

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012245.D
 Acq On : 28 Aug 2019 11:22
 Operator : SY/VA
 Sample : VW0828SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:41:56 AM

Quant Time: Aug 28 17:35:35 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	260310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	171889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	140443	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
35) Dibromofluoromethane	7.88	113	116729	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.32	98	483517	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.62	95	170132	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26924	16.798	ug/l	96
3) Chloromethane	2.21	50	47694	19.206	ug/l	100
4) Vinyl Chloride	2.36	62	56974	18.745	ug/l	100
5) Bromomethane	2.71	94	21677	14.083	ug/l	94
6) Chloroethane	2.87	64	32310	18.844	ug/l	95
7) Trichlorofluoromethane	3.23	101	30753	20.151	ug/l	99
8) Diethyl Ether	3.67	74	26619	18.375	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	48519	18.703	ug/l	98
10) Methyl Iodide	4.26	142	64501	18.376	ug/l	99
11) Tert butyl alcohol	5.17	59	24357	130.795	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	49240	18.858	ug/l	95
13) Acrolein	3.88	56	15794	90.100	ug/l	99
14) Allyl chloride	4.65	41	106085	19.005	ug/l	98
15) Acrylonitrile	5.35	53	69640	96.988	ug/l	99
16) Acetone	4.11	43	70885	89.614	ug/l	99
17) Carbon Disulfide	4.37	76	123374	15.635	ug/l	100
18) Methyl Acetate	4.66	43	38858	19.834	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	85088	20.151	ug/l	100
20) Methylene Chloride	4.90	84	58478	19.556	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	51770	18.490	ug/l	98
22) Diisopropyl ether	6.31	45	205537	19.865	ug/l	96
23) Vinyl Acetate	6.24	43	600669	94.333	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107398	19.064	ug/l	99
25) 2-Butanone	7.17	43	100842	93.816	ug/l	99
26) 2,2-Dichloropropane	7.16	77	63125	19.796	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	58430	19.532	ug/l	100
28) Bromochloromethane	7.51	49	48335	19.685	ug/l	97
29) Tetrahydrofuran	7.52	42	63604	98.628	ug/l	99
30) Chloroform	7.67	83	98488	19.108	ug/l	98
31) Cyclohexane	7.95	56	102574	18.403	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	78351	19.216	ug/l	99
36) 1,1-Dichloropropene	8.07	75	80499	19.109	ug/l	98
37) Ethyl Acetate	7.25	43	44435	19.248	ug/l	100
38) Carbon Tetrachloride	8.06	117	69466	19.052	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90872	19.201	ug/l	98
40) Benzene	8.32	78	225347	19.590	ug/l	100
41) Methacrylonitrile	7.48	41	29272	21.575	ug/l	94
42) 1,2-Dichloroethane	8.40	62	70143	19.456	ug/l	98
43) Isopropyl Acetate	8.42	43	82475	19.288	ug/l	98
44) Trichloroethene	9.09	130	54765	19.584	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60672	19.598	ug/l	98
46) Dibromomethane	9.46	93	26299	19.093	ug/l	98
47) Bromodichloromethane	9.64	83	69382	18.926	ug/l	98
48) Methyl methacrylate	9.43	41	39120	19.222	ug/l	95
49) 1,4-Dioxane	9.45	88	8081	383.225	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	215995	99.311	ug/l	99
52) Toluene	10.38	92	137806	19.942	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72698	19.468	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86929	19.280	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39719	20.381	ug/l	98
56) Ethyl methacrylate	10.65	69	56634	19.967	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73050	19.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	137632	94.546	ug/l	100
59) 2-Hexanone	10.97	43	152638	99.186	ug/l	99
60) Dibromochloromethane	11.13	129	42100	19.395	ug/l	100
61) 1,2-Dibromoethane	11.23	107	35745	19.687	ug/l	99
64) Tetrachloroethene	10.86	164	44811	19.616	ug/l	98
65) Chlorobenzene	11.66	112	137088	19.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47334	19.556	ug/l	97
67) Ethyl Benzene	11.73	91	270344	20.228	ug/l	98
68) m/p-Xylenes	11.84	106	194386	40.378	ug/l	99
69) o-Xylene	12.16	106	90522	20.316	ug/l	99
70) Styrene	12.18	104	155973	20.224	ug/l	99
71) Bromoform	12.35	173	22901	18.991	ug/l #	99
73) Isopropylbenzene	12.46	105	261069	20.270	ug/l	100
74) N-amyl acetate	12.27	43	77000	19.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45207	19.145	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	38080m	22.747	ug/l	
77) Bromobenzene	12.74	156	56165	20.157	ug/l	95
78) n-propylbenzene	12.80	91	316176	20.108	ug/l	98
79) 2-Chlorotoluene	12.89	91	177576	19.892	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	218926	20.342	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14311	18.743	ug/l	97
82) 4-Chlorotoluene	12.99	91	186267	19.927	ug/l	100
83) tert-Butylbenzene	13.21	119	190070	20.849	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	216407	20.017	ug/l	100
85) sec-Butylbenzene	13.38	105	267474	20.478	ug/l	100
86) p-Isopropyltoluene	13.50	119	241588	20.712	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	106996	19.632	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	106502	19.680	ug/l	98
89) n-Butylbenzene	13.82	91	239459	20.644	ug/l	100
90) Hexachloroethane	14.09	117	39331	19.219	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	94696	19.806	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7649	19.215	ug/l	96

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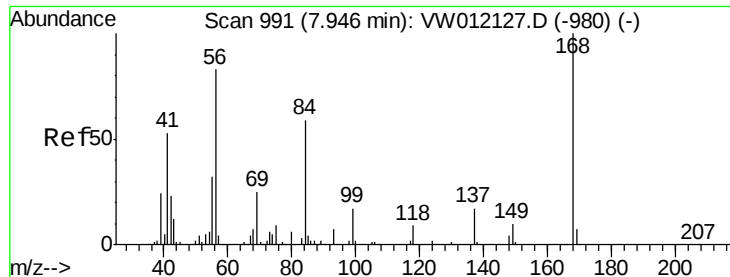
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69361	20.992	ug/l	99
94) Hexachlorobutadiene	15.24	225	45413	20.815	ug/l	99
95) Naphthalene	15.36	128	126373	22.128	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	59978	20.806	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion:168 Resp: 260310

Ion Ratio Lower Upper

168 100

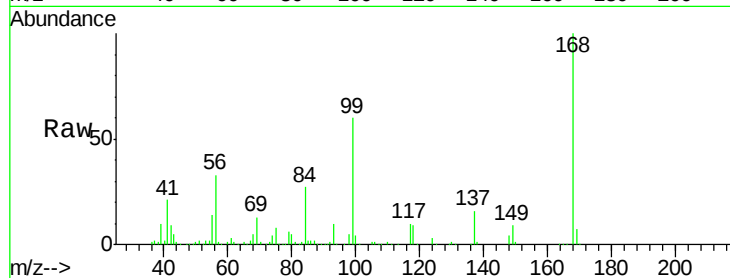
99 60.2 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

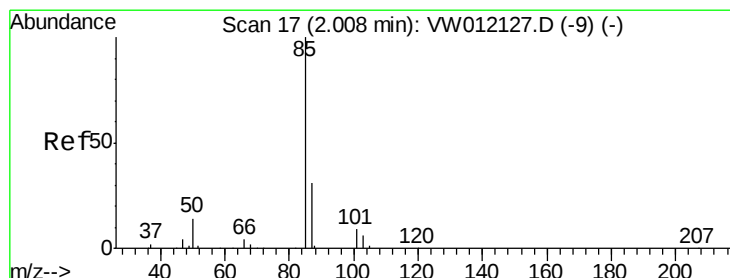
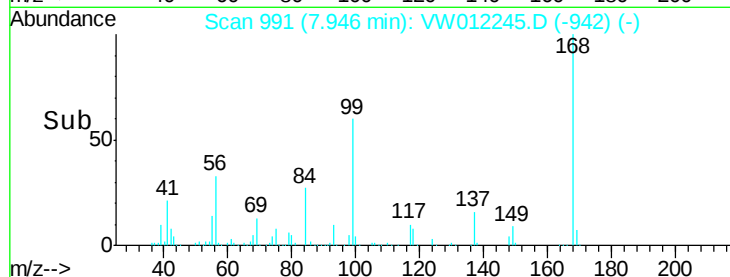
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.798 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012245.D

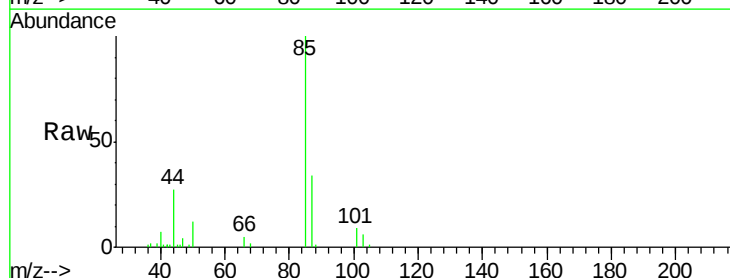
Acq: 28 Aug 2019 11:22

Tgt Ion: 85 Resp: 26924

Ion Ratio Lower Upper

85 100

87 33.7 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

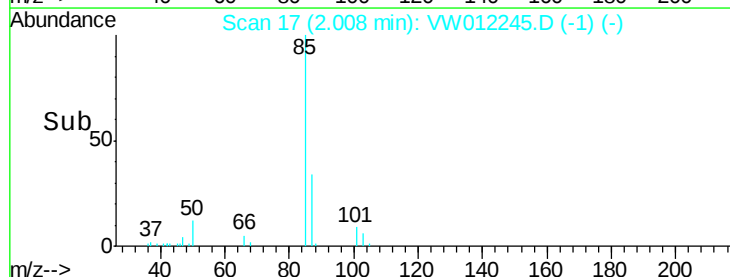
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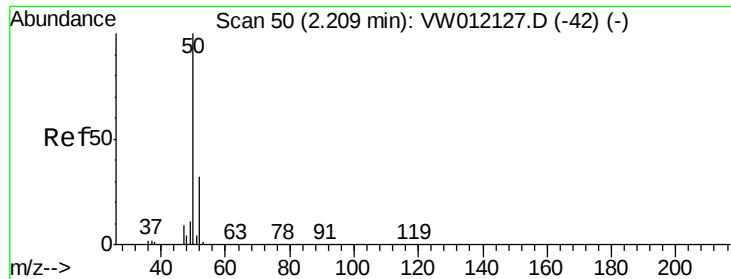
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.206 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 50 Resp: 47694

Ion Ratio Lower Upper

50 100

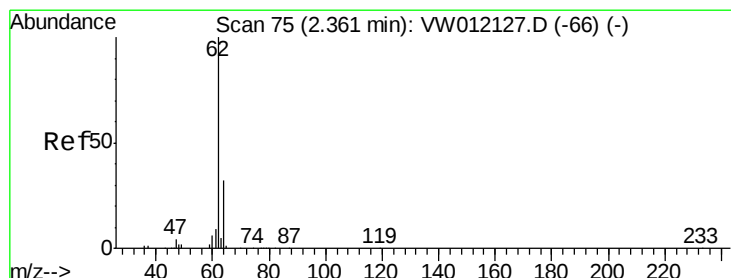
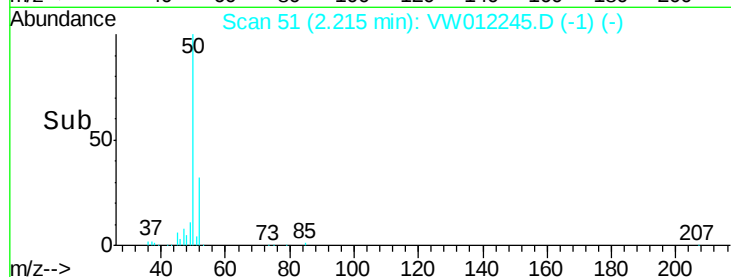
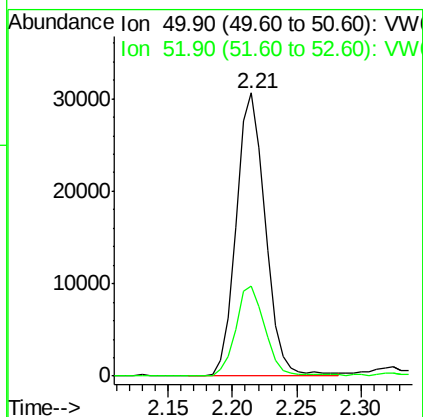
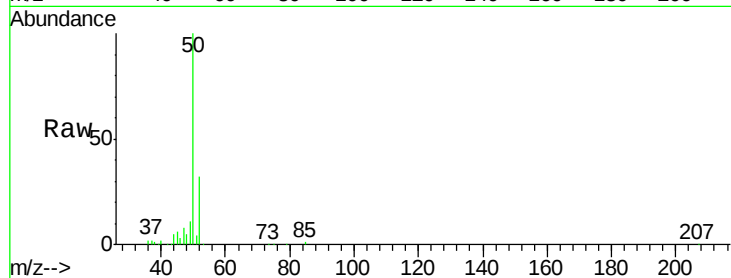
52 31.9 25.5 38.3

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#4

Vinyl Chloride

Concen: 18.745 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012245.D

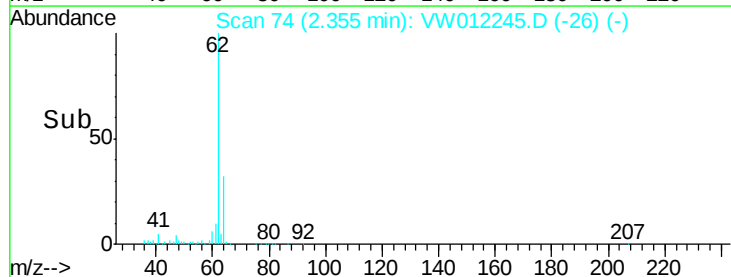
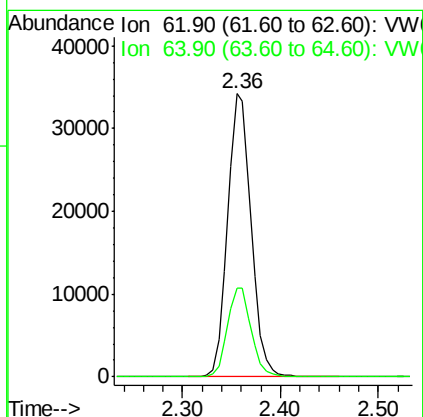
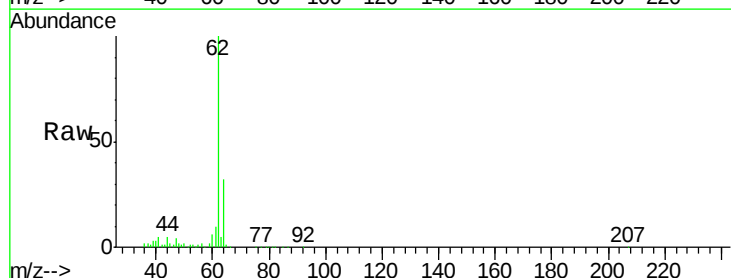
Acq: 28 Aug 2019 11:22

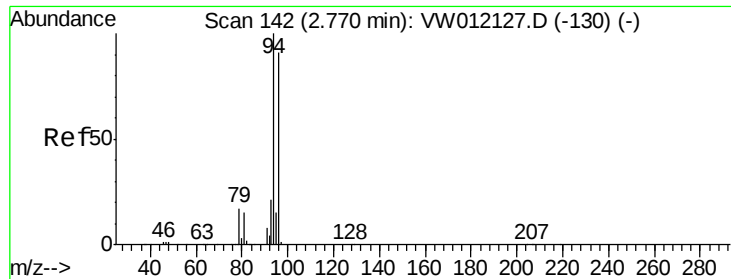
Tgt Ion: 62 Resp: 56974

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 14.083 ug/l

RT: 2.71 min Scan# 133

Delta R.T. -0.05 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 94 Resp: 21677

Ion Ratio Lower Upper

94 100

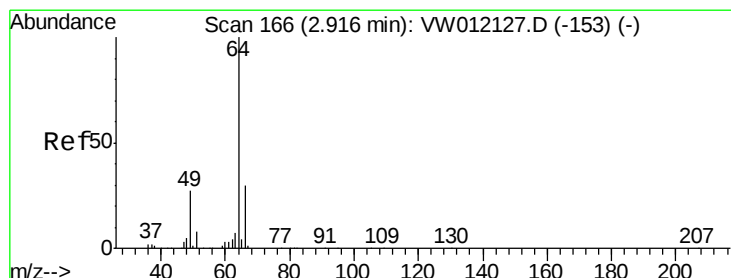
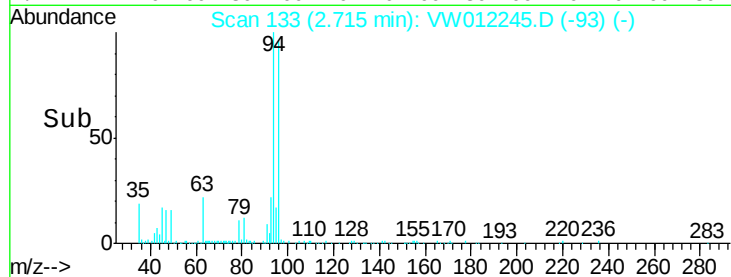
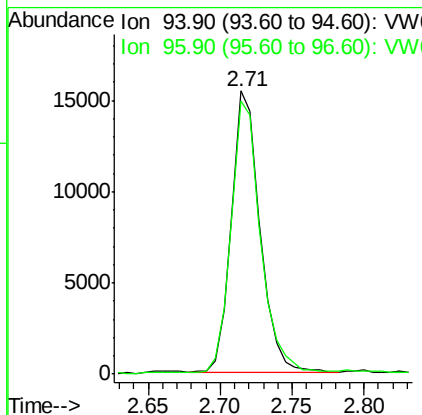
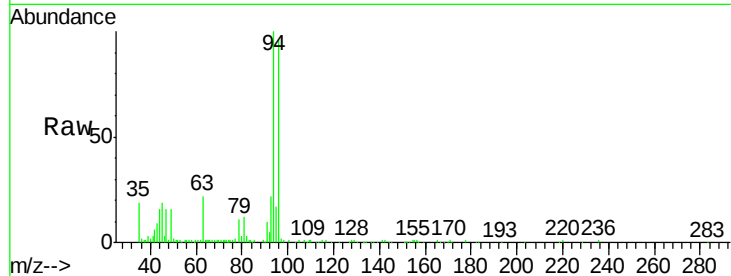
96 96.5 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 18.844 ug/l

RT: 2.87 min Scan# 159

Delta R.T. -0.04 min

Lab File: VW012245.D

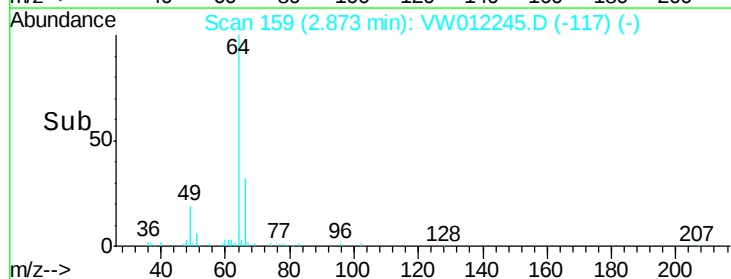
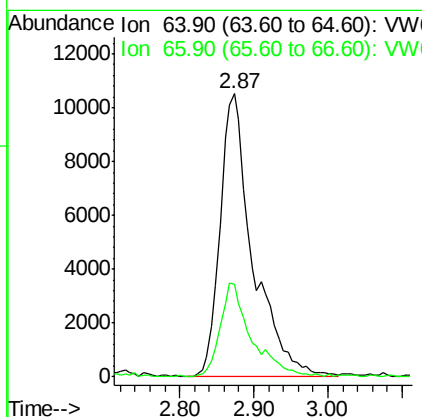
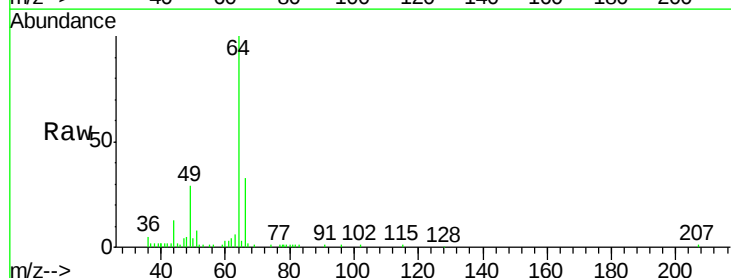
Acq: 28 Aug 2019 11:22

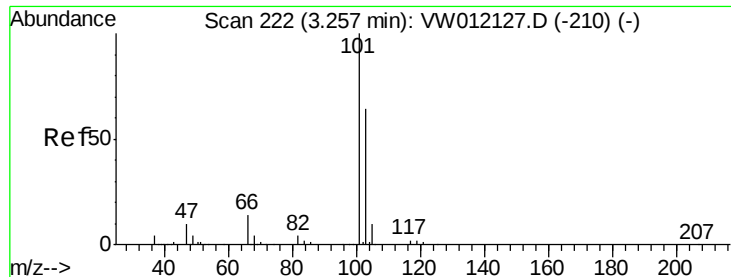
Tgt Ion: 64 Resp: 32310

Ion Ratio Lower Upper

64 100

66 32.7 23.8 35.8





#7

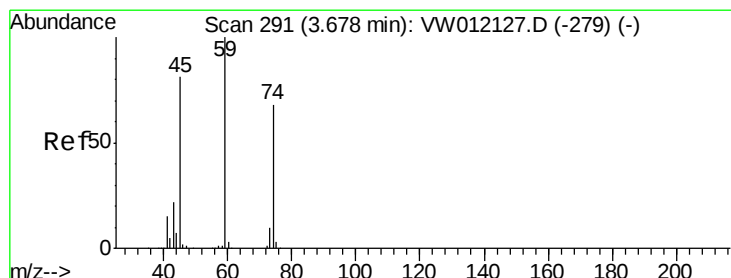
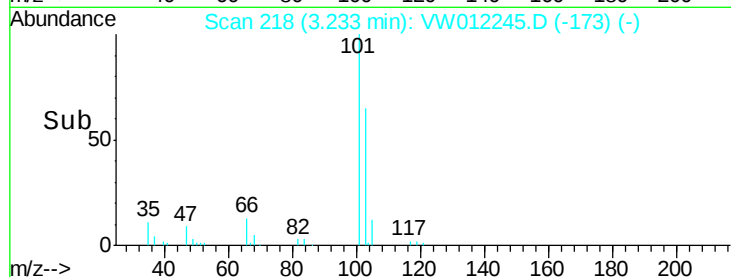
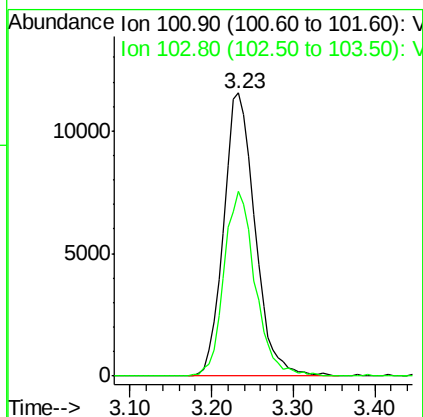
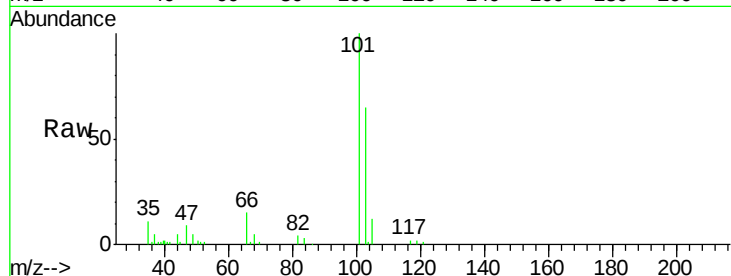
Trichlorofluoromethane
 Concen: 20.151 ug/l
 RT: 3.23 min Scan# 218
 Delta R.T. -0.02 min
 Lab File: VW012245.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	30753		
103	65.1	51.2	76.8	

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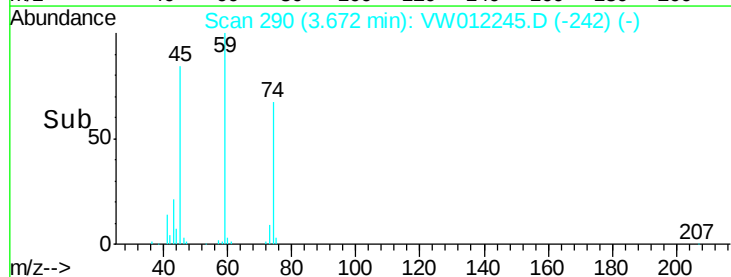
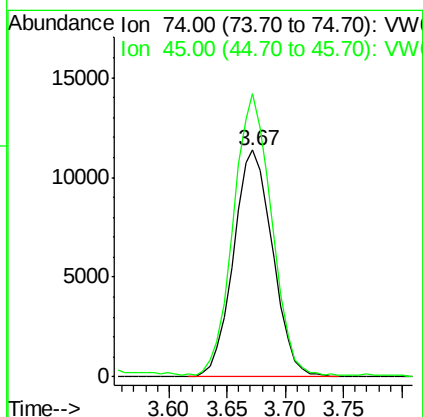
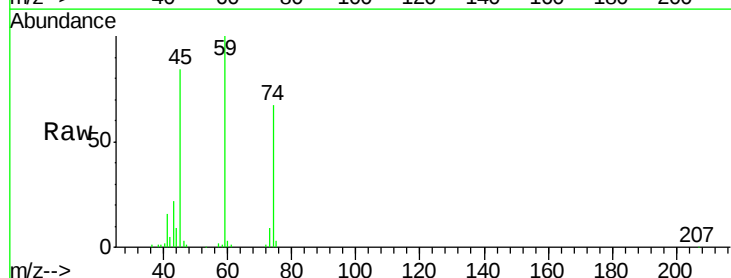
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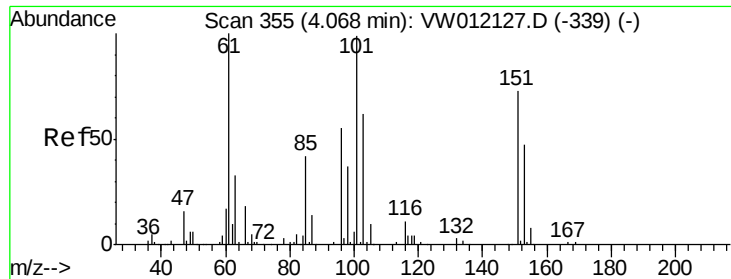


#8

Diethyl Ether
 Concen: 18.375 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	26619		
45	121.9	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.703 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

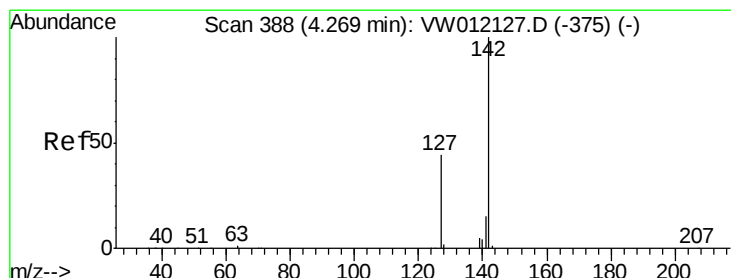
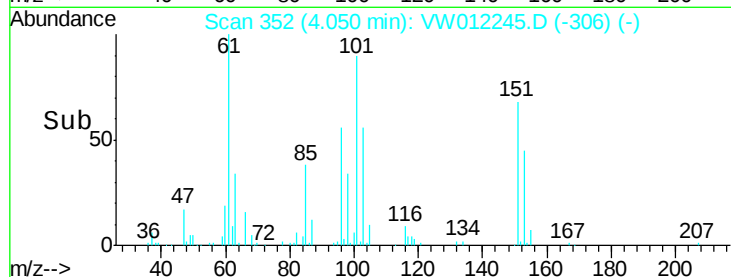
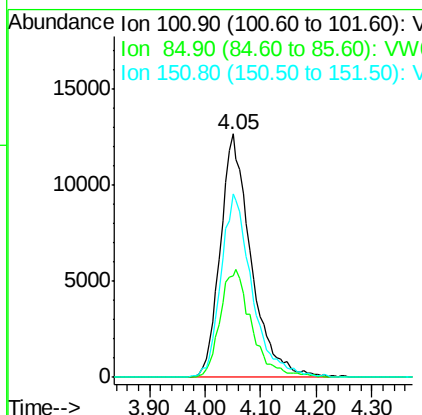
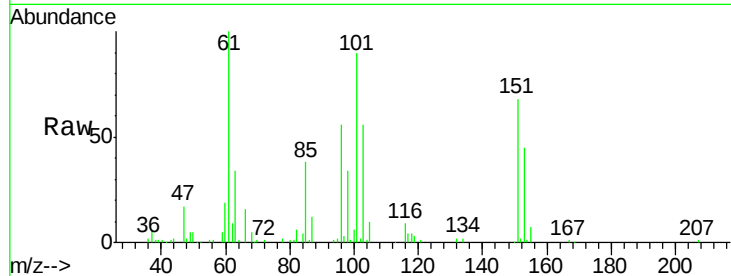
ClientSampleId :

VW0828SBS01

Tot Ion:	101	Resp:	48519
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.8	53.6
151	76.0	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.376 ug/l

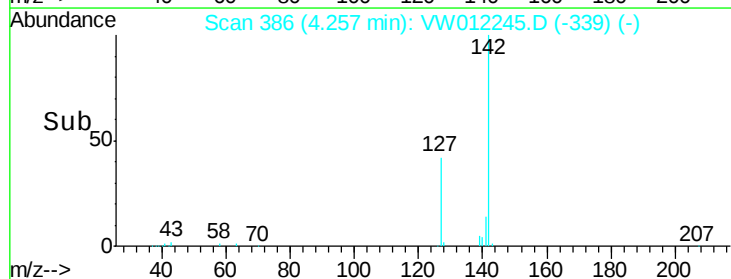
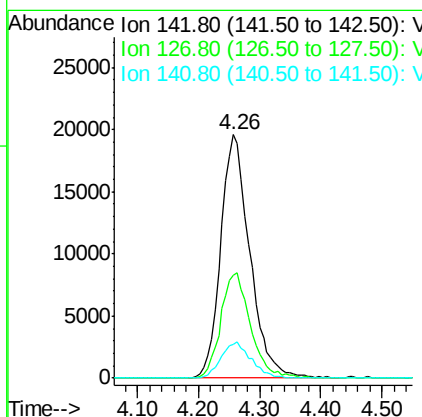
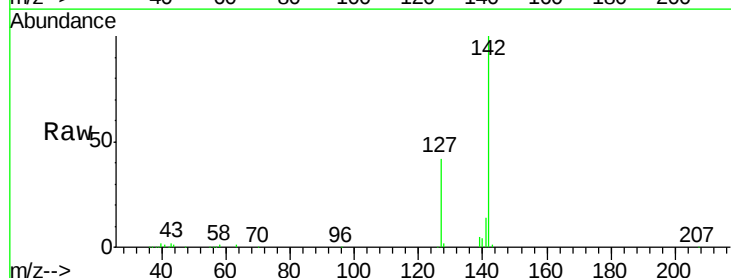
RT: 4.26 min Scan# 386

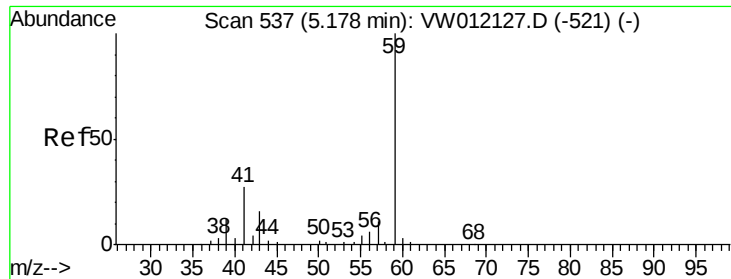
Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Tgt Ion:	142	Resp:	64501
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.5	53.3
141	15.1	11.8	17.8





