

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012036.D
 Acq On : 20 Aug 2019 18:19
 Operator : SY/VA
 Sample : VW0820SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:29:57 AM

Quant Time: Aug 21 01:55:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	246794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147896	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	7.88	113	121548	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
50) Toluene-d8	10.32	98	494855	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.62	95	178373	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31575	22.957	ug/l	92
3) Chloromethane	2.21	50	49605	20.799	ug/l	98
4) Vinyl Chloride	2.36	62	60505	21.072	ug/l	100
5) Bromomethane	2.76	94	30872	19.424	ug/l	100
6) Chloroethane	2.91	64	34207	20.856	ug/l	98
7) Trichlorofluoromethane	3.25	101	26458	20.618	ug/l	99
8) Diethyl Ether	3.68	74	31519	21.663	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53842	22.118	ug/l	98
10) Methyl Iodide	4.27	142	71658	20.830	ug/l	99
11) Tert butyl alcohol	5.17	59	21858	93.340	ug/l	98
12) 1,1-Dichloroethene	4.04	96	54316	21.133	ug/l	100
13) Acrolein	3.89	56	12464	61.296	ug/l	98
14) Allyl chloride	4.67	41	112224	20.529	ug/l	99
15) Acrylonitrile	5.36	53	78805	108.501	ug/l	99
16) Acetone	4.12	43	75418	83.663	ug/l	99
17) Carbon Disulfide	4.38	76	151998	18.895	ug/l	100
18) Methyl Acetate	4.67	43	43433	21.447	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	91687	22.480	ug/l	99
20) Methylene Chloride	4.91	84	65302	21.005	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	58095	20.965	ug/l	99
22) Diisopropyl ether	6.31	45	221021	21.444	ug/l	98
23) Vinyl Acetate	6.25	43	686028	105.929	ug/l	100
24) 1,1-Dichloroethane	6.21	63	116230	21.056	ug/l	99
25) 2-Butanone	7.17	43	113015	95.810	ug/l	98
26) 2,2-Dichloropropane	7.16	77	64059	18.870	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	64103	21.019	ug/l	98
28) Bromochloromethane	7.51	49	53810	21.962	ug/l	97
29) Tetrahydrofuran	7.52	42	74031	109.797	ug/l	99
30) Chloroform	7.67	83	107726	21.154	ug/l	98
31) Cyclohexane	7.95	56	108900	20.552	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	84324	21.743	ug/l	98
36) 1,1-Dichloropropene	8.08	75	88775	21.613	ug/l	99
37) Ethyl Acetate	7.25	43	51946	21.982	ug/l	98
38) Carbon Tetrachloride	8.07	117	75310	21.418	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99923	22.093	ug/l	96
40) Benzene	8.32	78	247350	21.499	ug/l	100
41) Methacrylonitrile	7.48	41	30586	21.652	ug/l	99
42) 1,2-Dichloroethane	8.40	62	77258	21.448	ug/l	99
43) Isopropyl Acetate	8.42	43	94679	21.785	ug/l	99
44) Trichloroethene	9.09	130	59966	21.686	ug/l	100
45) 1,2-Dichloropropane	9.37	63	65618	21.316	ug/l	95
46) Dibromomethane	9.46	93	30407	21.641	ug/l	99
47) Bromodichloromethane	9.65	83	77711	21.085	ug/l	100
48) Methyl methacrylate	9.43	41	44639	21.383	ug/l	99
49) 1,4-Dioxane	9.45	88	9923	487.758	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	247878	109.654	ug/l	99
52) Toluene	10.39	92	149703	21.546	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	79625	20.682	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	94554	20.655	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43553	21.847	ug/l	95
56) Ethyl methacrylate	10.65	69	63302	21.700	ug/l	100
57) 1,3-Dichloropropane	10.93	76	81837	21.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	169084	127.657	ug/l	100
59) 2-Hexanone	10.97	43	170469	106.804	ug/l	99
60) Dibromochloromethane	11.13	129	46866	21.179	ug/l	99
61) 1,2-Dibromoethane	11.23	107	40698	21.573	ug/l	100
64) Tetrachloroethene	10.86	164	49806	22.031	ug/l	98
65) Chlorobenzene	11.66	112	149713	21.447	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52491	21.588	ug/l	99
67) Ethyl Benzene	11.73	91	286914	21.581	ug/l	100
68) m/p-Xylenes	11.84	106	211427	43.729	ug/l	98
69) o-Xylene	12.16	106	99288	22.099	ug/l	100
70) Styrene	12.18	104	168524	21.694	ug/l	99
71) Bromoform	12.35	173	26418	21.309	ug/l	98
73) Isopropylbenzene	12.46	105	273789	22.113	ug/l	100
74) N-amyl acetate	12.27	43	87845	22.662	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	53215	22.850	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	43766m	24.923	ug/l	
77) Bromobenzene	12.74	156	59386	21.700	ug/l	98
78) n-propylbenzene	12.80	91	335419	22.260	ug/l	100
79) 2-Chlorotoluene	12.89	91	188628	21.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	230338	22.194	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16139	21.181	ug/l	98
82) 4-Chlorotoluene	12.99	91	198835	21.831	ug/l	100
83) tert-Butylbenzene	13.21	119	197092	22.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	232953	22.282	ug/l	99
85) sec-Butylbenzene	13.38	105	276677	22.342	ug/l	99
86) p-Isopropyltoluene	13.50	119	248517	22.118	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	117334	21.866	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	115761	21.687	ug/l	99
89) n-Butylbenzene	13.82	91	245462	21.891	ug/l	99
90) Hexachloroethane	14.09	117	42699	21.491	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	104606	22.041	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8596	21.645	ug/l	98

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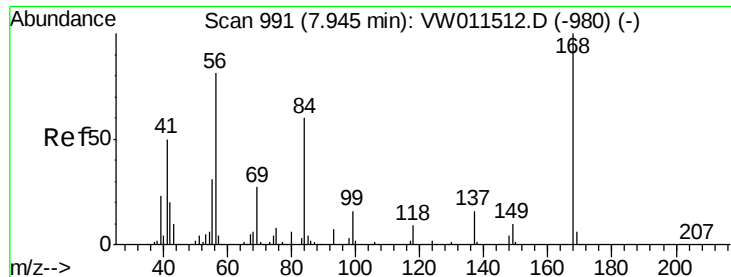
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	72782	21.760	ug/l	99
94) Hexachlorobutadiene	15.24	225	46166	22.133	ug/l	97
95) Naphthalene	15.36	128	133595	21.614	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	64906	22.138	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: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion:168 Resp: 246794

Ion Ratio Lower Upper

168 100

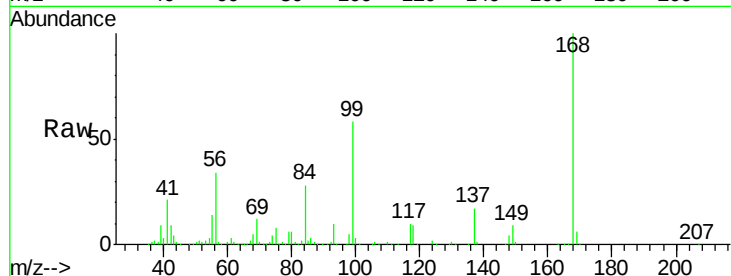
99 57.5 48.2 72.4

Manual Integrations

APPROVED

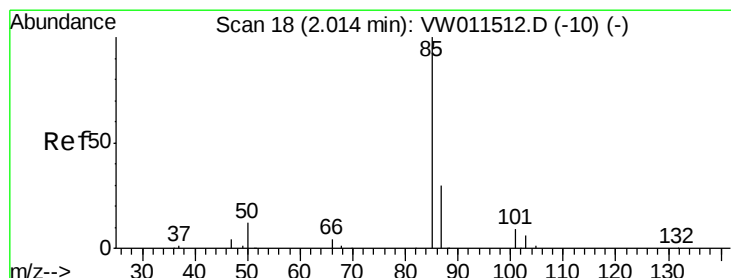
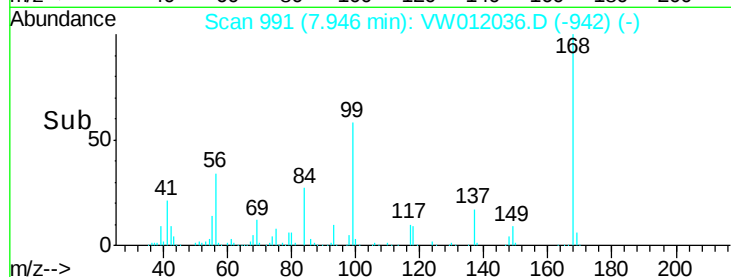
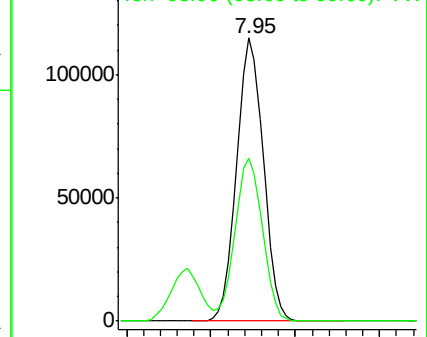
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.957 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012036.D

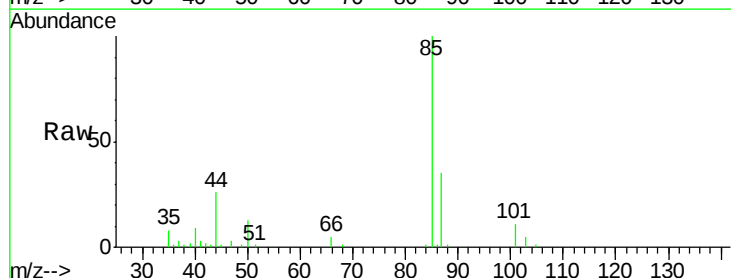
Acq: 20 Aug 2019 18:19

Tgt Ion: 85 Resp: 31575

Ion Ratio Lower Upper

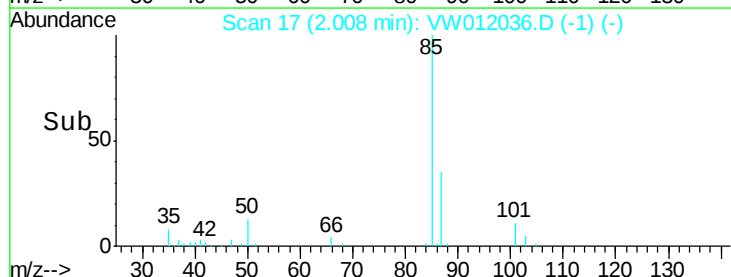
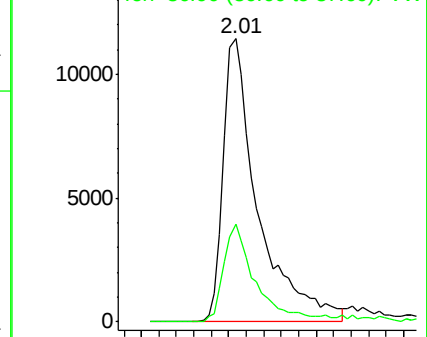
85 100

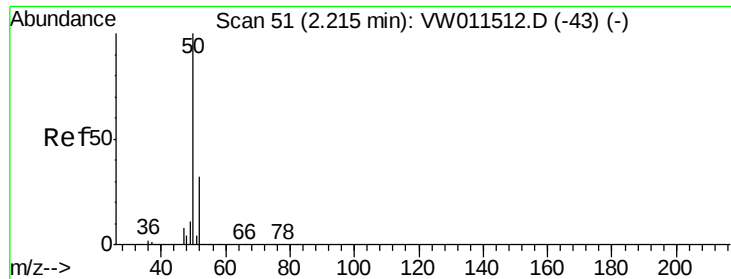
87 34.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.799 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 50 Resp: 49605

Ion Ratio Lower Upper

50 100

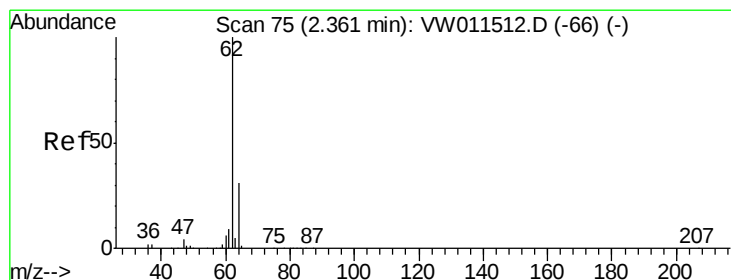
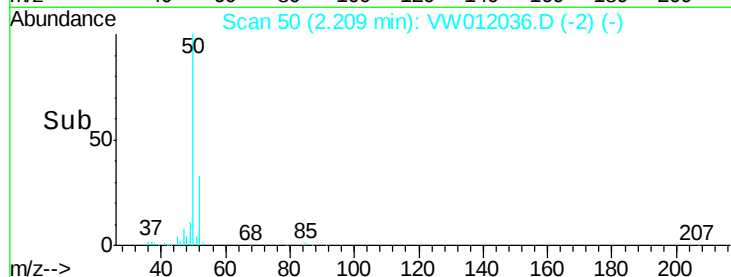
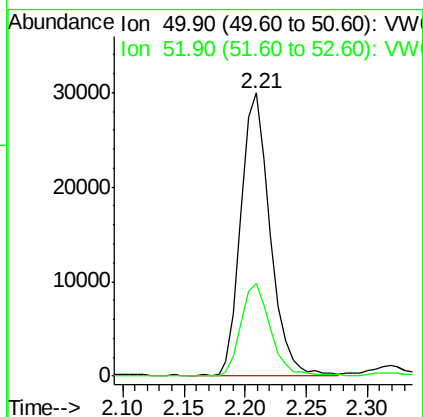
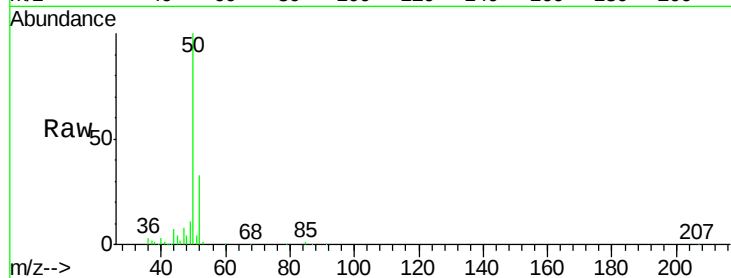
52 33.0 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.072 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012036.D

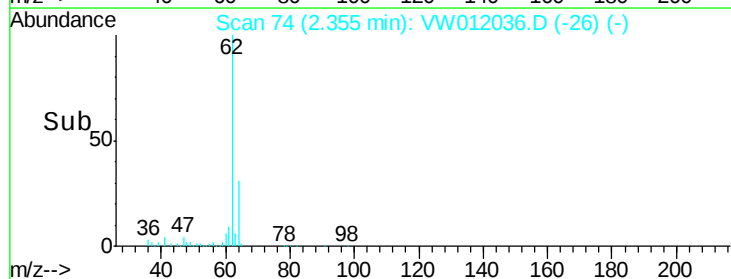
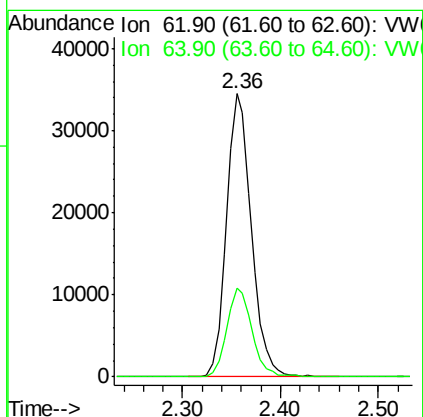
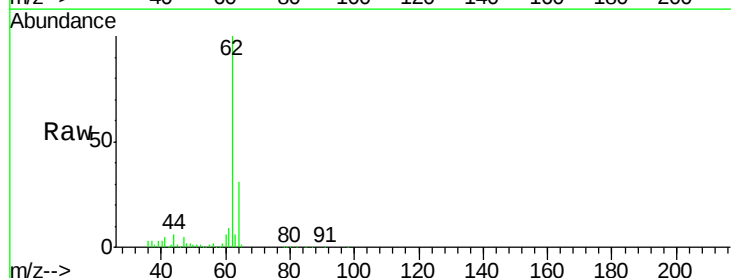
Acq: 20 Aug 2019 18:19

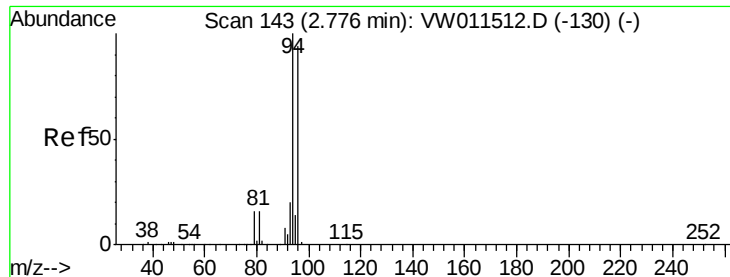
Tgt Ion: 62 Resp: 60505

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 19.424 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

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VW0820SBS02

Tot Ion: 94 Resp: 30872

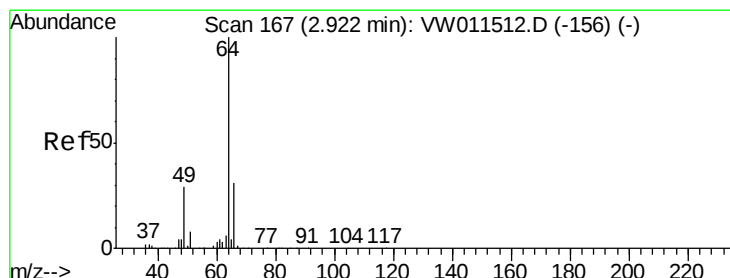
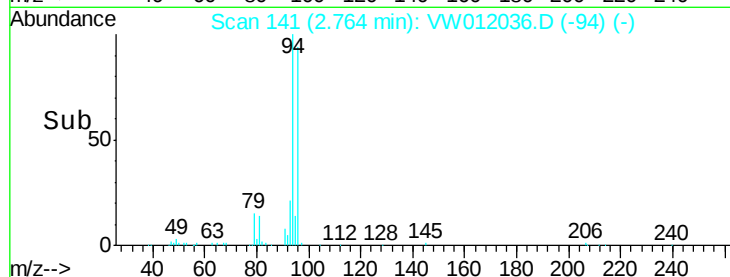
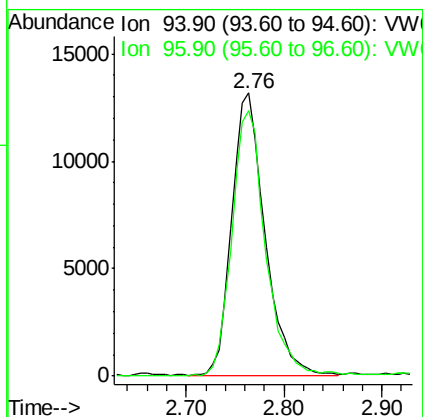
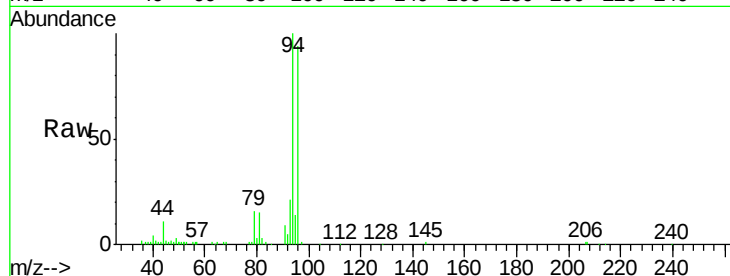
Ion Ratio Lower Upper

94 100

96 94.2 75.0 112.6

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#6

Chloroethane

Concen: 20.856 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012036.D

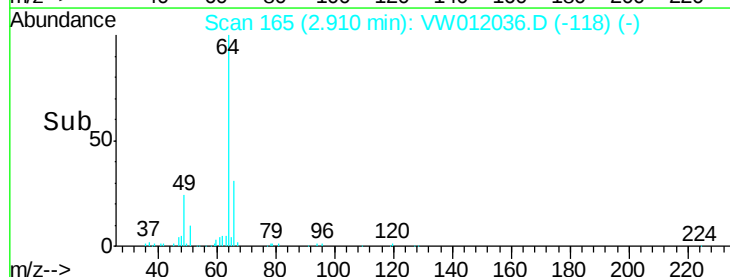
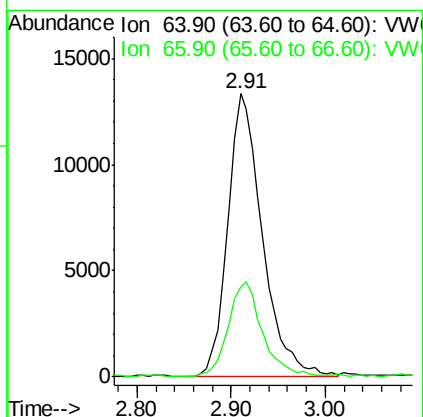
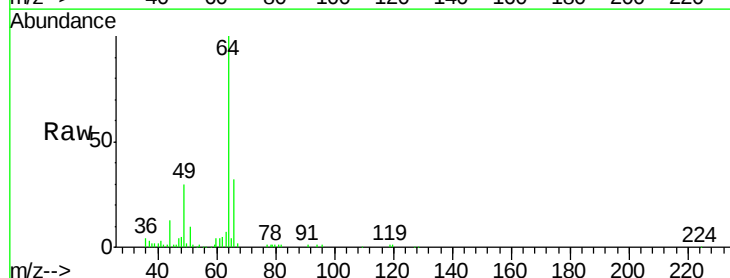
Acq: 20 Aug 2019 18:19

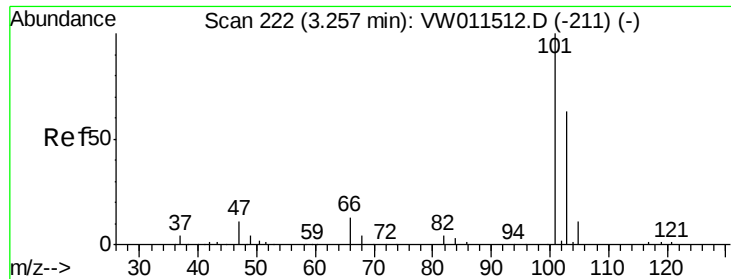
Tgt Ion: 64 Resp: 34207

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8





#7

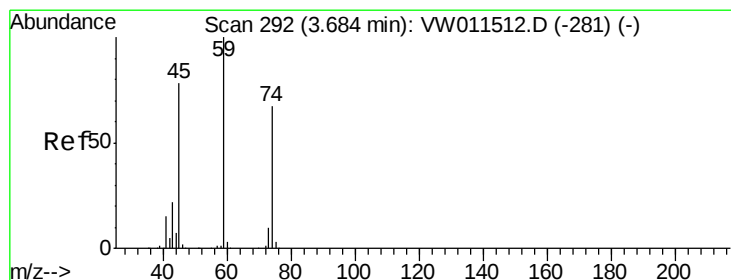
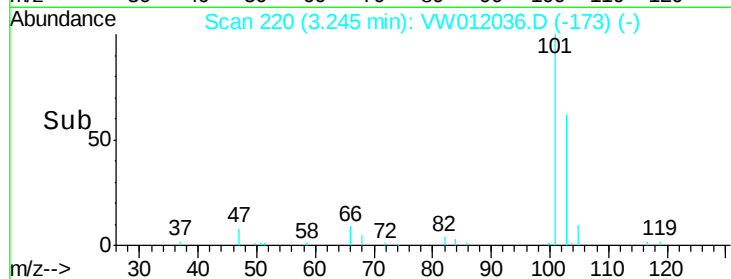
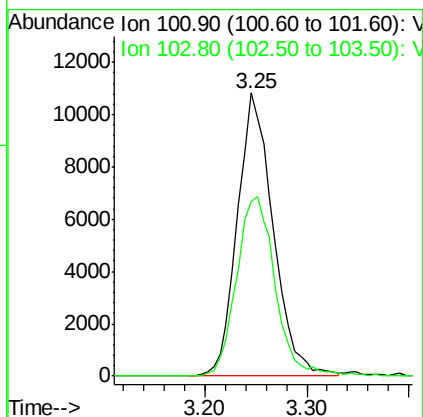
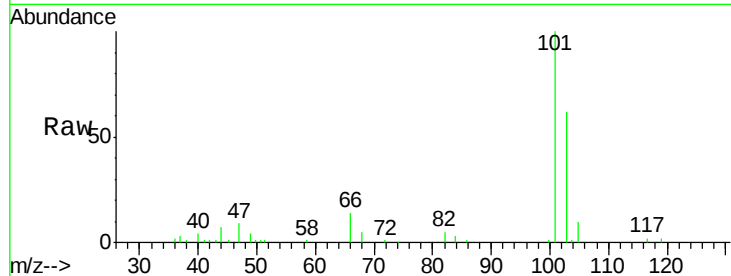
Trichlorofluoromethane
Concen: 20.618 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
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VW0820SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.2	75.4

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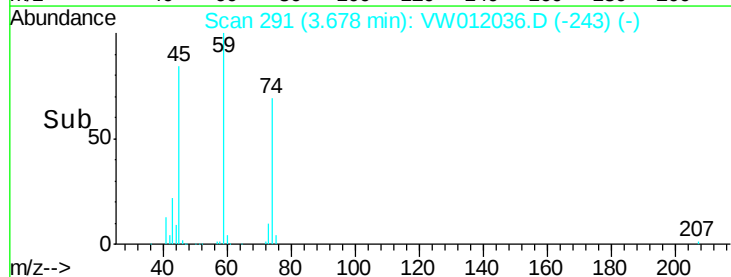
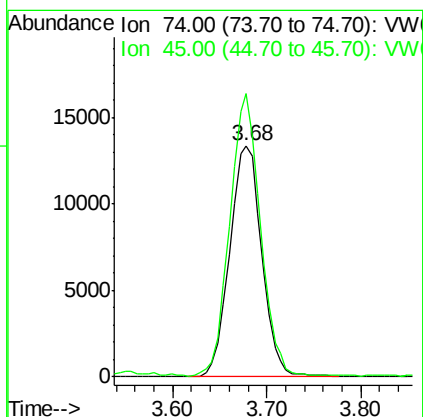
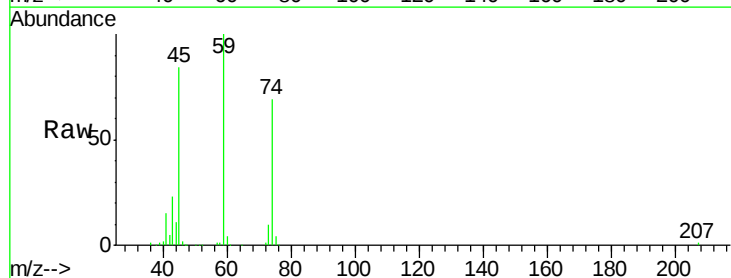
MMDadoda
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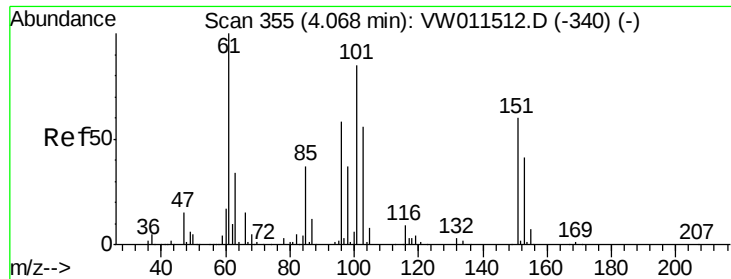


#8

Diethyl Ether
Concen: 21.663 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.9	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.118 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

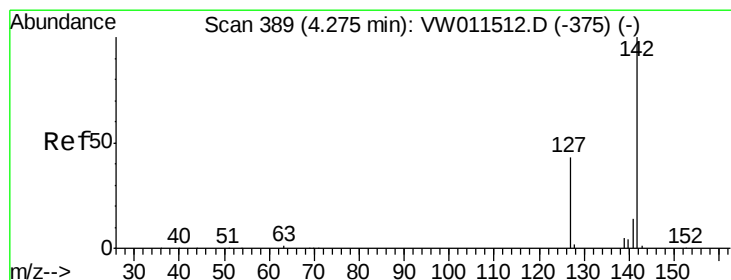
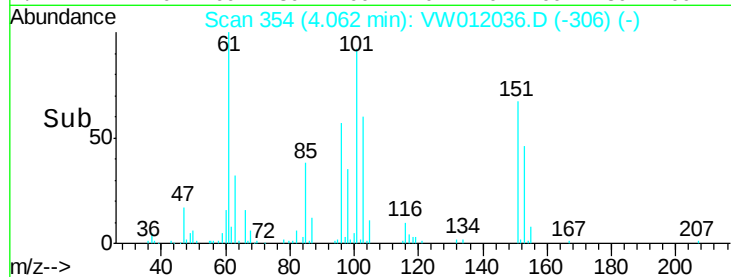
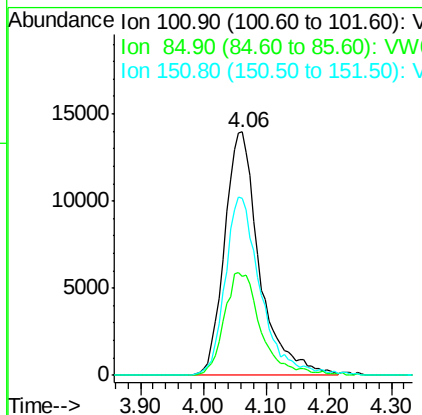
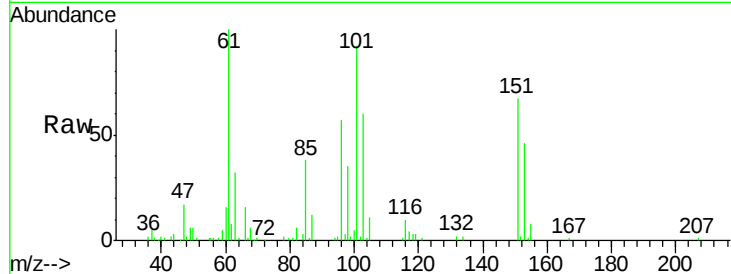
ClientSampleId :

VW0820SBS02

Tot Ion:	101	Resp:	53842
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.6	54.8
151	74.5	60.2	90.2

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#10

Methyl Iodide

Concen: 20.830 ug/l

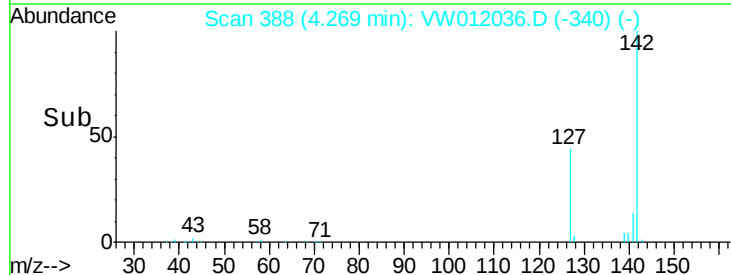
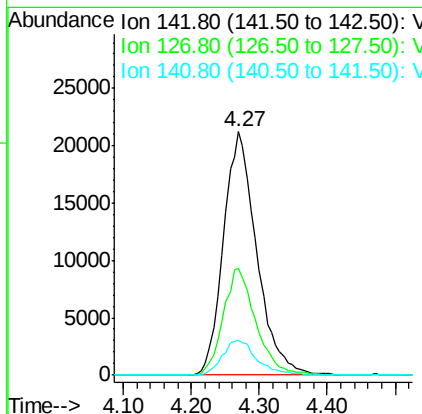
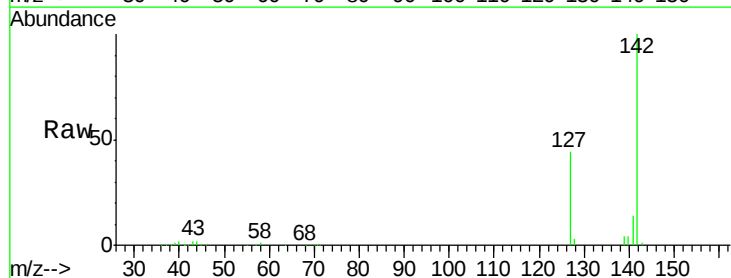
RT: 4.27 min Scan# 388

