

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012537.D
 Acq On : 03 Sep 2019 10:19
 Operator : SY/VA
 Sample : VW0903SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:57 AM

Quant Time: Sep 03 14:18:21 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	233740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	150535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	120807	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
35) Dibromofluoromethane	7.88	113	98977	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
50) Toluene-d8	10.32	98	393582	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
62) 4-Bromofluorobenzene	12.62	95	140503	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23984	16.665	ug/l	98
3) Chloromethane	2.21	50	36718	16.467	ug/l	97
4) Vinyl Chloride	2.36	62	43572	15.965	ug/l	99
5) Bromomethane	2.77	94	21850	15.809	ug/l	99
6) Chloroethane	2.91	64	24945	16.203	ug/l	99
7) Trichlorofluoromethane	3.25	101	26366	19.240	ug/l	93
8) Diethyl Ether	3.68	74	23195	17.832	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42843	18.393	ug/l	96
10) Methyl Iodide	4.27	142	55930	17.746	ug/l	100
11) Tert butyl alcohol	5.20	59	15421	92.223	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	41272	17.604	ug/l	97
13) Acrolein	3.89	56	10315	65.533	ug/l	99
14) Allyl chloride	4.67	41	90181	17.992	ug/l	100
15) Acrylonitrile	5.37	53	58601	90.892	ug/l	97
16) Acetone	4.13	43	59439	83.685	ug/l	98
17) Carbon Disulfide	4.38	76	99546	14.049	ug/l	100
18) Methyl Acetate	4.67	43	32889	18.695	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	73914	19.495	ug/l	99
20) Methylene Chloride	4.91	84	47038	17.518	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	44575	17.730	ug/l	93
22) Diisopropyl ether	6.31	45	174168	18.747	ug/l	97
23) Vinyl Acetate	6.25	43	504880	88.302	ug/l	99
24) 1,1-Dichloroethane	6.21	63	93686	18.520	ug/l	99
25) 2-Butanone	7.17	43	84493	87.542	ug/l	97
26) 2,2-Dichloropropane	7.17	77	56670	19.792	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	51246	19.078	ug/l	99
28) Bromochloromethane	7.51	49	40784	18.498	ug/l	93
29) Tetrahydrofuran	7.53	42	49655	85.751	ug/l	97
30) Chloroform	7.67	83	89680	19.377	ug/l	100
31) Cyclohexane	7.95	56	84247	16.833	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	71143	19.432	ug/l	100
36) 1,1-Dichloropropene	8.08	75	71188	19.195	ug/l	99
37) Ethyl Acetate	7.25	43	35357	17.398	ug/l	98
38) Carbon Tetrachloride	8.07	117	64122	19.976	ug/l	98