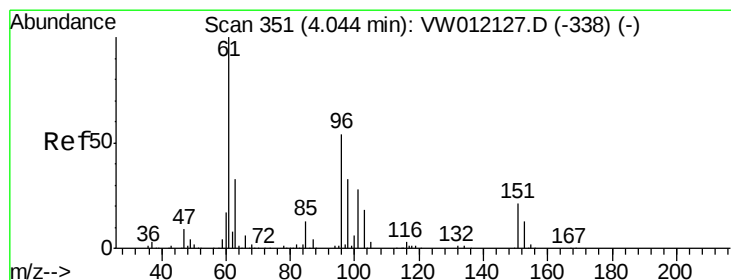
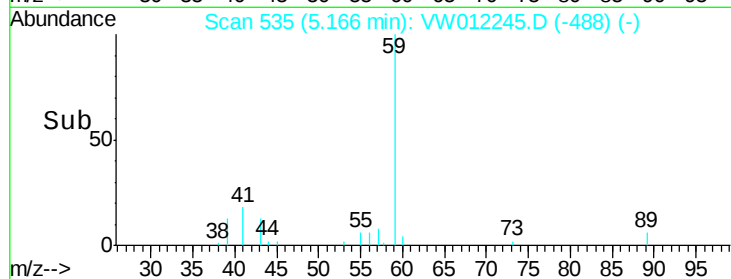
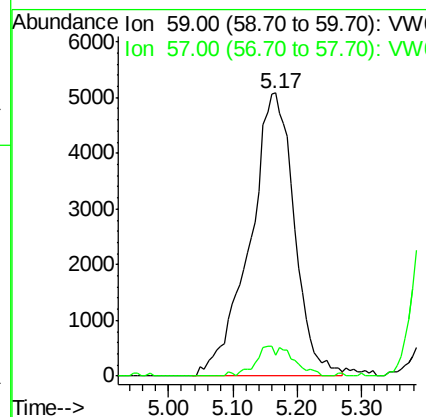
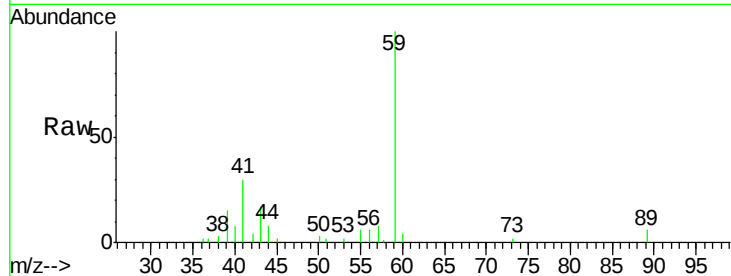
#11
Tert butyl alcohol
Concen: 130.795 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	24357		
57	4.5	9.0	13.4	

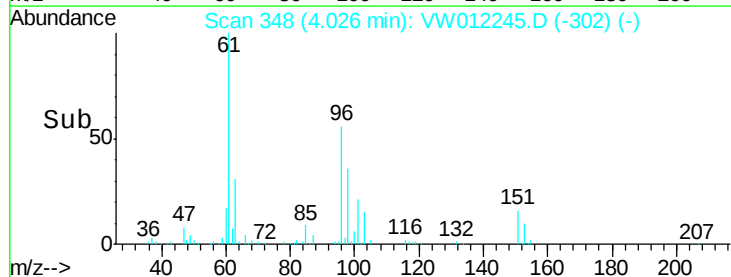
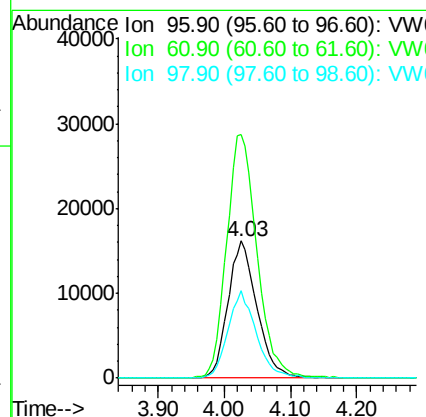
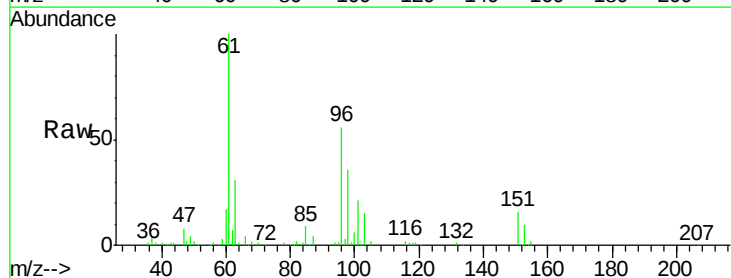
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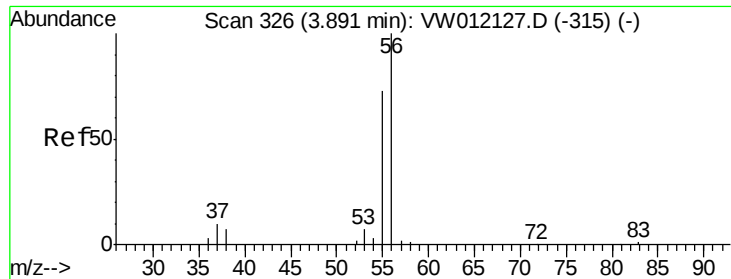
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#12
1,1-Dichloroethene
Concen: 18.858 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.02 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	49240		
61	177.6	149.1	223.7	
98	64.2	49.4	74.2	





#13

Acrolein

Concen: 90.100 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 56 Resp: 15794

Ion Ratio Lower Upper

56 100

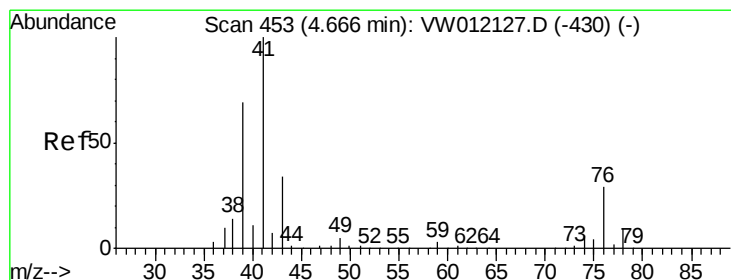
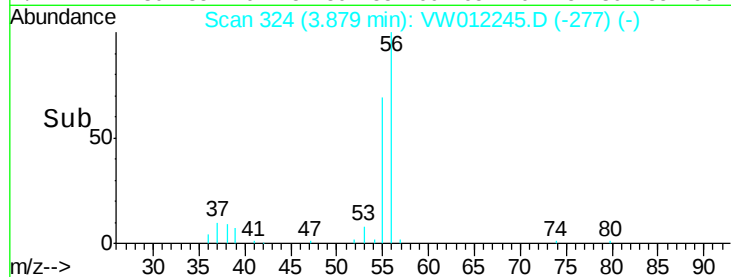
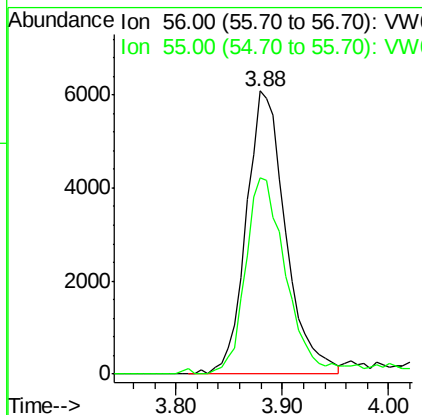
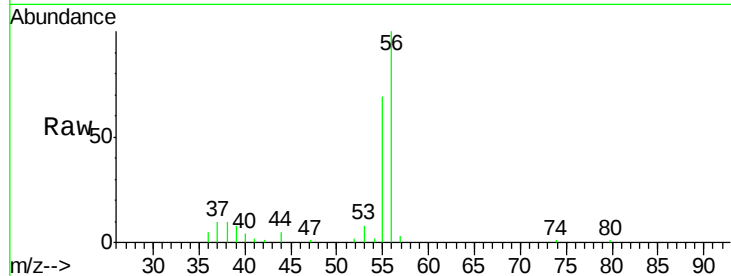
55 70.9 55.8 83.8

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#14

Allyl chloride

Concen: 19.005 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

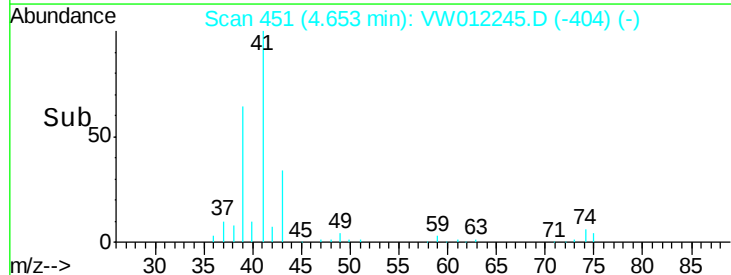
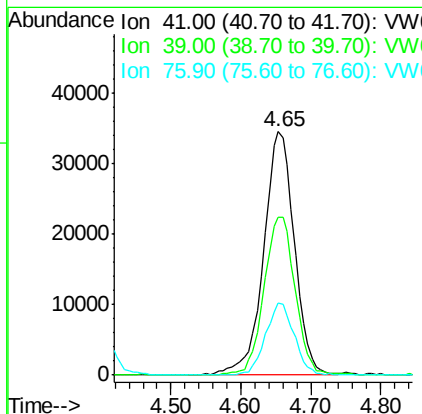
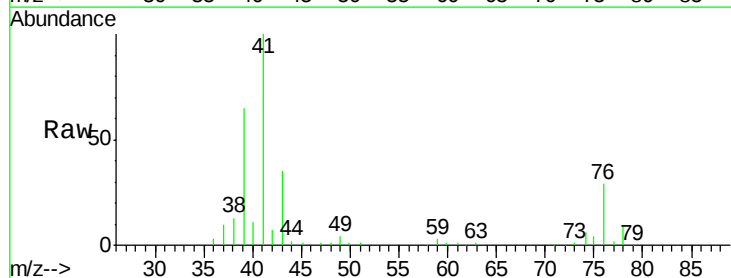
Tgt Ion: 41 Resp: 106085

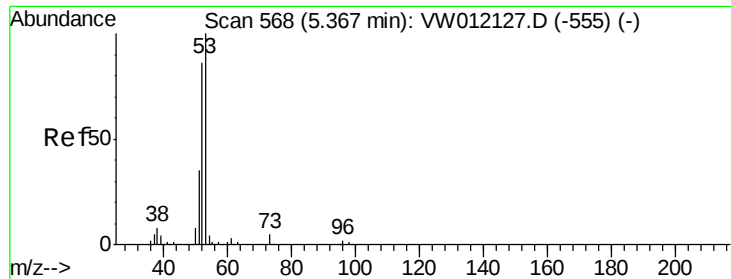
Ion Ratio Lower Upper

41 100

39 65.1 53.4 80.2

76 27.4 22.1 33.1





#15

Acrylonitrile

Concen: 96.988 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

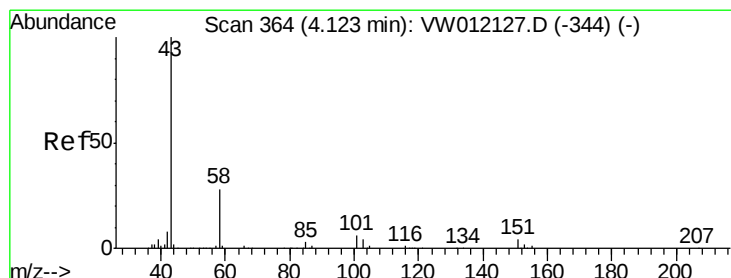
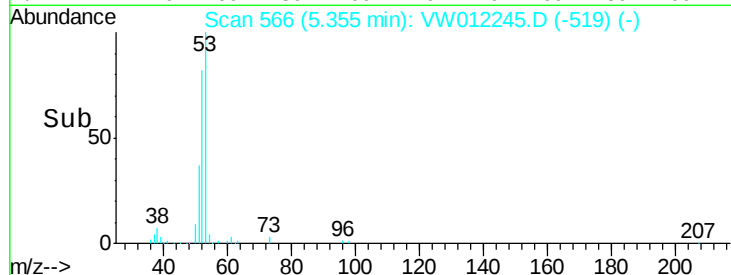
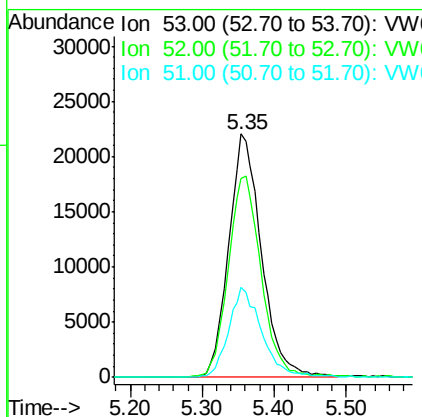
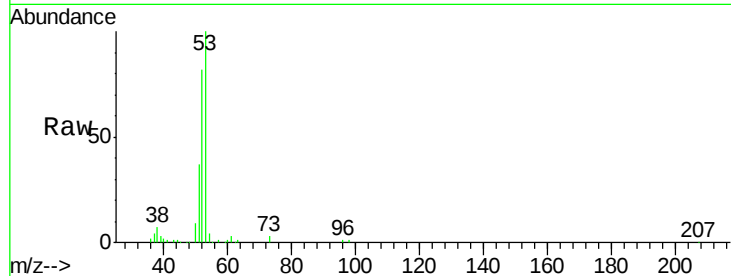
ClientSampleId :

VW0828SBS01

Tot Ion:	53	Resp:	69640
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	37.2	30.1	45.1

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#16

Acetone

Concen: 89.614 ug/l

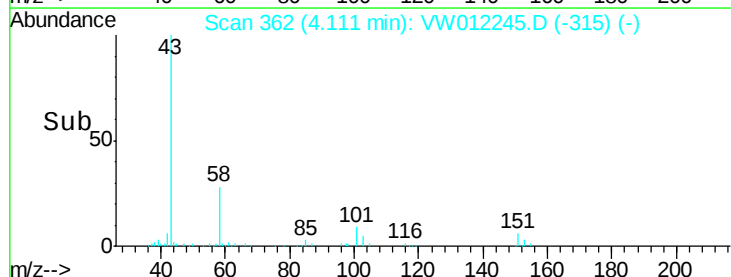
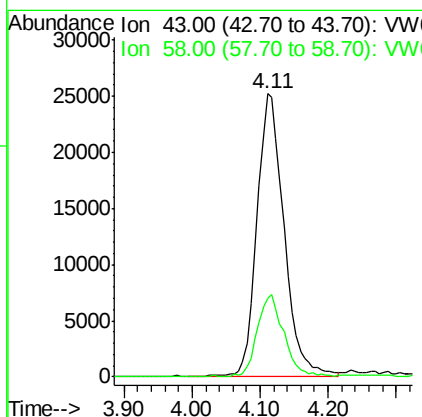
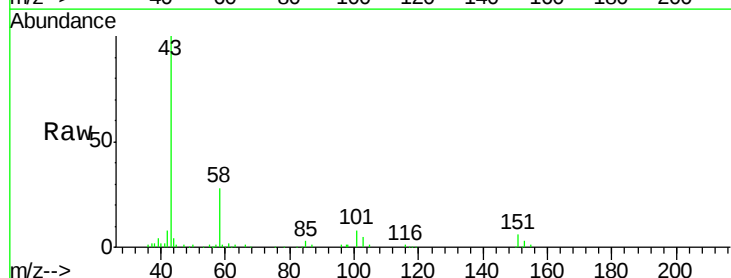
RT: 4.11 min Scan# 362

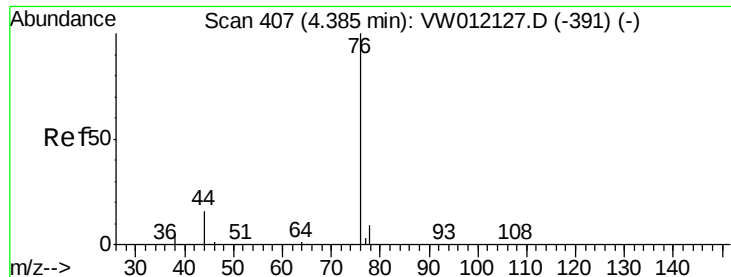
Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Tgt Ion:	43	Resp:	70885
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.4	33.6





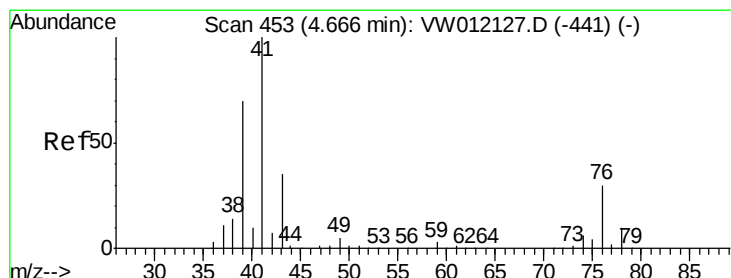
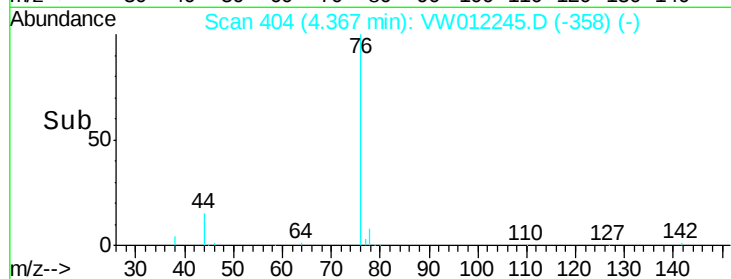
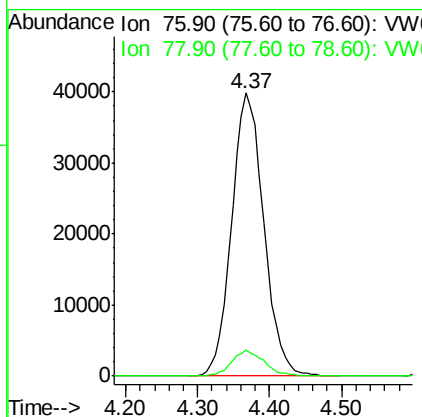
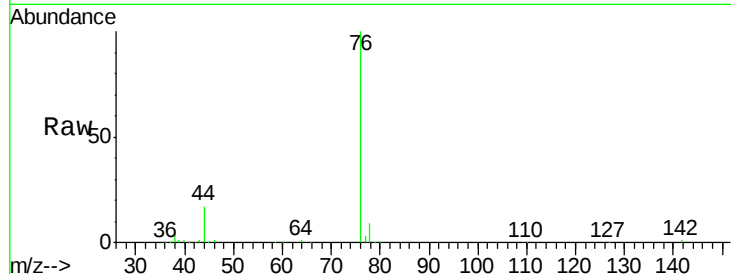
#17
Carbon Disulfide
Concen: 15.635 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.02 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

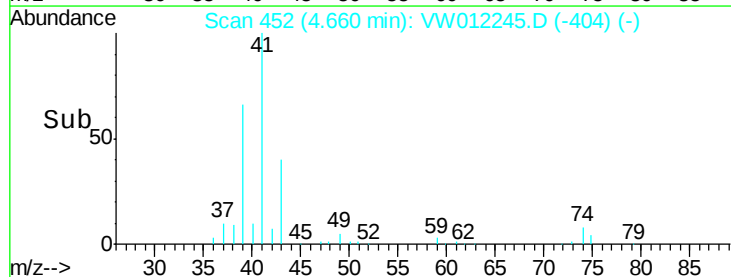
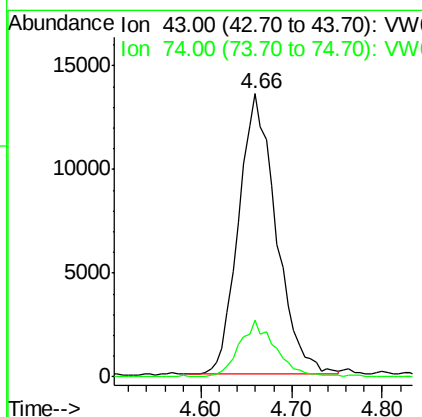
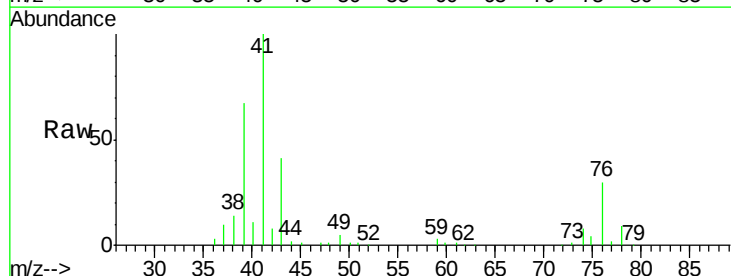
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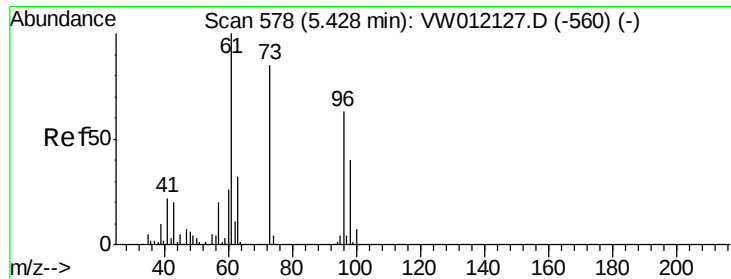
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#18
Methyl Acetate
Concen: 19.834 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.7	23.5





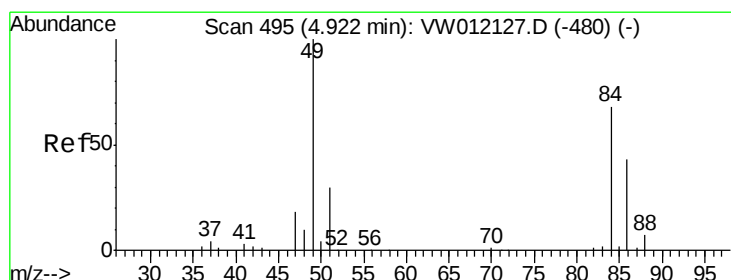
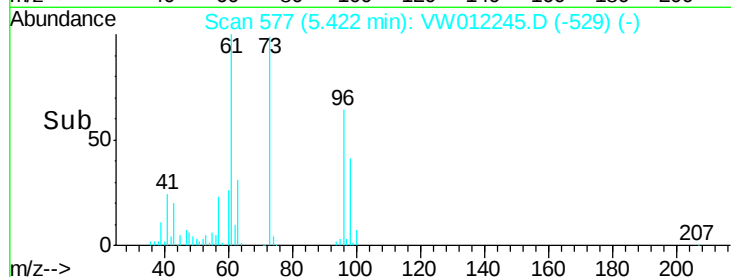
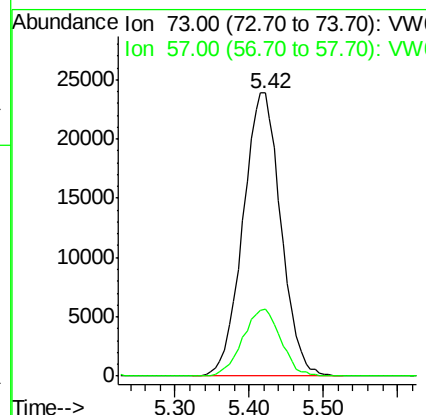
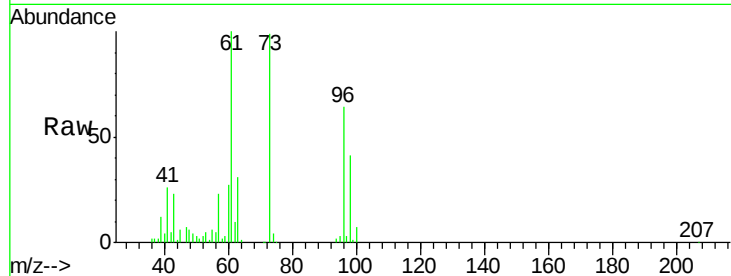
#19
Methvl tert-butvl Ether
Concen: 20.151 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.9	28.3

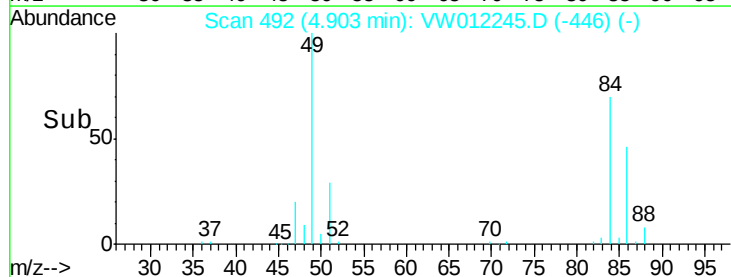
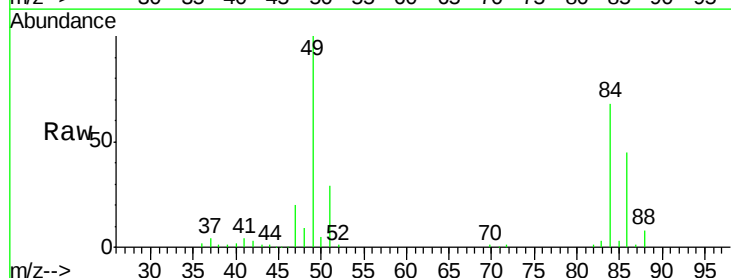
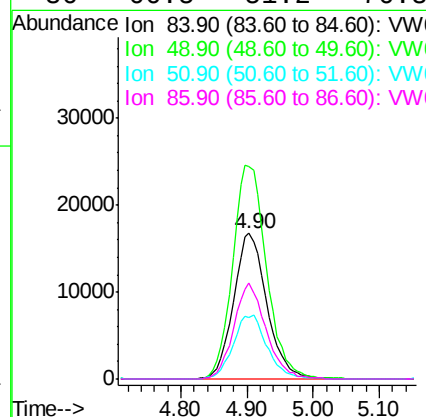
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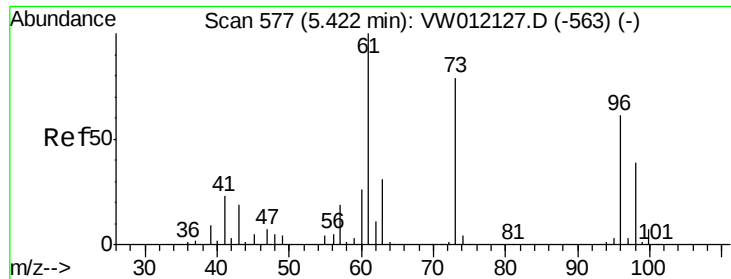
MMDadoda
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#20
Methylene Chloride
Concen: 19.556 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.5	117.8	176.8
51	42.6	35.6	53.4
86	66.5	51.2	76.8





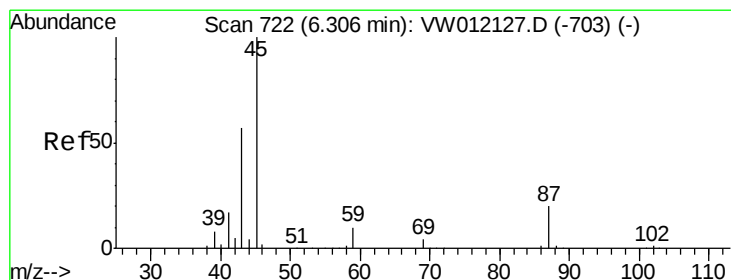
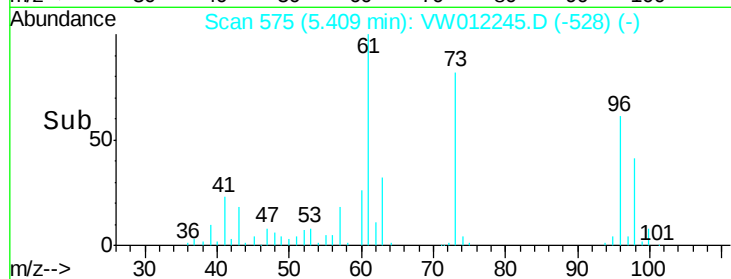
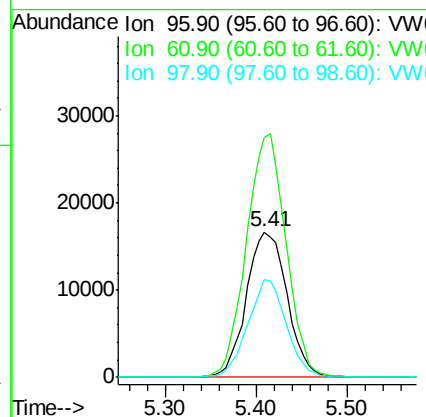
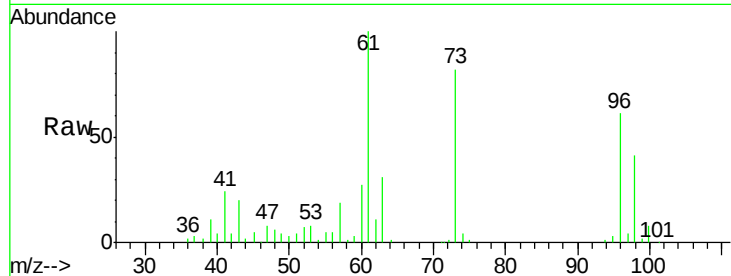
#21
trans-1,2-Dichloroethene
Concen: 18.490 ug/l
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.1	131.4	197.0
98	67.3	51.4	77.0

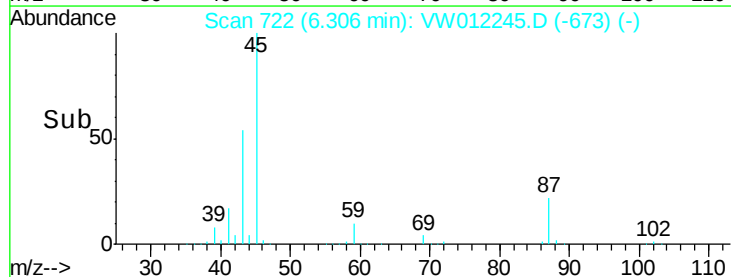
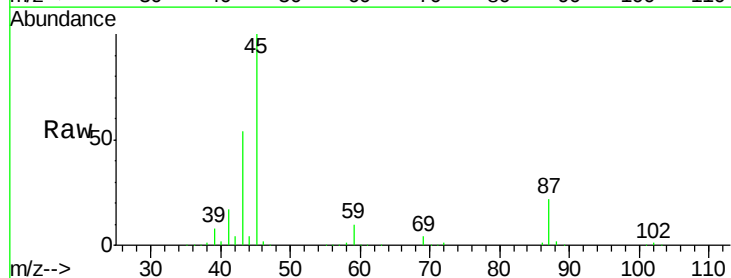
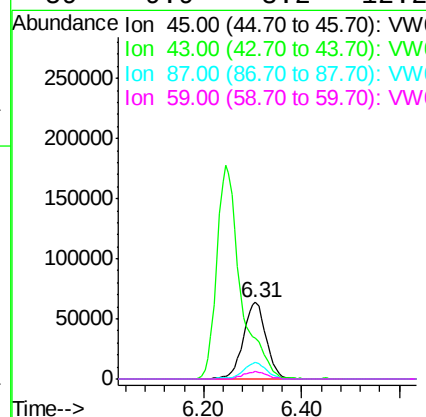
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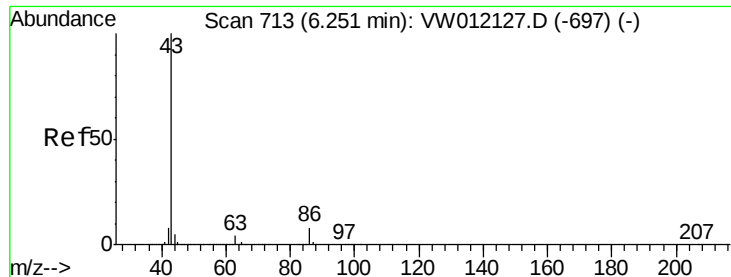
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#22
Diisopropyl ether
Concen: 19.865 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.7	45.5	68.3
87	21.8	16.1	24.1
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 94.333 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 43 Resp: 600669

