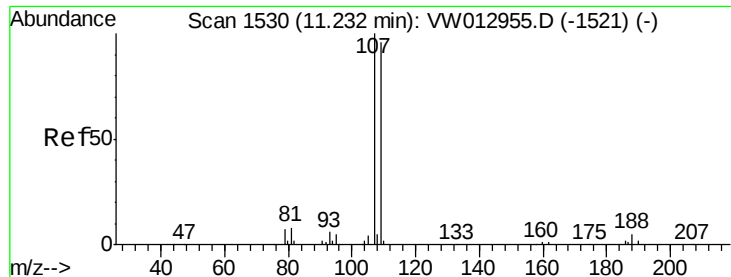
MMDadoda
9/18/2019 2:00:48 PM



#60
Dibromochloromethane
Concen: 19.631 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	129	Resp	44771
Ion Ratio	129	100	
Lower	127	79.9	37.4
Upper			112.2





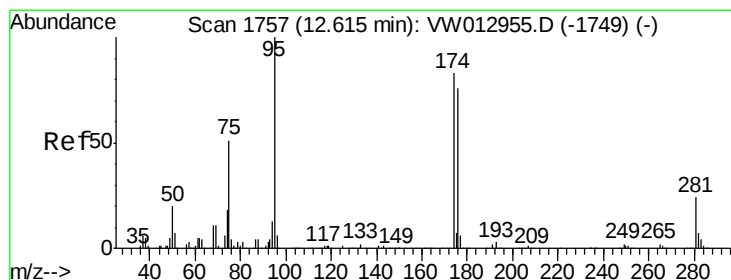
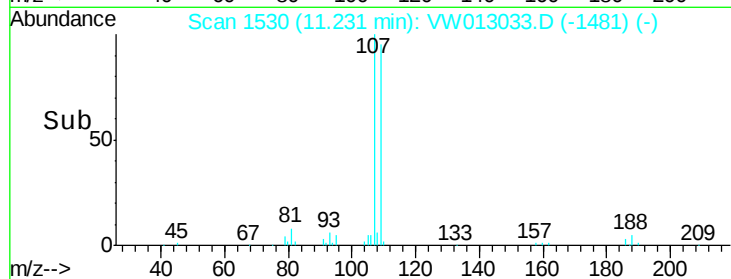
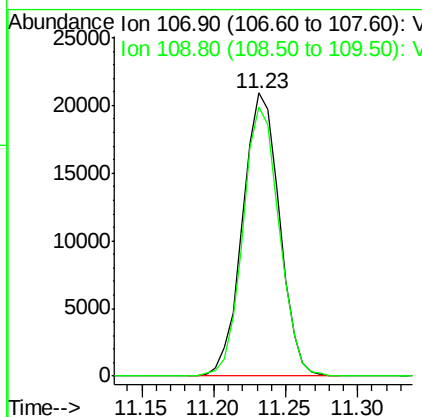
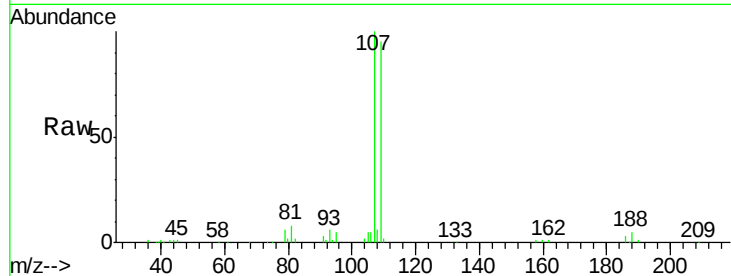
#61
 1,2-Dibromoethane
 Concen: 21.520 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.6

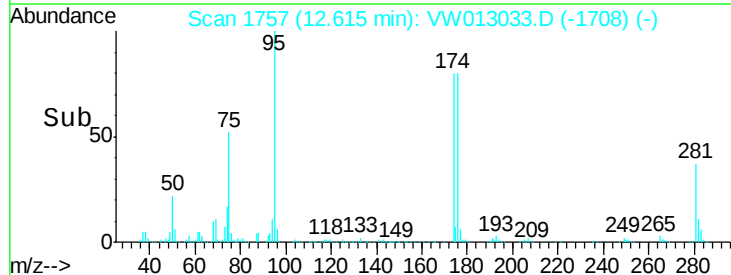
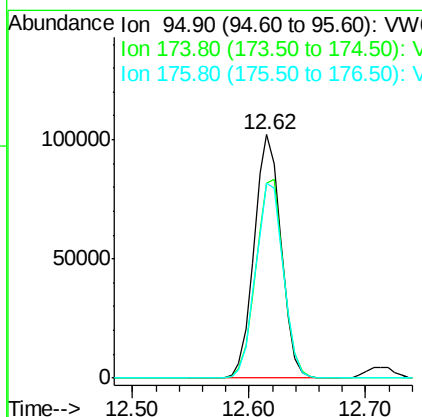
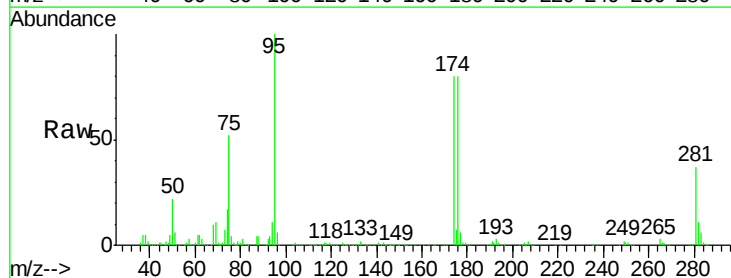
Manual Integrations
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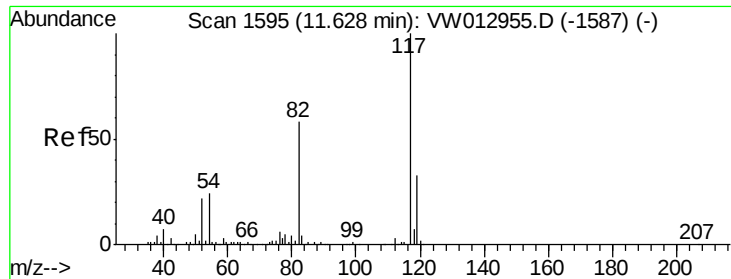
MMDadoda
 9/18/2019 2:00:48 PM



#62
 4-Bromofluorobenzene
 Concen: 49.446 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.4
176	82.4	0.0	164.6





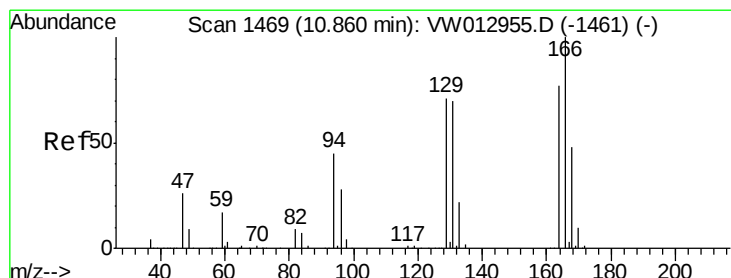
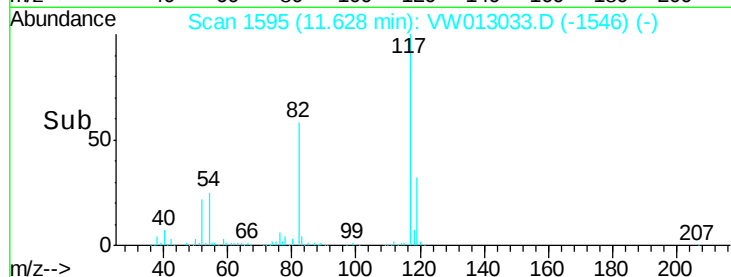
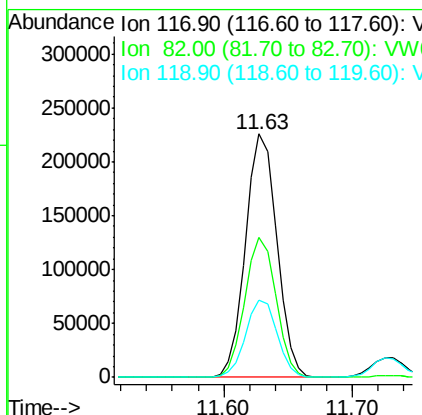
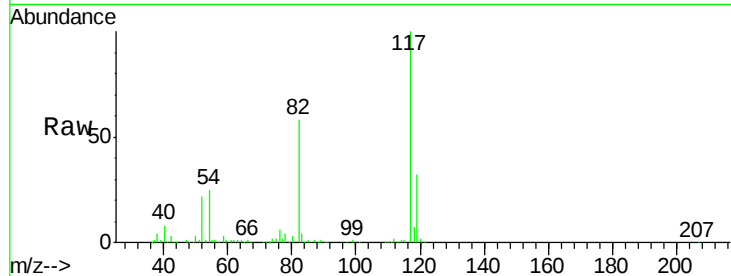
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	379950		
82	57.6	46.3	69.5	
119	31.9	26.2	39.4	

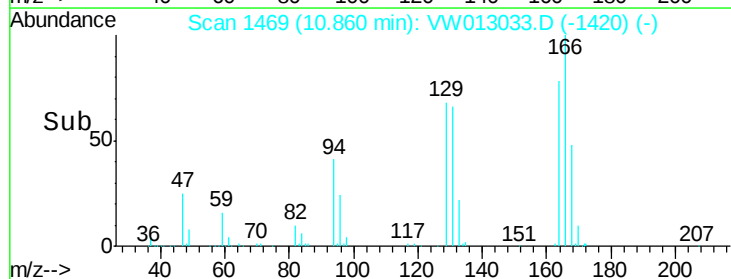
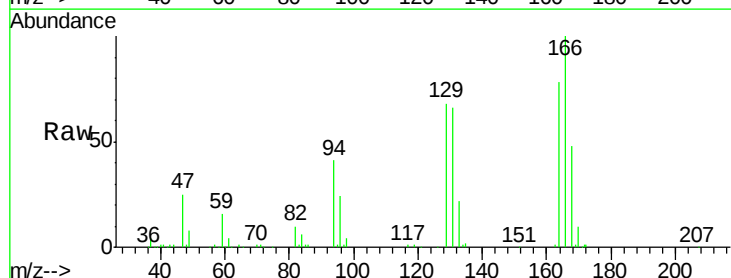
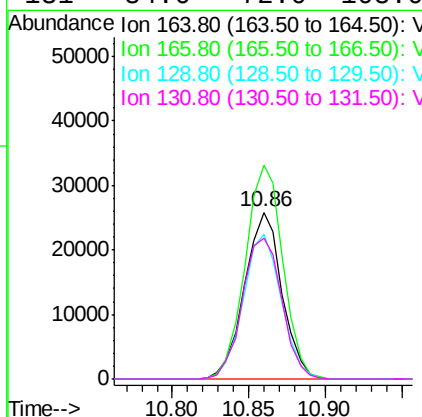
Manual Integrations
APPROVED

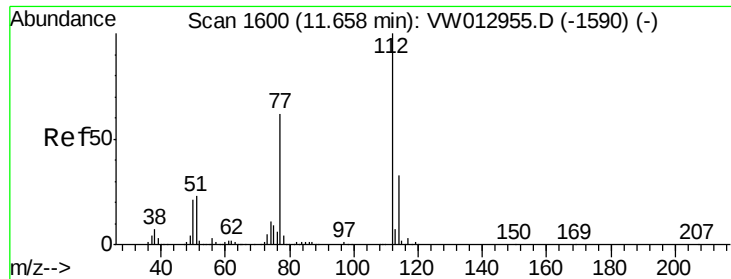
MMDadoda
9/18/2019 2:00:48 PM



#64
Tetrachloroethene
Concen: 19.450 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43964		
166	127.9	103.3	154.9	
129	86.5	73.8	110.8	
131	84.6	72.0	108.0	