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76590	18.383	ug/l	95
40) Benzene	8.32	78	194161	19.173	ug/l	98
41) Methacrylonitrile	7.48	41	24053	20.137	ug/l	95
42) 1,2-Dichloroethane	8.40	62	62082	19.561	ug/l	100
43) Isopropyl Acetate	8.42	43	69028	18.337	ug/l	100
44) Trichloroethene	9.09	130	48595	19.740	ug/l	98
45) 1,2-Dichloropropane	9.37	63	51997	19.079	ug/l	99
46) Dibromomethane	9.46	93	22856	18.849	ug/l	97
47) Bromodichloromethane	9.64	83	62780	19.453	ug/l	99
48) Methyl methacrylate	9.44	41	33097	18.473	ug/l	97
49) 1,4-Dioxane	9.46	88	6772	364.797	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	176704	92.288	ug/l	99
52) Toluene	10.38	92	119692	19.675	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	64361	19.578	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	77177	19.443	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34150	19.905	ug/l	97
56) Ethyl methacrylate	10.65	69	47787	19.137	ug/l	97
57) 1,3-Dichloropropane	10.93	76	63878	19.702	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	118554	92.509	ug/l	99
59) 2-Hexanone	10.97	43	124778	92.102	ug/l	100
60) Dibromochloromethane	11.13	129	37459	19.602	ug/l	98
61) 1,2-Dibromoethane	11.23	107	31139	19.482	ug/l	99
64) Tetrachloroethene	10.86	164	39897	19.901	ug/l	98
65) Chlorobenzene	11.66	112	120754	19.832	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	43511	20.483	ug/l	99
67) Ethyl Benzene	11.73	91	233996	19.950	ug/l	96
68) m/p-Xylenes	11.84	106	171288	40.541	ug/l	99
69) o-Xylene	12.16	106	78945	20.188	ug/l	100
70) Styrene	12.18	104	136981	20.238	ug/l	100
71) Bromoform	12.35	173	20842	19.693	ug/l #	98
73) Isopropylbenzene	12.46	105	227059	20.130	ug/l	98
74) N-amyl acetate	12.27	43	62932	18.466	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	38385	18.562	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32999m	22.508	ug/l	
77) Bromobenzene	12.74	156	49131	20.133	ug/l	96
78) n-propylbenzene	12.80	91	275858	20.033	ug/l	99
79) 2-Chlorotoluene	12.89	91	156118	19.969	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	189727	20.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12449	18.617	ug/l	98
82) 4-Chlorotoluene	12.99	91	165533	20.221	ug/l	100
83) tert-Butylbenzene	13.21	119	166545	20.860	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	192072	20.286	ug/l	99
85) sec-Butylbenzene	13.38	105	232278	20.306	ug/l	100
86) p-Isopropyltoluene	13.50	119	213792	20.929	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	96266	20.169	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96559	20.374	ug/l	98
89) n-Butylbenzene	13.82	91	207469	20.423	ug/l	100
90) Hexachloroethane	14.09	117	34686	19.353	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	85074	20.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6764	19.402	ug/l	97

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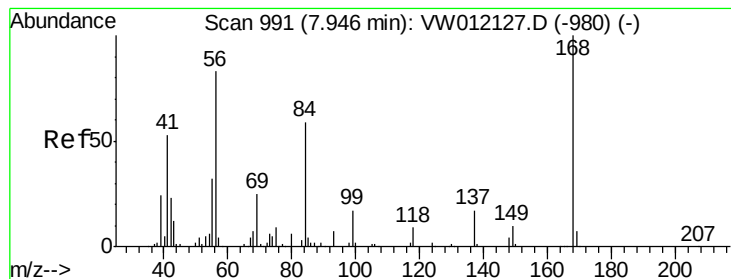
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60258	20.824	ug/l	100
94) Hexachlorobutadiene	15.24	225	41799	21.877	ug/l	99
95) Naphthalene	15.36	128	96770	19.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	51828	20.529	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion:168 Resp: 233740

Ion Ratio Lower Upper

168 100

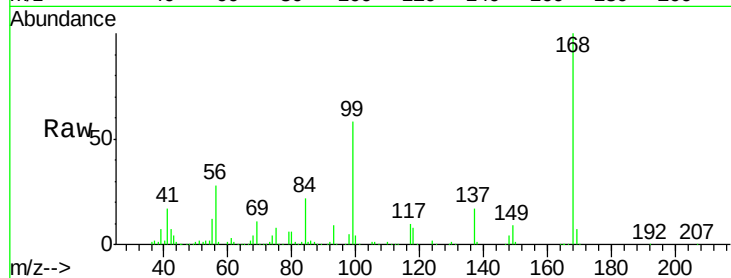
99 57.9 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