Ion Ratio Lower Upper

43 100

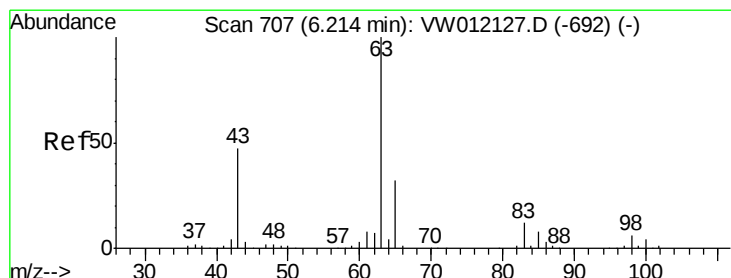
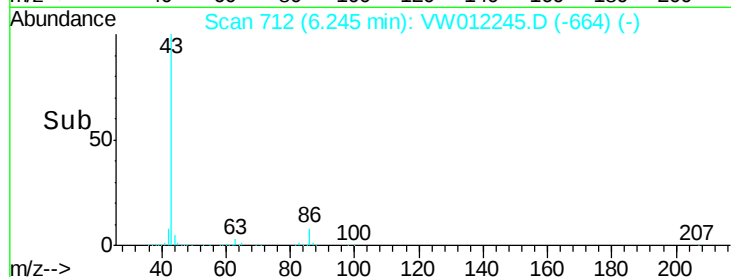
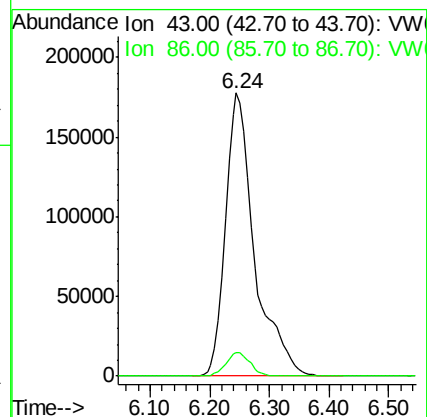
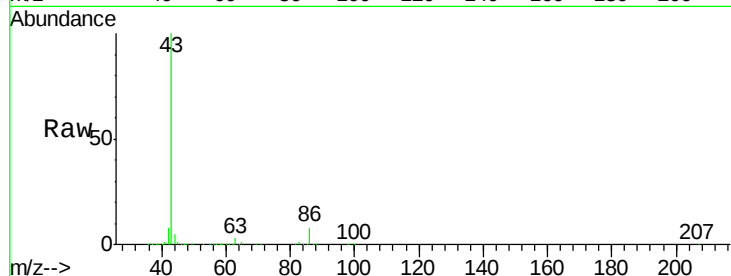
86 8.4 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 19.064 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

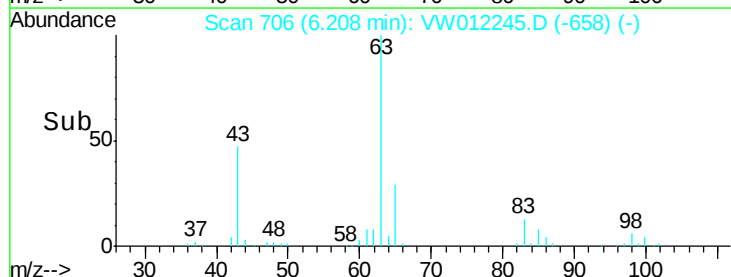
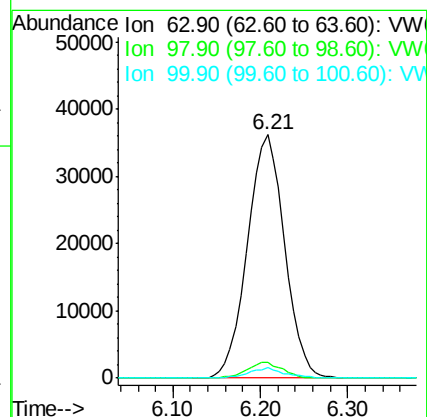
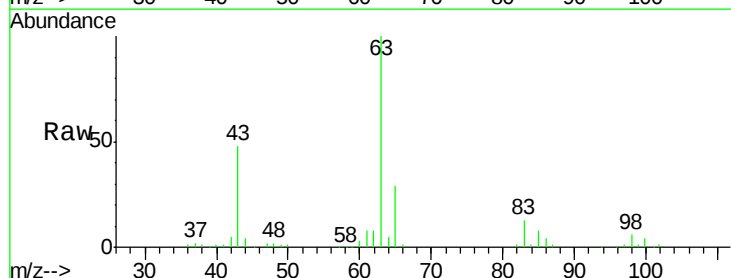
Tgt Ion: 63 Resp: 107398

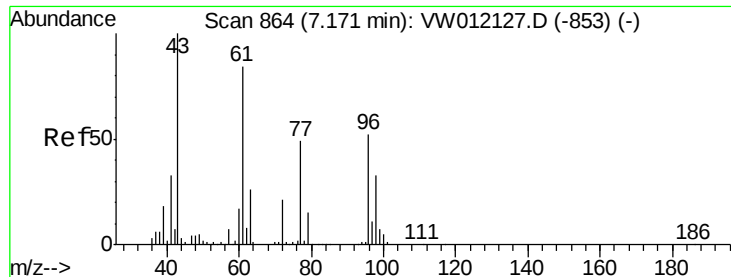
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 93.816 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 43 Resp: 100842

Ion Ratio Lower Upper

43 100

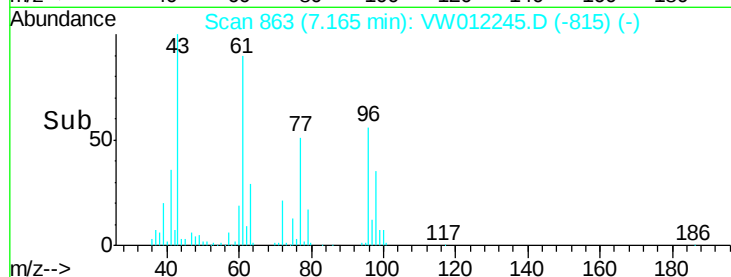
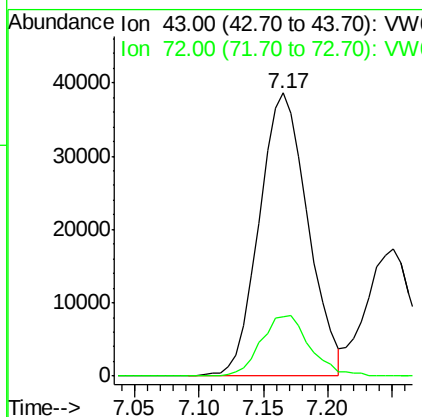
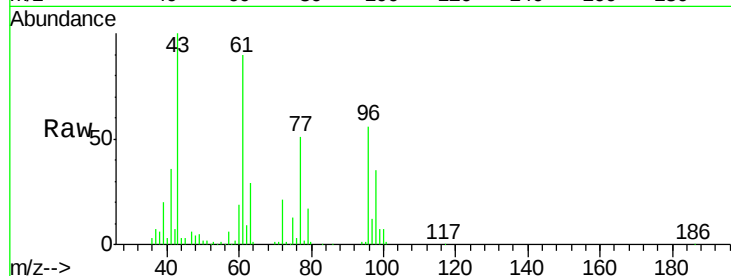
72 21.2 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.796 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012245.D

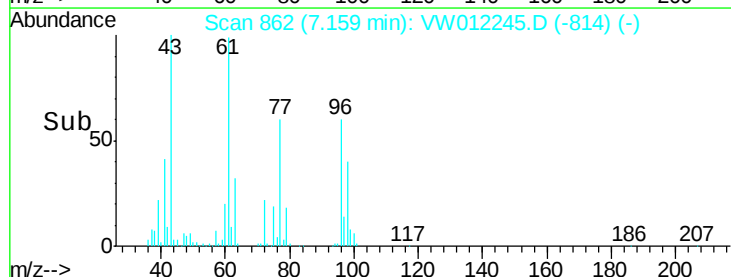
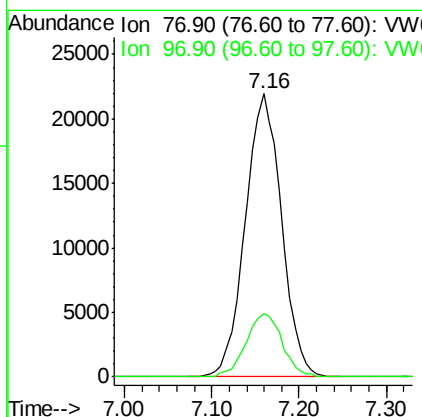
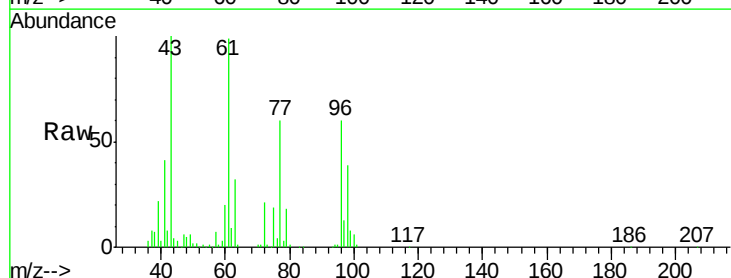
Acq: 28 Aug 2019 11:22

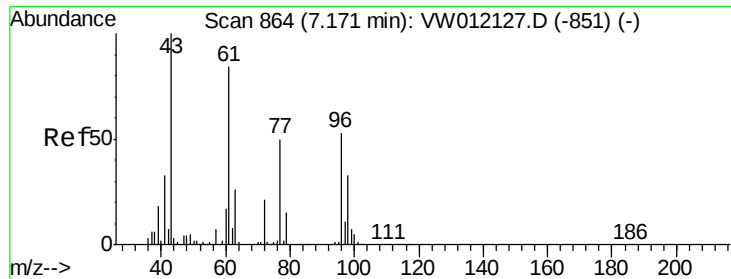
Tgt Ion: 77 Resp: 63125

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1





#27

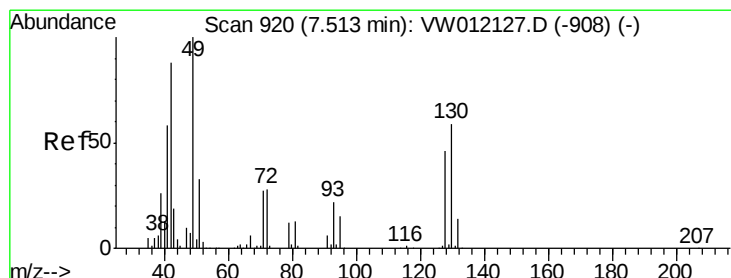
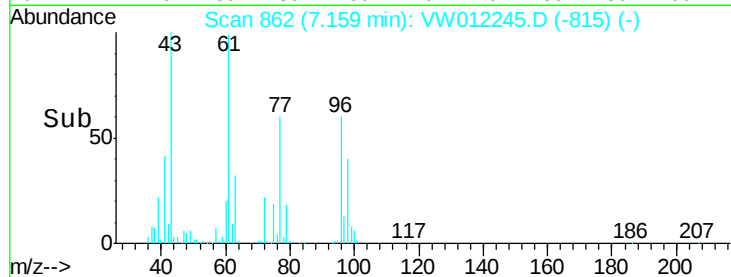
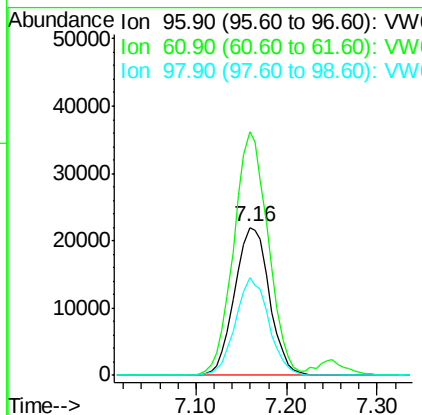
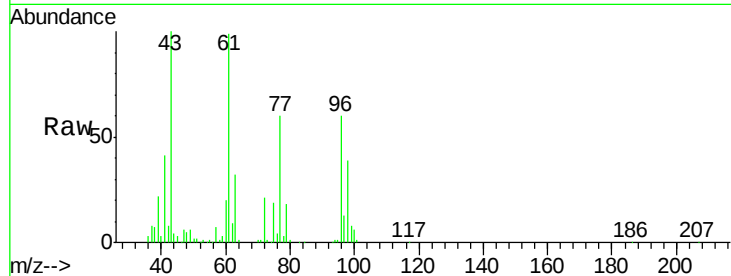
cis-1,2-Dichloroethene
 Concen: 19.532 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	58430		
61	163.2	0.0	326.6	
98	63.1	0.0	127.4	

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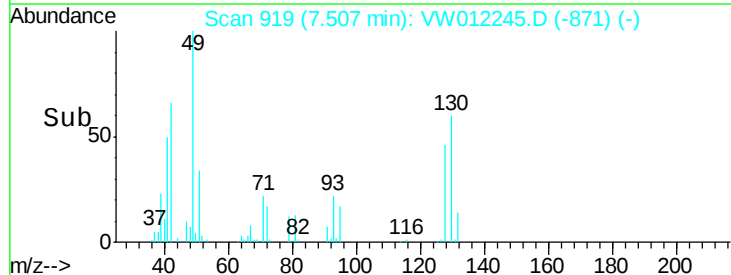
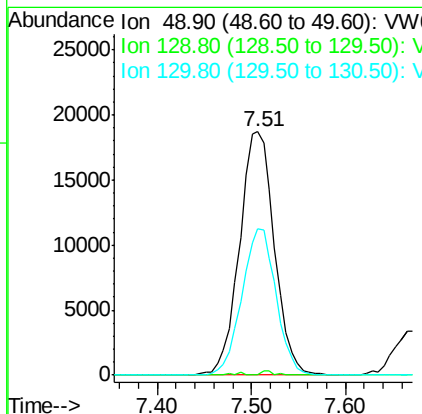
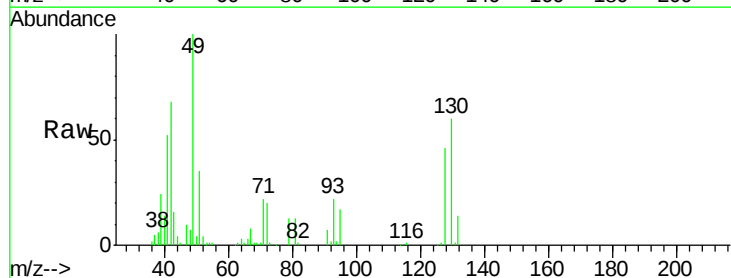
MMDadoda
 8/29/2019 9:41:56 AM

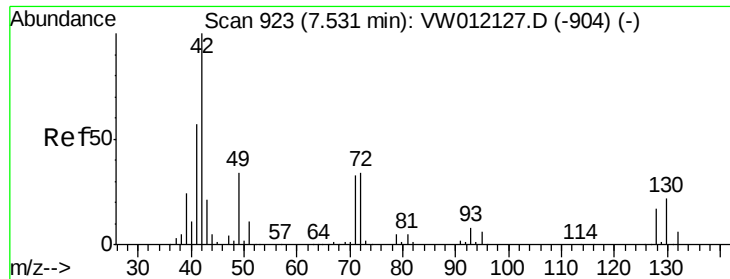


#28

Bromochloromethane
 Concen: 19.685 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48335		
129	0.6	0.0	1.4	
130	58.9	45.5	68.3	





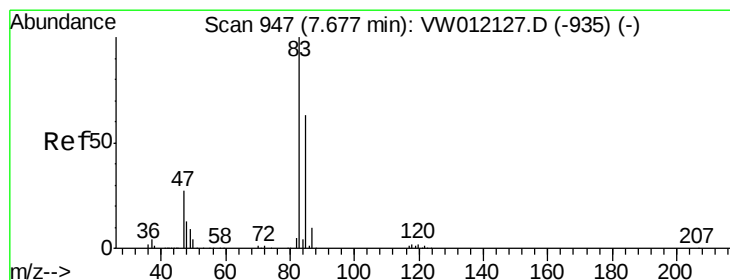
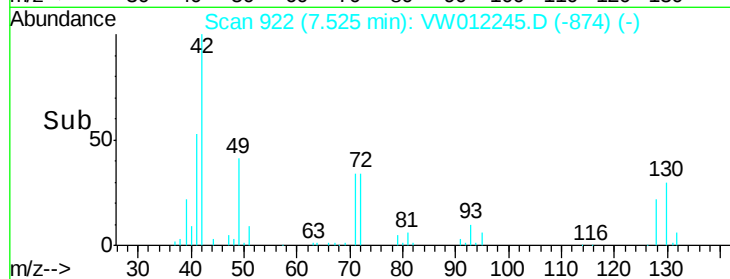
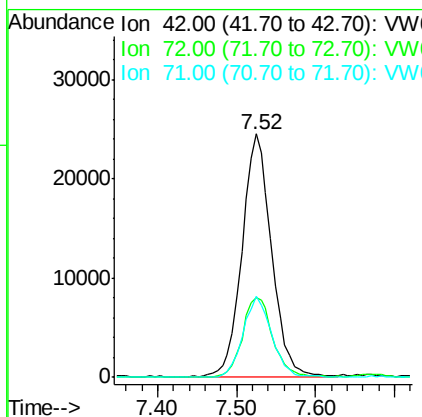
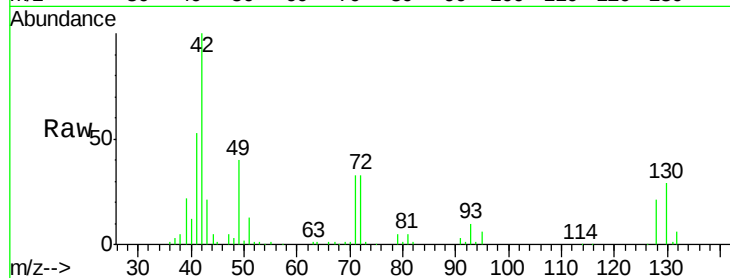
#29
Tetrahydrofuran
Concen: 98.628 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.3	40.9
71	32.4	25.5	38.3

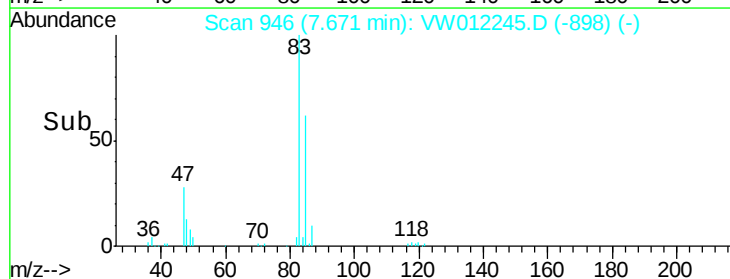
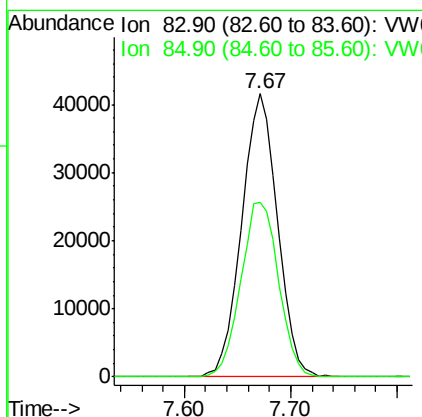
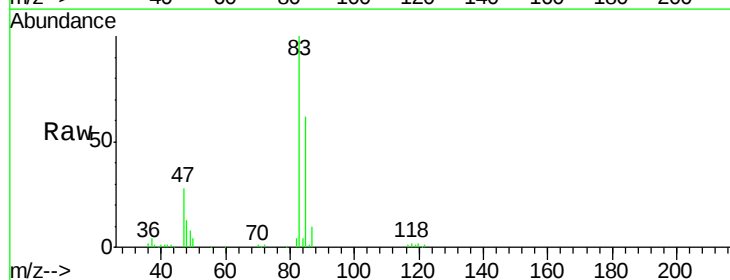
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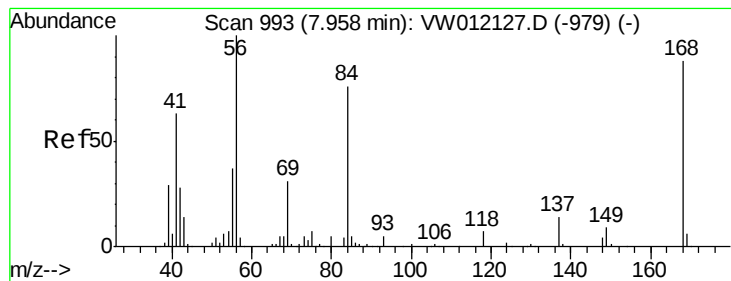
MMDadoda
8/29/2019 9:41:56 AM



#30
Chloroform
Concen: 19.108 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.6	76.0





#31

Cyclohexane

Concen: 18.403 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 56 Resp: 102574

Ion Ratio Lower Upper

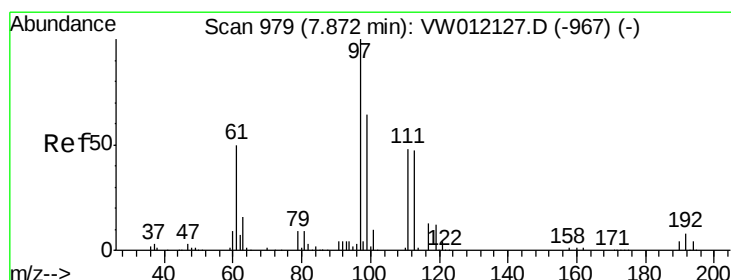
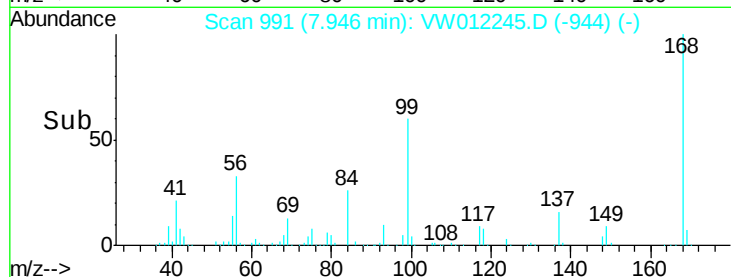
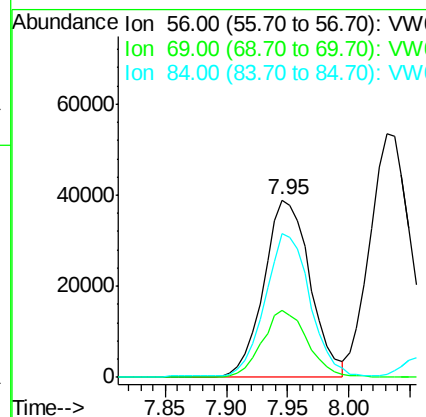
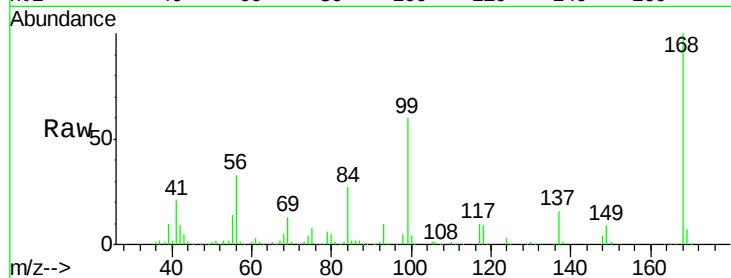
56 100

69 37.9 24.9 37.3#

84 80.4 60.6 90.8

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#32

1,1,1-Trichloroethane

Concen: 19.216 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

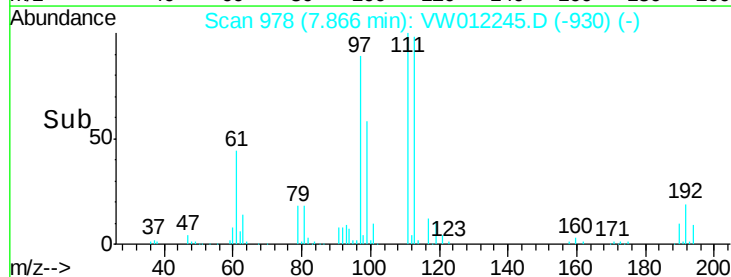
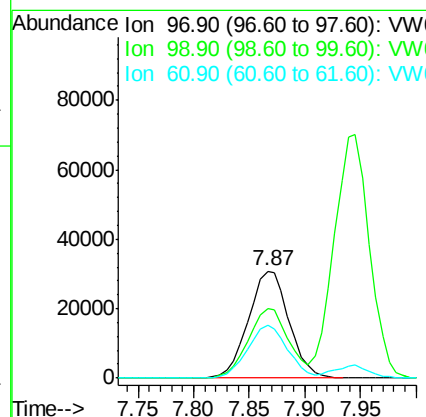
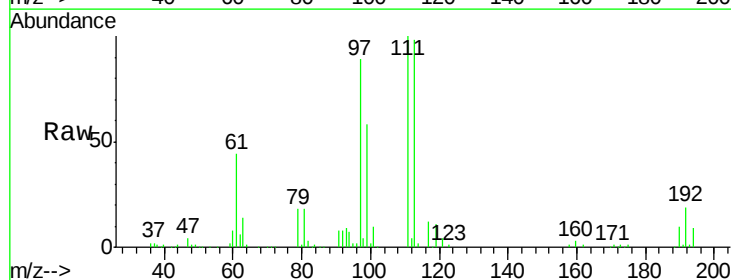
Tgt Ion: 97 Resp: 78351

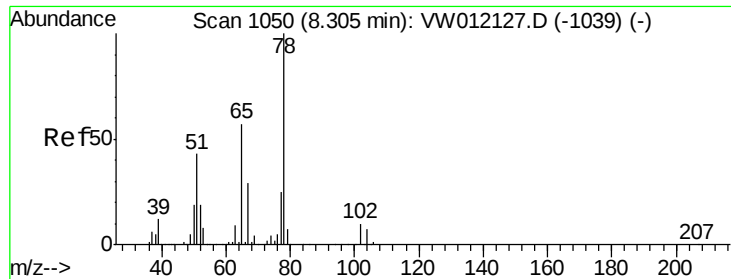
Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

61 48.5 39.5 59.3





#33

1,2-Dichloroethane-d4

Concen: 45.385 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 65 Resp: 140443

Ion Ratio Lower Upper

65 100

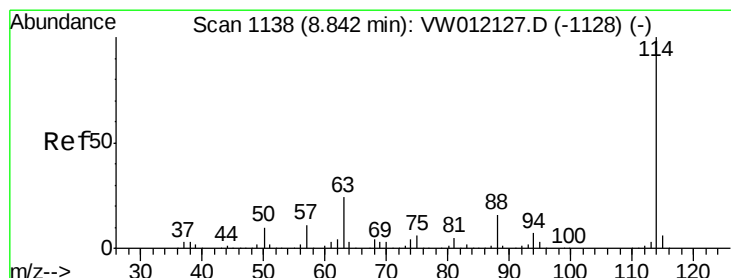
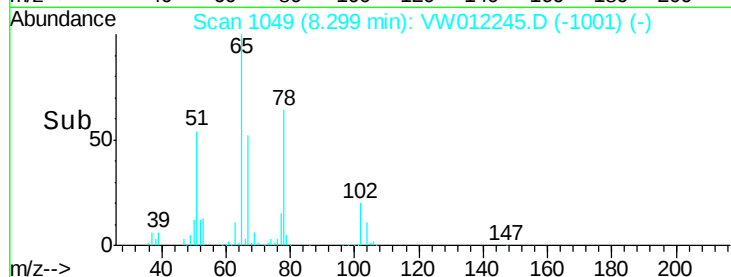
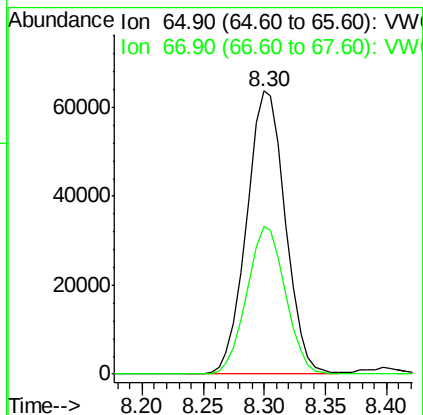
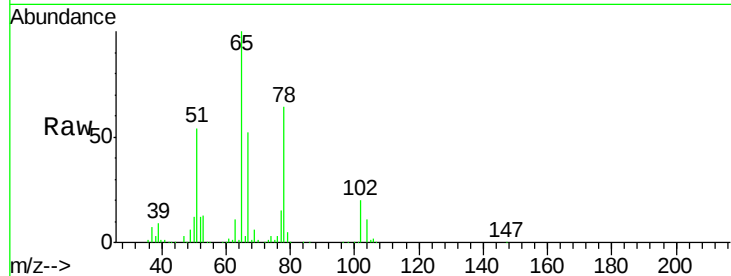
67 51.9 0.0 102.6

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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: VW012245.D

Acq: 28 Aug 2019 11:22

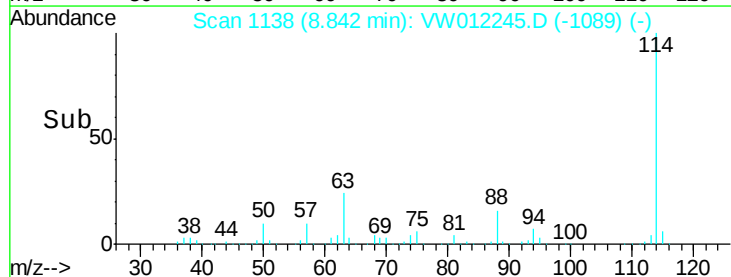
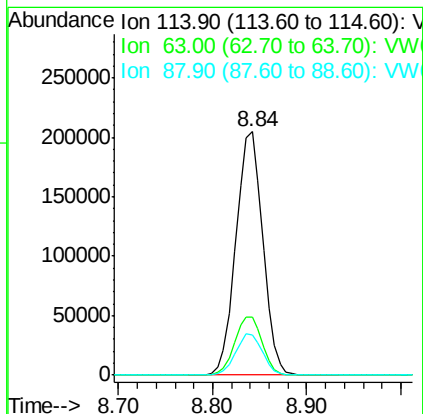
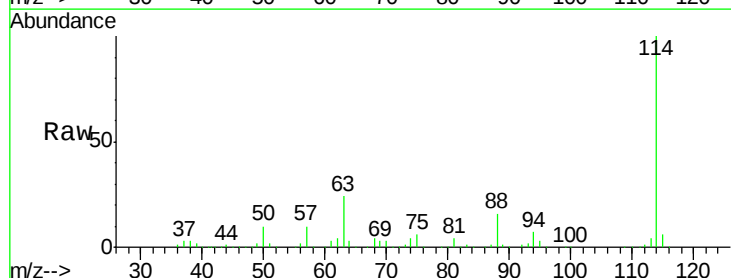
Tgt Ion: 114 Resp: 407661

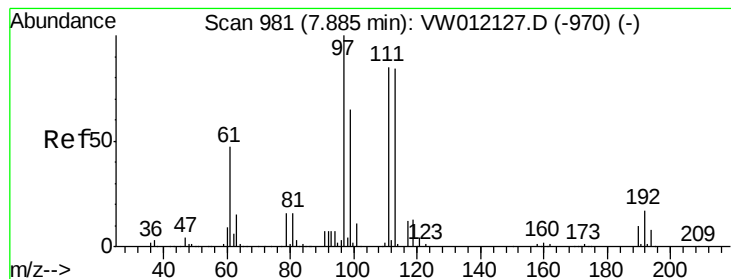
Ion Ratio Lower Upper

114 100

63 23.8 0.0 48.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.971 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