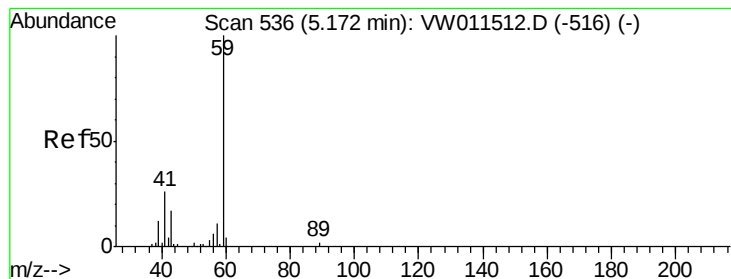
Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion:	142	Resp:	71658
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.0	52.6
141	14.8	11.9	17.9





#11

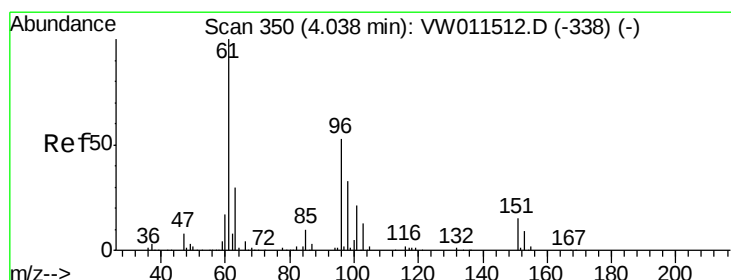
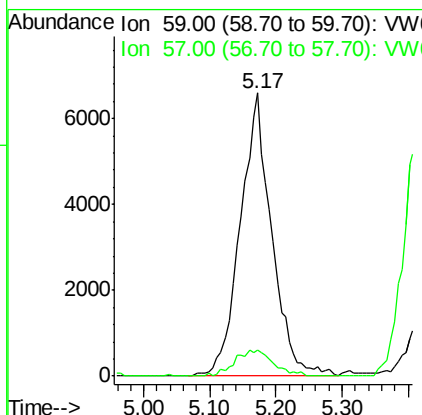
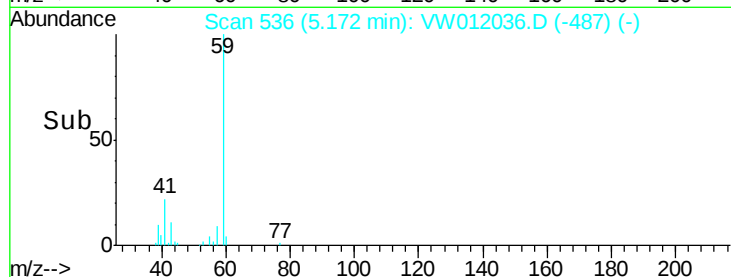
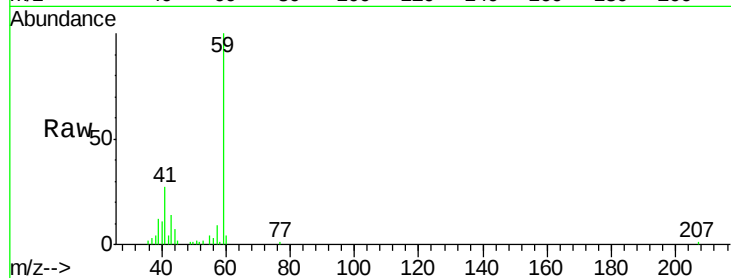
Tert butyl alcohol
 Concen: 93.340 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.5	12.7

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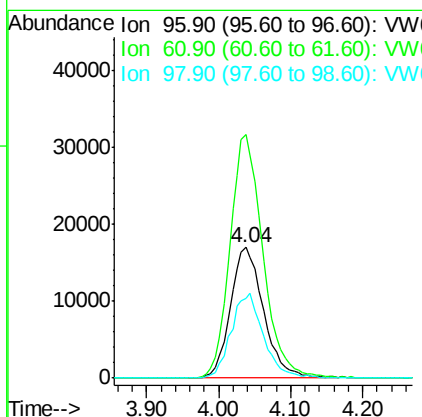
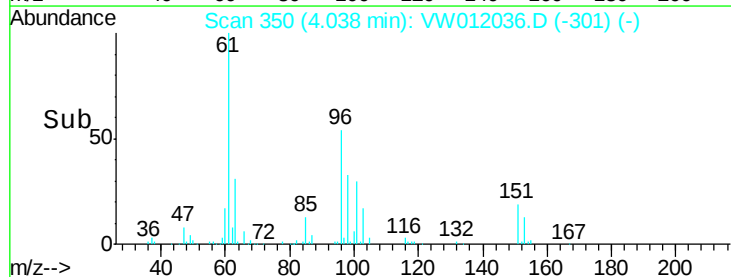
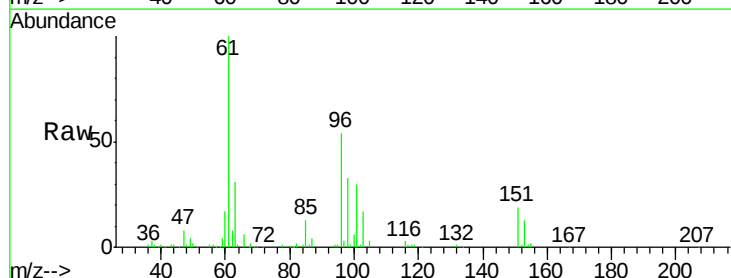
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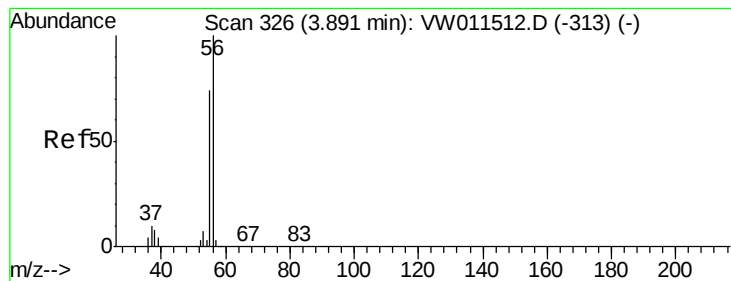


#12

1,1-Dichloroethene
 Concen: 21.133 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.6	149.9	224.9
98	61.6	49.1	73.7





#13

Acrolein

Concen: 61.296 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 56 Resp: 12464

Ion Ratio Lower Upper

56 100

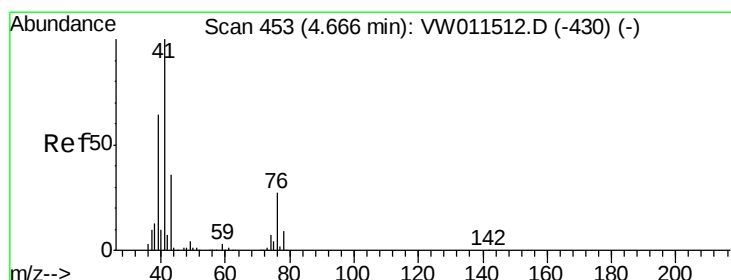
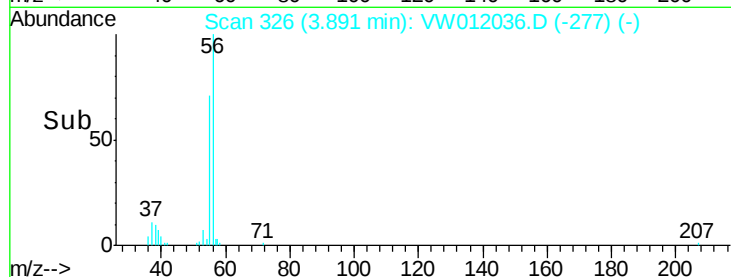
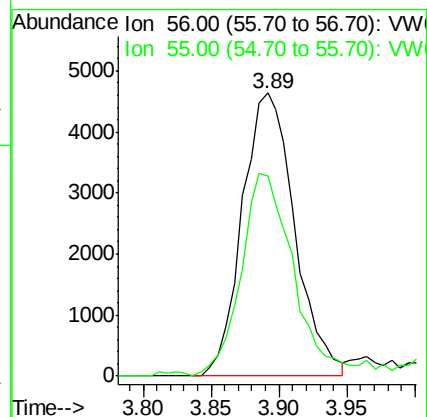
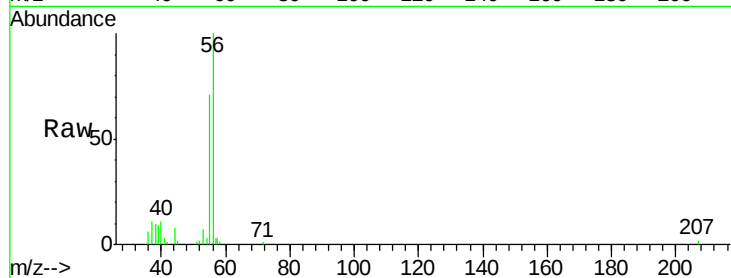
55 71.6 56.0 84.0

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#14

Allyl chloride

Concen: 20.529 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

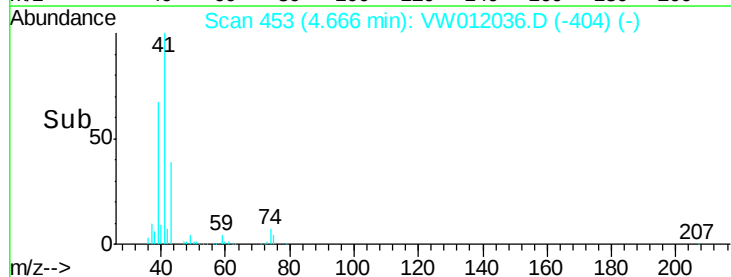
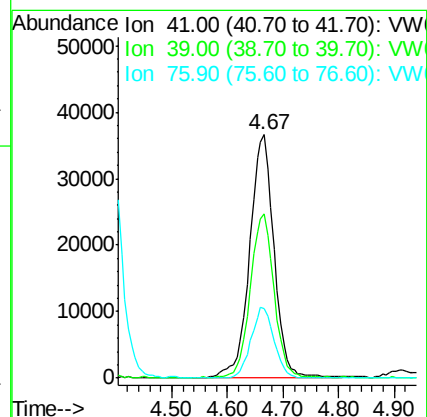
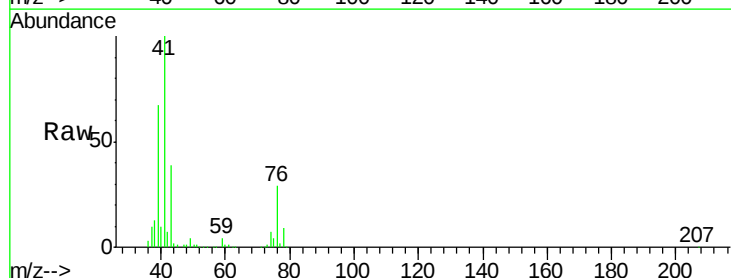
Tgt Ion: 41 Resp: 112224

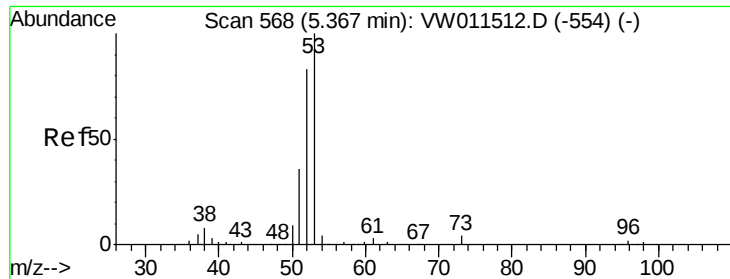
Ion Ratio Lower Upper

41 100

39 64.3 52.6 78.8

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 108.501 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

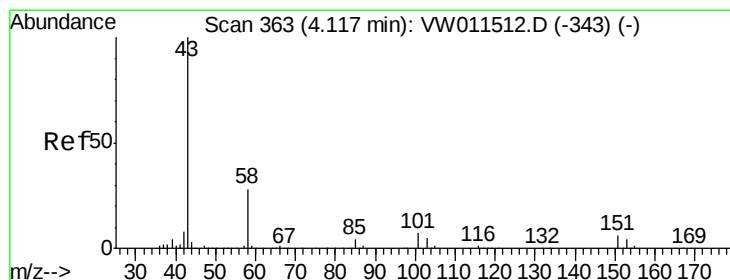
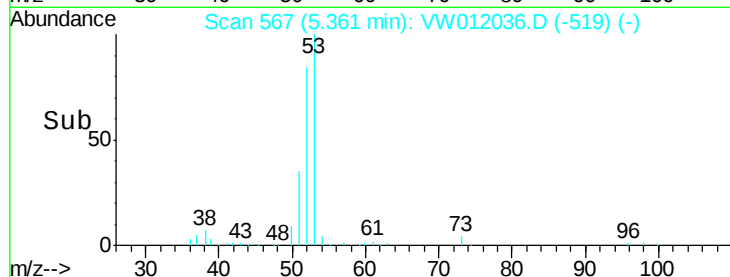
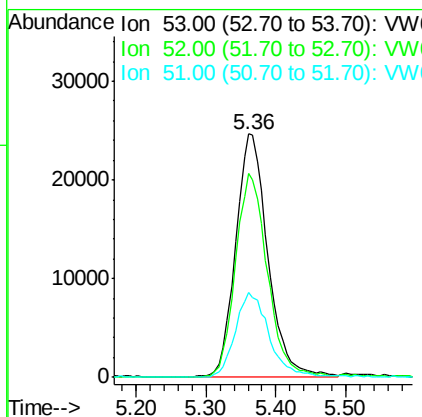
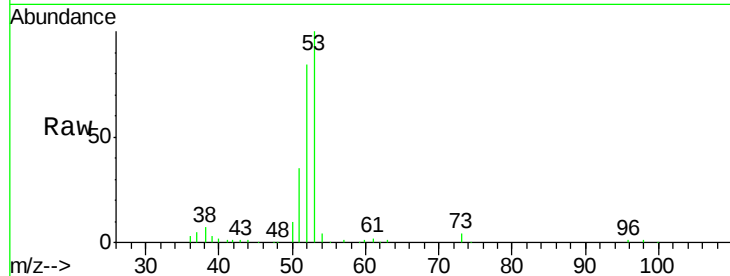
ClientSampleId :

VW0820SBS02

Tot Ion:	53	Resp:	78805
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.2	100.8
51	37.0	30.0	45.0

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#16

Acetone

Concen: 83.663 ug/l

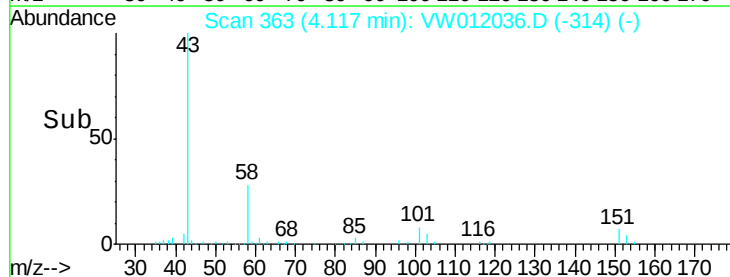
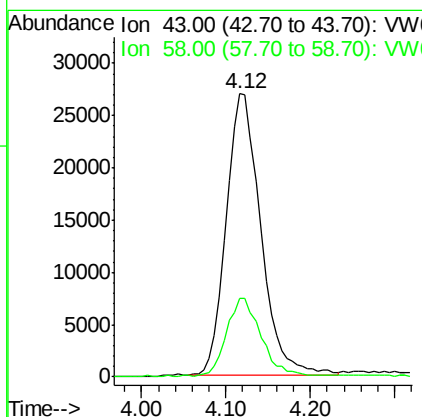
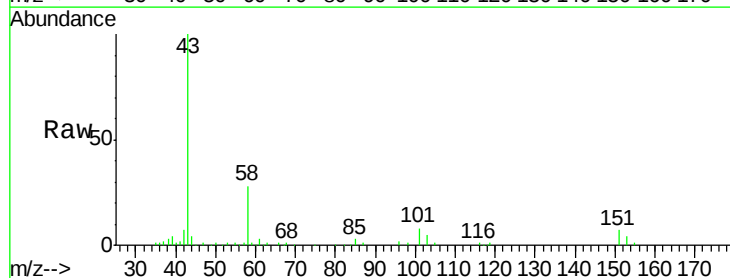
RT: 4.12 min Scan# 363

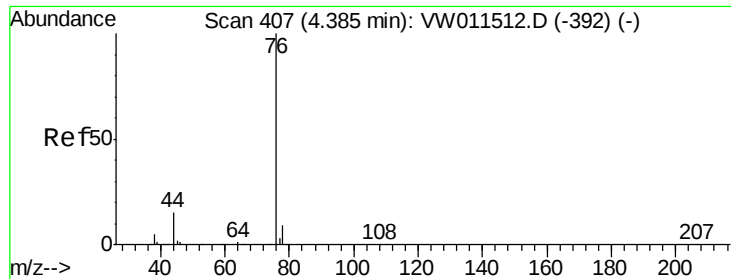
Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion:	43	Resp:	75418
Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.3	33.5





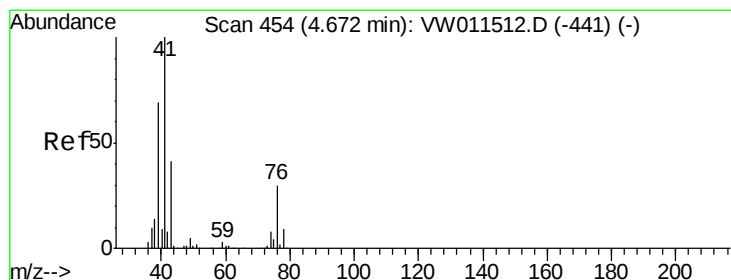
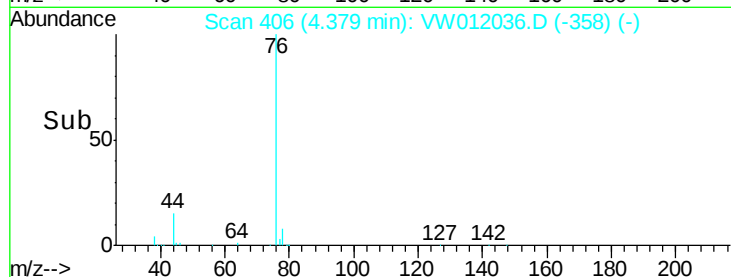
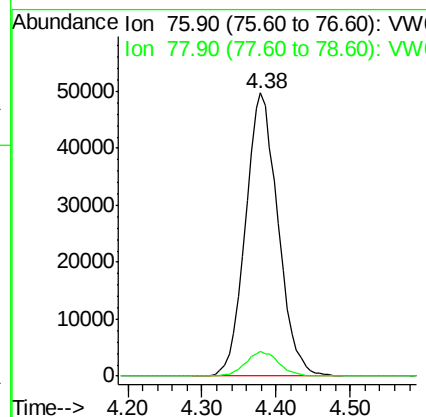
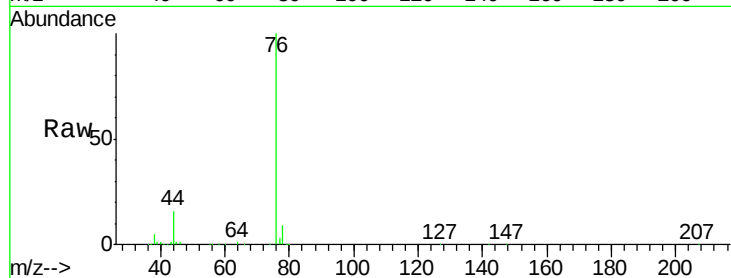
#17
Carbon Disulfide
Concen: 18.895 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
76	100	151998		
78	8.7		7.1	10.7

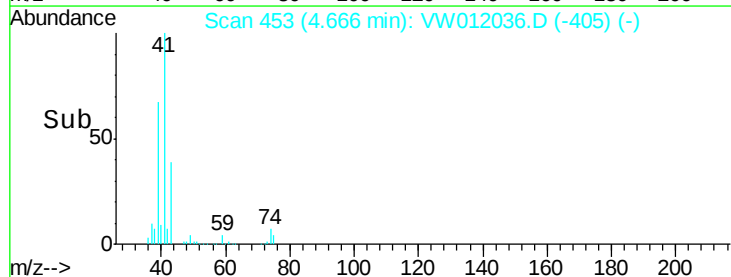
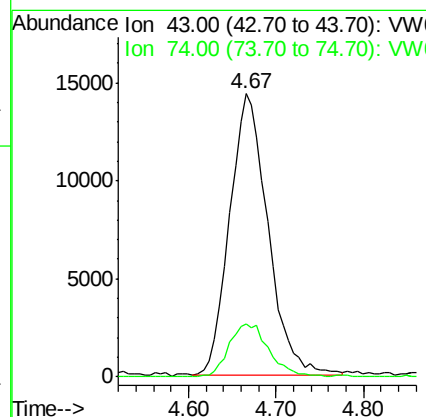
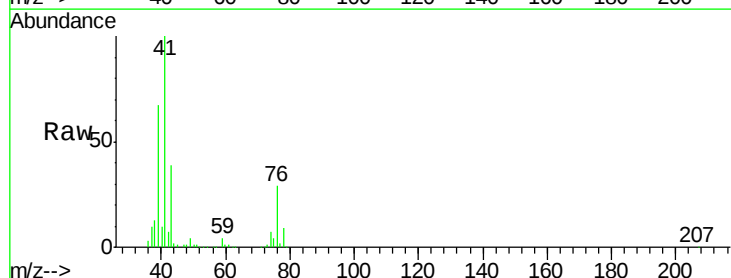
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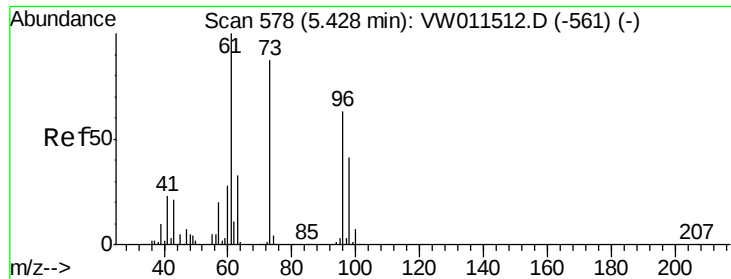
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#18
Methyl Acetate
Concen: 21.447 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	43433		
74	19.8		15.9	23.9





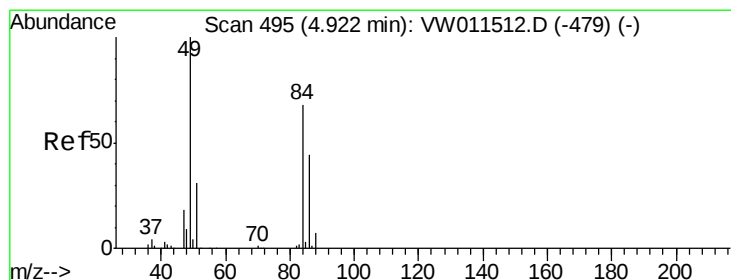
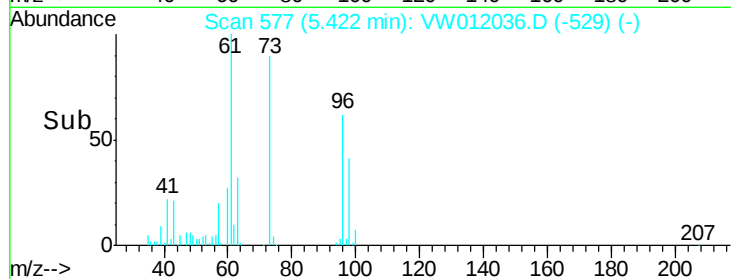
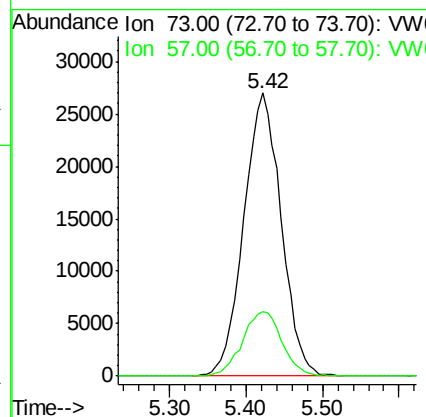
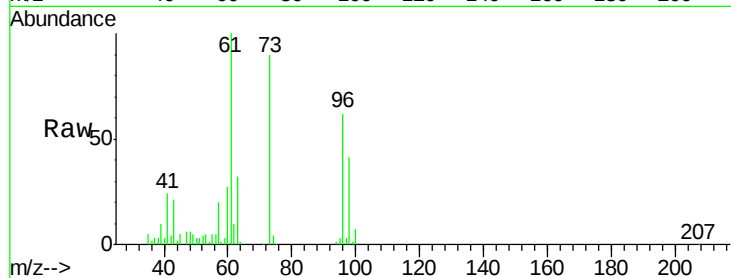
#19
Methyl tert-butyl Ether
Concen: 22.480 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.4	27.6

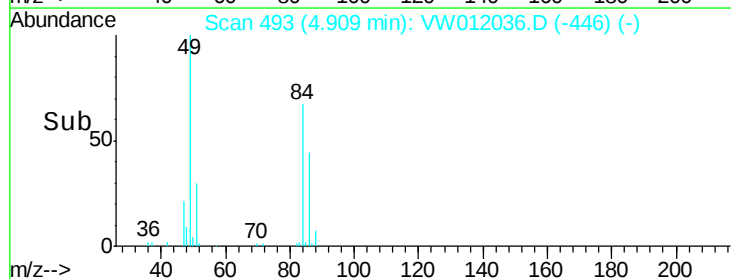
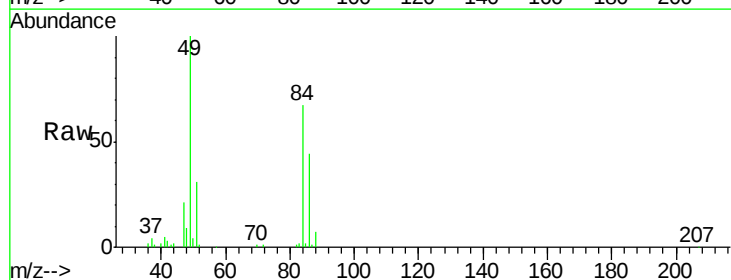
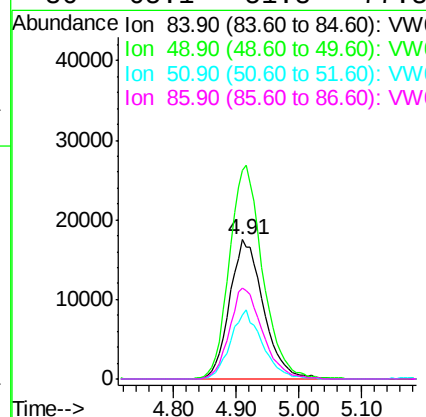
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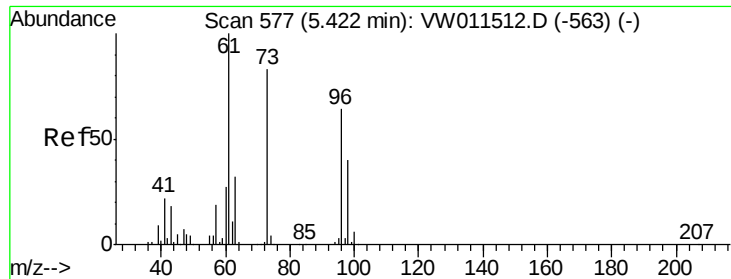
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#20
Methylene Chloride
Concen: 21.005 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.5	117.8	176.6
51	46.0	37.0	55.4
86	65.1	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 20.965 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

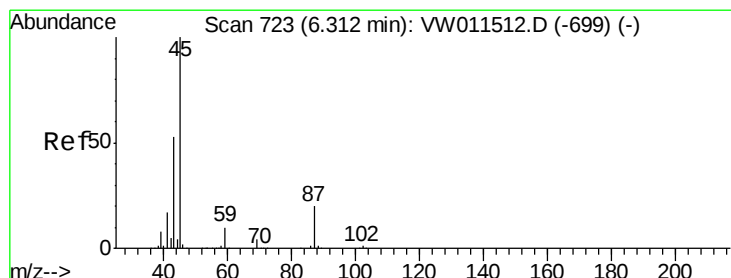
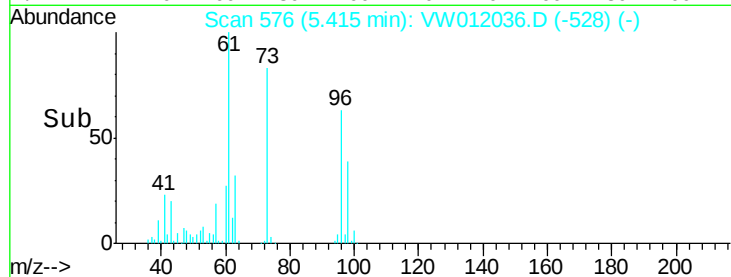
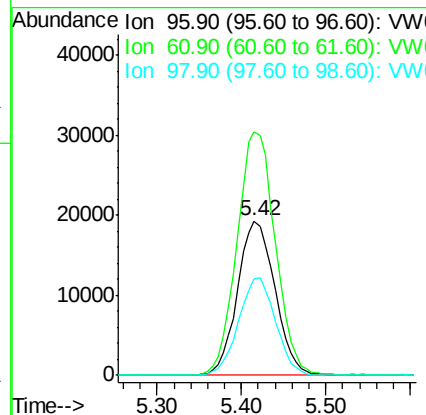
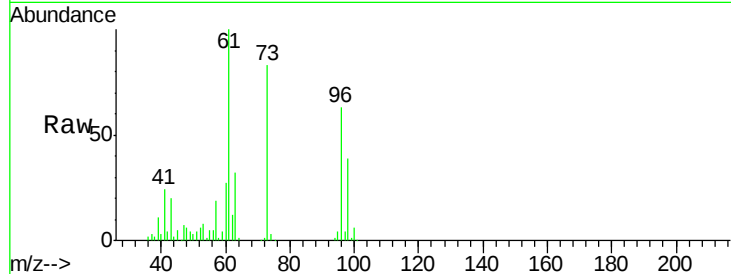
ClientSampleId :

VW0820SBS02

Tot Ion:	96	Resp:	58095
Ion	Ratio	Lower	Upper
96	100		
61	157.9	125.7	188.5
98	62.1	50.3	75.5

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#22

Diisopropyl ether

Concen: 21.444 ug/l

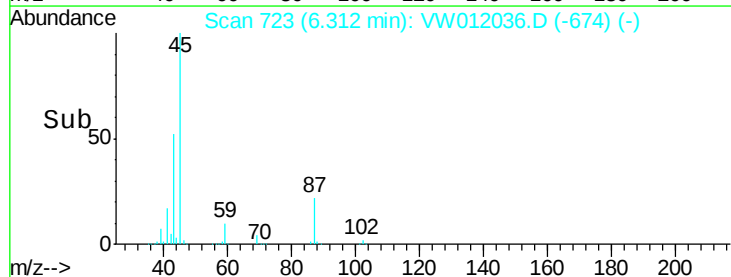
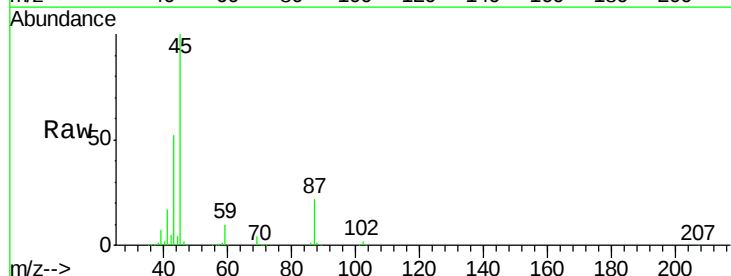
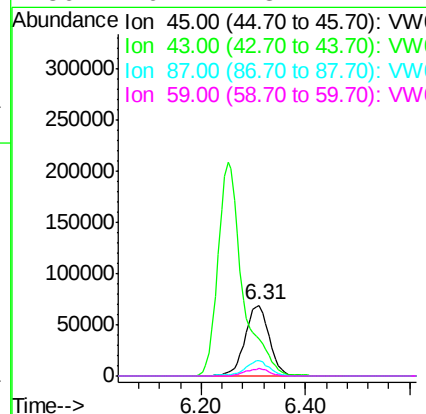
RT: 6.31 min Scan# 723

