

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012246.D
 Acq On : 28 Aug 2019 11:48
 Operator : SY/VA
 Sample : VW0828SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:42:01 AM

Quant Time: Aug 28 17:37:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147585	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.88	113	116460	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	10.32	98	486101	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.62	95	171516	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25040	16.265	ug/l	99
3) Chloromethane	2.21	50	44462	18.642	ug/l	98
4) Vinyl Chloride	2.35	62	54011	18.502	ug/l	96
5) Bromomethane	2.77	94	27469	18.580	ug/l	93
6) Chloroethane	2.92	64	30000	18.217	ug/l	96
7) Trichlorofluoromethane	3.25	101	29181	19.907	ug/l	99
8) Diethyl Ether	3.68	74	27440	19.722	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48519	19.473	ug/l	99
10) Methyl Iodide	4.27	142	63510	18.839	ug/l	99
11) Tert butyl alcohol	5.16	59	23976	134.049	ug/l	98
12) 1,1-Dichloroethene	4.04	96	47299	18.861	ug/l	97
13) Acrolein	3.89	56	16675	99.041	ug/l	96
14) Allyl chloride	4.67	41	105383	19.656	ug/l	98
15) Acrylonitrile	5.37	53	74881	108.580	ug/l	99
16) Acetone	4.12	43	78429	103.232	ug/l	96
17) Carbon Disulfide	4.38	76	124373	16.410	ug/l	98
18) Methyl Acetate	4.67	43	42111	22.379	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	87454	21.564	ug/l	97
20) Methylene Chloride	4.92	84	57771	20.115	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	50868	18.915	ug/l	97
22) Diisopropyl ether	6.31	45	200731	20.199	ug/l	96
23) Vinyl Acetate	6.25	43	624963	102.188	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106501	19.683	ug/l	99
25) 2-Butanone	7.17	43	111223	107.733	ug/l	100
26) 2,2-Dichloropropane	7.17	77	65155	21.274	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57187	19.903	ug/l	99
28) Bromochloromethane	7.51	49	49216	20.869	ug/l	99
29) Tetrahydrofuran	7.52	42	69308	111.897	ug/l	99
30) Chloroform	7.68	83	97250	19.645	ug/l	100
31) Cyclohexane	7.95	56	98126	18.330	ug/l	# 96
32) 1,1,1-Trichloroethane	7.87	97	77123	19.693	ug/l	100
36) 1,1-Dichloropropene	8.08	75	80749	19.727	ug/l	100
37) Ethyl Acetate	7.25	43	48125	21.455	ug/l	100
38) Carbon Tetrachloride	8.07	117	68044	19.206	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	88520	19.250	ug/l	99
40) Benzene	8.32	78	217670	19.475	ug/l	99
41) Methacrylonitrile	7.48	41	25775	19.551	ug/l	93
42) 1,2-Dichloroethane	8.40	62	69142	19.738	ug/l	98
43) Isopropyl Acetate	8.42	43	88401	21.277	ug/l	100
44) Trichloroethene	9.09	130	54151	19.930	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60430	20.089	ug/l	96
46) Dibromomethane	9.46	93	27325	20.417	ug/l	98
47) Bromodichloromethane	9.65	83	70560	19.809	ug/l	99
48) Methyl methacrylate	9.43	41	42310	21.396	ug/l	98
49) 1,4-Dioxane	9.44	88	9906	483.480	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	235690	111.528	ug/l	100
52) Toluene	10.38	92	133956	19.950	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74295	20.476	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86787	19.810	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38884	20.534	ug/l	99
56) Ethyl methacrylate	10.65	69	59422	21.561	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74776	20.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	153255	108.350	ug/l	99
59) 2-Hexanone	10.97	43	166022	111.031	ug/l	100
60) Dibromochloromethane	11.13	129	41850	19.842	ug/l	98
61) 1,2-Dibromoethane	11.23	107	37403	21.202	ug/l	99
64) Tetrachloroethene	10.86	164	44597	20.323	ug/l	97
65) Chlorobenzene	11.66	112	136265	20.446	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46650	20.064	ug/l	98
67) Ethyl Benzene	11.73	91	262665	20.459	ug/l	100
68) m/p-Xylenes	11.84	106	188280	40.714	ug/l	100
69) o-Xylene	12.16	106	88288	20.627	ug/l	100
70) Styrene	12.18	104	152258	20.552	ug/l	99
71) Bromoform	12.35	173	24057	20.768	ug/l #	100
73) Isopropylbenzene	12.46	105	256071	20.494	ug/l	99
74) N-amyl acetate	12.27	43	84122	22.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48242	21.060	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	39215m	24.147	ug/l	
77) Bromobenzene	12.74	156	54655	20.219	ug/l	99
78) n-propylbenzene	12.80	91	310511	20.356	ug/l	99
79) 2-Chlorotoluene	12.89	91	174101	20.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213998	20.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15250	20.588	ug/l	98
82) 4-Chlorotoluene	12.99	91	181727	20.041	ug/l	100
83) tert-Butylbenzene	13.21	119	185522	20.977	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	211218	20.139	ug/l	99
85) sec-Butylbenzene	13.38	105	264009	20.836	ug/l	100
86) p-Isopropyltoluene	13.50	119	235561	20.817	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107647	20.360	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107638	20.503	ug/l	98
89) n-Butylbenzene	13.82	91	237330	21.091	ug/l	99
90) Hexachloroethane	14.09	117	39416	19.854	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	97512	21.023	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8435	21.843	ug/l	97

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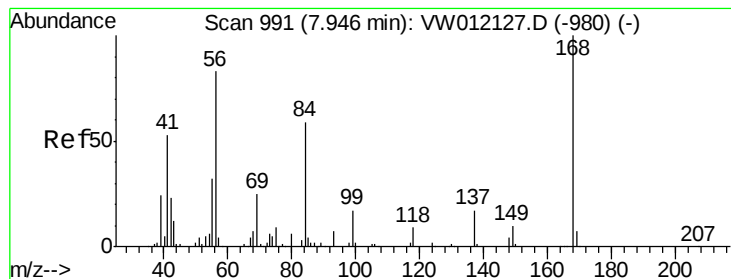
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	71410	22.278	ug/l	99
94) Hexachlorobutadiene	15.24	225	45556	21.524	ug/l	98
95) Naphthalene	15.36	128	135648	24.024	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	62679	22.413	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: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion:168 Resp: 250019

Ion Ratio Lower Upper

168 100

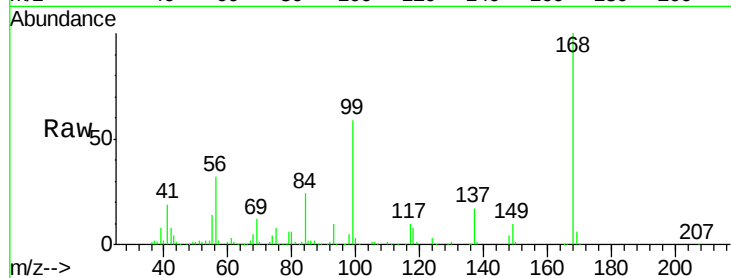
99 59.2 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

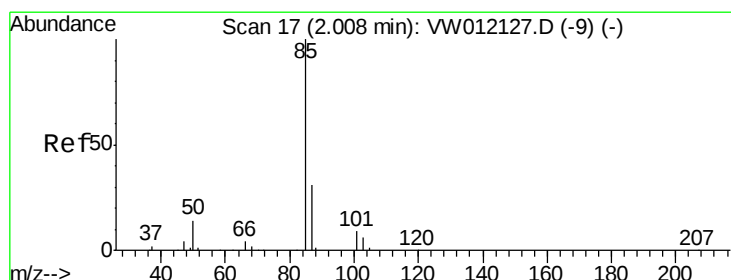
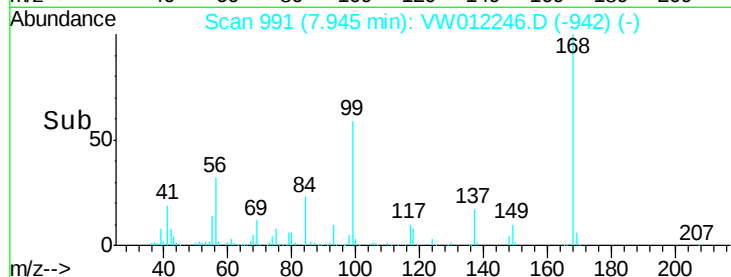
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.265 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012246.D

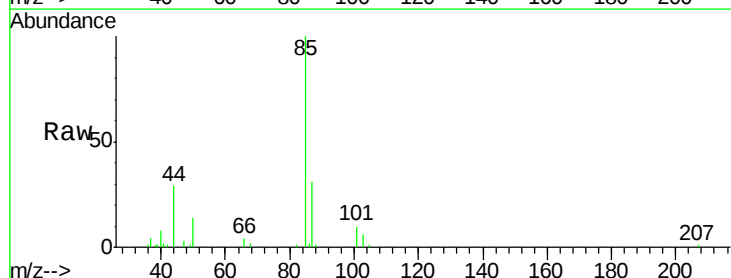
Acq: 28 Aug 2019 11:48

Tgt Ion: 85 Resp: 25040

Ion Ratio Lower Upper

85 100

87 30.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

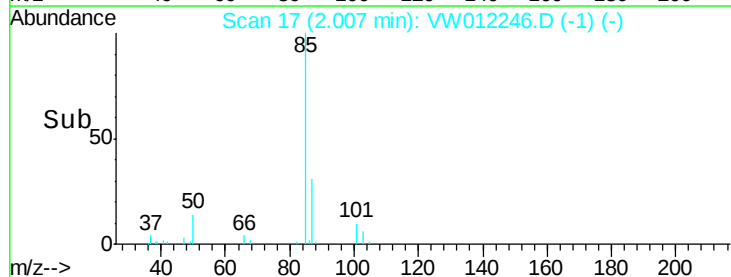
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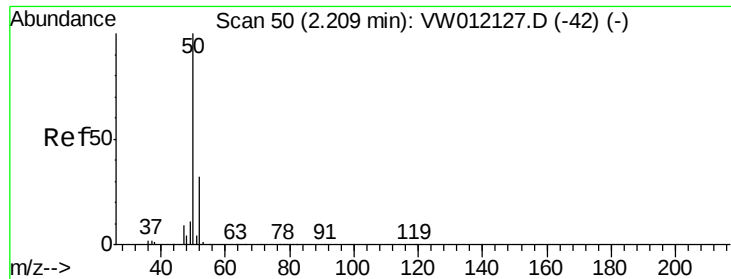
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.642 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 50 Resp: 44462

Ion Ratio Lower Upper

50 100

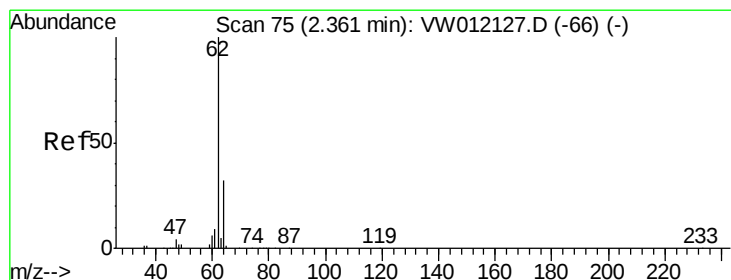
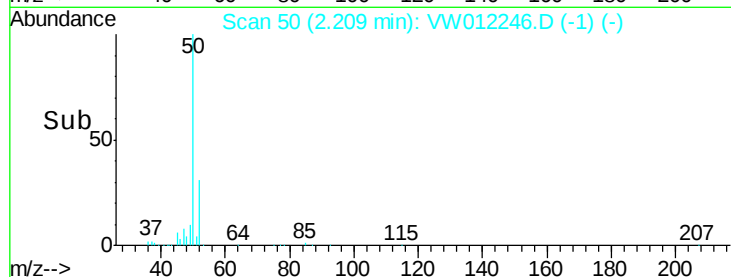
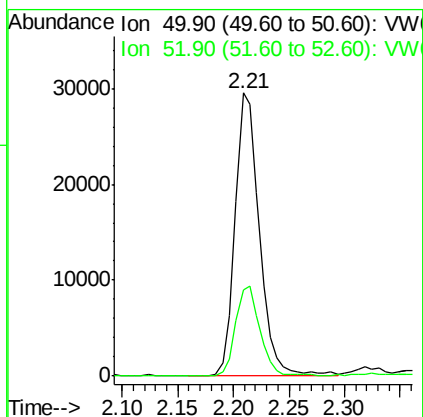
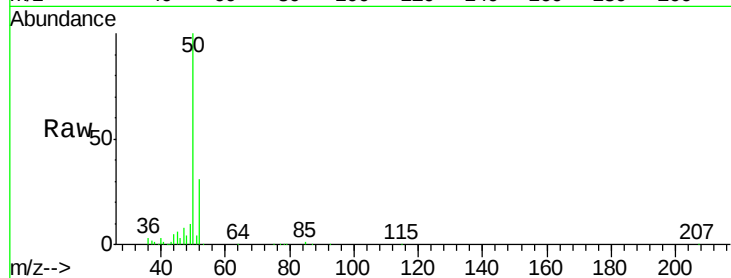
52 30.6 25.5 38.3

Manual Integrations

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8/29/2019 9:42:01 AM



#4

Vinyl Chloride

Concen: 18.502 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012246.D

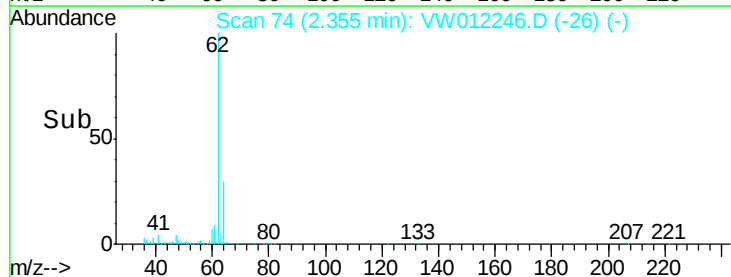
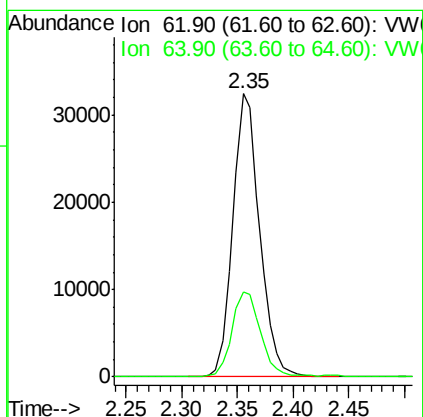
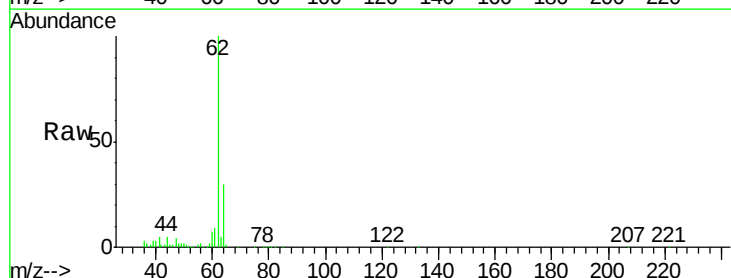
Acq: 28 Aug 2019 11:48

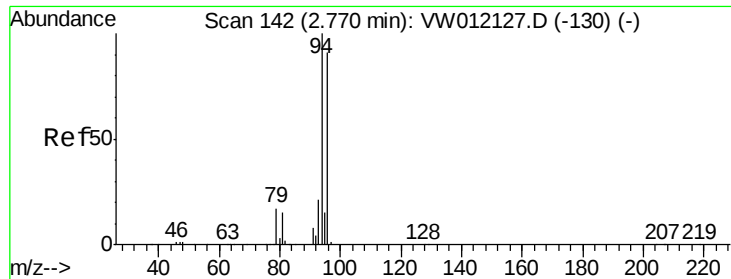
Tgt Ion: 62 Resp: 54011

Ion Ratio Lower Upper

62 100

64 29.4 25.3 37.9





#5

Bromomethane

Concen: 18.580 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD01

Tot Ion: 94 Resp: 27469

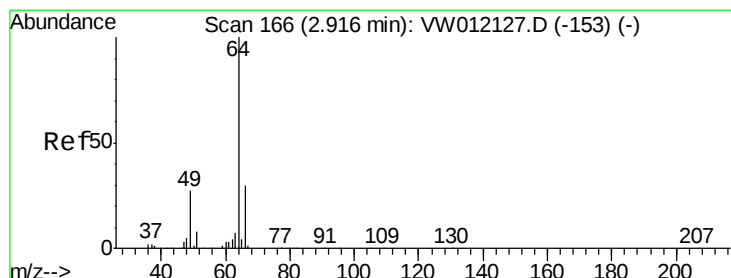
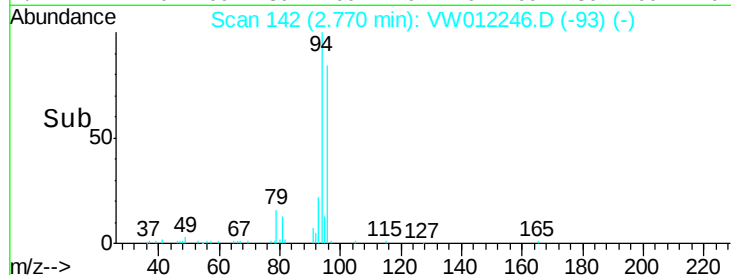
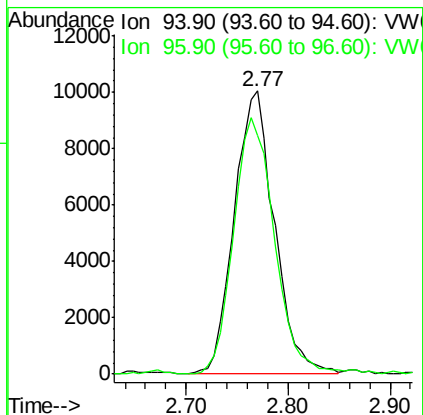
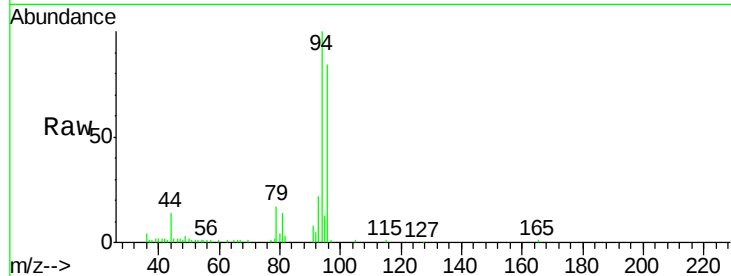
Ion Ratio Lower Upper

94 100

96 84.2 72.9 109.3

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#6

Chloroethane

Concen: 18.217 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012246.D

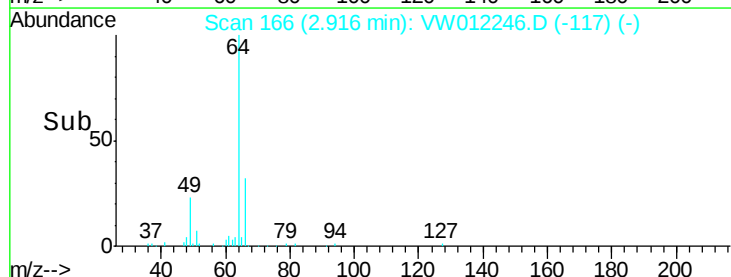
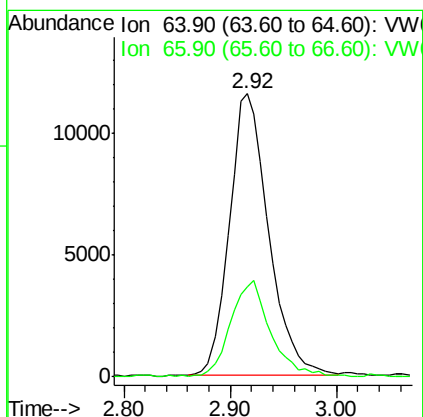
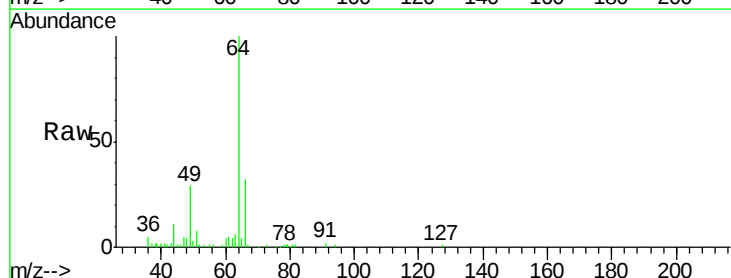
Acq: 28 Aug 2019 11:48

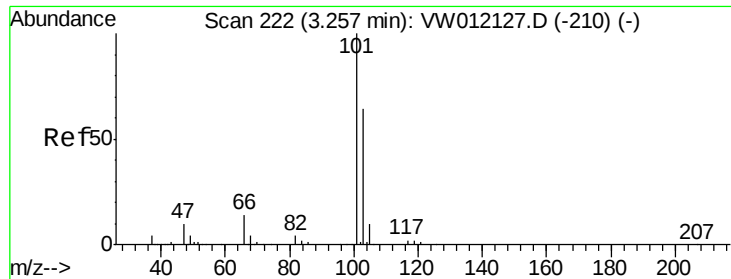
Tgt Ion: 64 Resp: 30000

Ion Ratio Lower Upper

64 100

66 31.8 23.8 35.8





#7

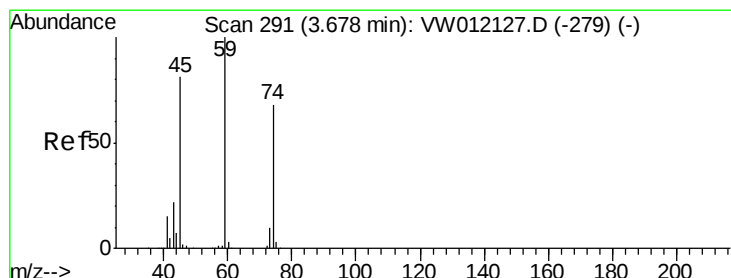
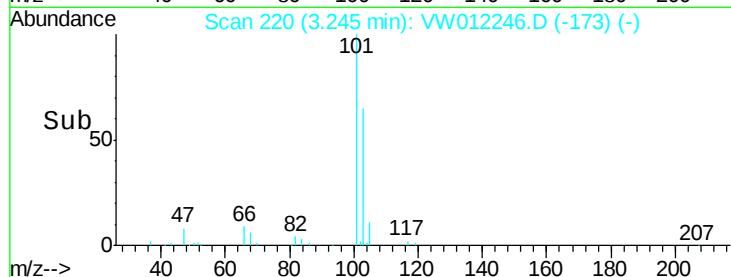
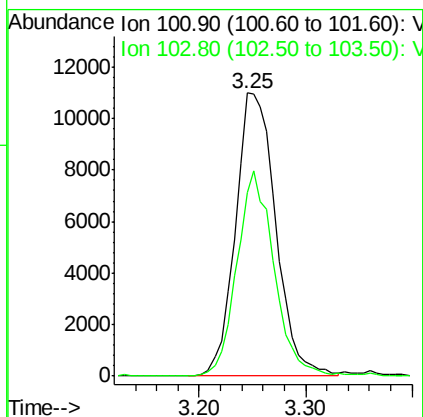
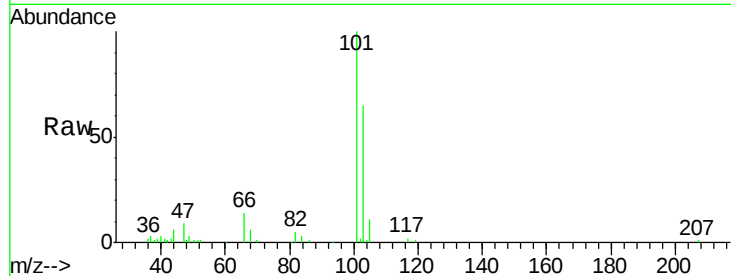
Trichlorofluoromethane
 Concen: 19.907 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012246.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	29181		
103	64.9	51.2	76.8	

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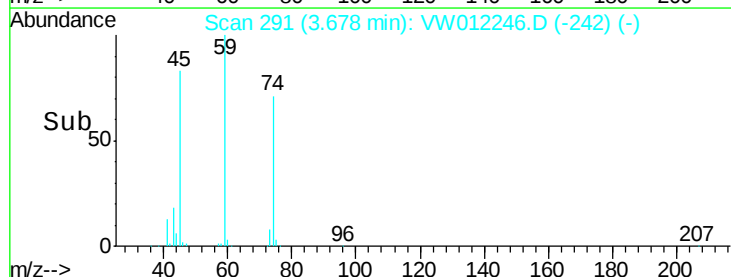
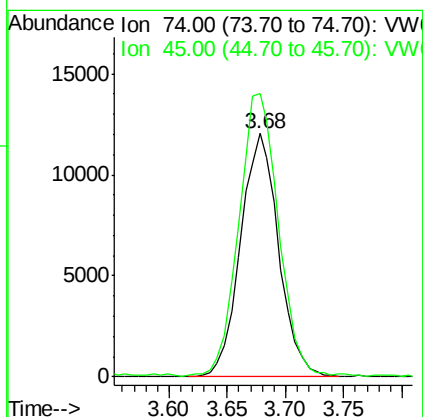
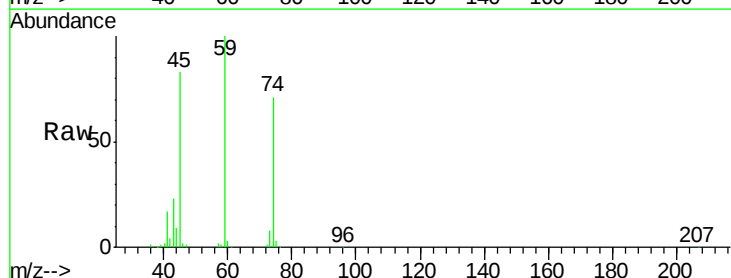
MMDadoda
 8/29/2019 9:42:01 AM

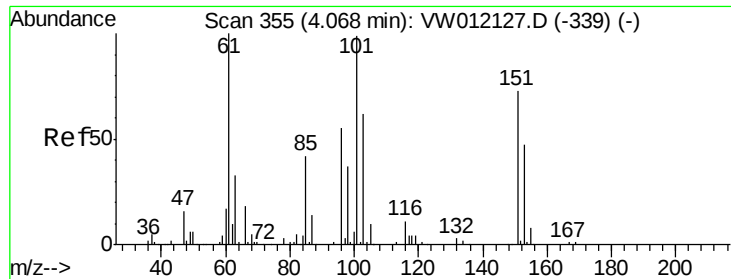


#8

Diethyl Ether
 Concen: 19.722 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27440		
45	120.4	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.473 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

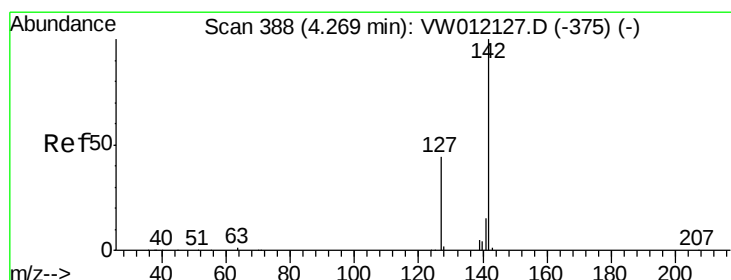
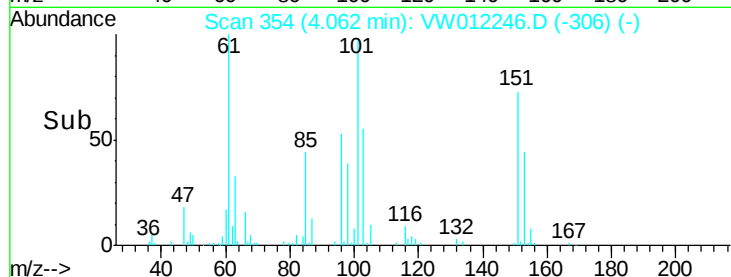
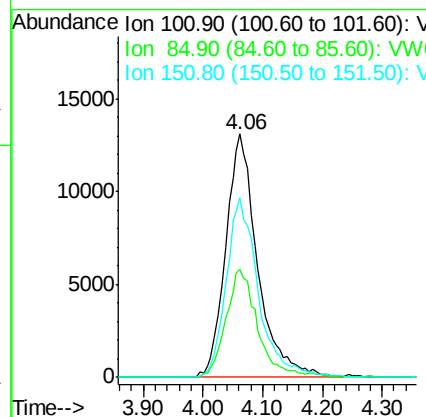
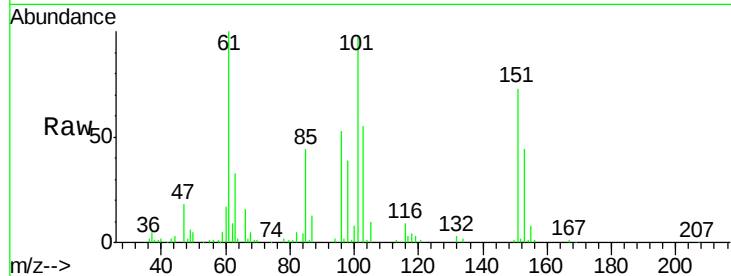
ClientSampleId :

VW0828SBS01

Tot Ion:	101	Resp:	48519
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.8	53.6
151	74.2	58.6	87.8

Manual Integrations
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MMDadoda
8/29/2019 9:42:01 AM



#10

Methyl Iodide

Concen: 18.839 ug/l

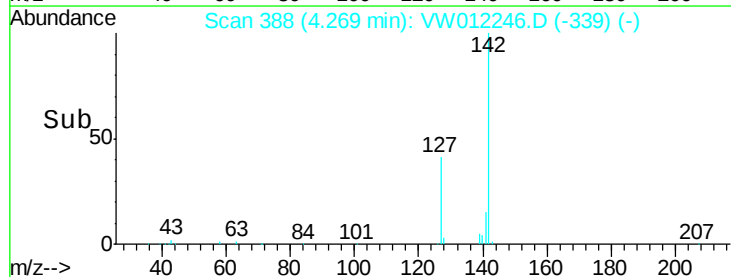
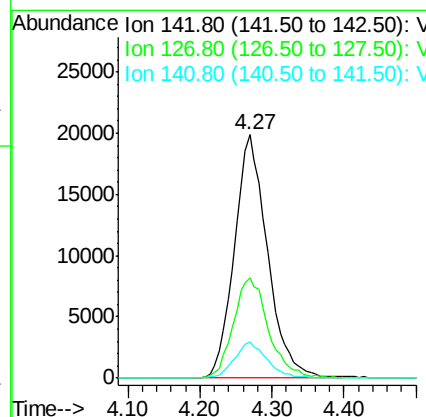
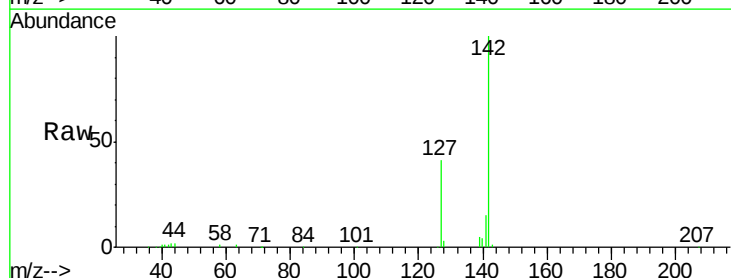
RT: 4.27 min Scan# 388