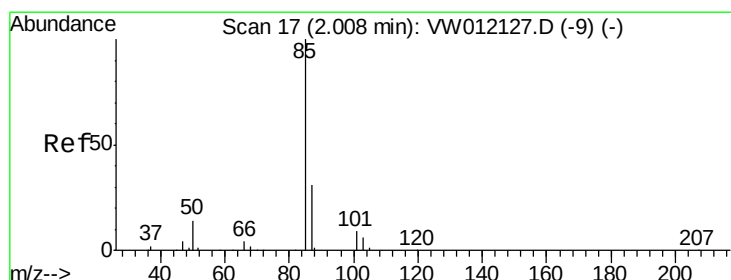
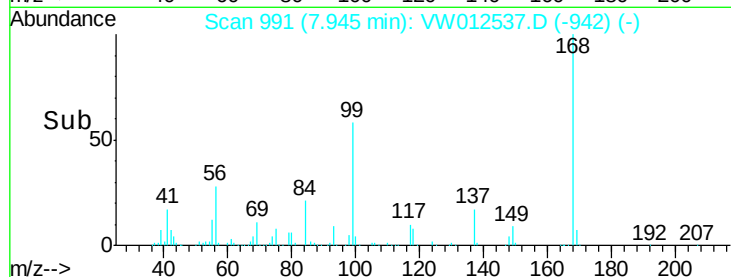
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.665 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012537.D

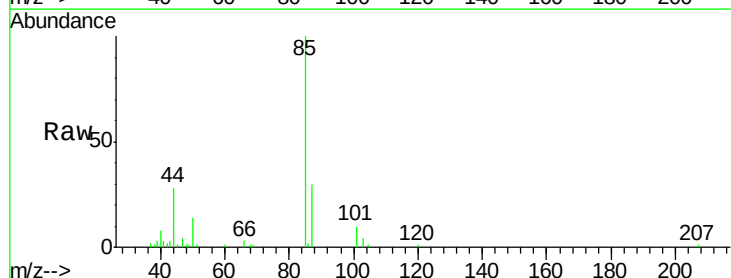
Acq: 03 Sep 2019 10:19

Tgt Ion: 85 Resp: 23984

Ion Ratio Lower Upper

85 100

87 30.0 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

6000

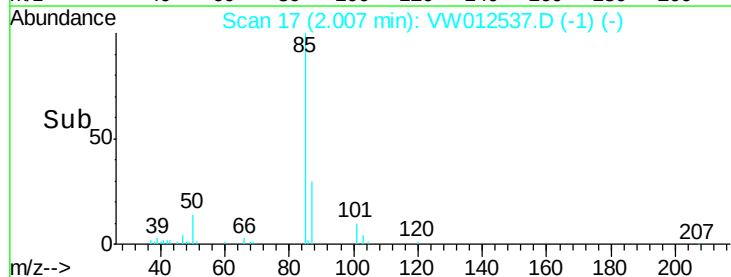
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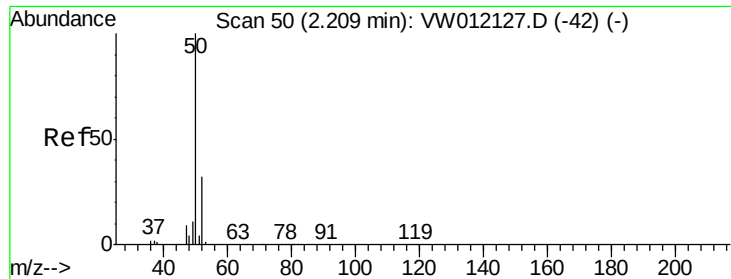
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 16.467 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion: 50 Resp: 36718