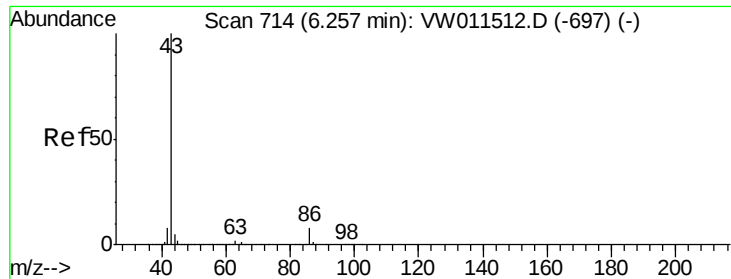
Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion:	45	Resp:	221021
Ion	Ratio	Lower	Upper
45	100		
43	52.1	42.6	63.8
87	21.6	16.4	24.6
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 105.929 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 43 Resp: 686028

Ion Ratio Lower Upper

43 100

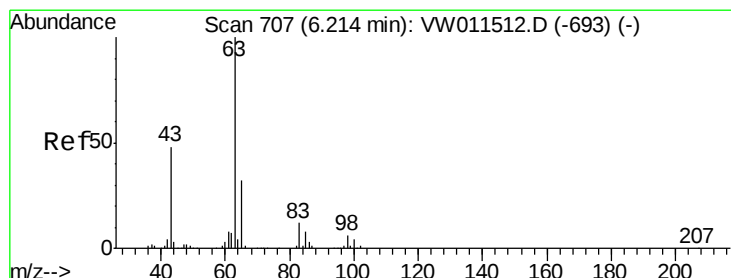
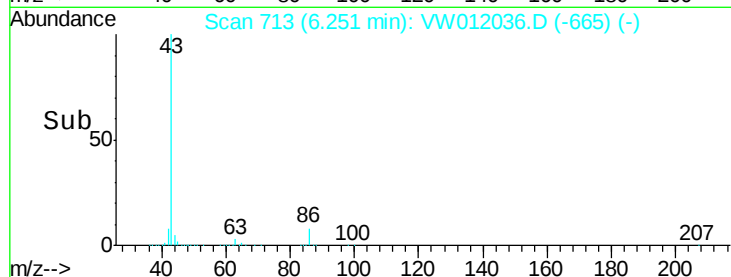
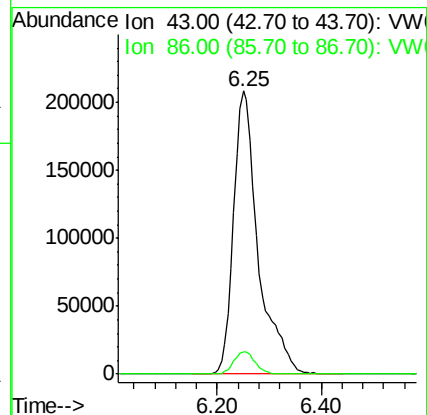
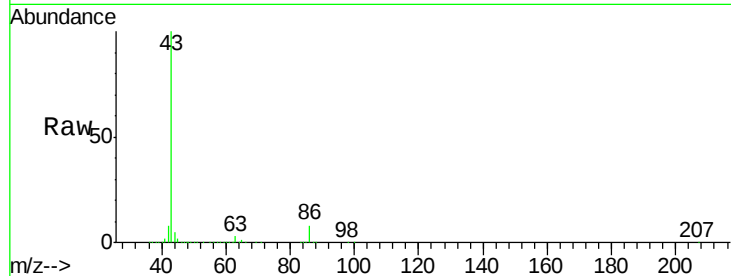
86 8.0 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 21.056 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

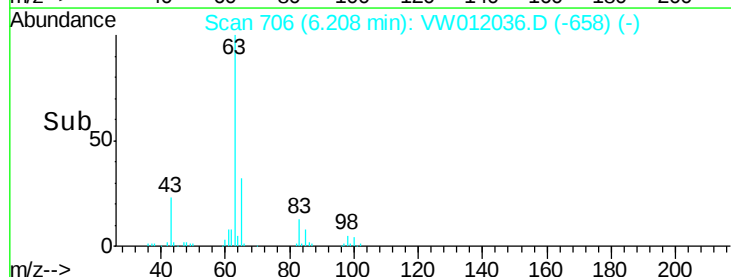
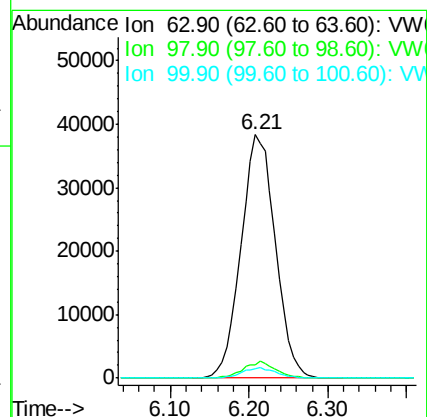
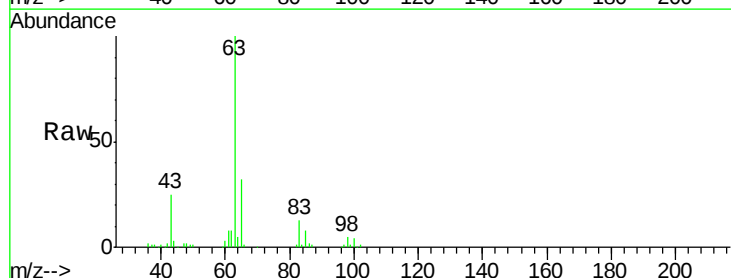
Tgt Ion: 63 Resp: 116230

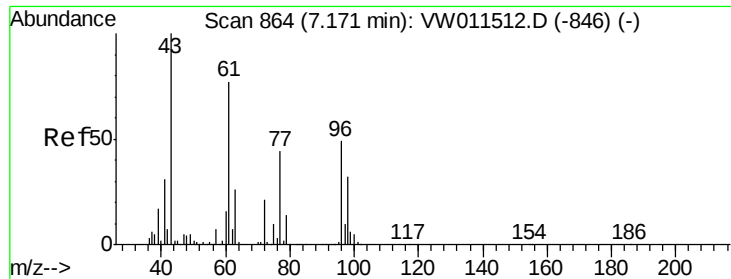
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.8

100 3.9 2.1 6.3





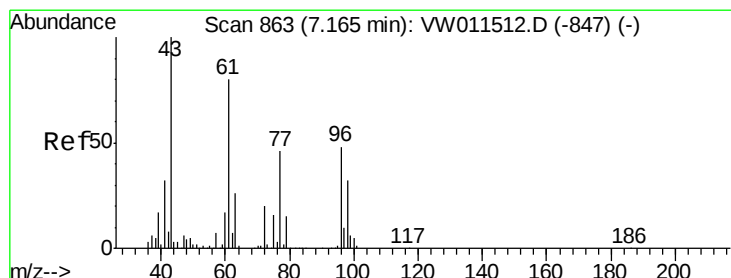
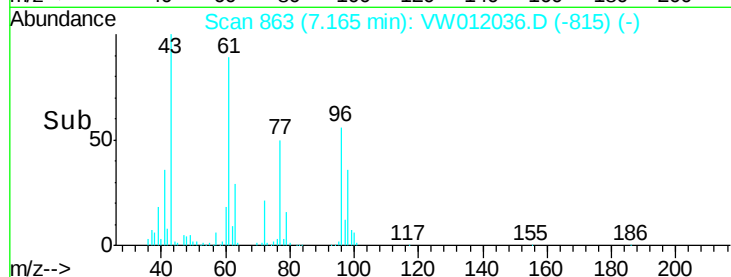
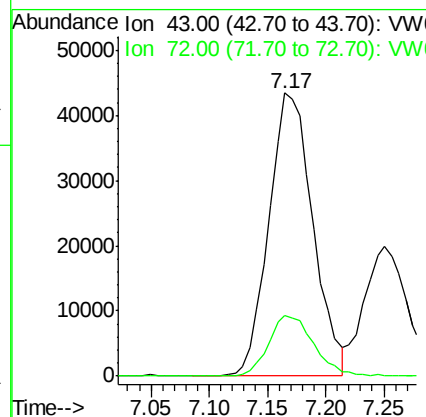
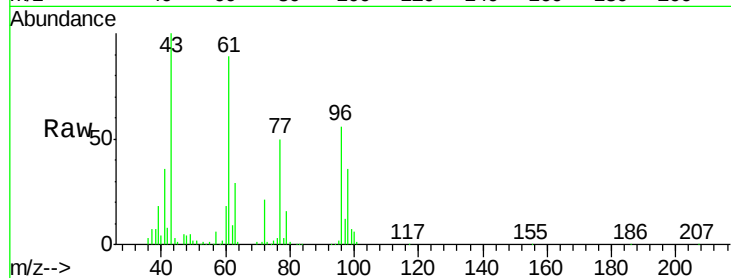
#25
2-Butanone
Concen: 95.810 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion: 43 Resp: 113015
Ion Ratio Lower Upper
43 100
72 21.5 16.6 24.8

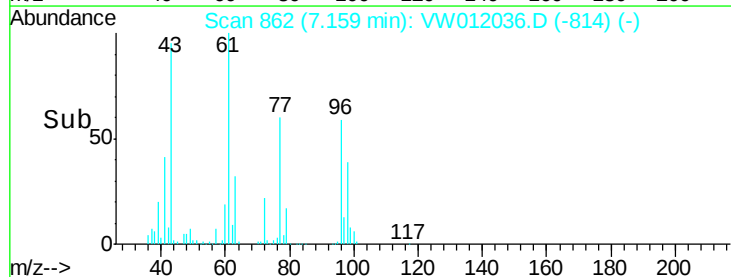
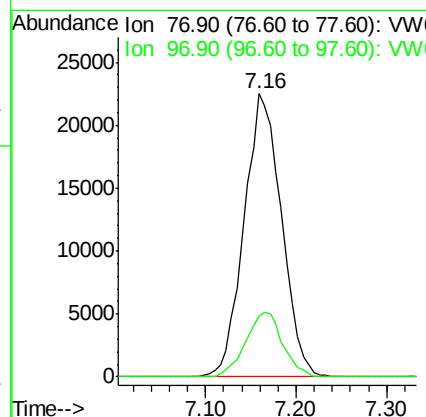
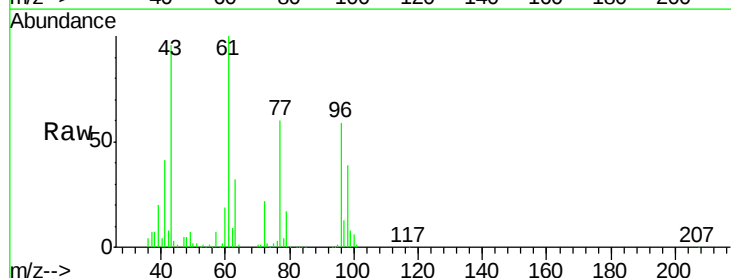
Manual Integrations
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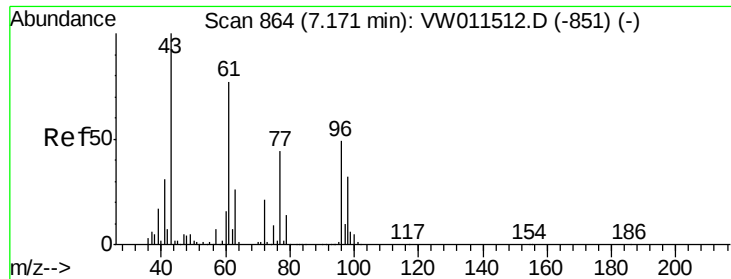
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#26
2,2-Dichloropropane
Concen: 18.870 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion: 77 Resp: 64059
Ion Ratio Lower Upper
77 100
97 22.6 10.8 32.4





#27

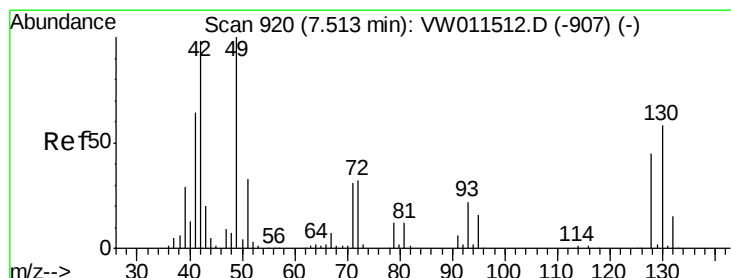
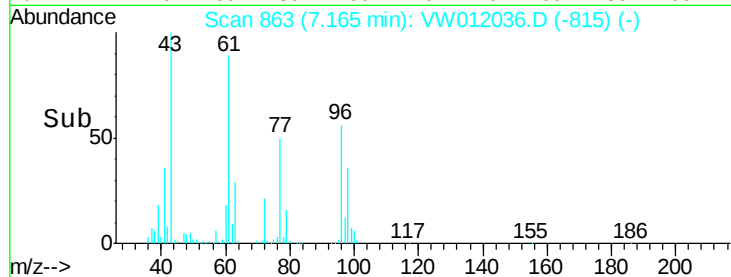
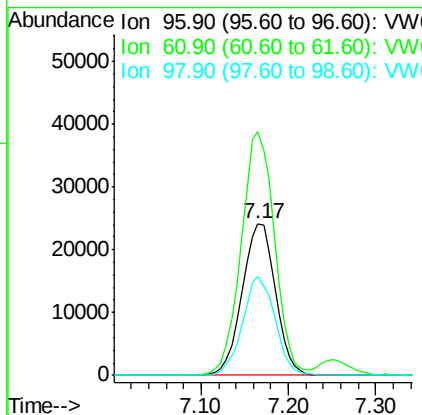
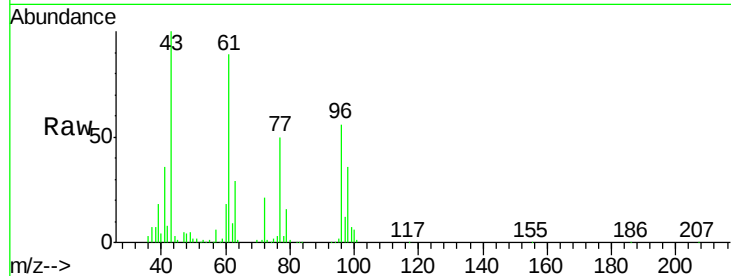
cis-1,2-Dichloroethene
Concen: 21.019 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	328.4
98	63.5	0.0	128.8

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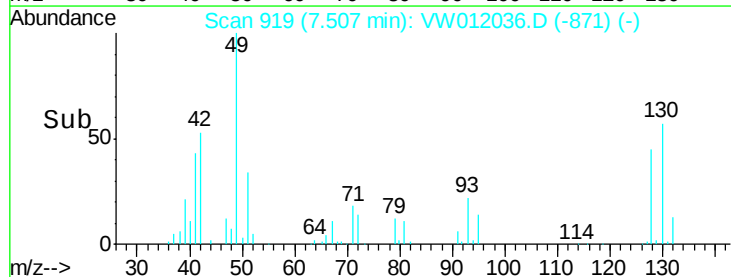
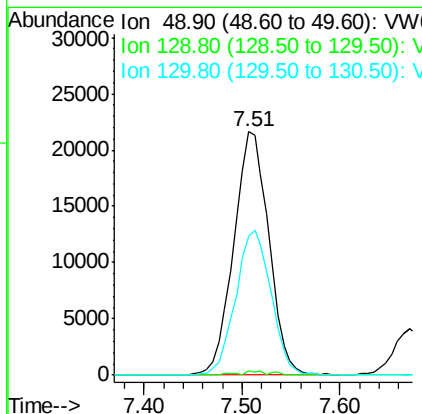
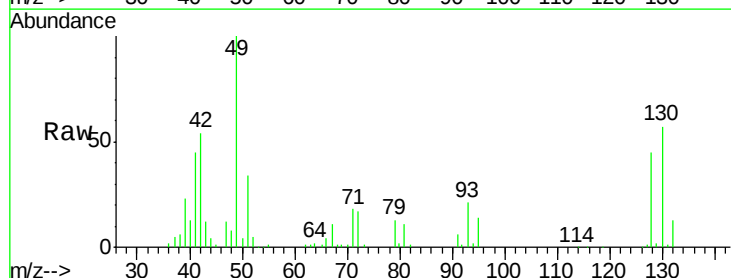
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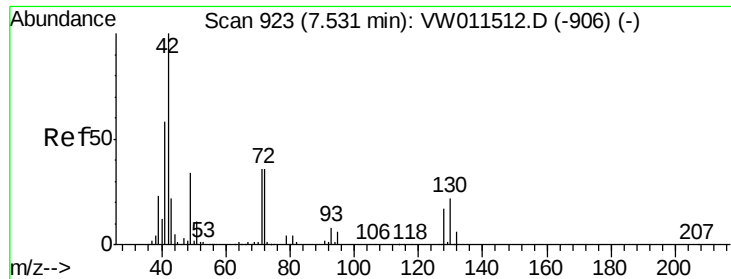


#28

Bromochloromethane
Concen: 21.962 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.0
130	60.0	46.3	69.5





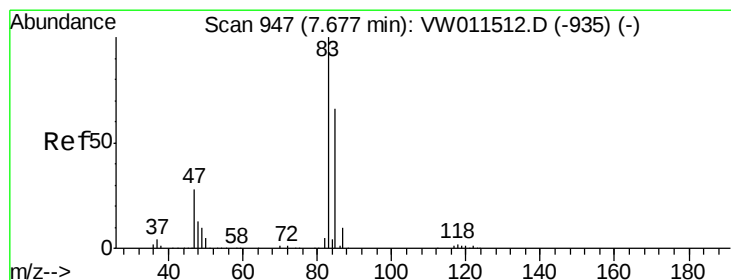
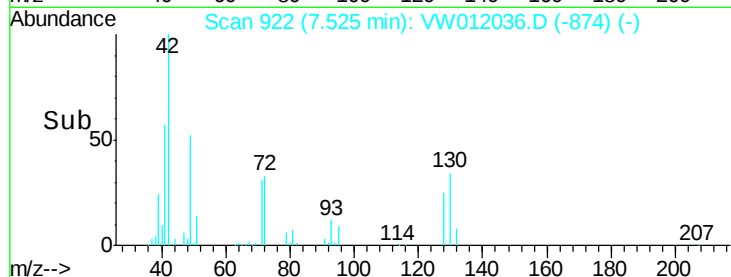
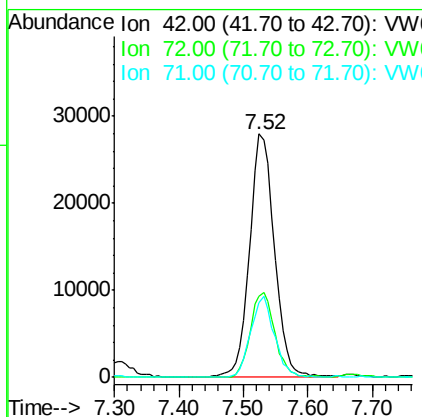
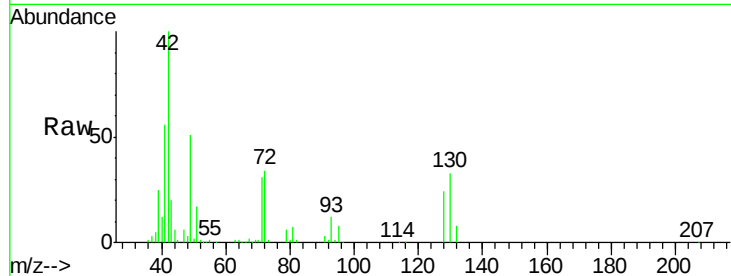
#29
Tetrahydrofuran
Concen: 109.797 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion:	42	Resp:	74031
Ion Ratio		Lower	Upper
42	100		
72	33.9	27.1	40.7
71	31.6	26.2	39.4

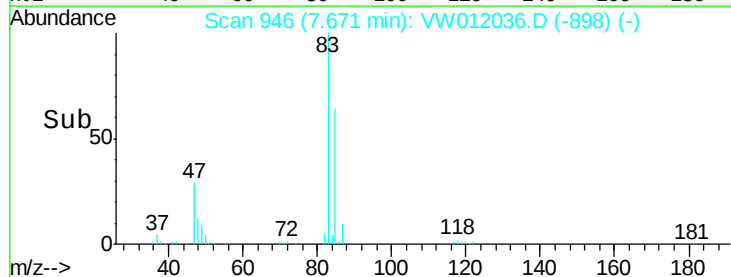
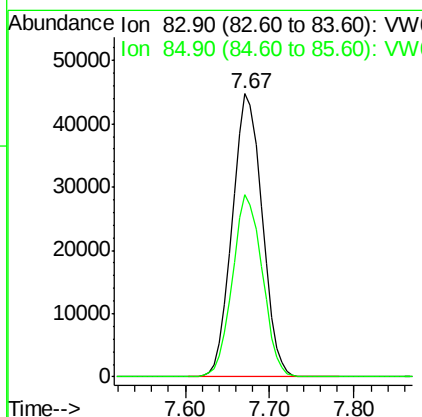
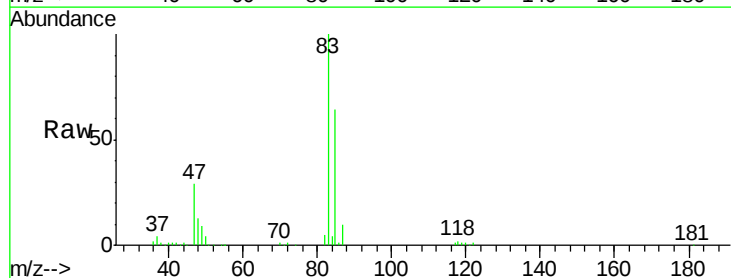
Manual Integrations
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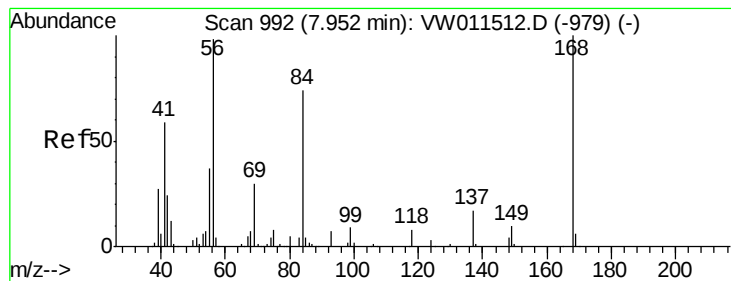
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#30
Chloroform
Concen: 21.154 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion:	83	Resp:	107726
Ion Ratio		Lower	Upper
83	100		
85	64.4	52.5	78.7





#31

Cyclohexane

Concen: 20.552 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

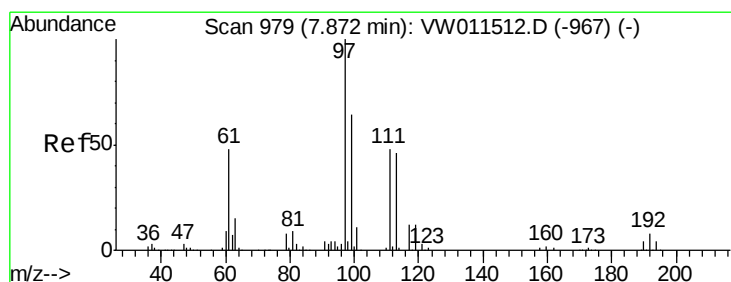
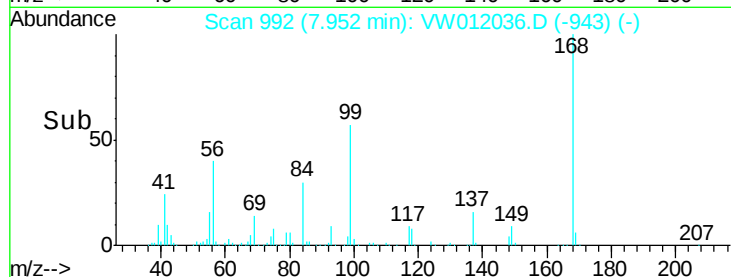
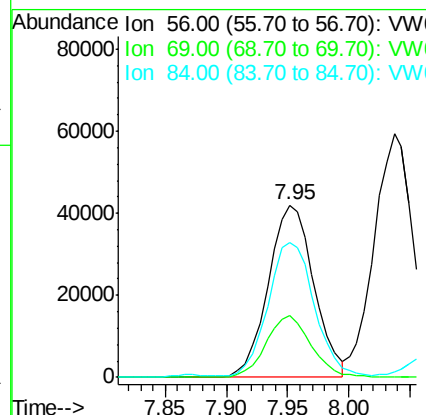
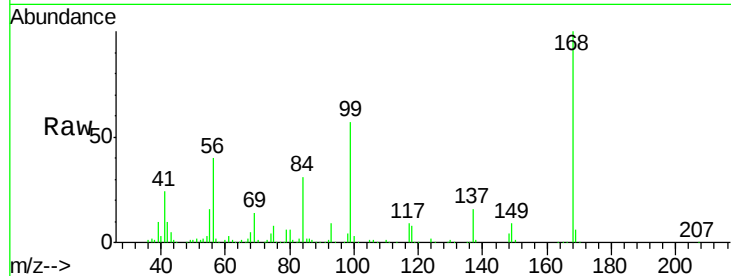
ClientSampleId :

VW0820SBS02

Tot Ion	56	Resp	108900
Ion Ratio	Lower	Upper	
56	100		
69	36.3	24.3	36.5
84	77.1	60.4	90.6

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#32

1,1,1-Trichloroethane

Concen: 21.743 ug/l

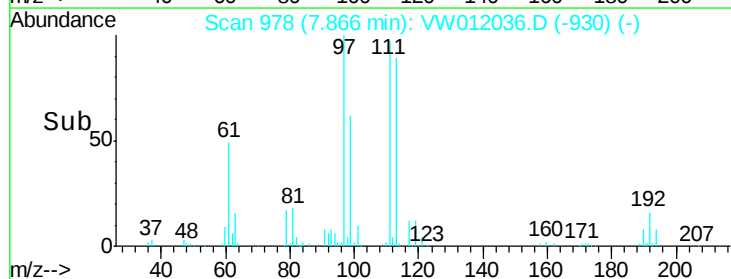
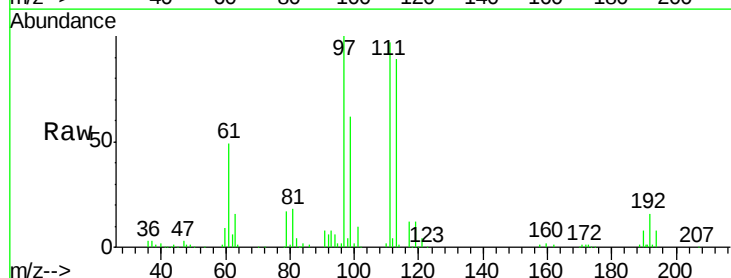
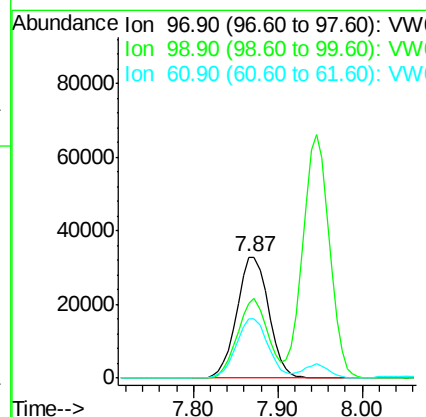
RT: 7.87 min Scan# 978

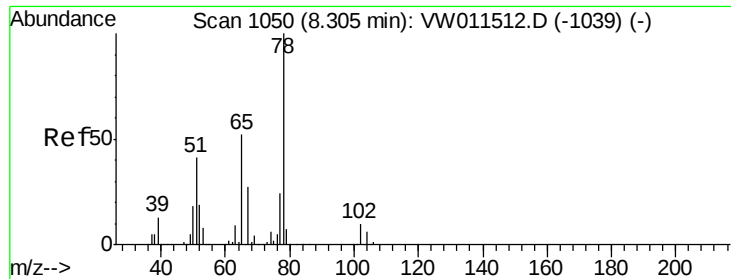
Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion	97	Resp	84324
Ion Ratio	Lower	Upper	
97	100		
99	62.2	51.0	76.6
61	49.0	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 52.188 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 65 Resp: 147896

Ion Ratio Lower Upper

65 100

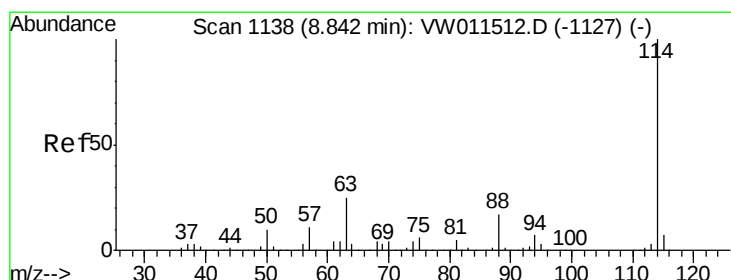
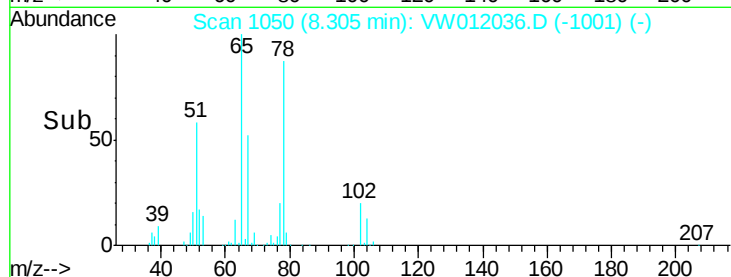
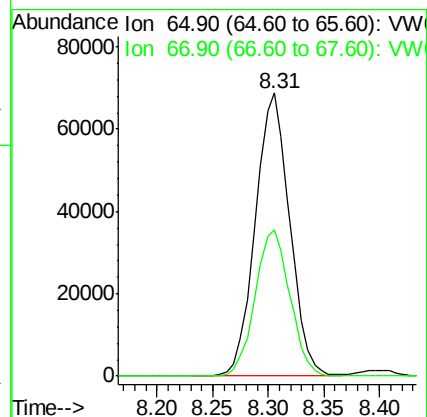
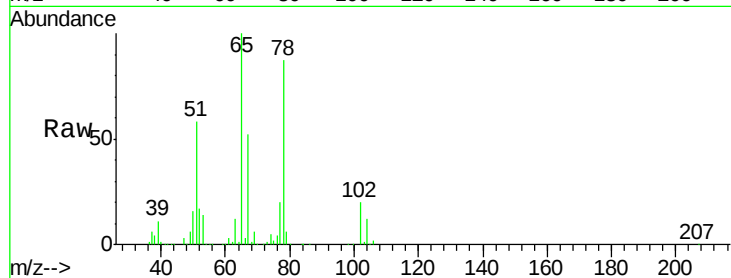
67 52.1 0.0 105.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