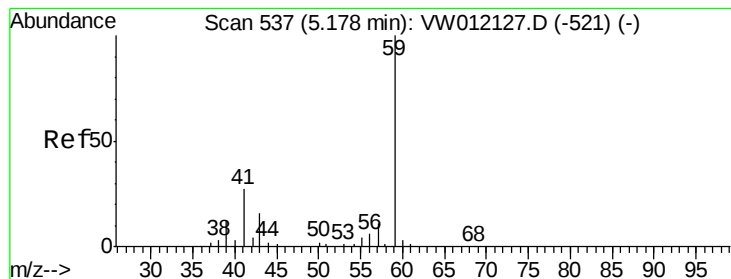
Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Tgt Ion:	142	Resp:	63510
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.5	53.3
141	14.7	11.8	17.8





#11

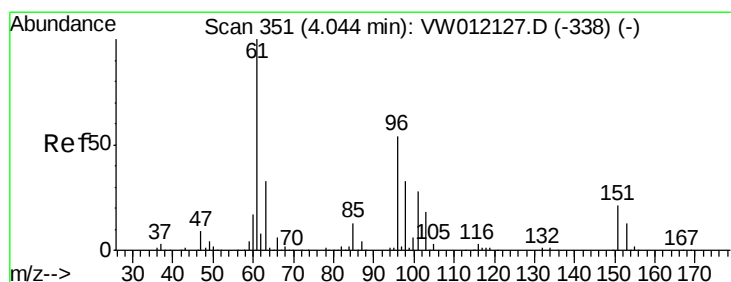
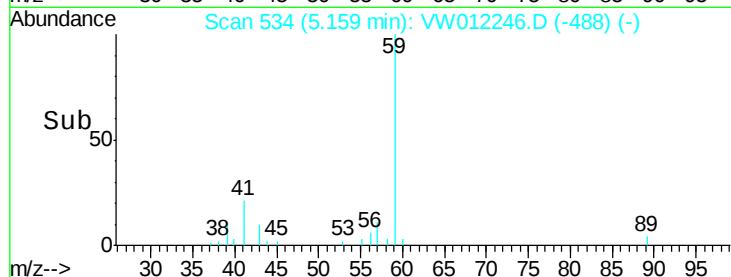
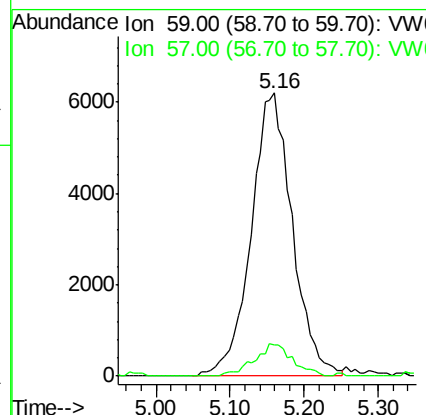
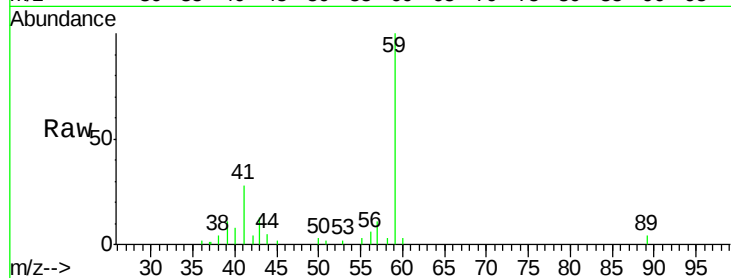
Tert butyl alcohol
 Concen: 134.049 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.4

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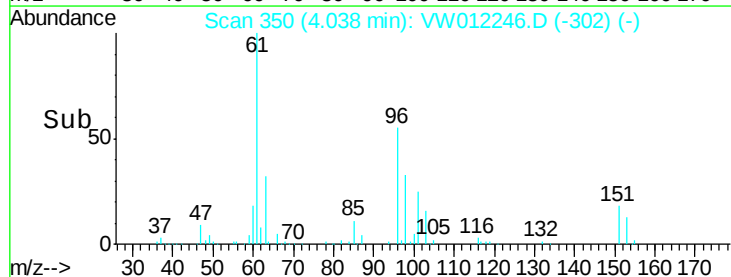
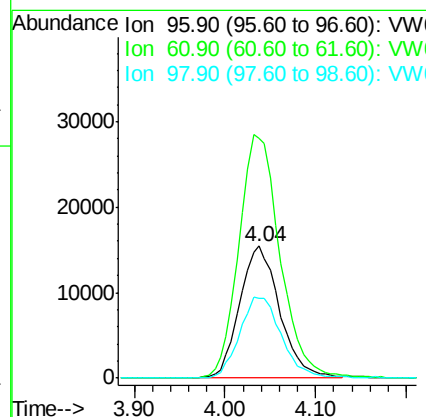
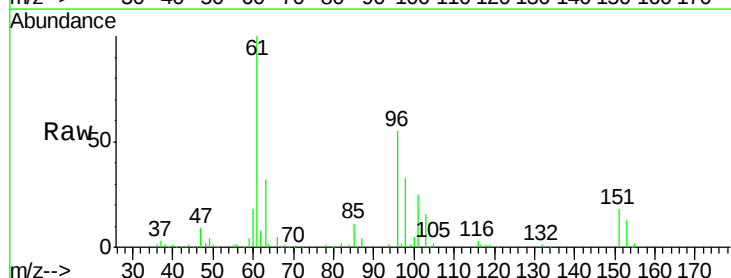
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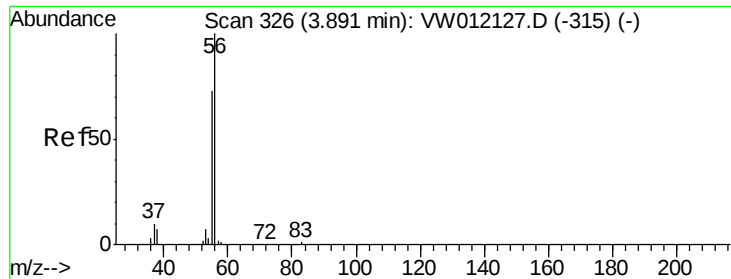


#12

1,1-Dichloroethene
 Concen: 18.861 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.2	149.1	223.7
98	60.1	49.4	74.2





#13

Acrolein

Concen: 99.041 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBSD01

Tot Ion: 56 Resp: 16675

Ion Ratio Lower Upper

56 100

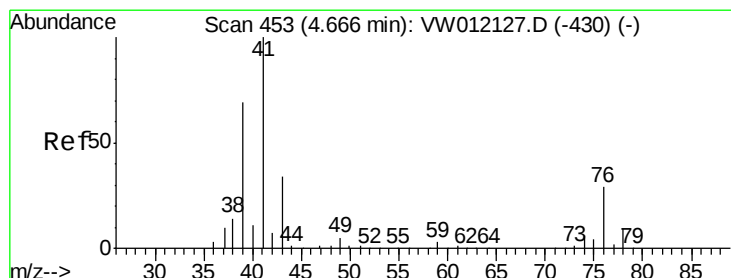
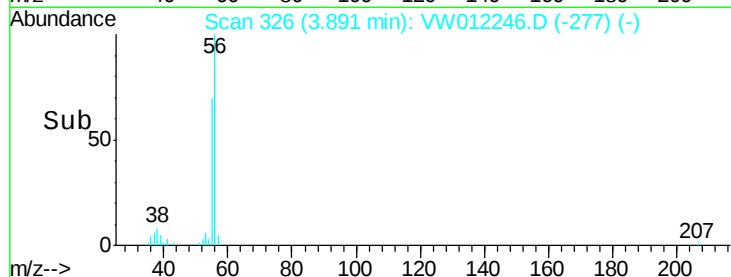
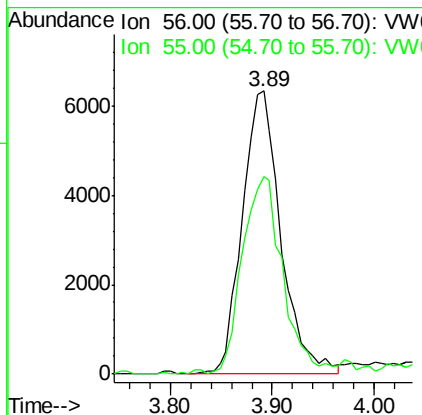
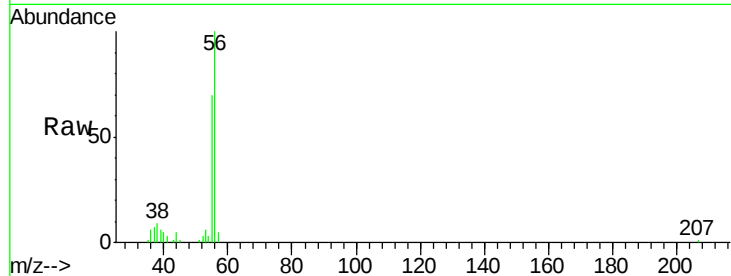
55 72.8 55.8 83.8

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#14

Allyl chloride

Concen: 19.656 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

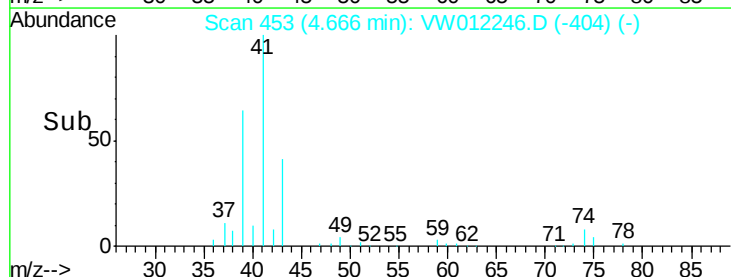
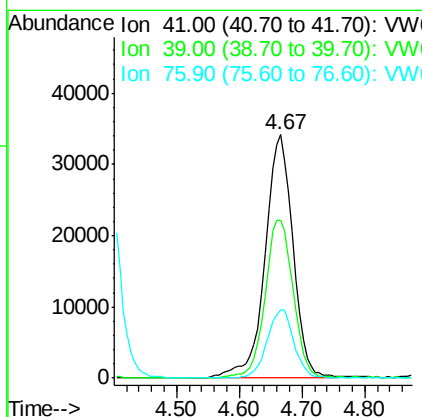
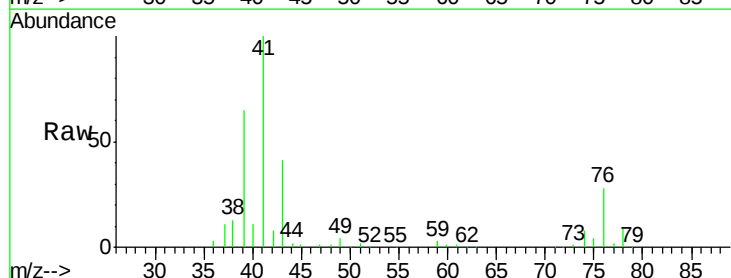
Tgt Ion: 41 Resp: 105383

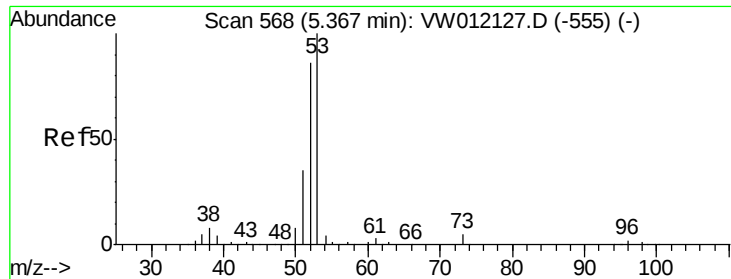
Ion Ratio Lower Upper

41 100

39 65.4 53.4 80.2

76 26.8 22.1 33.1





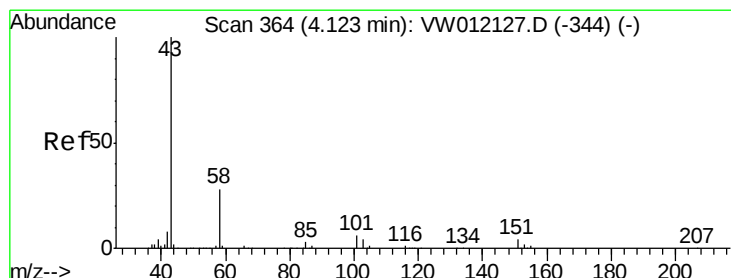
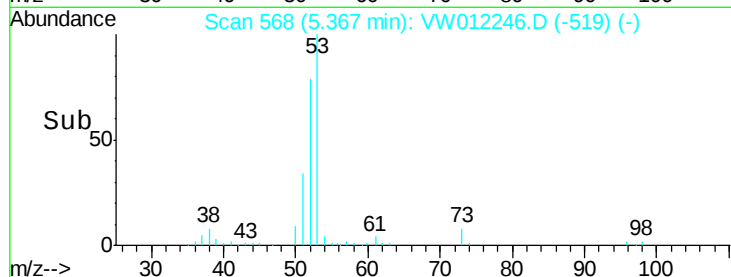
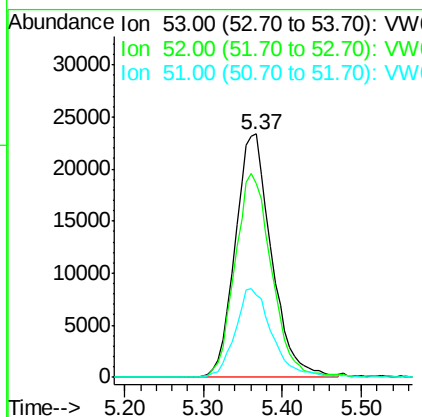
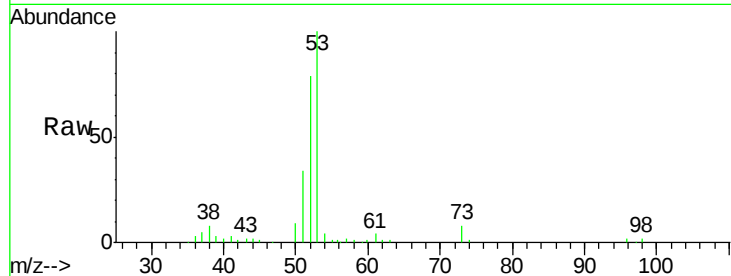
#15
 Acrylonitrile
 Concen: 108.580 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	84.5	66.7	100.1	
51	37.2	30.1	45.1	

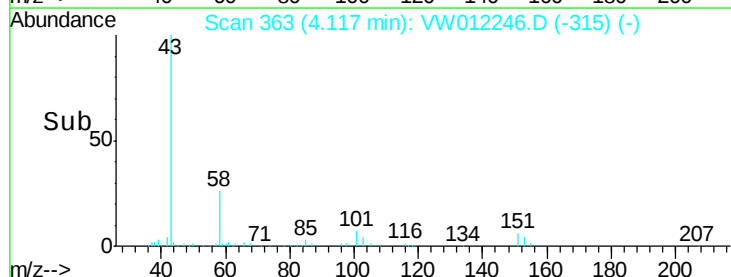
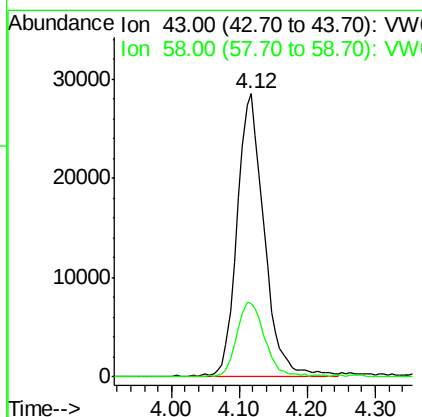
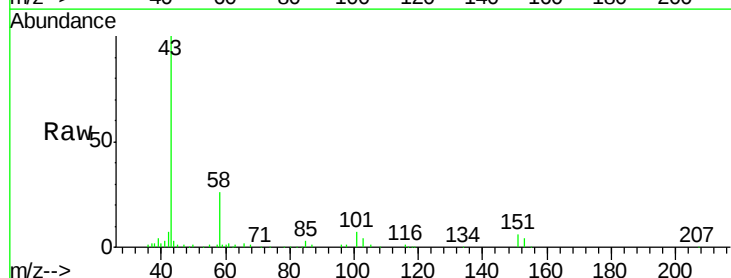
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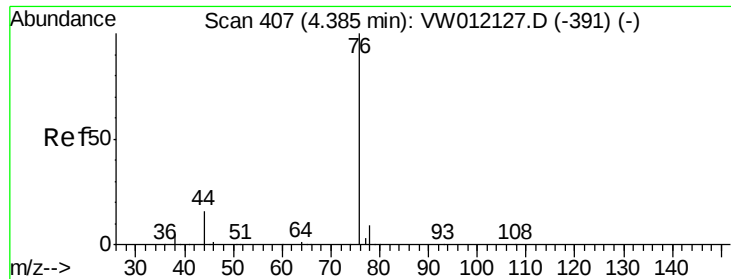
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#16
 Acetone
 Concen: 103.232 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	25.9	22.4	33.6	





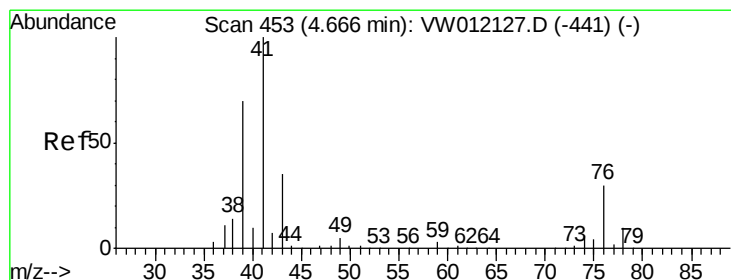
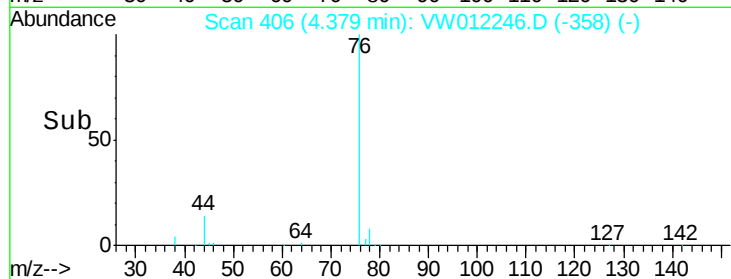
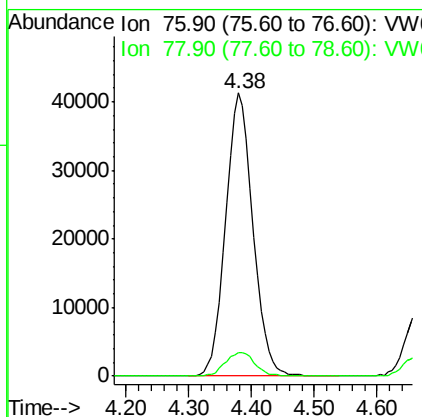
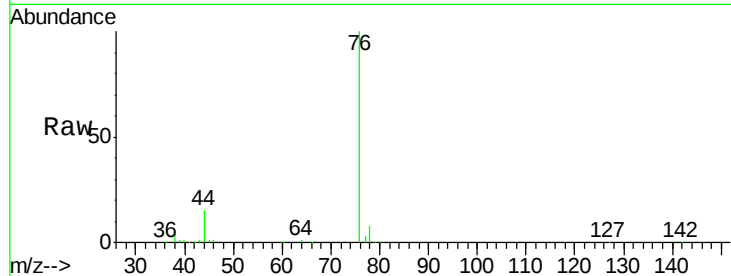
#17
Carbon Disulfide
Concen: 16.410 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

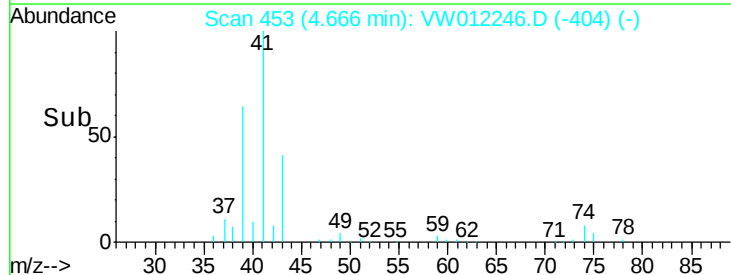
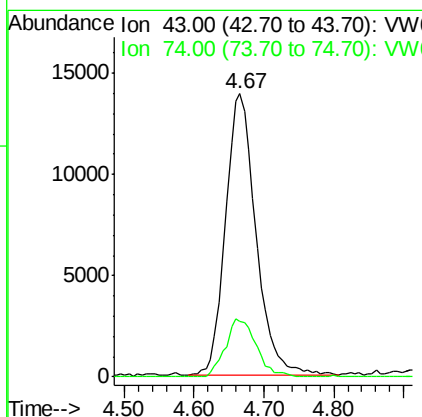
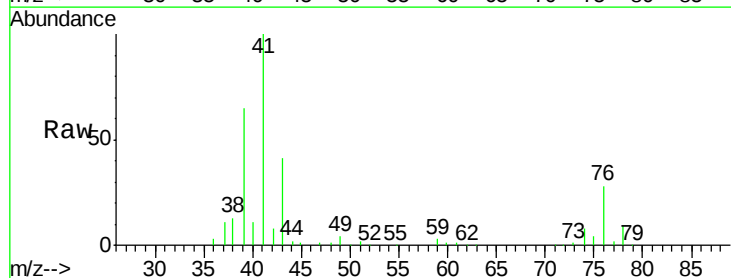
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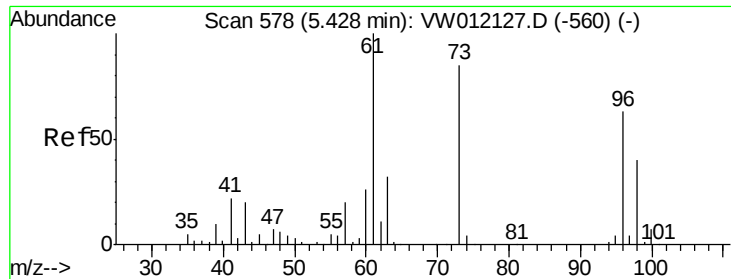
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#18
Methyl Acetate
Concen: 22.379 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	15.7	23.5





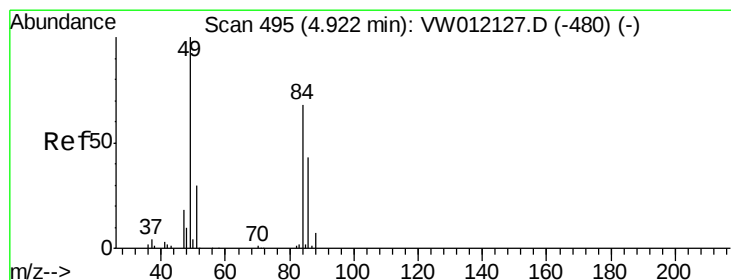
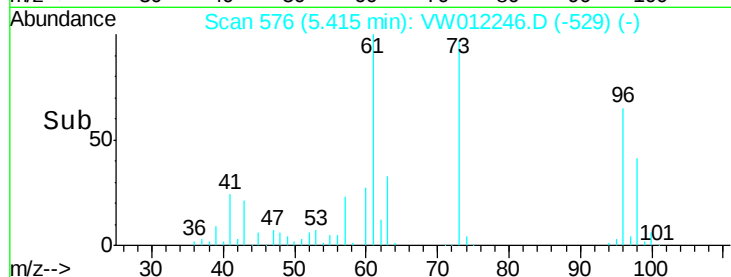
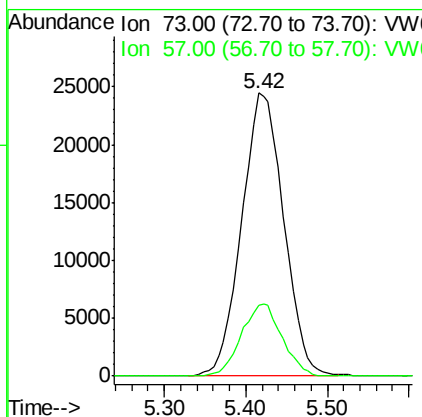
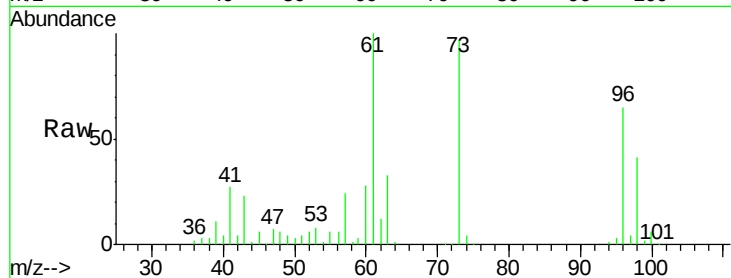
#19
Methvl tert-butvl Ether
Concen: 21.564 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion: 73 Resp: 87454
Ion Ratio Lower Upper
73 100
57 24.8 18.9 28.3

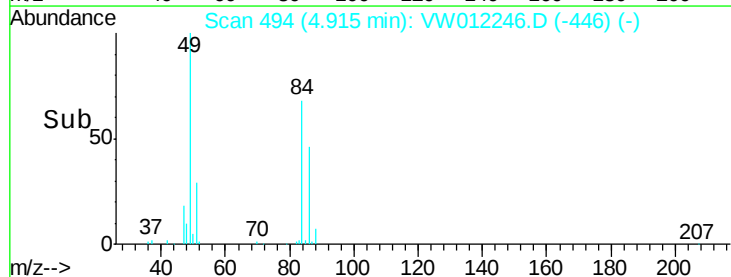
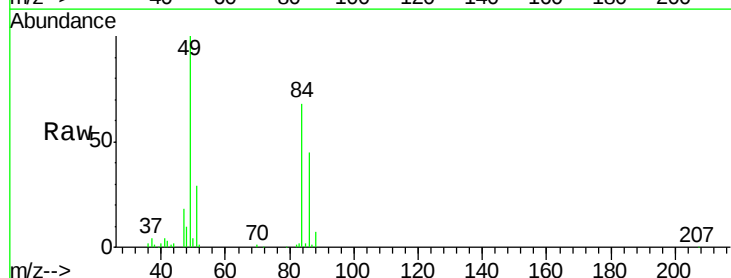
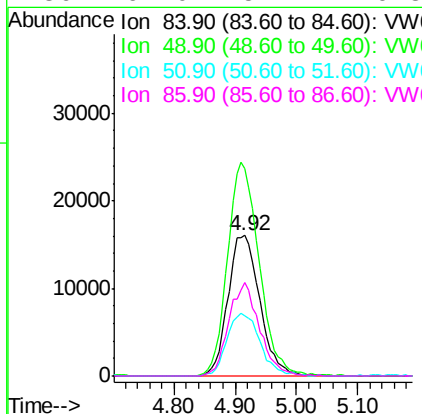
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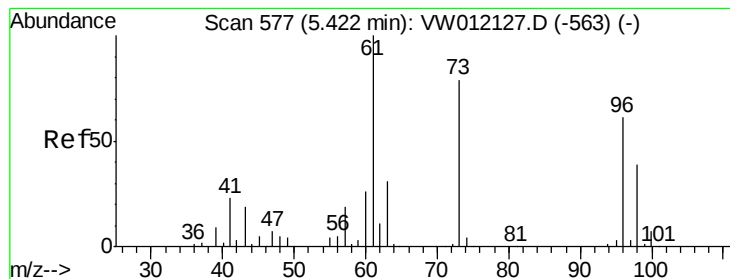
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#20
Methylene Chloride
Concen: 20.115 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 84 Resp: 57771
Ion Ratio Lower Upper
84 100
49 148.1 117.8 176.8
51 42.7 35.6 53.4
86 67.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.915 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 96 Resp: 50868

Ion Ratio Lower Upper

96 100

61 159.7 131.4 197.0

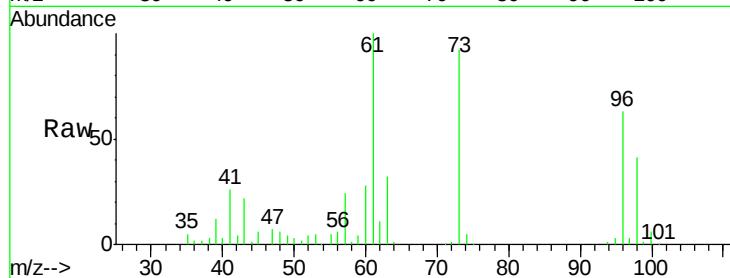
98 66.1 51.4 77.0

Manual Integrations

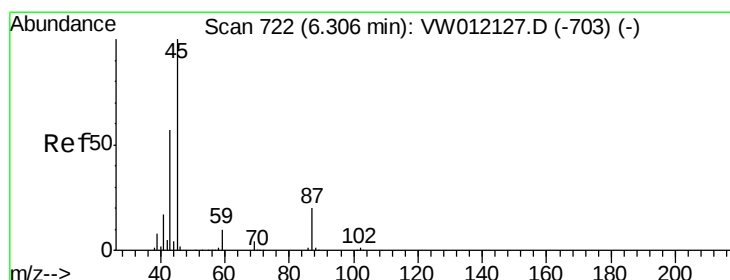
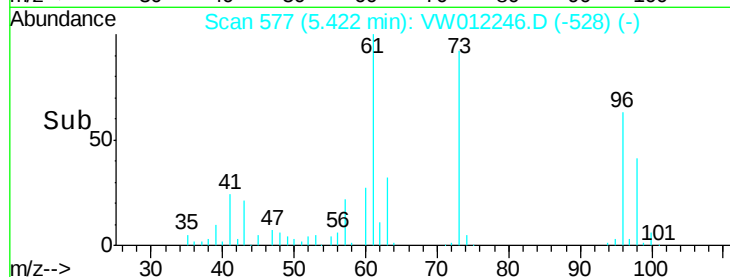
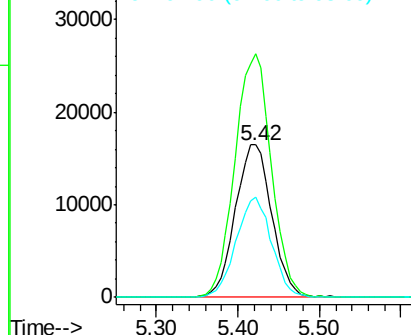
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.199 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Tgt Ion: 45 Resp: 200731

Ion Ratio Lower Upper

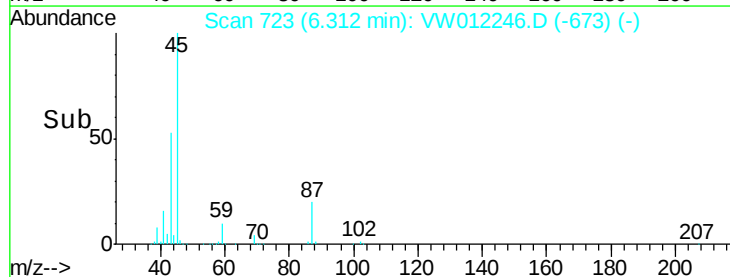
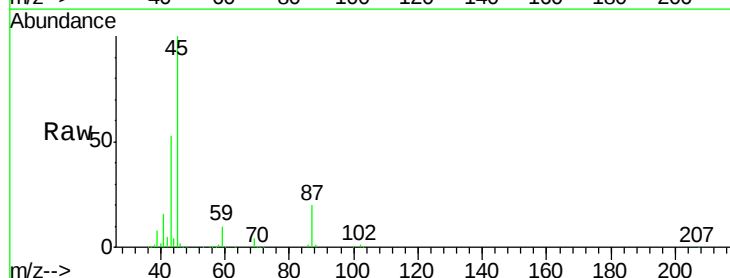
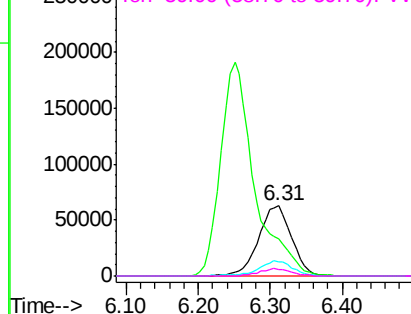
45 100