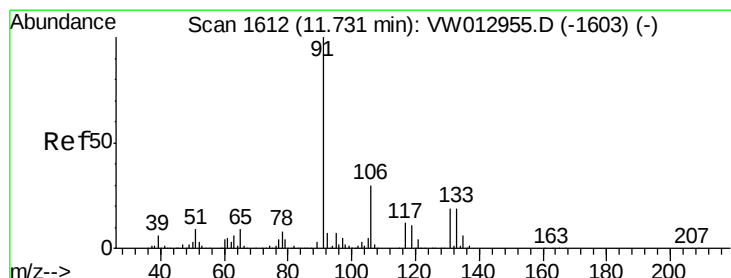
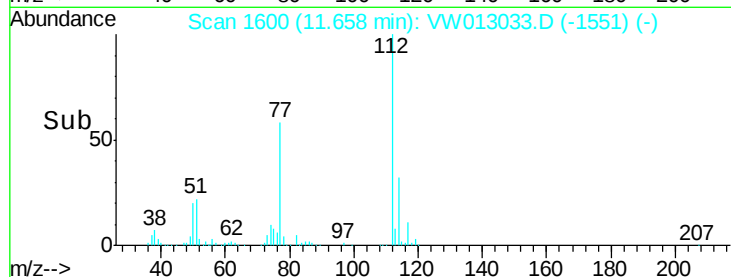
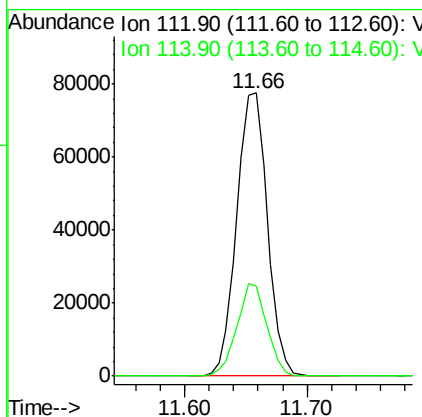
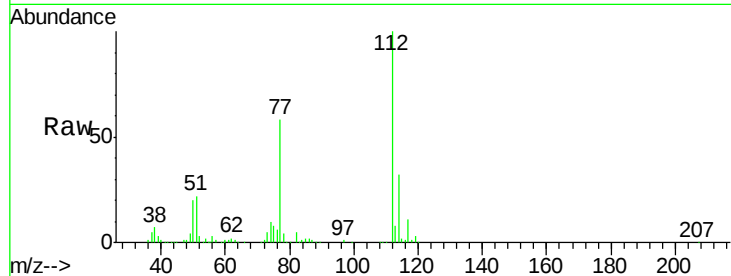
#65
Chlorobenzene
Concen: 19.931 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion:112 Resp: 134887
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6

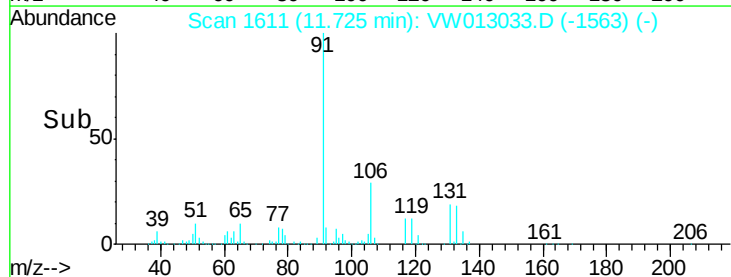
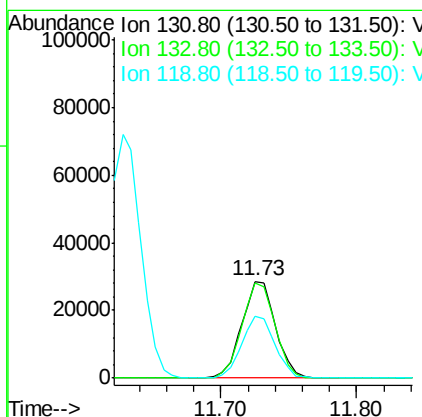
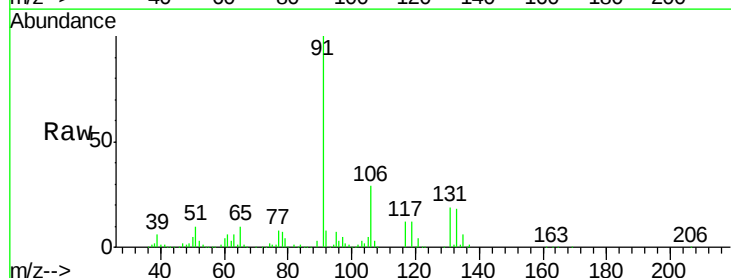
Manual Integrations
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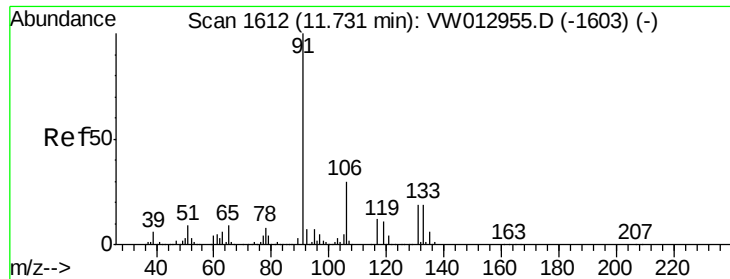
MMDadoda
9/18/2019 2:00:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.067 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion:131 Resp: 49451
Ion Ratio Lower Upper
131 100
133 97.0 47.9 143.8
119 63.3 30.9 92.7





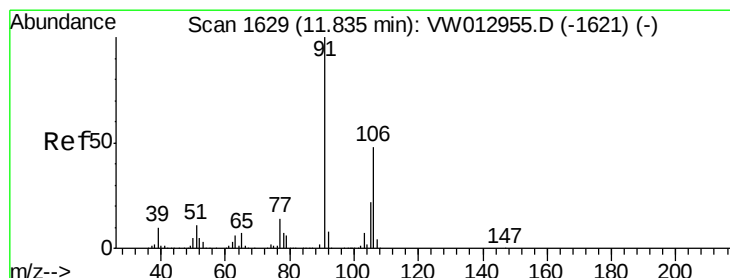
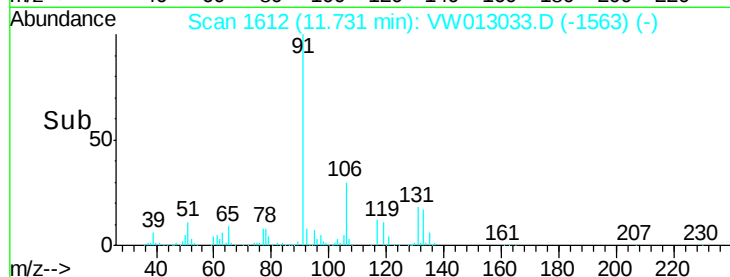
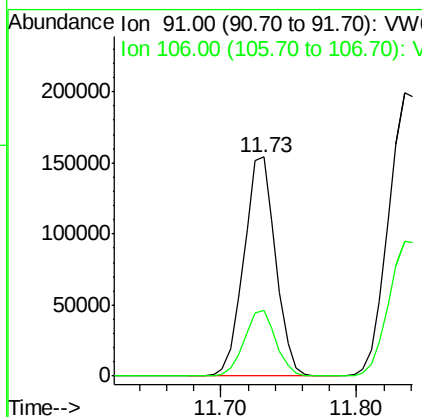
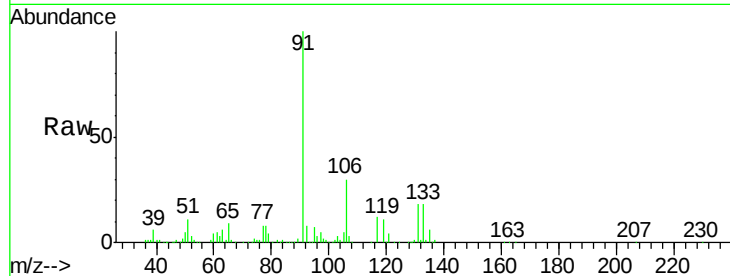
#67
Ethyl Benzene
Concen: 20.127 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5

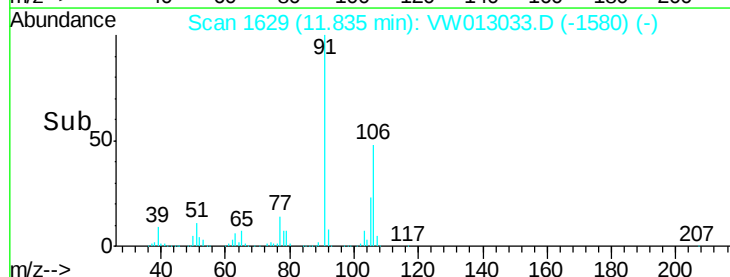
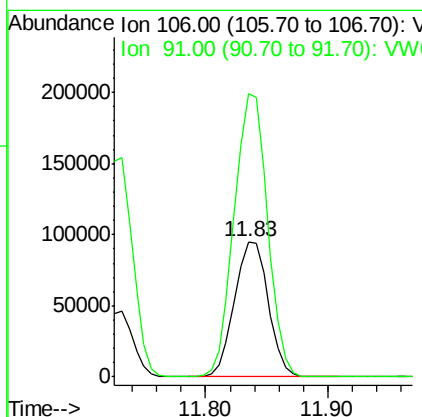
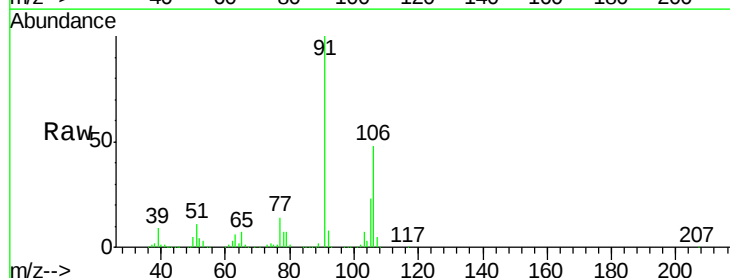
Manual Integrations
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#68
m/p-Xylenes
Concen: 39.837 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.5	165.8	248.8





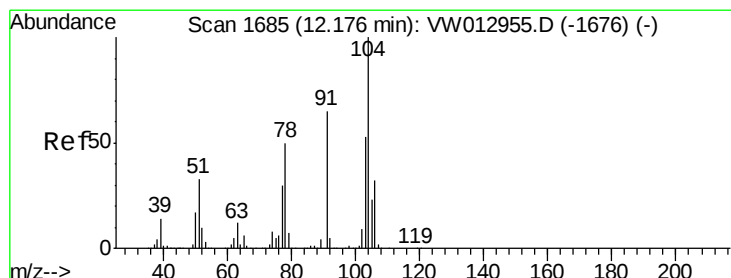
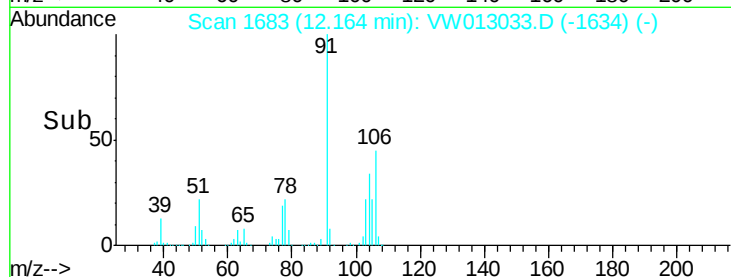
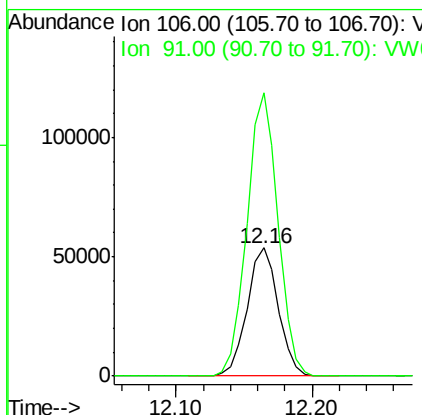
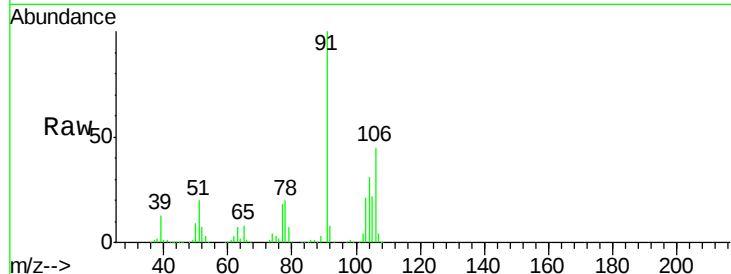
#69
o-Xylene
Concen: 20.070 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion:106 Resp: 85917
Ion Ratio Lower Upper
106 100
91 220.7 109.7 329.0