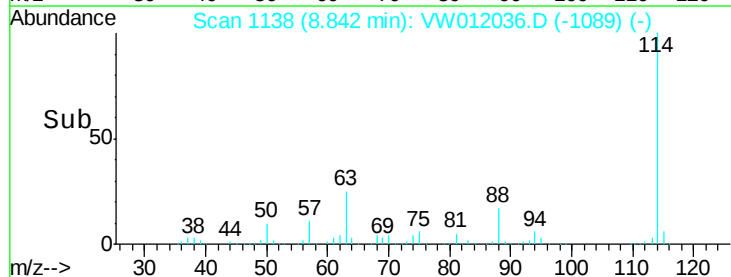
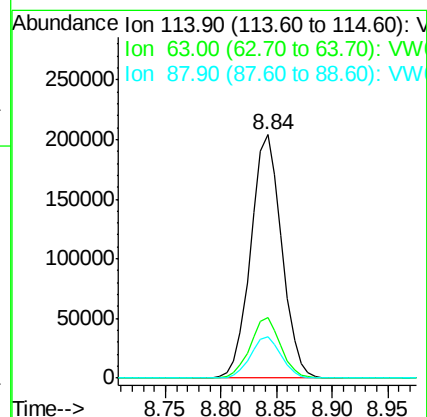
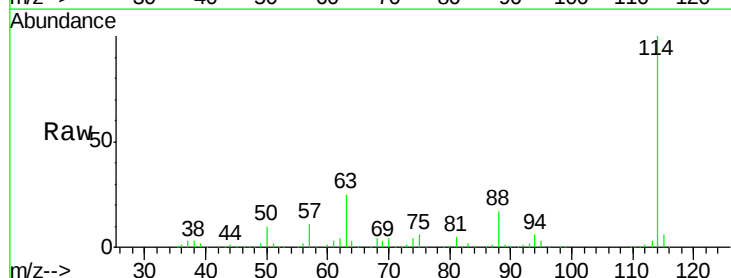
Tgt Ion: 114 Resp: 395016

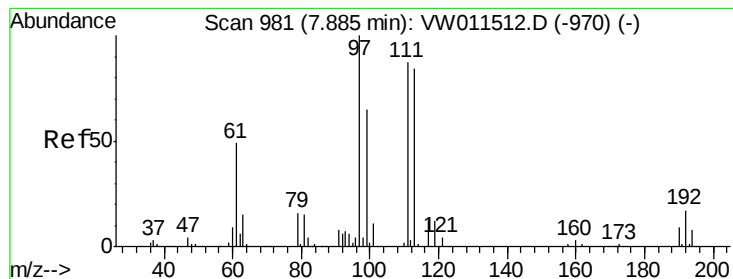
Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.847 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion:113 Resp: 121548

Ion Ratio Lower Upper

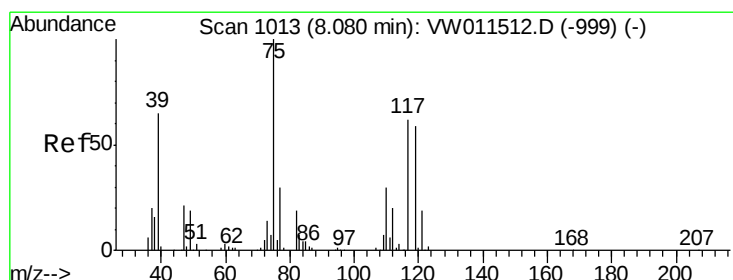
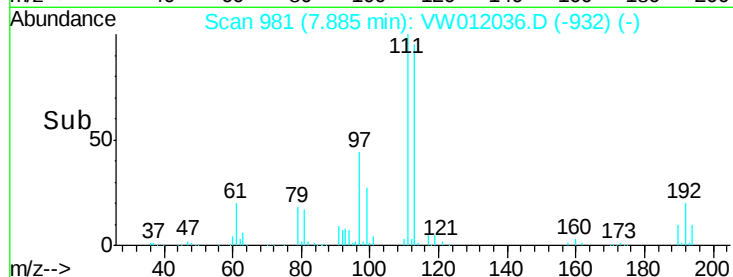
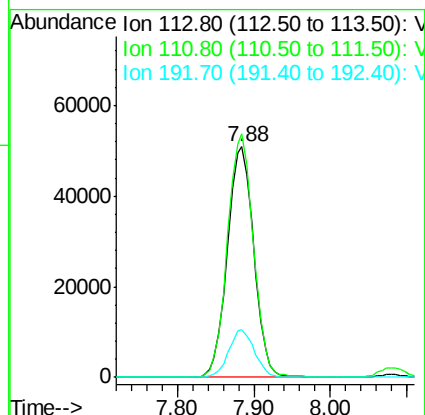
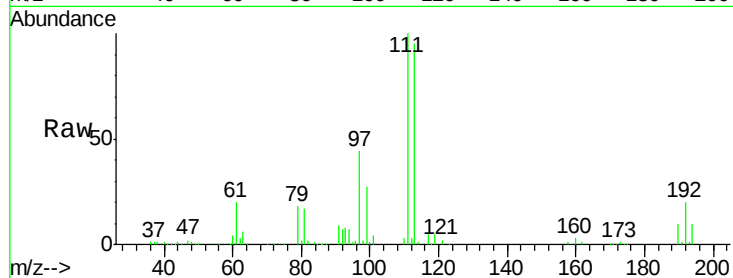
113 100

111 103.7 82.7 124.1

192 20.1 16.1 24.1

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#36

1,1-Dichloropropene

Concen: 21.613 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

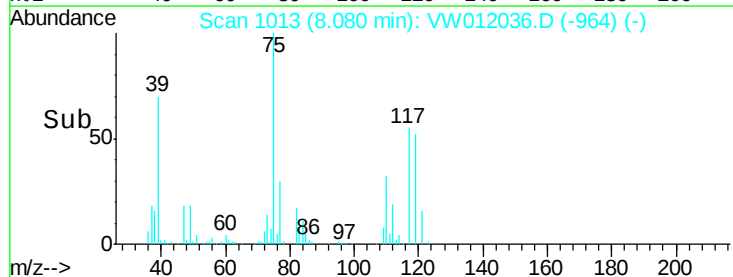
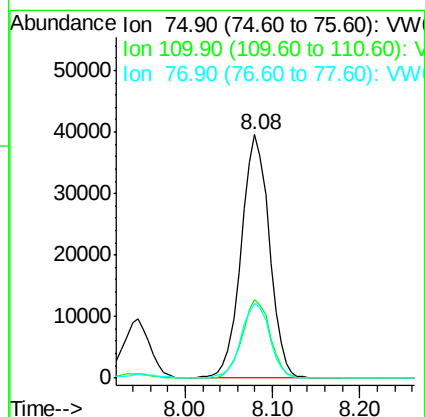
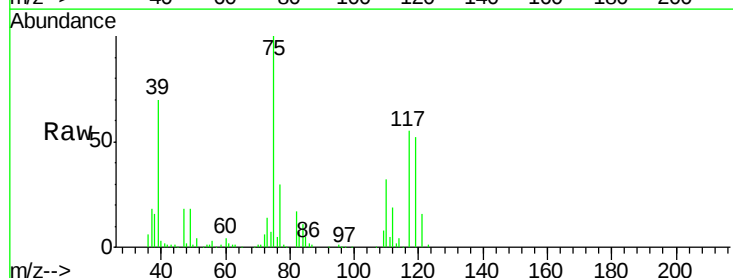
Tgt Ion: 75 Resp: 88775

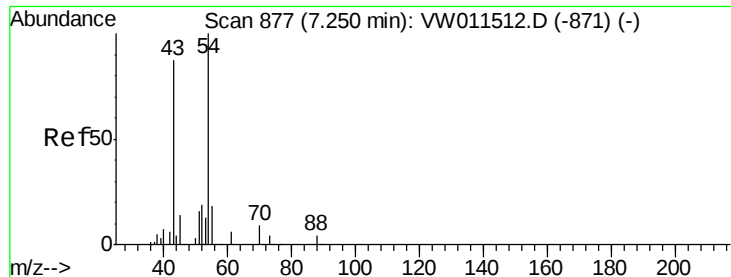
Ion Ratio Lower Upper

75 100

110 31.7 15.6 46.8

77 31.4 24.3 36.5





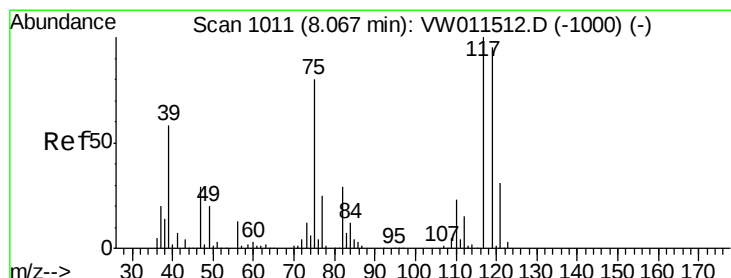
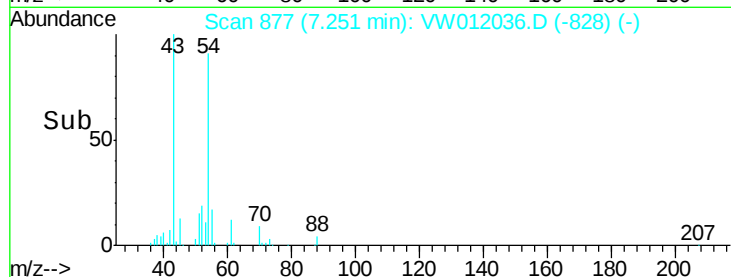
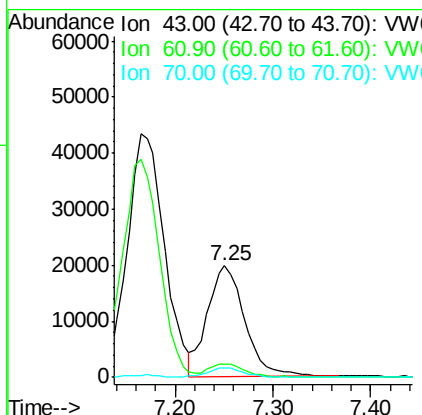
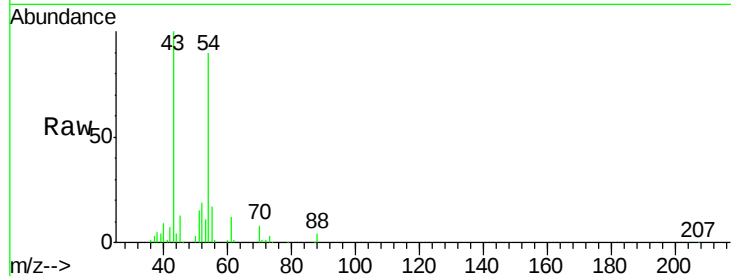
#37
Ethyl Acetate
Concen: 21.982 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	8.8	13.2
70	8.5	7.1	10.7

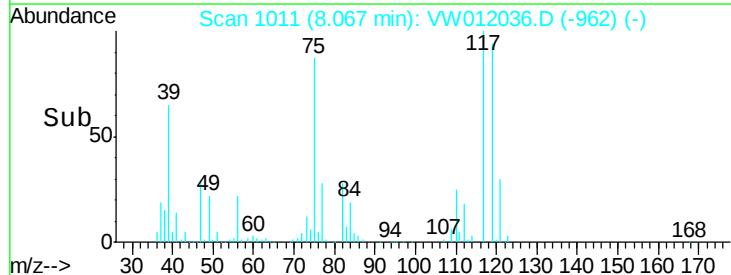
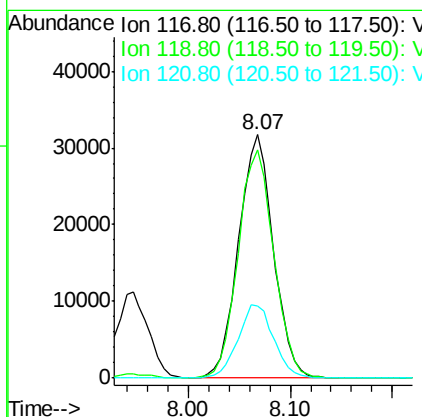
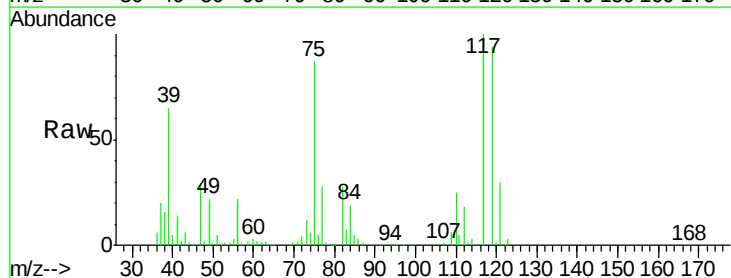
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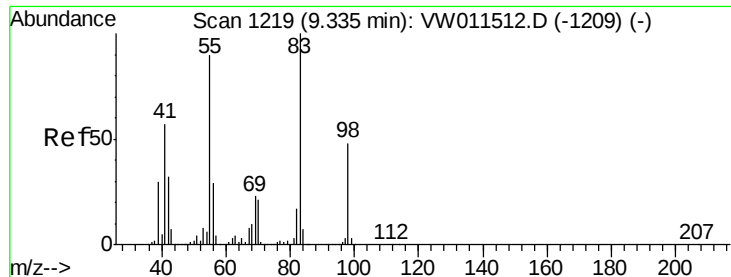
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#38
Carbon Tetrachloride
Concen: 21.418 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.8	113.6
121	29.7	24.7	37.1





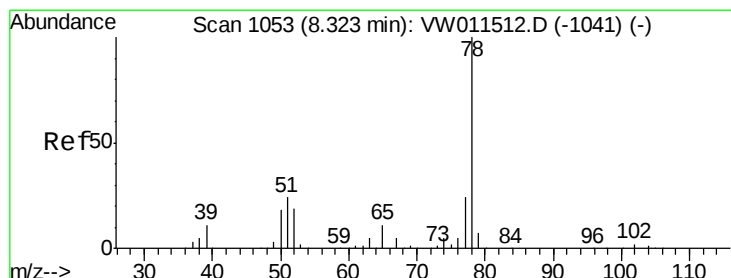
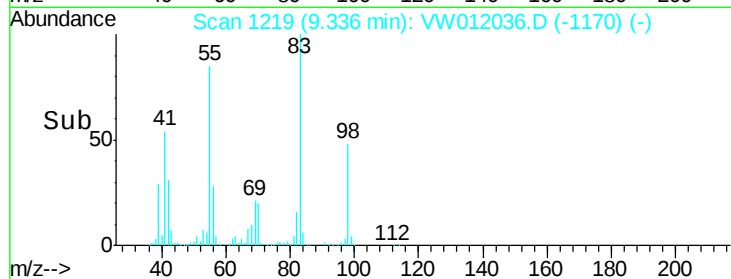
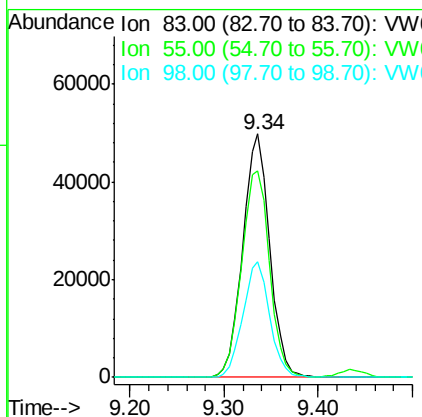
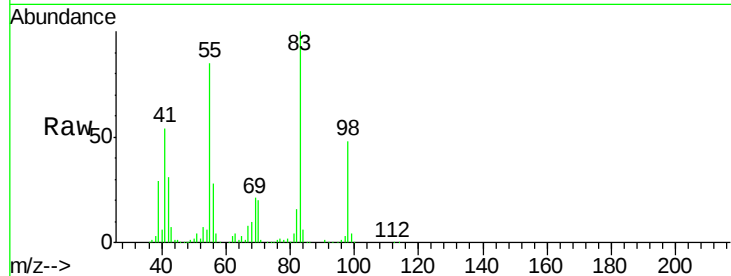
#39
Methvlcvclohexane
Concen: 22.093 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	72.1	108.1
98	47.6	38.6	57.8

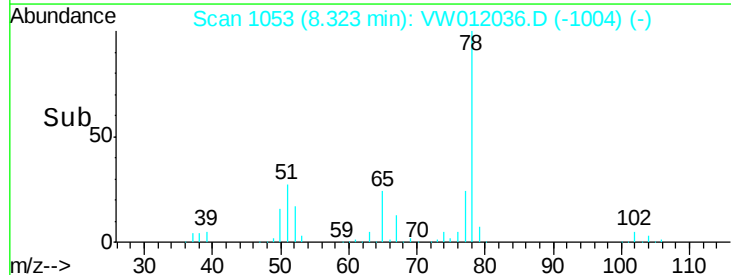
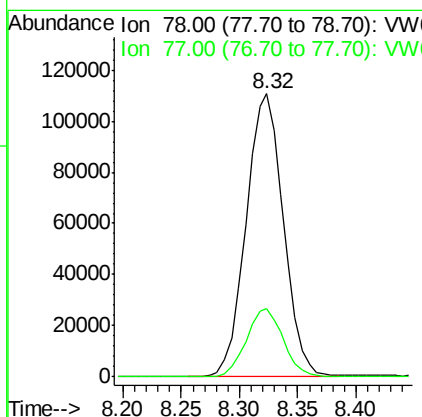
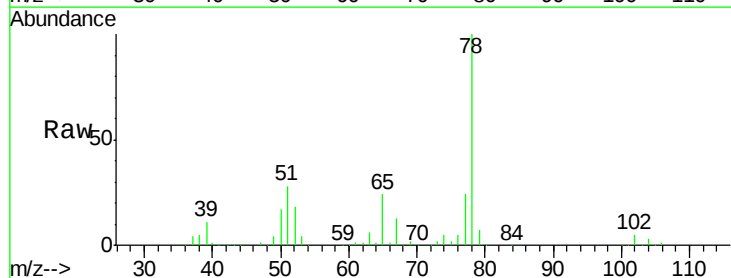
Manual Integrations
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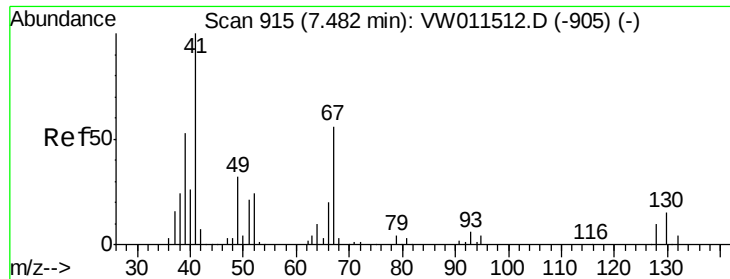
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#40
Benzene
Concen: 21.499 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





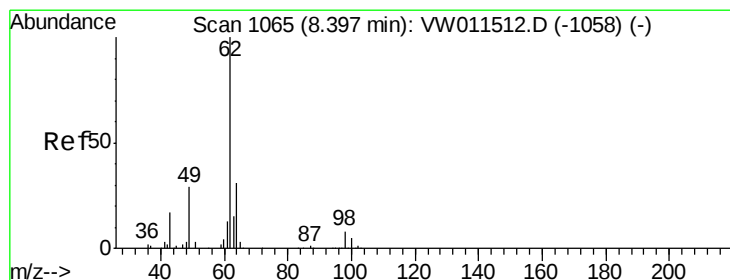
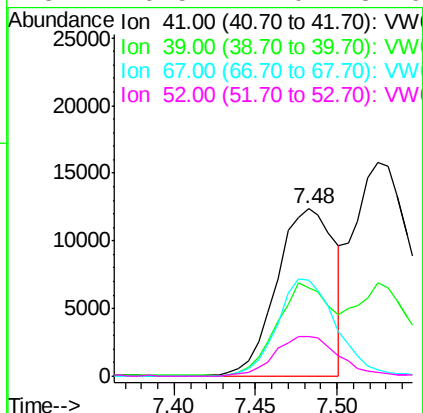
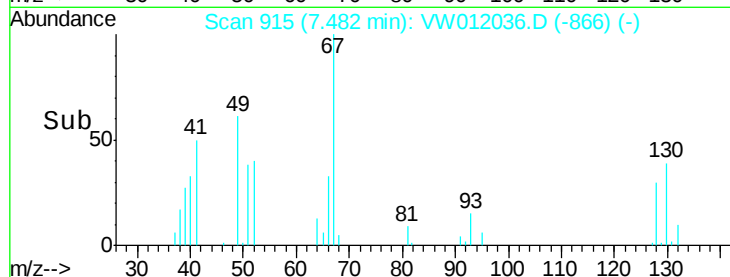
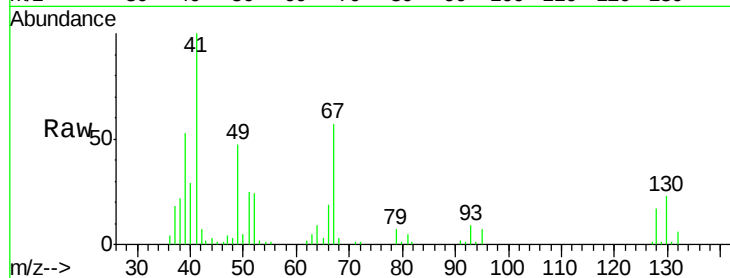
#41
Methacrylonitrile
Concen: 21.652 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	43.0	64.4
67	59.7	47.5	71.3
52	26.5	21.0	31.6

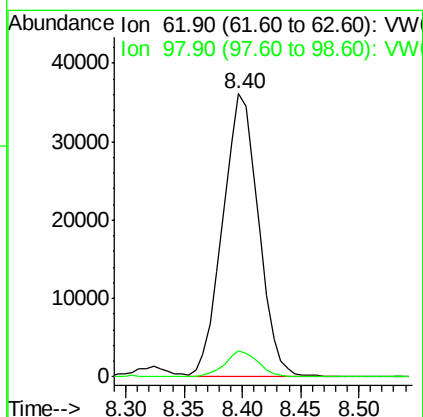
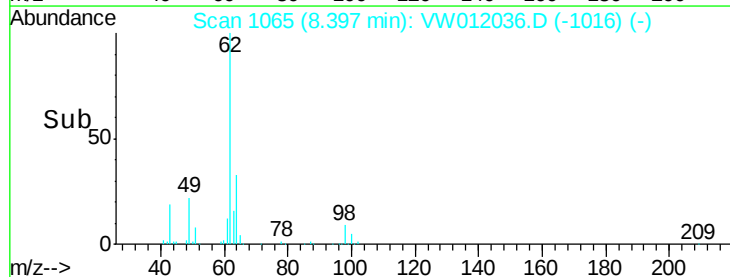
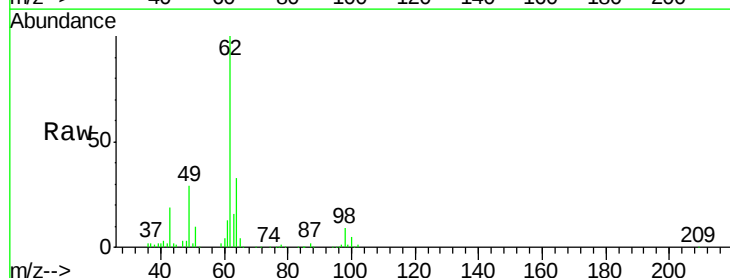
Manual Integrations
APPROVED

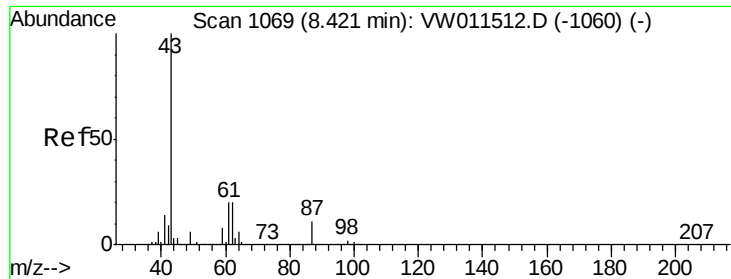
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.448 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 21.785 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

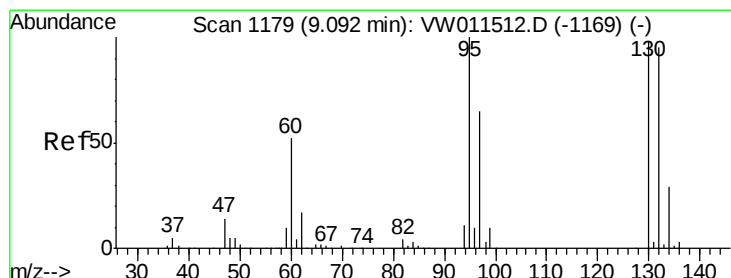
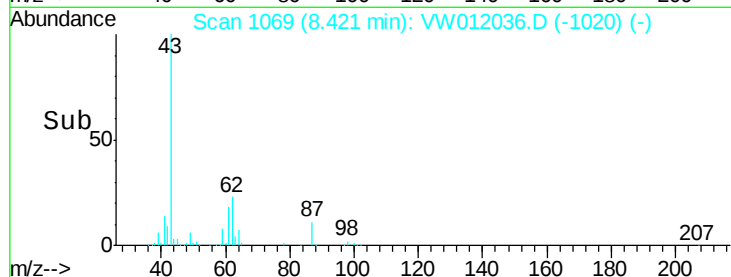
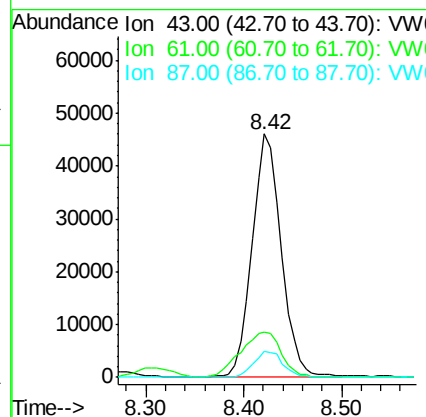
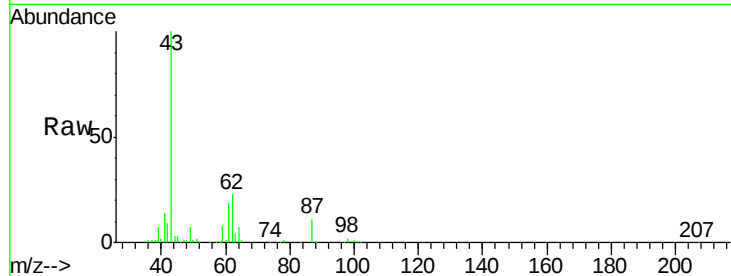
ClientSampleId :

VW0820SBS02

Tot Ion:	43	Resp:	94679
Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.5	32.3
87	10.9	8.4	12.6

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#44

Trichloroethene

Concen: 21.686 ug/l

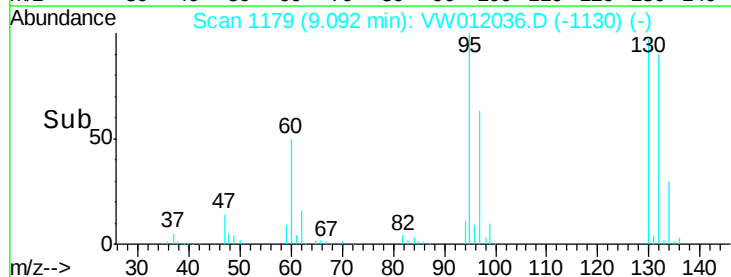
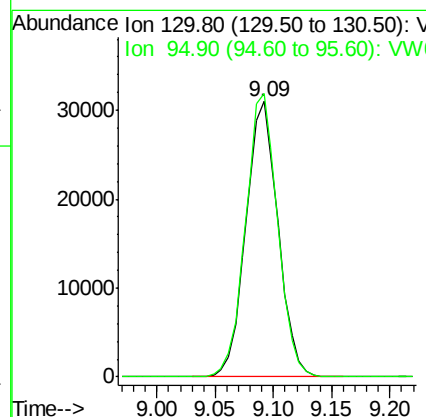
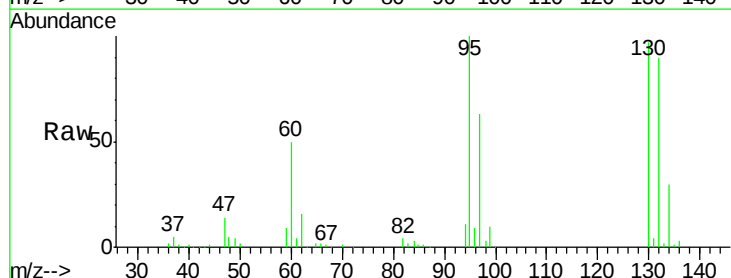
RT: 9.09 min Scan# 1179

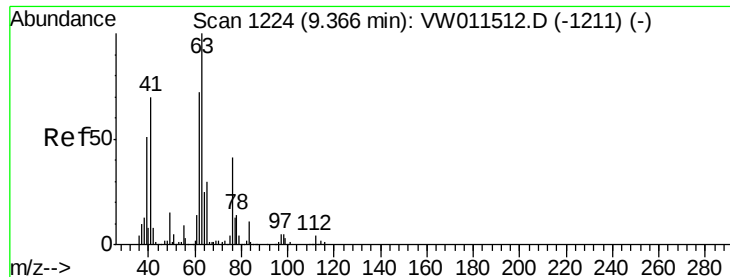
Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion:	130	Resp:	59966
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	204.8





#45

1,2-Dichloropropane

Concen: 21.316 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 63 Resp: 65618

Ion Ratio Lower Upper

63 100

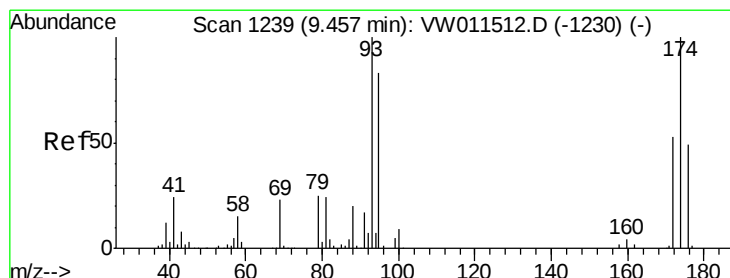
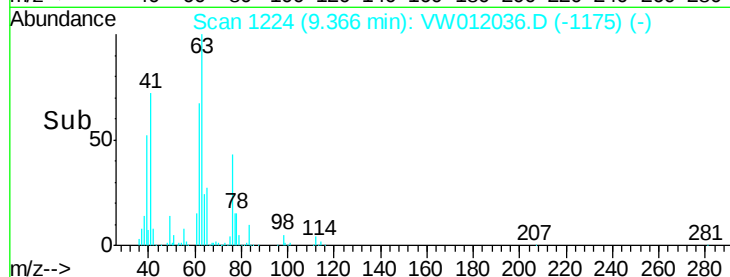
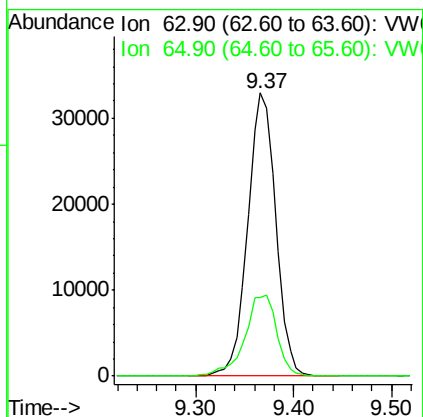
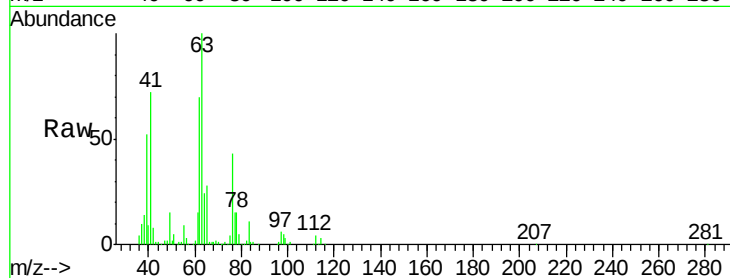
65 27.8 24.2 36.4