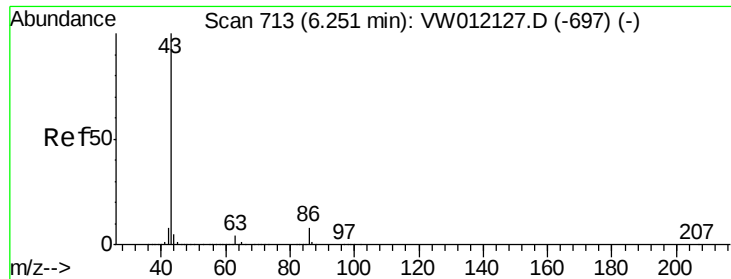
43 52.6 45.5 68.3

87 20.2 16.1 24.1

59 9.6 8.2 12.2

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 102.188 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 43 Resp: 624963

Ion Ratio Lower Upper

43 100

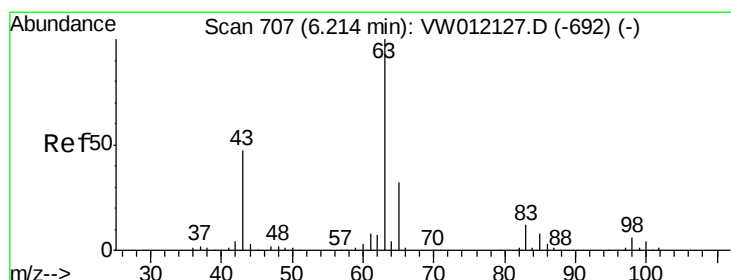
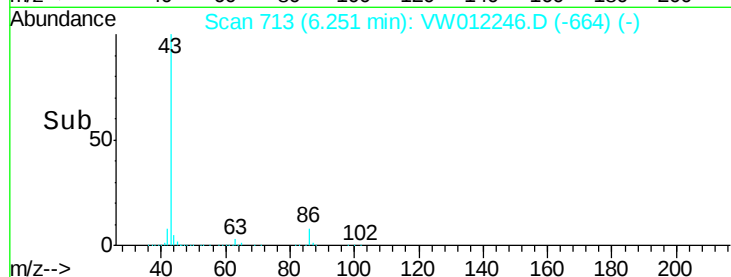
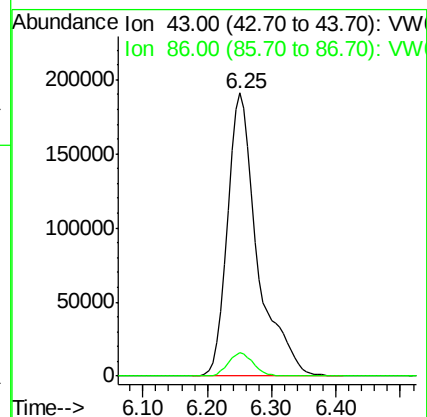
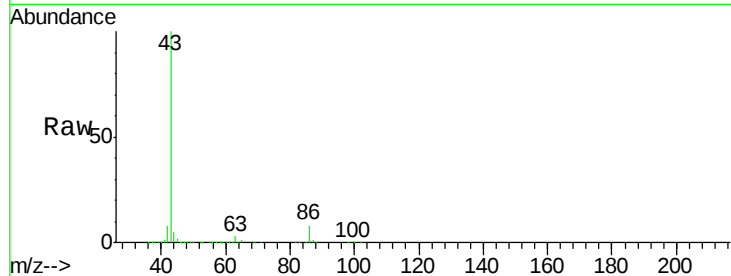
86 8.3 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 19.683 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

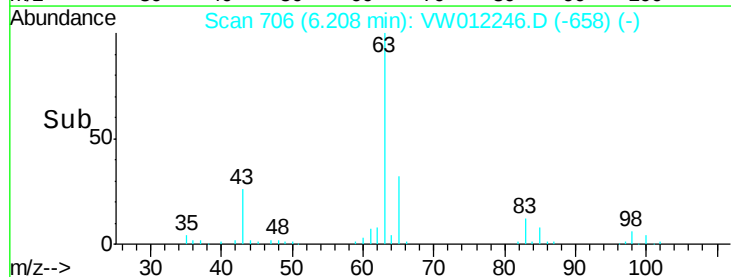
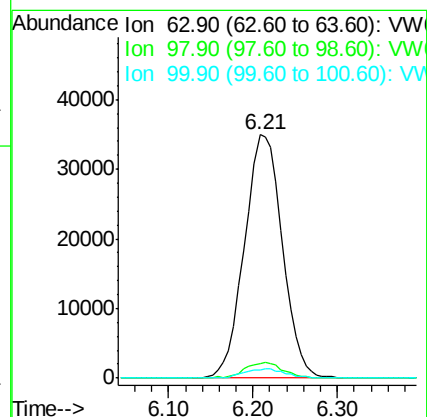
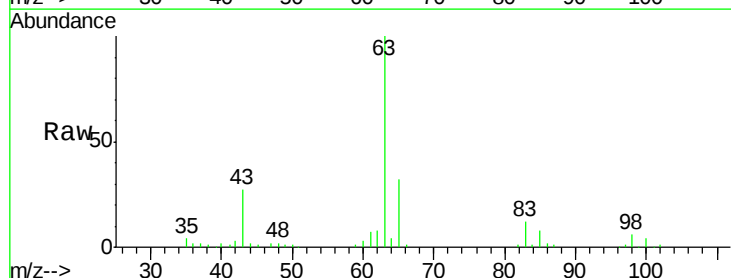
Tgt Ion: 63 Resp: 106501

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 107.733 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 43 Resp: 111223

Ion Ratio Lower Upper

43 100

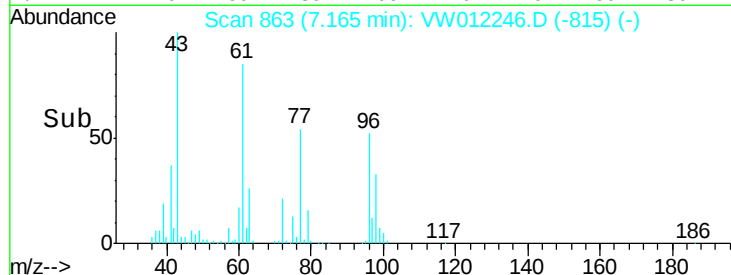
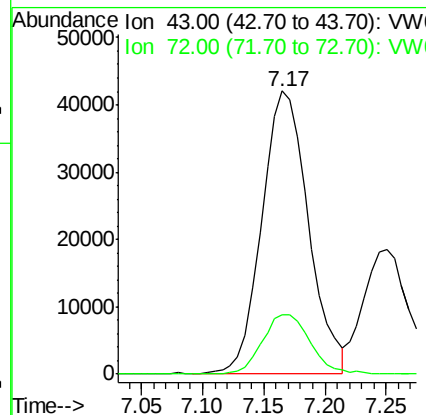
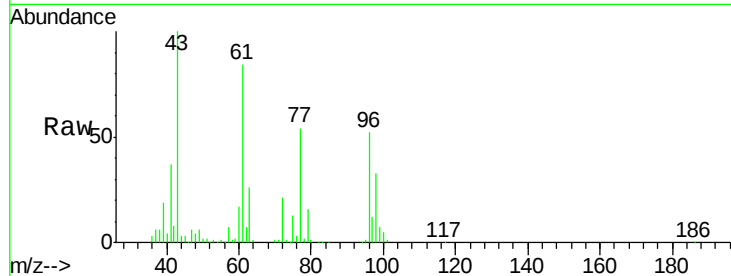
72 20.8 16.6 24.8

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#26

2,2-Dichloropropane

Concen: 21.274 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012246.D

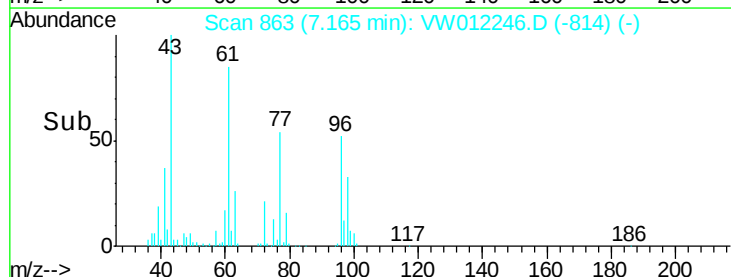
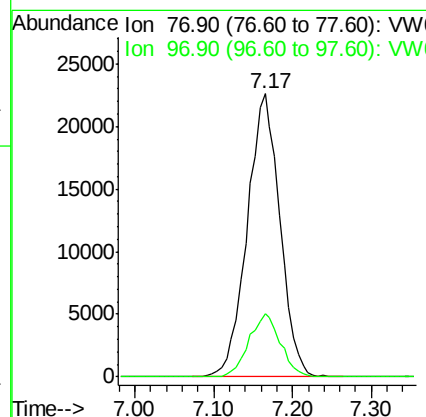
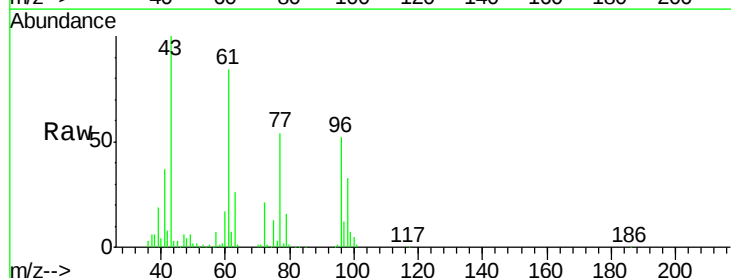
Acq: 28 Aug 2019 11:48

Tgt Ion: 77 Resp: 65155

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.1





#27

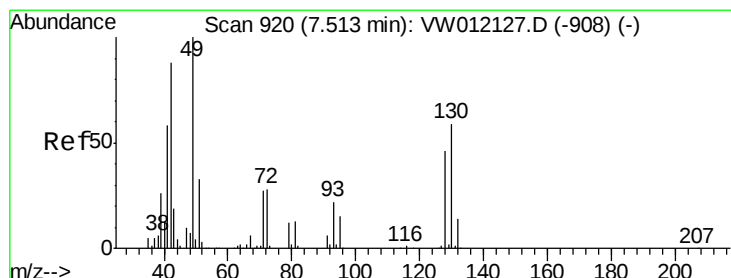
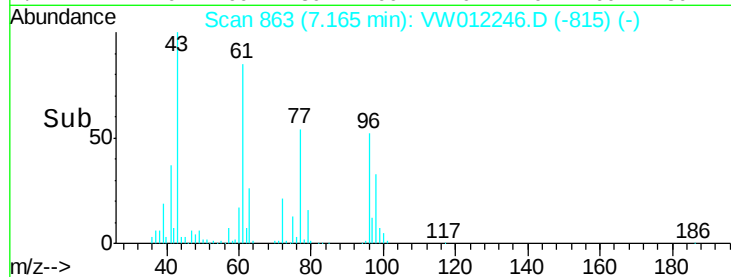
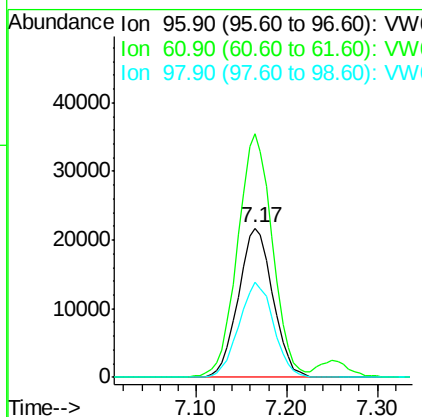
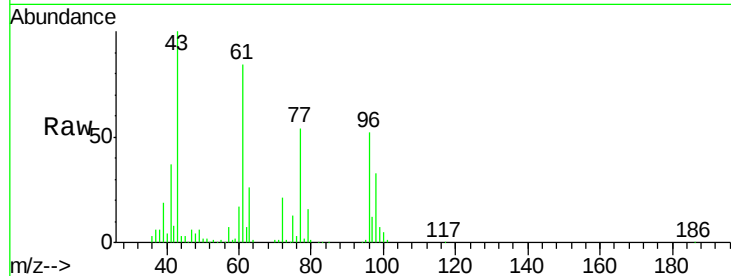
cis-1,2-Dichloroethene
Concen: 19.903 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	326.6
98	64.2	0.0	127.4

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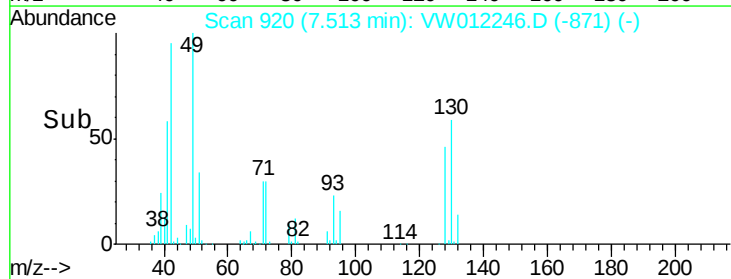
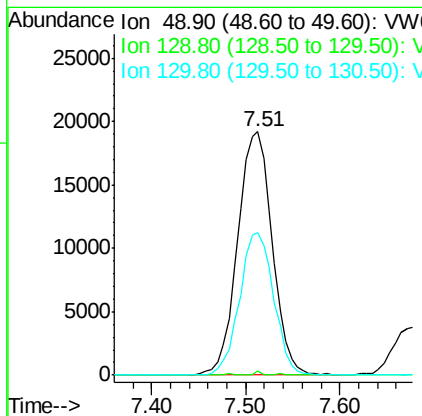
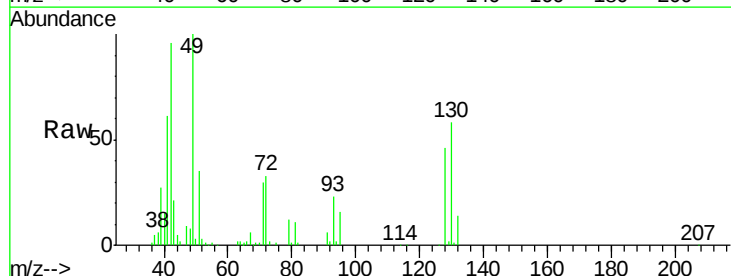
MMDadoda
8/29/2019 9:42:01 AM

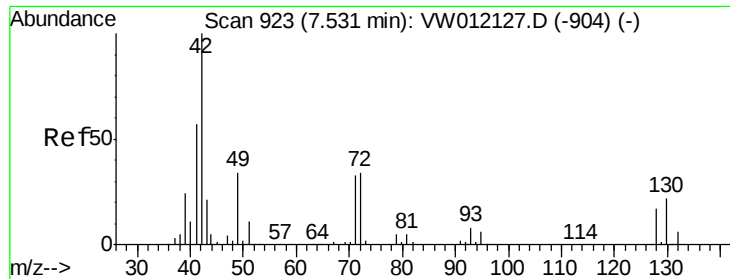


#28

Bromochloromethane
Concen: 20.869 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.4
130	57.8	45.5	68.3





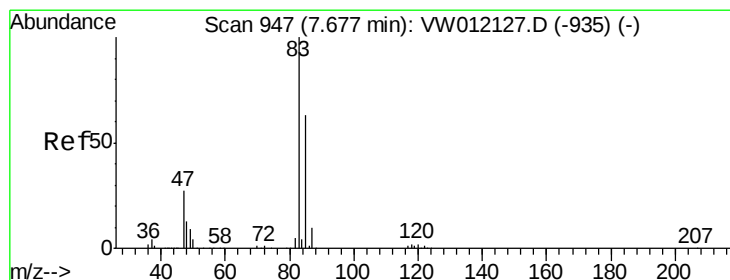
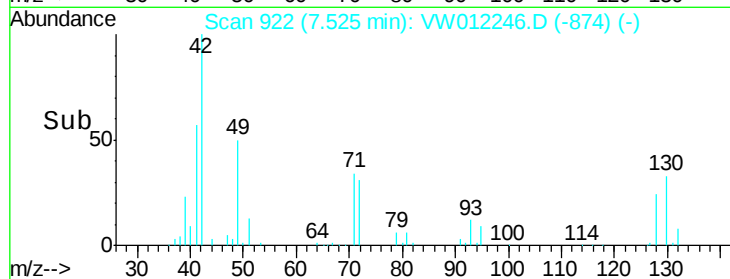
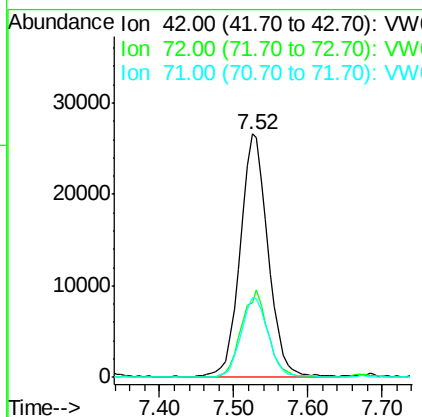
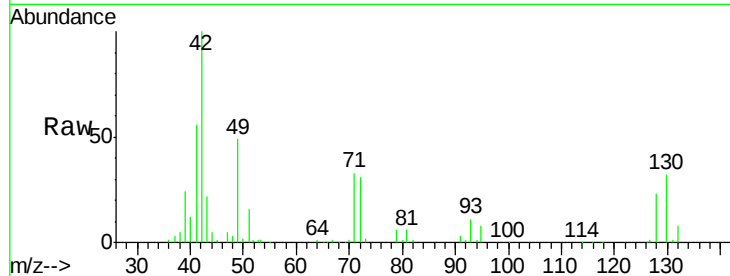
#29
Tetrahydrofuran
Concen: 111.897 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	32.6	25.5	38.3

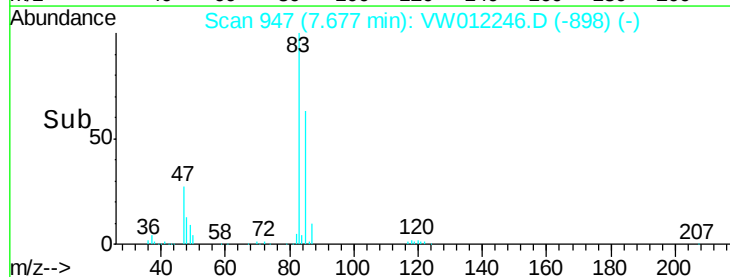
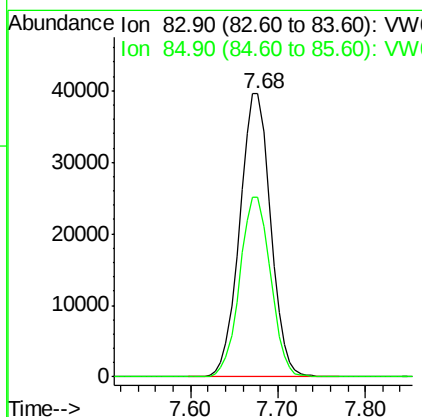
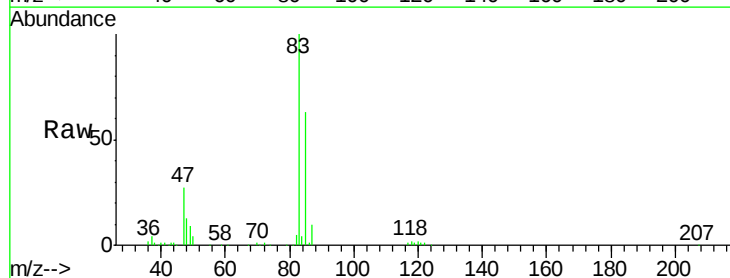
Manual Integrations
APPROVED

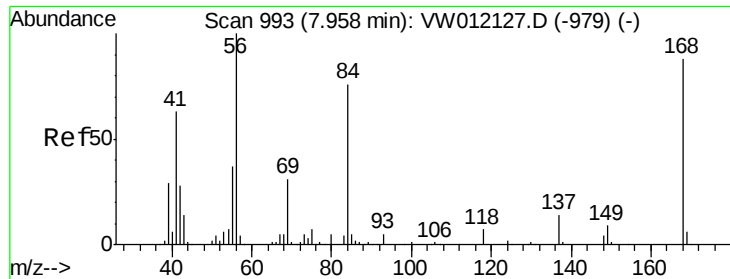
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8/29/2019 9:42:01 AM



#30
Chloroform
Concen: 19.645 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0





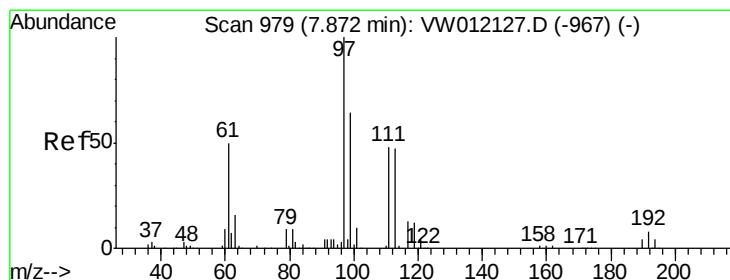
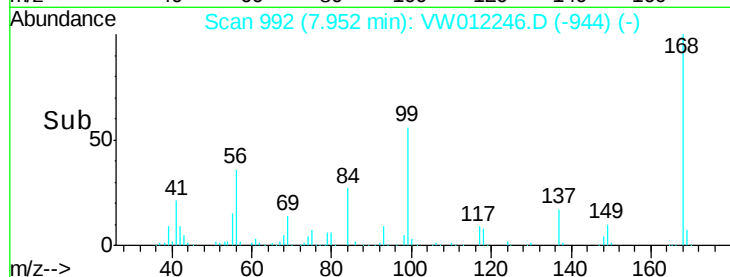
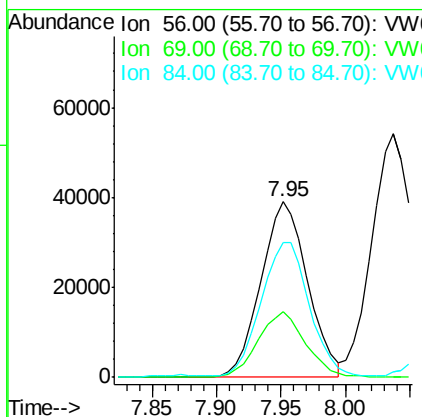
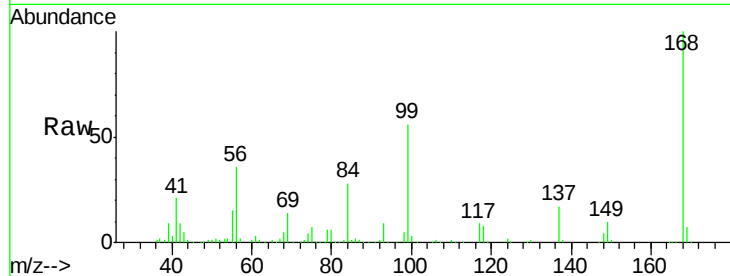
#31
Cyclohexane
Concen: 18.330 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	24.9	37.3#
84	75.5	60.6	90.8

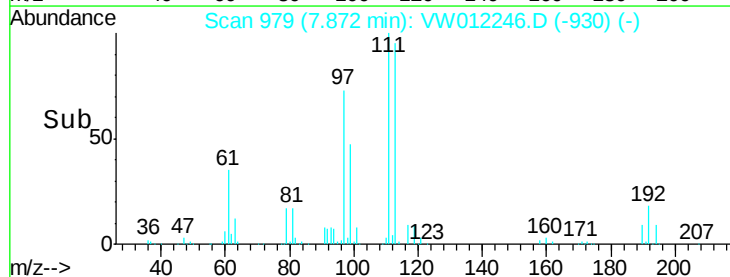
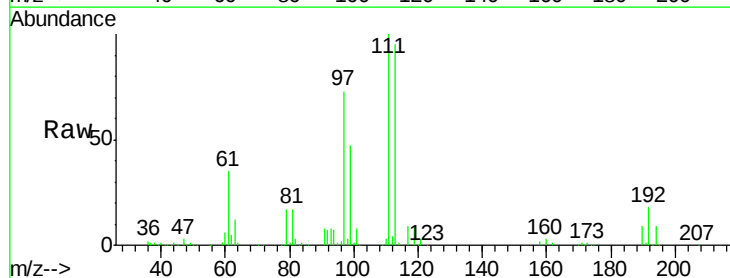
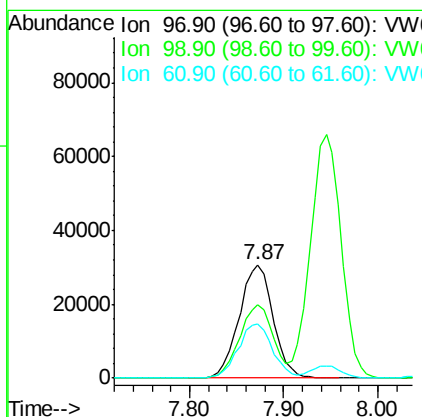
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#32
1,1,1-Trichloroethane
Concen: 19.693 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	48.8	39.5	59.3





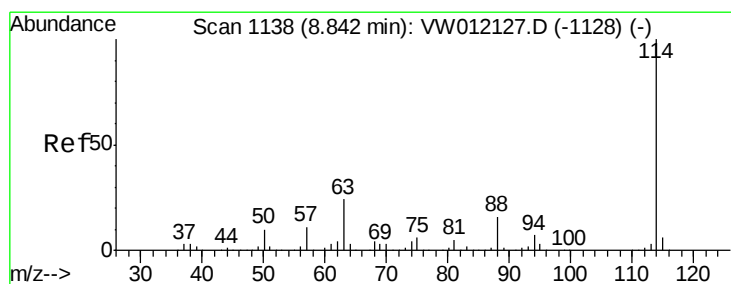
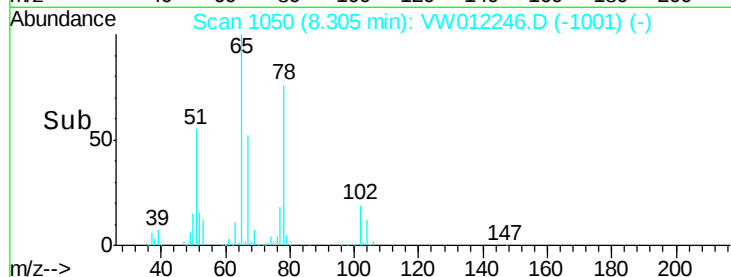
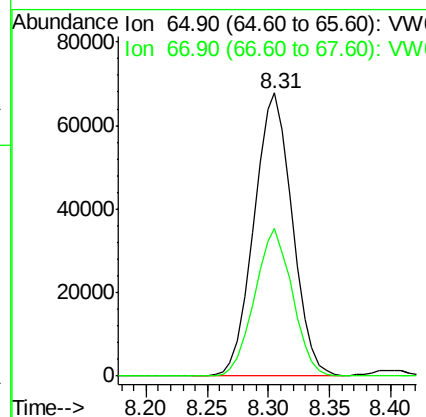
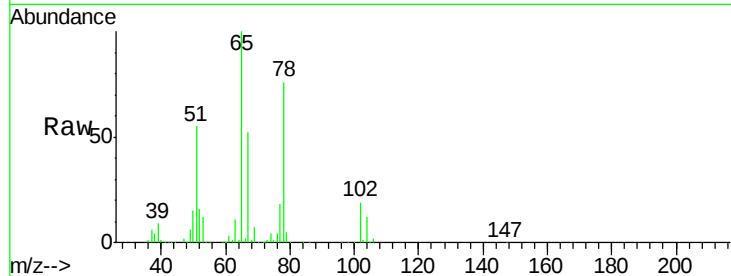
#33
 1,2-Dichloroethane-d4
 Concen: 49.657 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147585		
67	51.3	0.0	102.6	

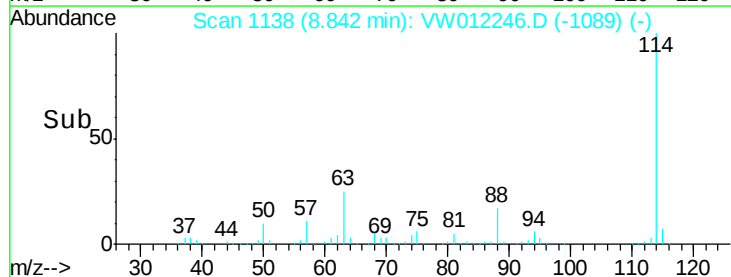
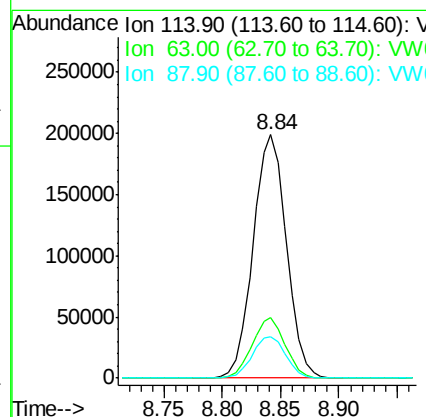
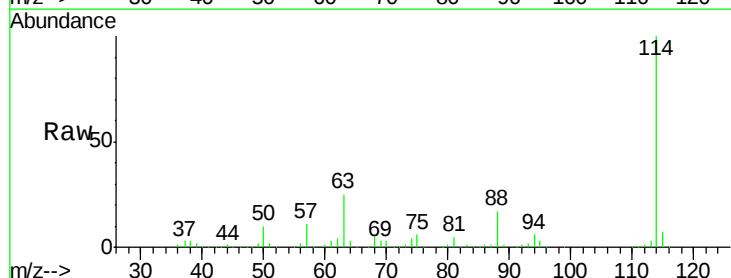
Manual Integrations
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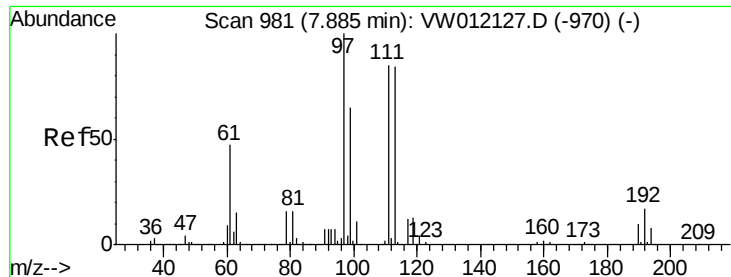
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	396103		
63	24.7	0.0	48.6	
88	17.1	0.0	32.2	





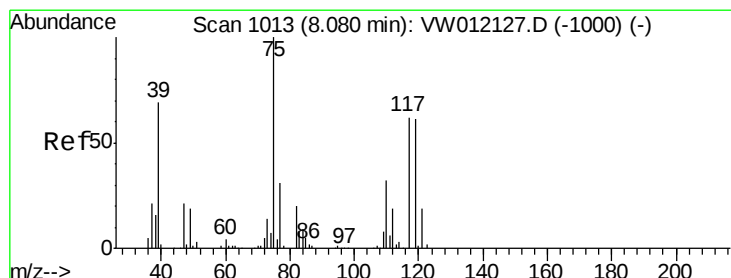
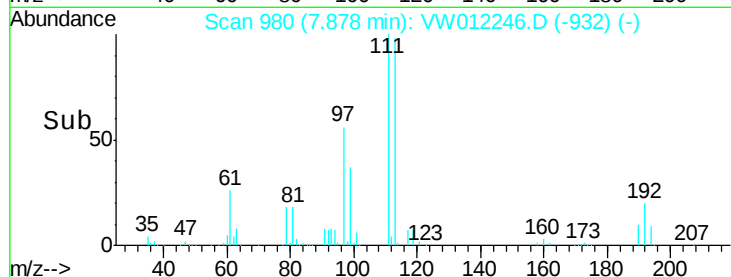
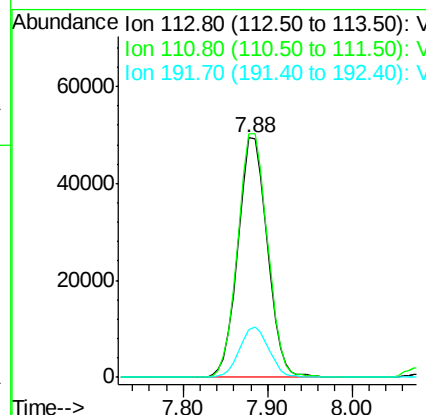
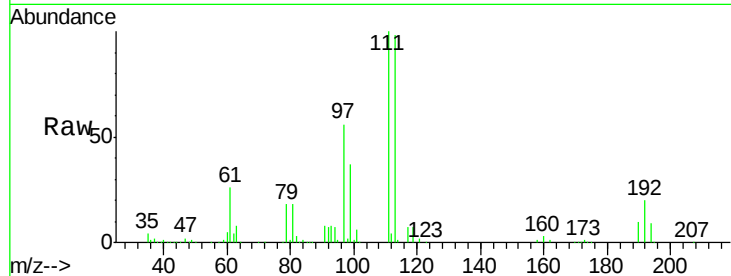
#35
 Dibromofluoromethane
 Concen: 49.257 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116460		
111	102.9	82.7	124.1	
192	20.8	16.2	24.2	