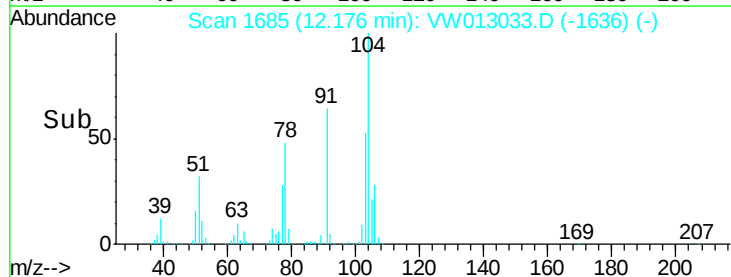
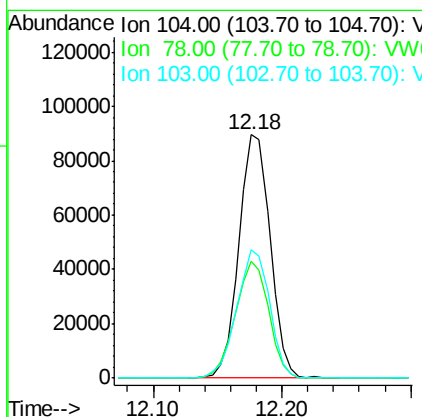
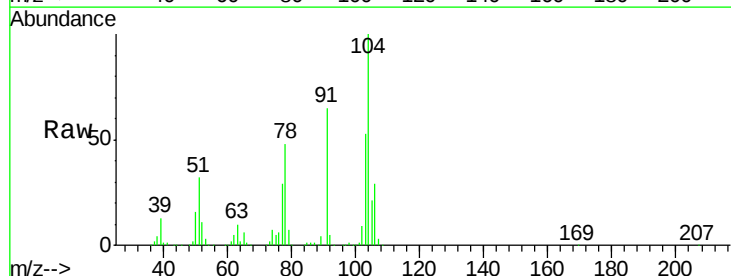
Manual Integrations
APPROVED

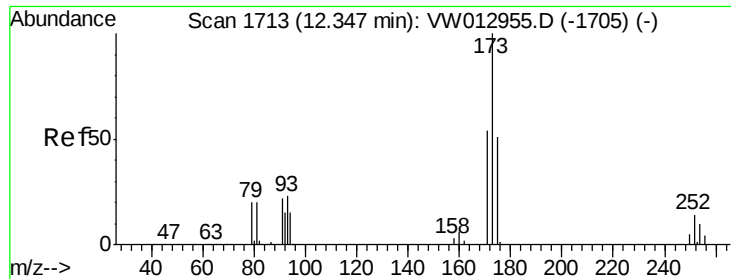
MMDadoda
9/18/2019 2:00:48 PM



#70
Styrene
Concen: 19.796 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion:104 Resp: 150748
Ion Ratio Lower Upper
104 100
78 51.3 42.1 63.1
103 55.5 44.2 66.4





#71

Bromoform

Concen: 20.181 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS01

Tot Ion:173 Resp: 27493

Ion Ratio Lower Upper

173 100

175 48.8 24.2 72.6

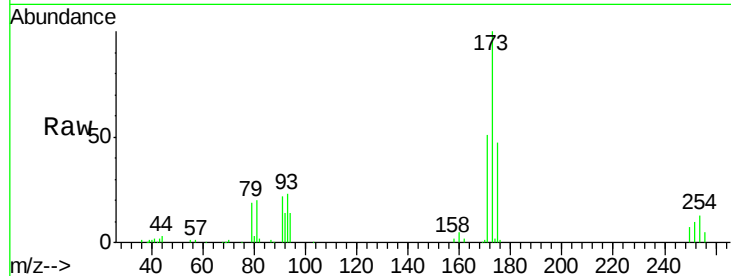
254 0.1 0.1 0.1

Manual Integrations

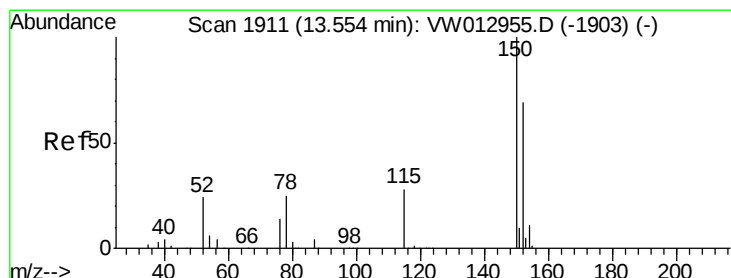
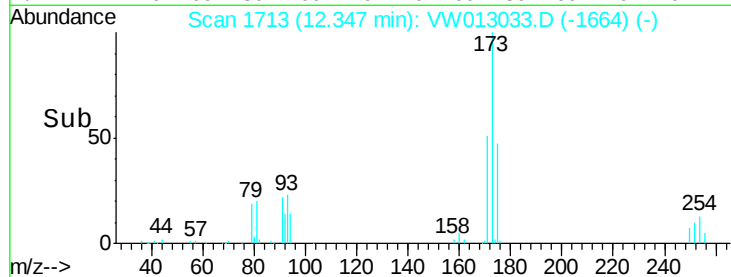
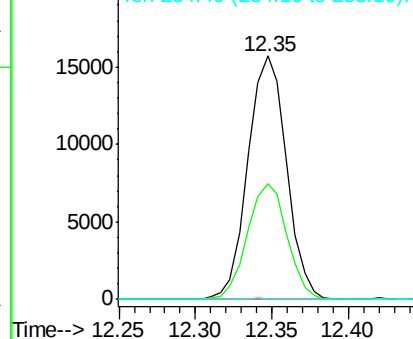
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

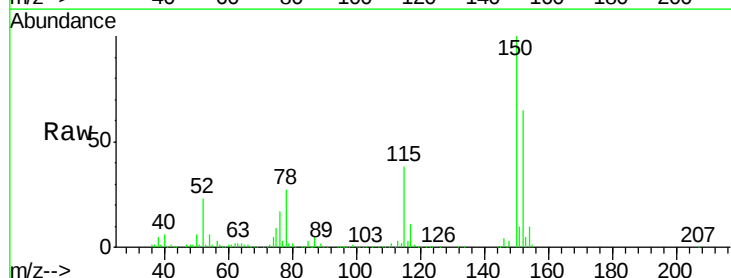
Tgt Ion:152 Resp: 195768

Ion Ratio Lower Upper

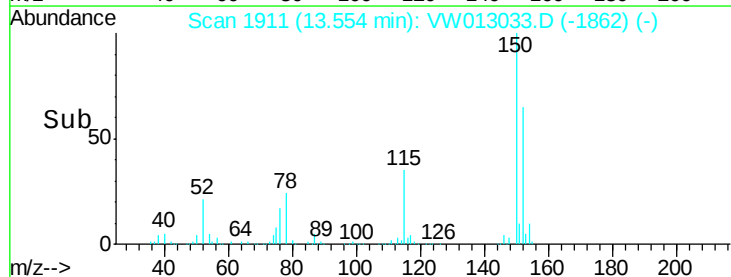
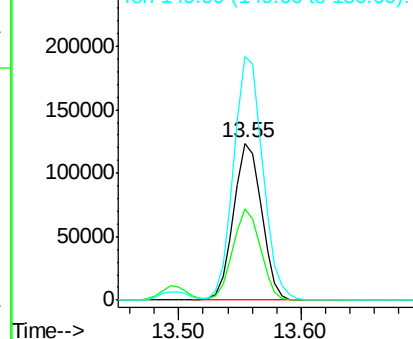
152 100

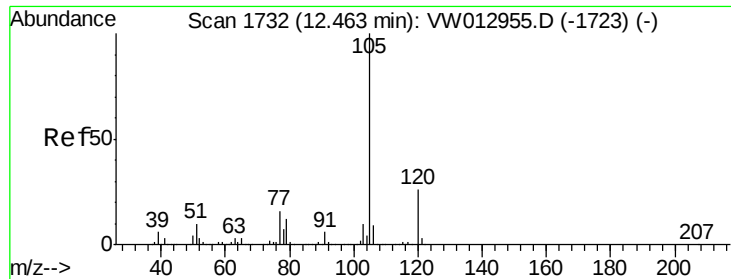
115 57.4 28.8 86.4

150 161.2 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





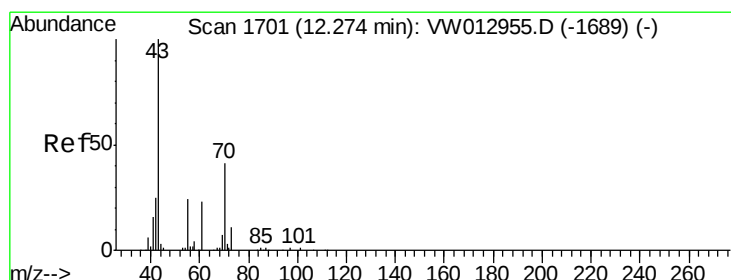
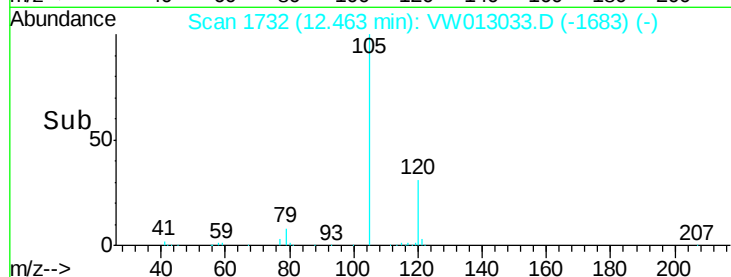
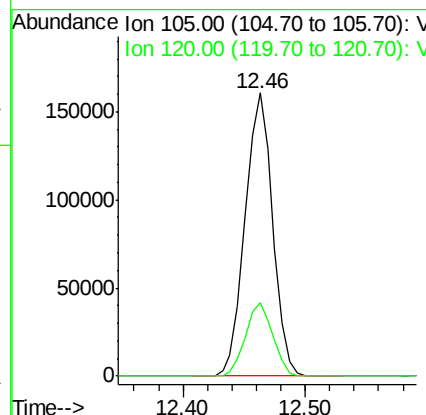
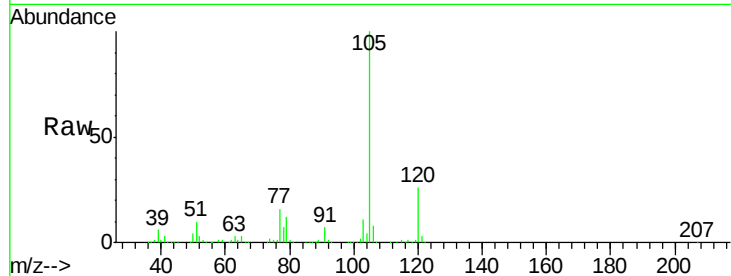
#73
Isopropylbenzene
Concen: 19.303 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion: 105 Resp: 250482
Ion Ratio Lower Upper
105 100
120 25.7 13.0 39.0