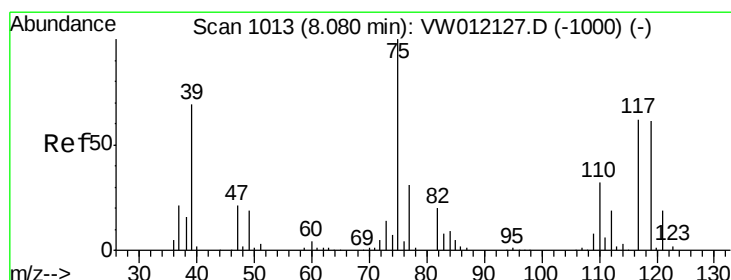
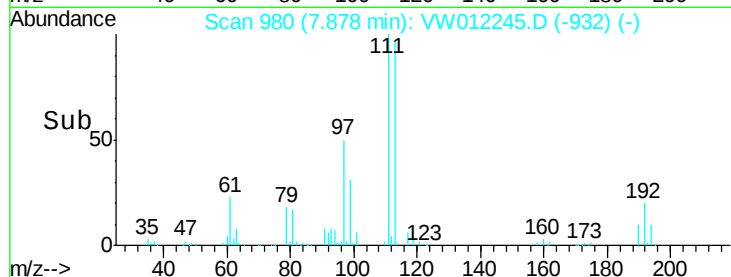
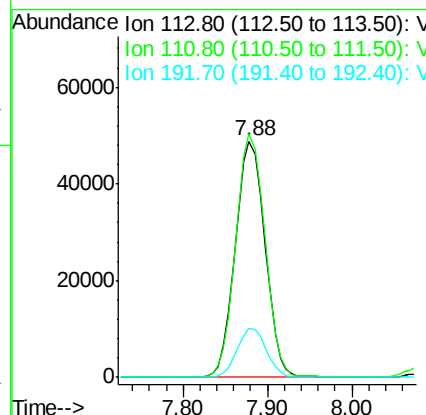
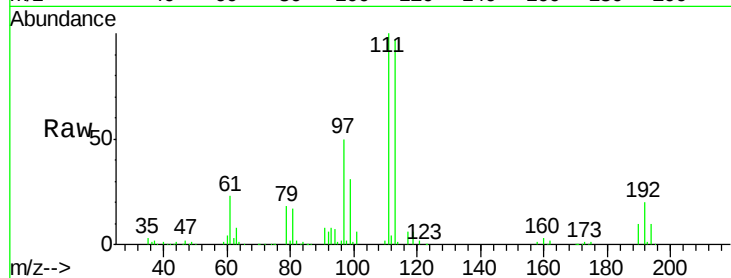
ClientSampleId :

VW0828SBS01

Tot Ion:	113	Resp:	116729
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.7	124.1
192	20.2	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 19.109 ug/l

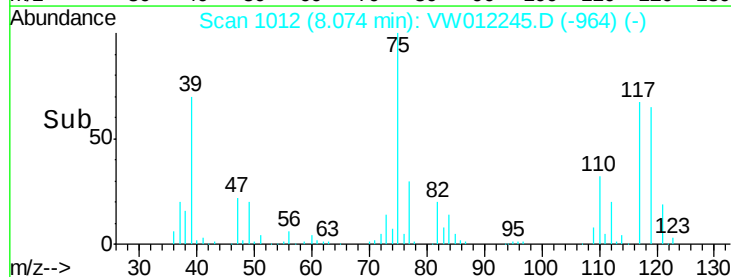
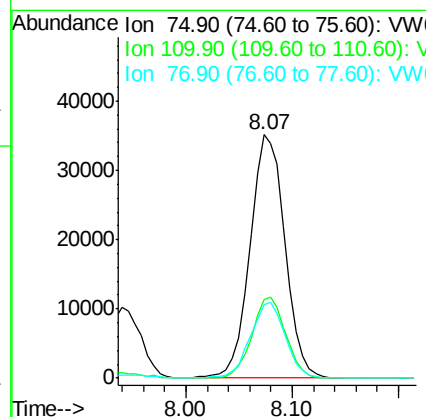
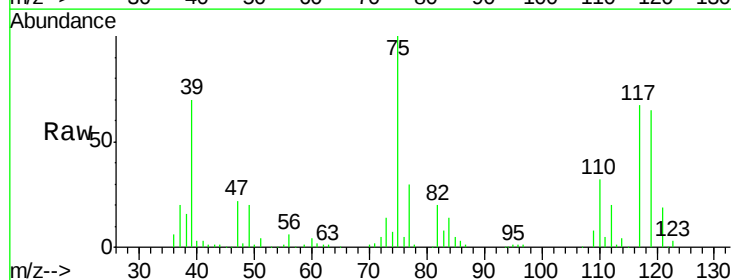
RT: 8.07 min Scan# 1012

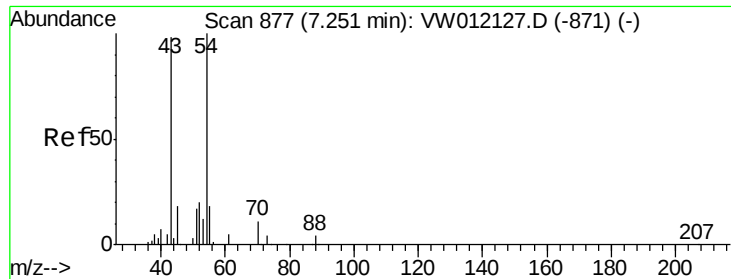
Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Tgt Ion:	75	Resp:	80499
Ion	Ratio	Lower	Upper
75	100		
110	32.5	15.6	46.8
77	31.7	24.6	36.8





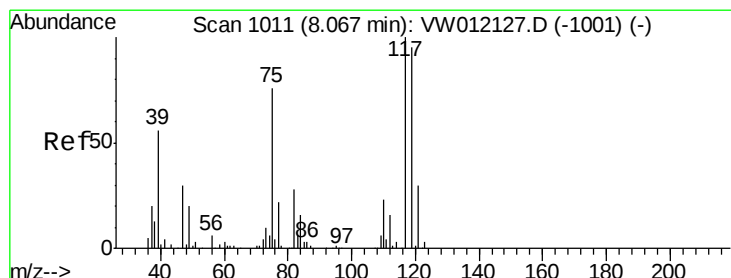
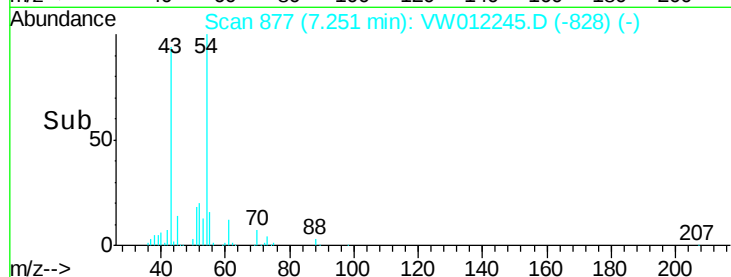
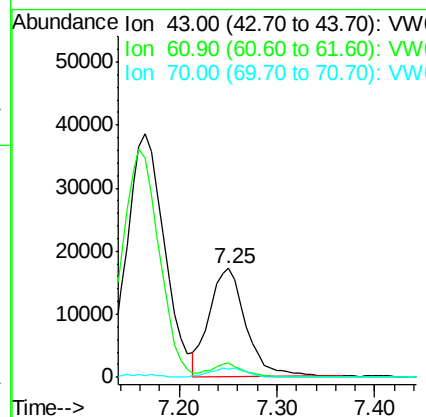
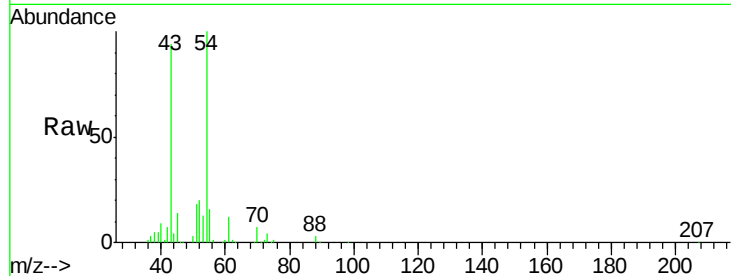
#37
Ethyl Acetate
Concen: 19.248 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.2	13.8
70	8.7	6.9	10.3

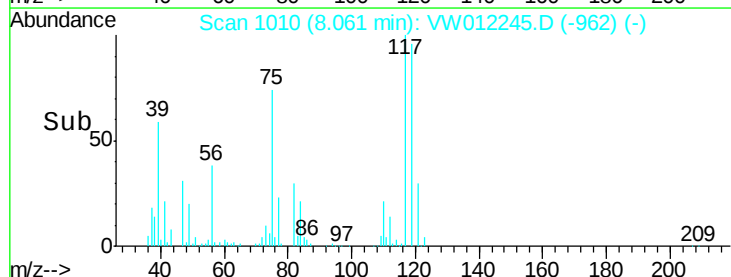
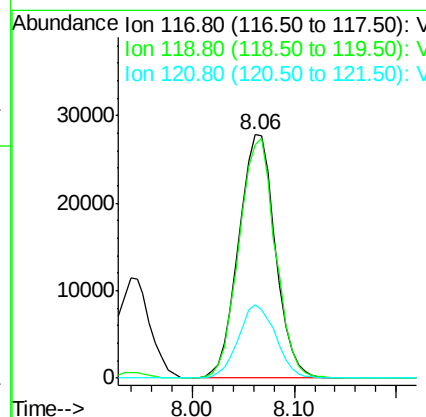
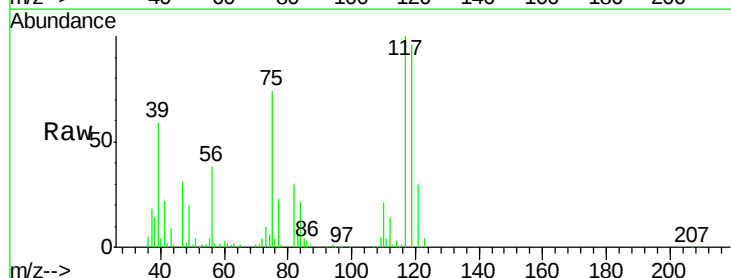
Manual Integrations
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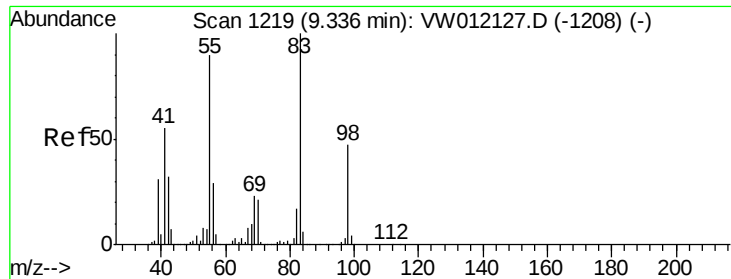
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.052 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
121	30.4	23.8	35.8





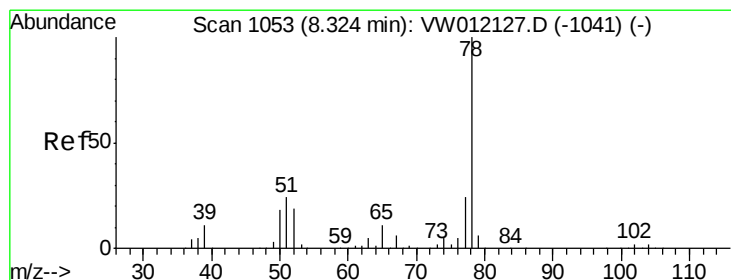
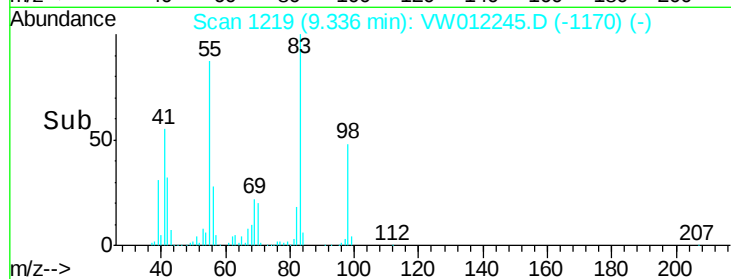
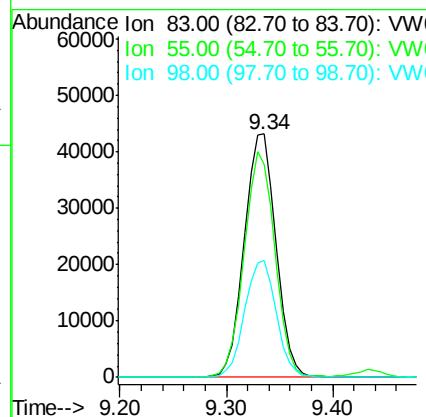
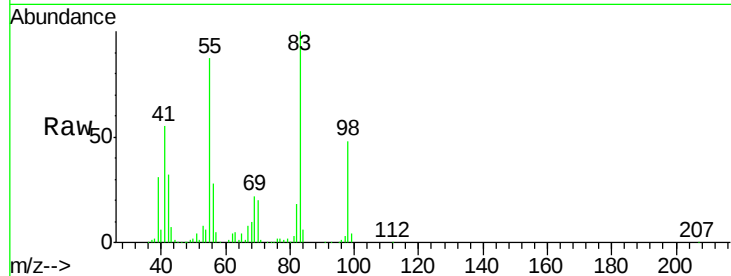
#39
Methvlcvclohexane
Concen: 19.201 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	71.8	107.8
98	47.9	37.8	56.8

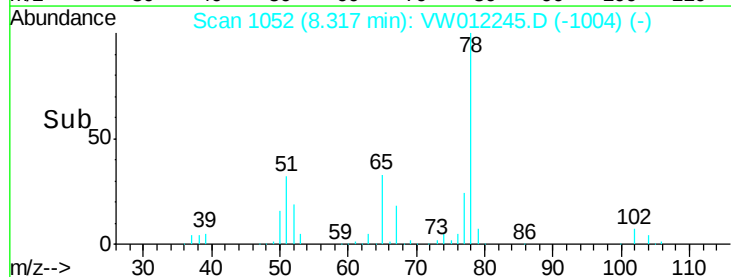
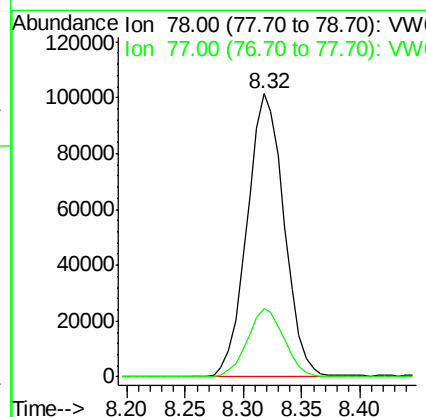
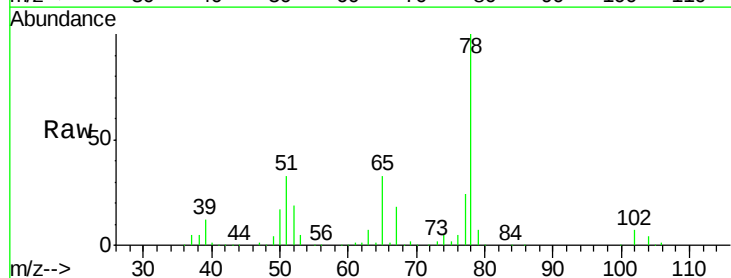
Manual Integrations
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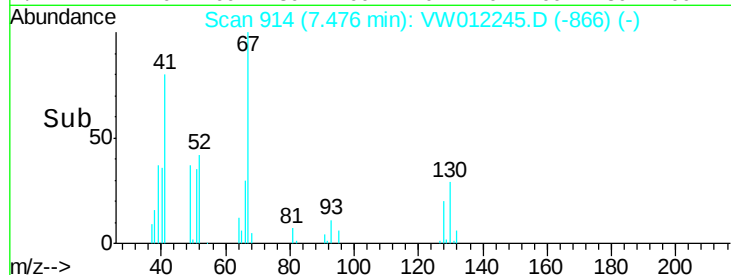
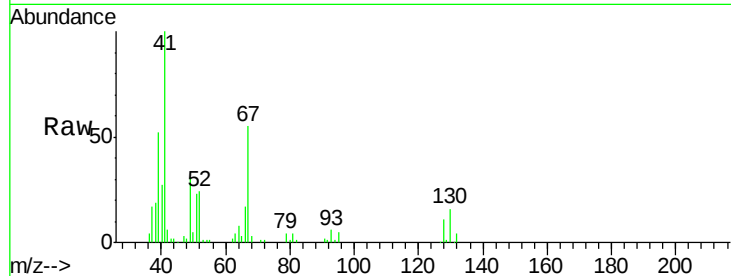
MMDadoda
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#40
Benzene
Concen: 19.590 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

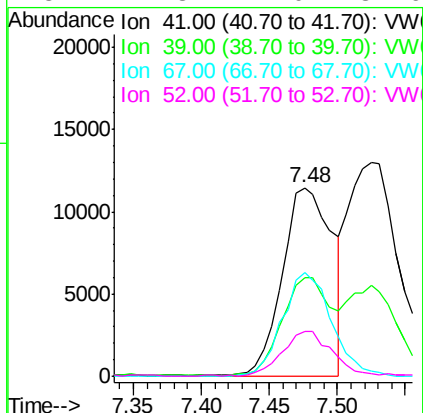
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.5	29.3





#41
Methacrylonitrile
Concen: 21.575 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

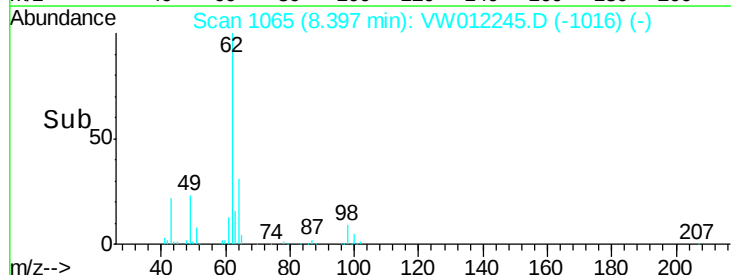
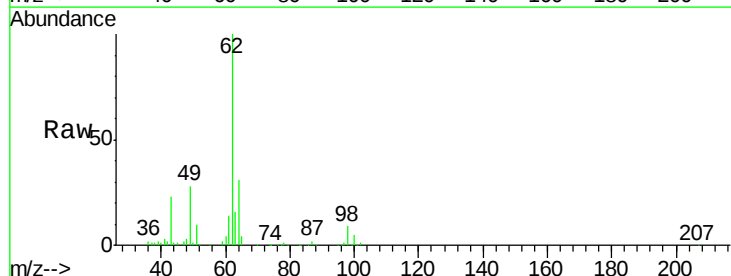
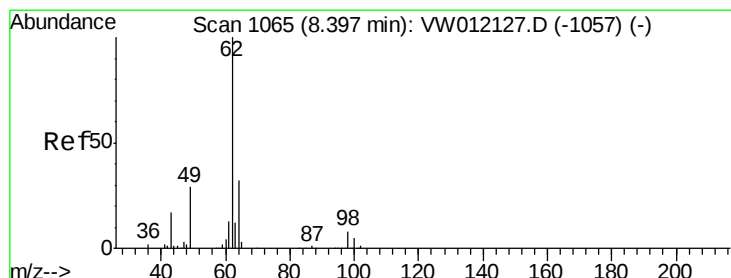
Tot Ion	Ratio	Lower	Upper
41	100		
39	51.9	45.8	68.8
67	53.8	46.2	69.4
52	24.3	21.0	31.6



Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

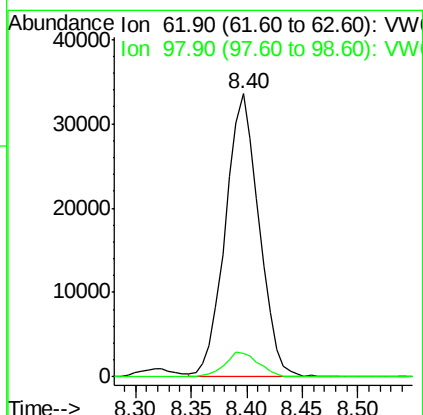
Manual Integrations
APPROVED

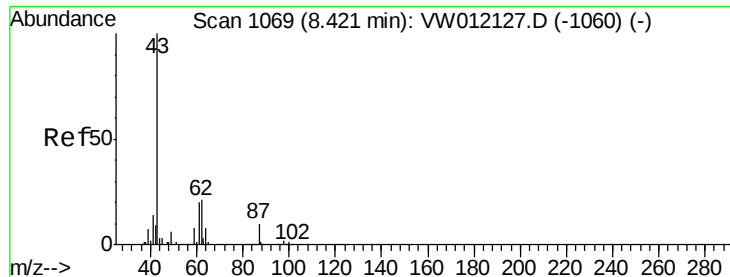
MMDadoda
8/29/2019 9:41:56 AM



#42
1,2-Dichloroethane
Concen: 19.456 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6





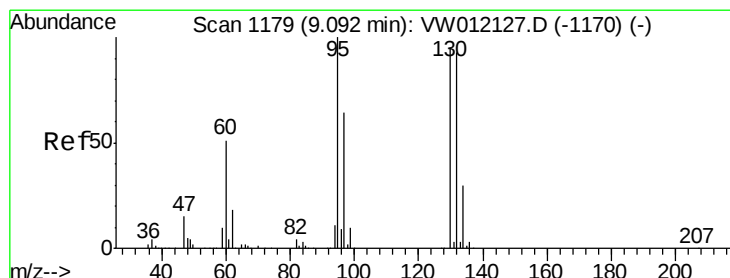
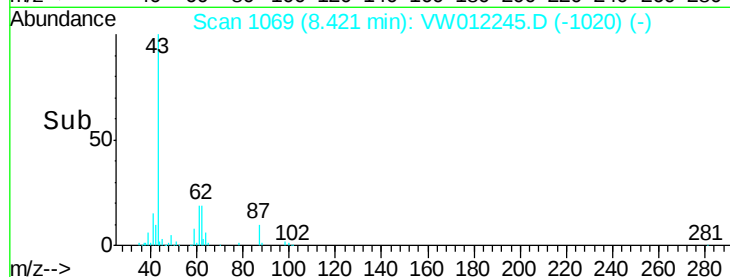
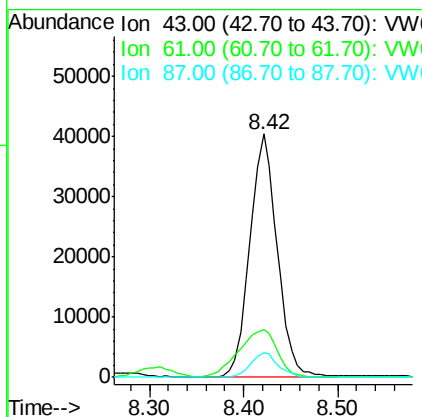
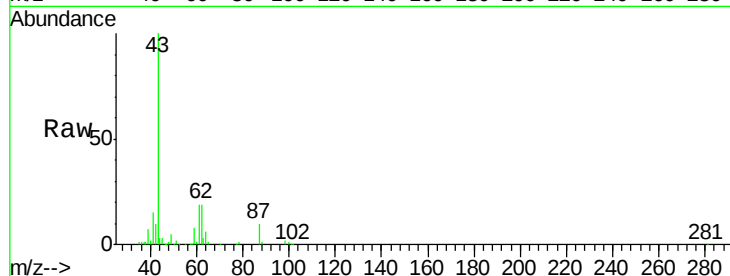
#43
Isopropyl Acetate
Concen: 19.288 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.1	31.7
87	10.3	8.2	12.2

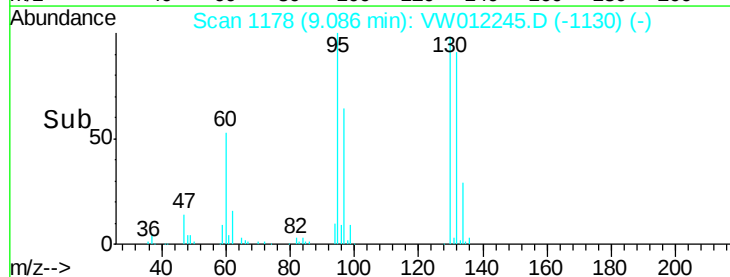
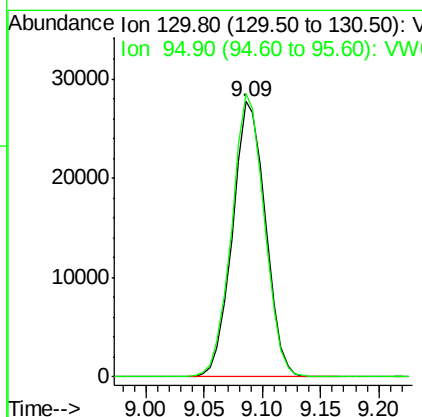
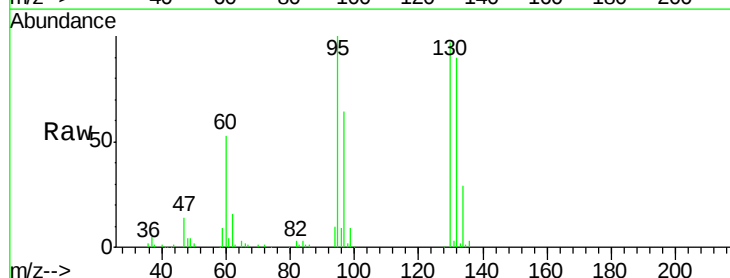
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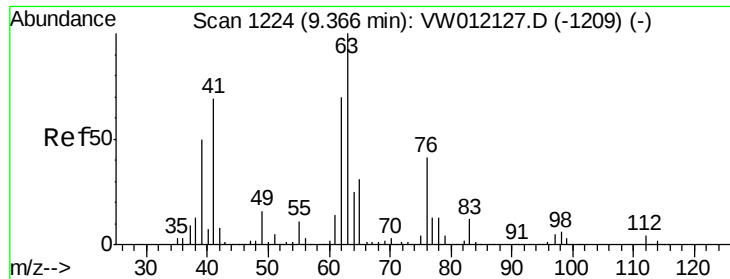
MMDadoda
8/29/2019 9:41:56 AM



#44
Trichloroethene
Concen: 19.584 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	210.6





#45

1,2-Dichloropropane

Concen: 19.598 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 63 Resp: 60672

Ion Ratio Lower Upper

63 100

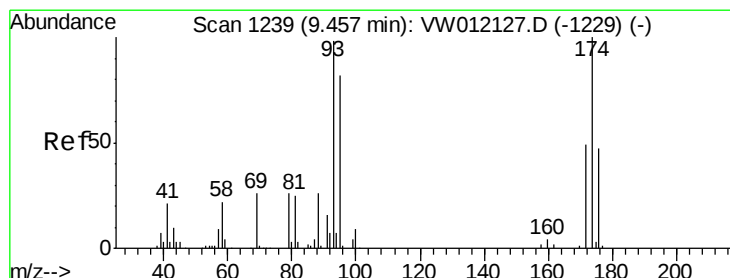
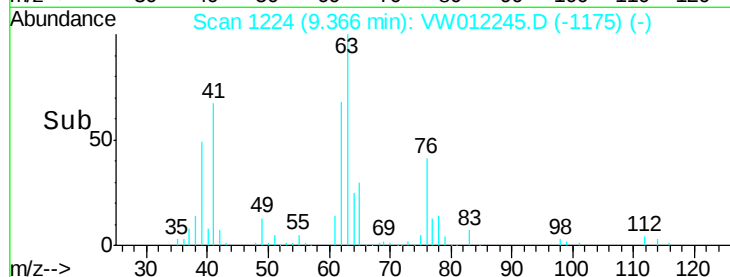
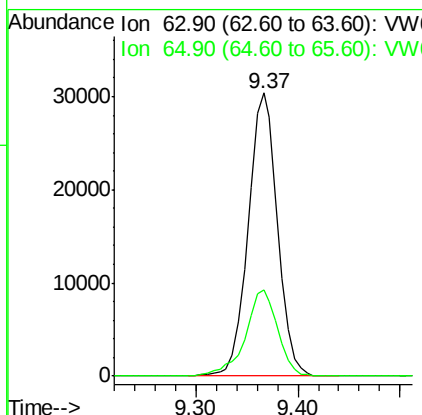
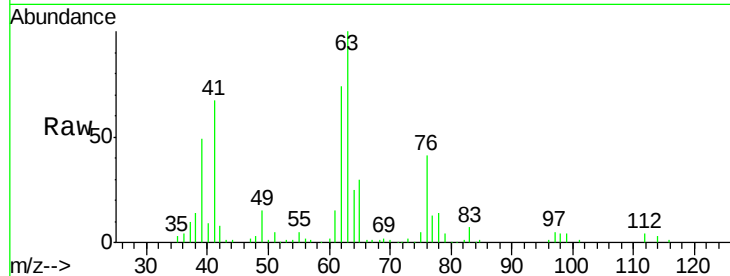
65 30.3 25.0 37.4

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#46

Dibromomethane

Concen: 19.093 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

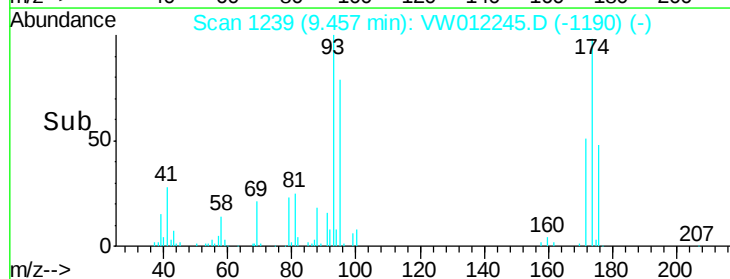
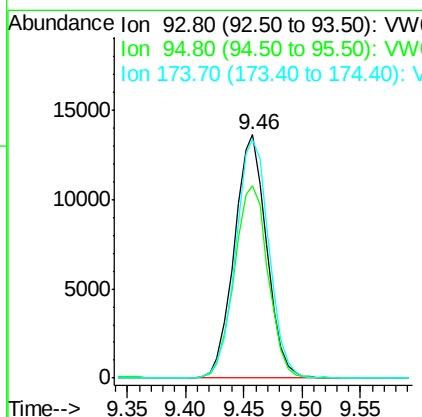
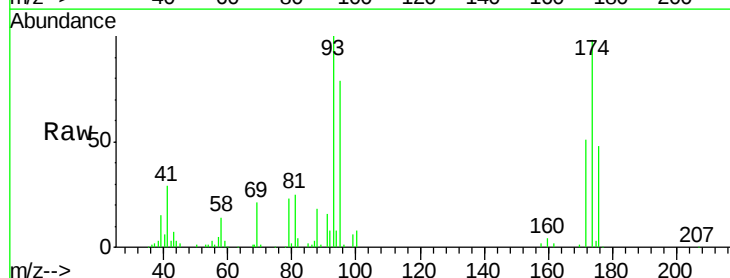
Tgt Ion: 93 Resp: 26299

Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

174 100.8 79.0 118.6





#47

Bromodichloromethane

Concen: 18.926 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

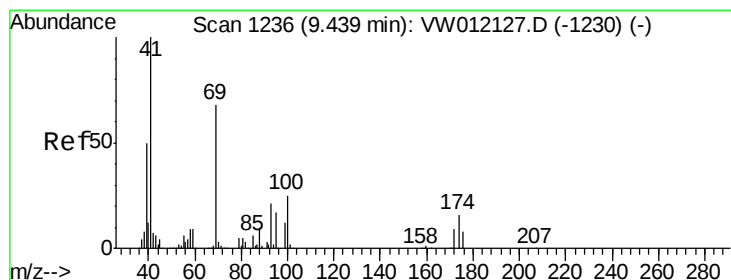
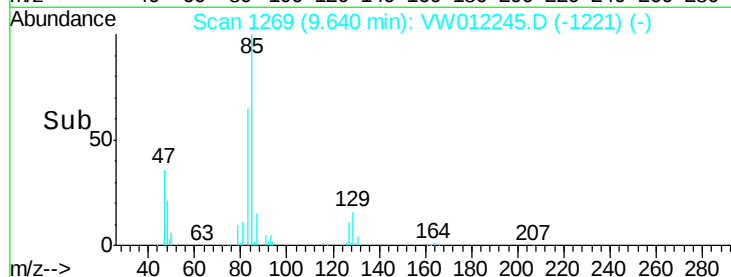
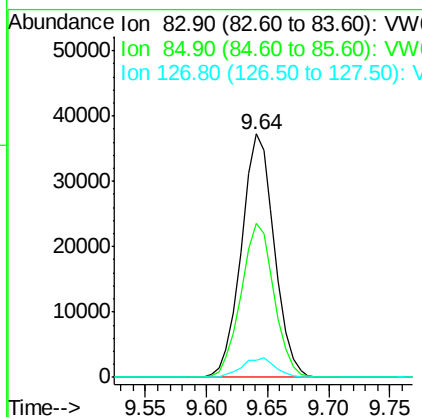
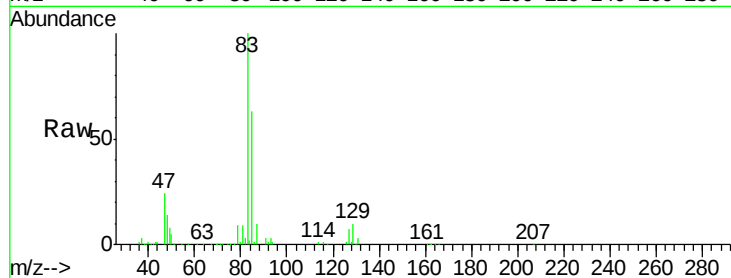
ClientSampleId :

VW0828SBS01

Tot Ion:	83	Resp:	69382
Ion Ratio	Lower	Upper	
83	100		
85	63.5	49.4	74.2
127	7.0	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.222 ug/l

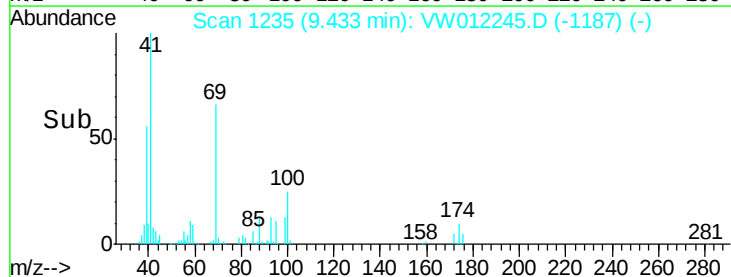
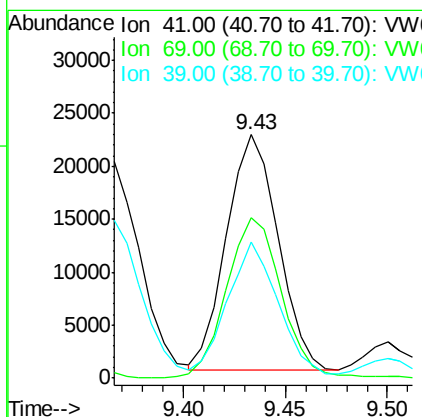
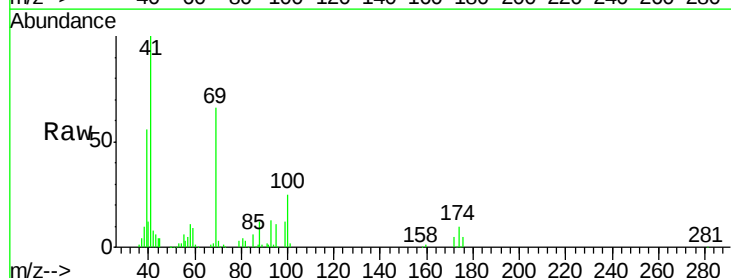
RT: 9.43 min Scan# 1235

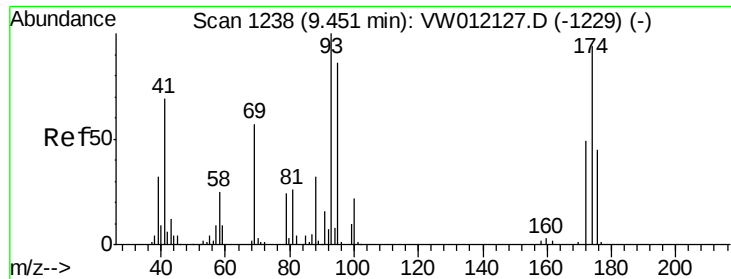
Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Tgt Ion:	41	Resp:	39120
Ion Ratio	Lower	Upper	
41	100		
69	73.2	56.7	85.1
39	57.4	42.0	63.0





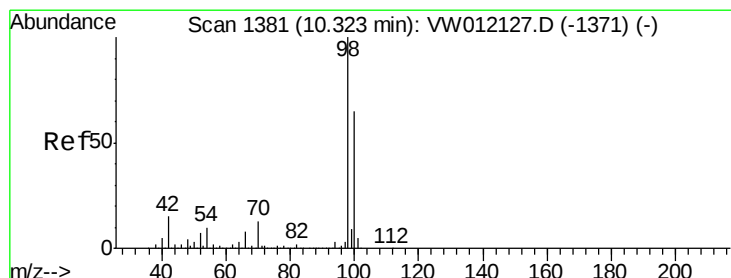
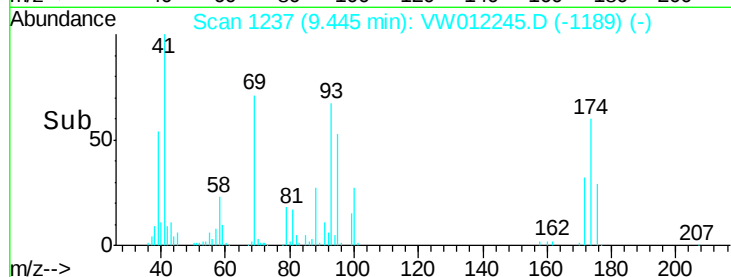
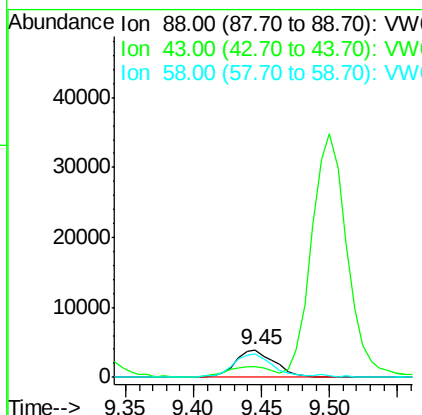
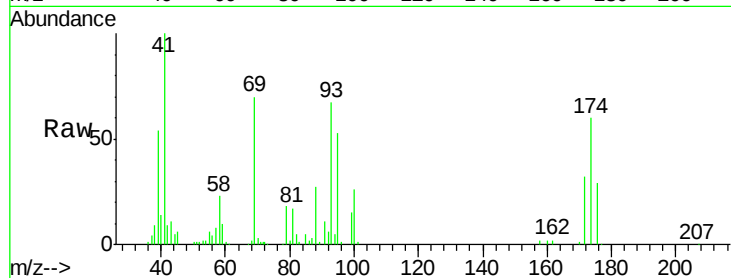
#49
1,4-Dioxane
Concen: 383.225 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.5	32.9	49.3
58	84.8	71.0	106.4

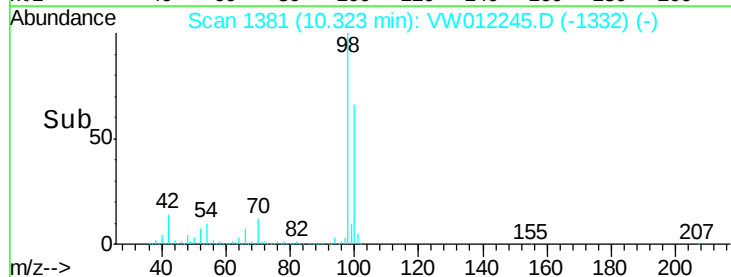
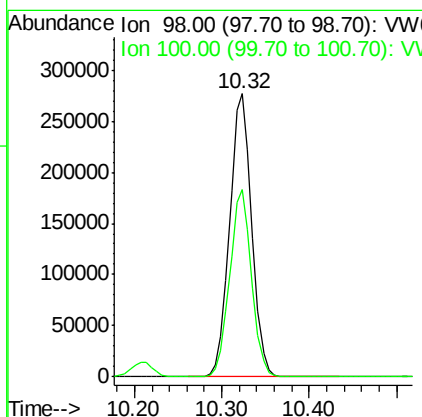
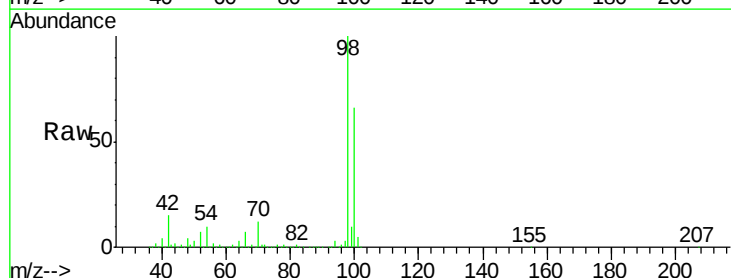
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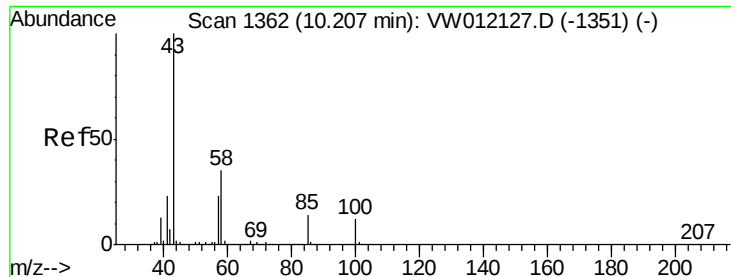
MMDadoda
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#50
Toluene-d8
Concen: 49.006 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 99.311 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampled :

VW0828SBS01

Tot Ion: 43 Resp: 215995

Ion Ratio Lower Upper

43 100

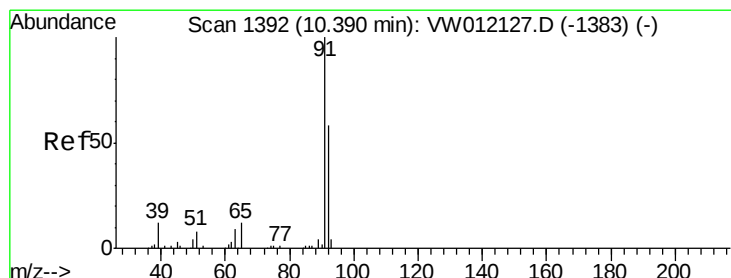
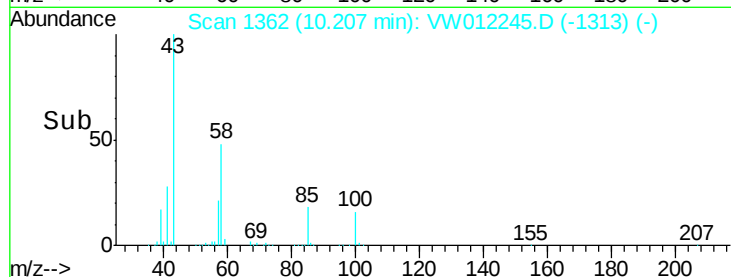
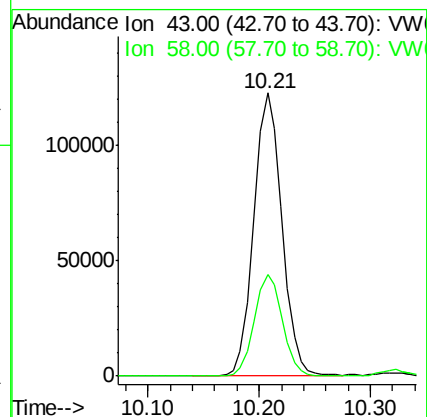
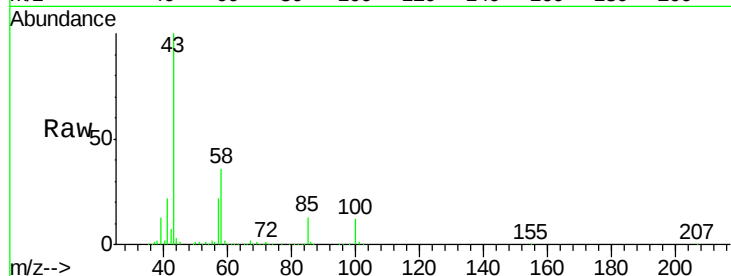
58 35.7 28.2 42.2

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#52

Toluene

Concen: 19.942 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012245.D

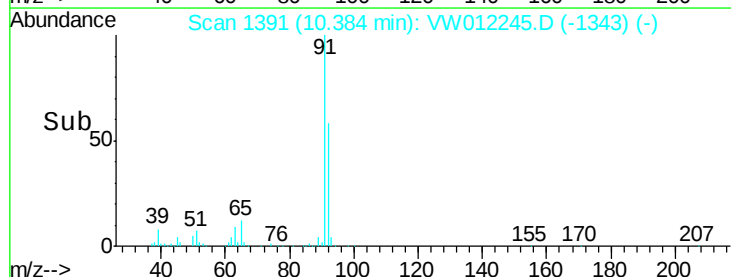
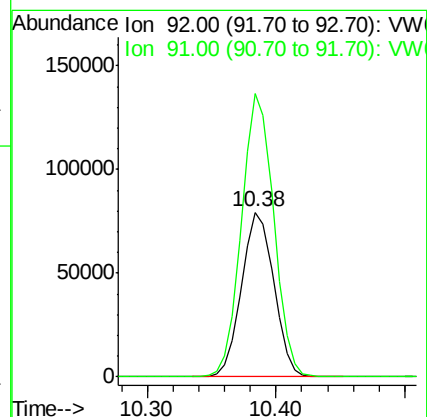
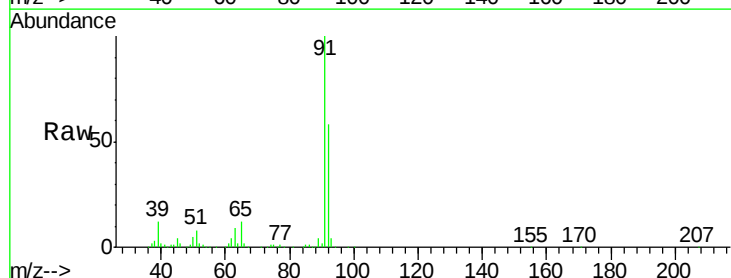
Acq: 28 Aug 2019 11:22

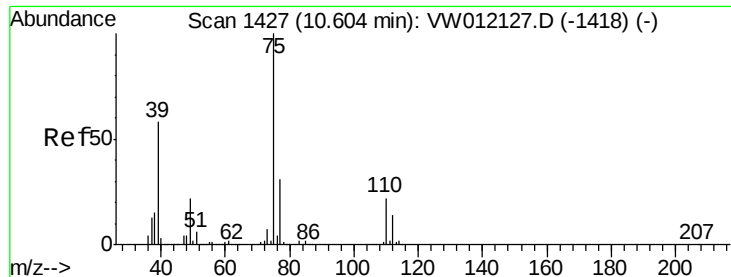
Tgt Ion: 92 Resp: 137806

Ion Ratio Lower Upper

92 100

91 171.4 136.6 204.8





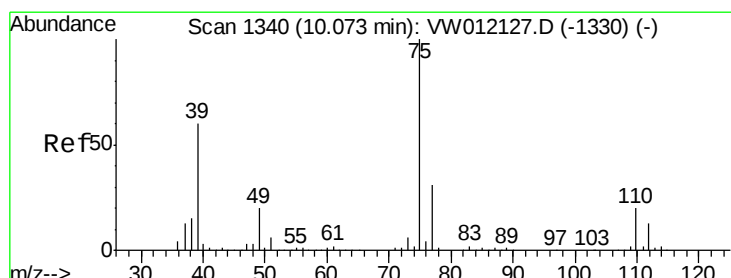
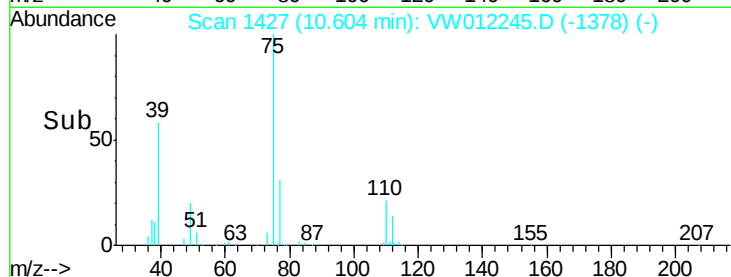
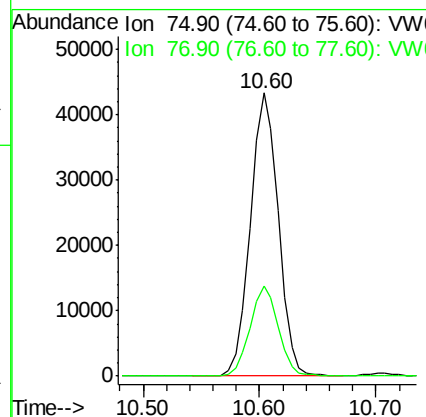
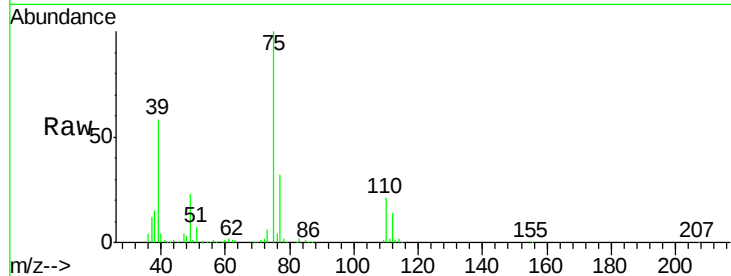
#53
t-1,3-Dichloropropene
Concen: 19.468 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4

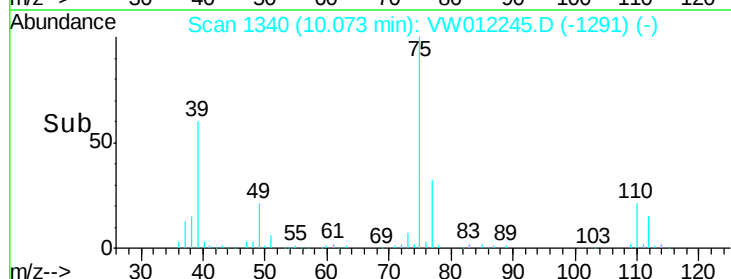
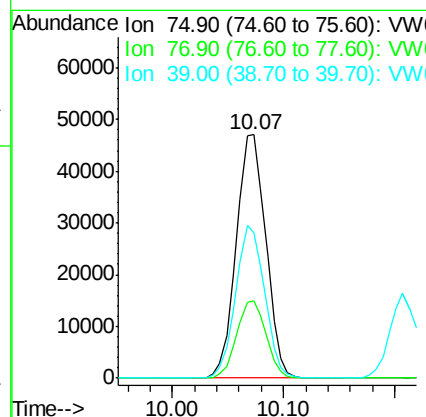
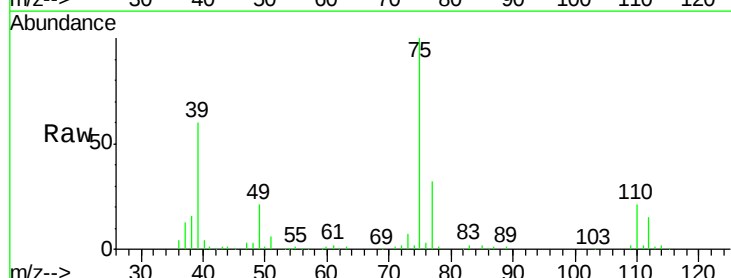
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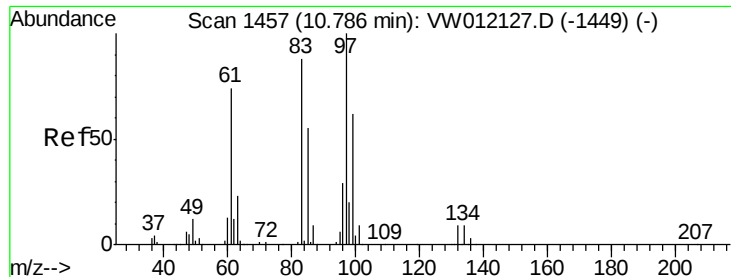
MMDadoda
8/29/2019 9:41:56 AM



#54
cis-1,3-Dichloropropene
Concen: 19.280 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7
39	59.5	48.3	72.5





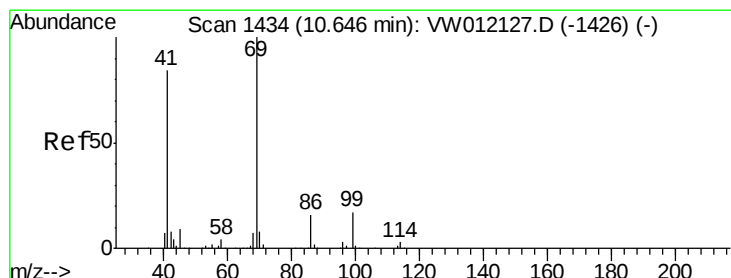
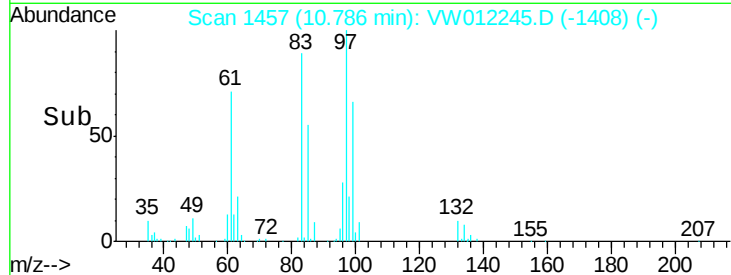
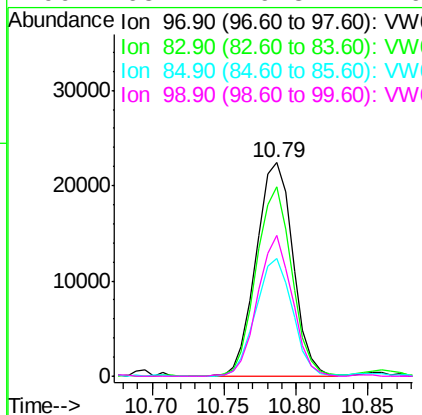
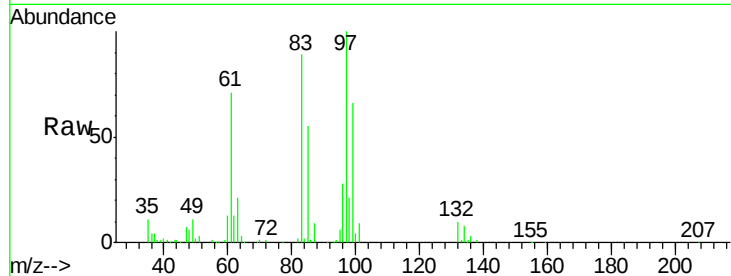
#55
 1,1,2-Trichloroethane
 Concen: 20.381 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion:	97	Resp:	39719
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.8	106.2
85	55.0	43.8	65.8
99	65.7	49.8	74.6

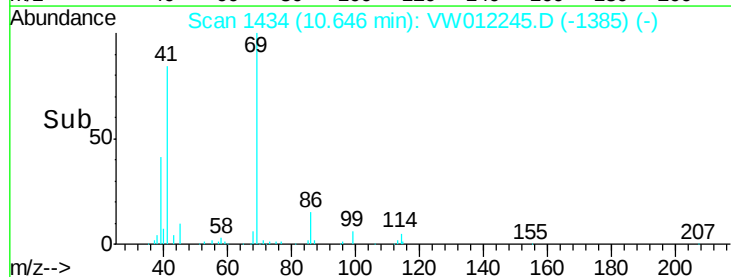
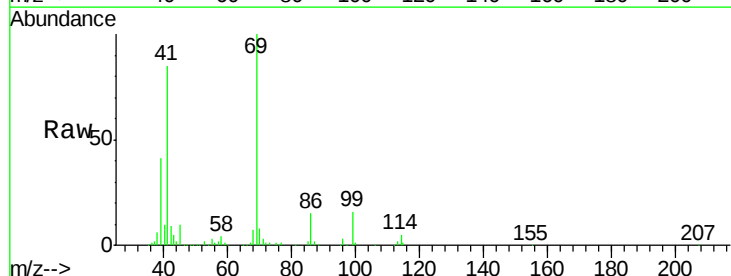
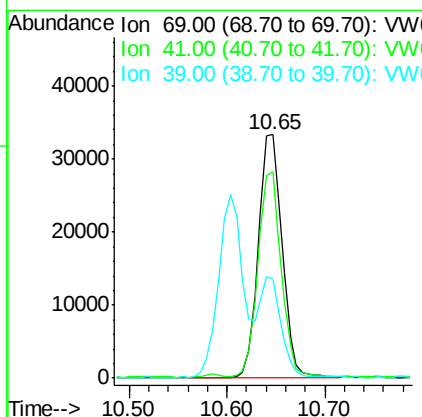
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#56
 Ethyl methacrylate
 Concen: 19.967 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion:	69	Resp:	56634
Ion	Ratio	Lower	Upper
69	100		
41	82.3	66.5	99.7
39	36.5	31.0	46.4





#57

1,3-Dichloropropane

Concen: 19.835 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 76 Resp: 73050

Ion Ratio Lower Upper

76 100

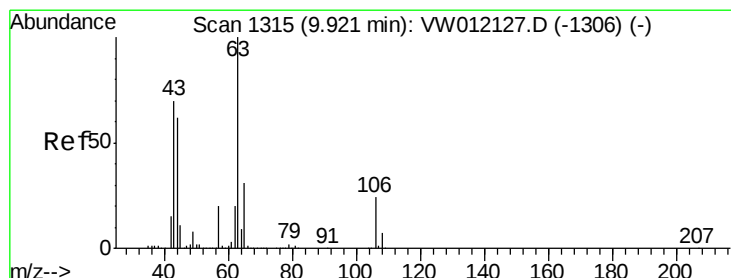
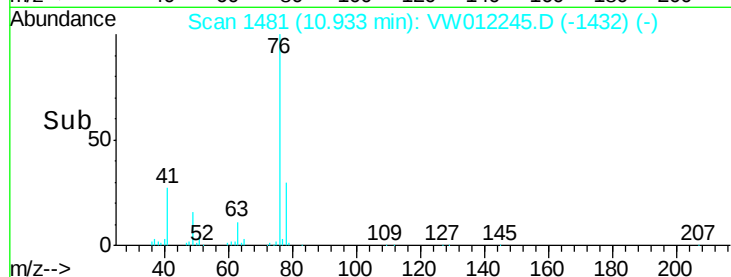
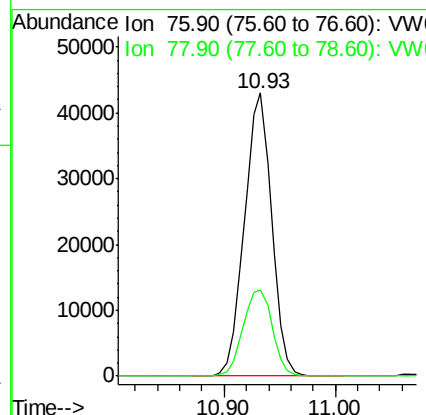
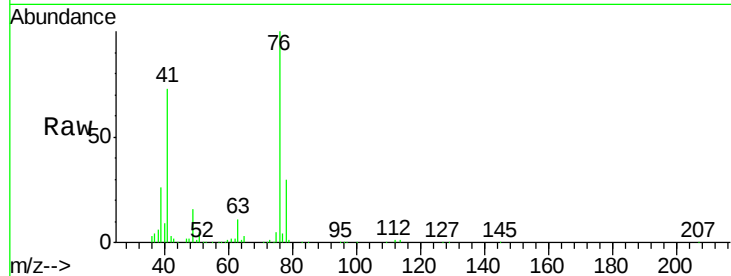
78 32.8 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 94.546 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012245.D

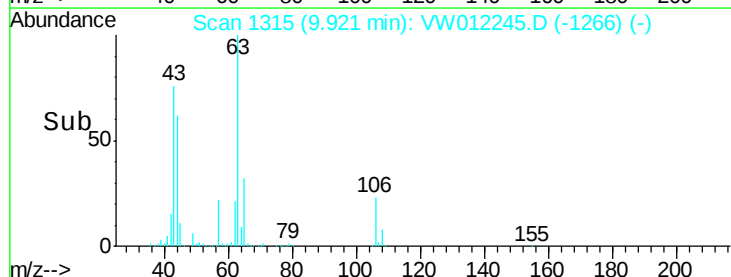
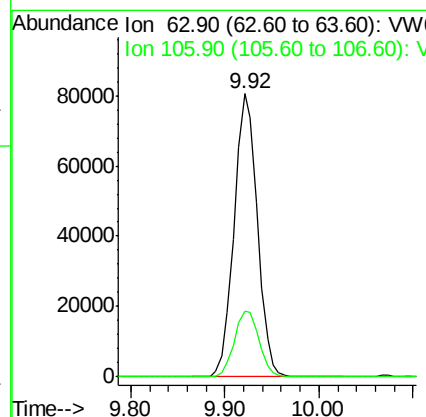
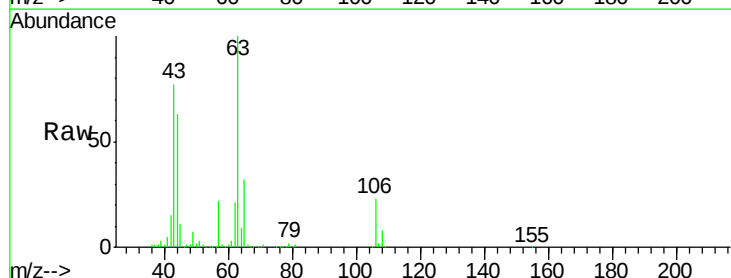
Acq: 28 Aug 2019 11:22

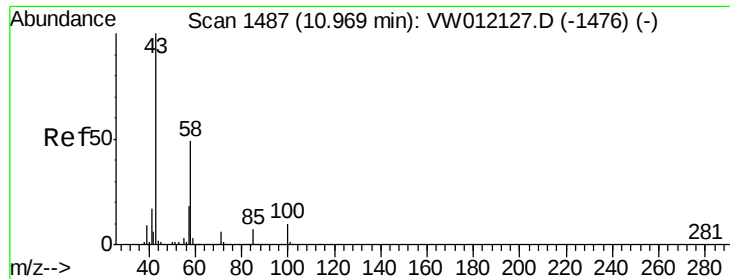
Tgt Ion: 63 Resp: 137632

Ion Ratio Lower Upper

63 100

106 24.7 19.8 29.8





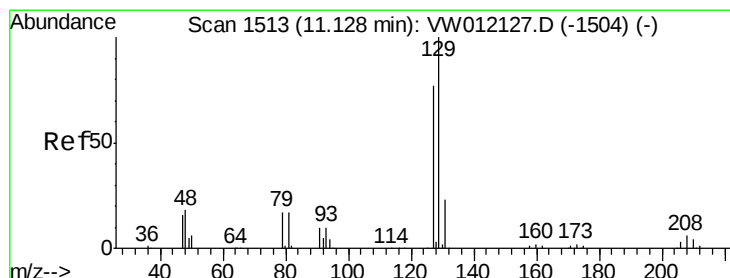
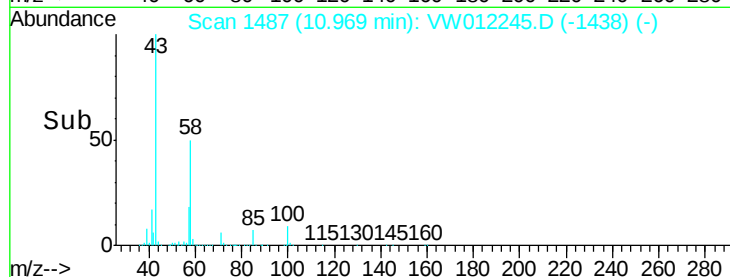
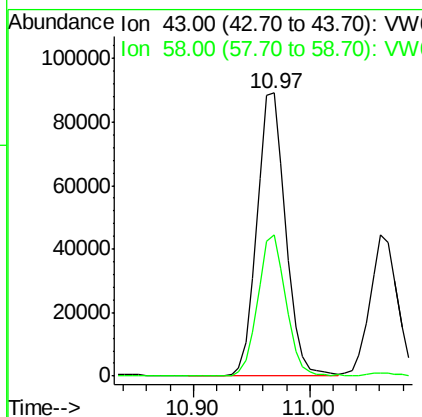
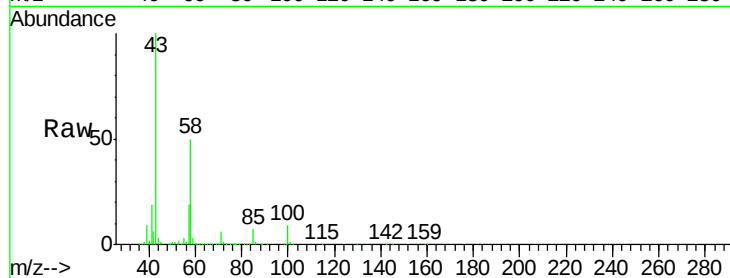
#59
2-Hexanone
Concen: 99.186 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion: 43 Resp: 152638
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9