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#46

Dibromomethane

Concen: 21.641 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

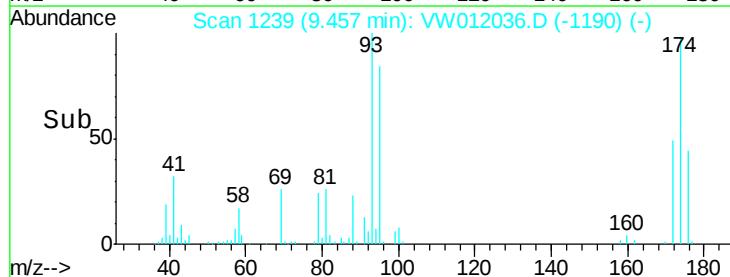
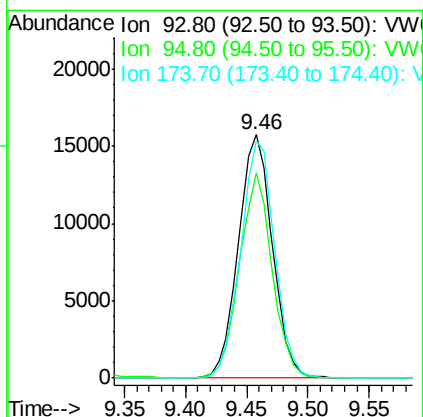
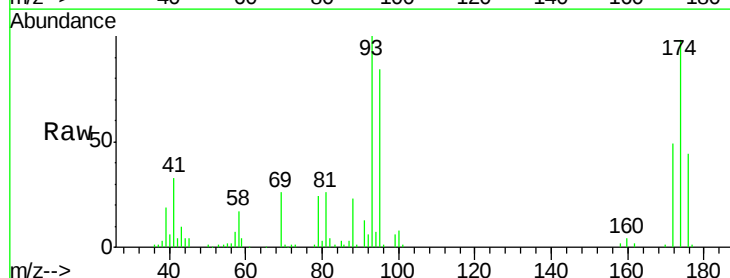
Tgt Ion: 93 Resp: 30407

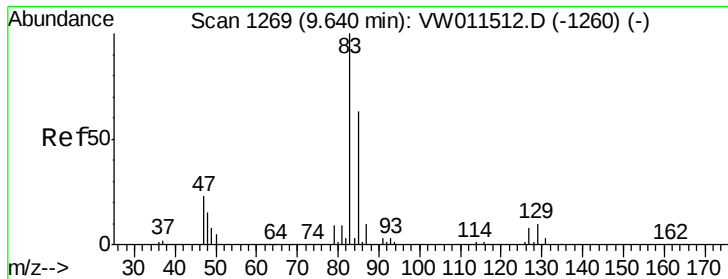
Ion Ratio Lower Upper

93 100

95 80.6 66.2 99.2

174 97.8 78.2 117.4





#47

Bromodichloromethane

Concen: 21.085 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

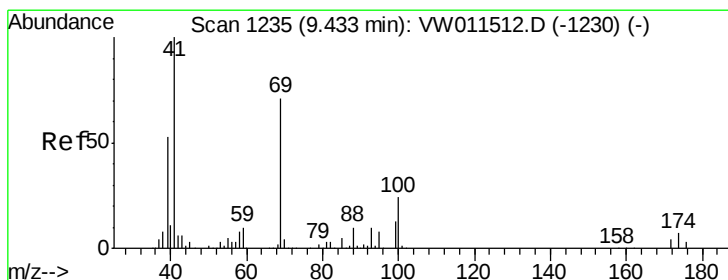
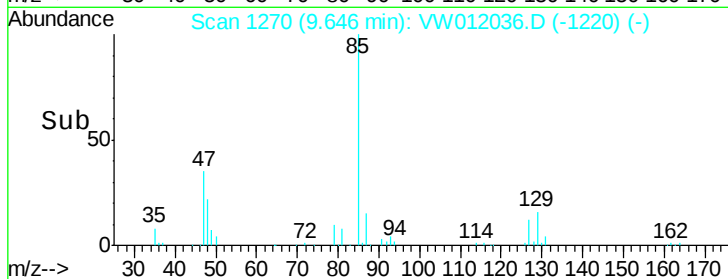
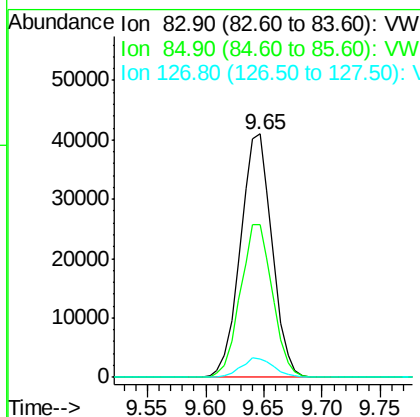
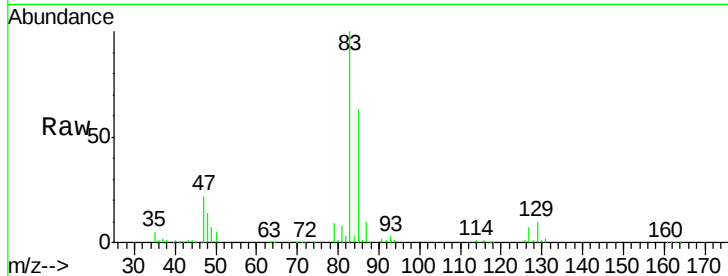
ClientSampleId :

VW0820SBS02

Tot Ion:	83	Resp:	77711
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.5	75.7
127	7.4	6.4	9.6

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#48

Methyl methacrylate

Concen: 21.383 ug/l

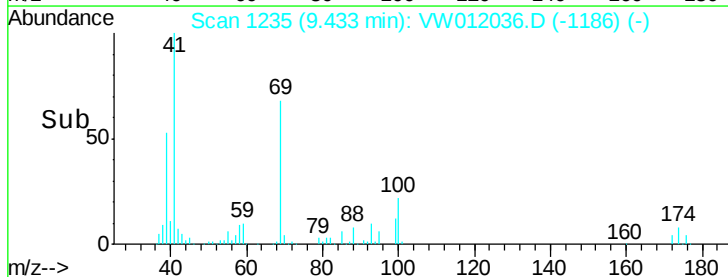
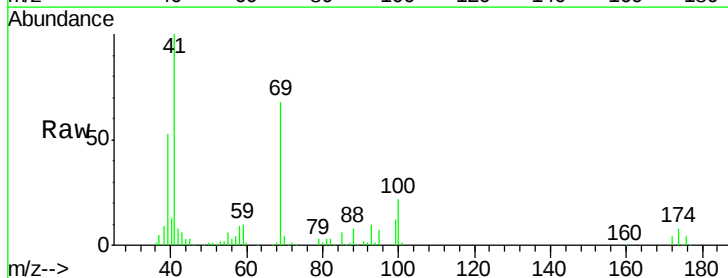
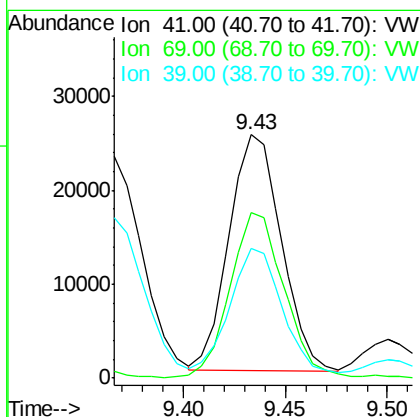
RT: 9.43 min Scan# 1235

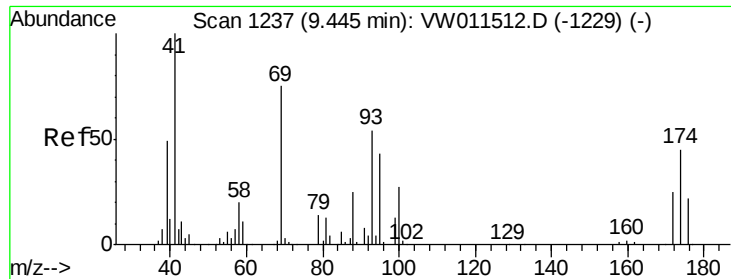
Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion:	41	Resp:	44639
Ion Ratio	Lower	Upper	
41	100		
69	72.3	57.1	85.7
39	56.4	45.4	68.2





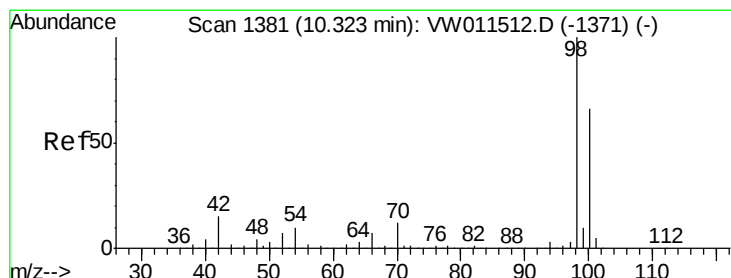
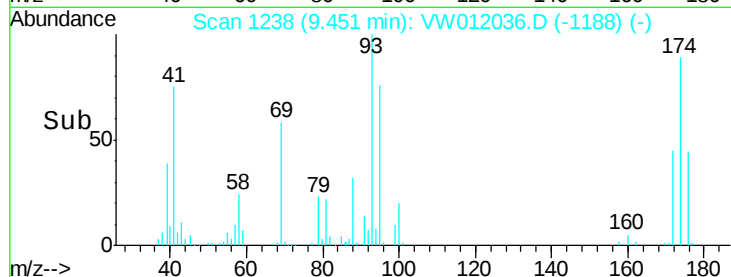
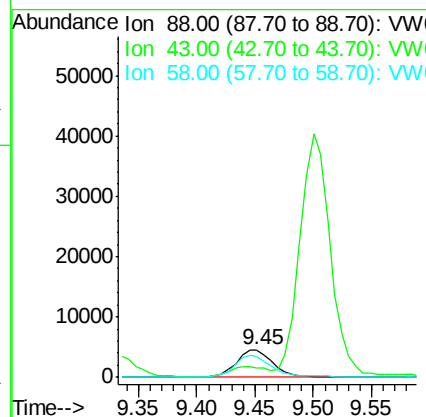
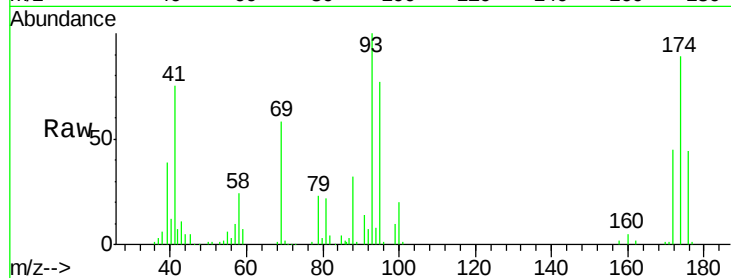
#49
1,4-Dioxane
Concen: 487.758 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion: 88 Resp: 9923
Ion Ratio Lower Upper
88 100
43 37.2 34.0 51.0
58 83.9 69.7 104.5

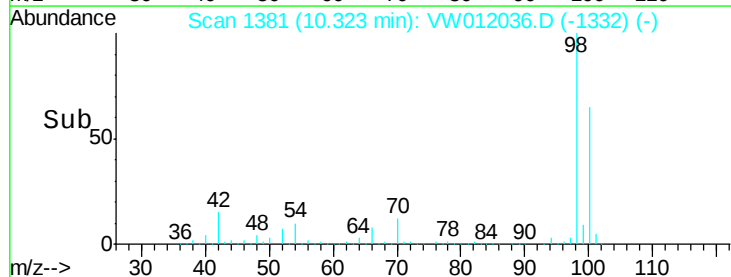
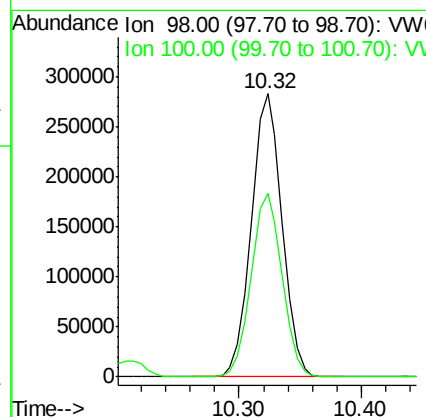
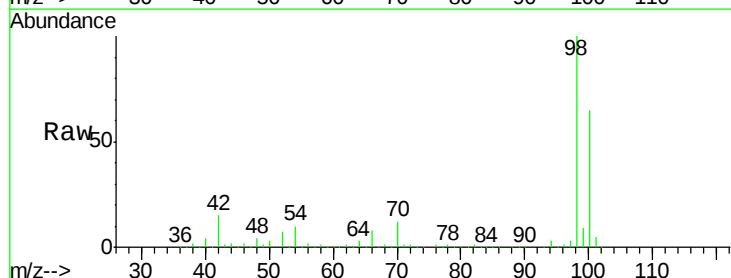
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#50
Toluene-d8
Concen: 54.539 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion: 98 Resp: 494855
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 109.654 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 43 Resp: 247878

Ion Ratio Lower Upper

43 100

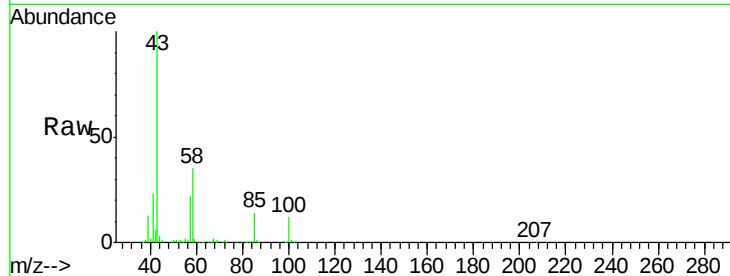
58 35.5 28.2 42.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

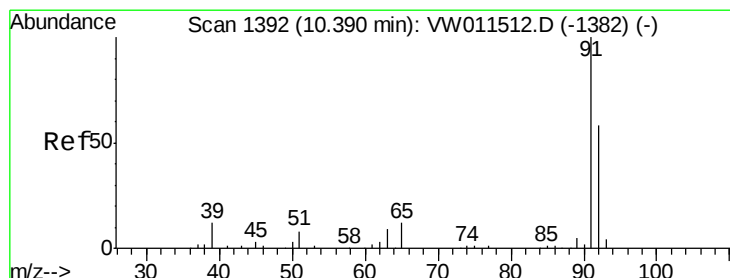
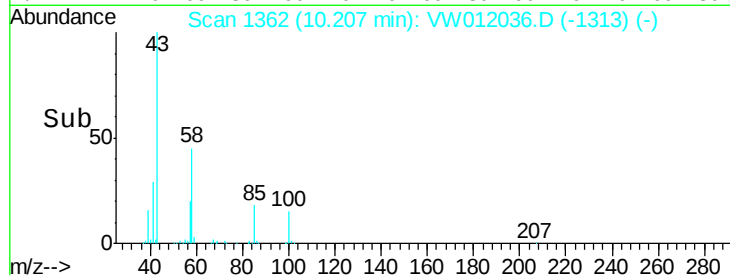
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.546 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW012036.D

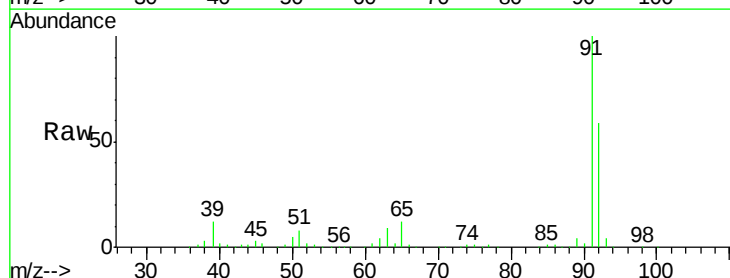
Acq: 20 Aug 2019 18:19

Tgt Ion: 92 Resp: 149703

Ion Ratio Lower Upper

92 100

91 171.8 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

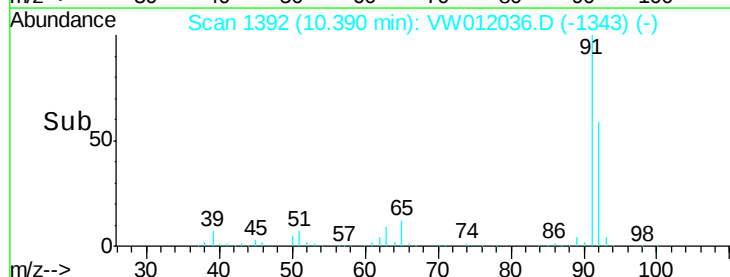
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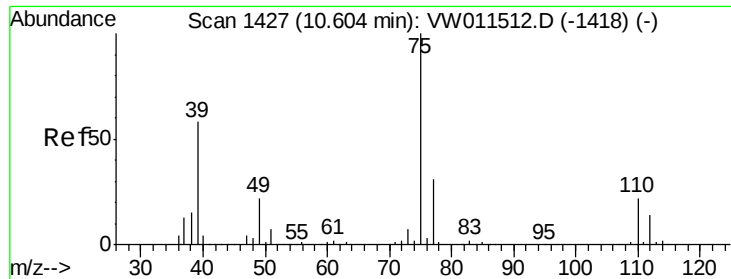
100000

50000

0

Time-->





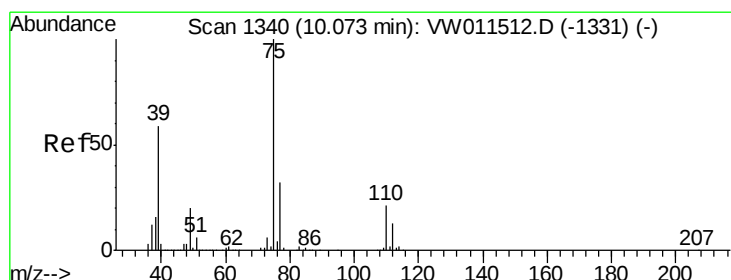
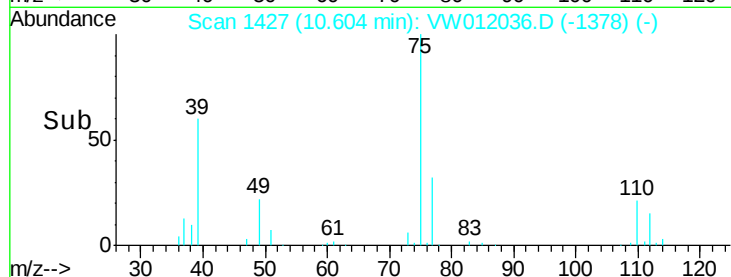
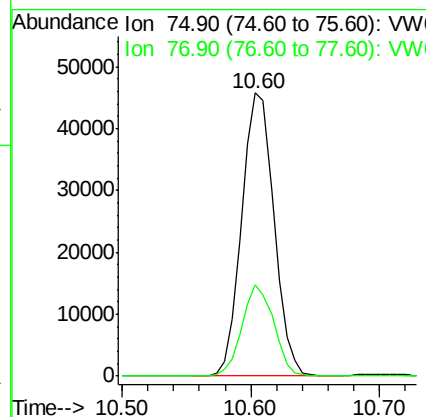
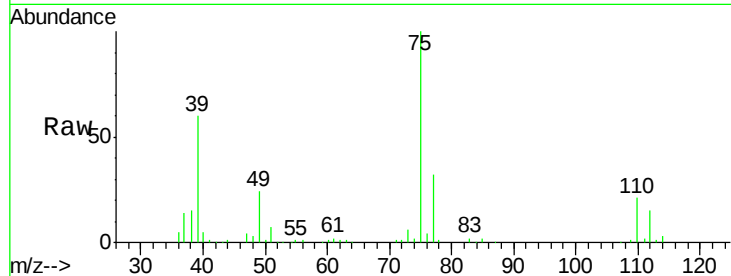
#53
t-1,3-Dichloropropene
Concen: 20.682 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion: 75 Resp: 79625
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4

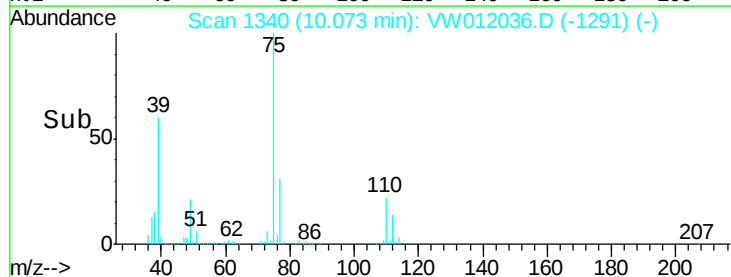
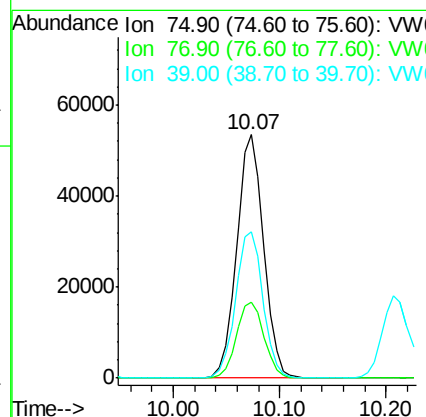
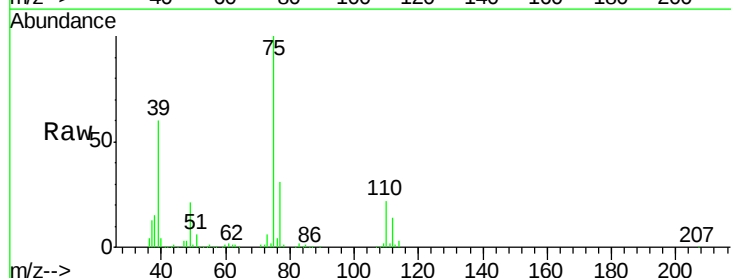
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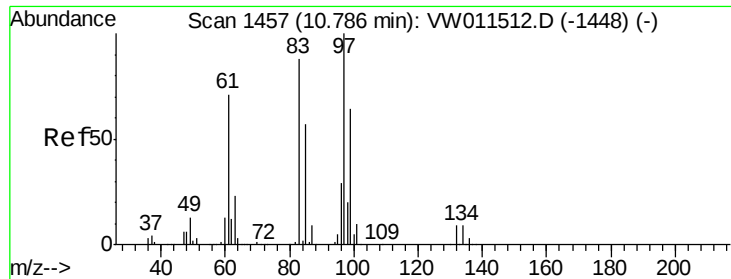
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#54
cis-1,3-Dichloropropene
Concen: 20.655 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion: 75 Resp: 94554
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4
39 59.8 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 21.847 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

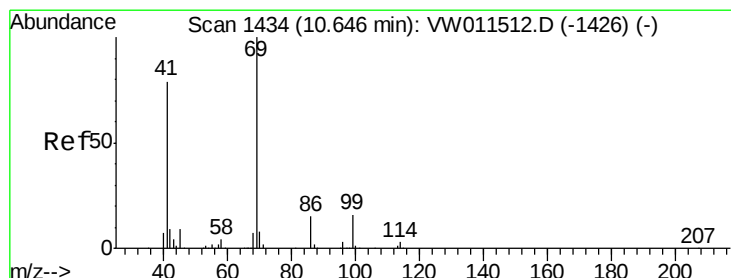
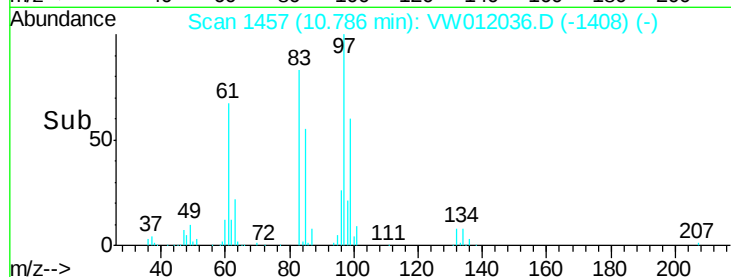
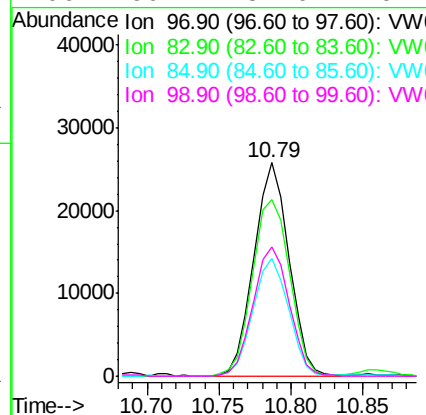
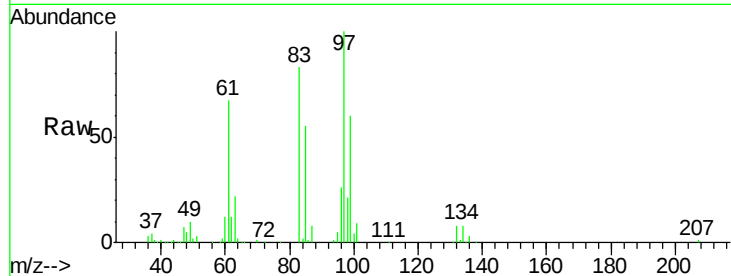
ClientSampleId :

VW0820SBS02

Tot Ion:	97	Resp:	43553
Ion	Ratio	Lower	Upper
97	100		
83	82.9	70.5	105.7
85	54.9	45.8	68.6
99	60.4	51.0	76.4

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#56

Ethyl methacrylate

Concen: 21.700 ug/l

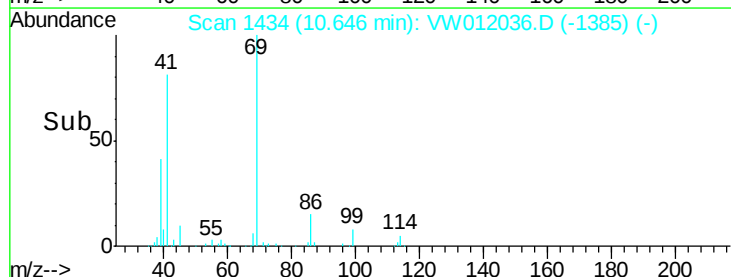
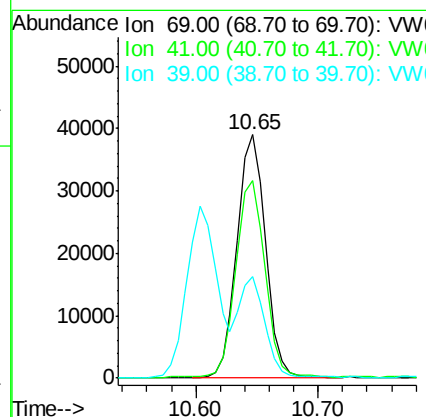
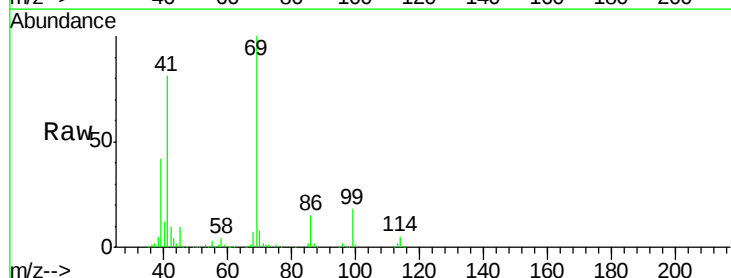
RT: 10.65 min Scan# 1434

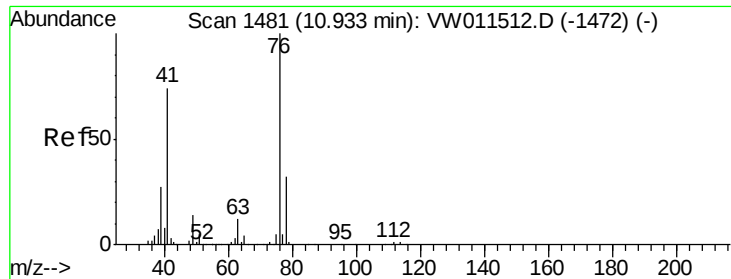
Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion:	69	Resp:	63302
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.6	99.8
39	37.4	30.3	45.5





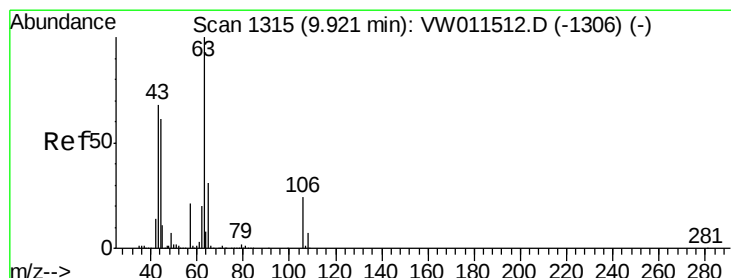
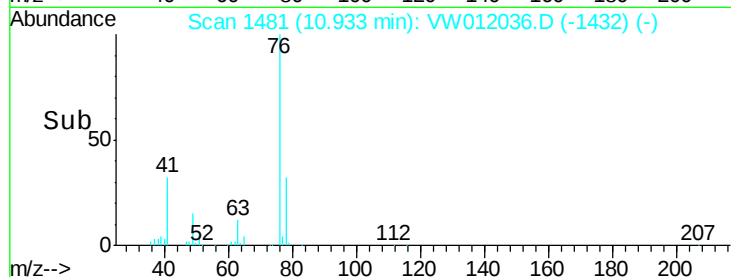
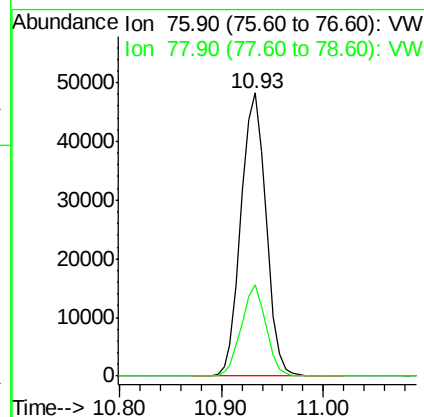
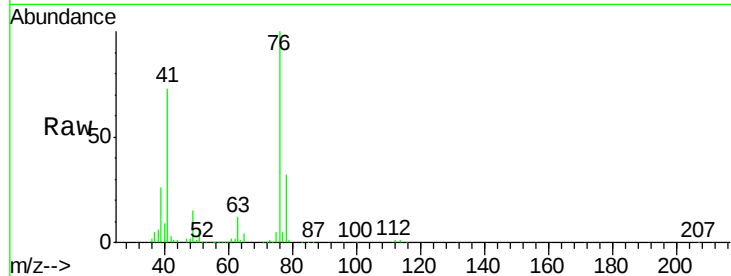
#57
 1,3-Dichloropropane
 Concen: 21.698 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion: 76 Resp: 81837
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8

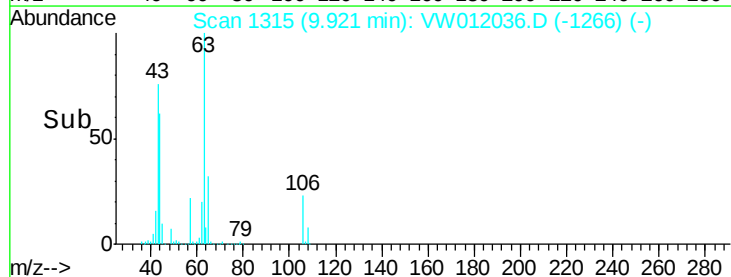
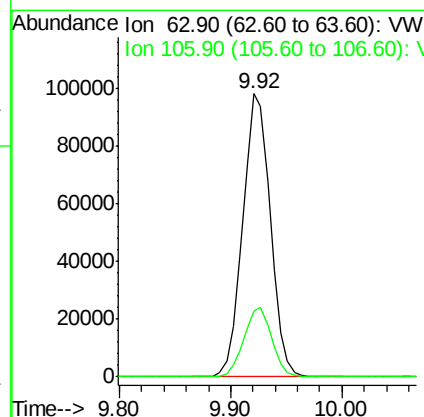
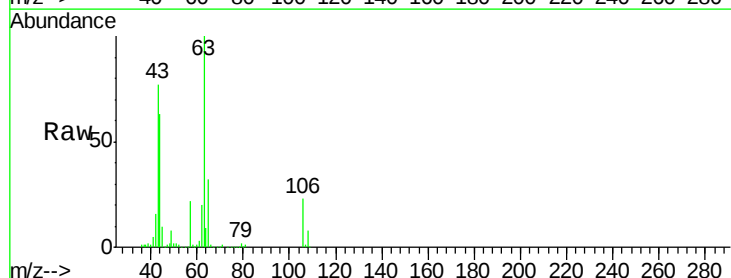
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#58
 2-Chloroethyl Vinyl ether
 Concen: 127.657 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Tgt Ion: 63 Resp: 169084
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.7 29.5