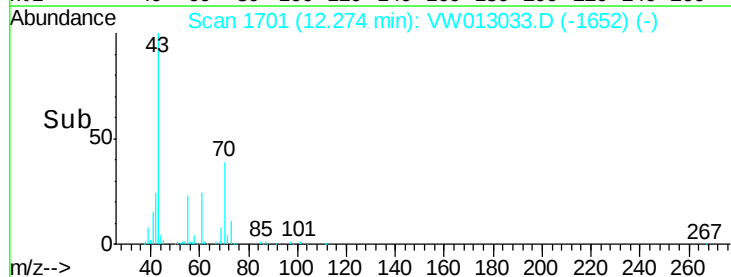
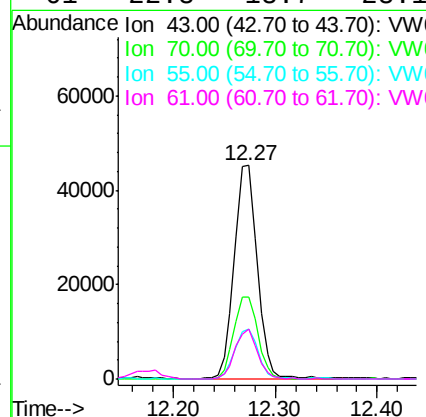
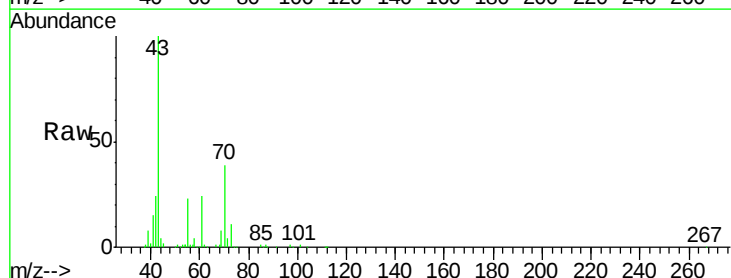
Manual Integrations
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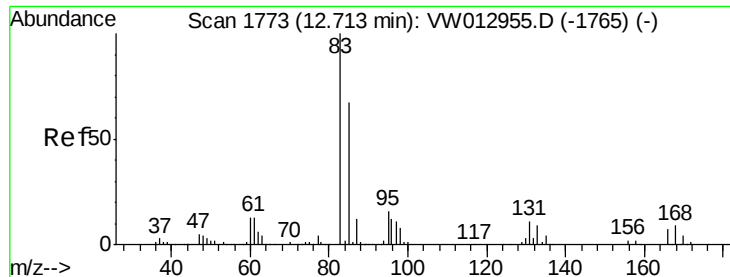
MMDadoda
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#74
N-ethyl acetate
Concen: 21.156 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion: 43 Resp: 70619
Ion Ratio Lower Upper
43 100
70 40.5 31.7 47.5
55 23.9 19.4 29.2
61 22.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.750 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

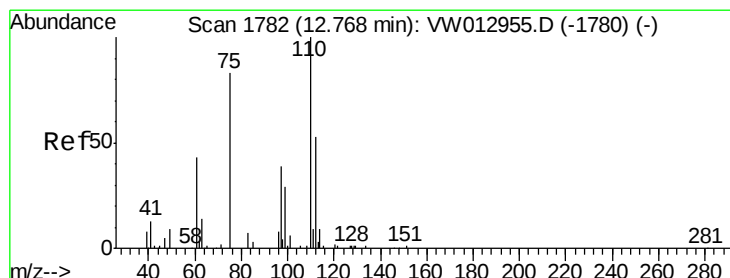
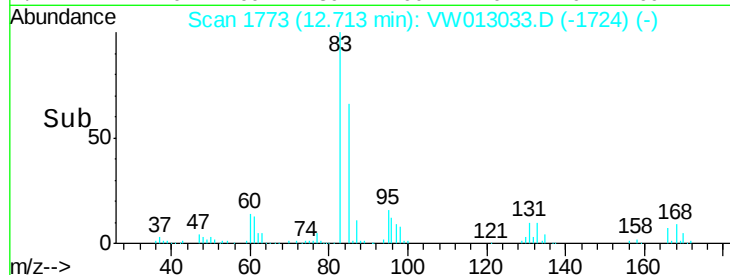
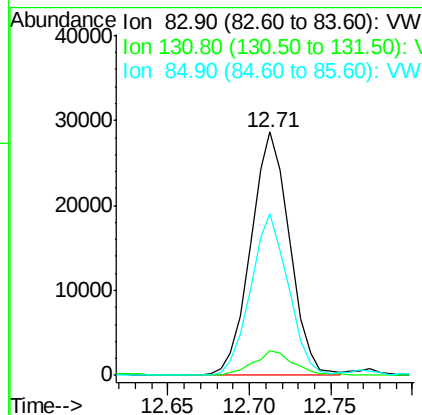
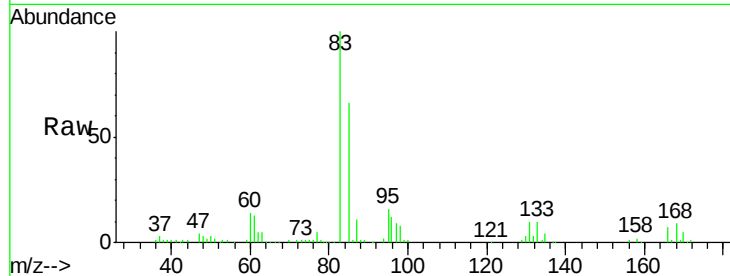
ClientSampleId :

VW0916SBS01

Tot Ion:	83	Resp:	47290
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.7	17.1
85	64.3	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.190 ug/l m

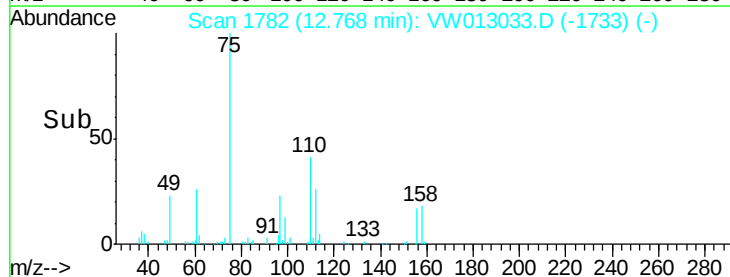
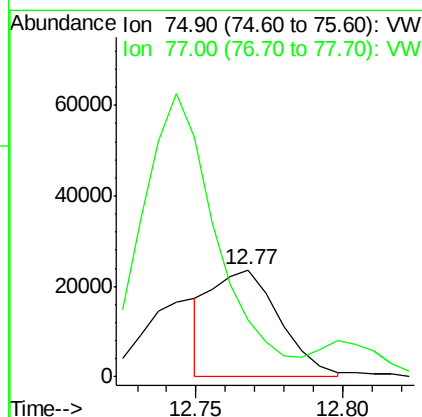
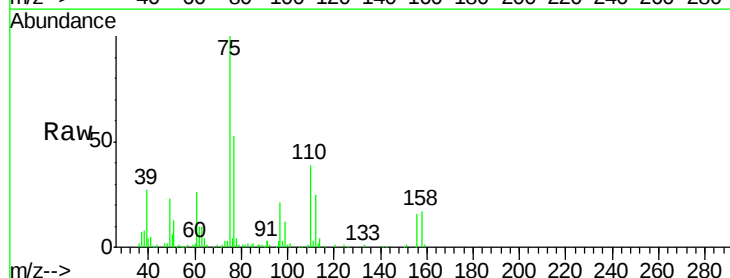
RT: 12.77 min Scan# 1782

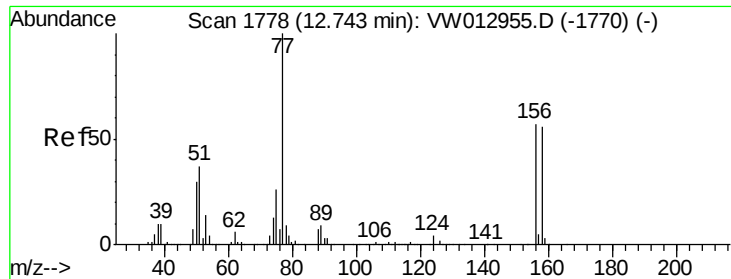
Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion:	75	Resp:	38051
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.446 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

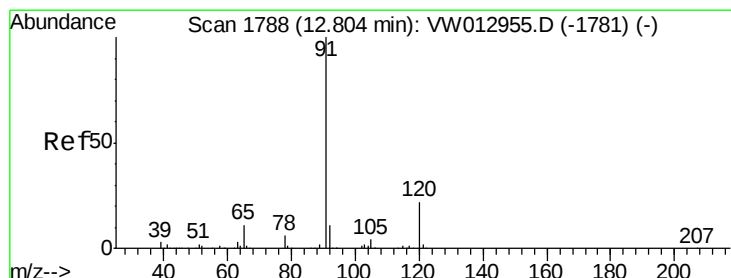
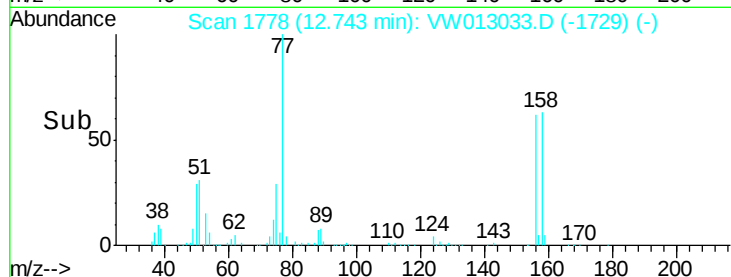
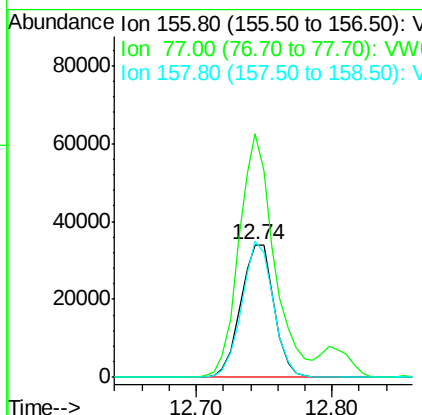
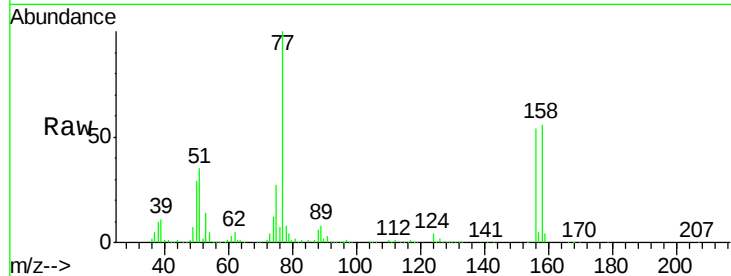
ClientSampleId :

VW0916SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		58132		
77	193.7	95.2	285.6		
158	97.0	49.0	147.2		

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#78

n-propylbenzene

Concen: 19.484 ug/l

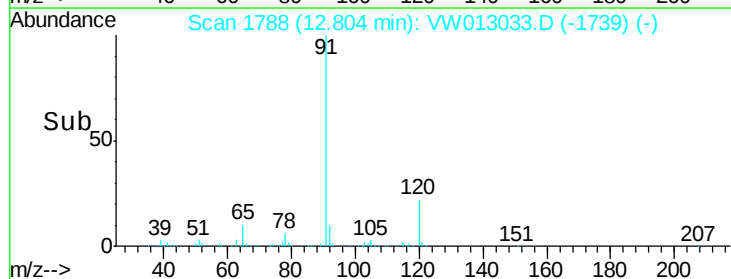
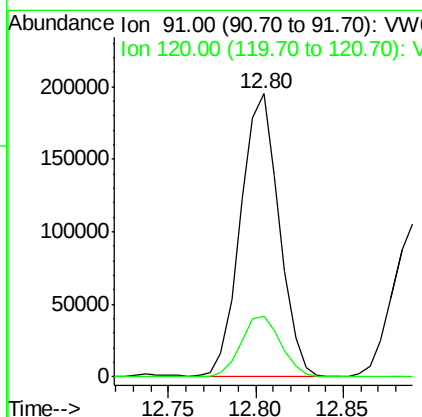
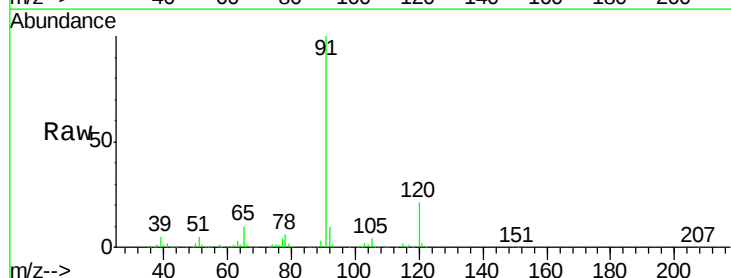
RT: 12.80 min Scan# 1788