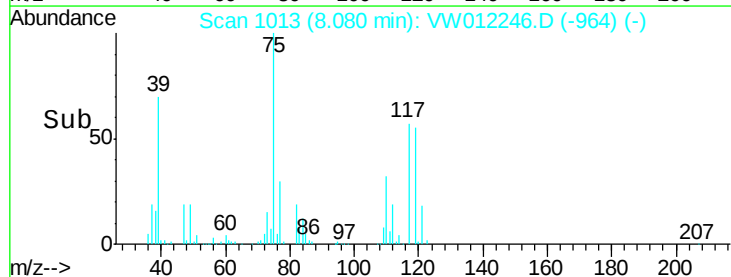
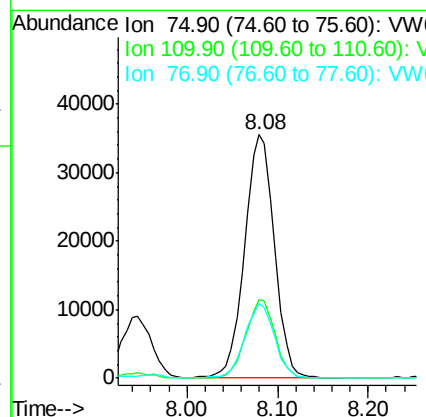
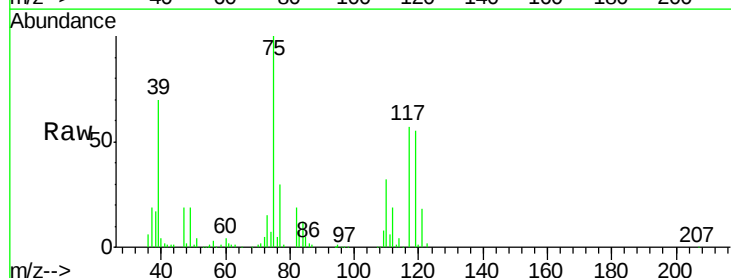
Manual Integrations
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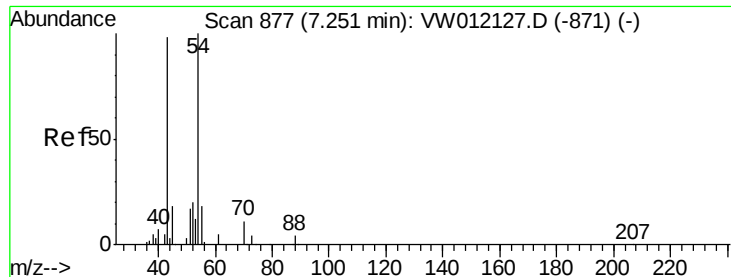
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#36
 1,1-Dichloropropene
 Concen: 19.727 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80749		
110	31.5	15.6	46.8	
77	30.7	24.6	36.8	





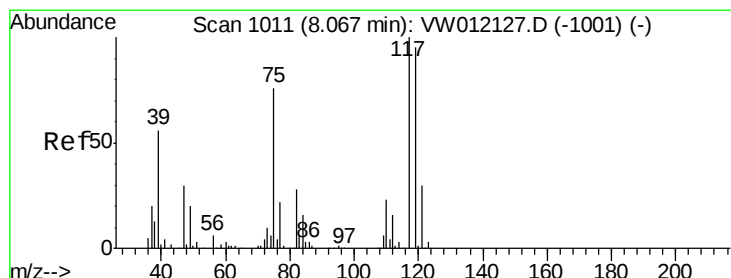
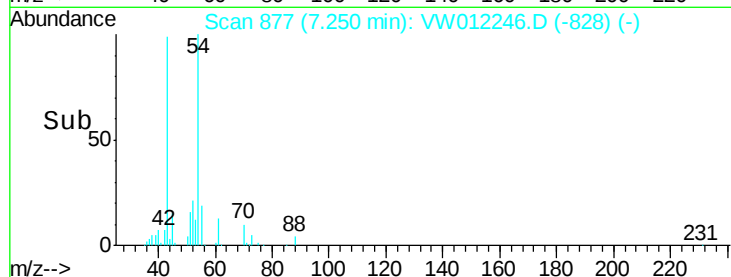
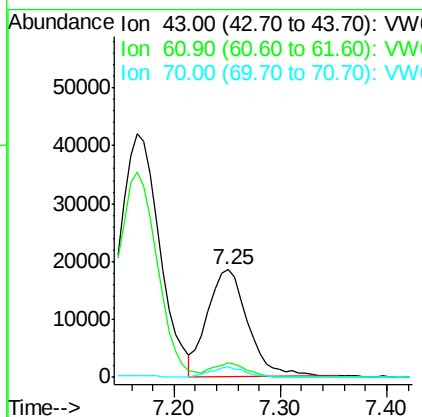
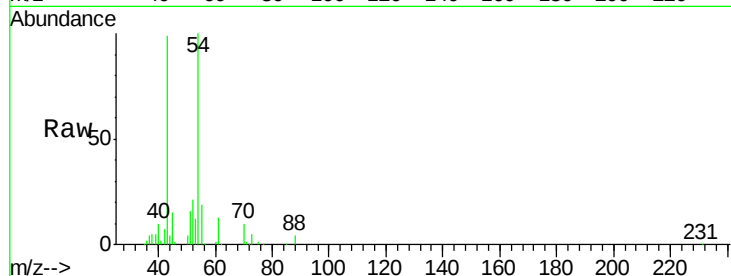
#37
Ethyl Acetate
Concen: 21.455 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.2	13.8
70	8.7	6.9	10.3

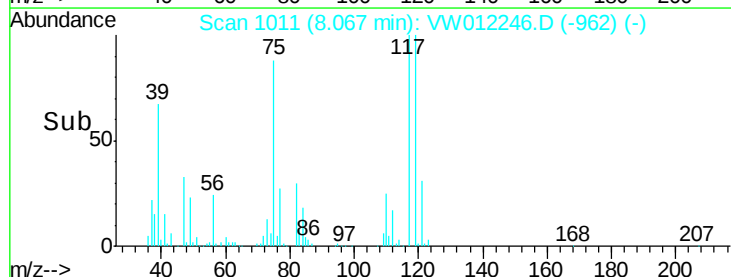
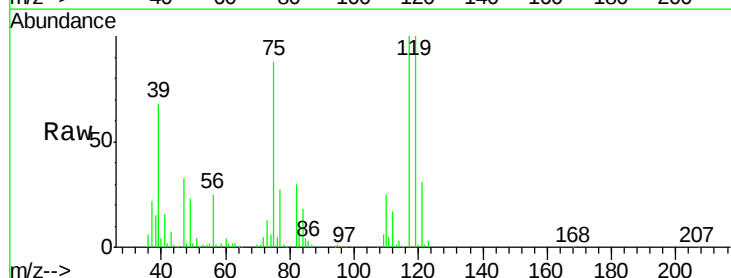
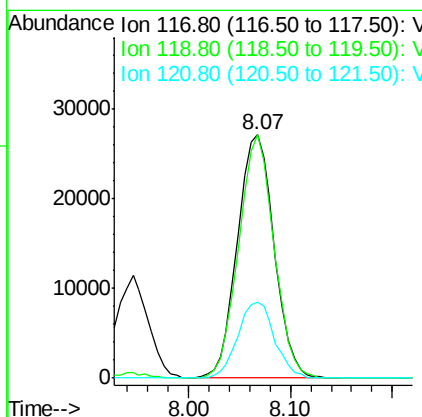
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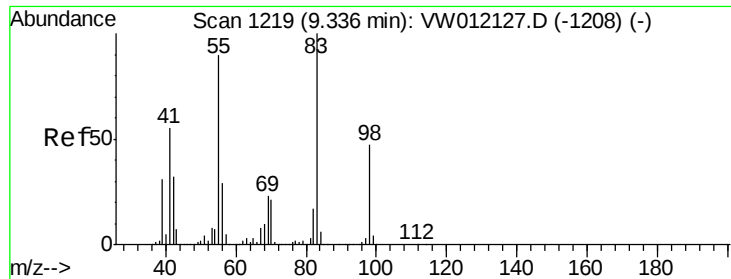
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#38
Carbon Tetrachloride
Concen: 19.206 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	76.2	114.2
121	31.3	23.8	35.8





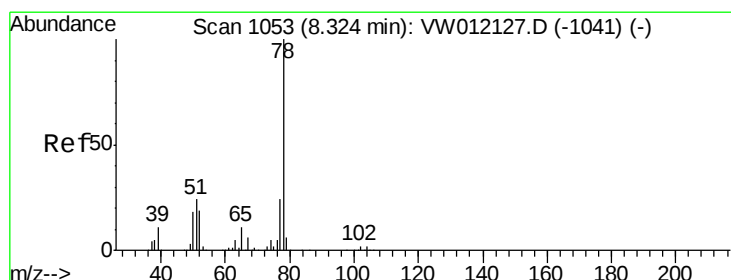
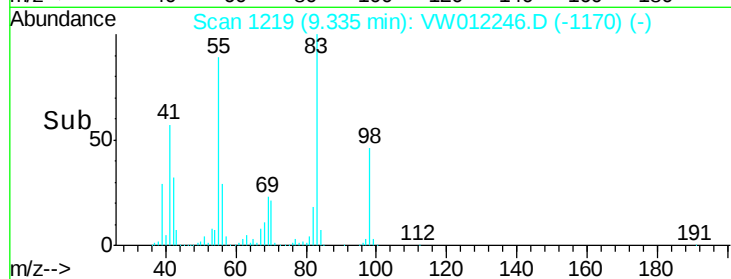
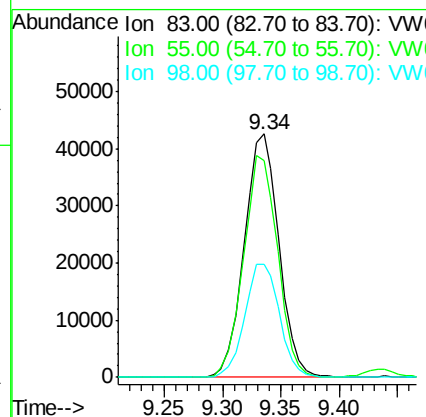
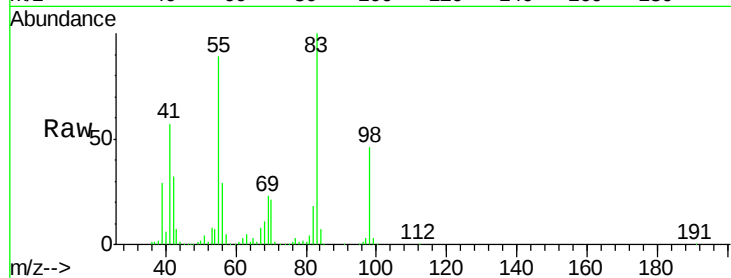
#39
Methvlcvclohexane
Concen: 19.250 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	83.00	Resp	88520
Ion	Ratio	Lower	Upper
83	100		
55	88.9	71.8	107.8
98	46.4	37.8	56.8

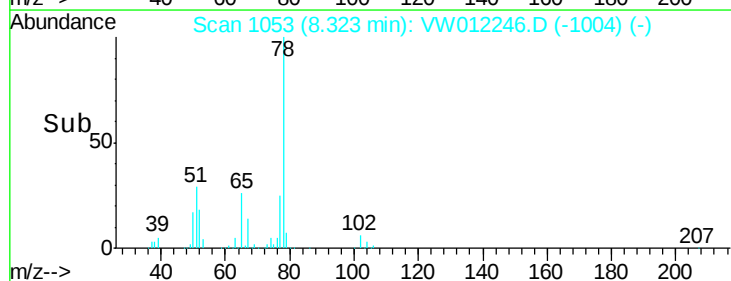
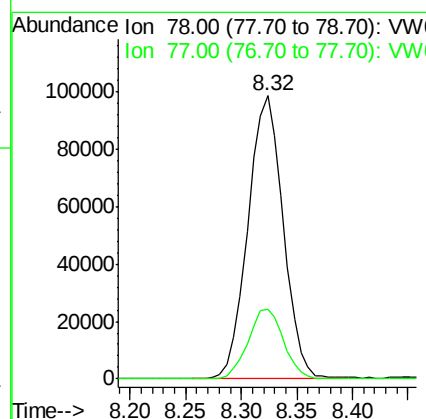
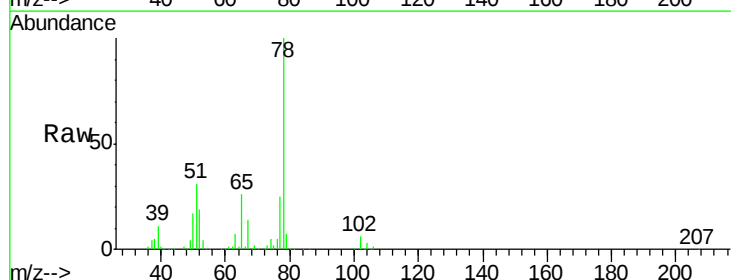
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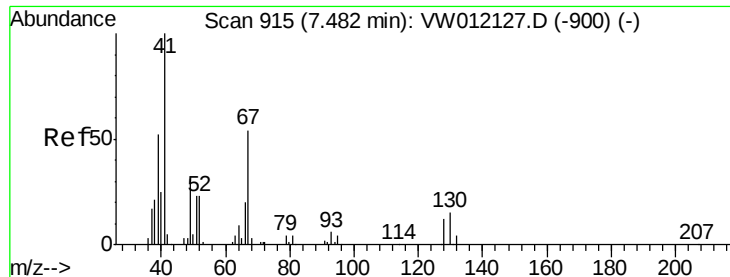
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#40
Benzene
Concen: 19.475 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	78.00	Resp	217670
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.5	29.3





#41

Methacrylonitrile

Concen: 19.551 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

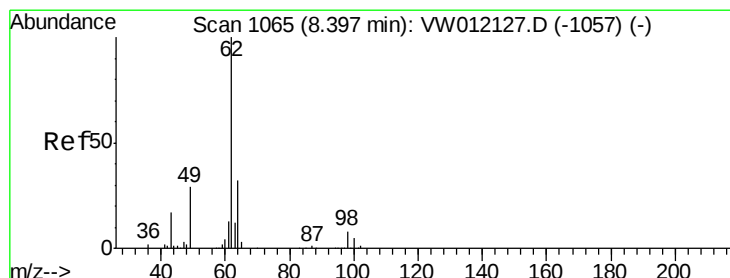
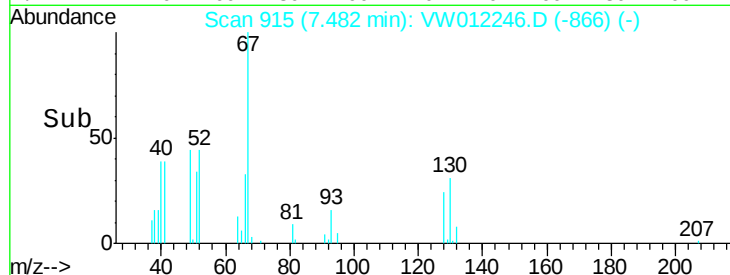
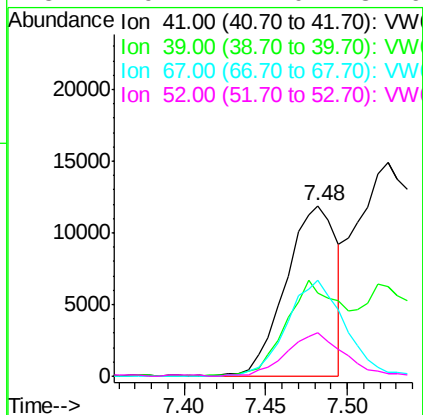
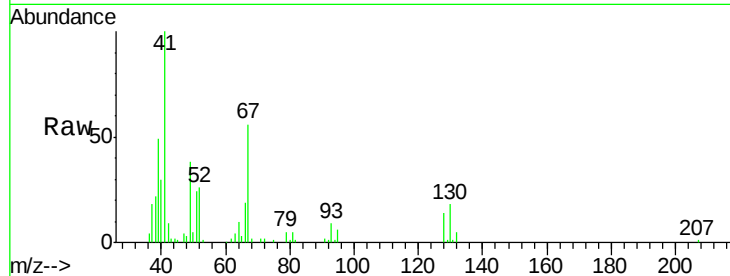
ClientSampleId :

VW0828SBS01

Tot Ion	41	Resp	25775
Ion	Ratio	Lower	Upper
41	100		
39	60.2	45.8	68.8
67	64.6	46.2	69.4
52	29.7	21.0	31.6

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#42

1,2-Dichloroethane

Concen: 19.738 ug/l

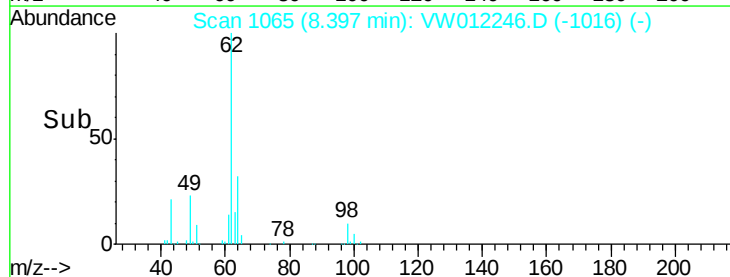
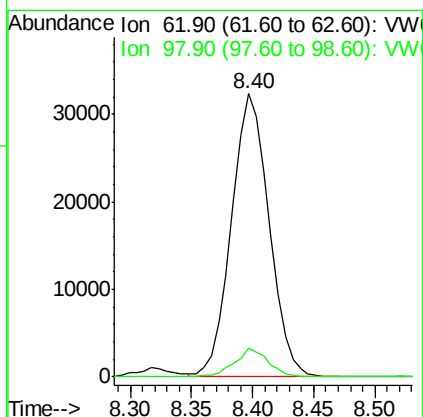
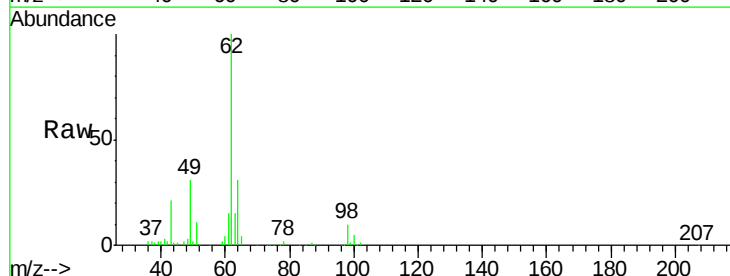
RT: 8.40 min Scan# 1065

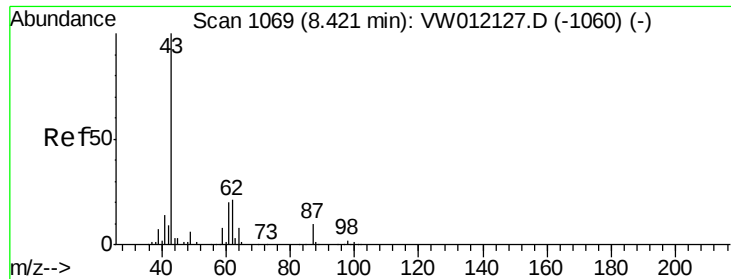
Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Tgt Ion	62	Resp	69142
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





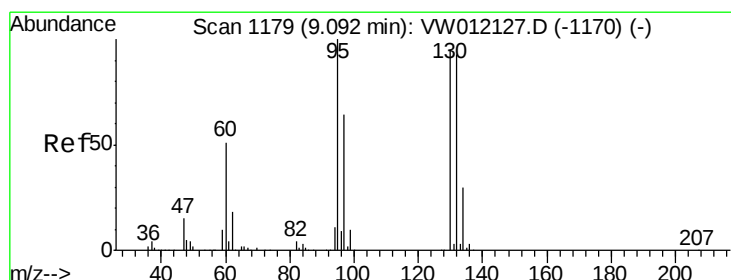
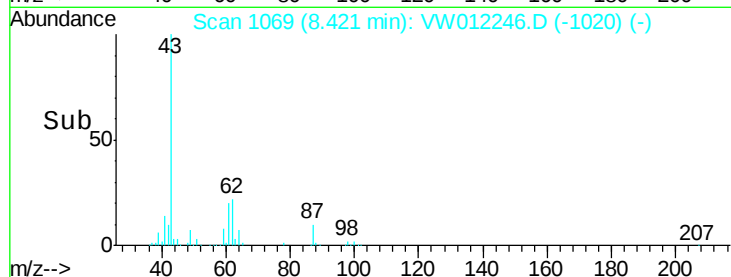
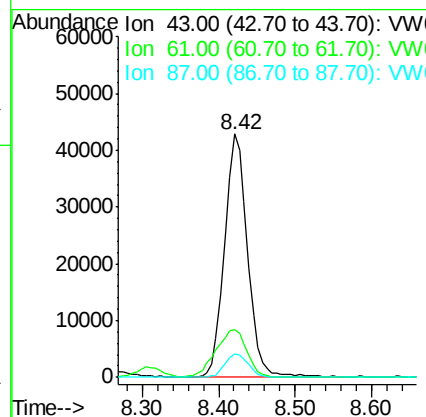
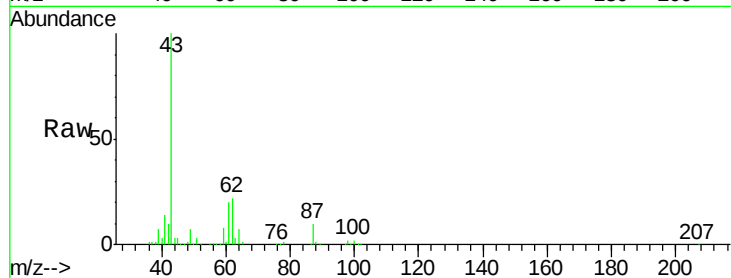
#43
Isopropyl Acetate
Concen: 21.277 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.1	31.7
87	10.2	8.2	12.2

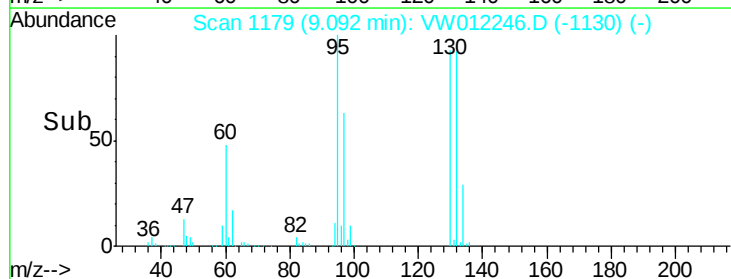
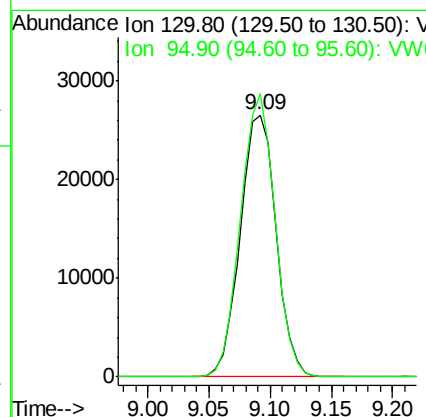
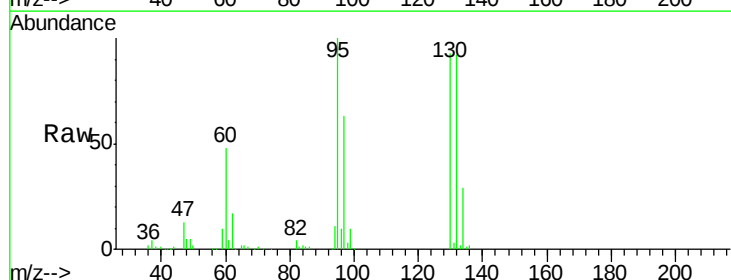
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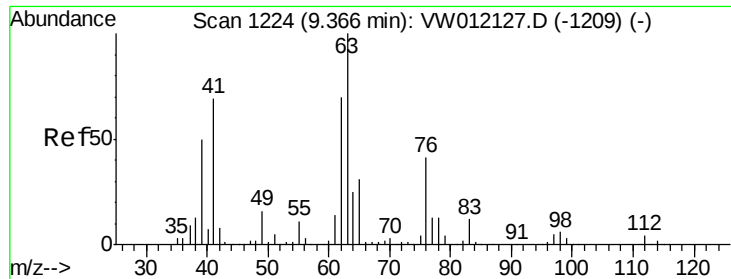
MMDadoda
8/29/2019 9:42:01 AM



#44
Trichloroethene
Concen: 19.930 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	210.6





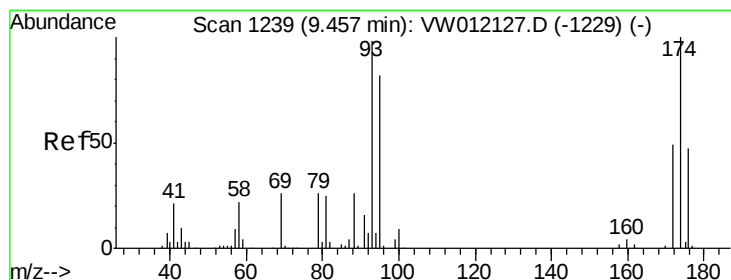
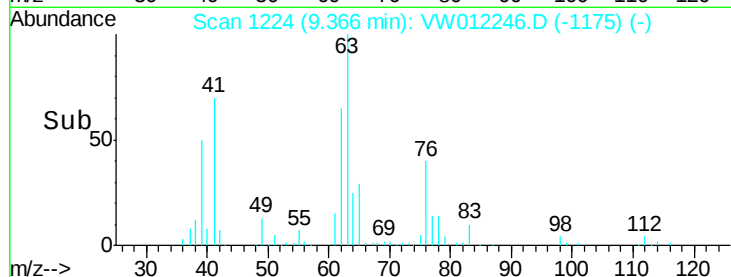
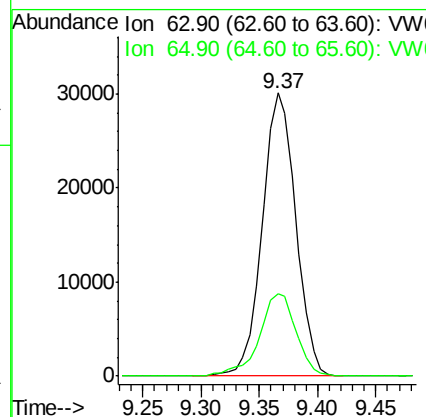
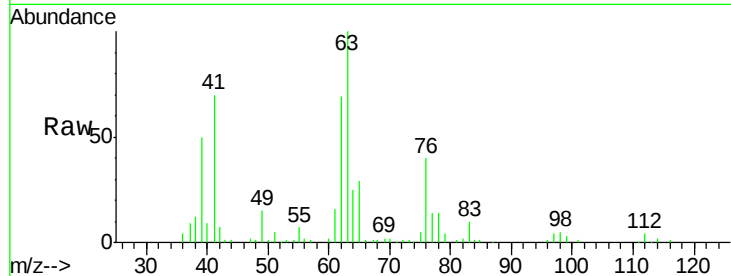
#45
 1,2-Dichloropropane
 Concen: 20.089 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.1	25.0	37.4

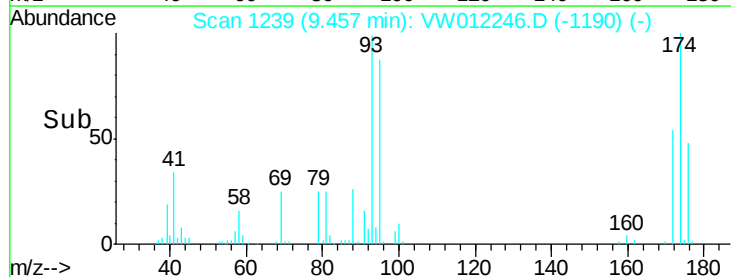
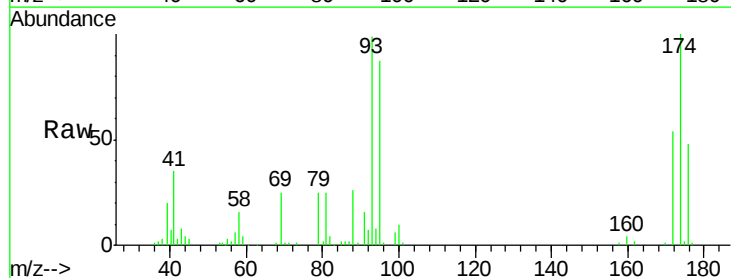
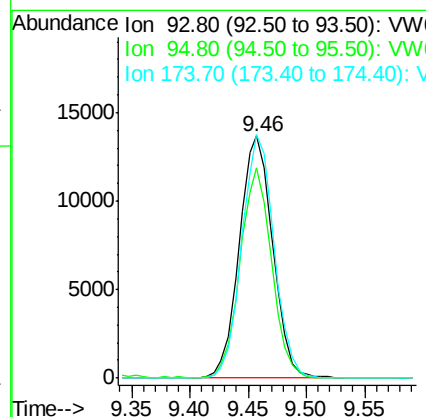
Manual Integrations
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 8/29/2019 9:42:01 AM



#46
 Dibromomethane
 Concen: 20.417 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.2	100.8
174	97.1	79.0	118.6





#47

Bromodichloromethane

Concen: 19.809 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

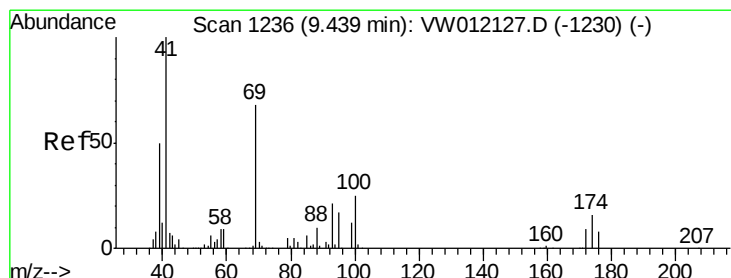
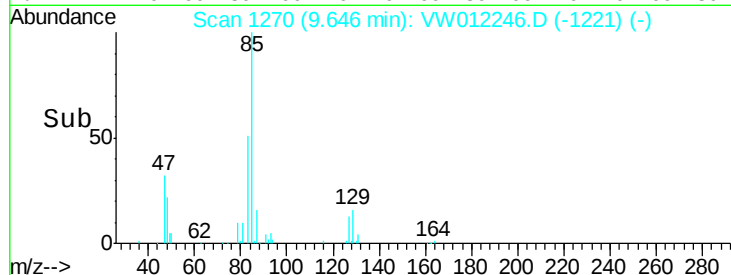
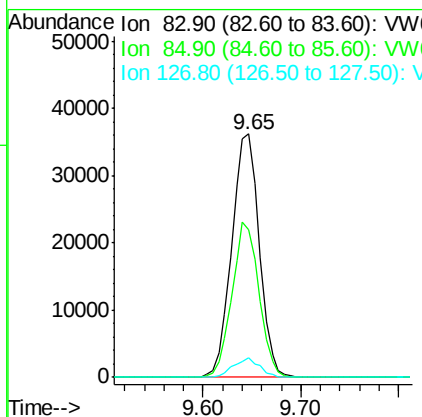
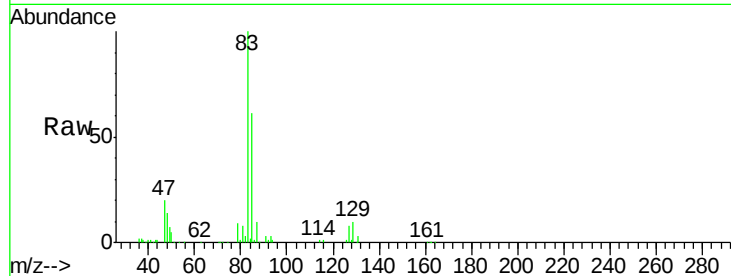
ClientSampleId :