Ion Ratio Lower Upper

50 100

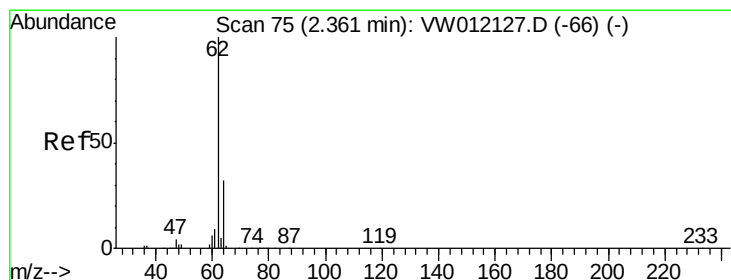
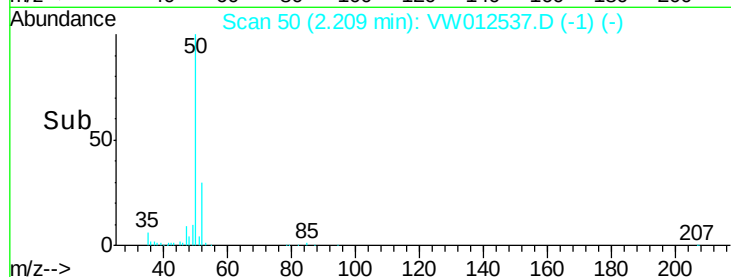
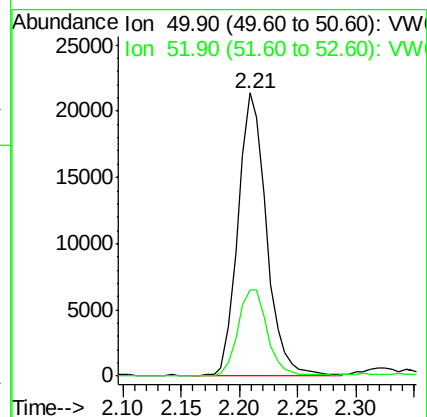
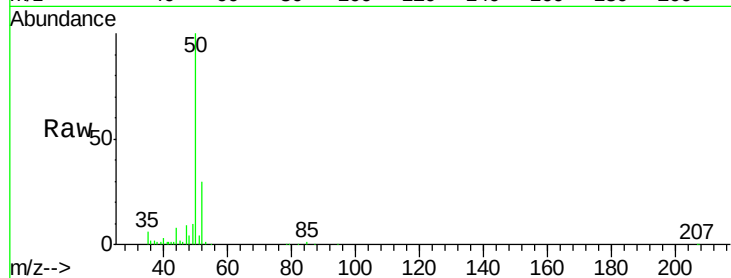
52 30.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.965 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012537.D

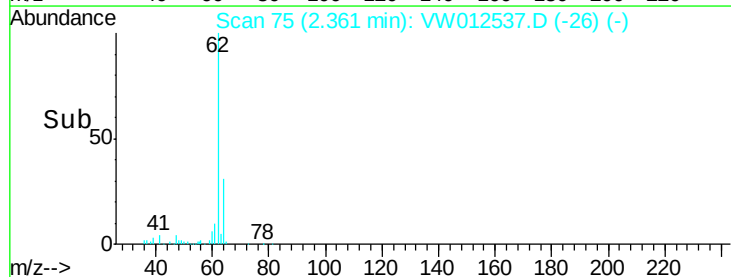
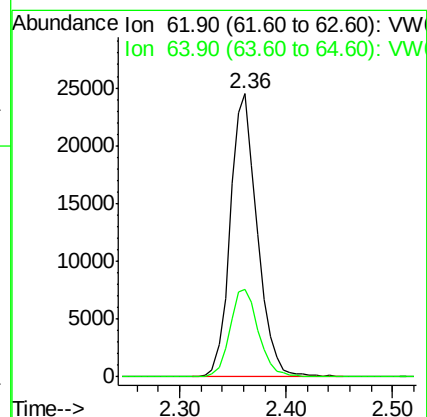
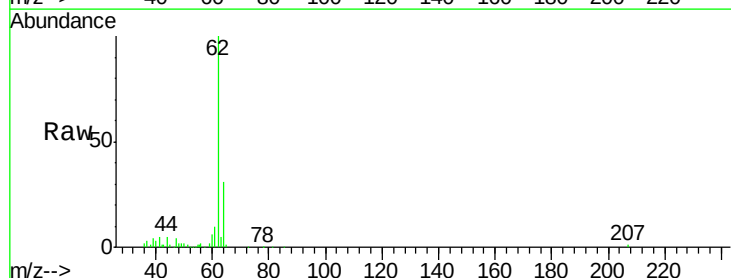
Acq: 03 Sep 2019 10:19