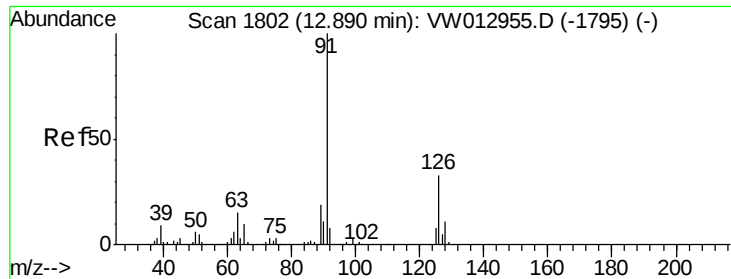
Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		297397		
120	22.4	11.2	33.5		





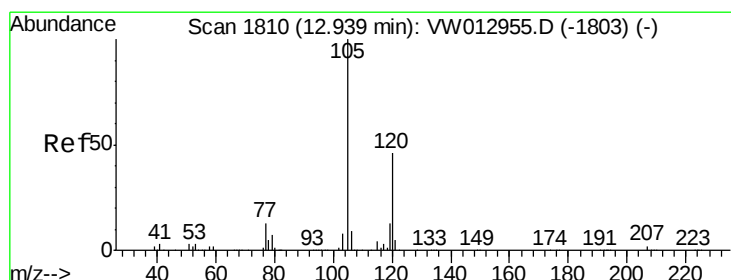
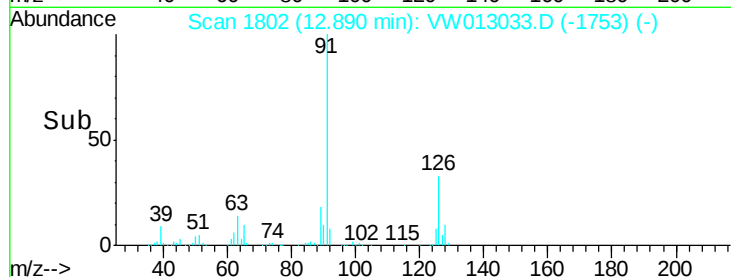
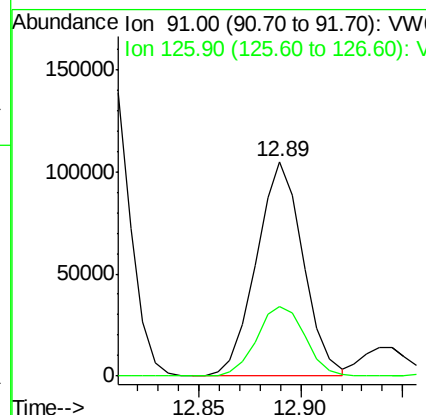
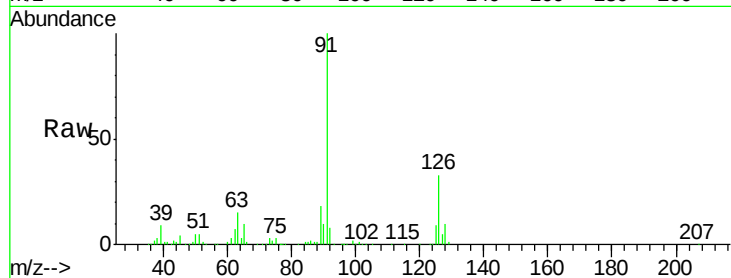
#79
2-Chlorotoluene
Concen: 18.970 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.5	49.5

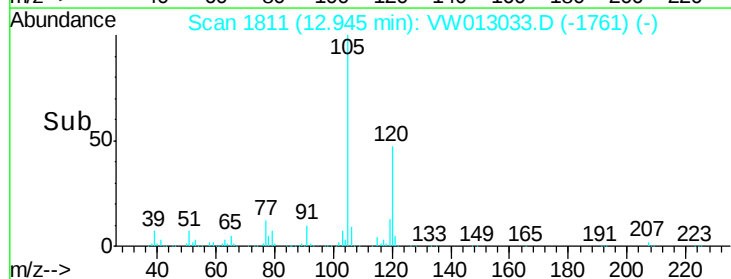
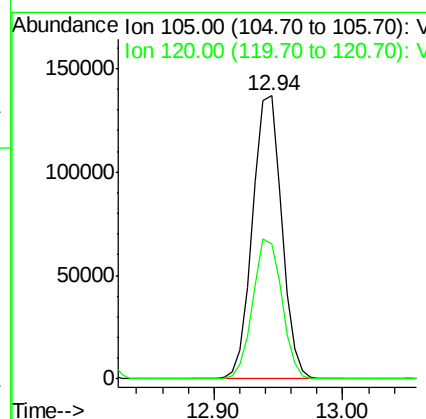
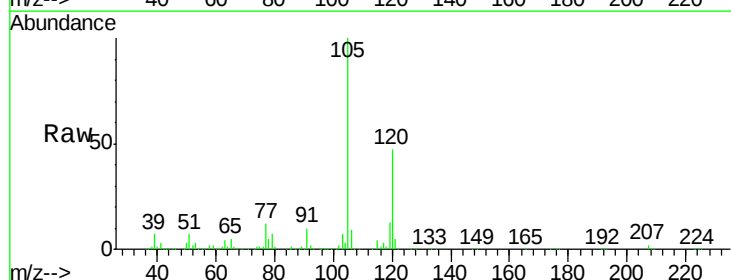
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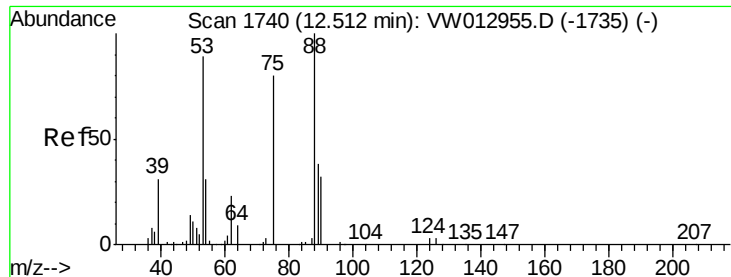
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#80
1,3,5-Trimethylbenzene
Concen: 19.396 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.2	72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.397 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Instrument :

MSVOA_W

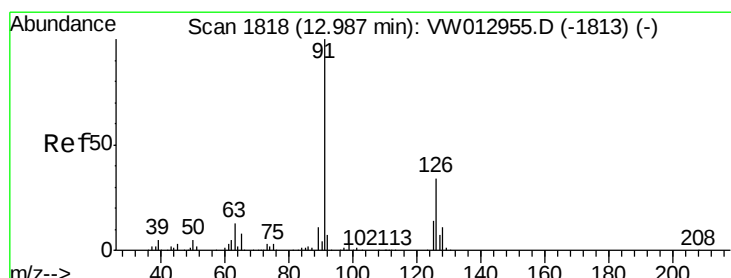
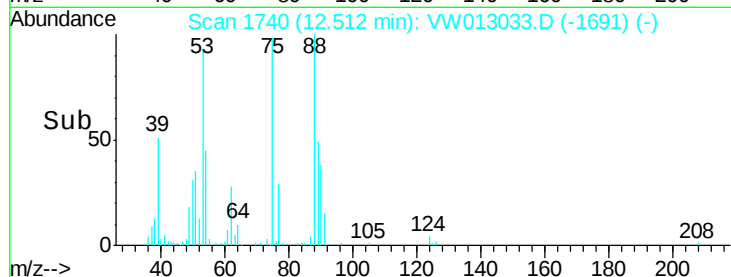
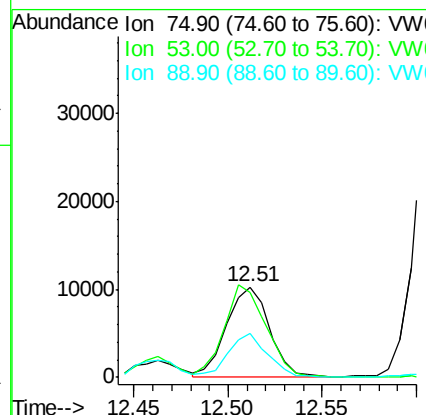
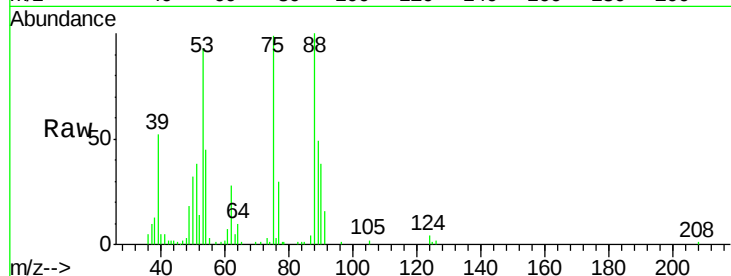
ClientSampleId :

VW0916SBS01

Tot Ion:	75	Resp:	16174
Ion	Ratio	Lower	Upper
75	100		
53	100.8	85.6	128.4
89	44.7	37.2	55.8

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#82

4-Chlorotoluene

Concen: 19.055 ug/l

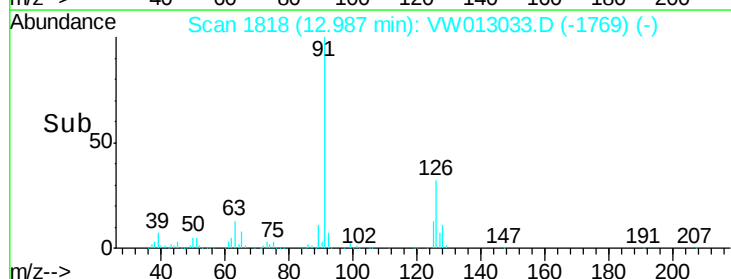
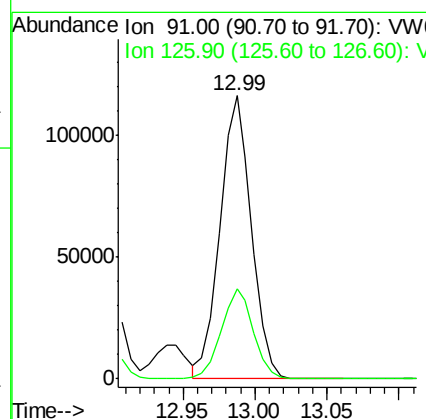
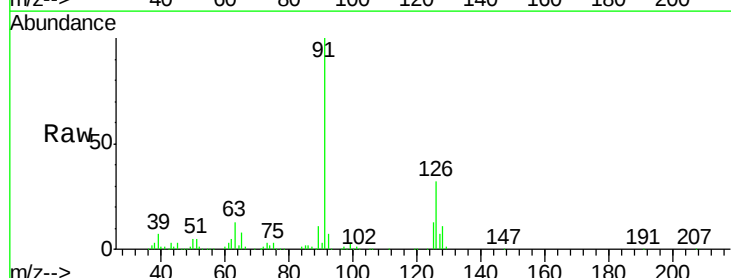
RT: 12.99 min Scan# 1818