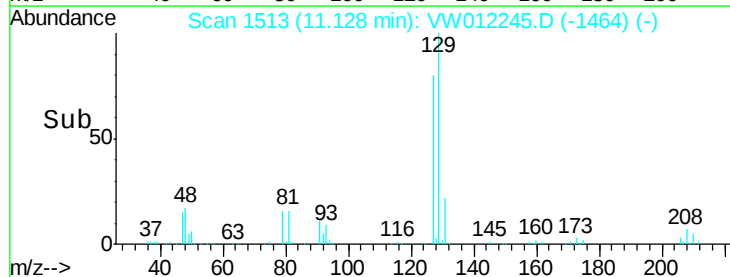
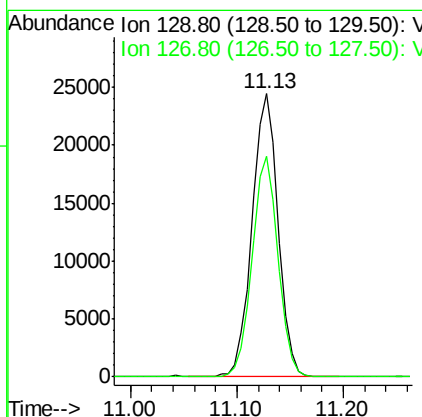
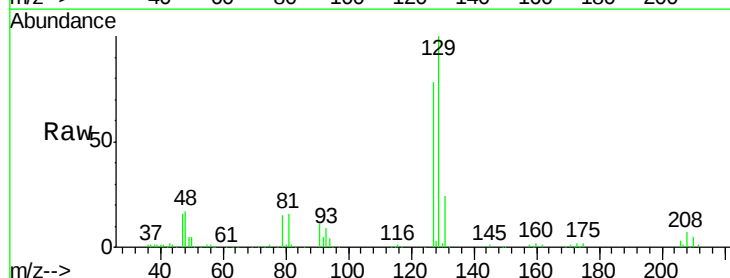
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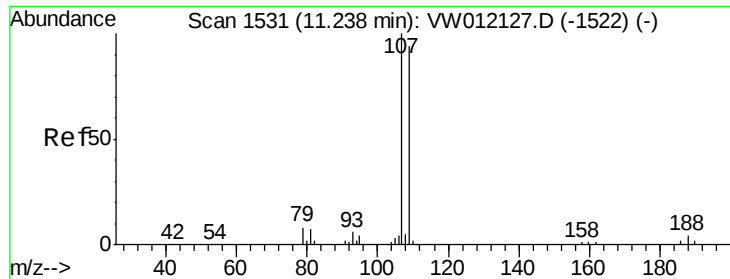
MMDadoda
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#60
Dibromochloromethane
Concen: 19.395 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 129 Resp: 42100
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.687 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion: 107 Resp: 35745

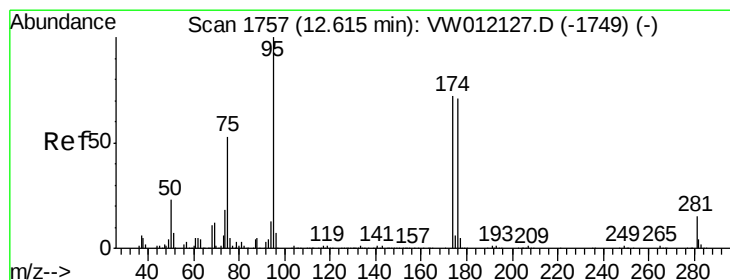
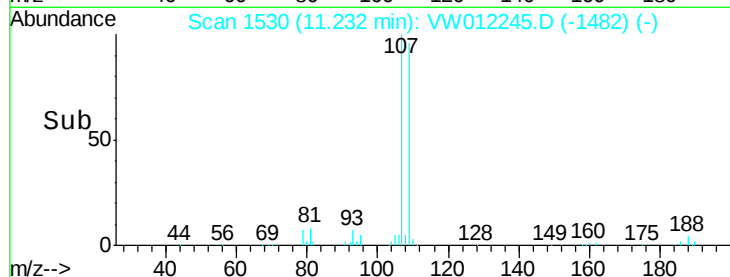
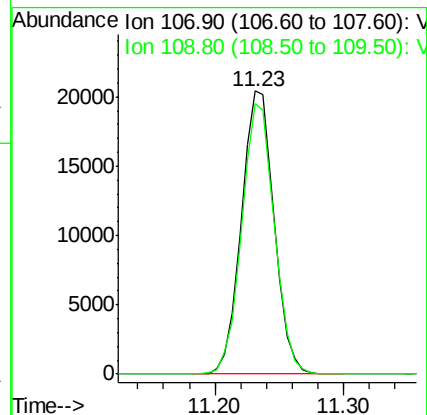
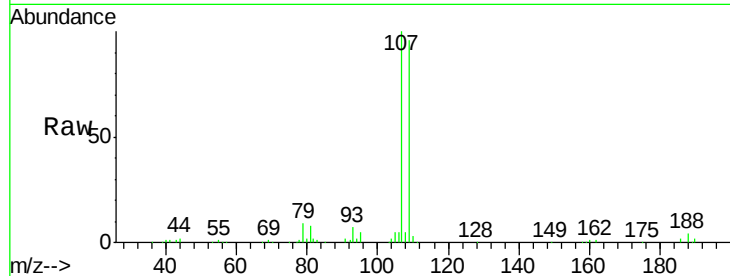
Ion Ratio Lower Upper

107 100

109 95.5 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 48.918 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

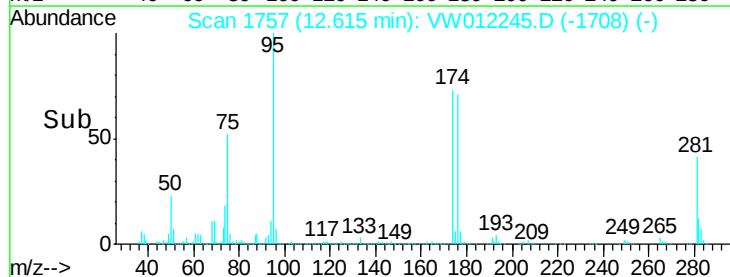
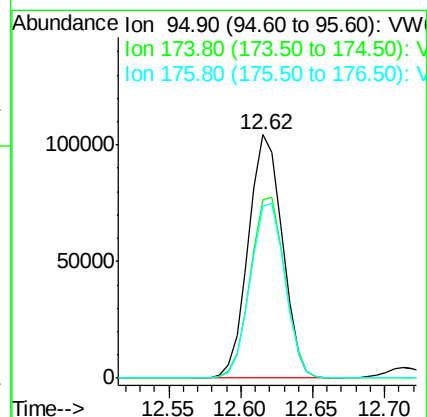
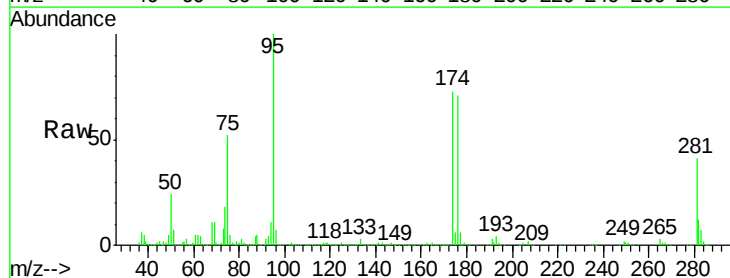
Tgt Ion: 95 Resp: 170132

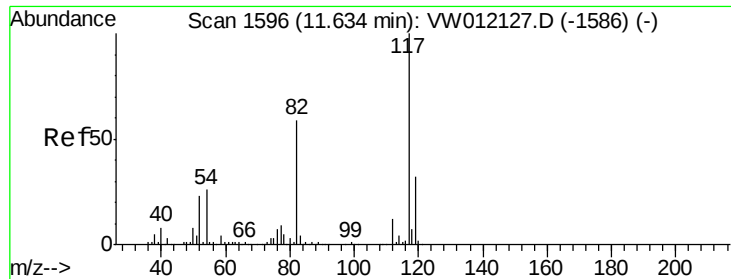
Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.8

176 73.5 0.0 148.6





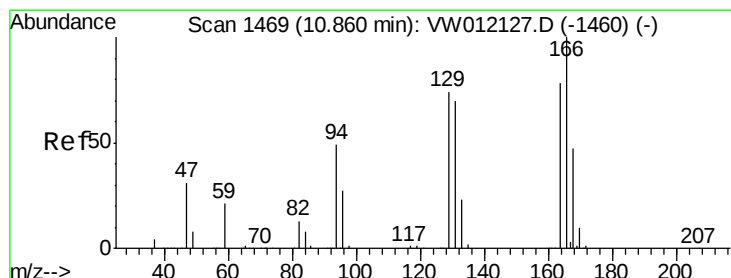
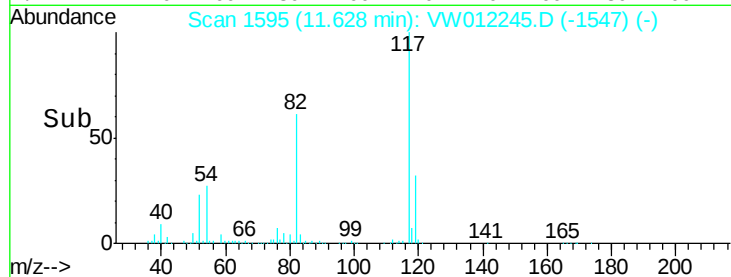
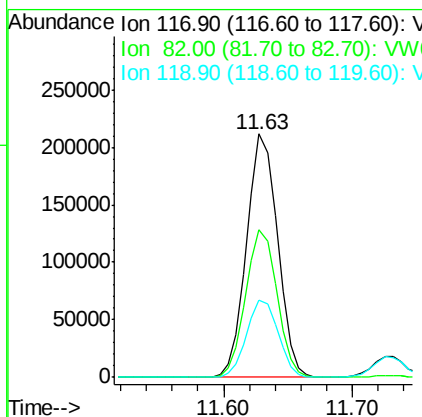
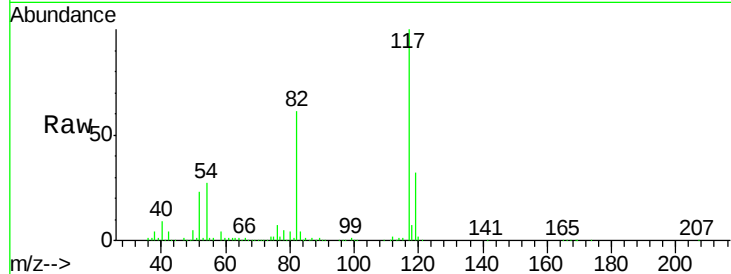
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	352345		
82	60.5		47.4	71.2
119	31.6		25.4	38.2

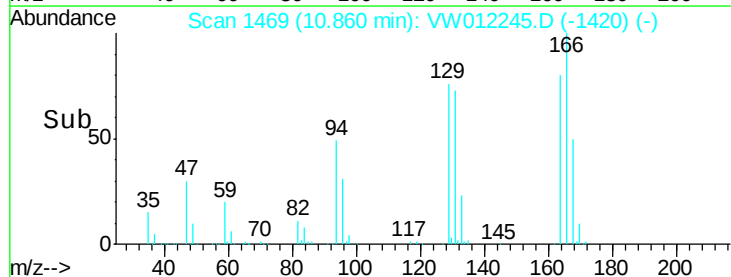
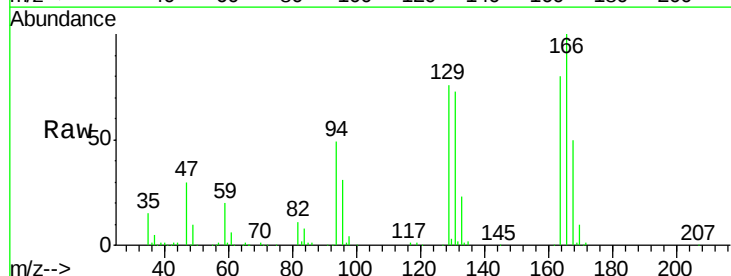
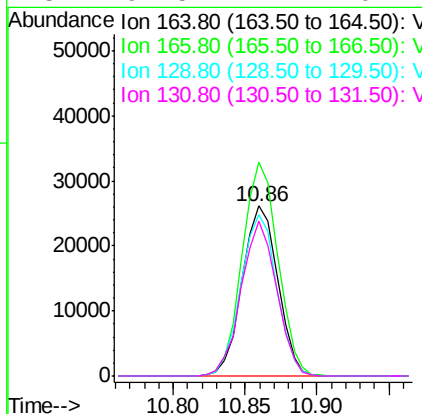
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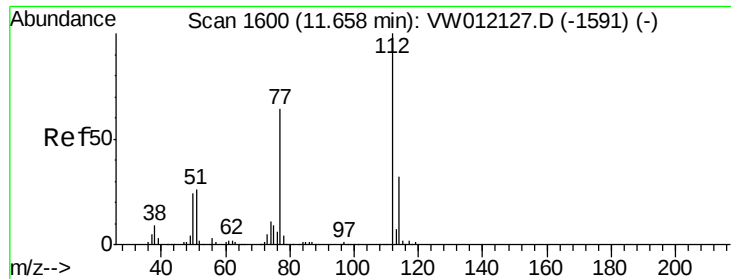
MMDadoda
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#64
Tetrachloroethene
Concen: 19.616 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44811		
166	125.7		102.4	153.6
129	94.9		75.8	113.6
131	91.5		71.4	107.2





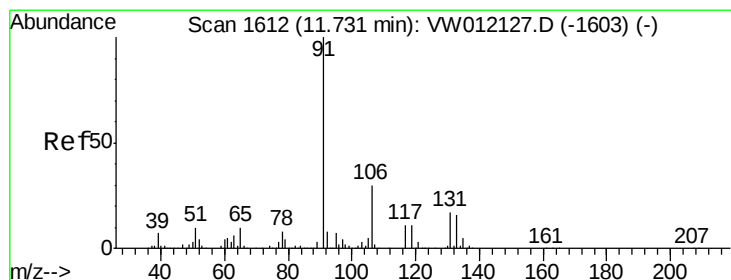
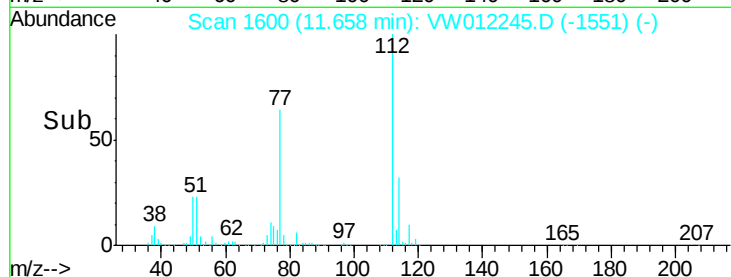
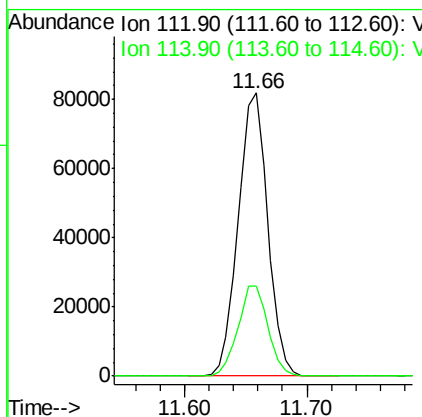
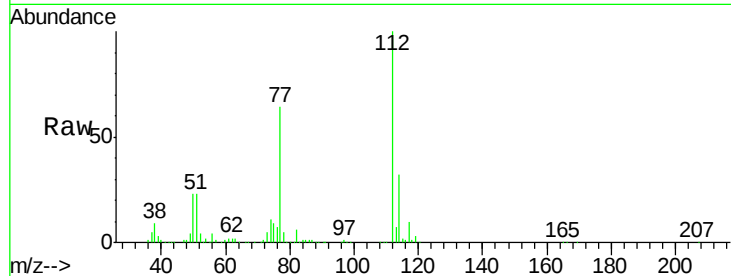
#65
Chlorobenzene
Concen: 19.759 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

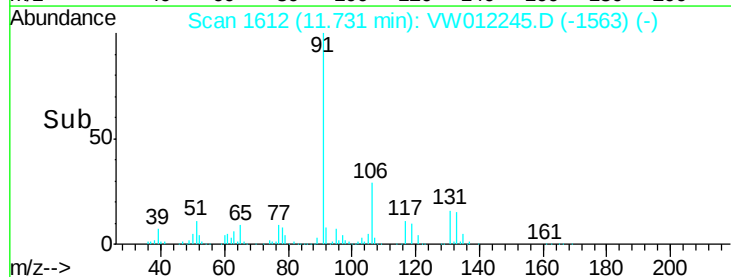
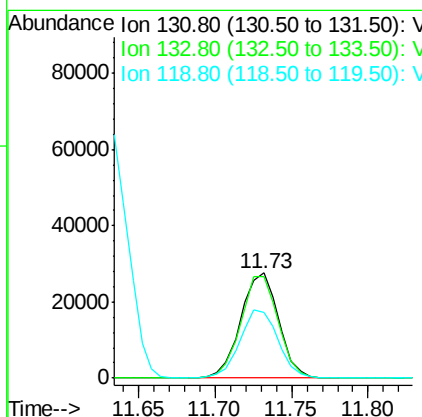
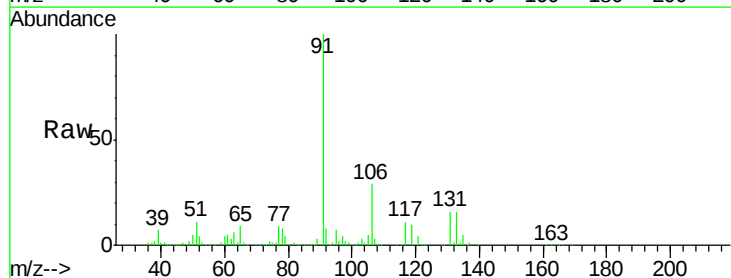
Manual Integrations
APPROVED

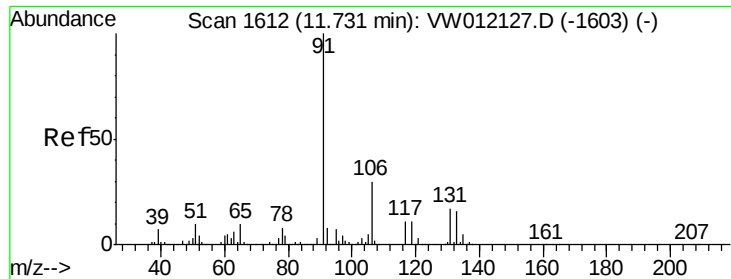
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.556 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.1	141.3
119	65.8	31.8	95.3





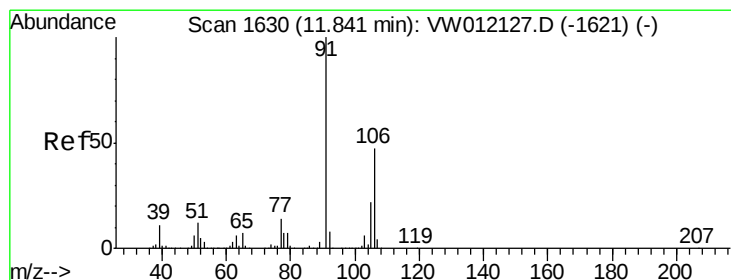
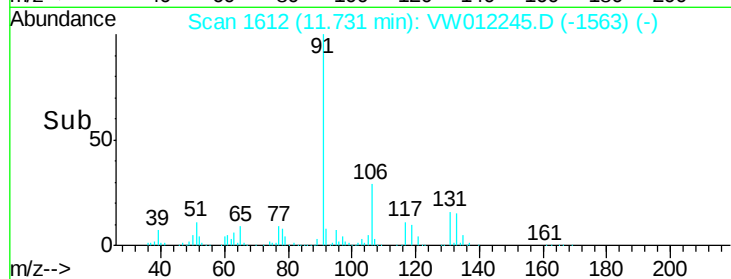
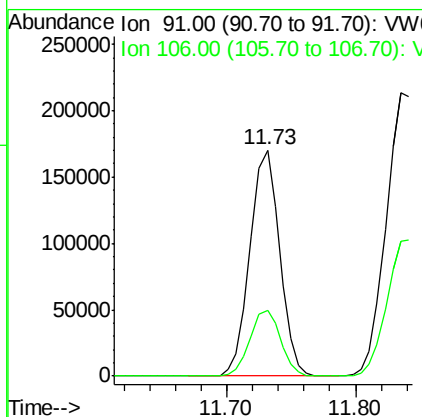
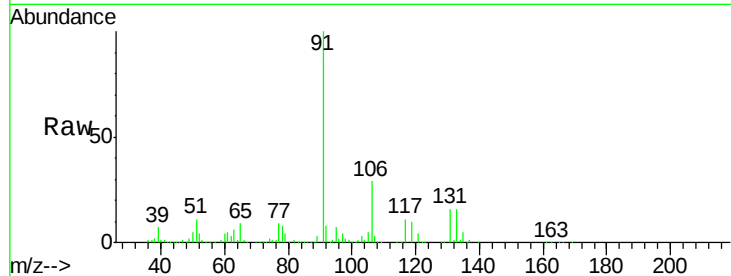
#67
Ethyl Benzene
Concen: 20.228 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion: 91 Resp: 270344
Ion Ratio Lower Upper
91 100
106 29.1 24.3 36.5

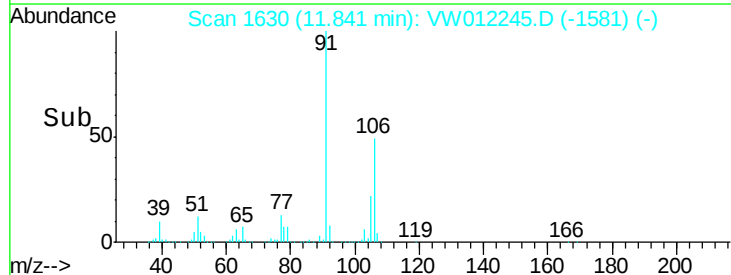
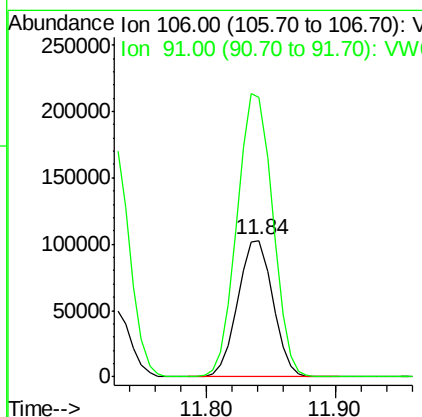
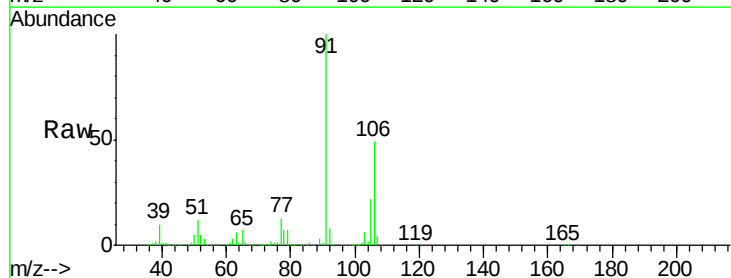
Manual Integrations
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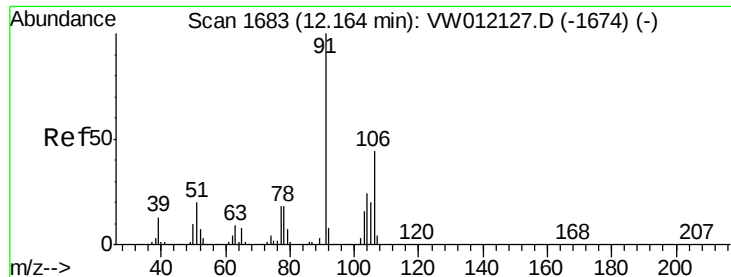
MMDadoda
8/29/2019 9:41:56 AM



#68
m/p-Xylenes
Concen: 40.378 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 106 Resp: 194386
Ion Ratio Lower Upper
106 100
91 210.5 169.5 254.3





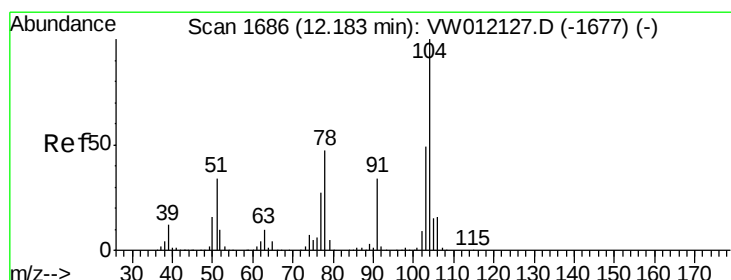
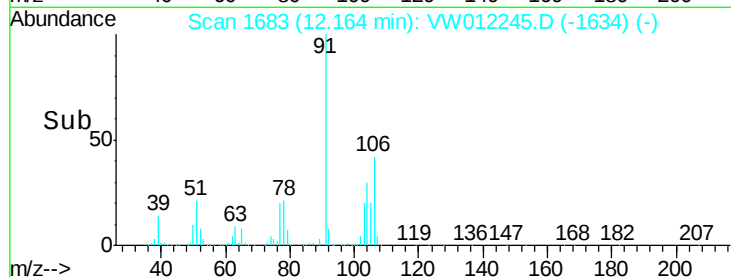
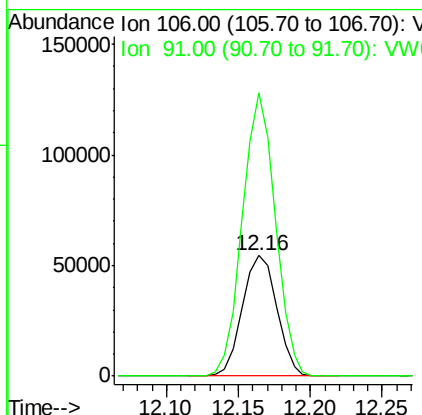
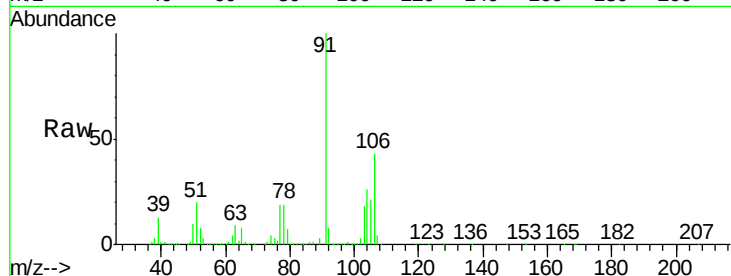
#69
o-Xylene
Concen: 20.316 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	224.0	111.6	90522	334.6	

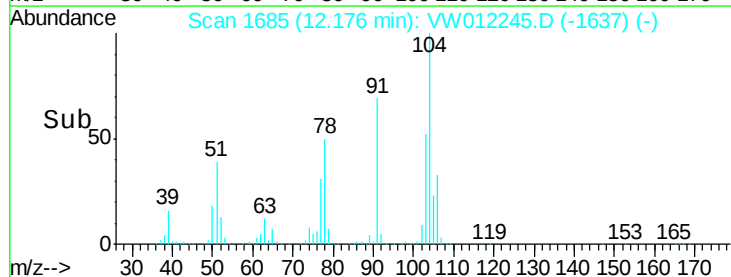
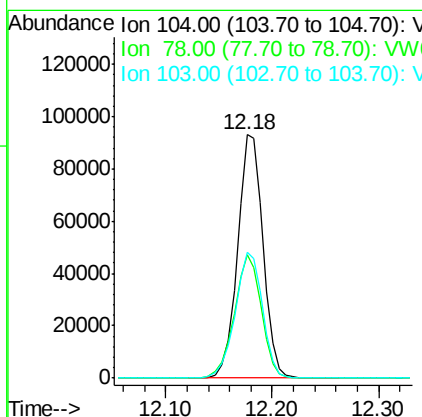
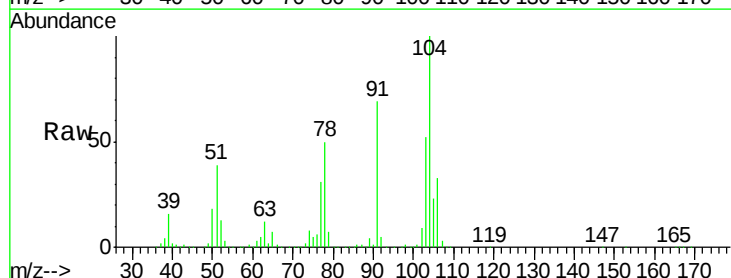
Manual Integrations
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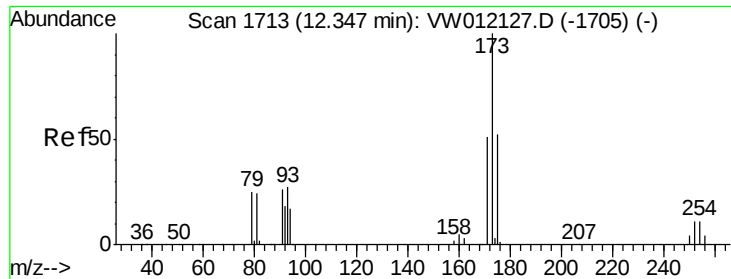
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#70
Styrene
Concen: 20.224 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.7	43.1	155973	64.7	
103	55.3	43.5		65.3	





#71

Bromoform

Concen: 18.991 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

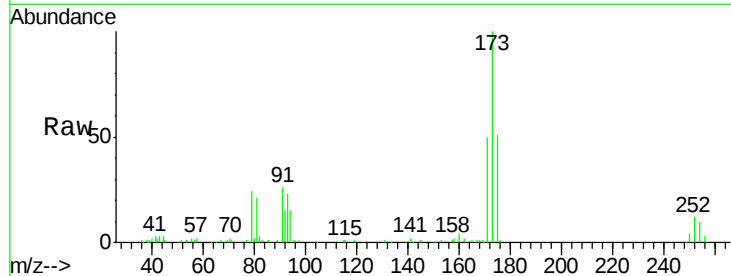
ClientSampleId :