VW0828SBSD01

Tot Ion:	83	Resp:	70560
Ion	Ratio	Lower	Upper
83	100		
85	60.8	49.4	74.2
127	8.1	6.1	9.1

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#48

Methyl methacrylate

Concen: 21.396 ug/l

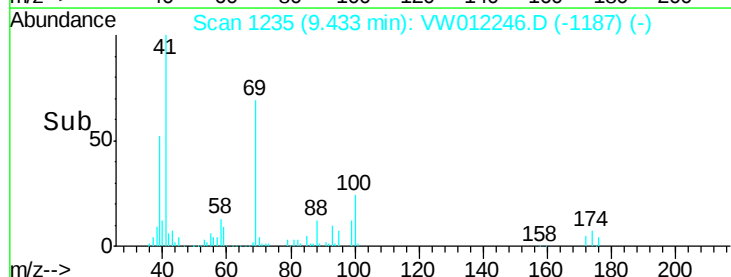
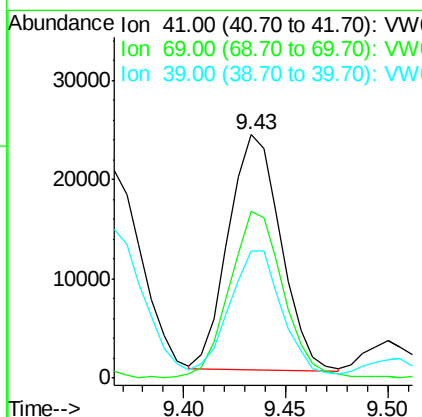
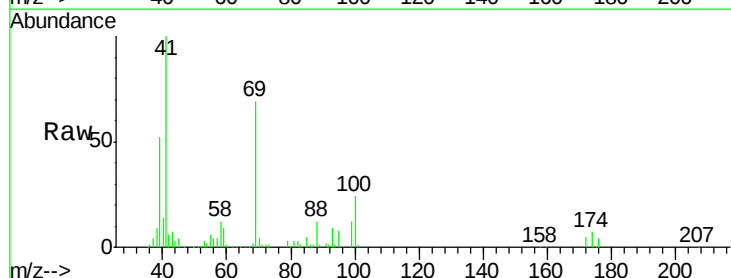
RT: 9.43 min Scan# 1235

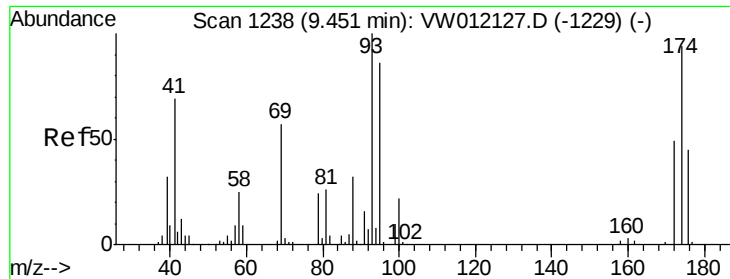
Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Tgt Ion:	41	Resp:	42310
Ion	Ratio	Lower	Upper
41	100		
69	72.3	56.7	85.1
39	51.2	42.0	63.0





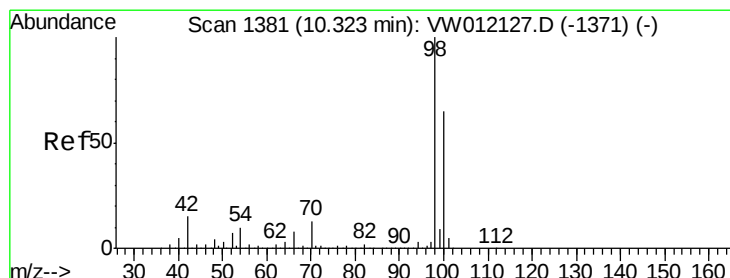
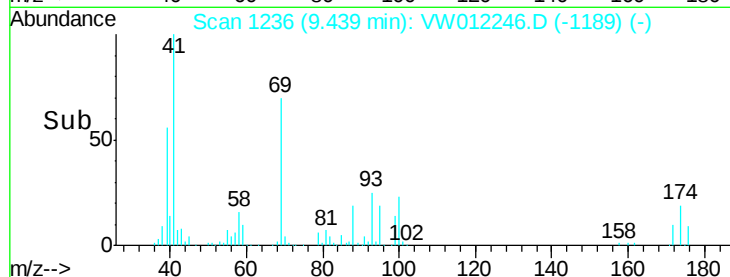
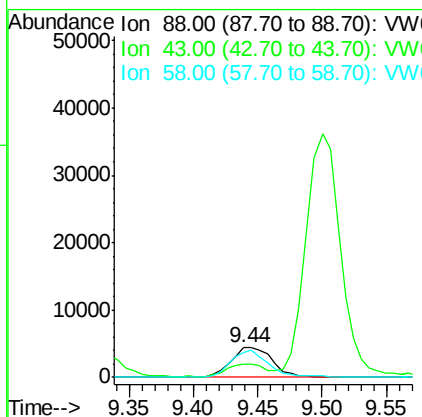
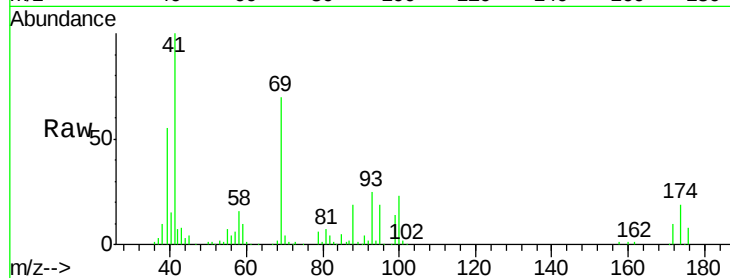
#49
1,4-Dioxane
Concen: 483.480 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.7	32.9	49.3
58	85.4	71.0	106.4

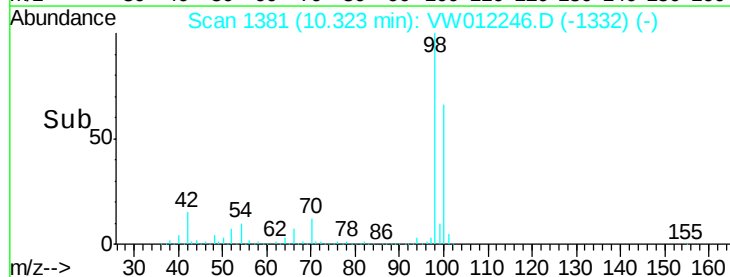
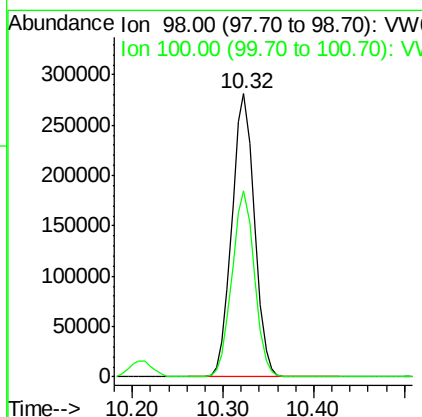
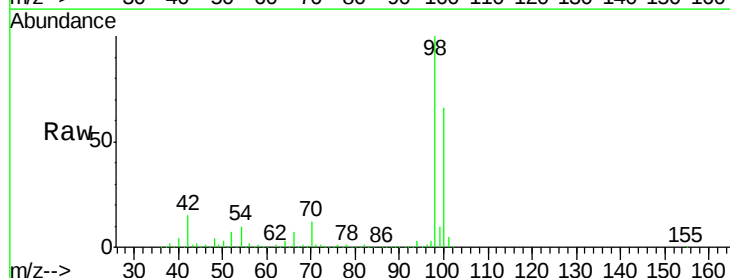
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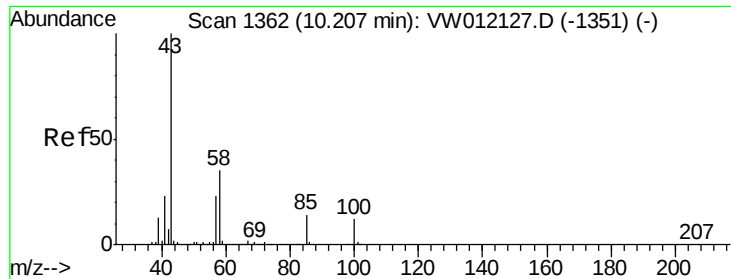
MMDadoda
8/29/2019 9:42:01 AM



#50
Toluene-d8
Concen: 50.706 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 111.528 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 43 Resp: 235690

Ion Ratio Lower Upper

43 100

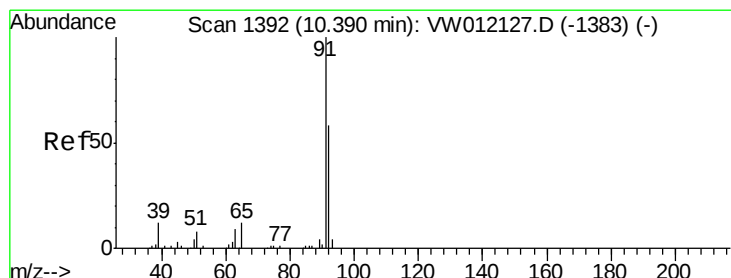
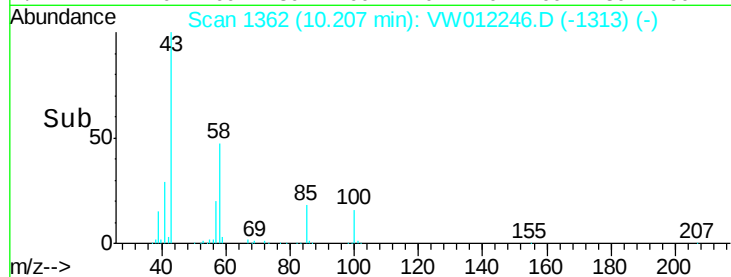
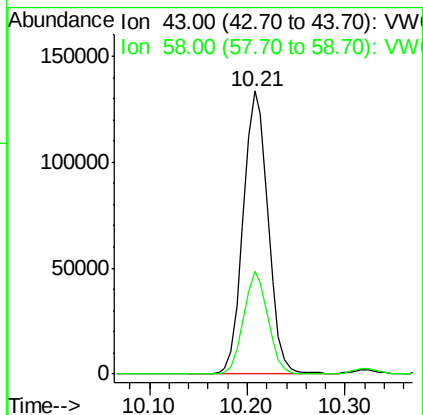
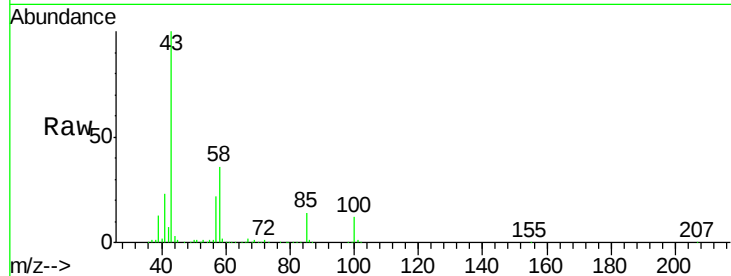
58 35.1 28.2 42.2

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#52

Toluene

Concen: 19.950 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012246.D

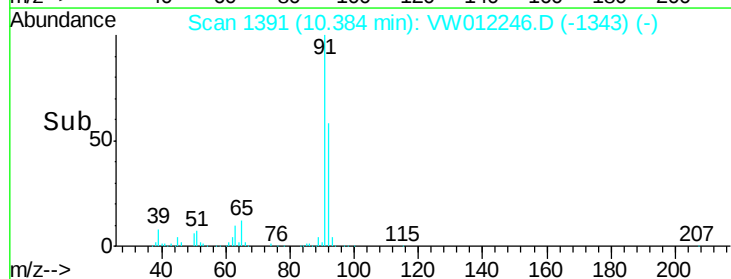
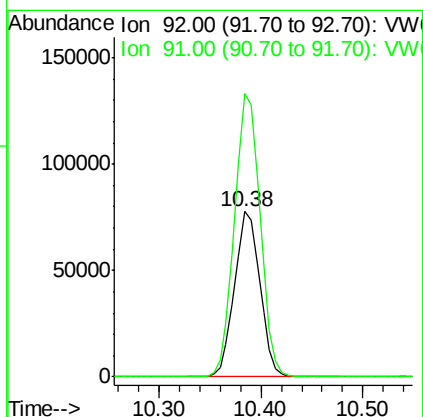
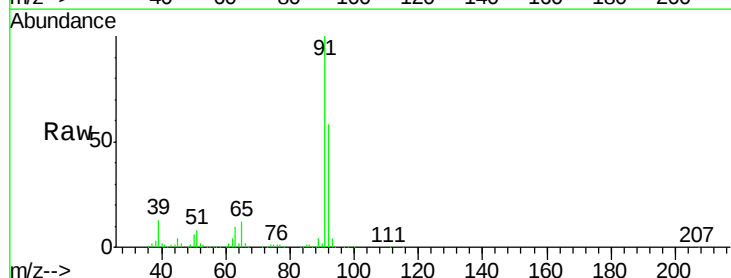
Acq: 28 Aug 2019 11:48

Tgt Ion: 92 Resp: 133956

Ion Ratio Lower Upper

92 100

91 172.7 136.6 204.8





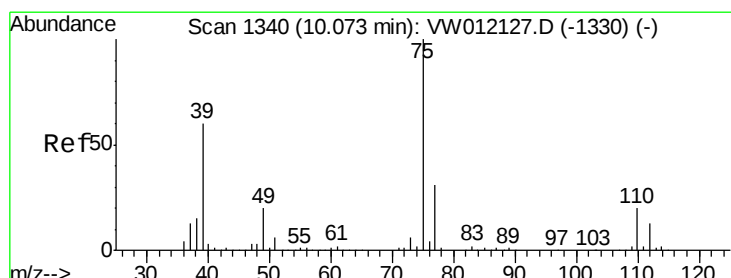
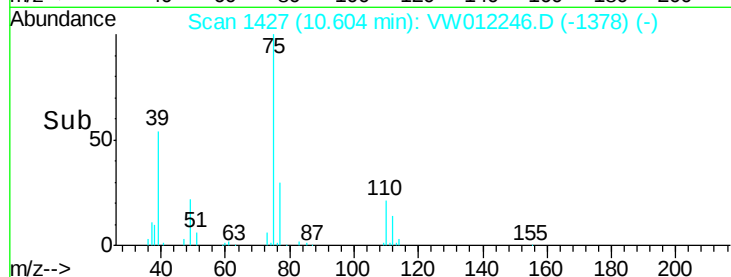
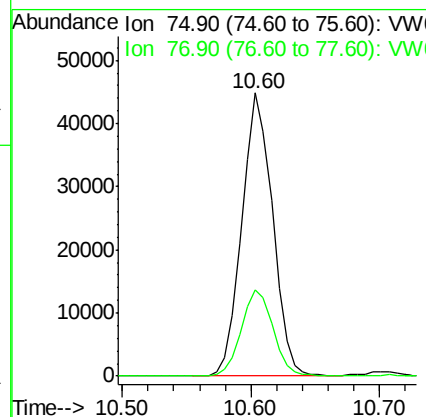
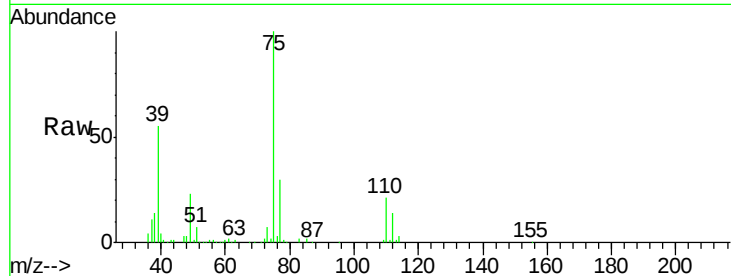
#53
t-1,3-Dichloropropene
Concen: 20.476 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD01

Tot Ion: 75 Resp: 74295
Ion Ratio Lower Upper
75 100
77 30.4 25.0 37.4

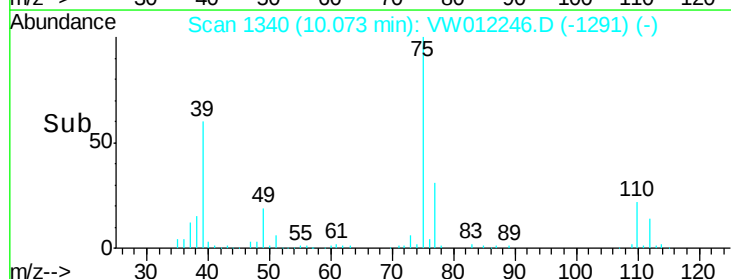
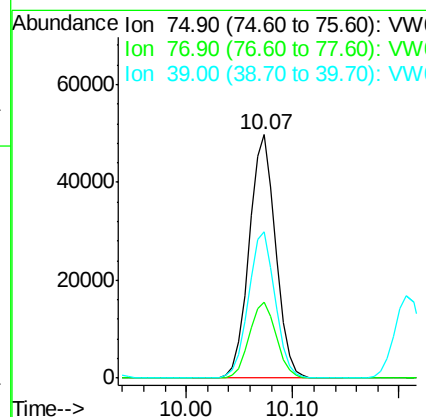
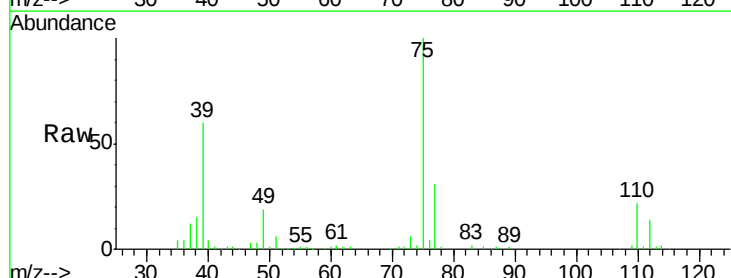
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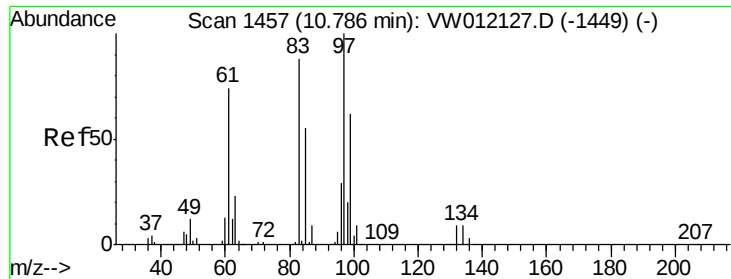
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.810 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion: 75 Resp: 86787
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7
39 59.9 48.3 72.5





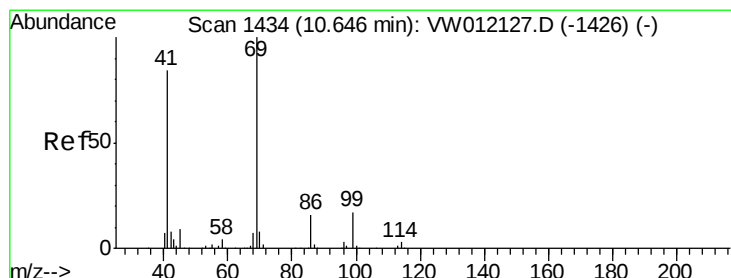
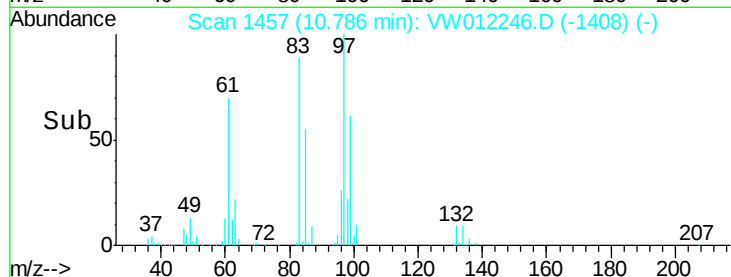
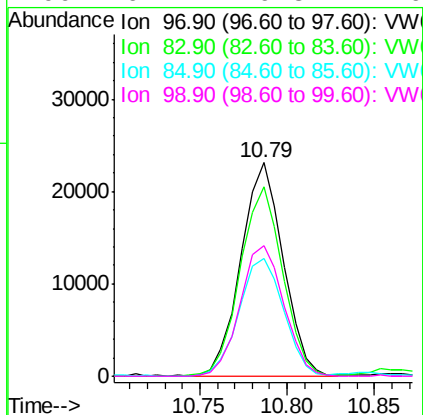
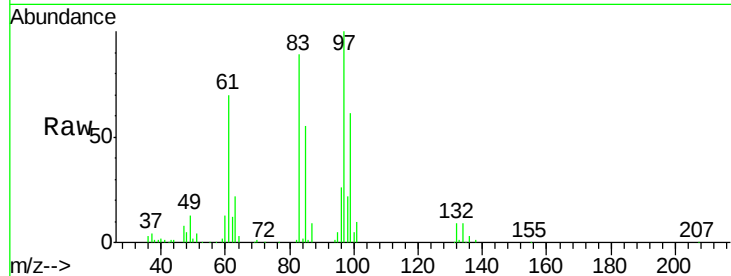
#55
 1,1,2-Trichloroethane
 Concen: 20.534 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD01

Tot Ion:	97	Resp:	38884
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.8	106.2
85	55.3	43.8	65.8
99	61.1	49.8	74.6

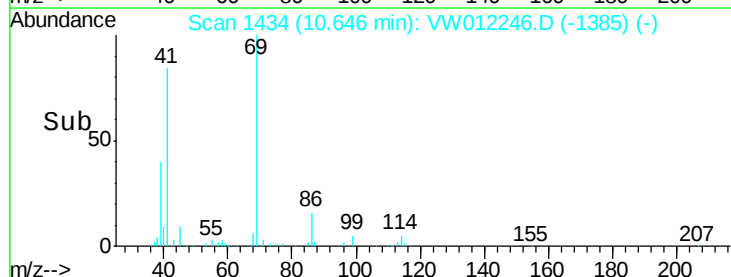
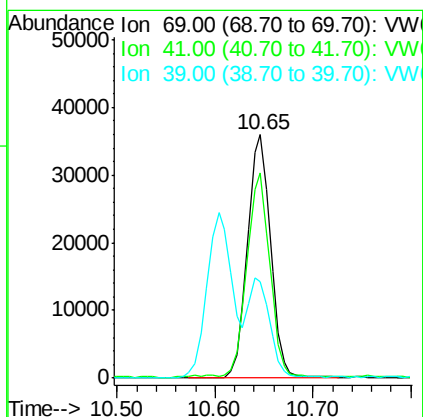
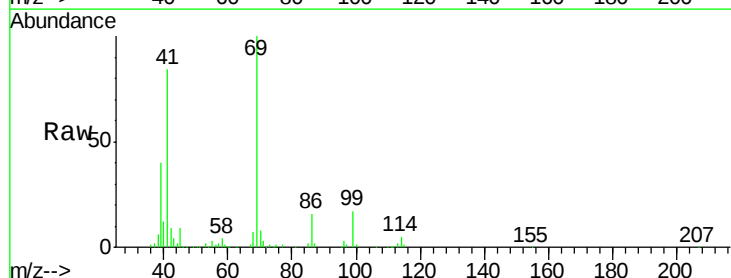
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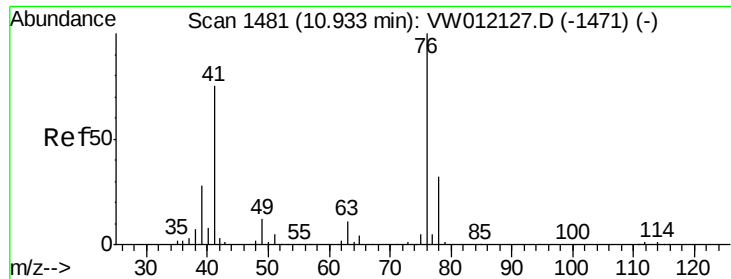
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#56
 Ethyl methacrylate
 Concen: 21.561 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion:	69	Resp:	59422
Ion	Ratio	Lower	Upper
69	100		
41	85.0	66.5	99.7
39	37.0	31.0	46.4





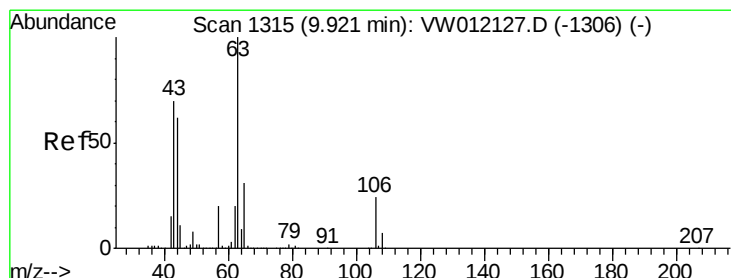
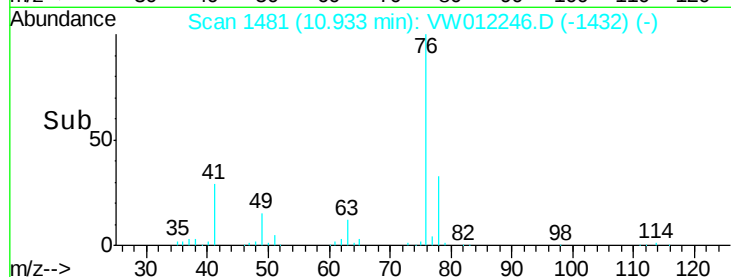
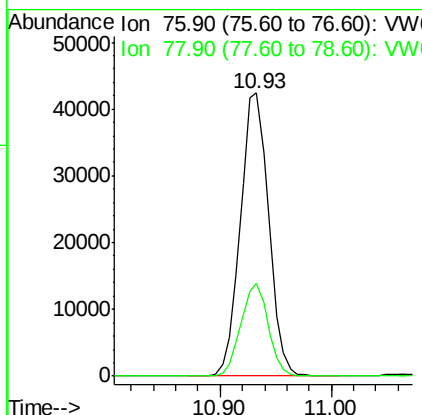
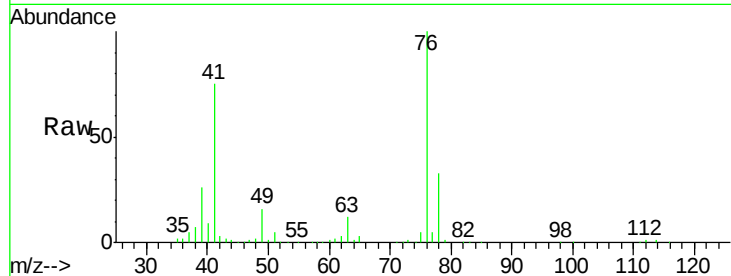
#57
 1,3-Dichloropropane
 Concen: 20.896 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.8

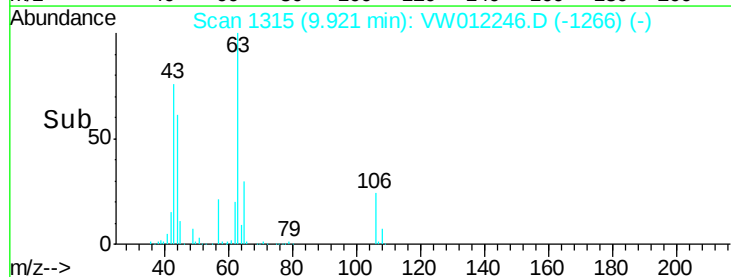
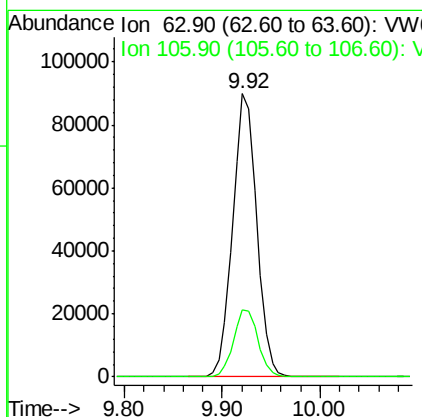
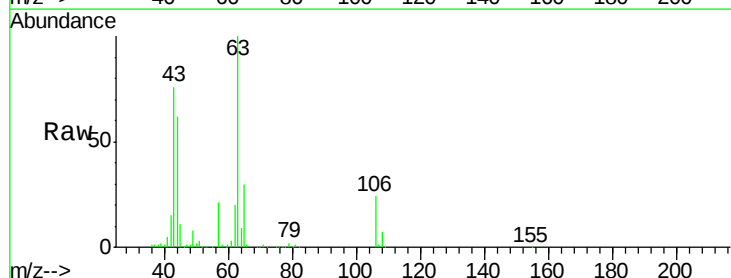
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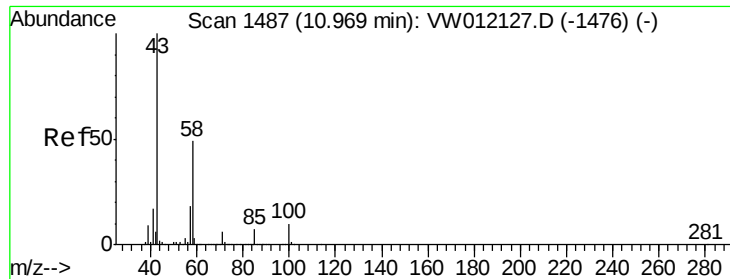
MMDadoda
 8/29/2019 9:42:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.350 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	19.8	29.8





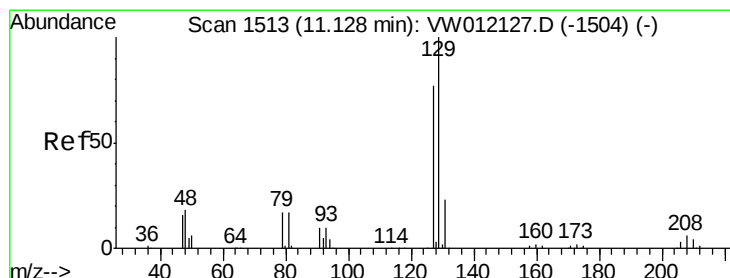
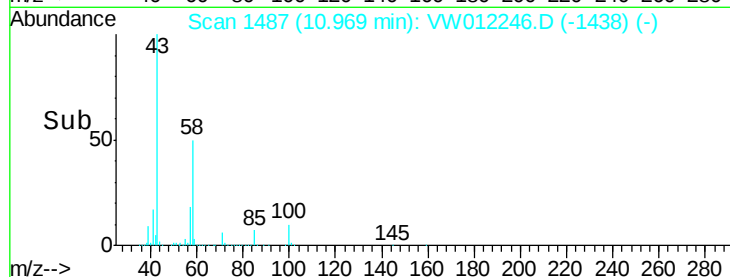
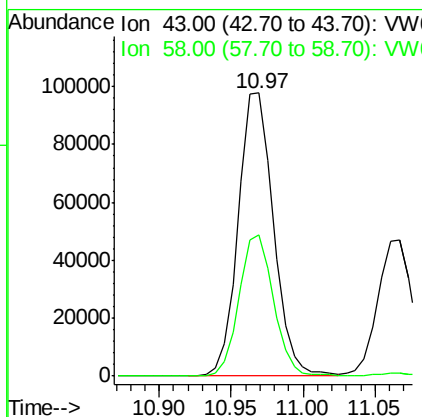
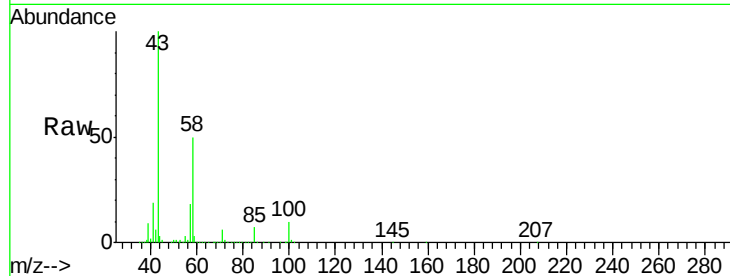
#59
2-Hexanone
Concen: 111.031 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.9	24.3	72.9