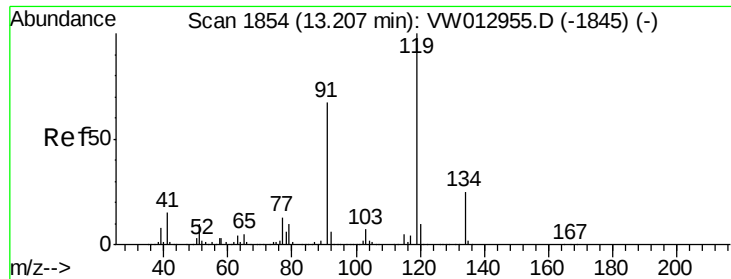
Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion:	91	Resp:	176408
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3





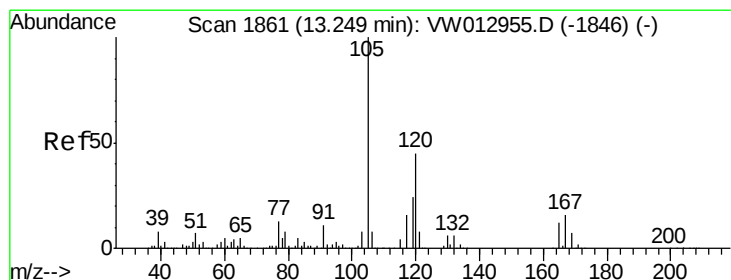
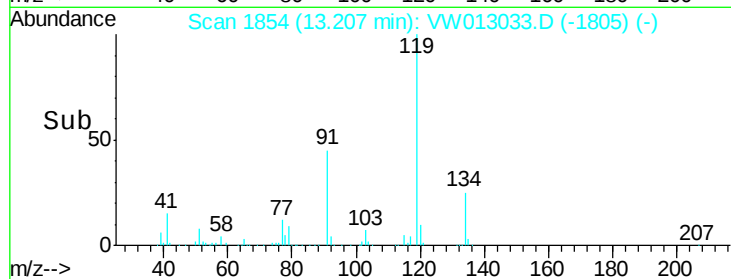
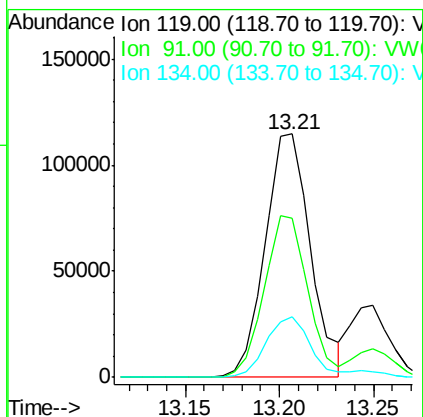
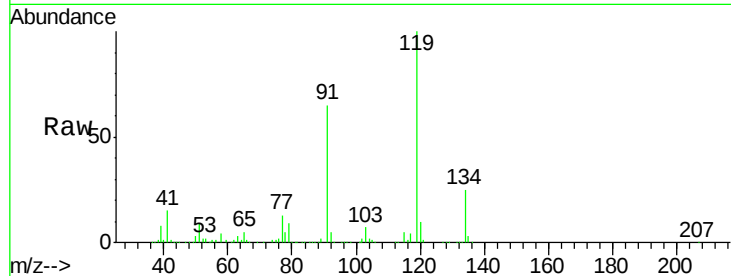
#83
 tert-Butylbenzene
 Concen: 19.544 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191904		
91	63.8	32.6	98.0	
134	24.4	12.4	37.4	

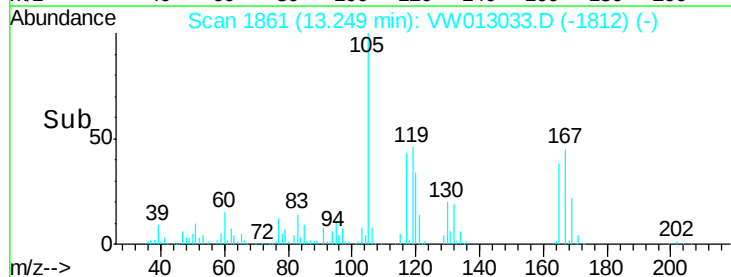
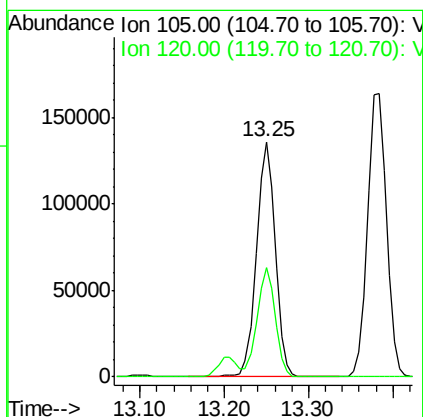
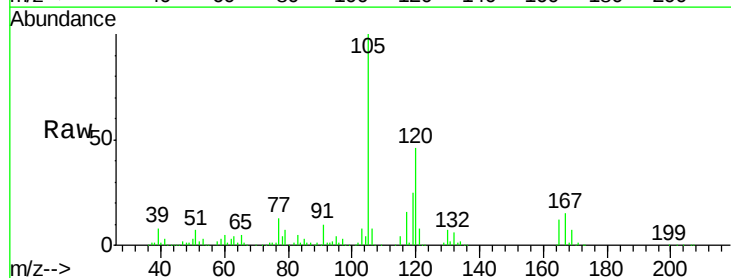
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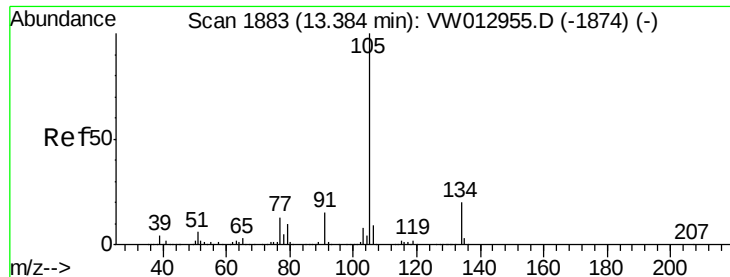
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.344 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209840		
120	44.2	21.9	65.7	





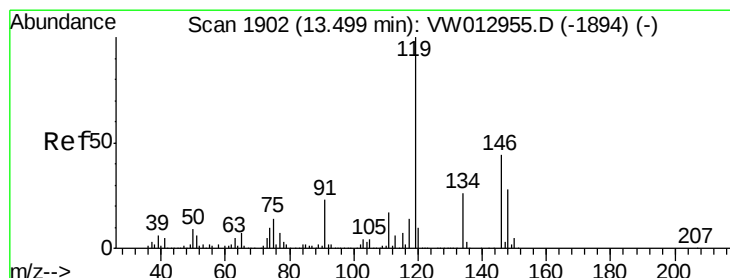
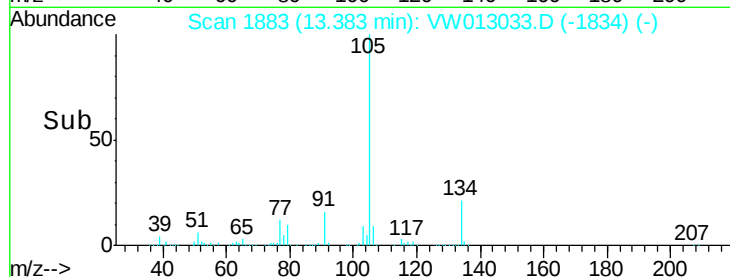
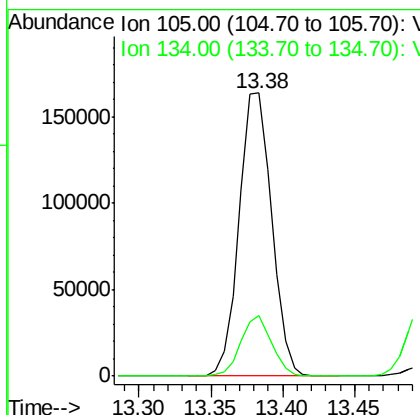
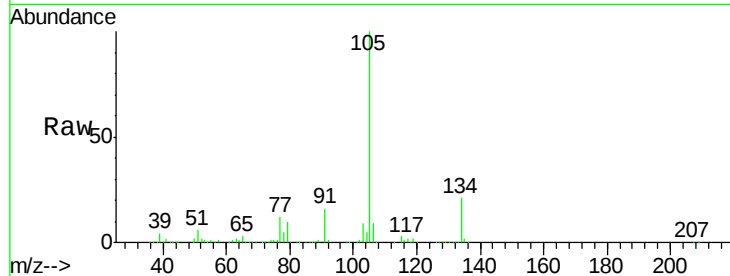
#85
 sec-Butylbenzene
 Concen: 19.263 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.4

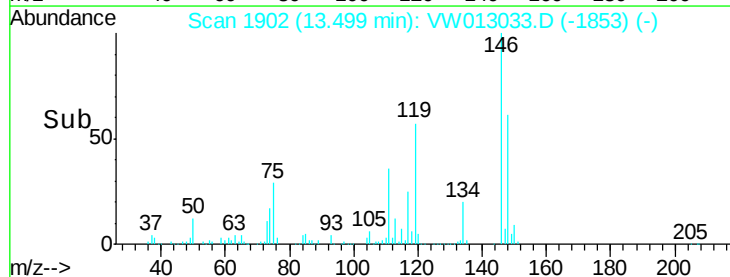
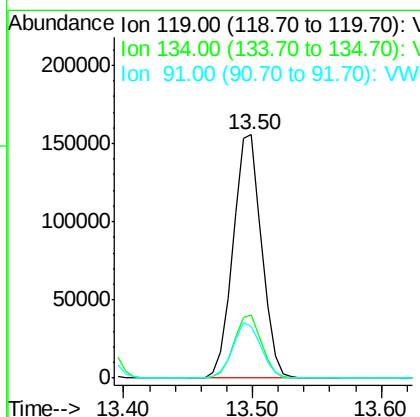
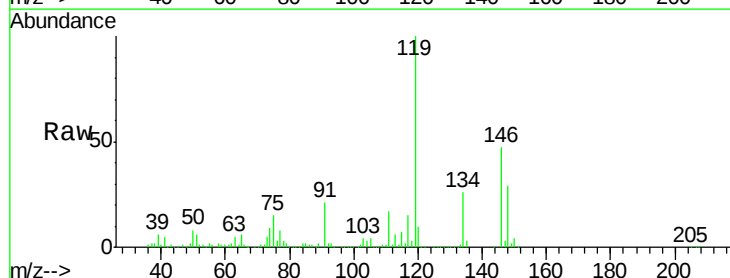
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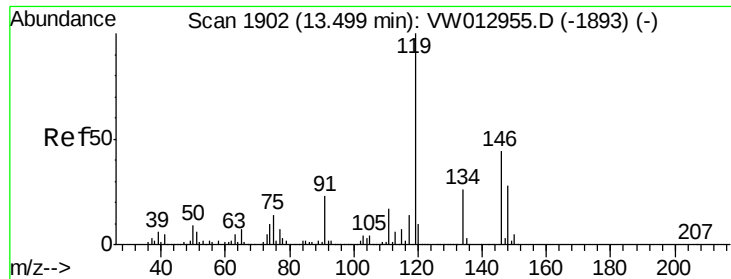
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#86
 p-Isopropyltoluene
 Concen: 19.403 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	22.8	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 19.379 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