VW0828SBS01

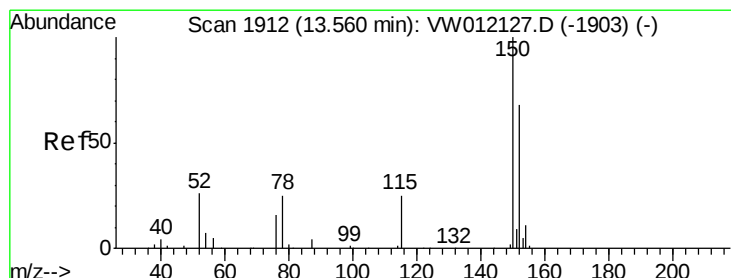
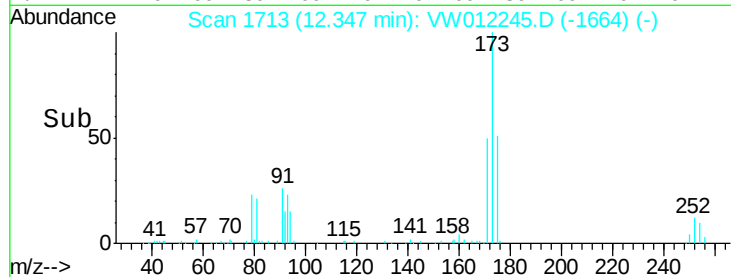
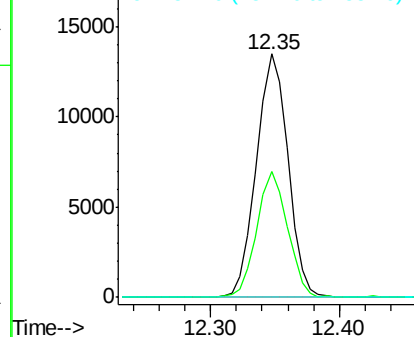
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		22901		
175	50.1	24.6	74.0		
254	0.0	0.2	0.2		

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

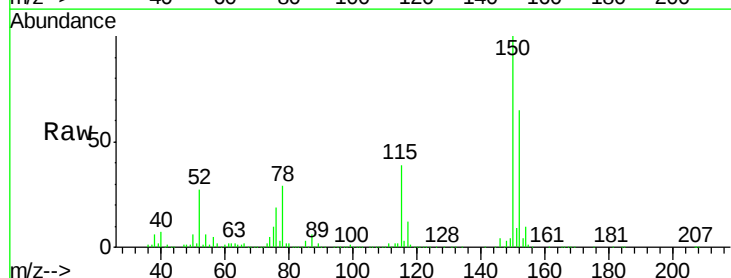
RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

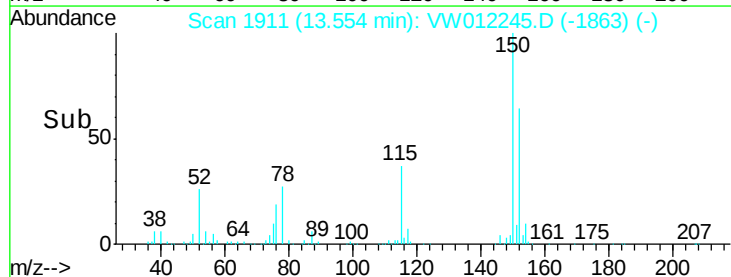
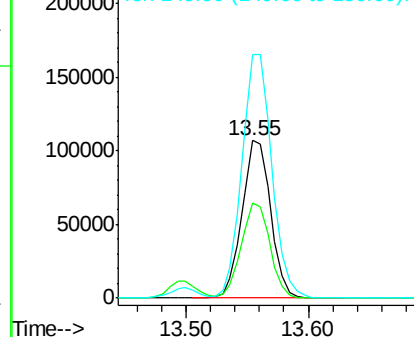
Lab File: VW012245.D

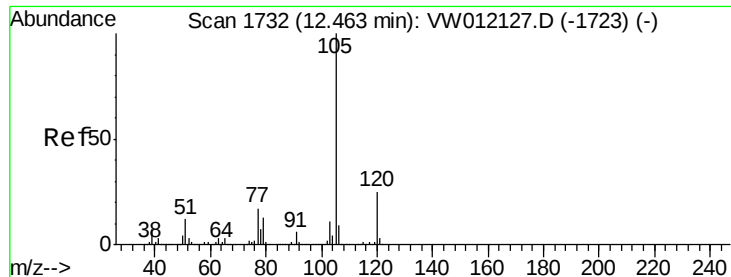
Acq: 28 Aug 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		171889		
115	60.1	30.1	90.3		
150	162.9	0.0	345.8		



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





#73

Isopropylbenzene

Concen: 20.270 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion:105 Resp: 261069

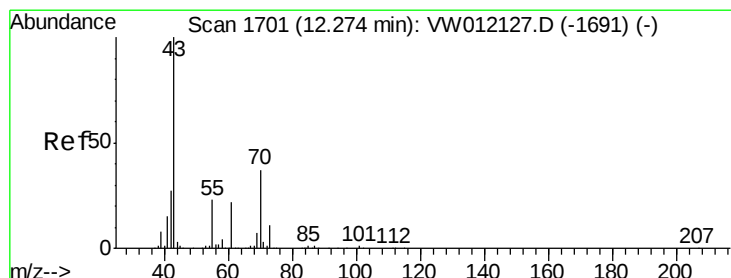
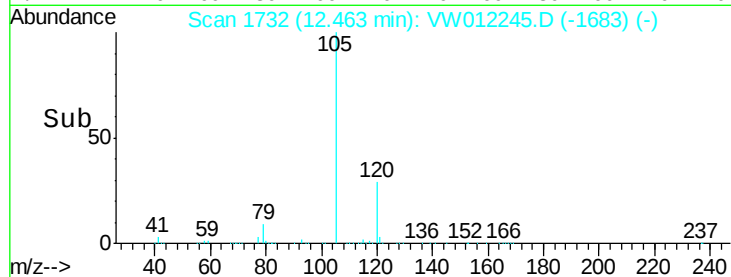
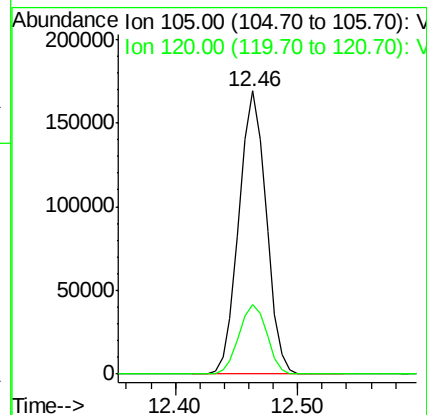
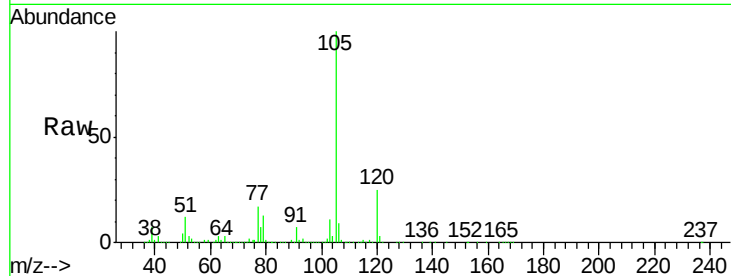
Ion Ratio Lower Upper

105 100

120 25.2 12.5 37.5

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#74

N-ethyl acetate

Concen: 19.787 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Tgt Ion: 43 Resp: 77000

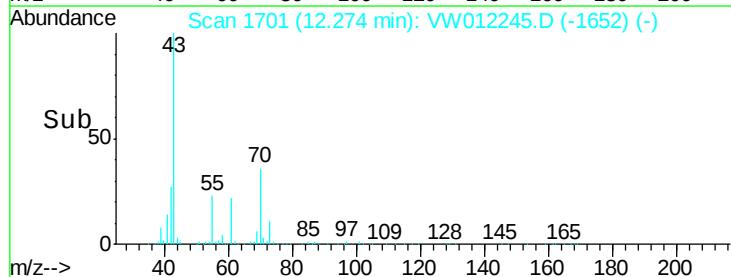
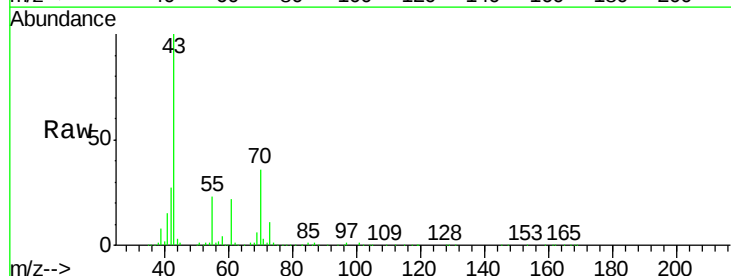
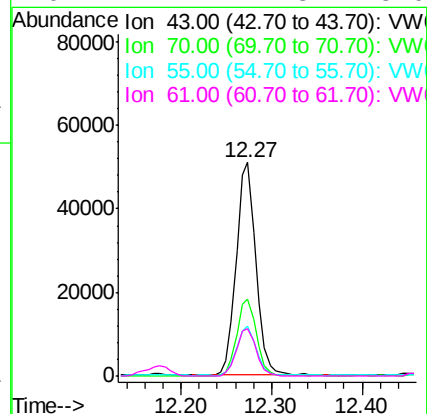
Ion Ratio Lower Upper

43 100

70 36.3 28.6 43.0

55 22.8 17.8 26.6

61 22.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.145 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

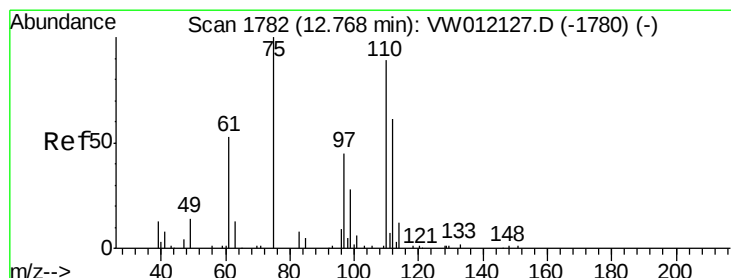
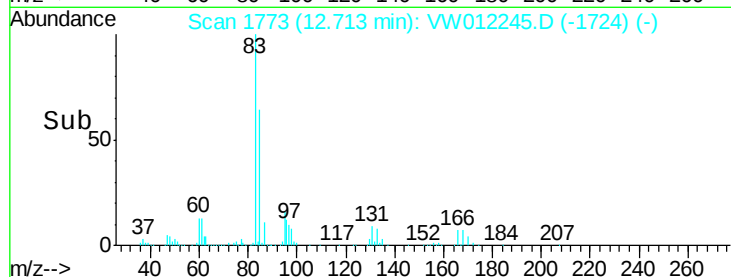
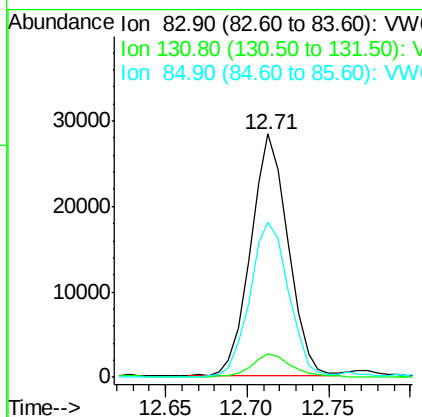
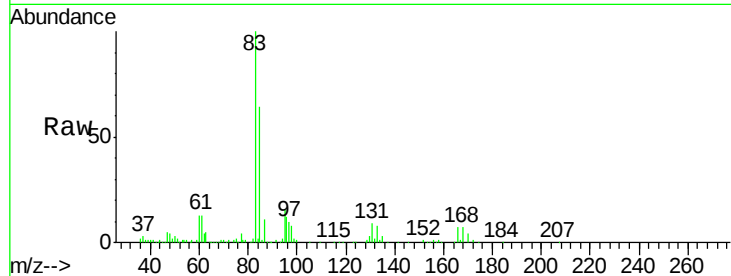
ClientSampleId :

VW0828SBS01

Tot Ion:	83	Resp:	45207
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	66.9	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 22.747 ug/l m

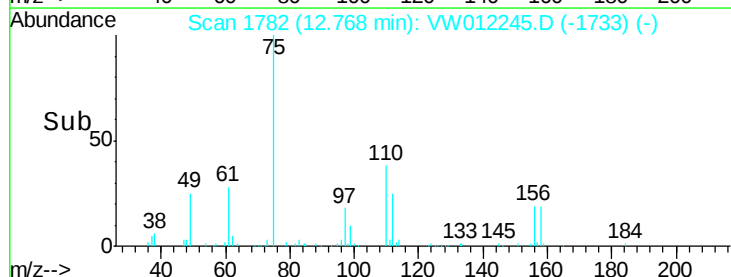
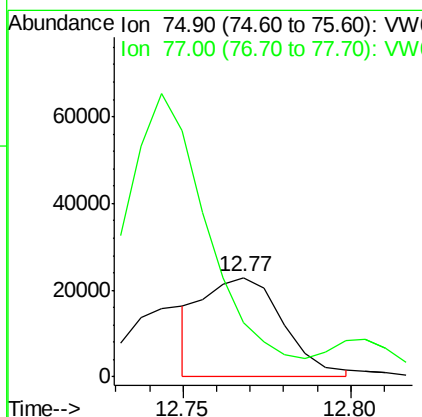
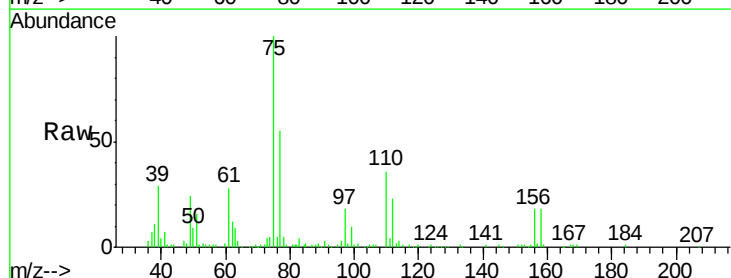
RT: 12.77 min Scan# 1782

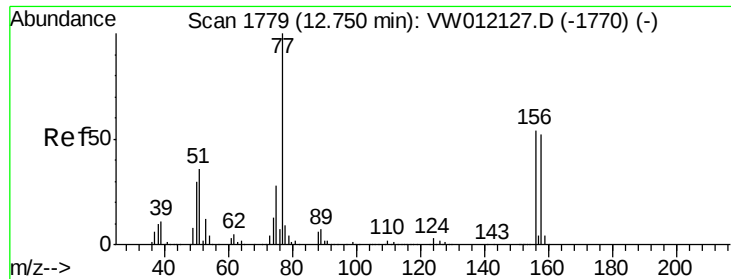
Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Tgt Ion:	75	Resp:	38080
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





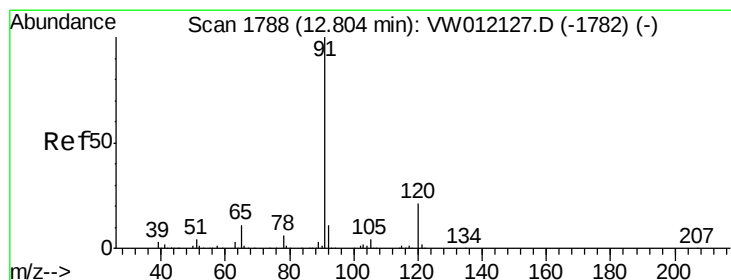
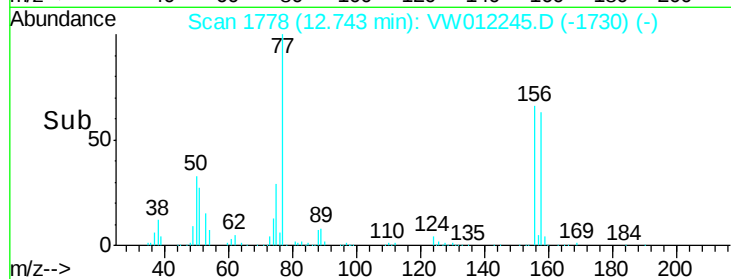
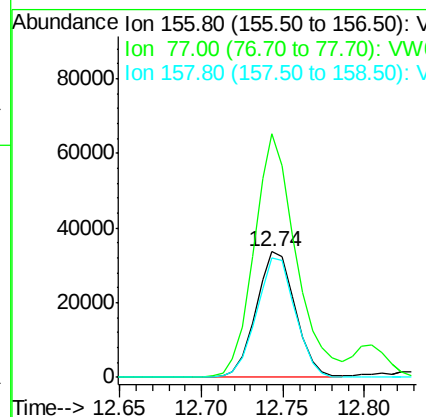
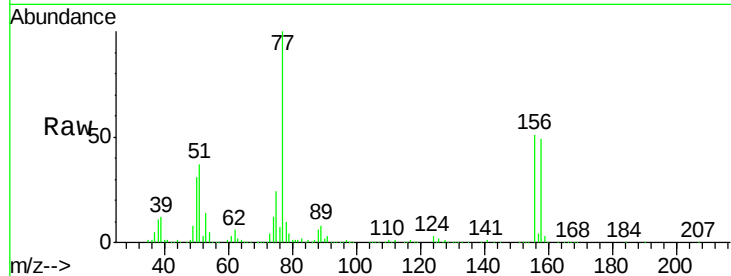
#77
Bromobenzene
Concen: 20.157 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	206.9	107.3	321.8
158	94.0	49.0	147.0

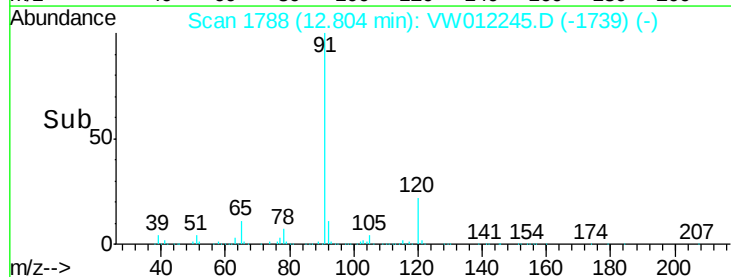
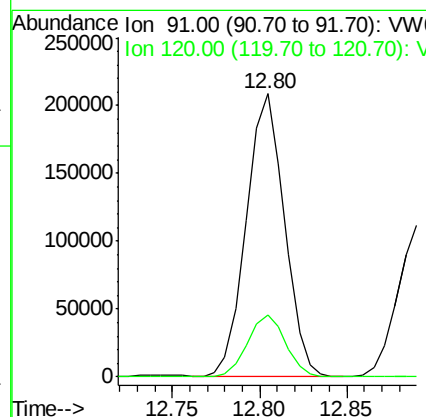
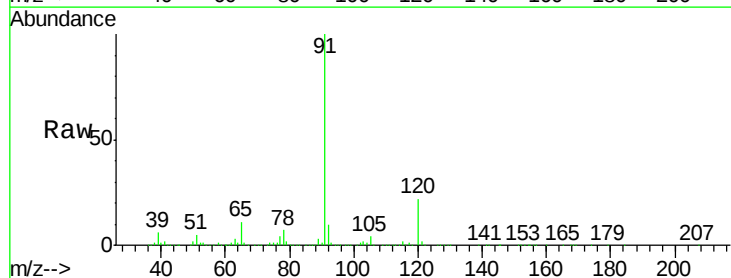
Manual Integrations
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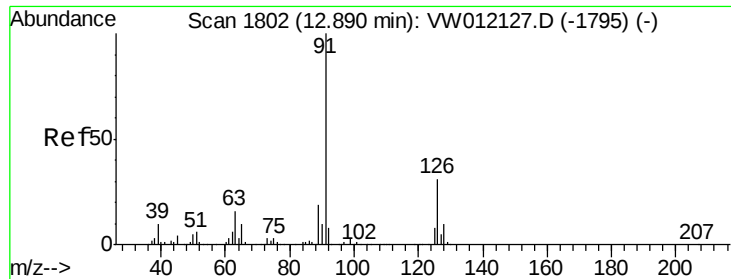
MMDadoda
8/29/2019 9:41:56 AM



#78
n-propylbenzene
Concen: 20.108 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.5	31.6





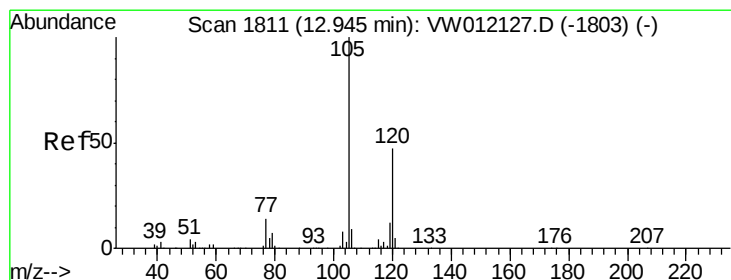
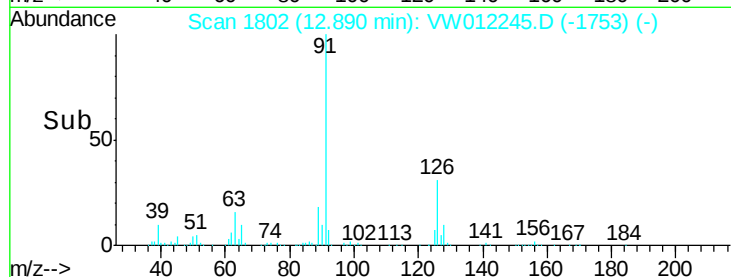
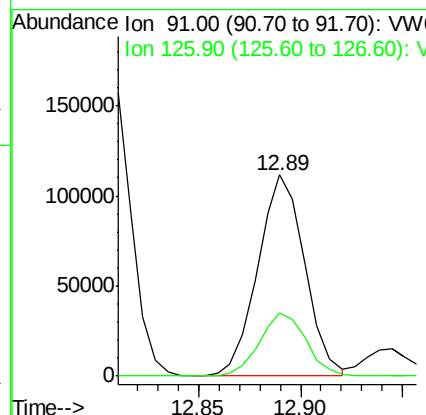
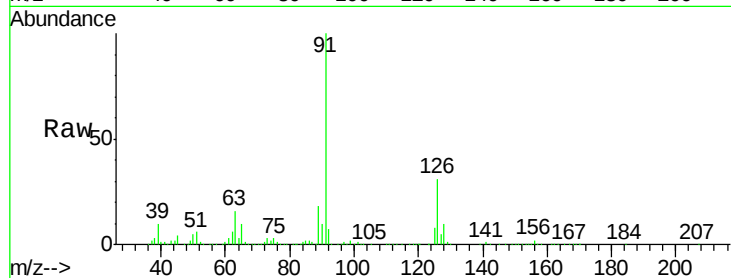
#79
 2-Chlorotoluene
 Concen: 19.892 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion: 91 Resp: 177576
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.7 47.0

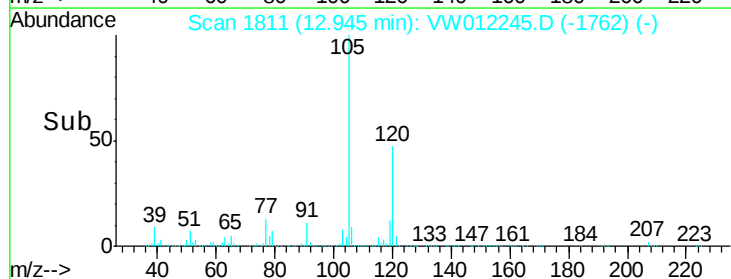
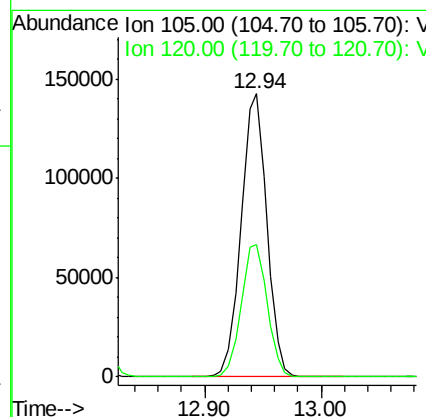
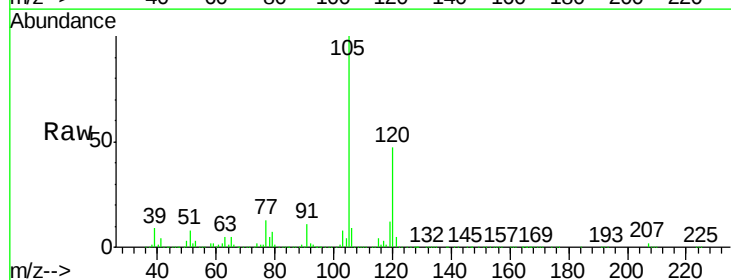
Manual Integrations
 APPROVED

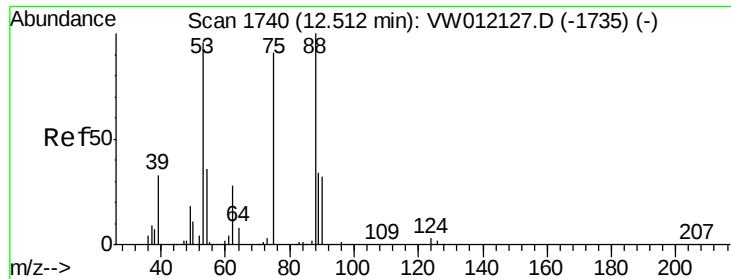
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.342 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion: 105 Resp: 218926
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.0 72.0





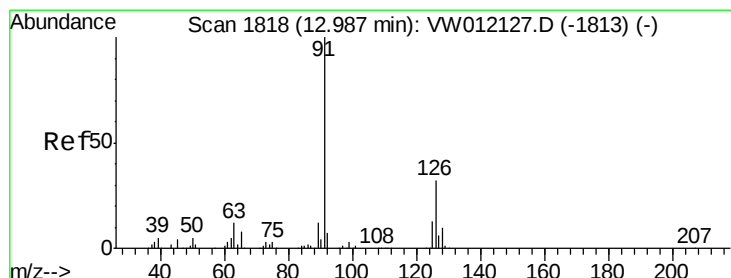
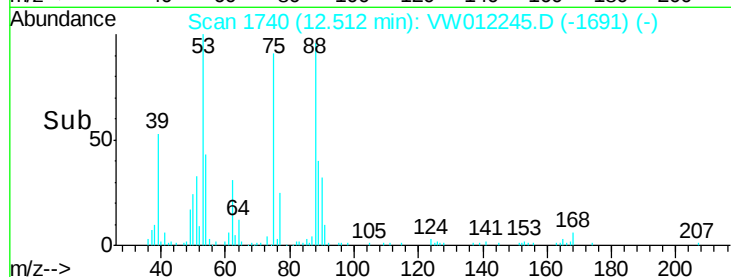
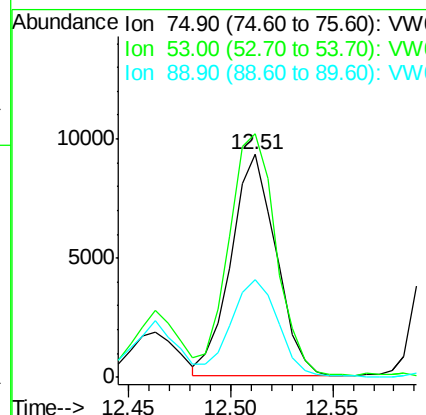
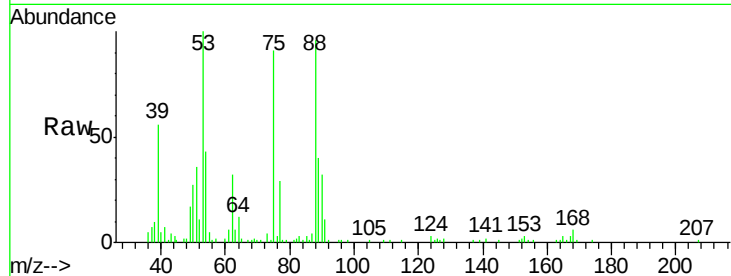
#81
trans-1,4-Dichloro-2-butene
Concen: 18.743 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.8	89.4	134.0
89	46.0	34.5	51.7

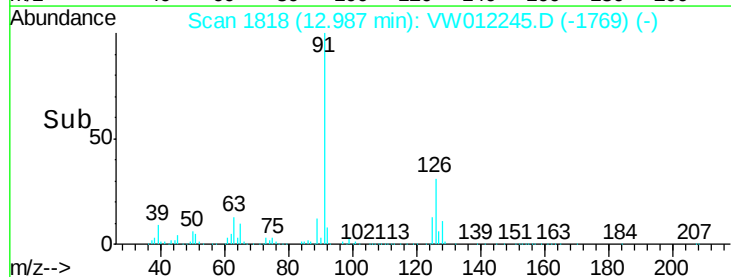
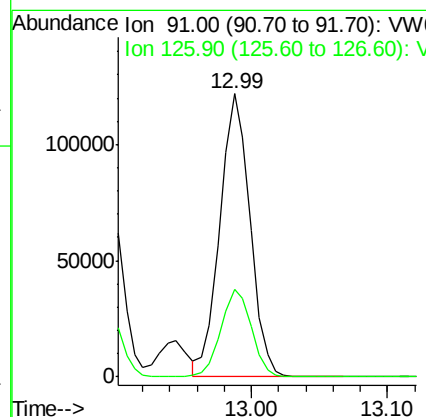
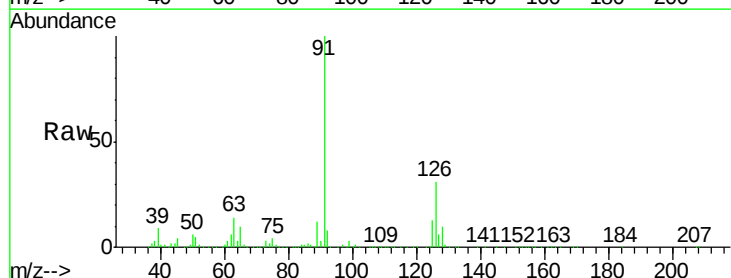
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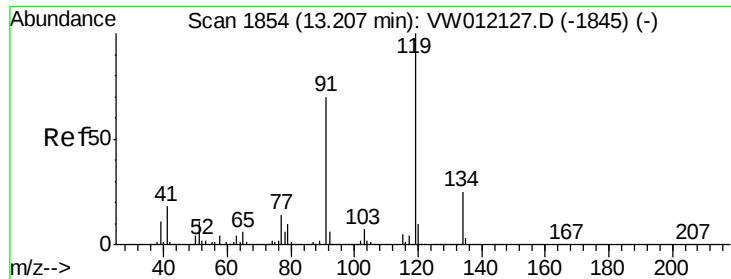
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#82
4-Chlorotoluene
Concen: 19.927 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





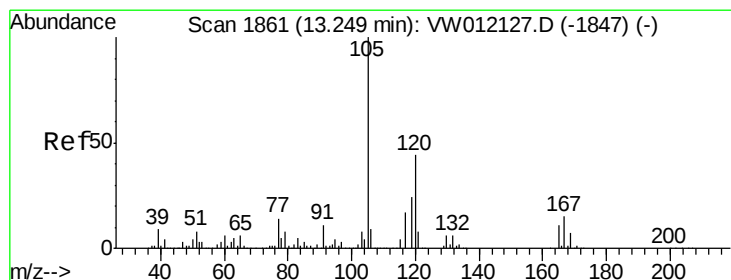
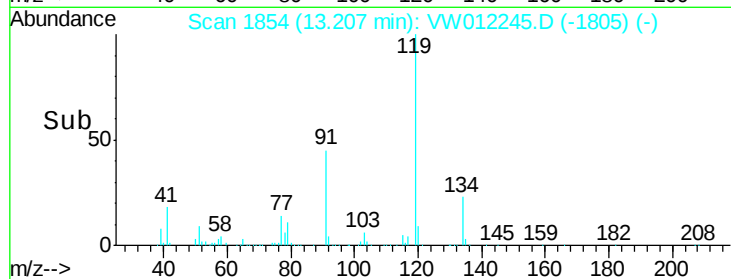
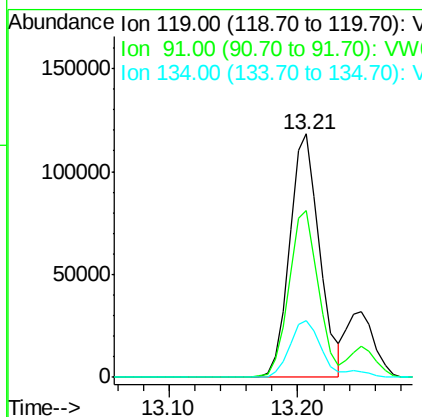
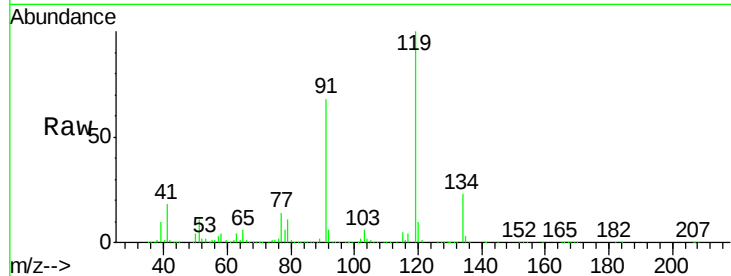
#83
tert-Butylbenzene
Concen: 20.849 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190070		
91	67.6	34.8	104.3	
134	24.3	13.3	39.8	