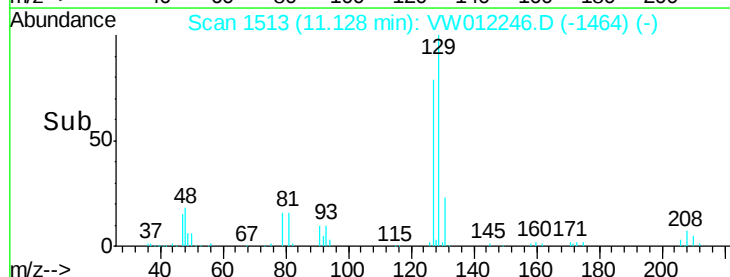
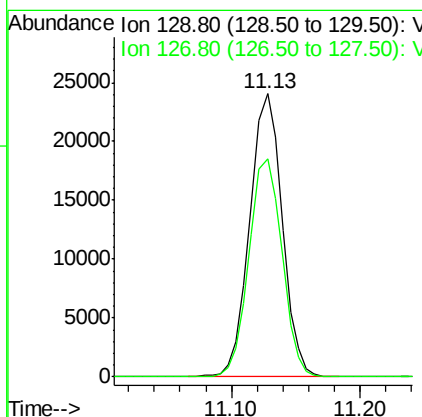
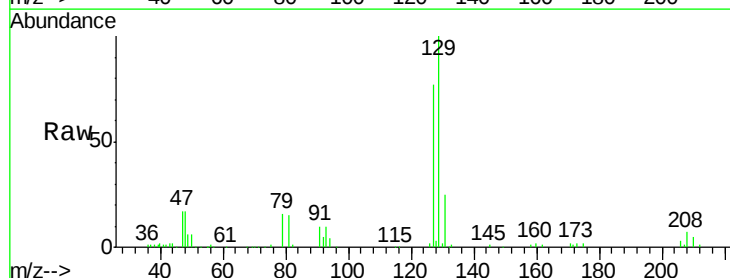
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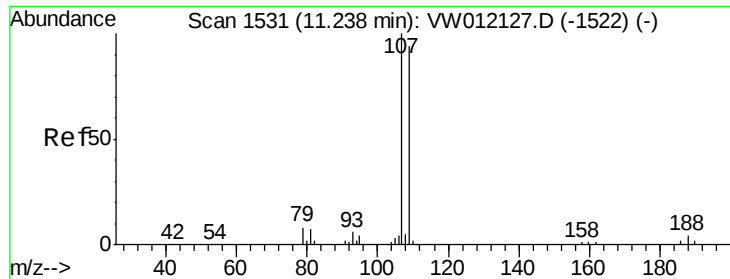
MMDadoda
8/29/2019 9:42:01 AM



#60
Dibromochloromethane
Concen: 19.842 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.8





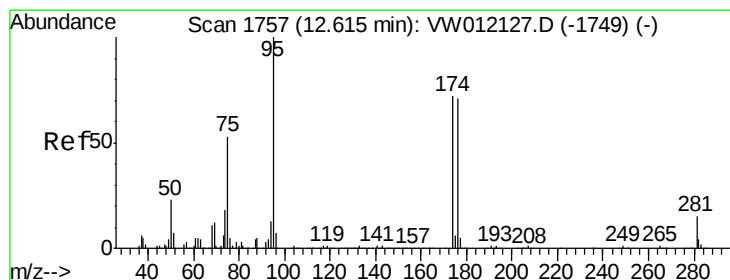
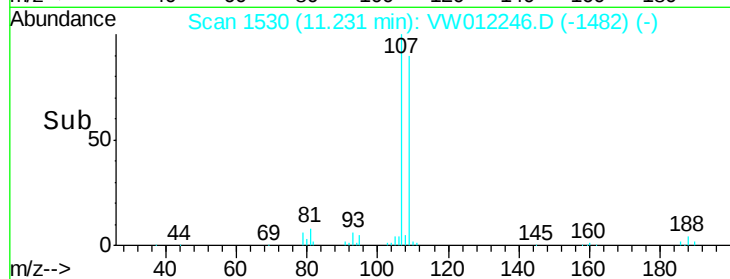
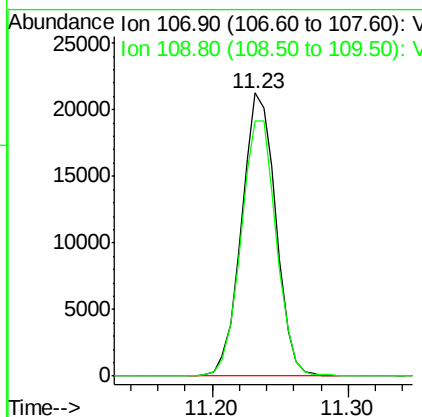
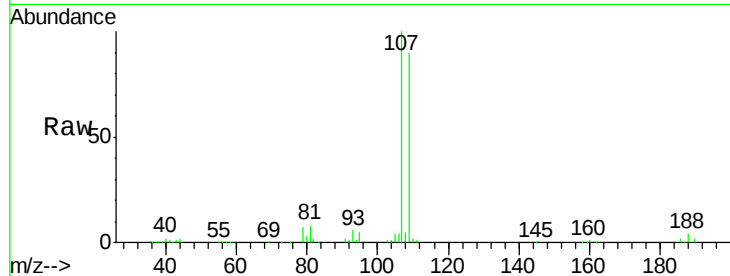
#61
 1,2-Dibromoethane
 Concen: 21.202 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.4	113.2

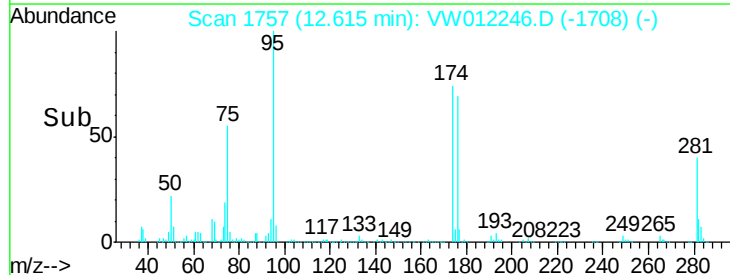
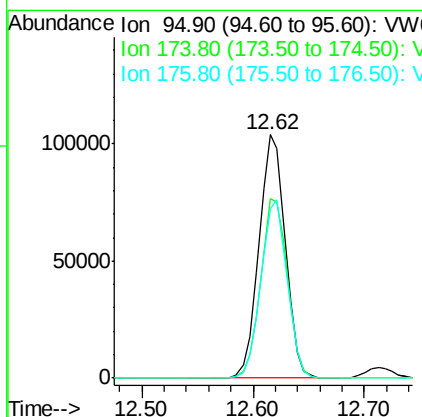
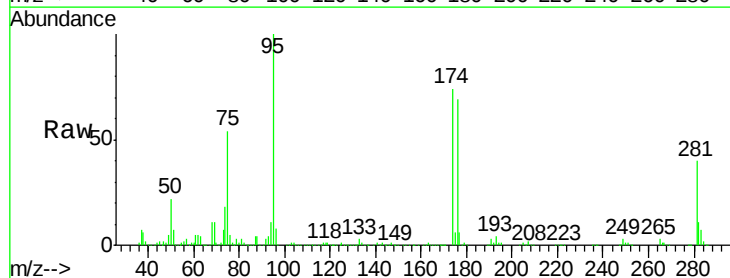
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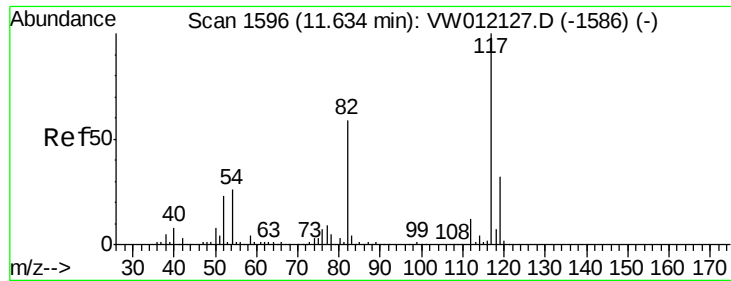
MMDadoda
 8/29/2019 9:42:01 AM



#62
 4-Bromofluorobenzene
 Concen: 50.755 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.8
176	73.0	0.0	148.6





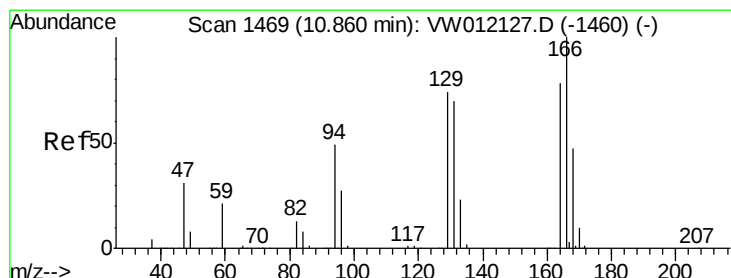
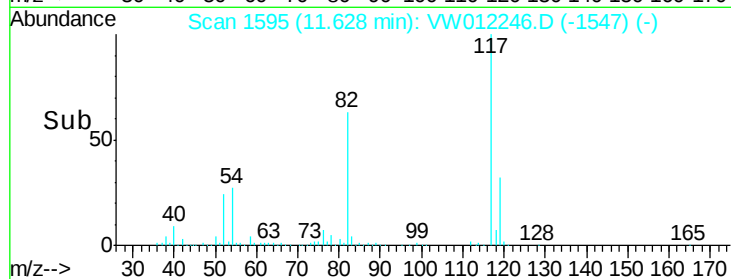
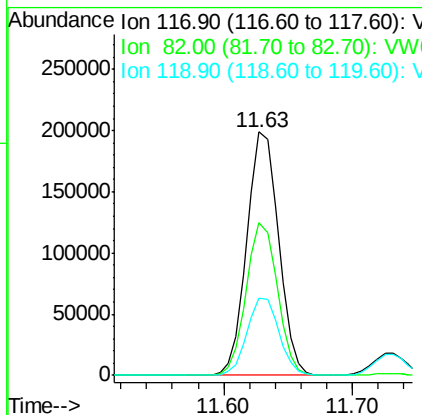
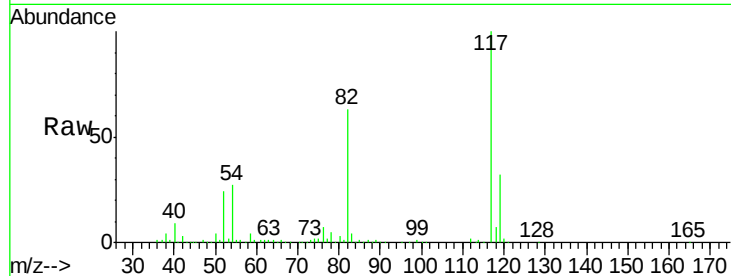
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	338464		
82	62.7	47.4	71.2	
119	31.9	25.4	38.2	

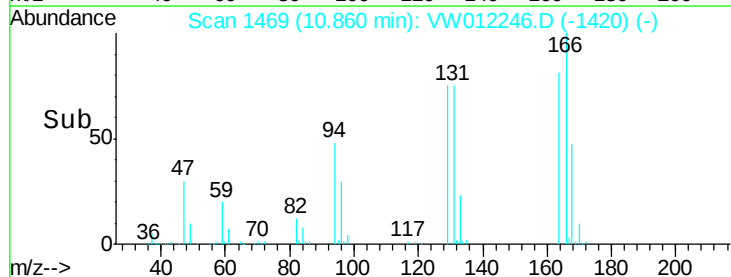
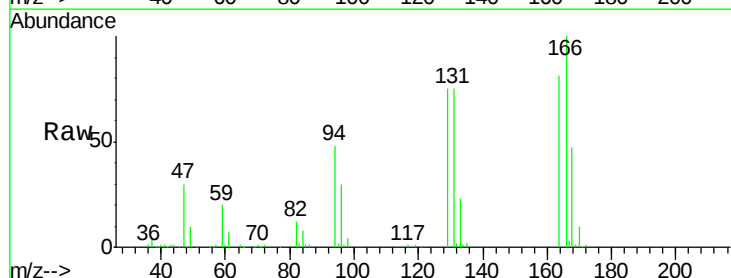
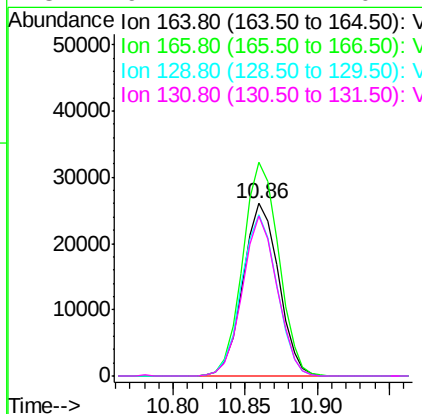
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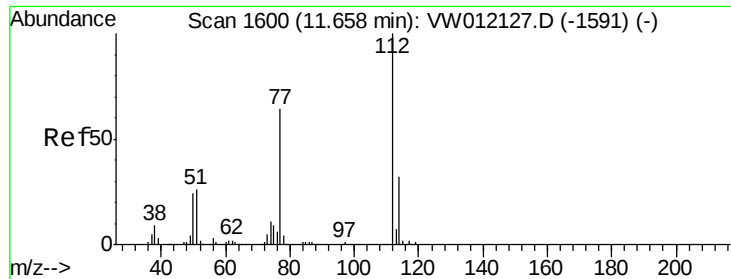
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#64
Tetrachloroethene
Concen: 20.323 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44597		
166	123.8	102.4	153.6	
129	93.2	75.8	113.6	
131	92.4	71.4	107.2	





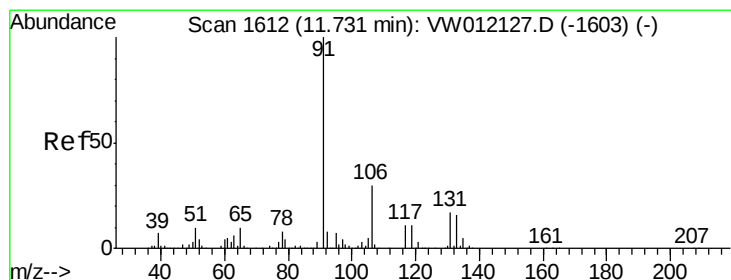
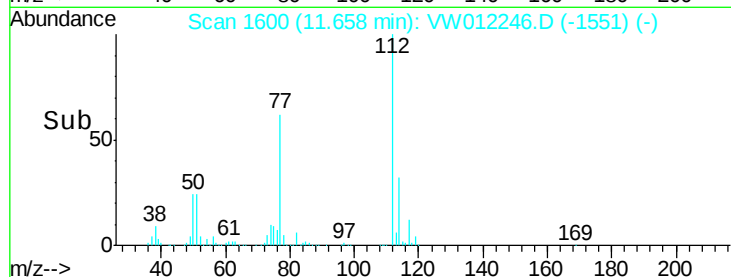
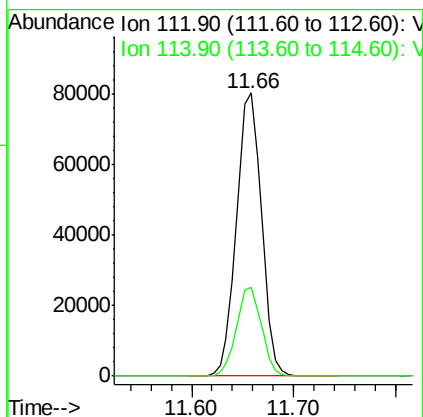
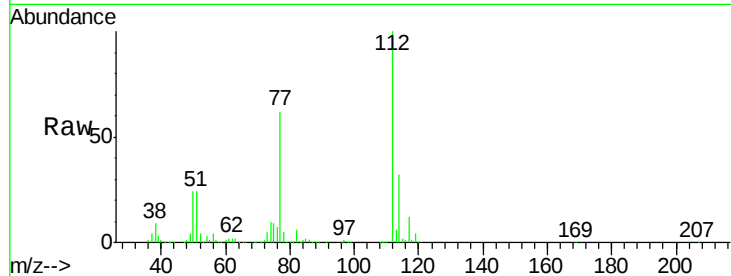
#65
Chlorobenzene
Concen: 20.446 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

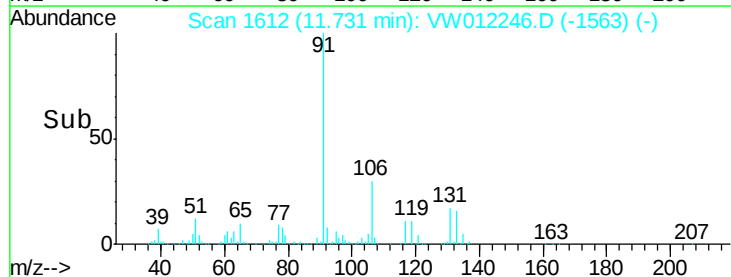
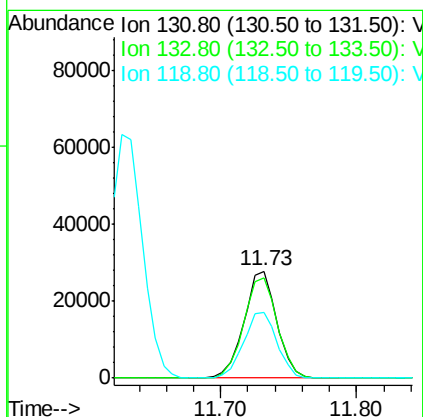
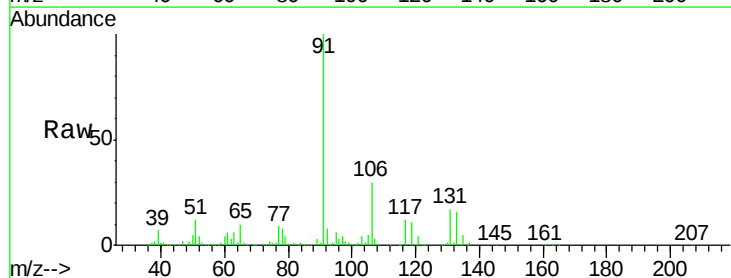
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.064 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.1	141.3
119	63.6	31.8	95.3





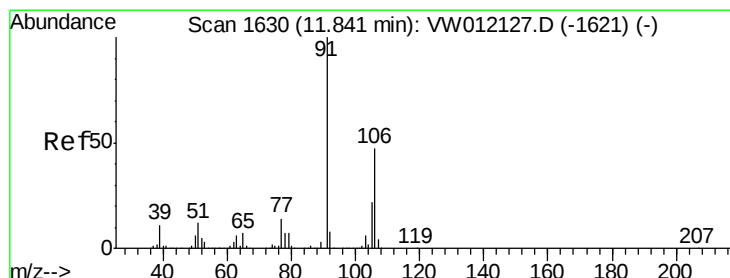
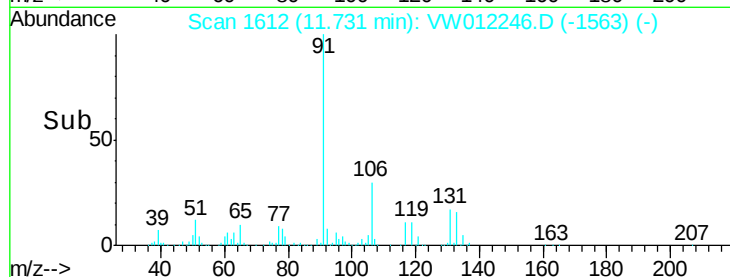
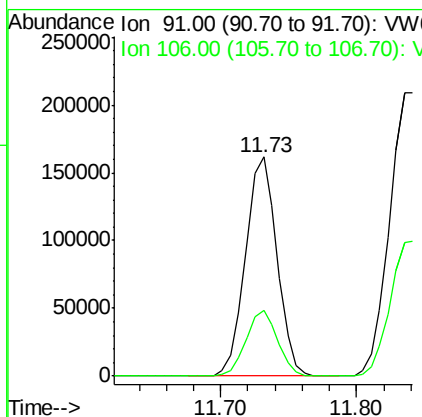
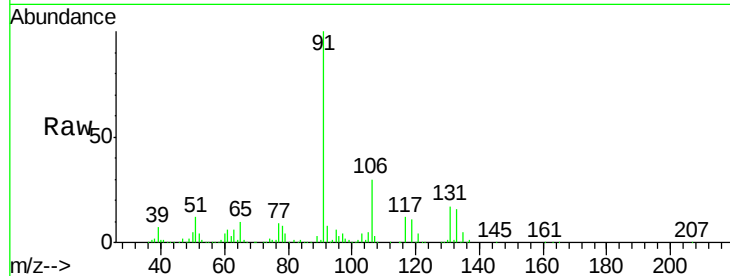
#67
Ethyl Benzene
Concen: 20.459 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

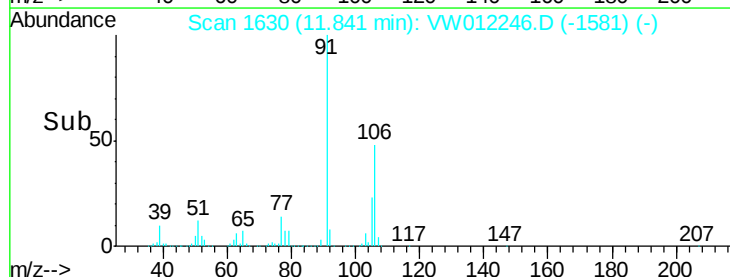
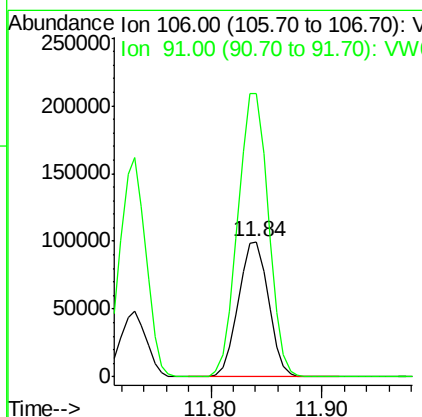
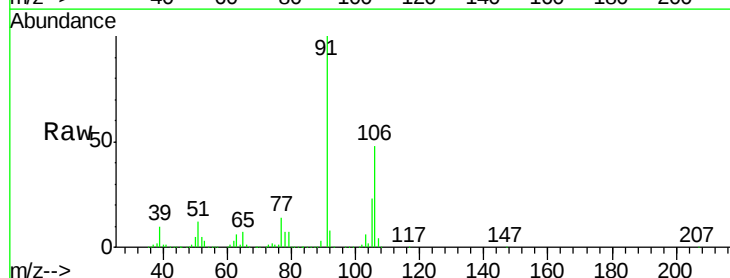
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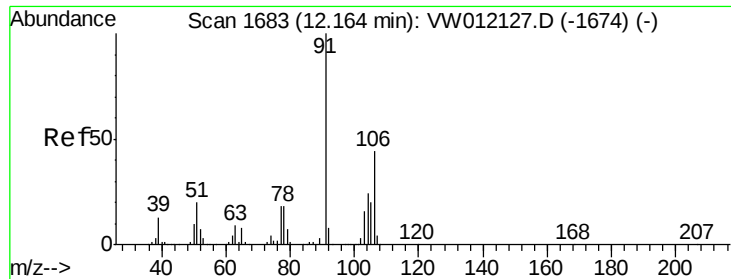
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#68
m/p-Xylenes
Concen: 40.714 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.0	169.5	254.3





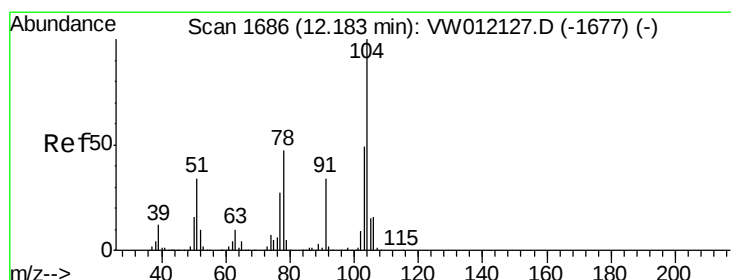
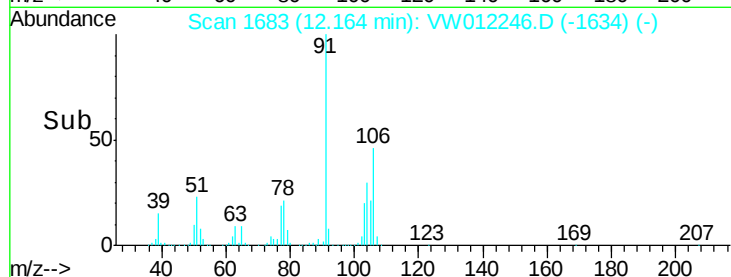
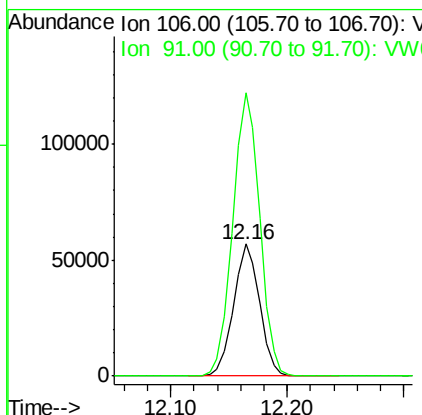
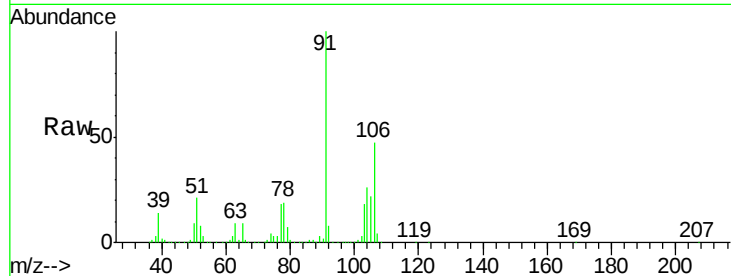
#69
o-Xylene
Concen: 20.627 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion:106 Resp: 88288
Ion Ratio Lower Upper
106 100
91 223.2 111.6 334.6

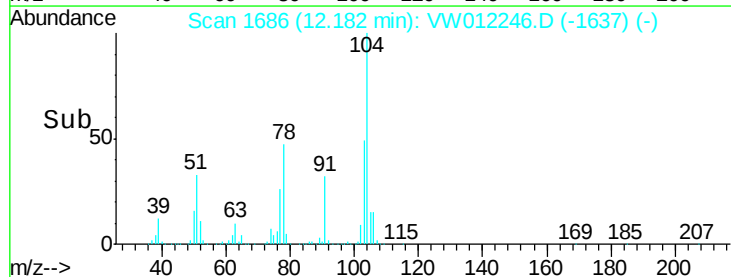
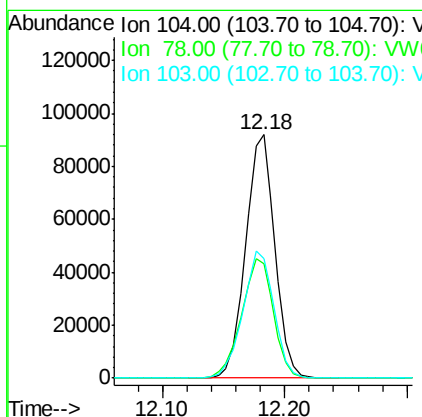
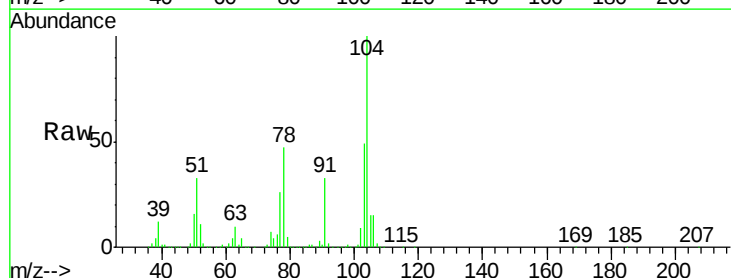
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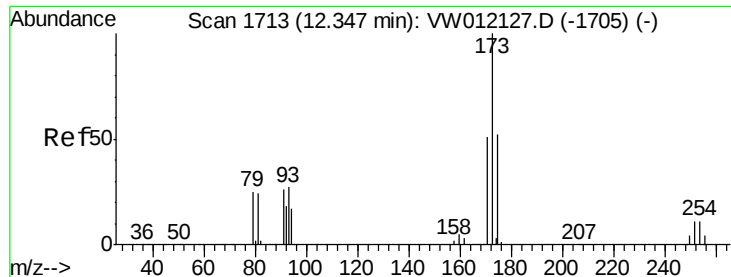
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#70
Styrene
Concen: 20.552 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion:104 Resp: 152258
Ion Ratio Lower Upper
104 100
78 53.6 43.1 64.7
103 55.7 43.5 65.3





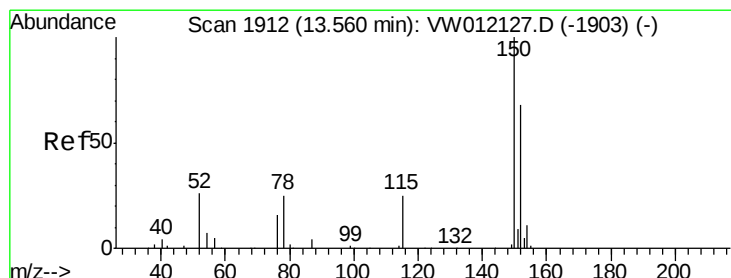
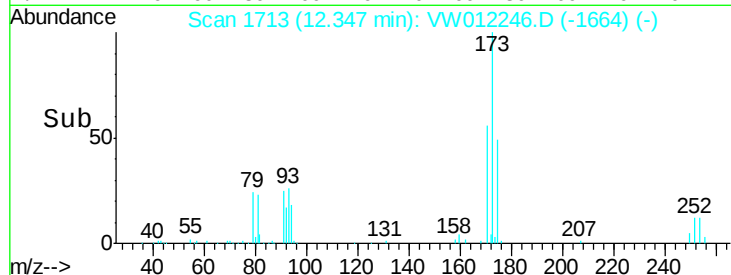
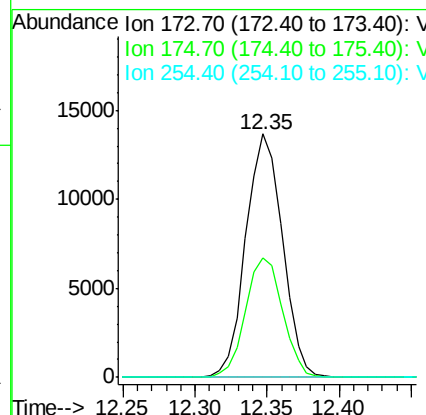
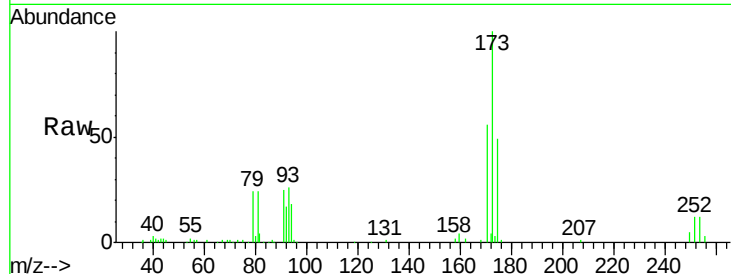
#71
Bromoform
Concen: 20.768 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	74.0
254	0.0	0.2	0.2