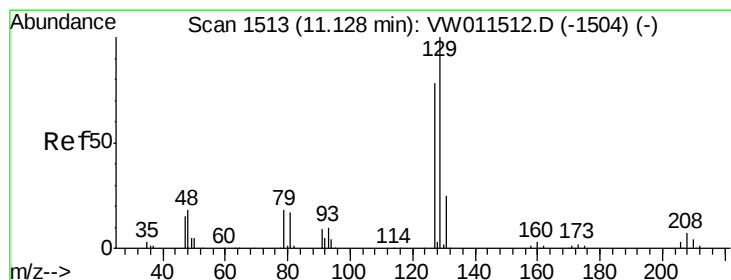
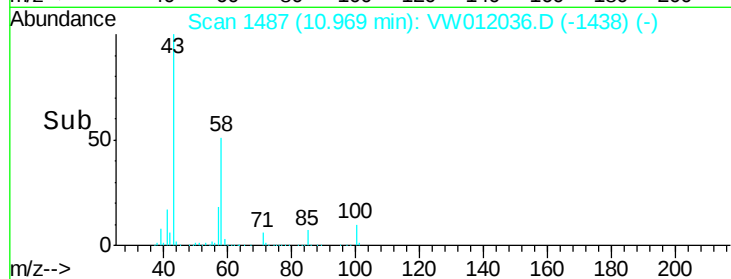
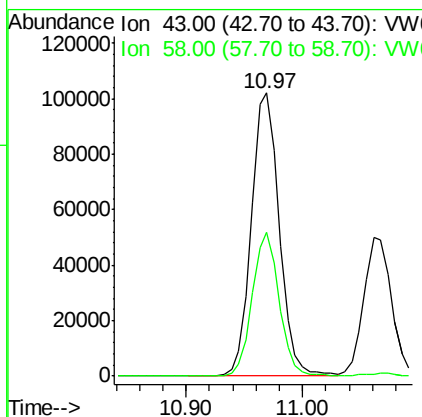
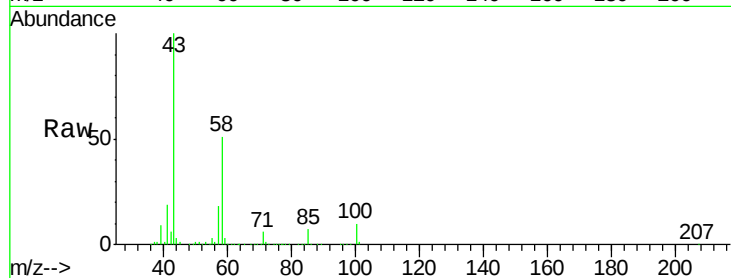
#59
2-Hexanone
Concen: 106.804 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion: 43 Resp: 170469
Ion Ratio Lower Upper
43 100
58 49.2 24.3 72.9

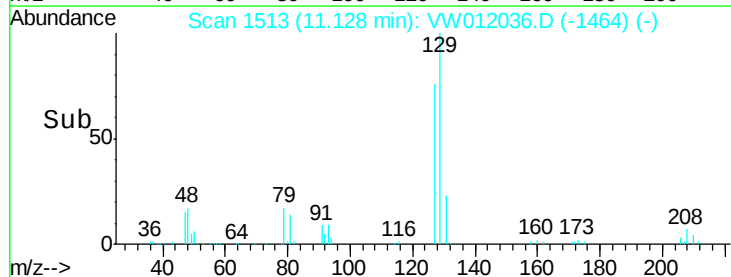
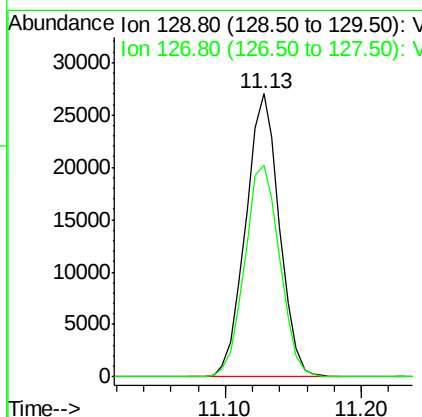
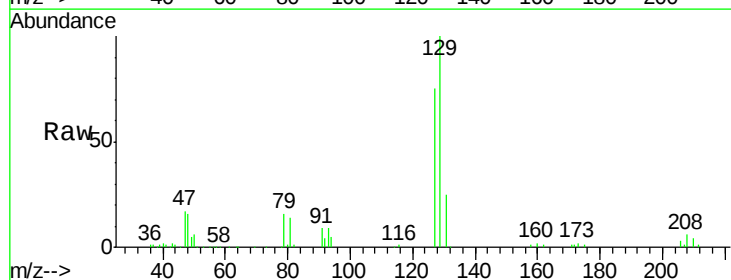
Manual Integrations
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8/21/2019 8:29:57 AM



#60
Dibromochloromethane
Concen: 21.179 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion: 129 Resp: 46866
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





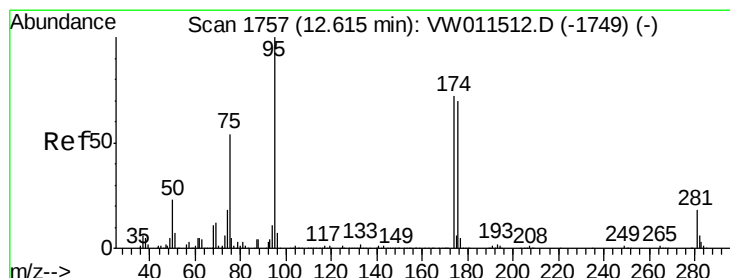
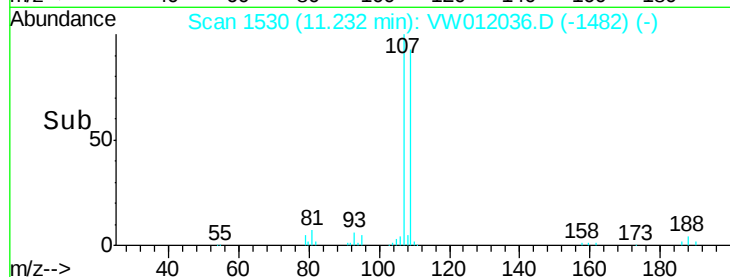
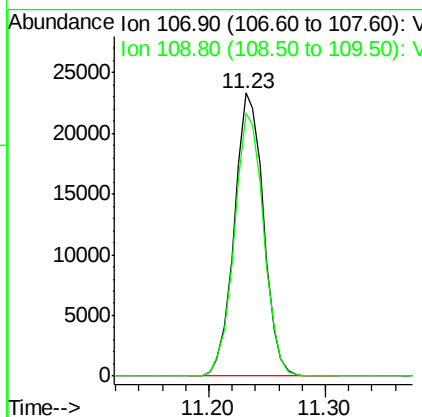
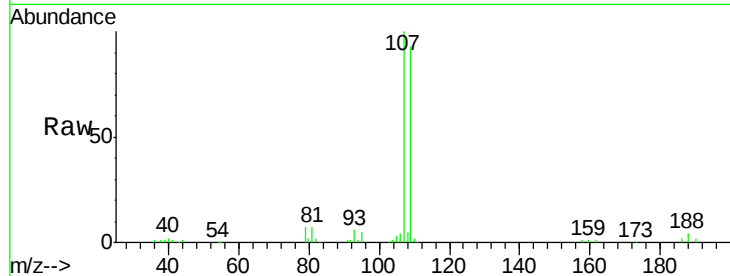
#61
 1,2-Dibromoethane
 Concen: 21.573 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

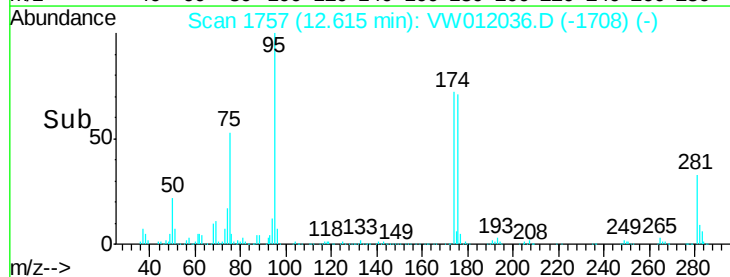
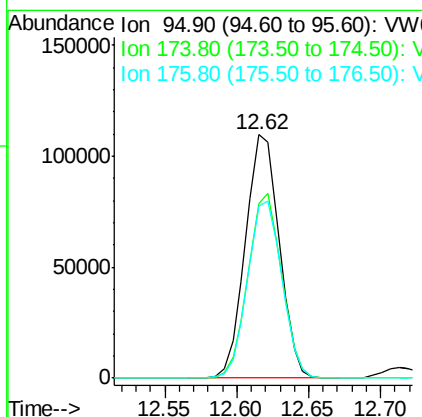
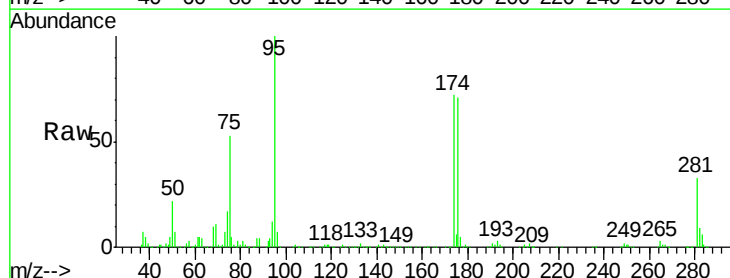
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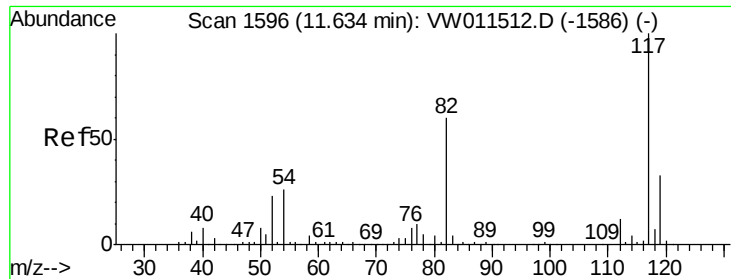
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#62
 4-Bromofluorobenzene
 Concen: 55.141 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.2
176	73.7	0.0	144.4





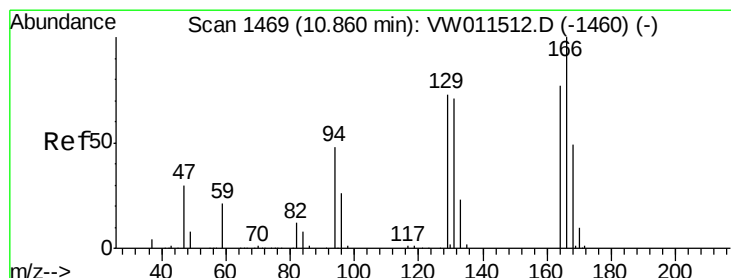
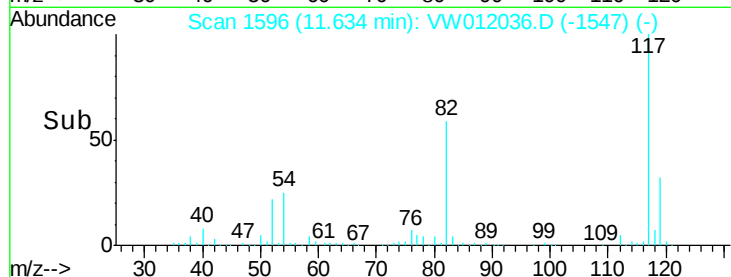
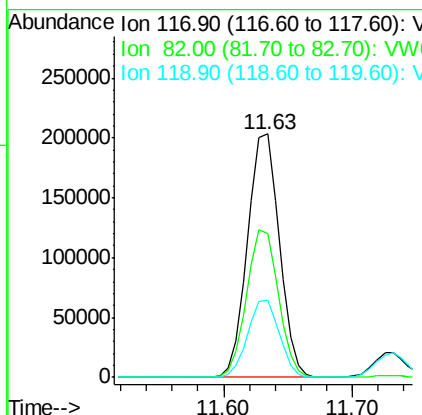
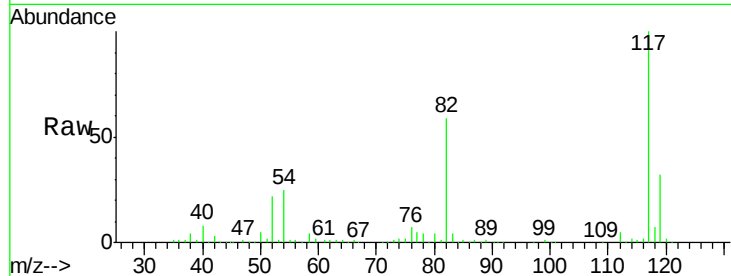
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.9	71.9
119	31.9	26.2	39.2

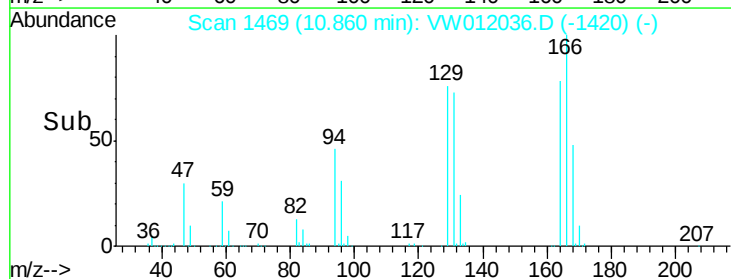
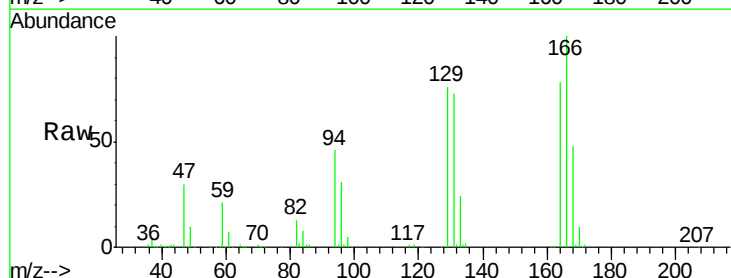
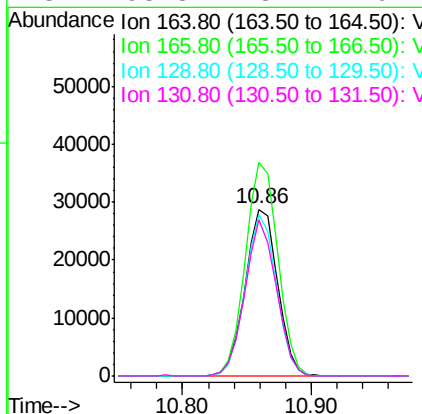
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#64
Tetrachloroethene
Concen: 22.031 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.5	155.3
129	96.7	75.2	112.8
131	93.3	73.4	110.2





#65

Chlorobenzene

Concen: 21.447 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion:112 Resp: 149713

Ion Ratio Lower Upper

112 100

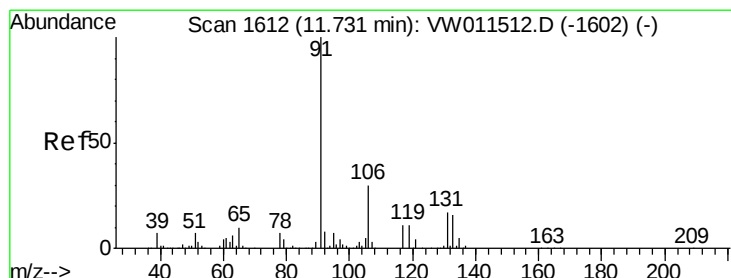
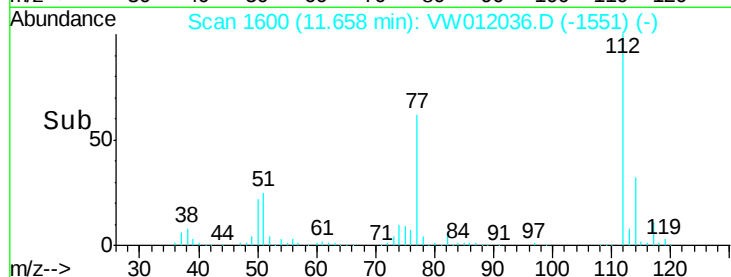
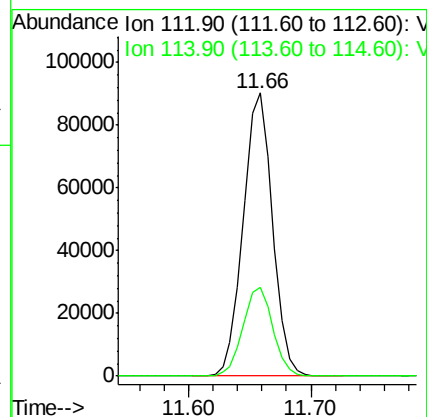
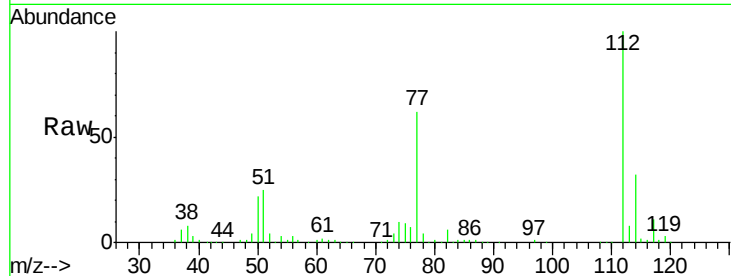
114 31.6 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.588 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

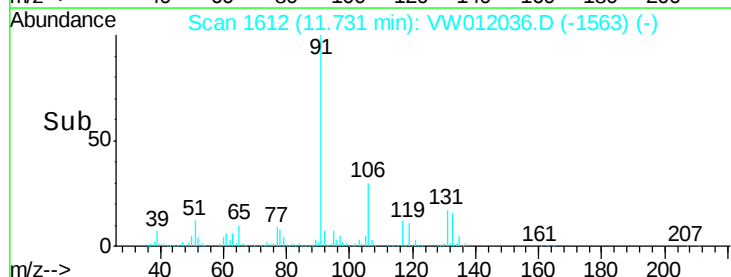
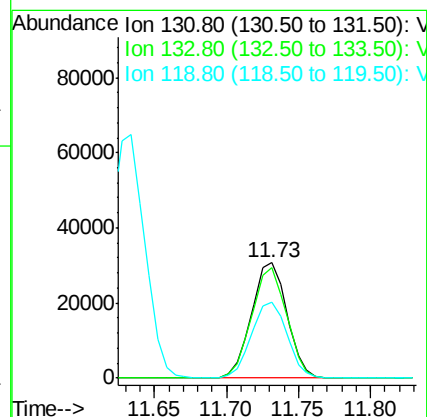
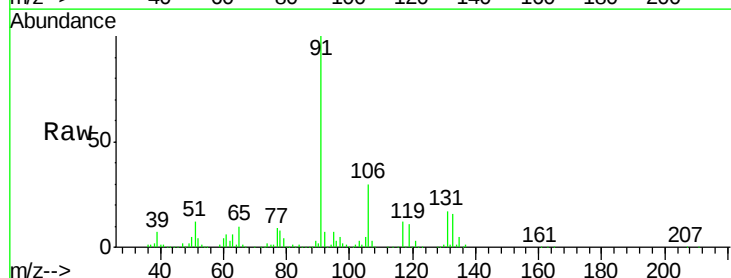
Tgt Ion:131 Resp: 52491

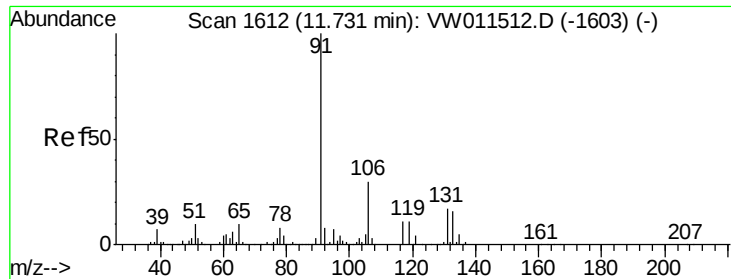
Ion Ratio Lower Upper

131 100

133 94.6 47.4 142.2

119 66.0 32.3 96.9





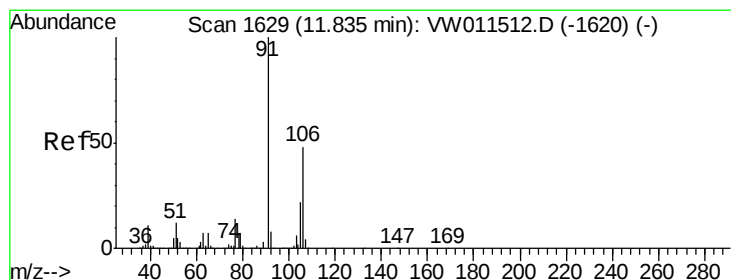
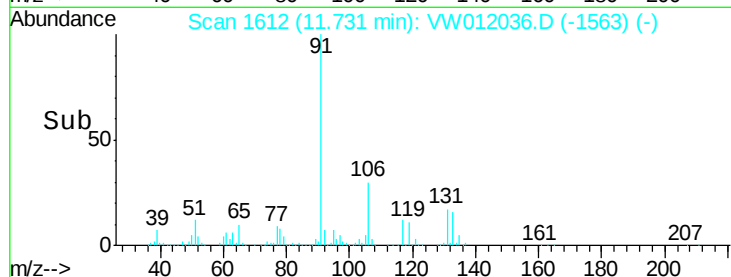
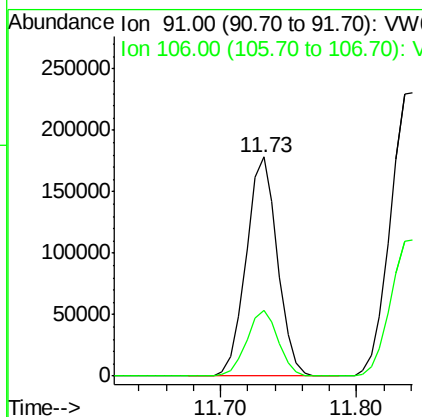
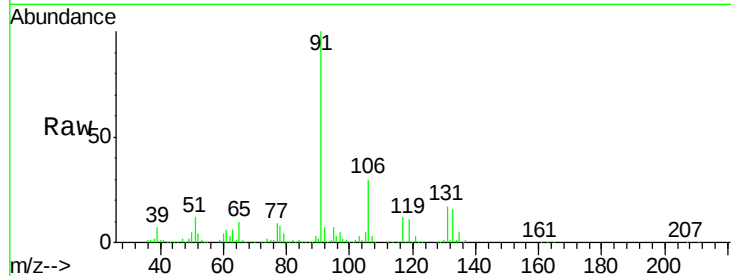
#67
Ethyl Benzene
Concen: 21.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.8	35.6

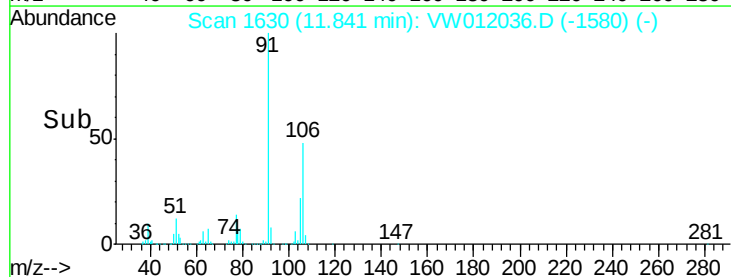
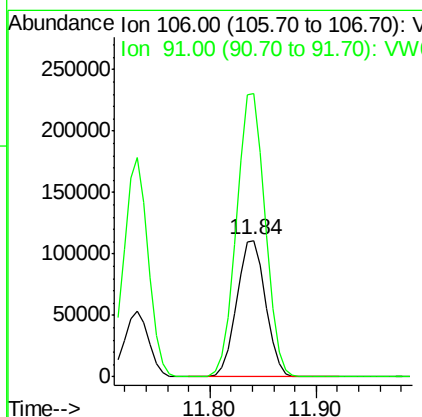
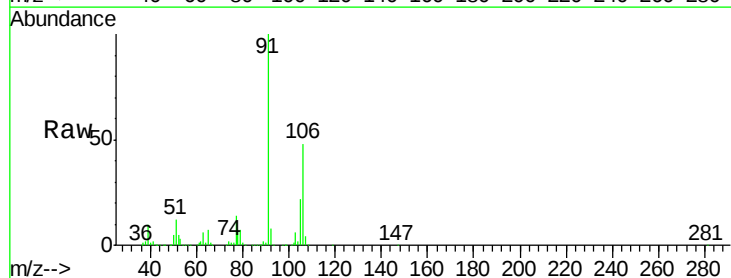
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#68
m/p-Xylenes
Concen: 43.729 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.3	168.2	252.2





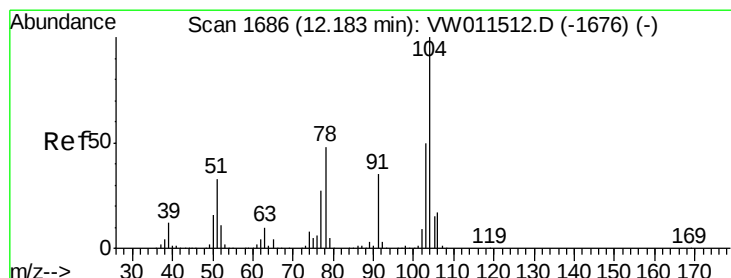
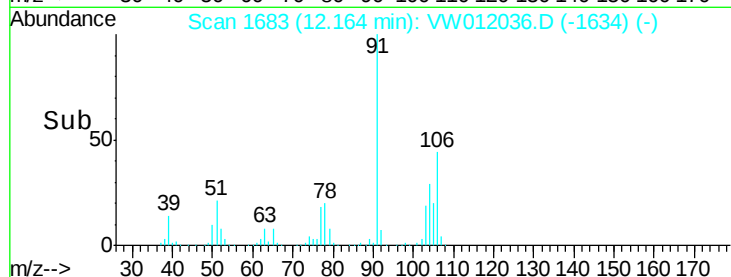
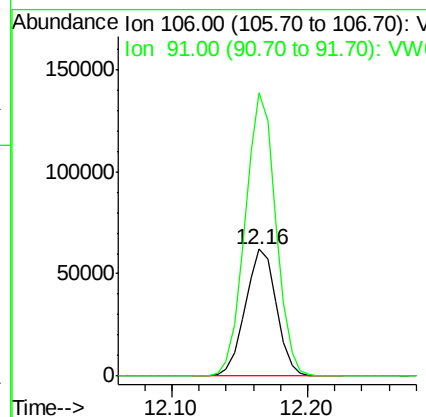
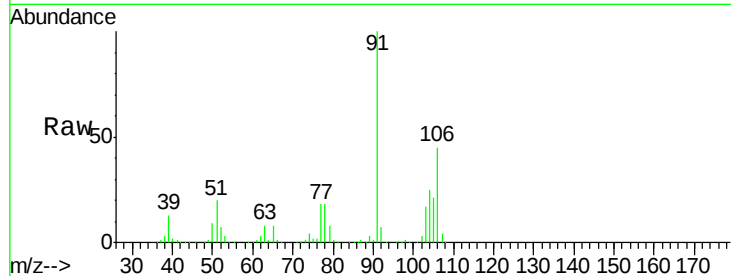
#69
o-Xylene
Concen: 22.099 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		99288		
91	220.3	110.5	331.5		

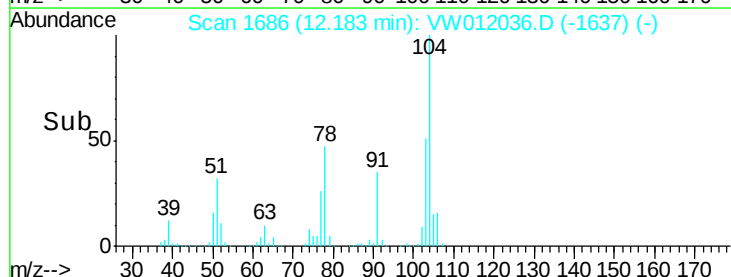
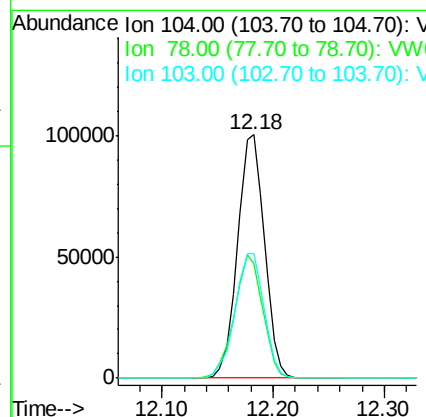
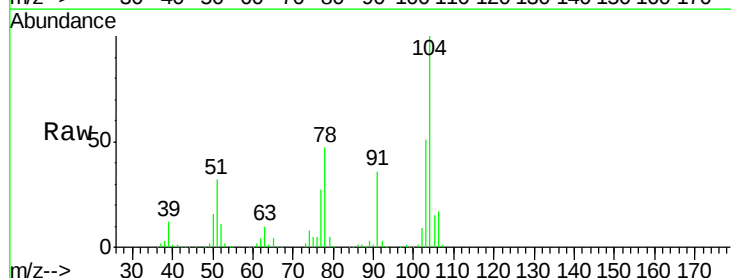
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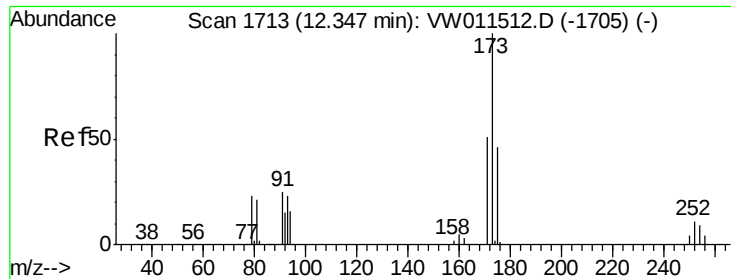
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#70
Styrene
Concen: 21.694 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		168524		
78	53.0	43.4	65.0		
103	55.3	43.9	65.9		





#71

Bromoform

Concen: 21.309 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion:173 Resp: 26418

Ion Ratio Lower Upper

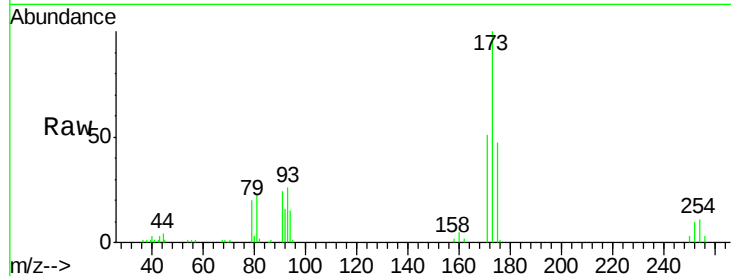
173 100

175 48.8 23.6 71.0

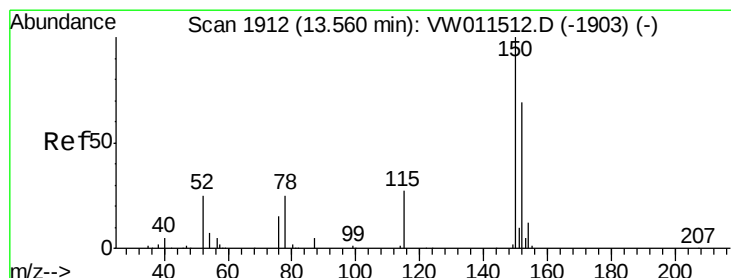
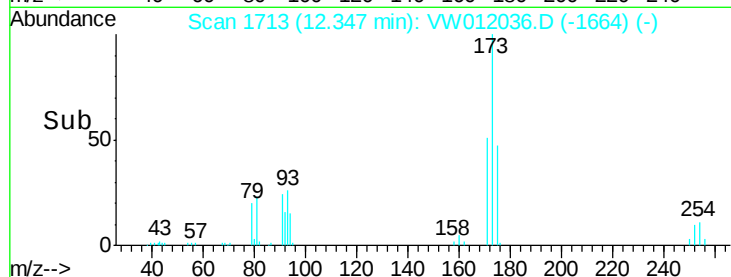
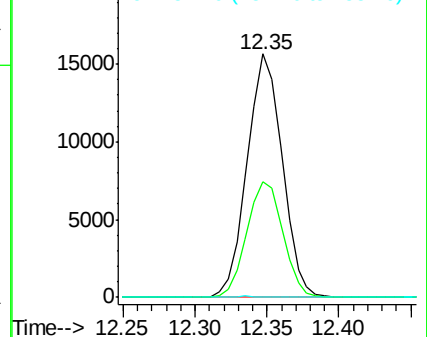
254 0.1 0.1 0.1