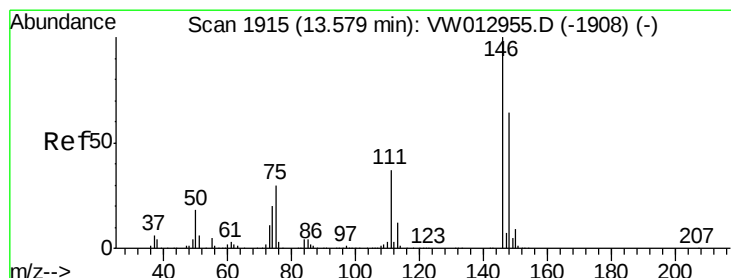
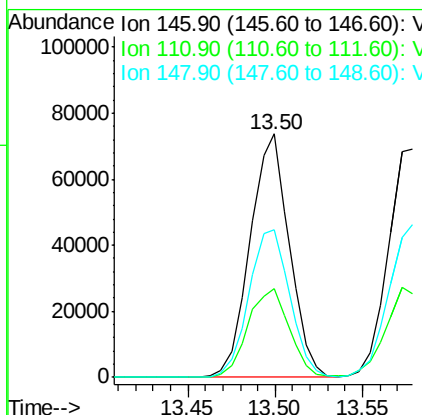
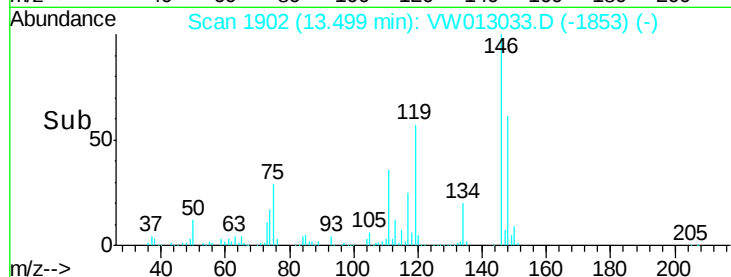
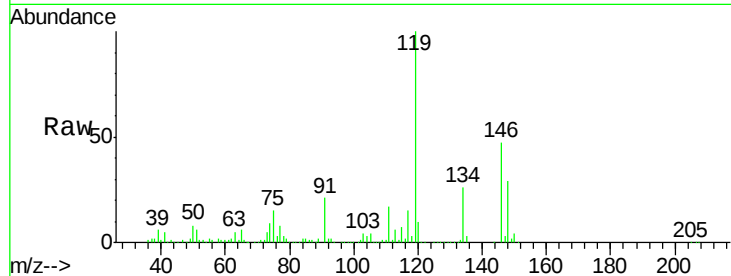
Instrument :
MSVOA_W

ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114679		
111	38.5	19.8	59.4	
148	63.5	31.9	95.7	

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#88

1,4-Dichlorobenzene

Concen: 19.396 ug/l

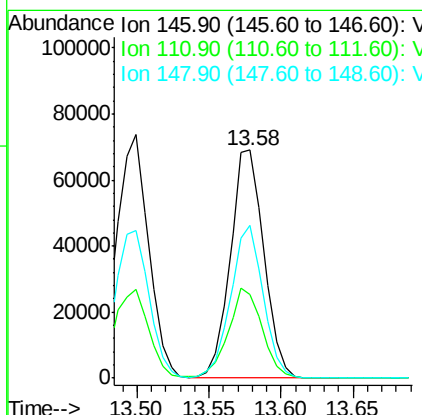
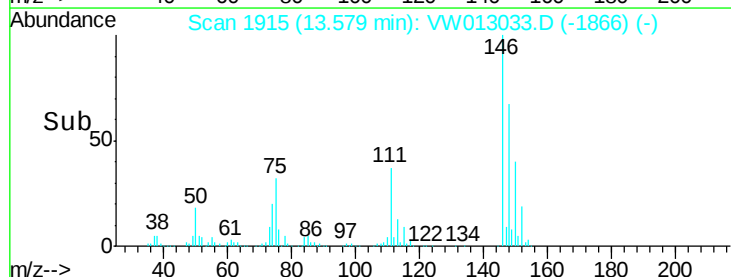
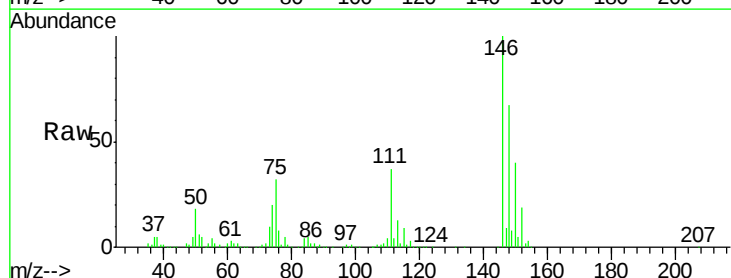
RT: 13.58 min Scan# 1915

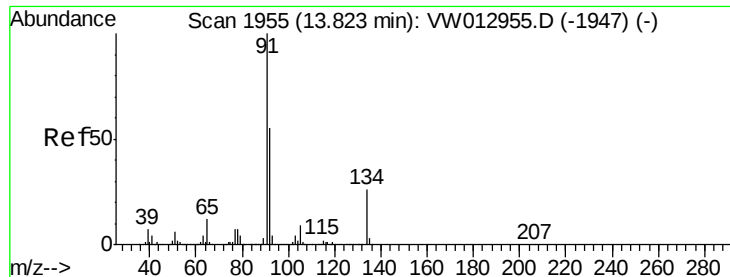
Delta R.T. -0.00 min

Lab File: VW013033.D

Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112793		
111	40.0	19.4	58.2	
148	64.4	31.9	95.5	





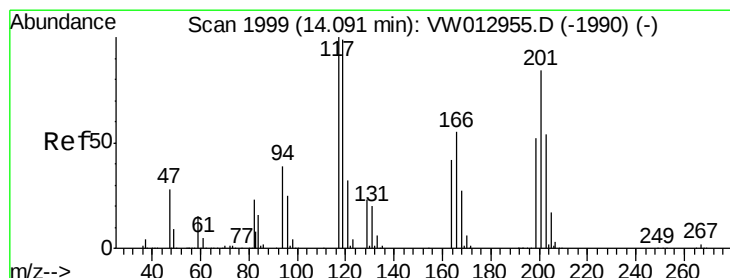
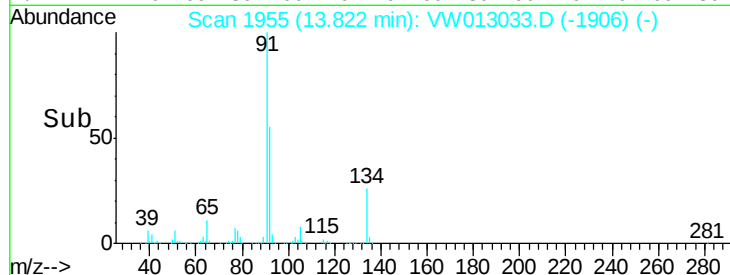
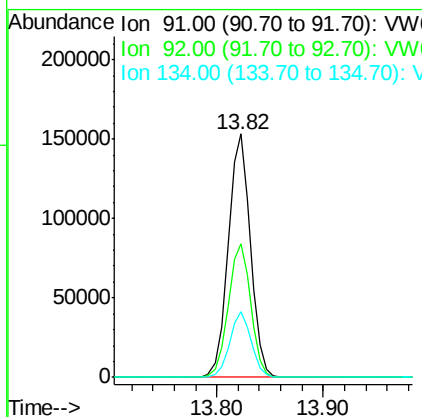
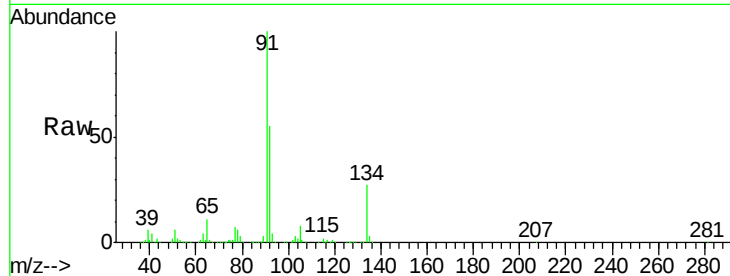
#89
n-Butylbenzene
Concen: 19.307 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.2	81.5
134	26.2	13.1	39.1

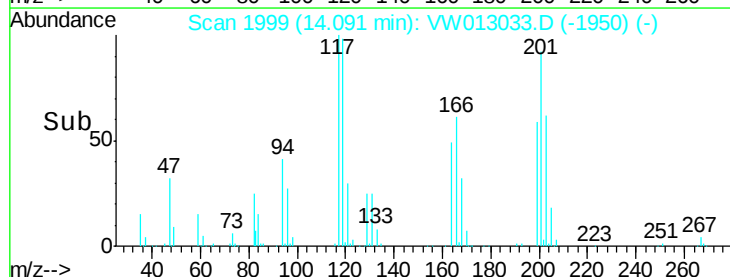
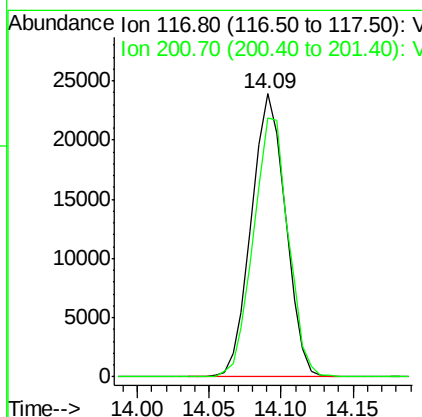
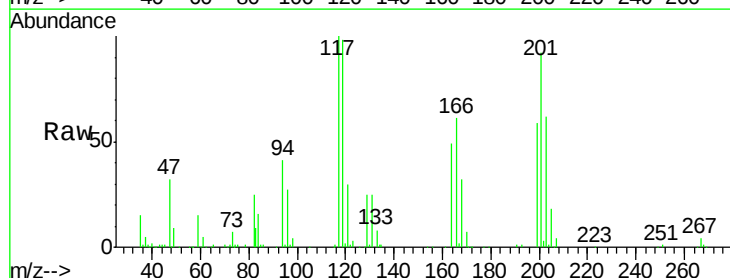
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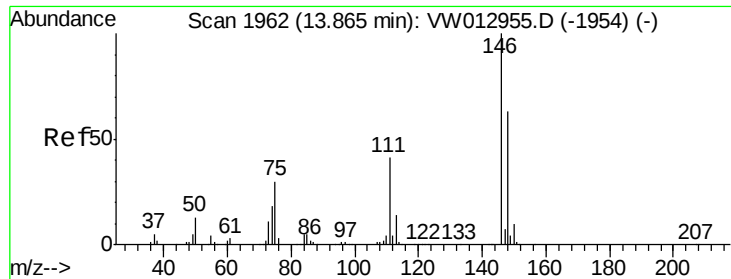
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#90
Hexachloroethane
Concen: 17.832 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.3	45.3	135.9





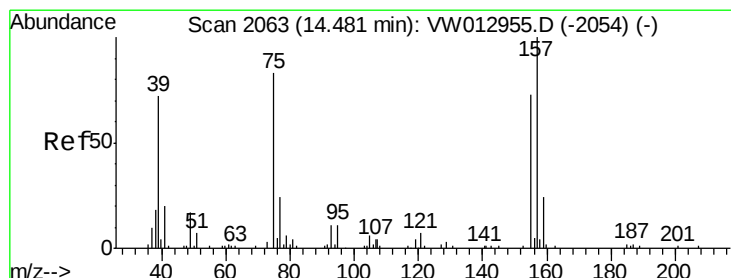
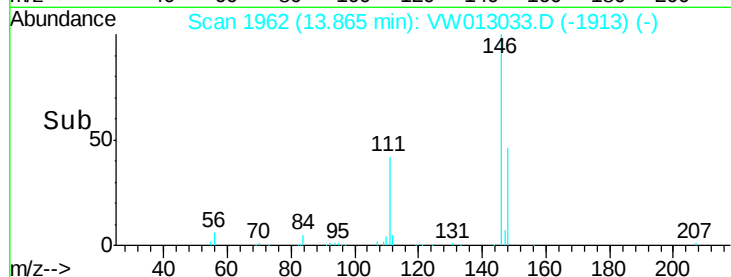
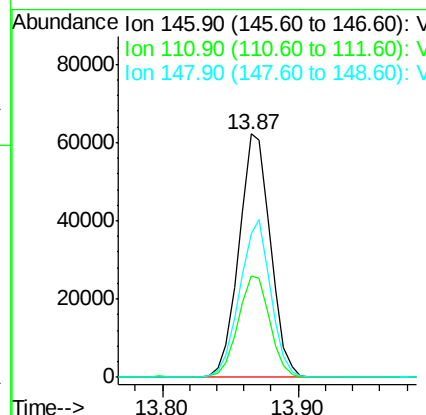
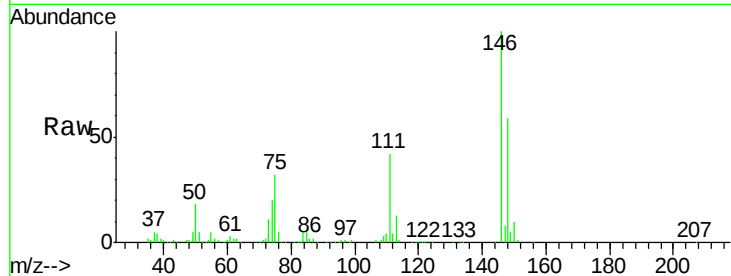
#91
 1,2-Dichlorobenzene
 Concen: 19.262 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.5
148	63.3	32.7	98.1