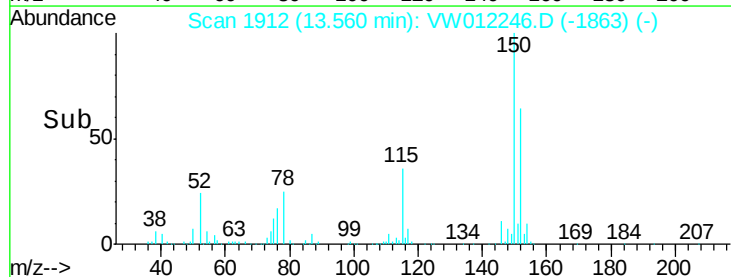
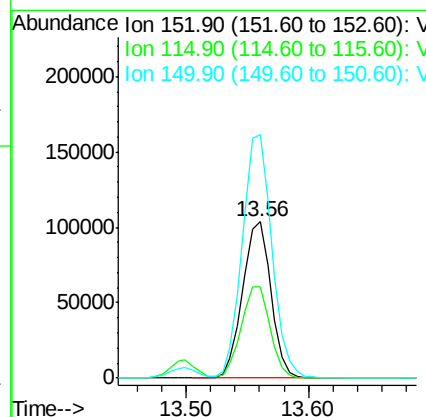
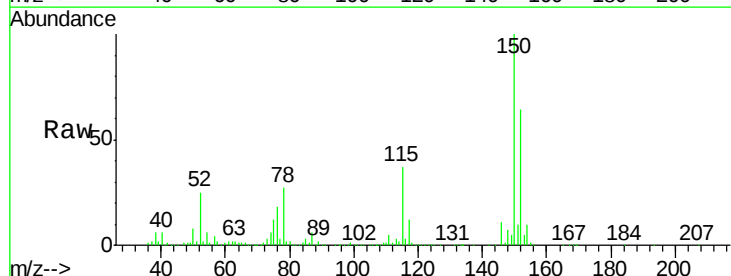
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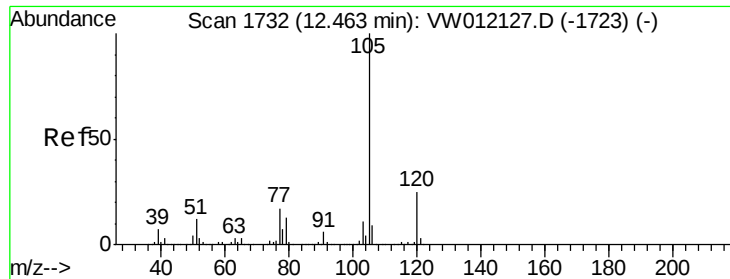
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.1	90.3
150	162.9	0.0	345.8





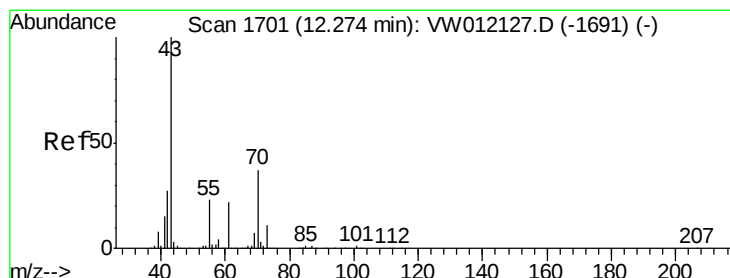
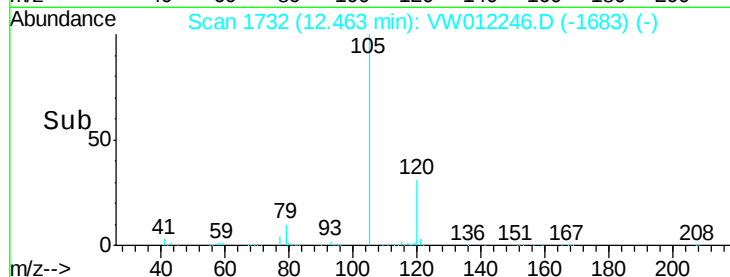
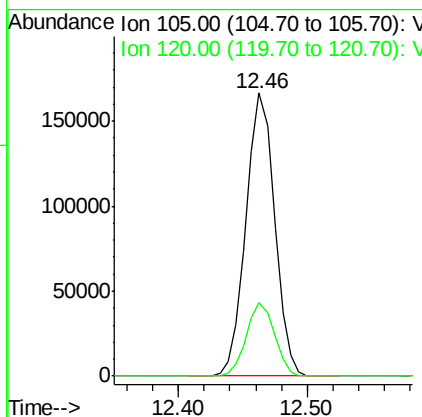
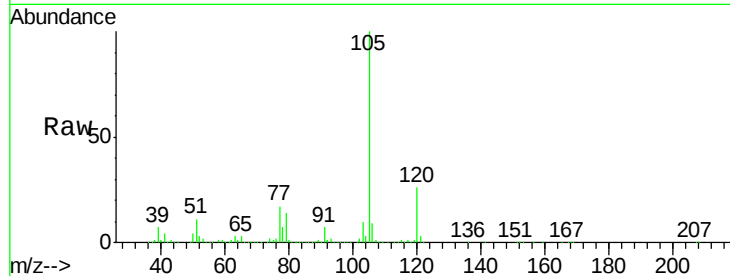
#73
Isopropylbenzene
Concen: 20.494 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	256071		
120	25.5	12.5	37.5	

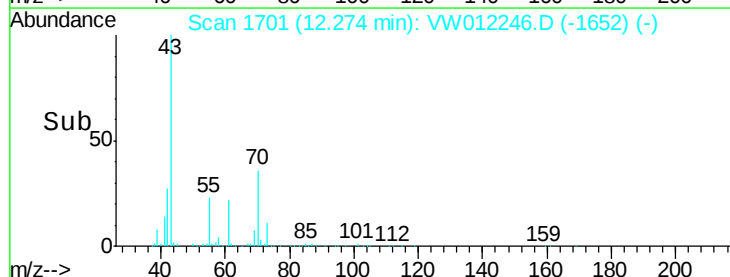
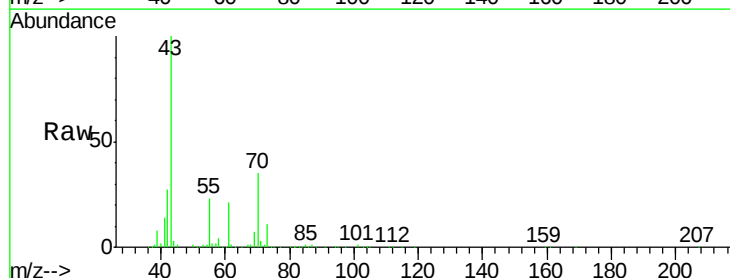
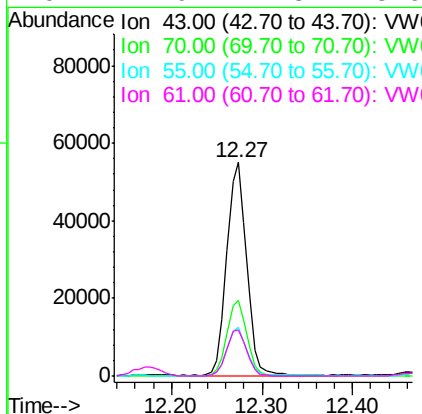
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#74
N-ethyl acetate
Concen: 22.284 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	84122		
70	35.5	28.6	43.0	
55	22.4	17.8	26.6	
61	21.9	17.3	25.9	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.060 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

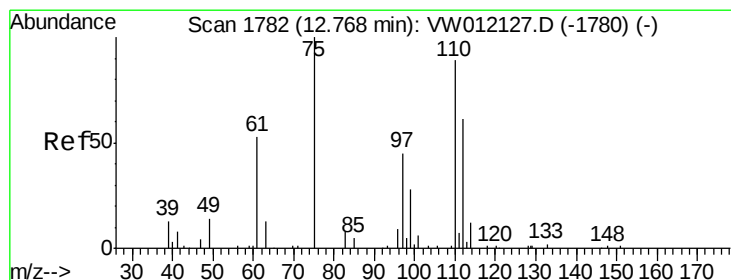
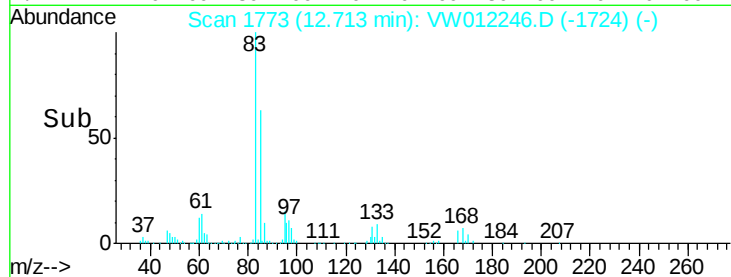
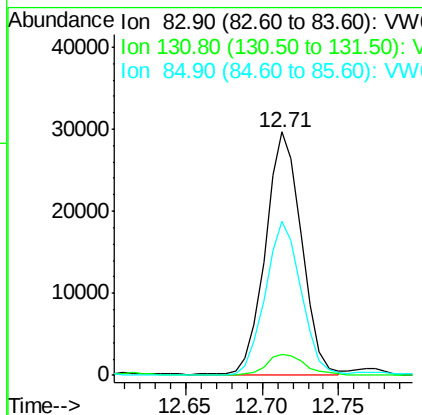
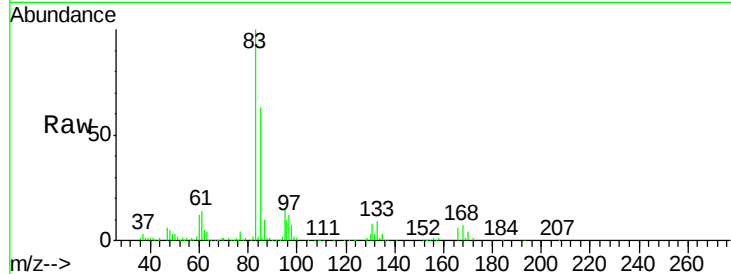
ClientSampleId :

VW0828SBS01

Tot Ion:	83	Resp:	48242
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	63.5	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 24.147 ug/l m

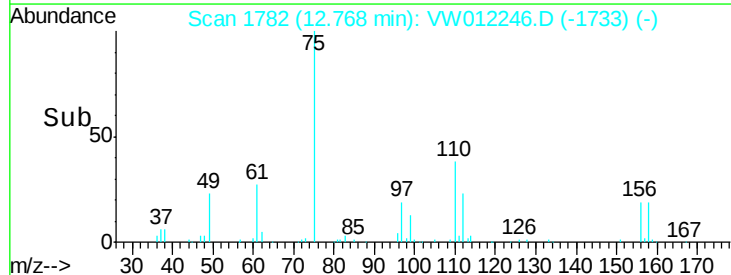
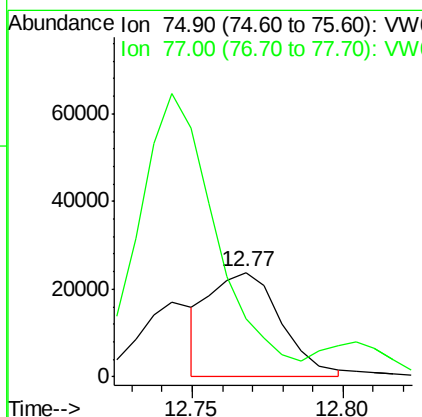
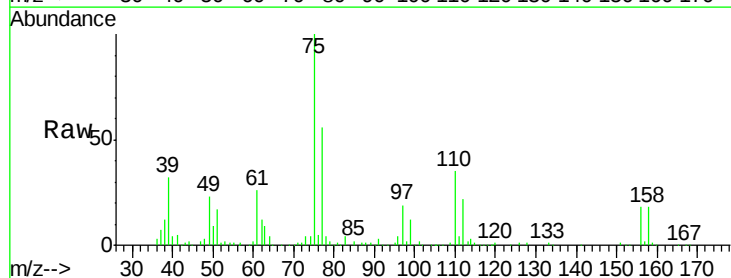
RT: 12.77 min Scan# 1782

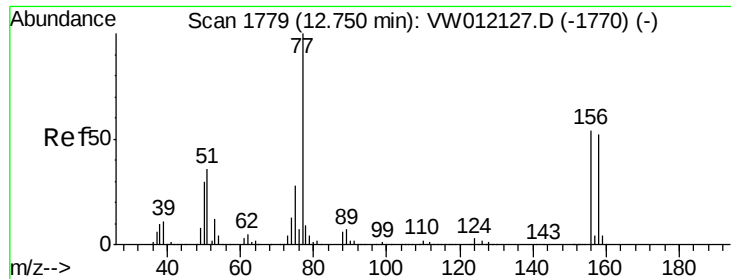
Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Tgt Ion:	75	Resp:	39215
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.219 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion:156 Resp: 54655

Ion Ratio Lower Upper

156 100

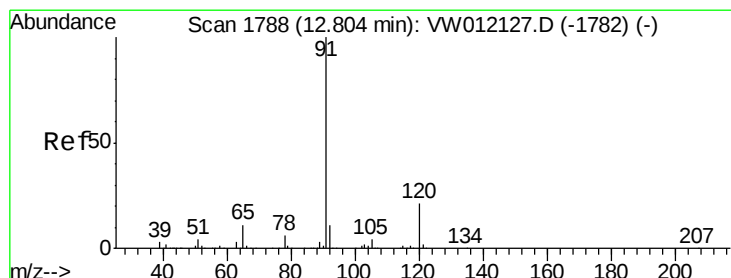
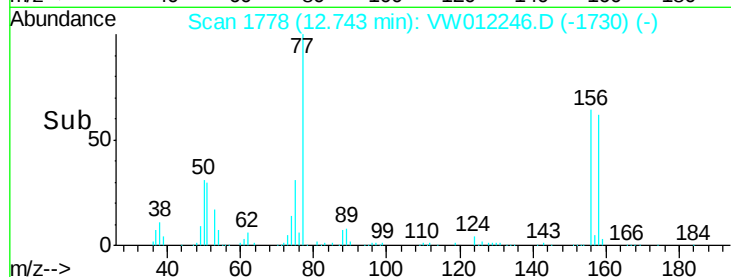
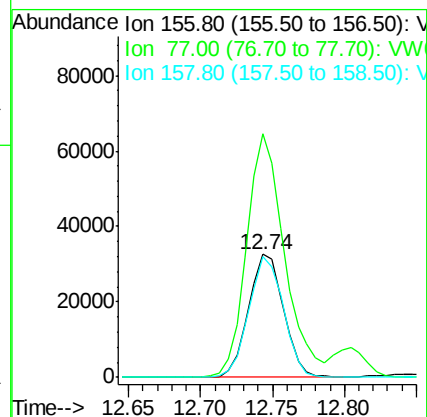
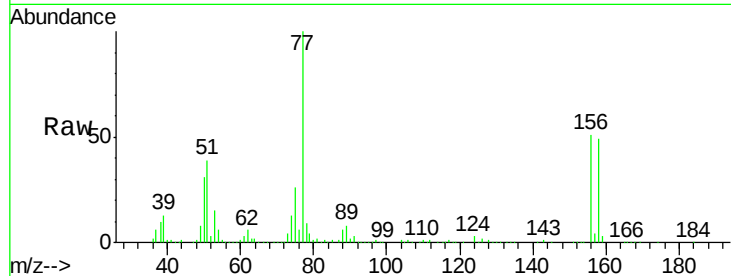
77 213.6 107.3 321.8

158 96.9 49.0 147.0

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#78

n-propylbenzene

Concen: 20.356 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012246.D

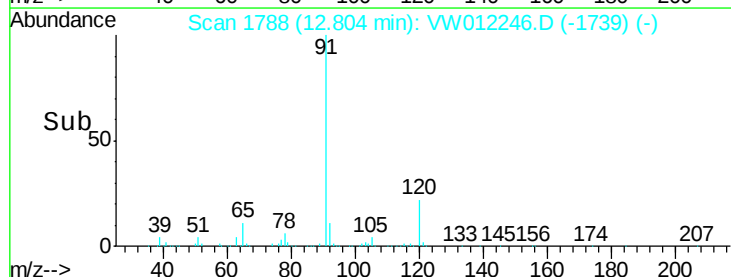
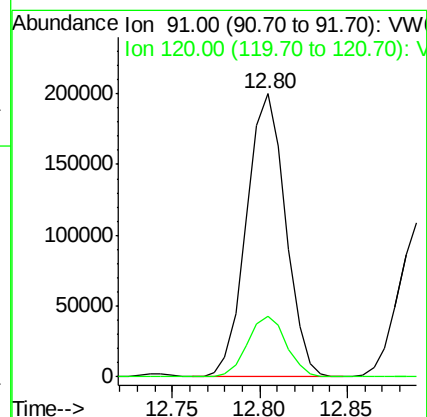
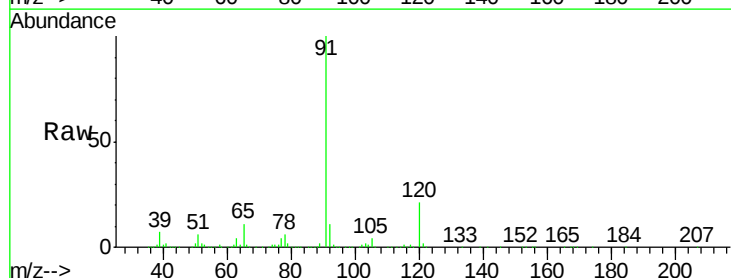
Acq: 28 Aug 2019 11:48

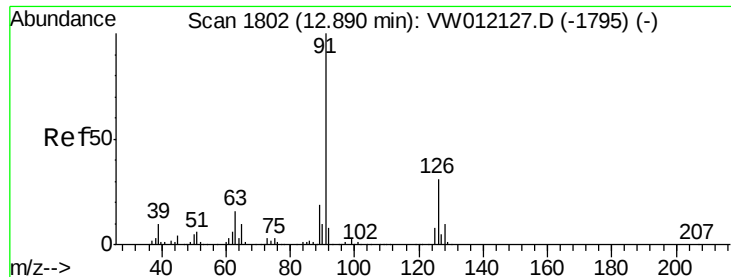
Tgt Ion: 91 Resp: 310511

Ion Ratio Lower Upper

91 100

120 21.4 10.5 31.6





#79

2-Chlorotoluene

Concen: 20.104 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 91 Resp: 174101

Ion Ratio Lower Upper

91 100

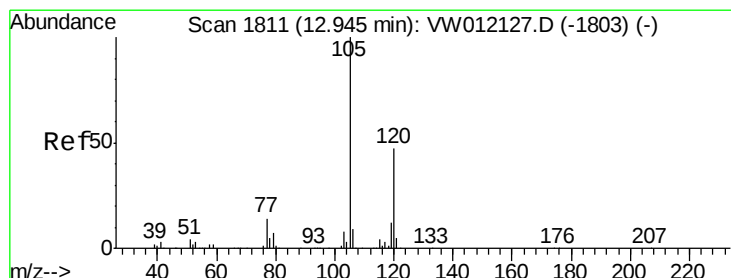
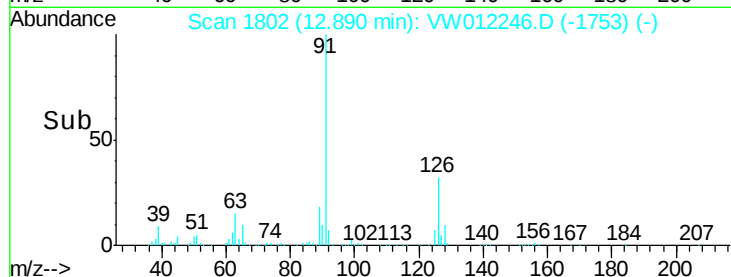
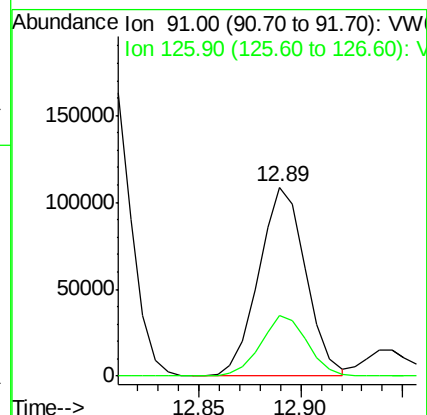
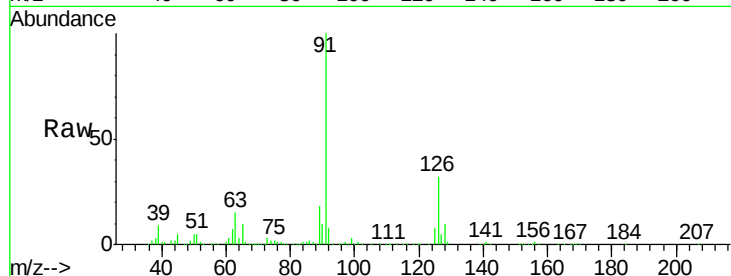
126 31.5 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.497 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012246.D

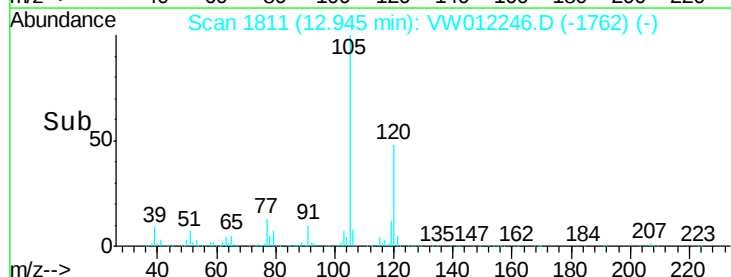
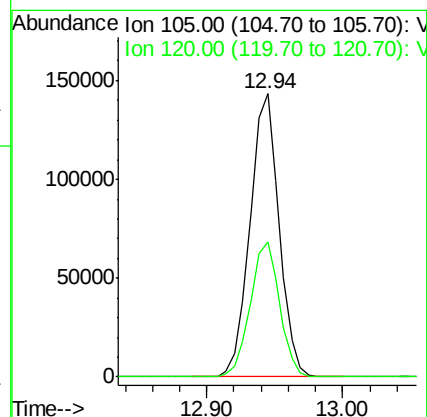
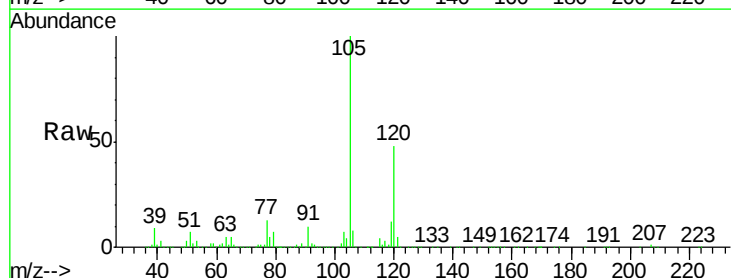
Acq: 28 Aug 2019 11:48

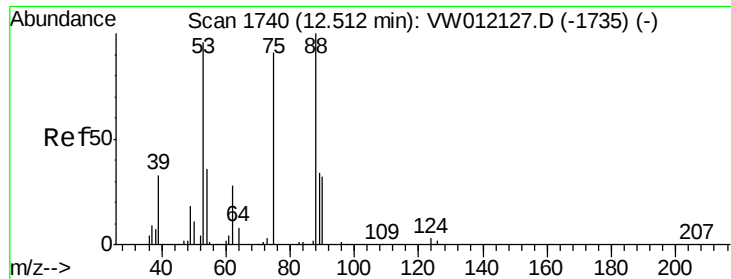
Tgt Ion:105 Resp: 213998

Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0





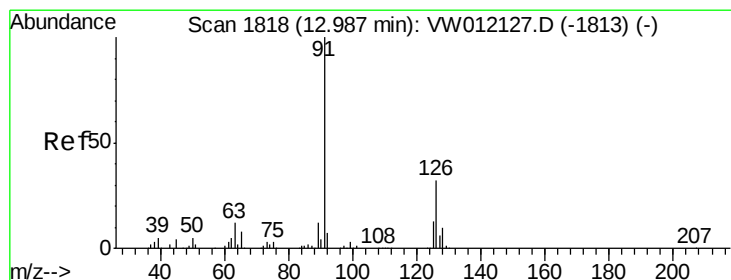
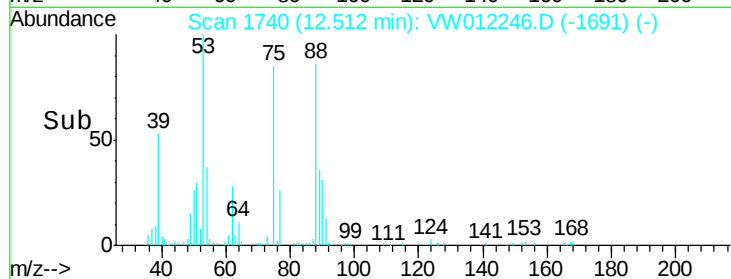
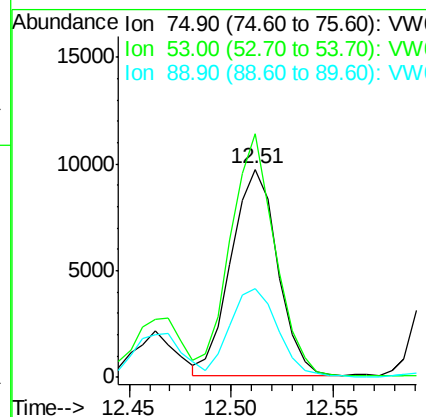
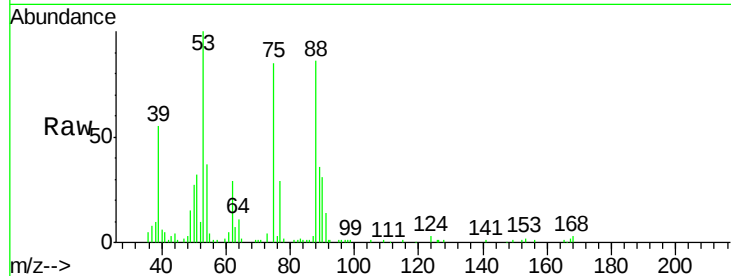
#81
trans-1,4-Dichloro-2-butene
Concen: 20.588 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.8	89.4	134.0
89	44.9	34.5	51.7

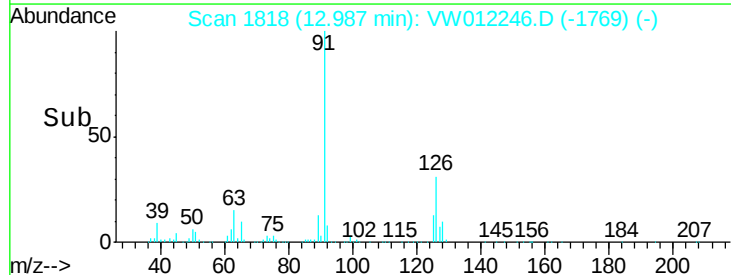
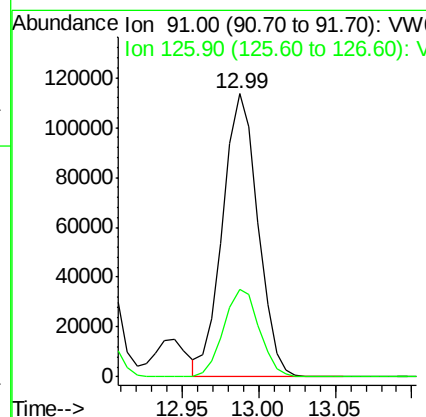
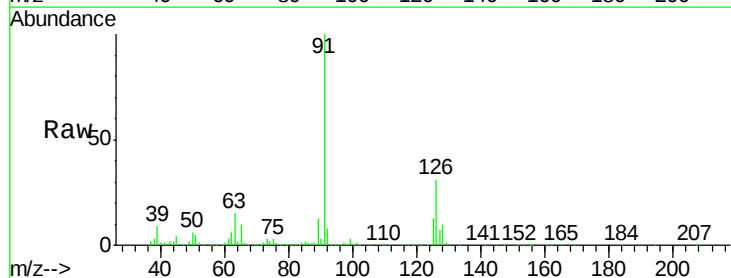
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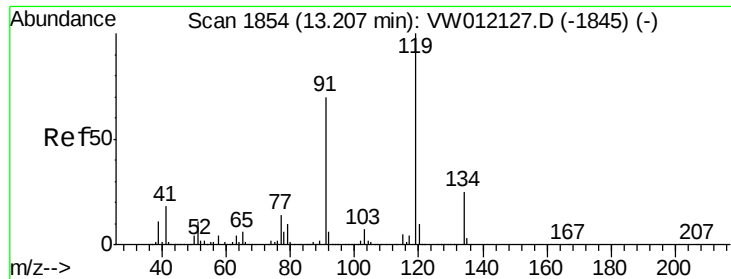
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#82
4-Chlorotoluene
Concen: 20.041 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





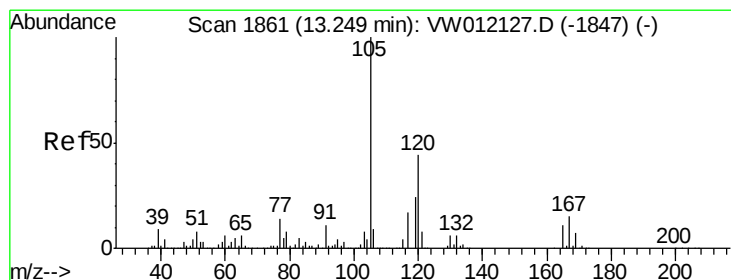
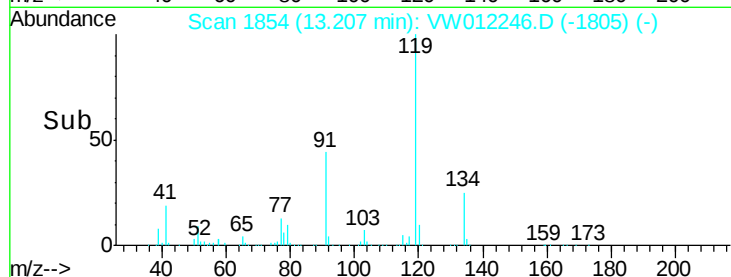
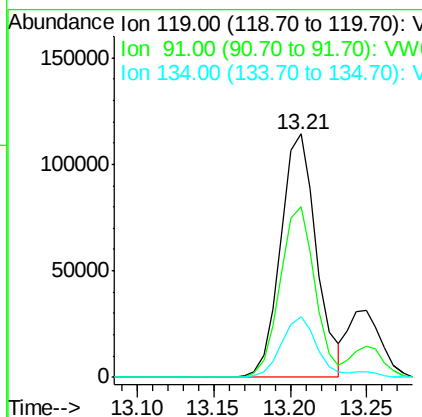
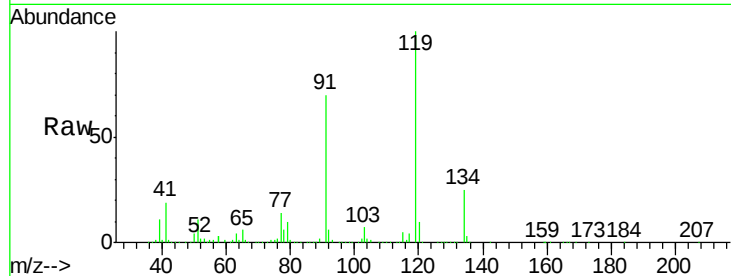
#83
tert-Butylbenzene
Concen: 20.977 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.8	104.3
134	24.5	13.3	39.8