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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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

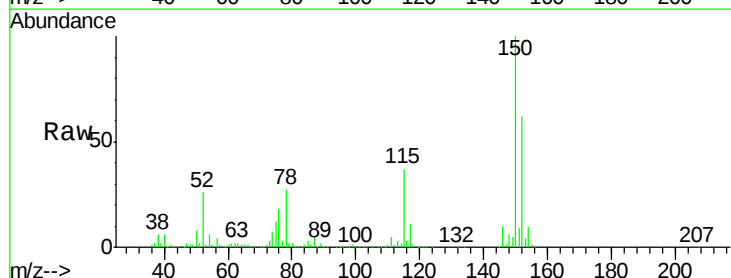
Tgt Ion:152 Resp: 165963

Ion Ratio Lower Upper

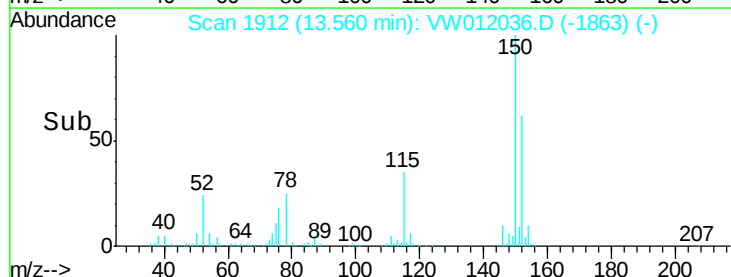
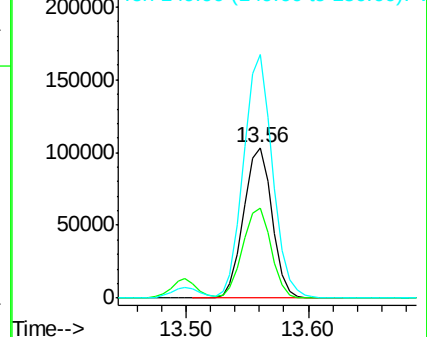
152 100

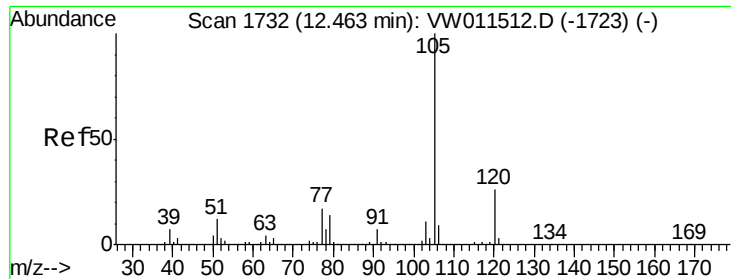
115 60.2 30.5 91.5

150 165.2 0.0 352.6



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: 22.113 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 105 Resp: 273789

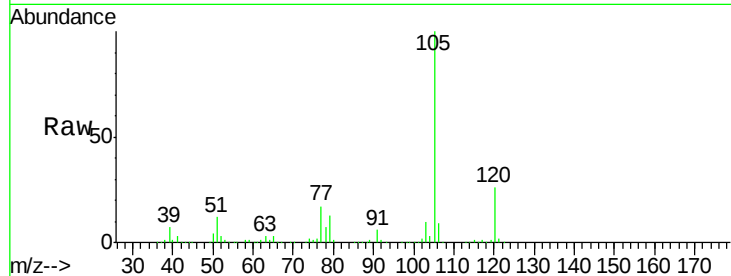
Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

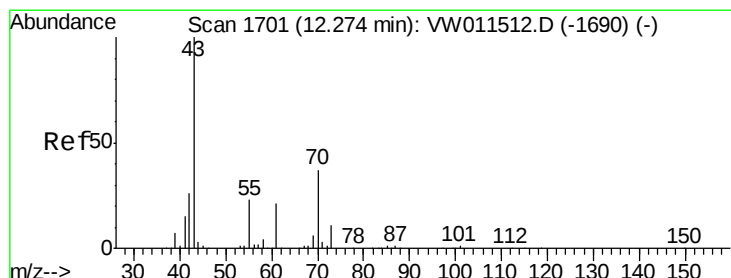
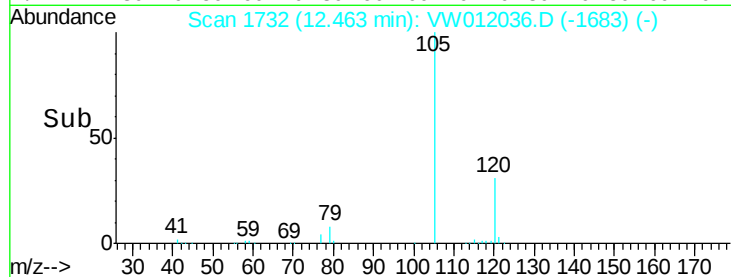
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 22.662 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion: 43 Resp: 87845

Ion Ratio Lower Upper

43 100

70 35.9 28.6 43.0

55 23.3 17.8 26.8

61 21.3 17.0 25.6

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

80000

60000

40000

20000

0

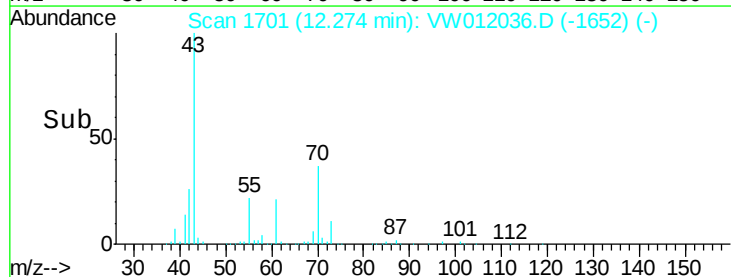
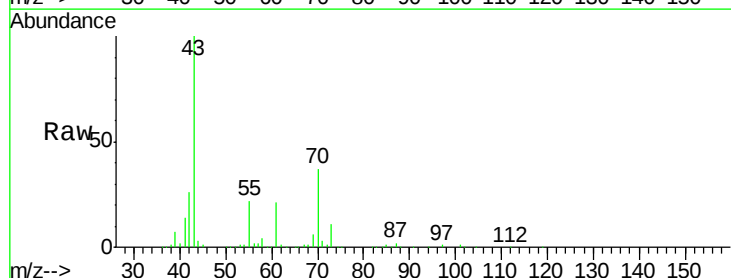
12.27

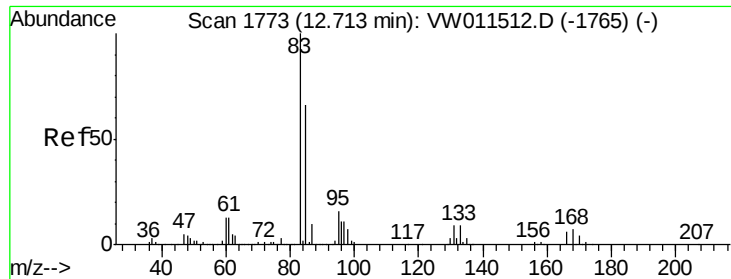
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.850 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

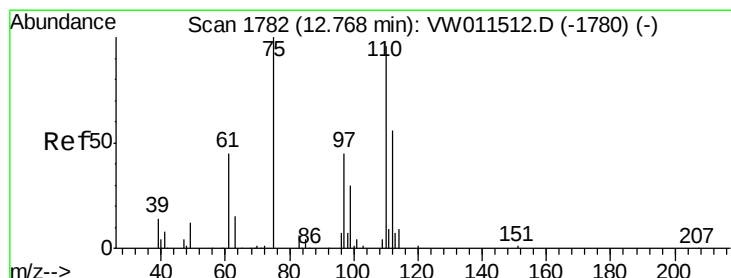
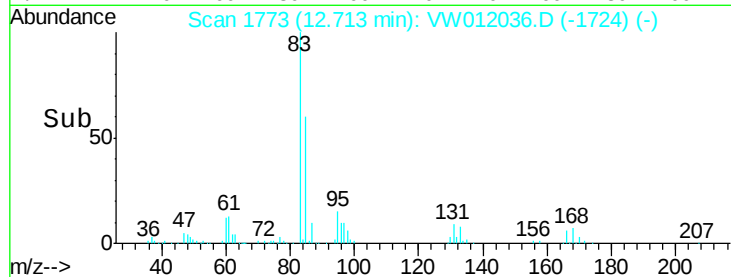
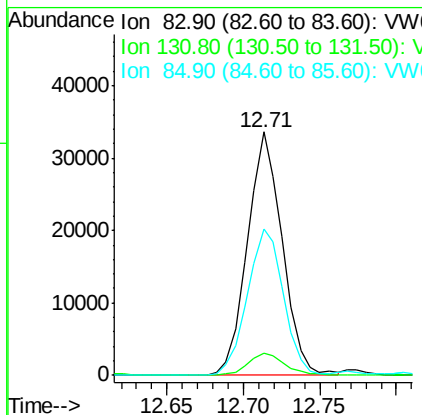
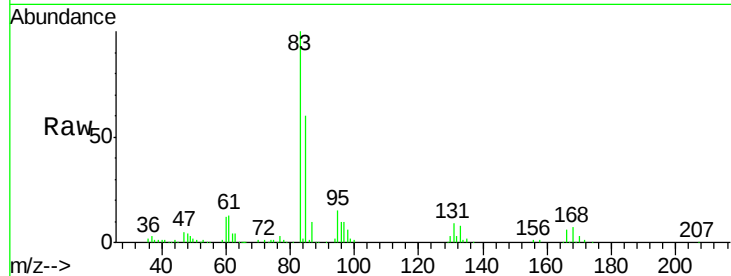
ClientSampleId :

VW0820SBS02

Tot Ion:	83	Resp:	53215
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	62.4	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 24.923 ug/l m

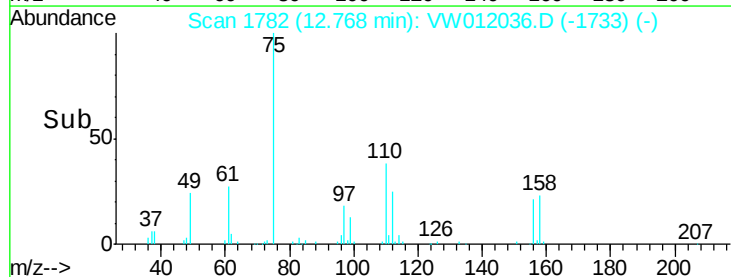
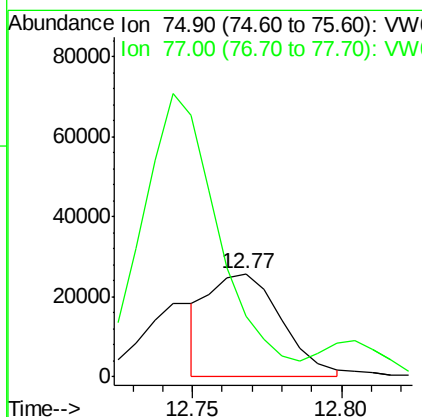
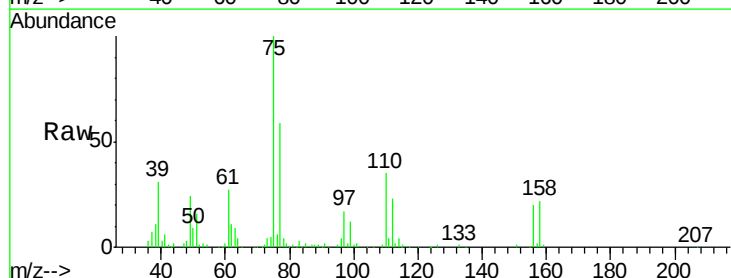
RT: 12.77 min Scan# 1782

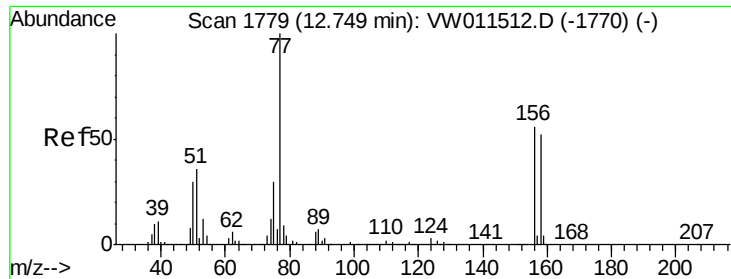
Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion:	75	Resp:	43766
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.700 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

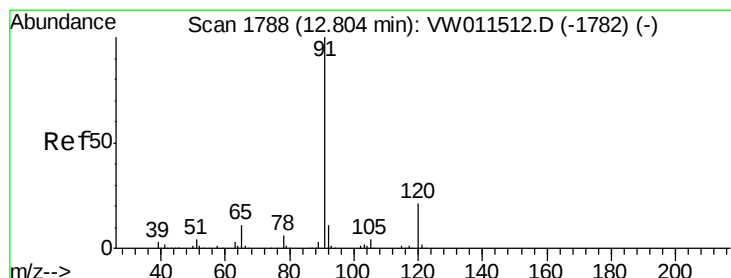
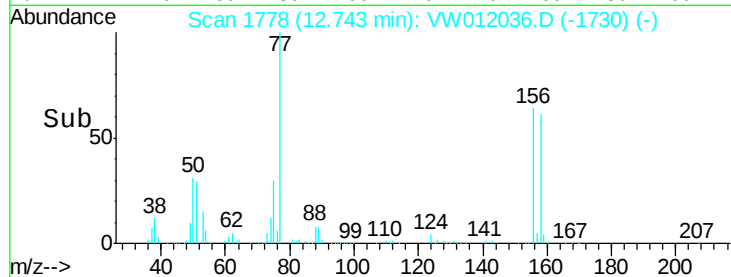
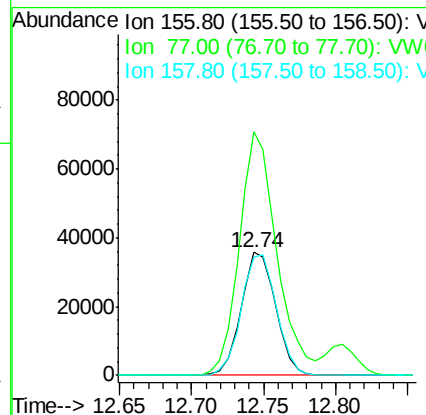
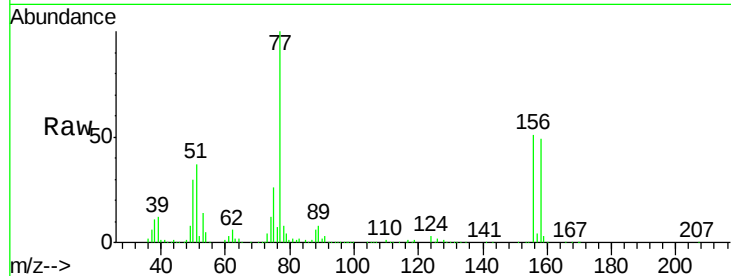
ClientSampleId :

VW0820SBS02

Tot Ion:	156	Resp:	59386
Ion Ratio	Lower	Upper	
156	100		
77	215.4	106.5	319.4
158	99.9	48.0	144.2

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#78

n-propylbenzene

Concen: 22.260 ug/l

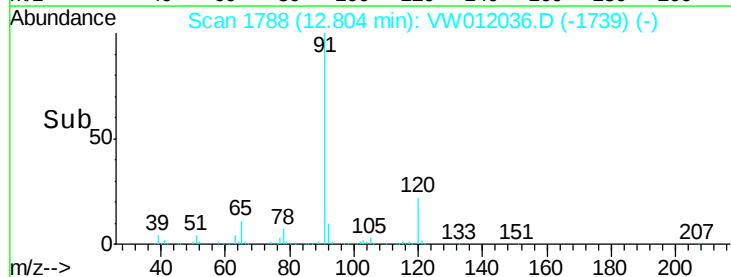
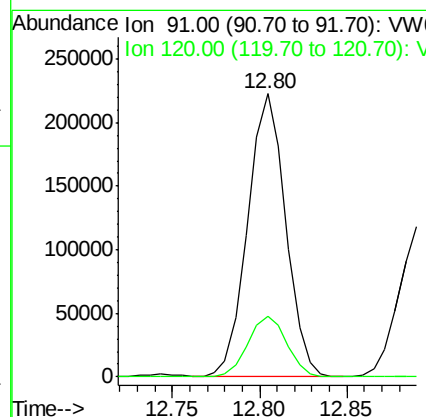
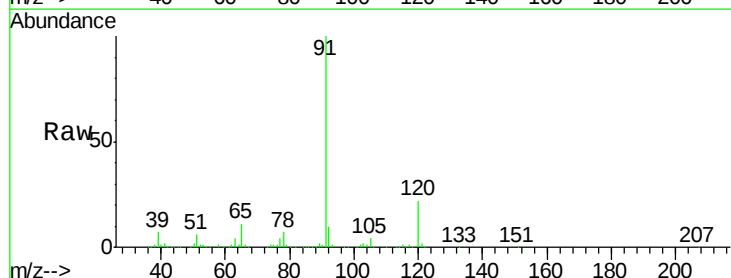
RT: 12.80 min Scan# 1788

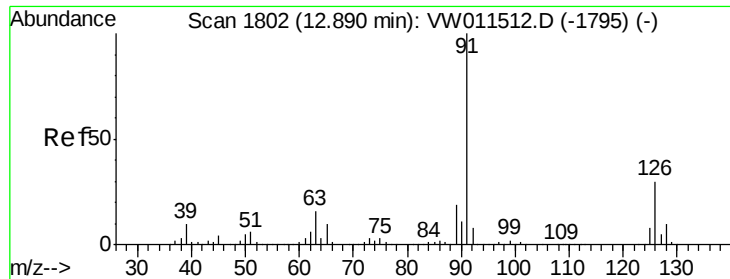
Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion:	91	Resp:	335419
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.9	32.7





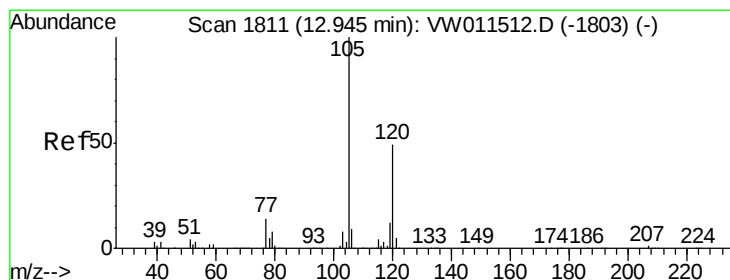
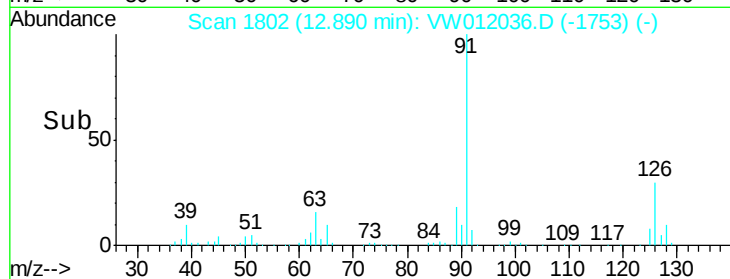
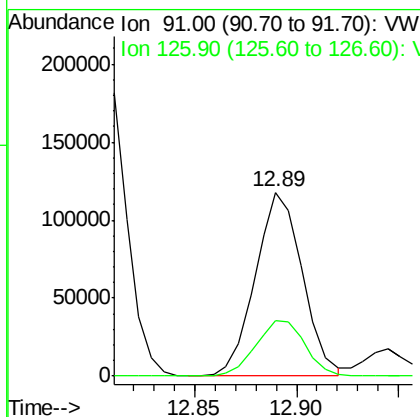
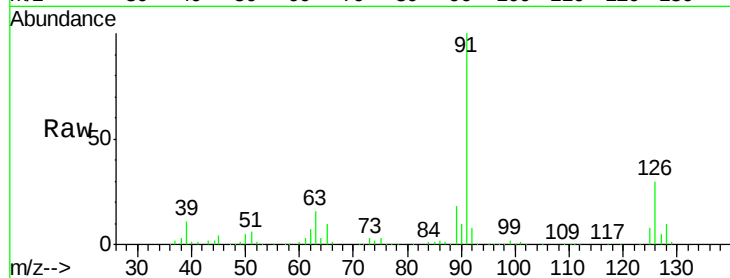
#79
 2-Chlorotoluene
 Concen: 21.730 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion: 91 Resp: 188628
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.7 47.1

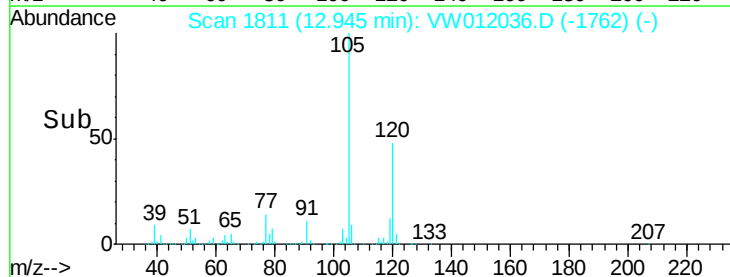
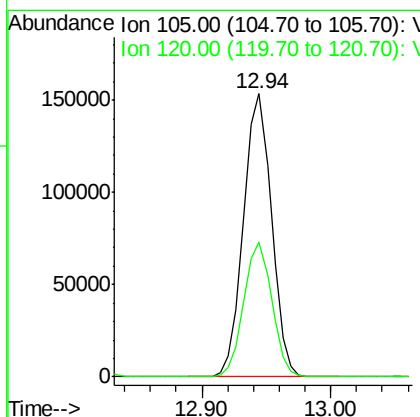
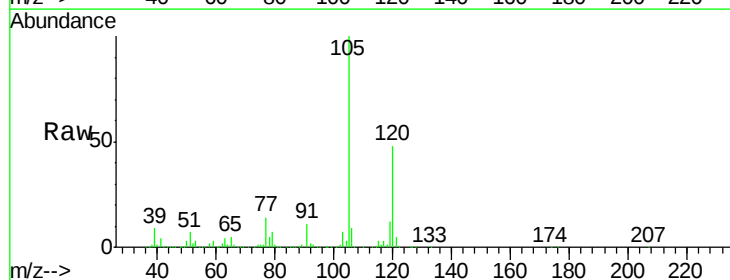
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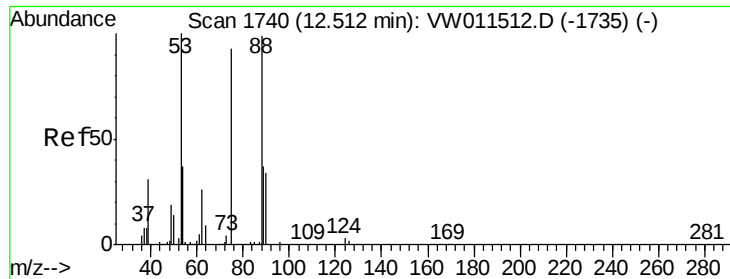
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.194 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Tgt Ion: 105 Resp: 230338
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.3





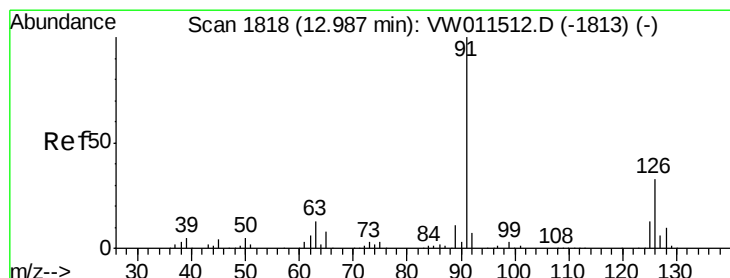
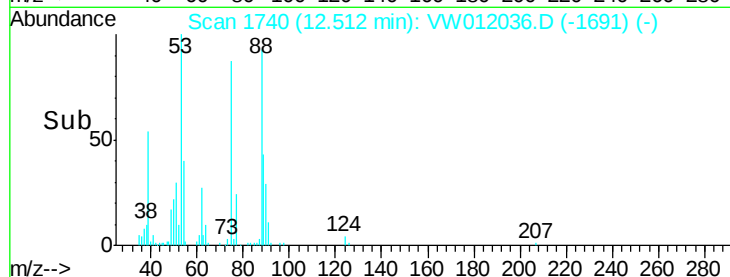
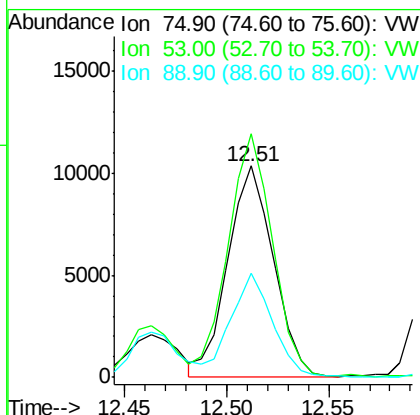
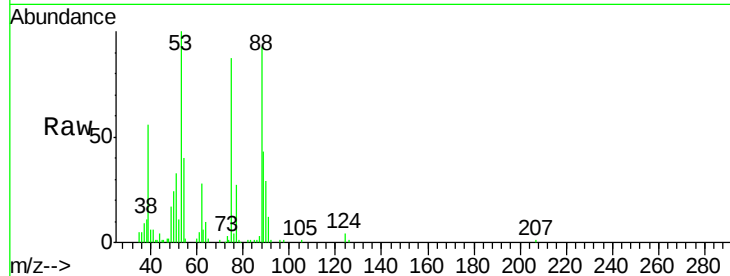
#81
trans-1,4-Dichloro-2-butene
Concen: 21.181 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.0	88.0	132.0
89	44.7	35.3	52.9

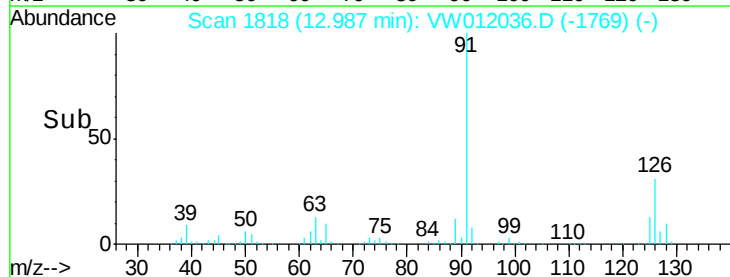
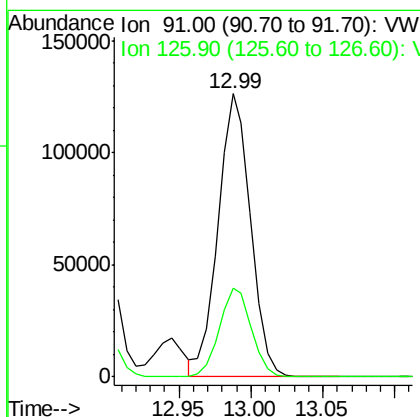
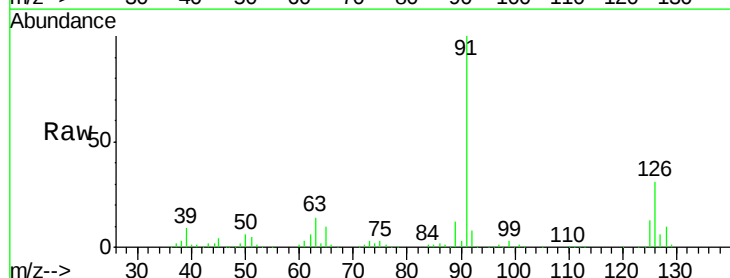
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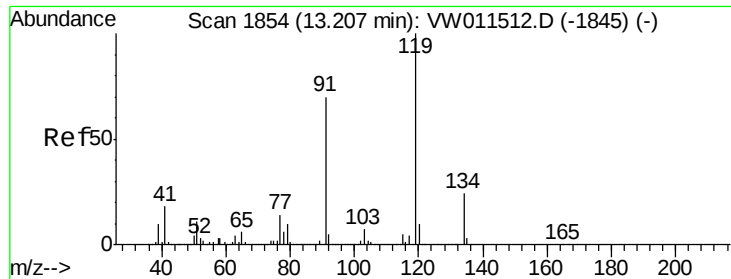
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#82
4-Chlorotoluene
Concen: 21.831 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





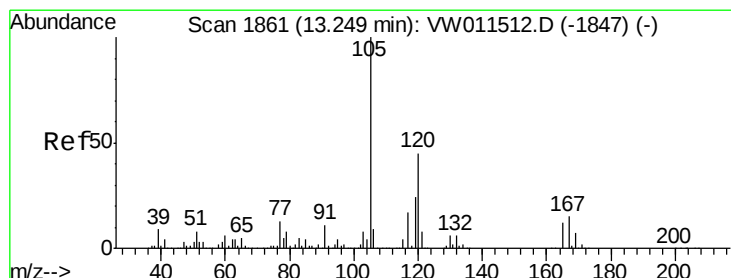
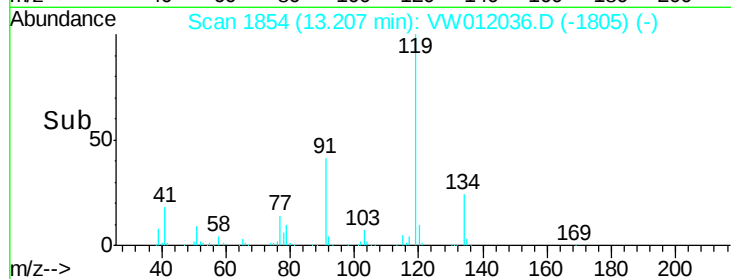
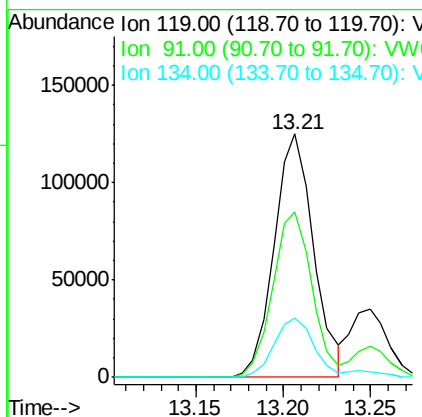
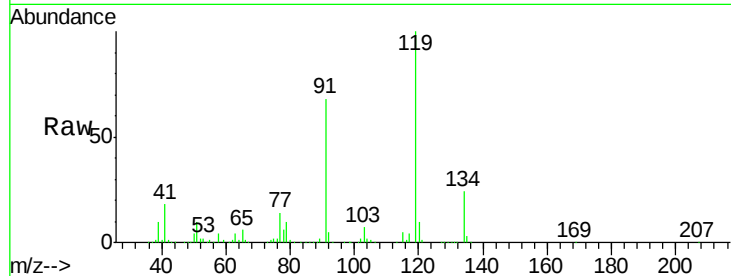
#83
tert-Butylbenzene
Concen: 22.709 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.5	103.6
134	24.9	12.4	37.4