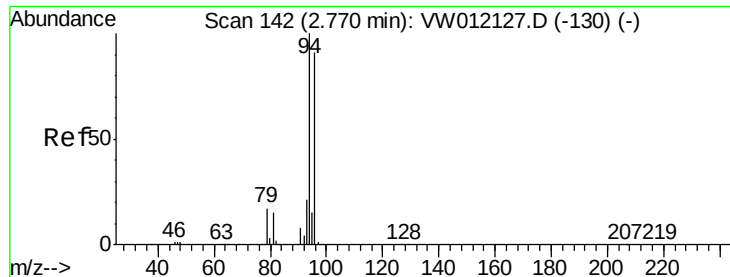
Tgt Ion: 62 Resp: 43572

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 15.809 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion: 94 Resp: 21850

Ion Ratio Lower Upper

94 100

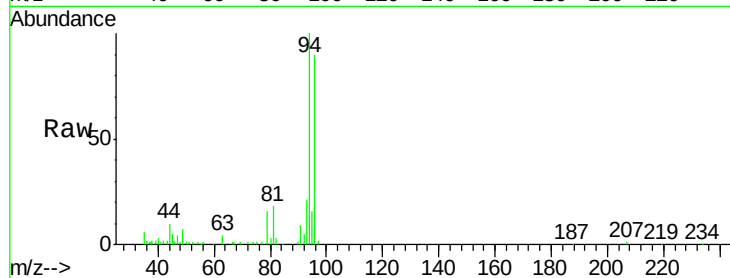
96 90.2 72.9 109.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

12000

10000

8000

6000

4000

2000

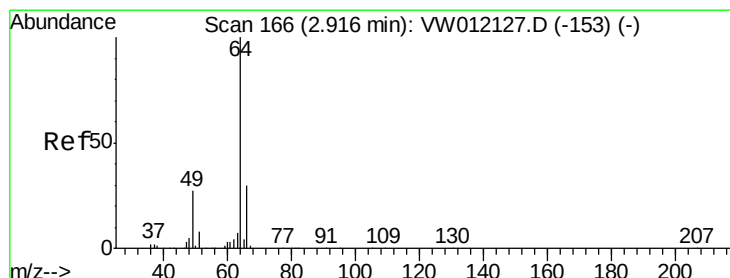
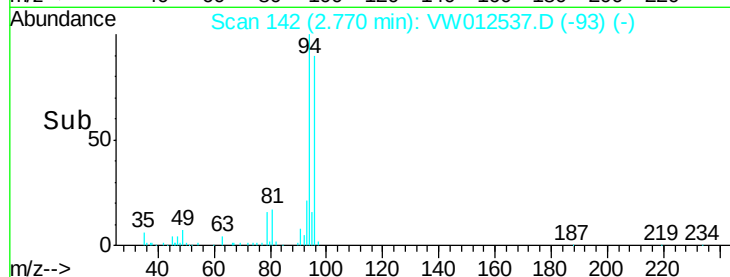
0