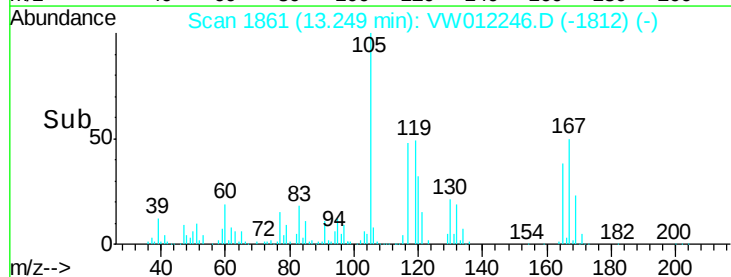
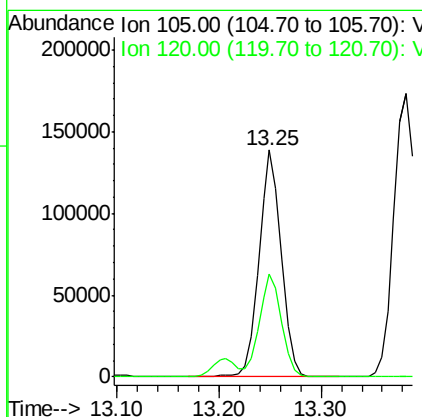
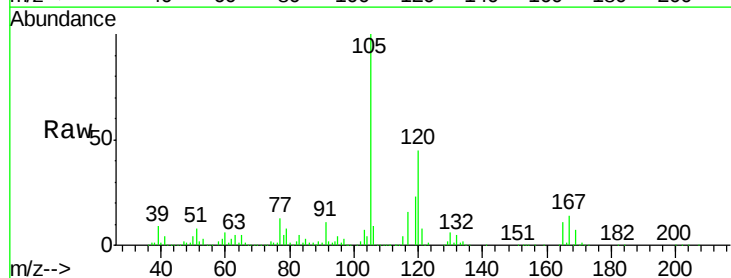
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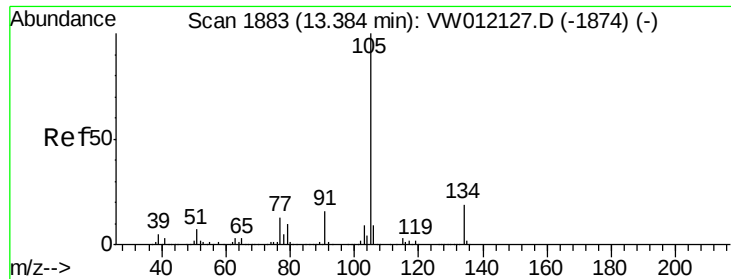
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#84
1,2,4-Trimethylbenzene
Concen: 20.139 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.9	65.7





#85

sec-Butylbenzene

Concen: 20.836 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion:105 Resp: 264009

Ion Ratio Lower Upper

105 100

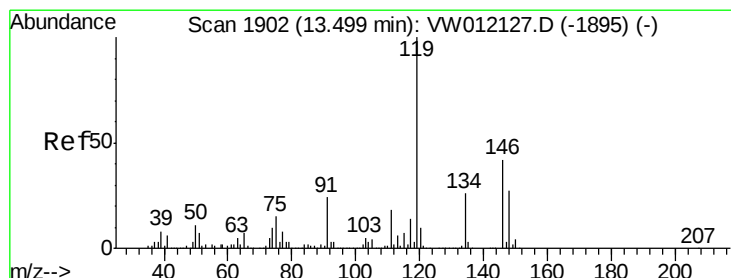
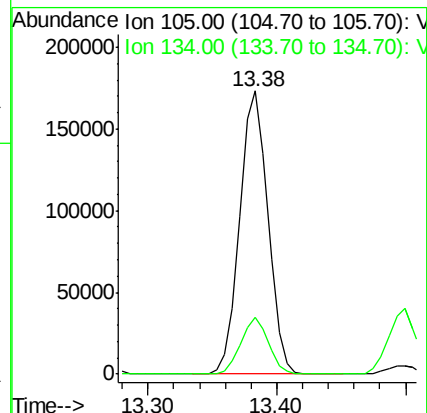
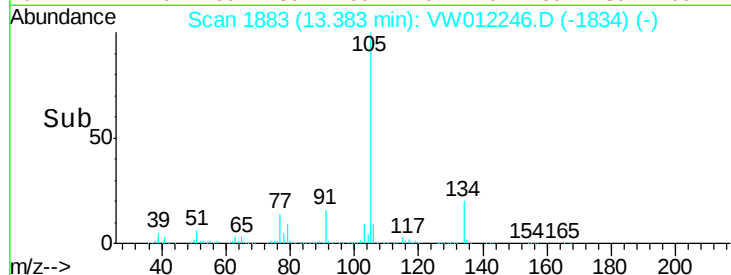
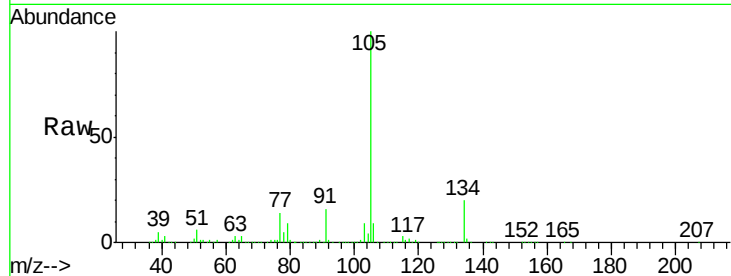
134 19.5 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 20.817 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012246.D

Acq: 28 Aug 2019 11:48

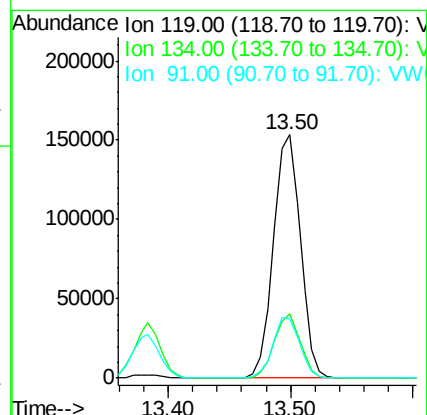
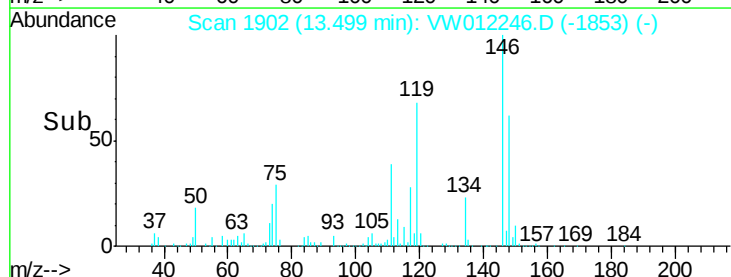
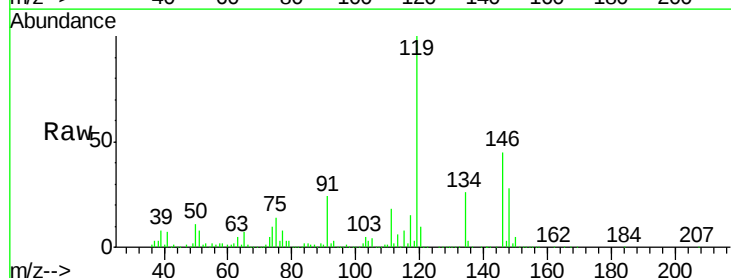
Tgt Ion:119 Resp: 235561

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.6 12.3 36.9





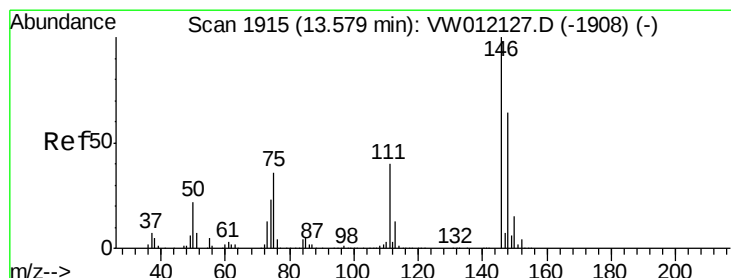
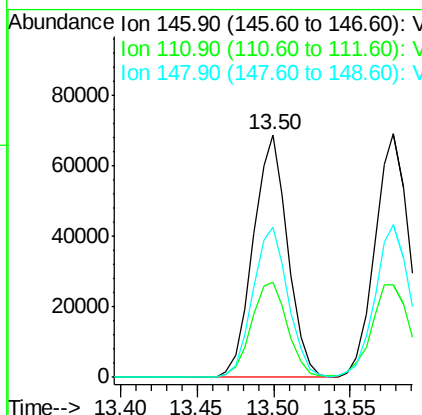
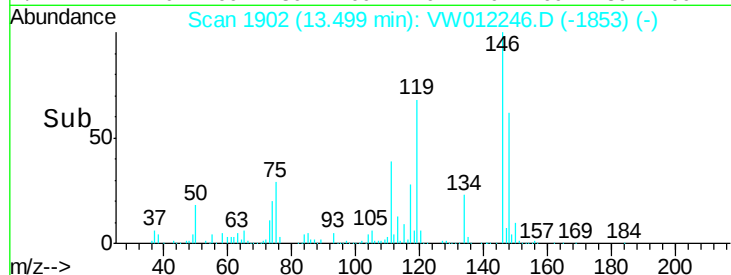
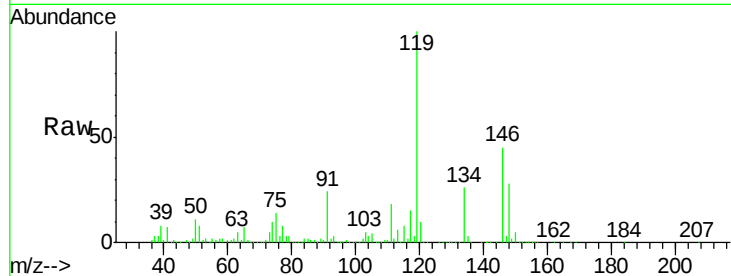
#87
 1,3-Dichlorobenzene
 Concen: 20.360 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.1	20.9	62.7	
148	63.3	32.2	96.6	

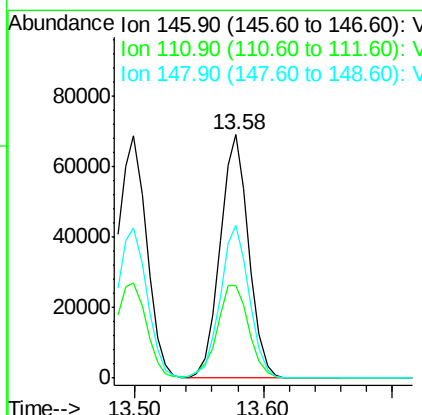
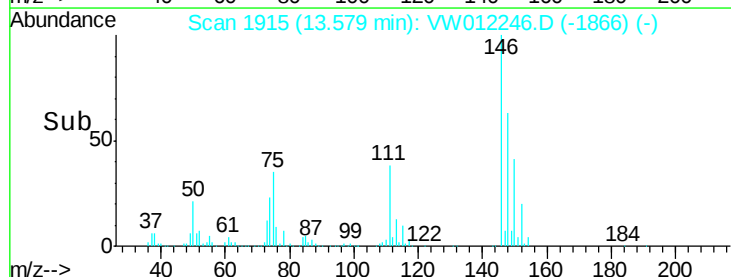
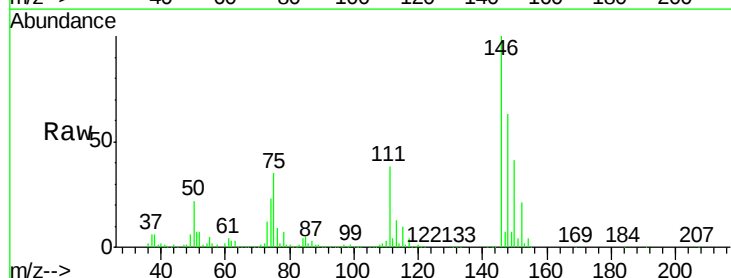
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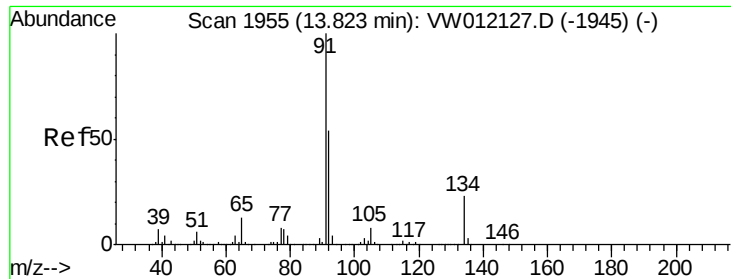
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#88
 1,4-Dichlorobenzene
 Concen: 20.503 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.4	20.0	60.0	
148	63.7	32.1	96.3	





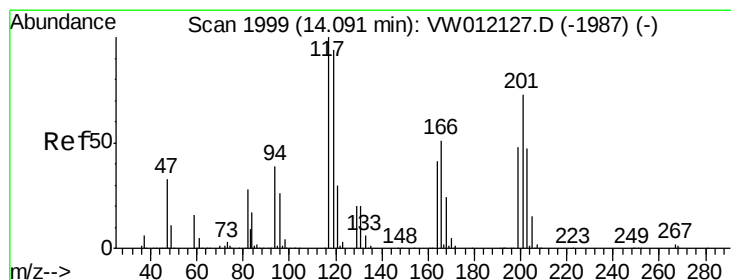
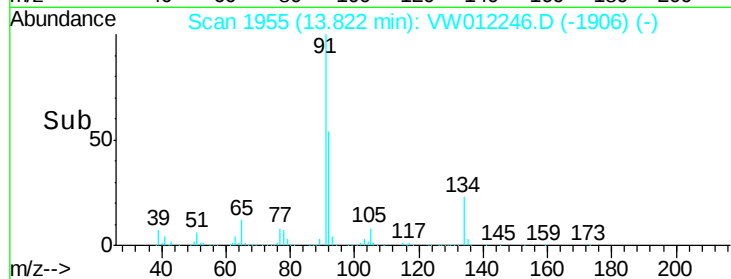
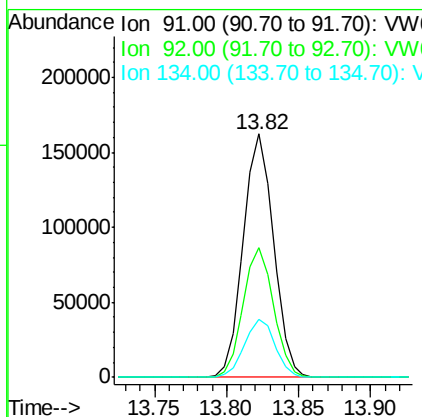
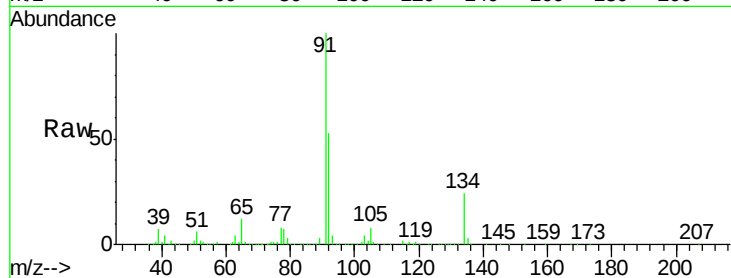
#89
n-Butylbenzene
Concen: 21.091 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.1	81.2
134	24.3	12.2	36.4

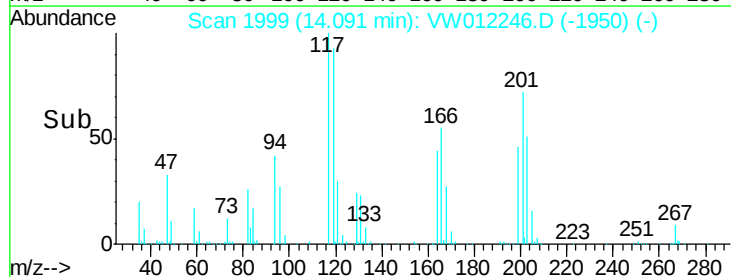
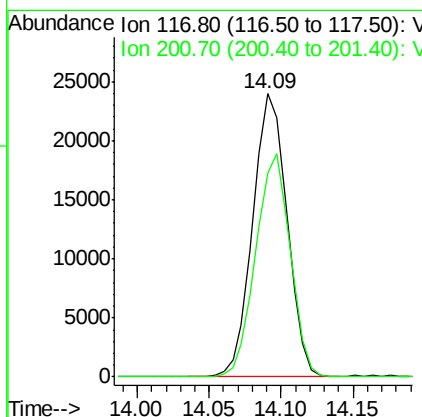
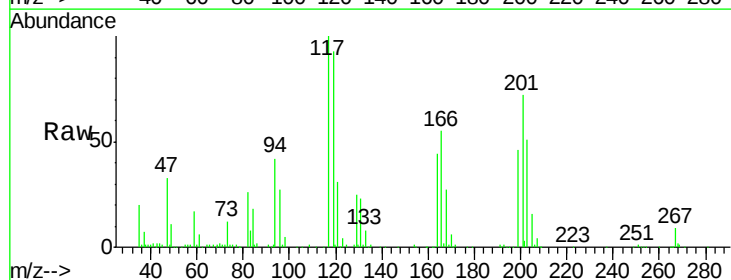
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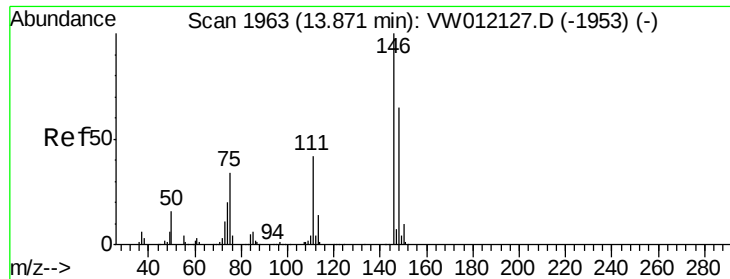
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#90
Hexachloroethane
Concen: 19.854 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	38.6	115.7





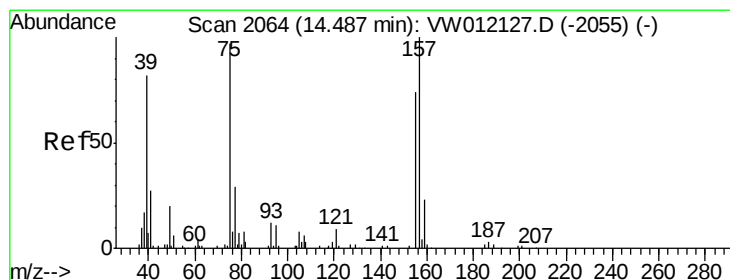
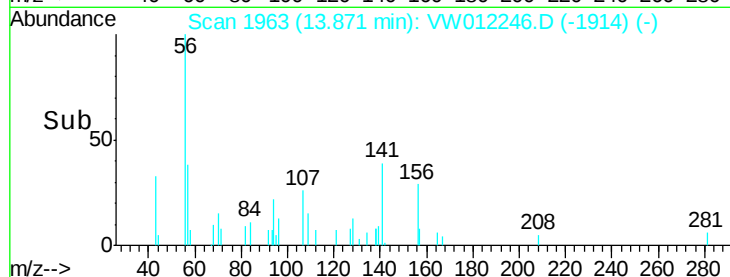
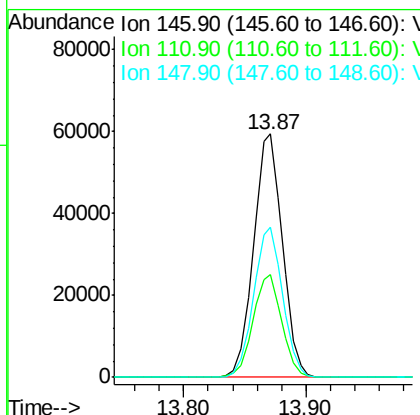
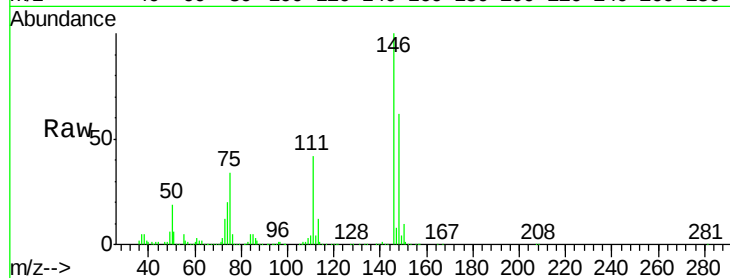
#91
 1,2-Dichlorobenzene
 Concen: 21.023 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	62.3	32.5	97.4

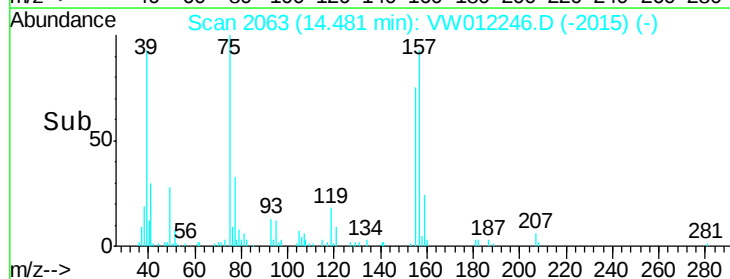
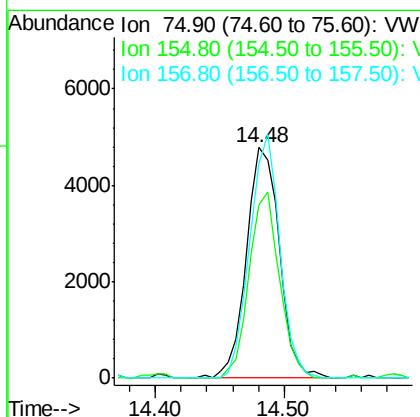
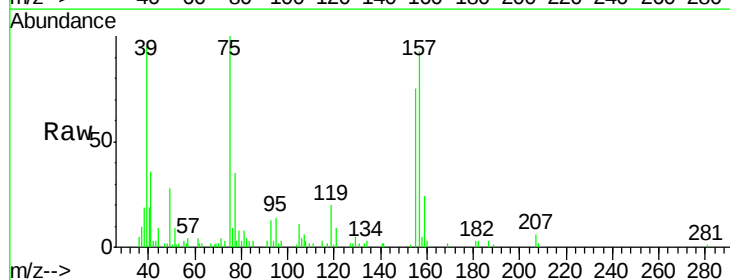
Manual Integrations
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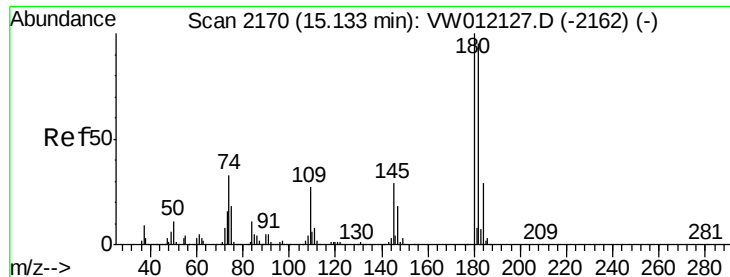
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 8/29/2019 9:42:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.843 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	37.5	112.3
157	96.1	50.5	151.5





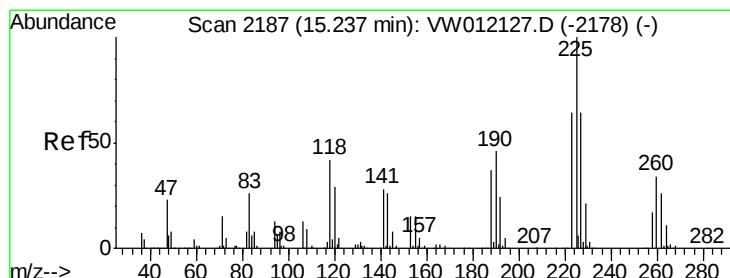
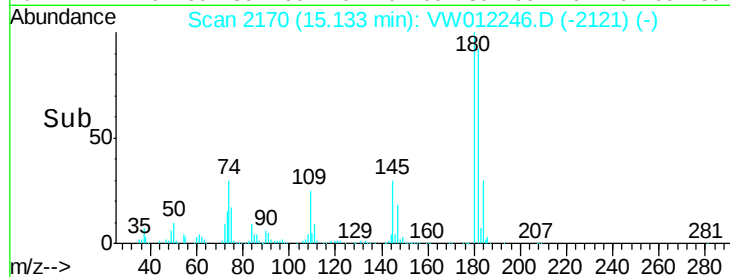
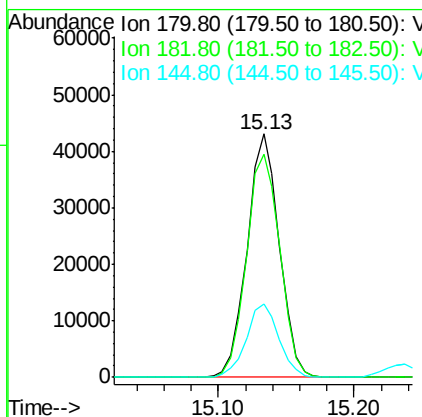
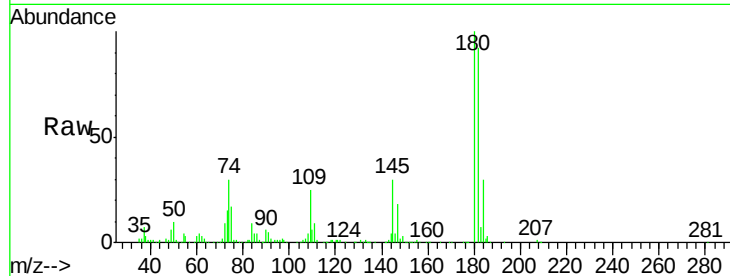
#93
 1,2,4-Trichlorobenzene
 Concen: 22.278 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	71410		
182	95.1	47.8	143.4	
145	30.7	15.0	45.1	

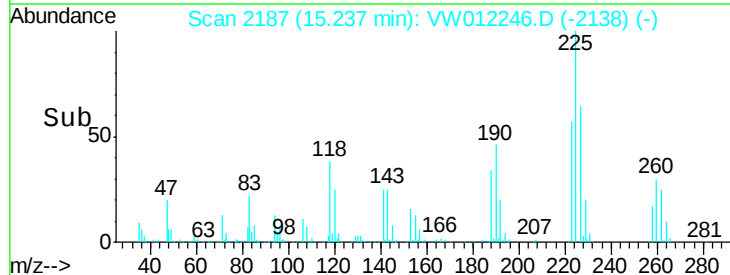
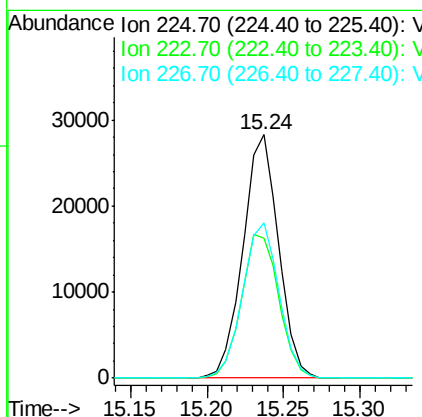
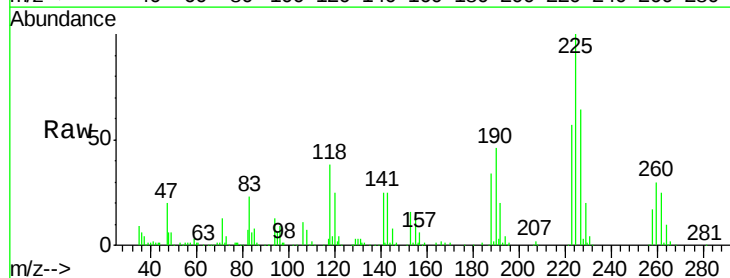
Manual Integrations
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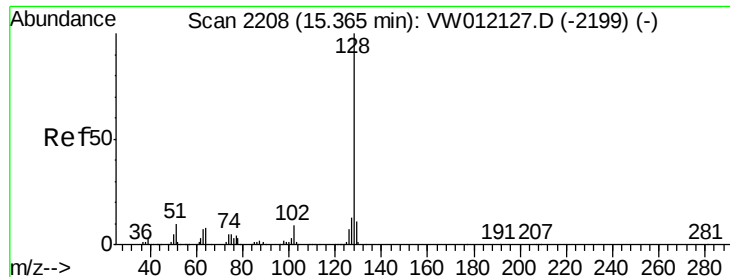
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#94
 Hexachlorobutadiene
 Concen: 21.524 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012246.D
 Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45556		
223	62.5	32.3	96.8	
227	65.2	32.9	98.6	





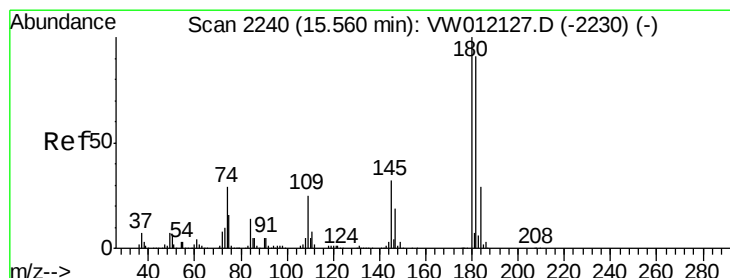
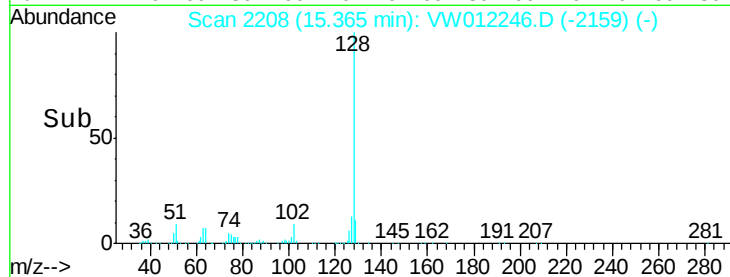
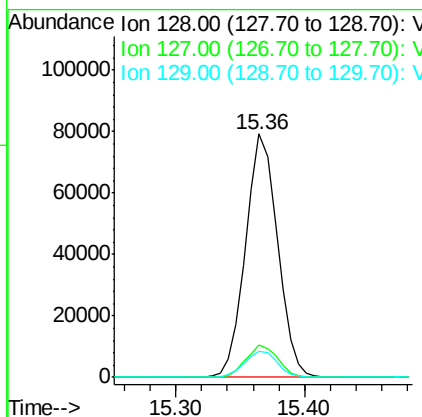
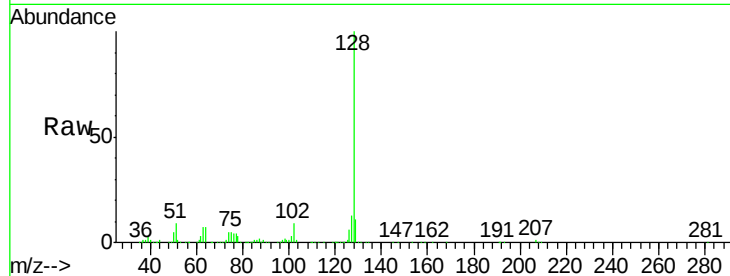
#95
Naphthalene
Concen: 24.024 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	135648		
127	13.3	10.7	16.1	
129	11.2	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
8/29/2019 9:42:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.413 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012246.D
Acq: 28 Aug 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	62679		
182	93.4	47.1	141.3	
145	31.7	16.2	48.5	