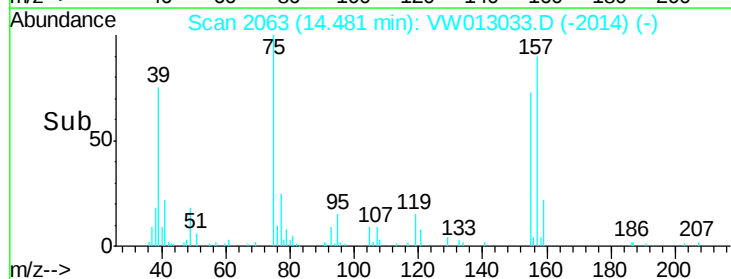
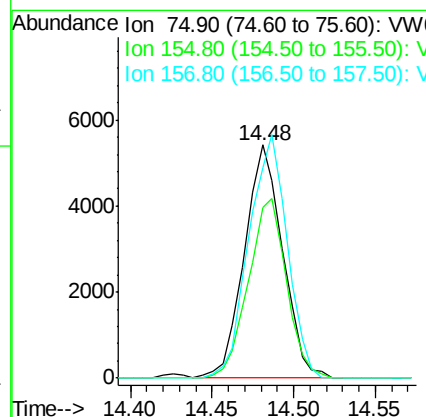
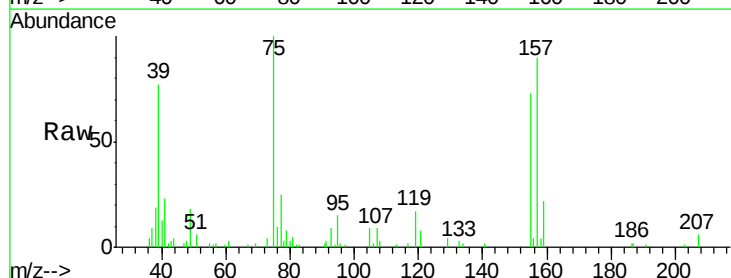
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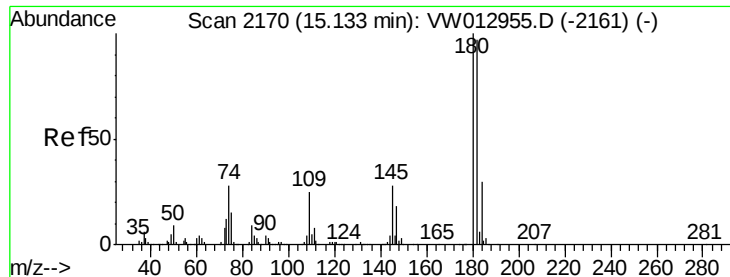
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.234 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	43.3	129.9
157	104.4	54.7	164.1





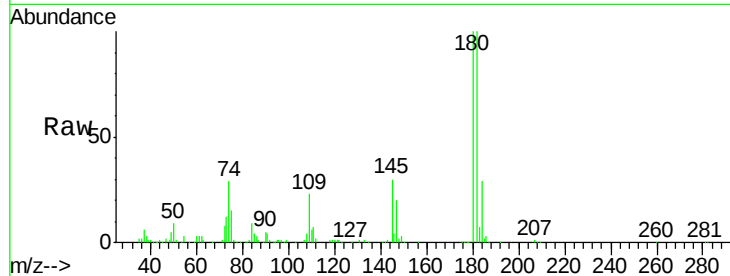
#93
 1,2,4-Trichlorobenzene
 Concen: 20.025 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

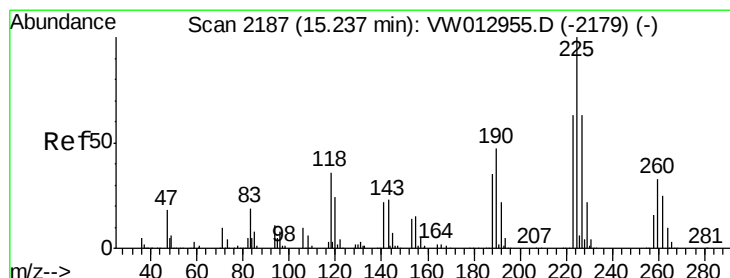
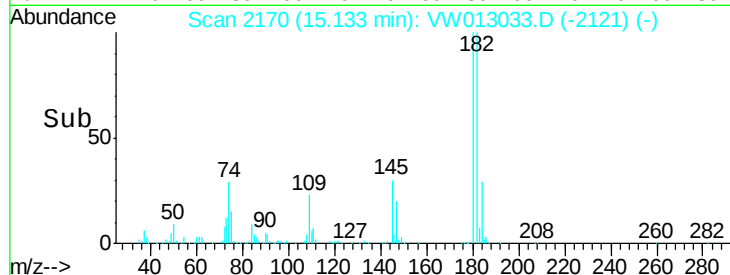
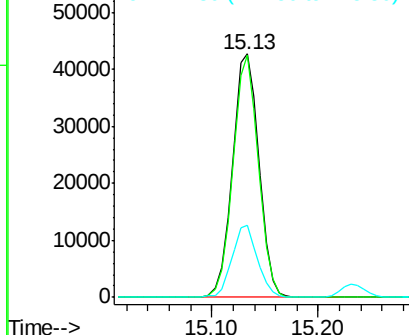
Tot Ion	Ratio	Resp	Lower	Upper
180	100	74319		
182	95.1	47.4	142.2	
145	28.6	14.9	44.7	

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MMDadoda
 9/18/2019 2:00:48 PM

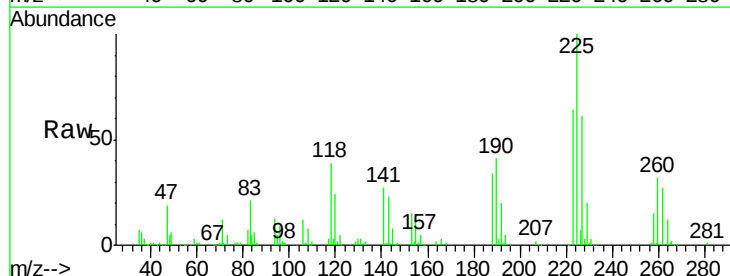


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

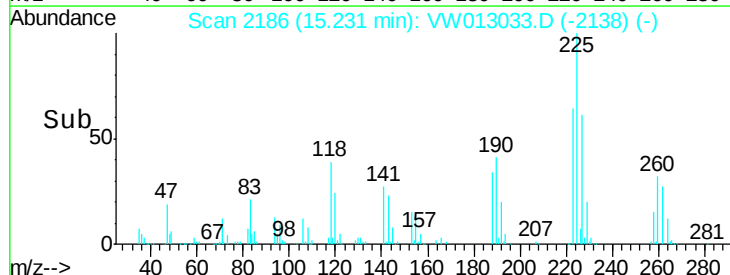
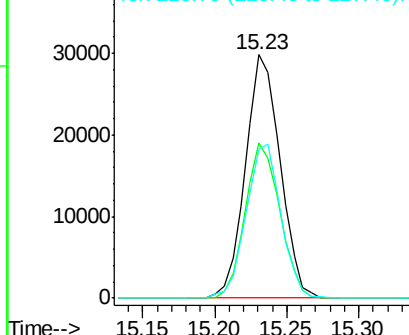


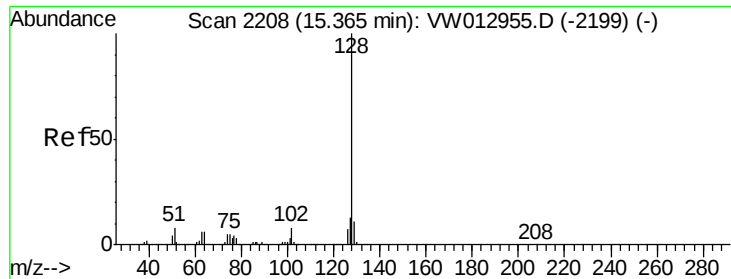
#94
 Hexachlorobutadiene
 Concen: 18.851 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013033.D
 Acq: 16 Sep 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49528		
223	63.8	31.8	95.3	
227	63.4	31.3	93.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





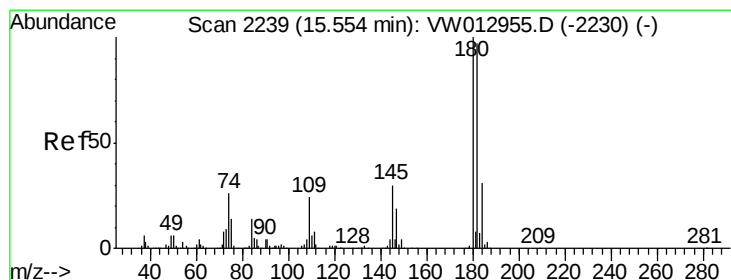
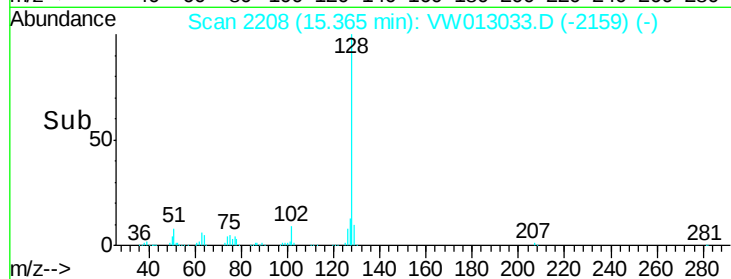
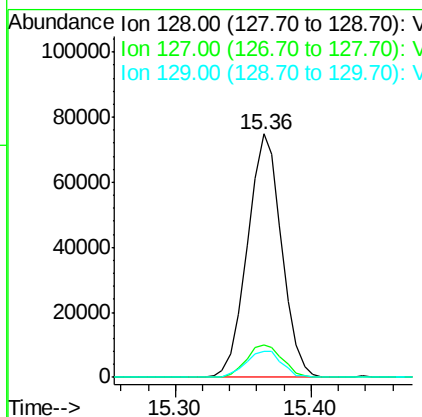
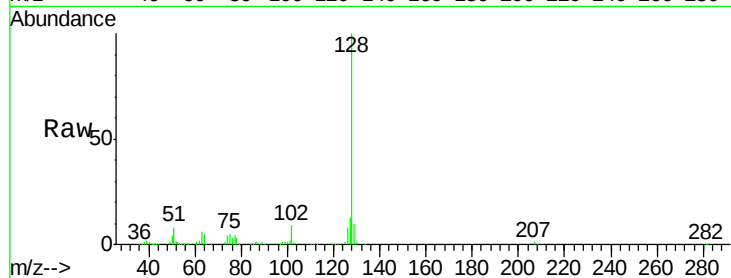
#95
Naphthalene
Concen: 21.219 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS01

Tot Ion:	128	Resp:	131583
Ion Ratio	Lower	Upper	
128	100		
127	14.1	11.0	16.6
129	11.4	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 19.864 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013033.D
Acq: 16 Sep 2019 11:40

Tgt Ion:	180	Resp:	65169
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.6	142.8
145	30.8	15.4	46.2