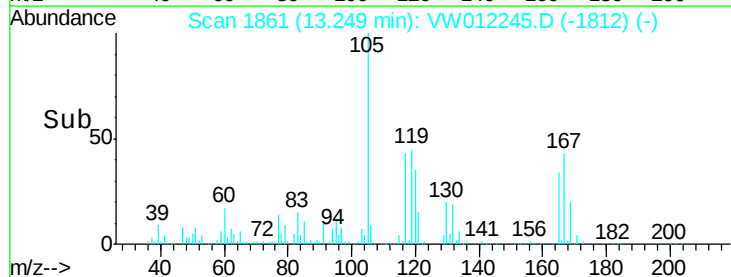
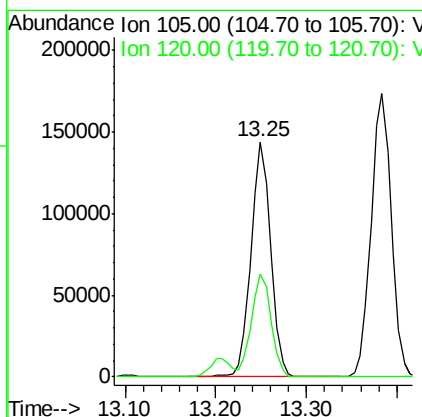
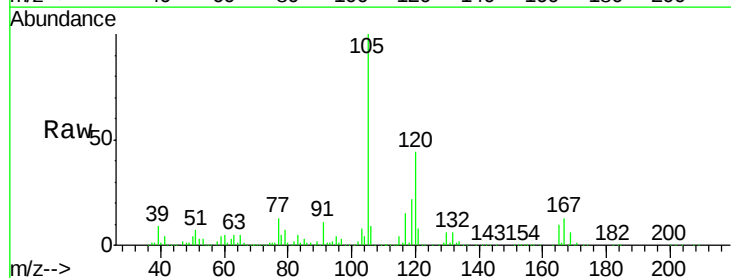
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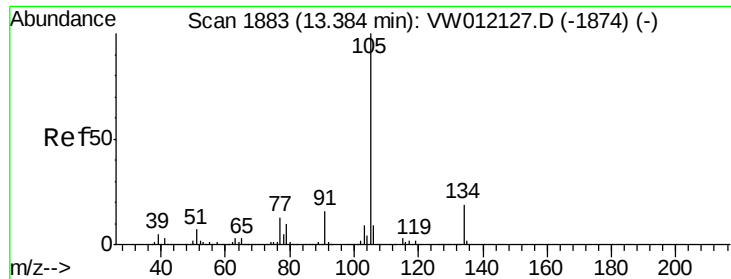
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#84
1,2,4-Trimethylbenzene
Concen: 20.017 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216407		
120	43.5	21.9	65.7	





#85

sec-Butylbenzene

Concen: 20.478 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS01

Tot Ion:105 Resp: 267474

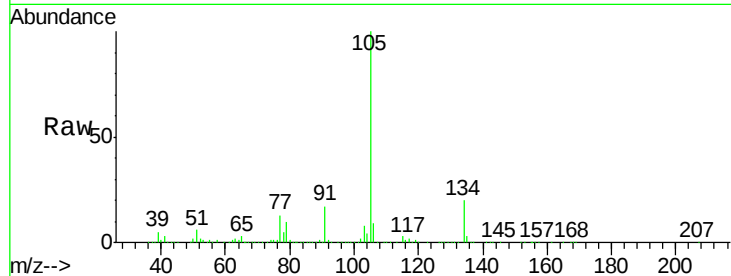
Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

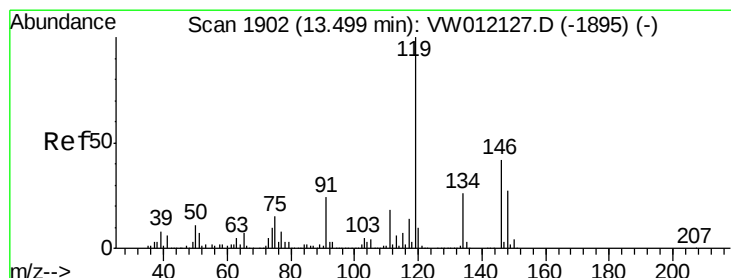
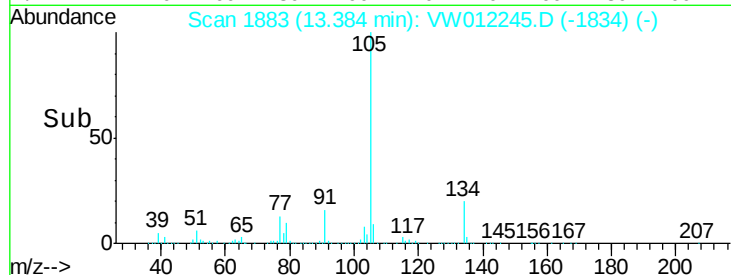
150000

100000

50000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 20.712 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

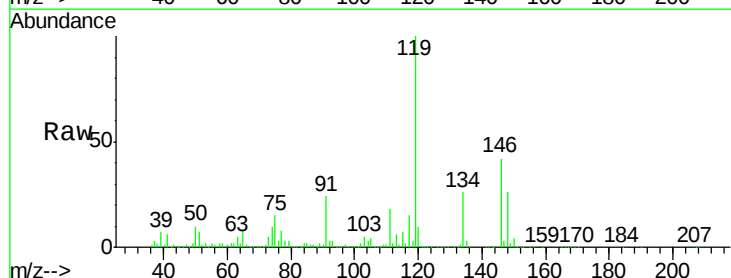
Tgt Ion:119 Resp: 241588

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.3 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

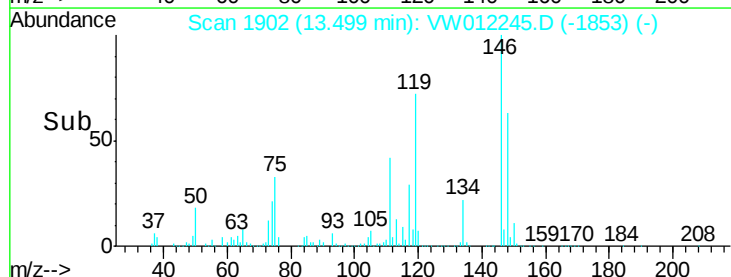
150000

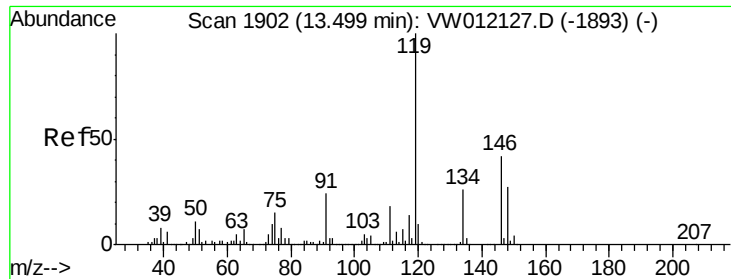
100000

50000

0

Time--> 13.40 13.50 13.60





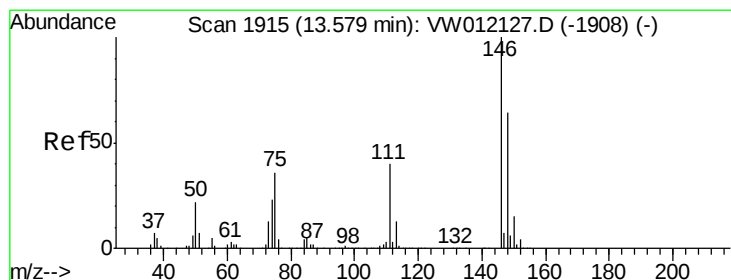
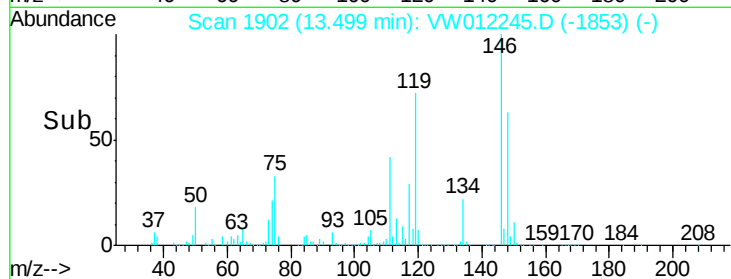
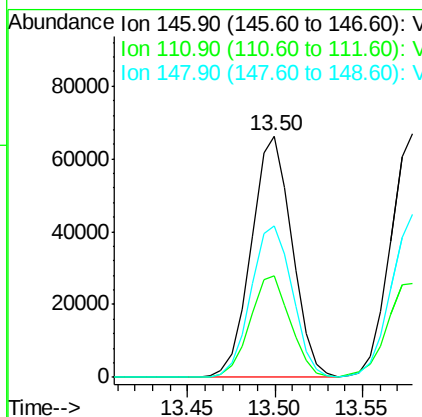
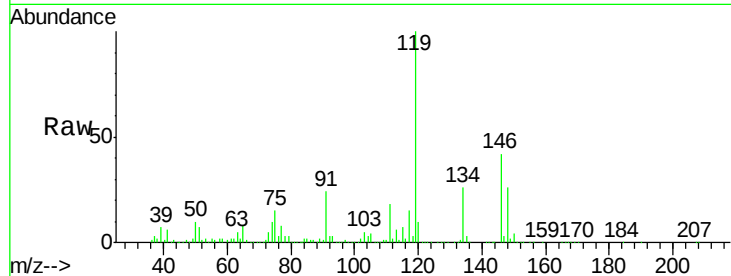
#87
 1,3-Dichlorobenzene
 Concen: 19.632 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106996		
111	42.0	20.9	62.7	
148	64.1	32.2	96.6	

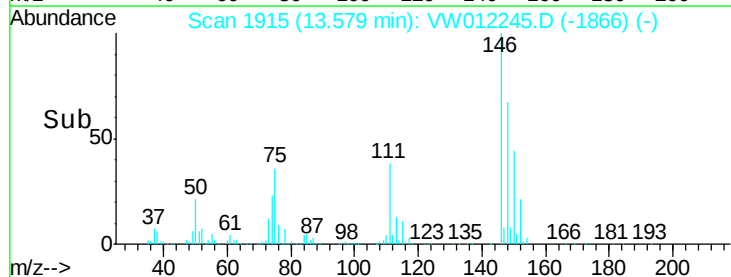
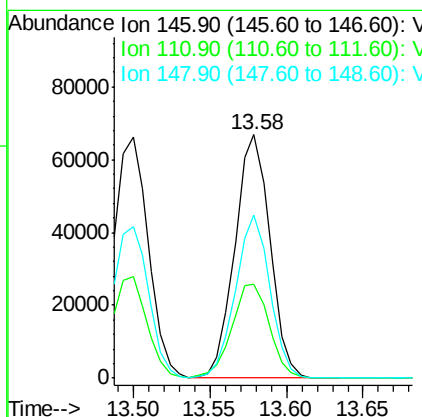
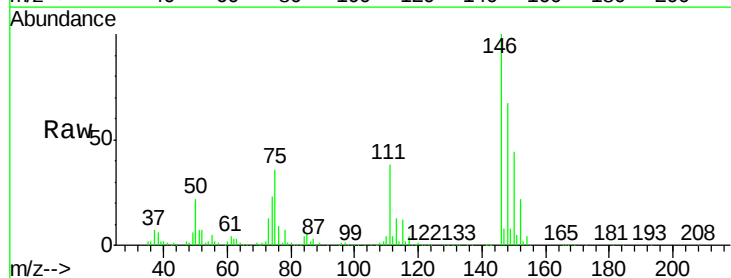
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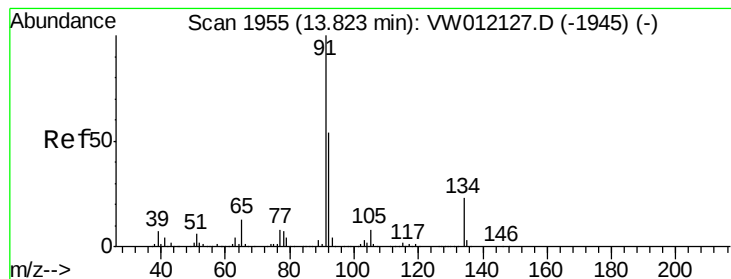
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#88
 1,4-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106502		
111	41.3	20.0	60.0	
148	65.7	32.1	96.3	





#89

n-Butylbenzene

Concen: 20.644 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

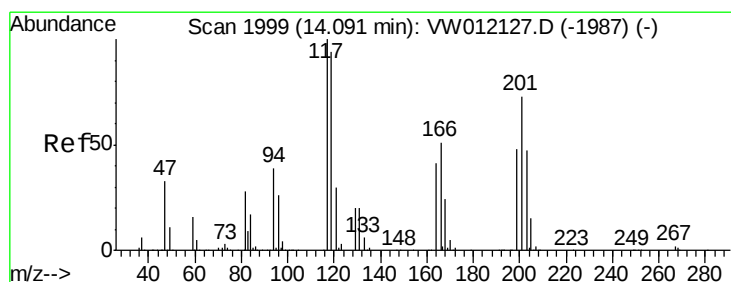
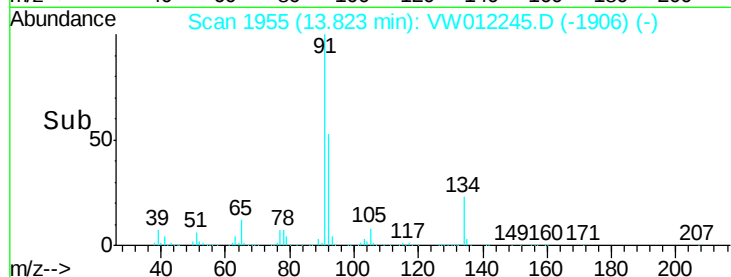
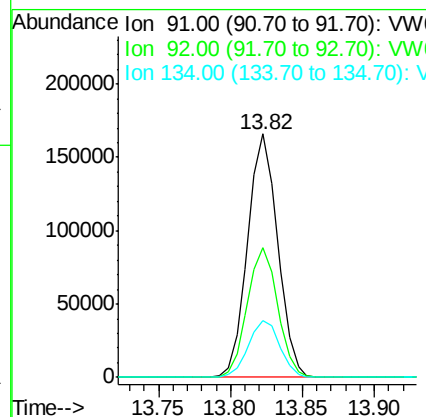
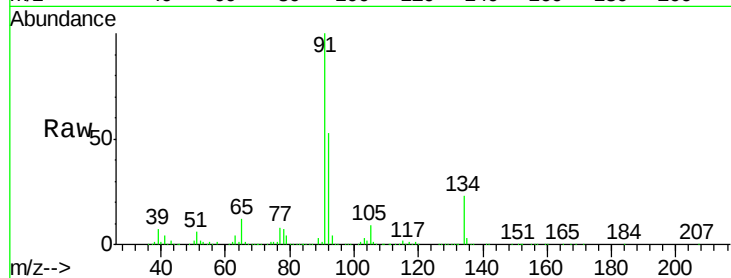
ClientSampleId :

VW0828SBS01

Tot Ion:	91	Resp:	239459
Ion Ratio		Lower	Upper
91	100		
92	54.1	27.1	81.2
134	24.5	12.2	36.4

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#90

Hexachloroethane

Concen: 19.219 ug/l

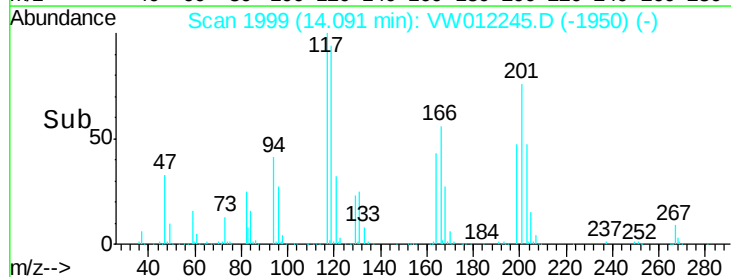
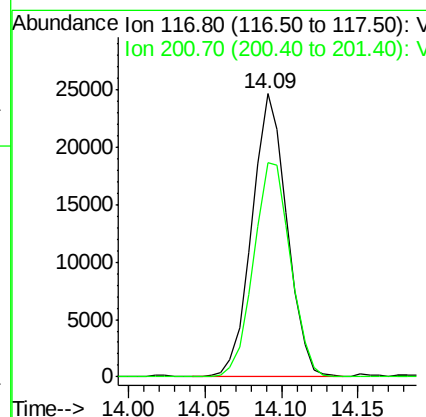
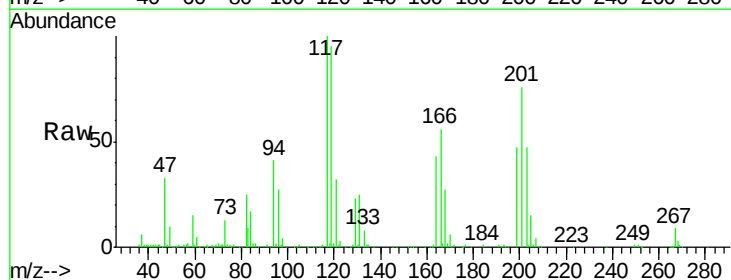
RT: 14.09 min Scan# 1999

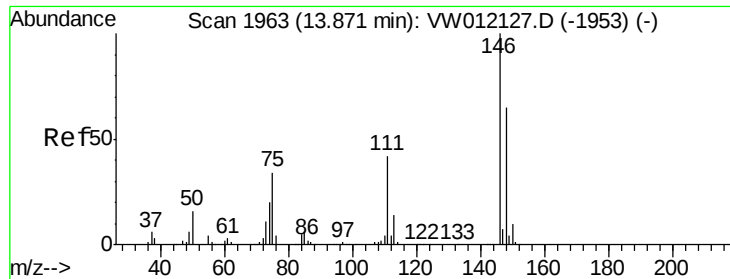
Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Tgt Ion:	117	Resp:	39331
Ion Ratio		Lower	Upper
117	100		
201	80.1	38.6	115.7





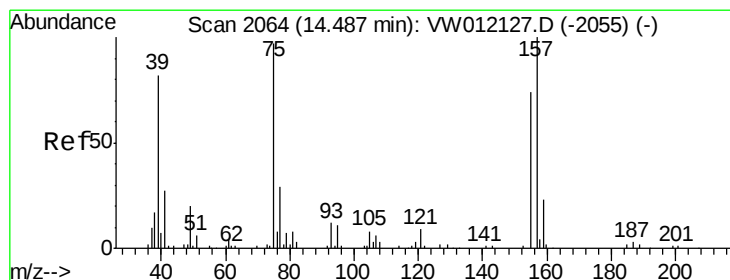
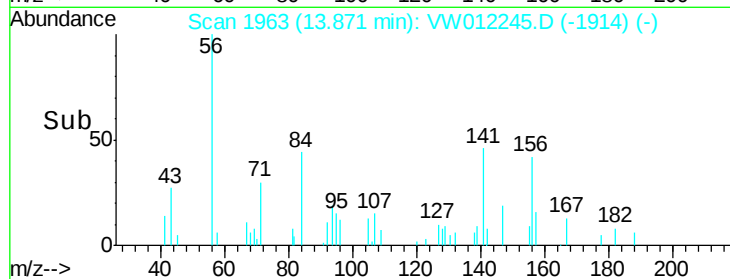
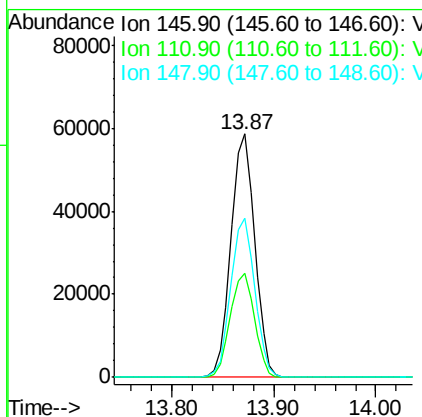
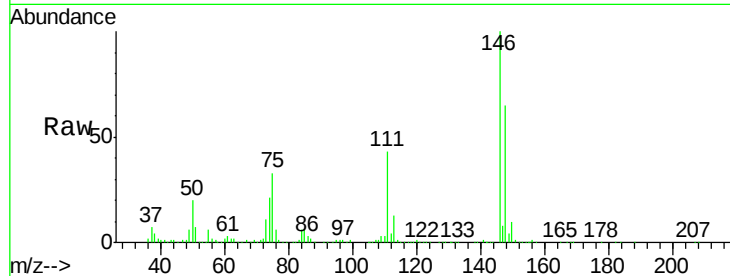
#91
 1,2-Dichlorobenzene
 Concen: 19.806 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.2	63.6
148	66.0	32.5	97.4

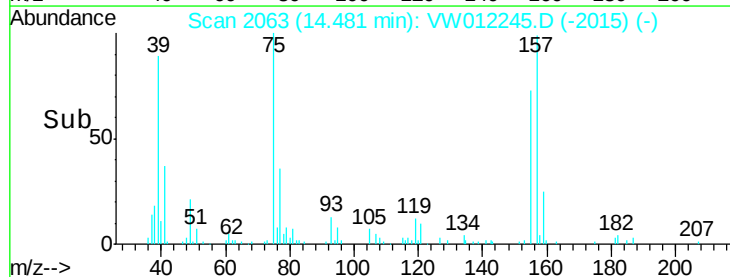
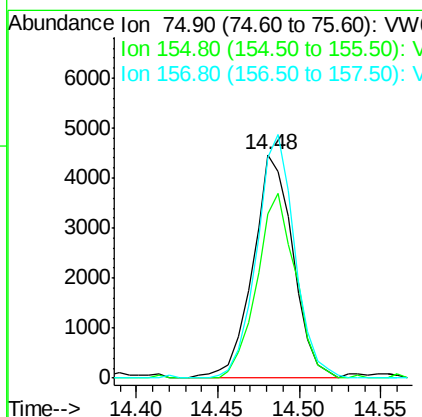
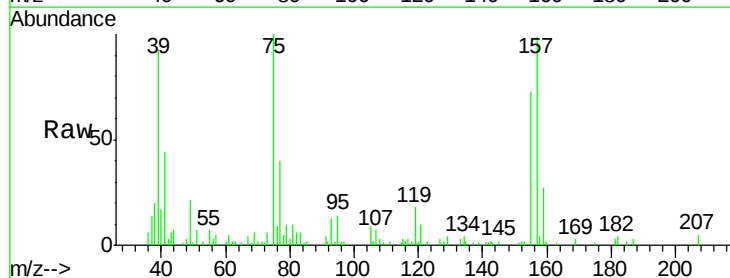
Manual Integrations
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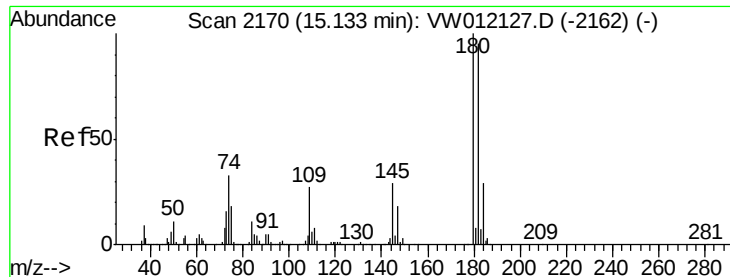
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.215 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	37.5	112.3
157	103.1	50.5	151.5





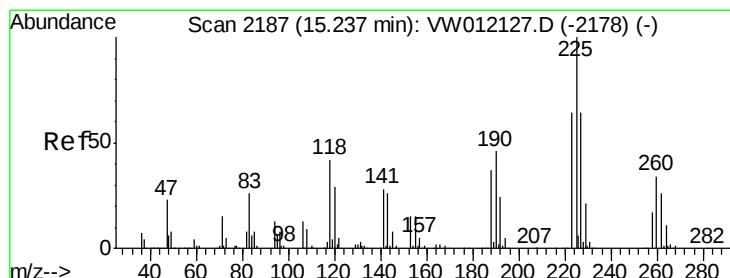
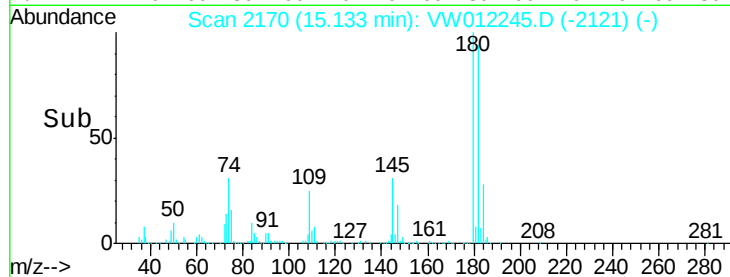
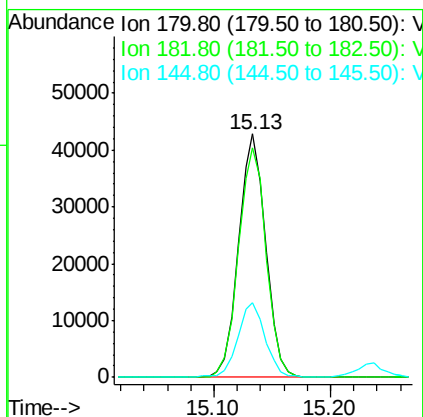
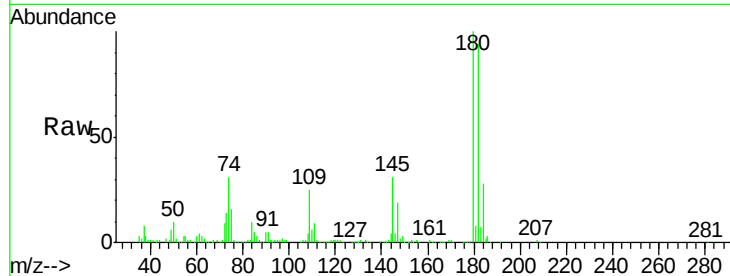
#93
 1,2,4-Trichlorobenzene
 Concen: 20.992 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69361		
182	96.3	47.8	143.4	
145	31.2	15.0	45.1	

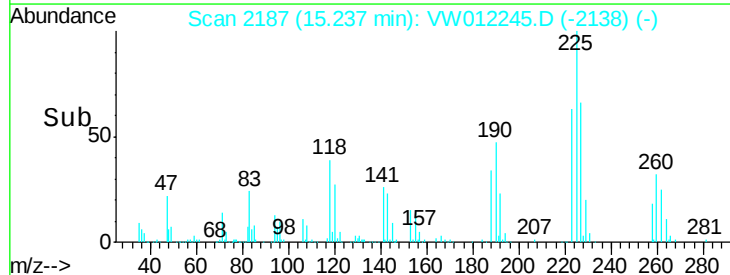
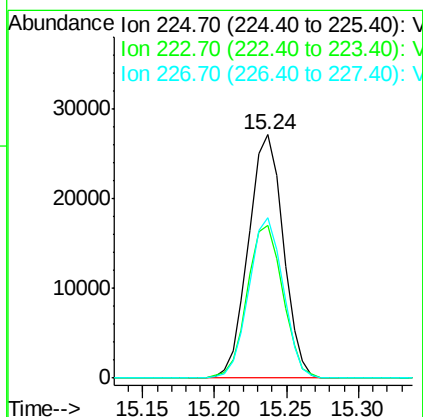
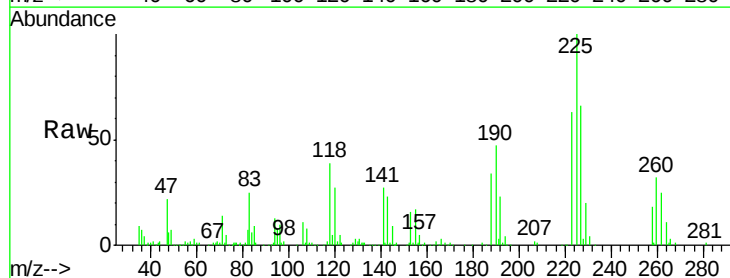
Manual Integrations
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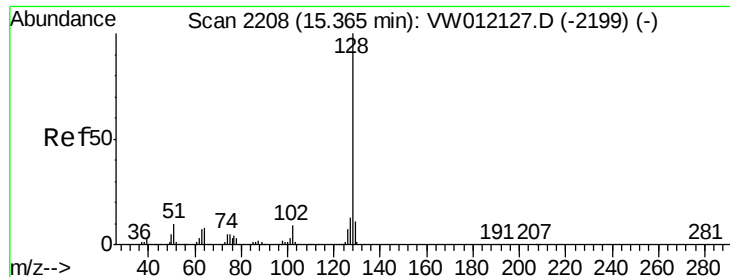
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#94
 Hexachlorobutadiene
 Concen: 20.815 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45413		
223	63.9	32.3	96.8	
227	64.9	32.9	98.6	





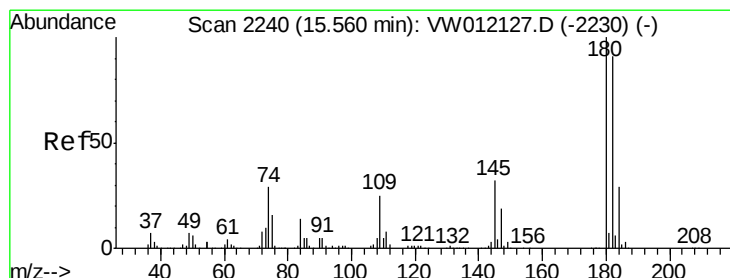
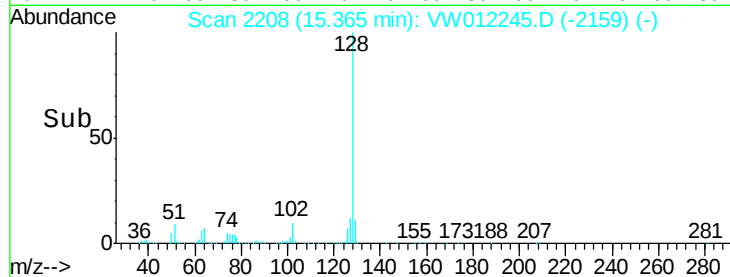
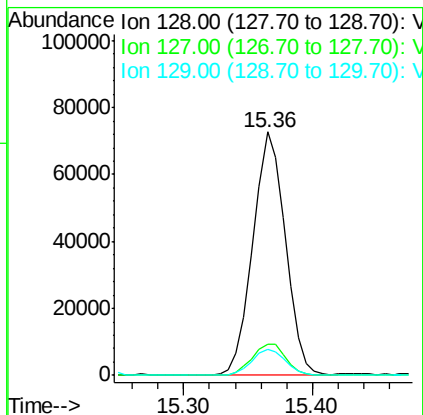
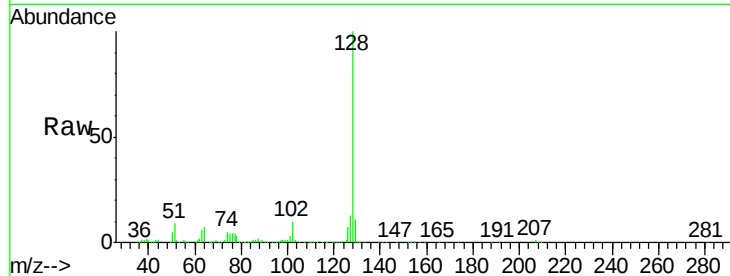
#95
Naphthalene
Concen: 22.128 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/29/2019 9:41:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.806 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	34.3	16.2	48.5