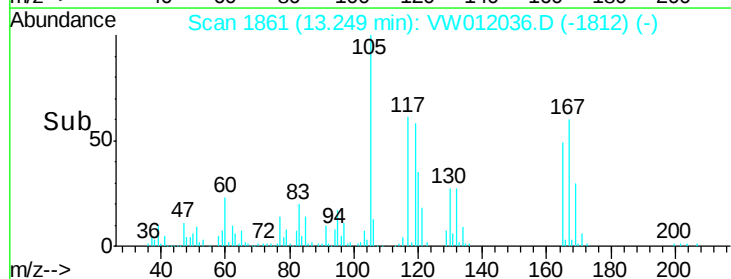
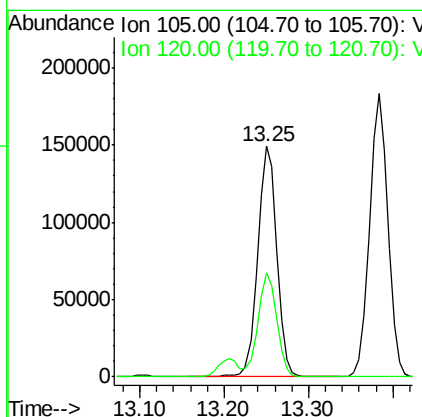
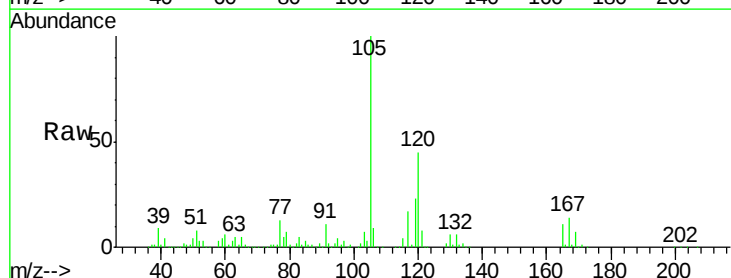
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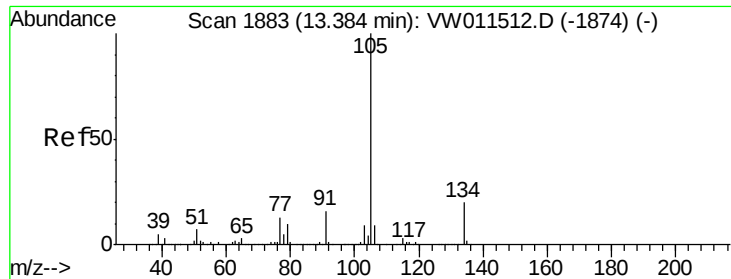
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#84
1,2,4-Trimethylbenzene
Concen: 22.282 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.5





#85

sec-Butylbenzene

Concen: 22.342 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion:105 Resp: 276677

Ion Ratio Lower Upper

105 100

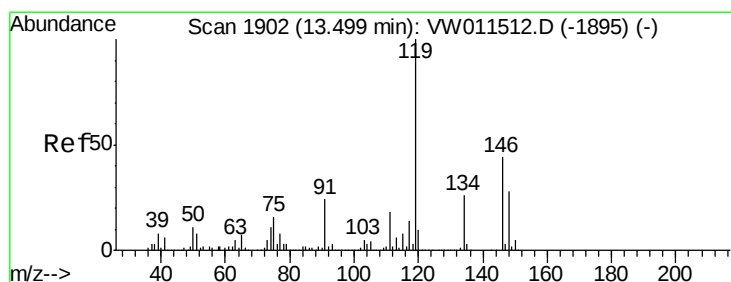
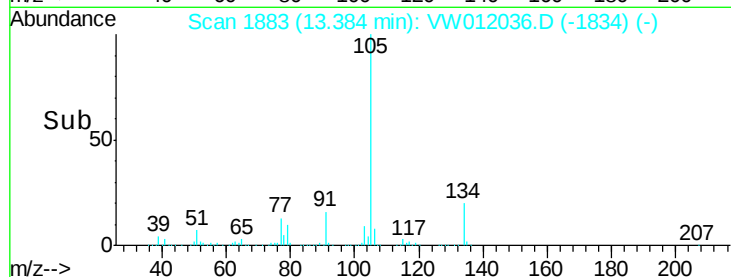
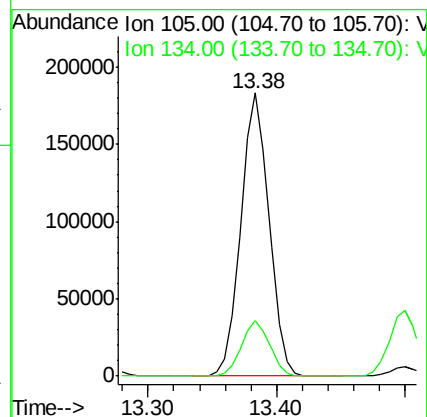
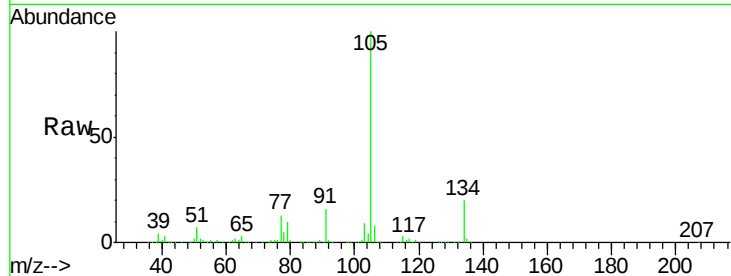
134 19.7 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 22.118 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

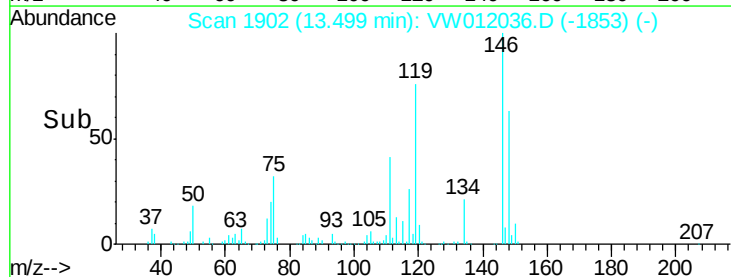
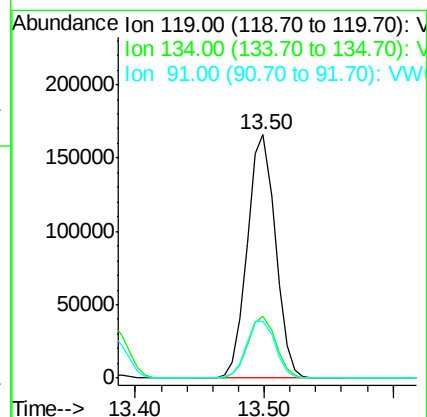
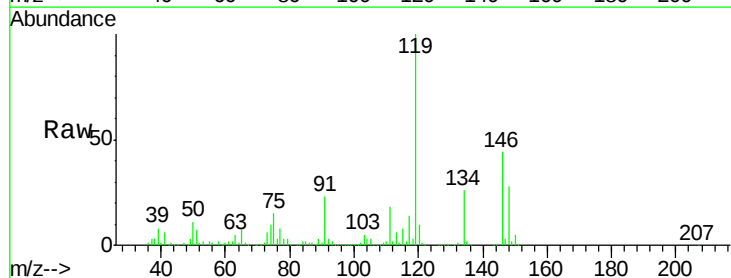
Tgt Ion:119 Resp: 248517

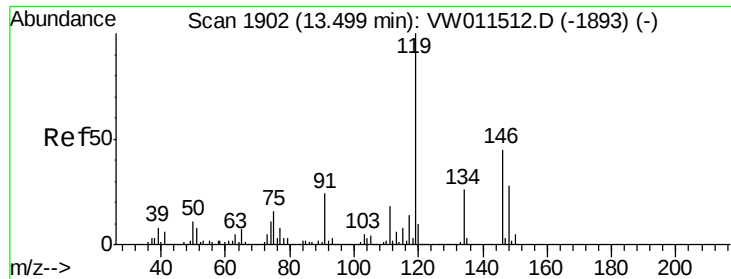
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.866 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

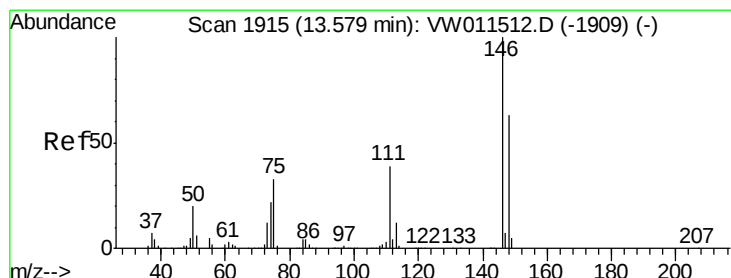
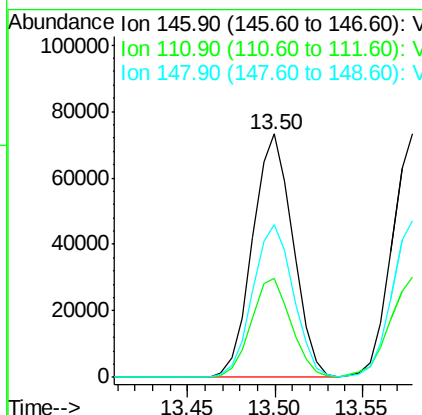
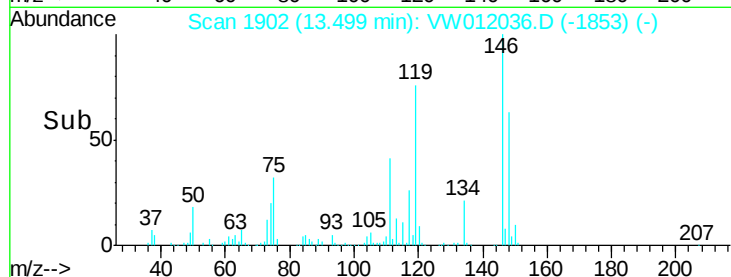
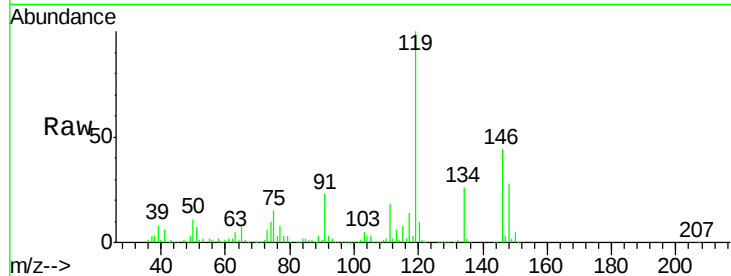
Instrument :
MSVOA_W

ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	117334		
111	40.6	20.5	61.6	
148	63.2	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 21.687 ug/l

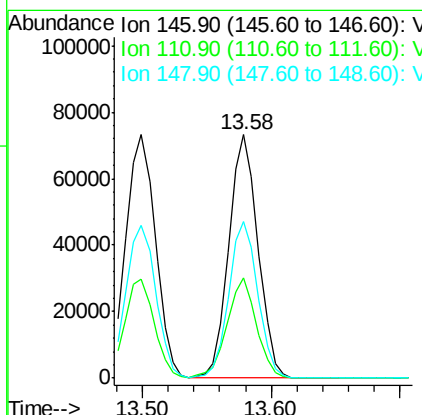
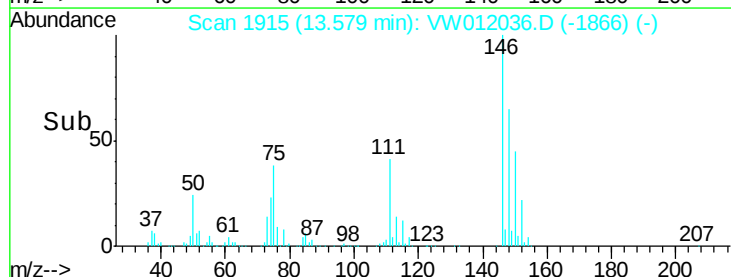
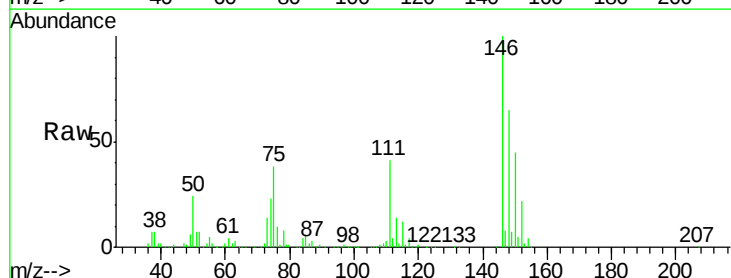
RT: 13.58 min Scan# 1915

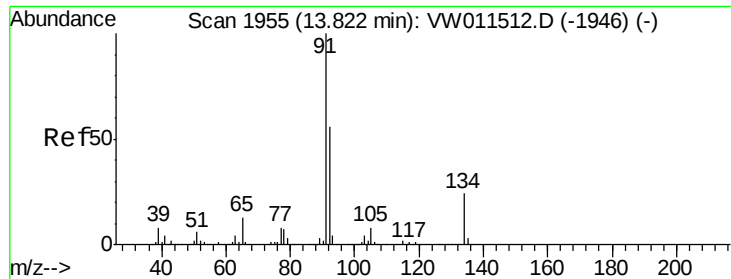
Delta R.T. 0.00 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115761		
111	41.6	20.1	60.2	
148	64.0	31.9	95.9	





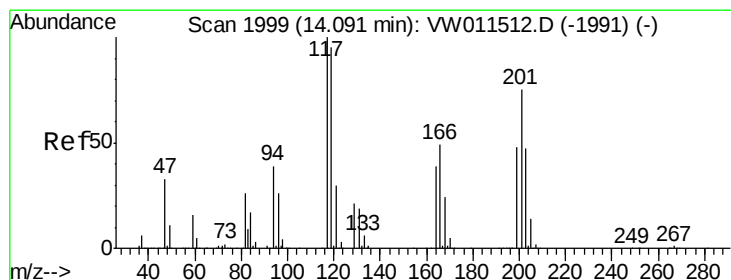
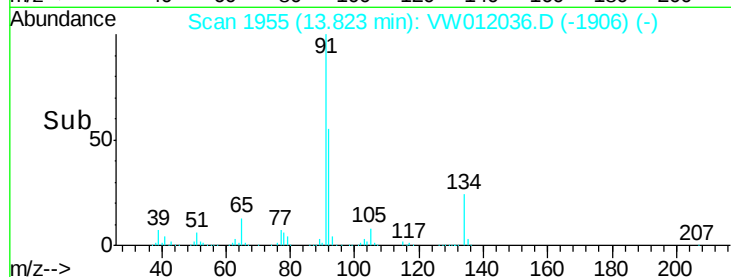
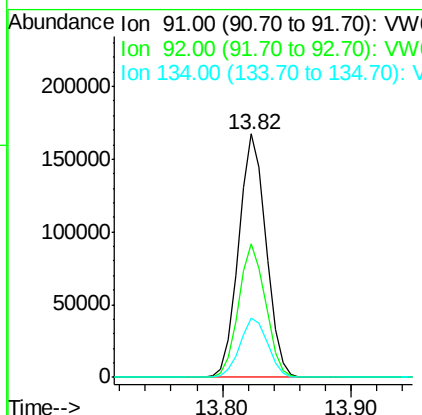
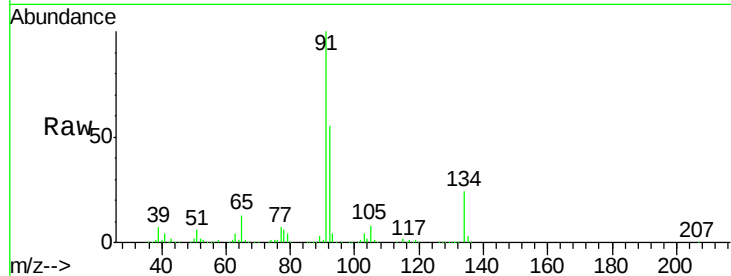
#89
n-Butylbenzene
Concen: 21.891 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	245462		
92	54.3	27.5	82.4	
134	24.6	12.2	36.6	

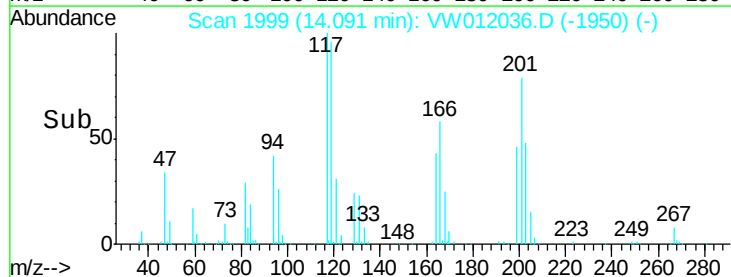
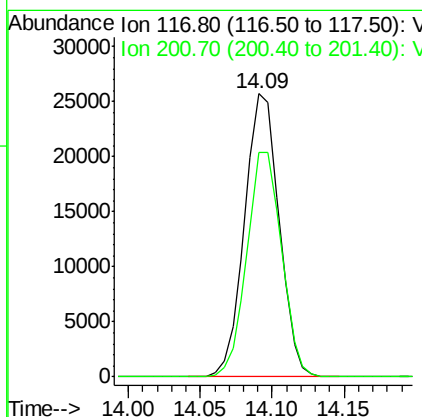
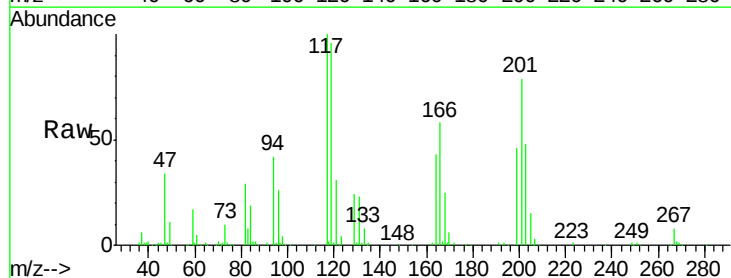
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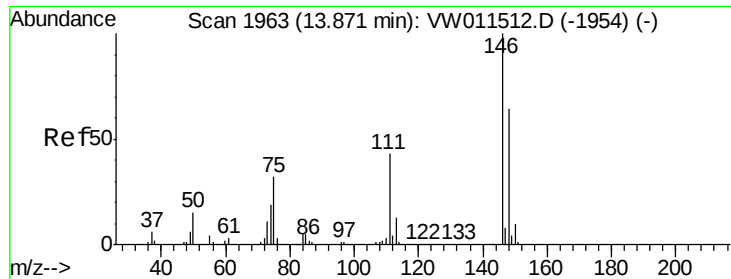
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#90
Hexachloroethane
Concen: 21.491 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012036.D
Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42699		
201	79.9	39.4	118.2	





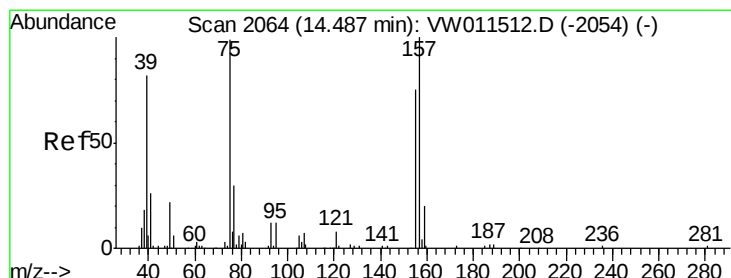
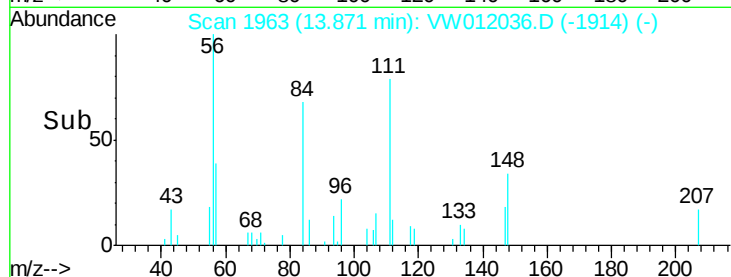
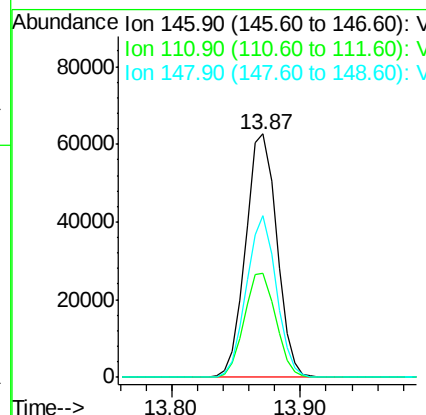
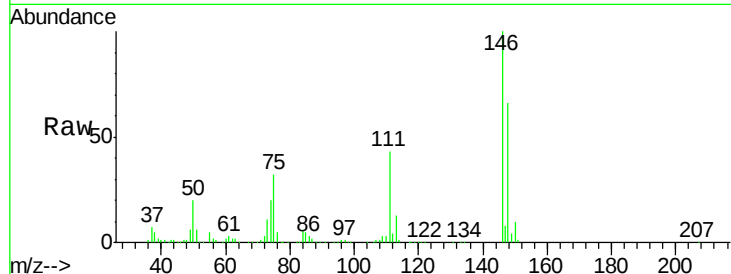
#91
 1,2-Dichlorobenzene
 Concen: 22.041 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	65.0
148	63.5	32.0	96.2

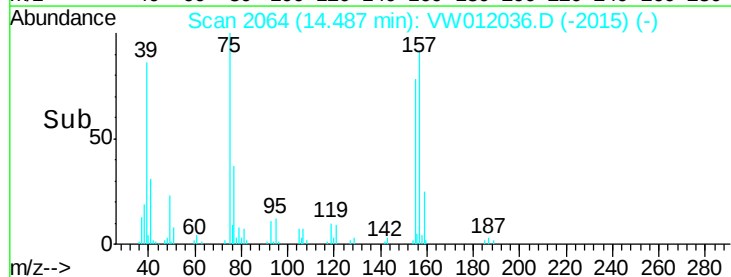
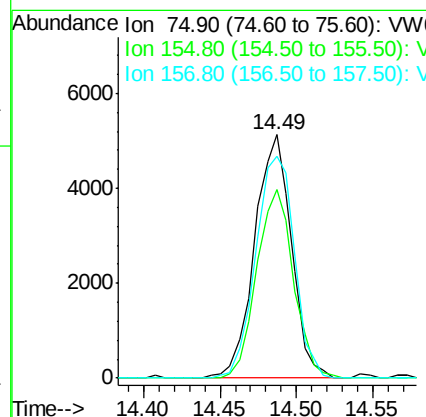
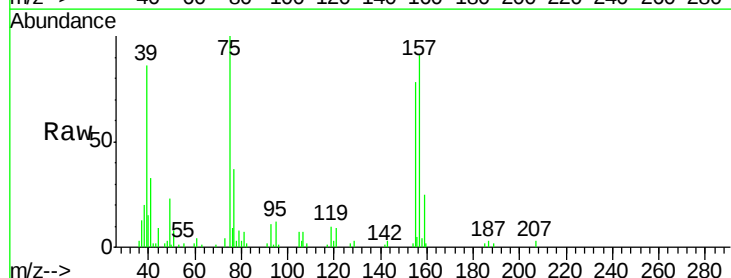
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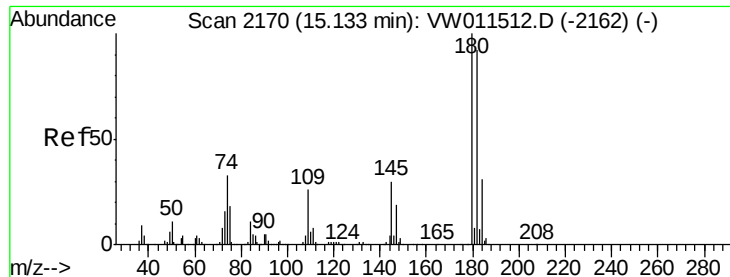
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.645 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.2	114.6
157	95.7	48.9	146.7





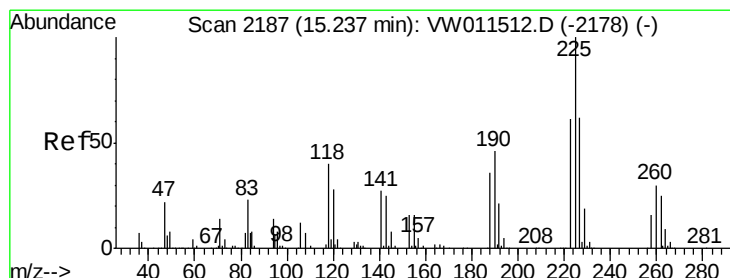
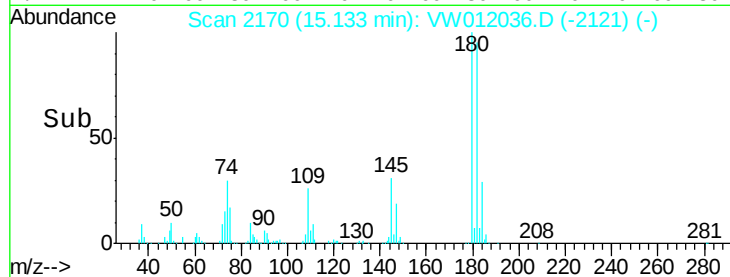
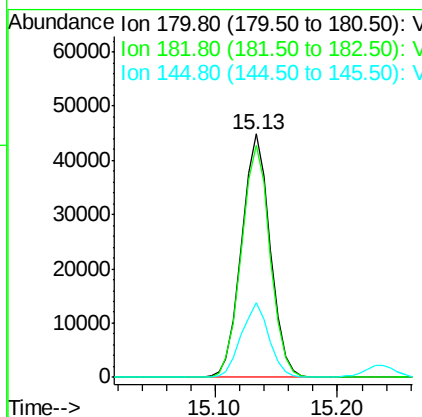
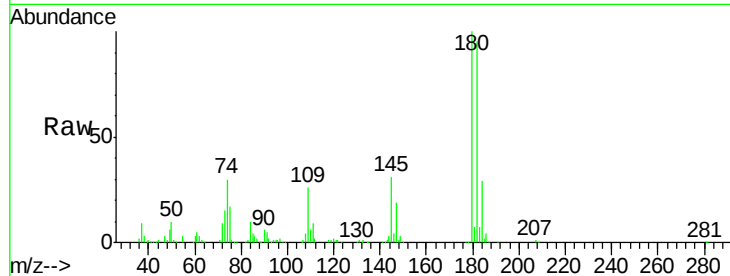
#93
 1,2,4-Trichlorobenzene
 Concen: 21.760 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72782		
182	95.4		47.4	142.2
145	29.7		15.4	46.1

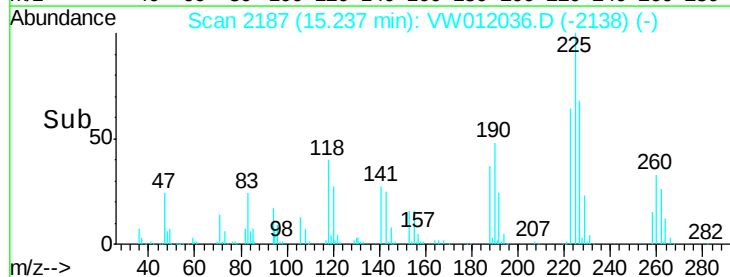
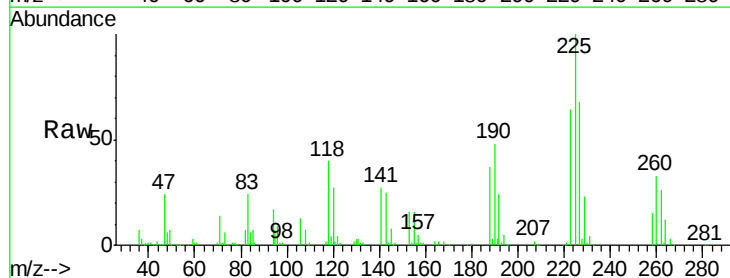
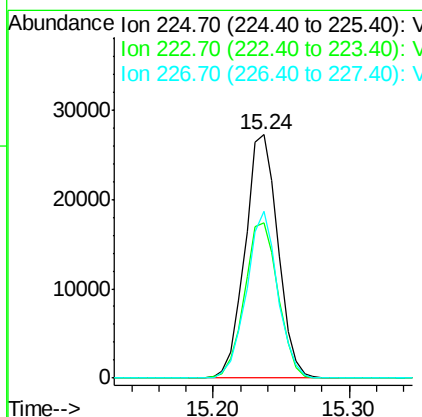
Manual Integrations
 APPROVED

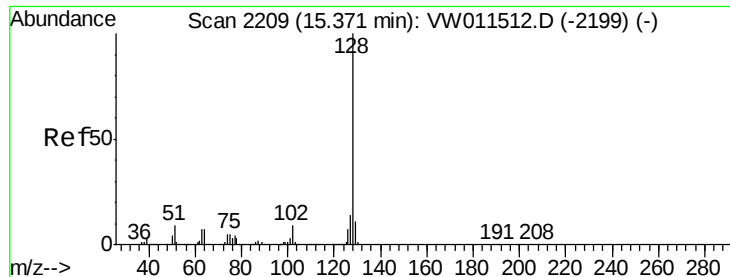
MMDadoda
 8/21/2019 8:29:57 AM



#94
 Hexachlorobutadiene
 Concen: 22.133 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012036.D
 Acq: 20 Aug 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46166		
223	65.0		30.8	92.3
227	64.7		31.6	94.7





#95

Naphthalene

Concen: 21.614 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Instrument :

MSVOA_W

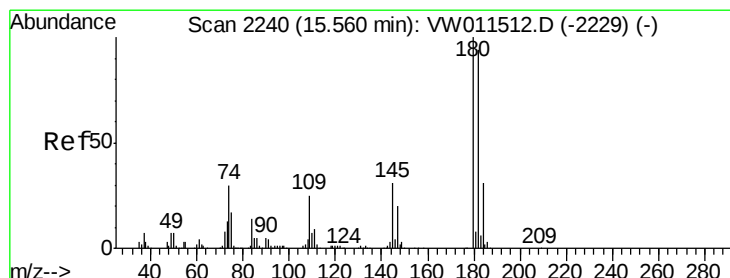
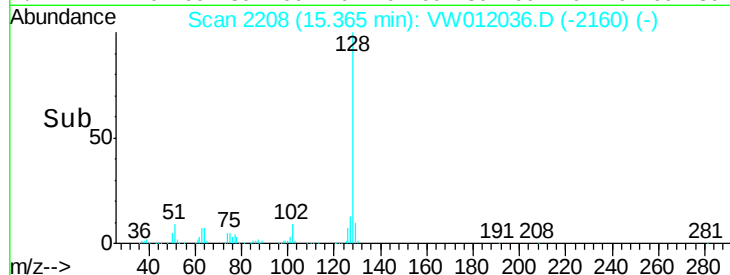
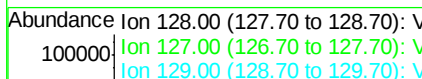
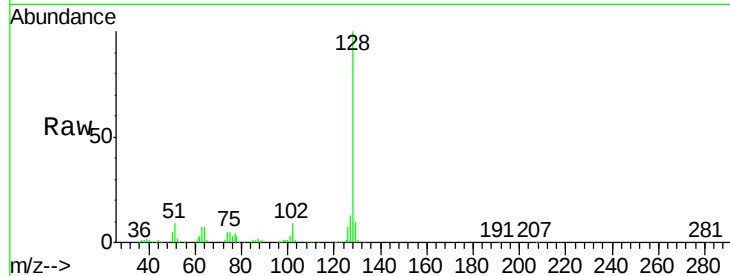
ClientSampleId :

VW0820SBS02

Tot Ion:	128	Resp:	133595
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:29:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.138 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012036.D

Acq: 20 Aug 2019 18:19

Tgt Ion:	180	Resp:	64906
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.4	142.2
145	32.2	15.9	47.7