2.70

2.80

2.90

Time-->



#6

Chloroethane

Concen: 16.203 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012537.D

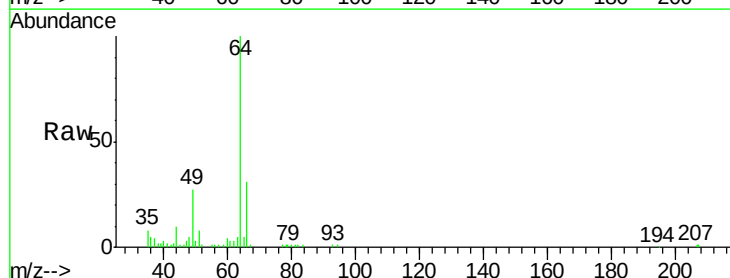
Acq: 03 Sep 2019 10:19

Tgt Ion: 64 Resp: 24945

Ion Ratio Lower Upper

64 100

66 30.6 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

12000

10000

8000

6000

4000

2000

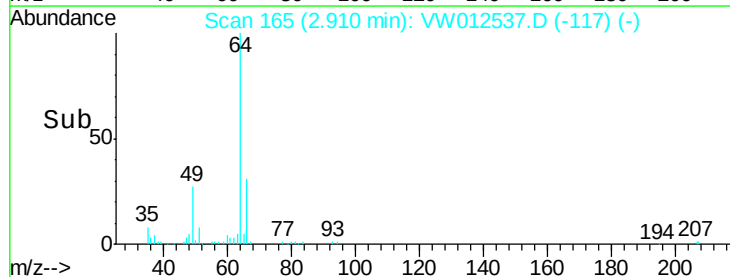
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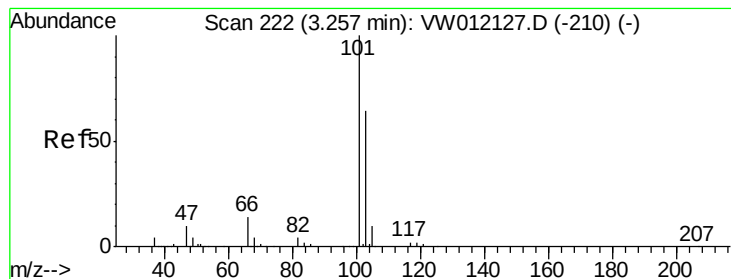
2.80

2.90

3.00

Time-->





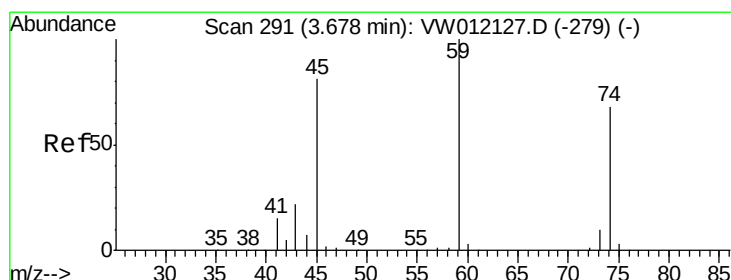
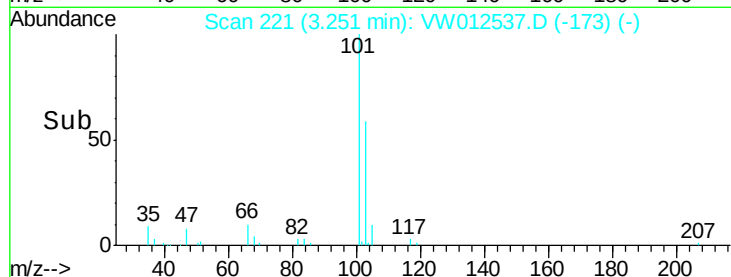
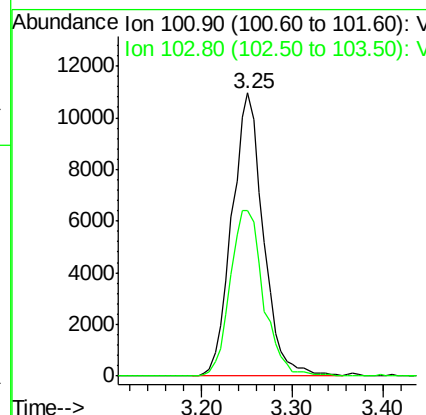
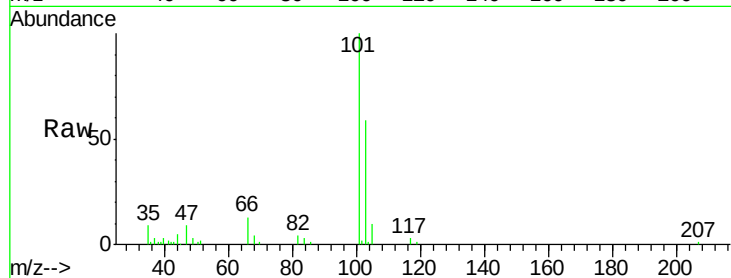
#7
 Trichlorofluoromethane
 Concen: 19.240 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.6	51.2	76.8

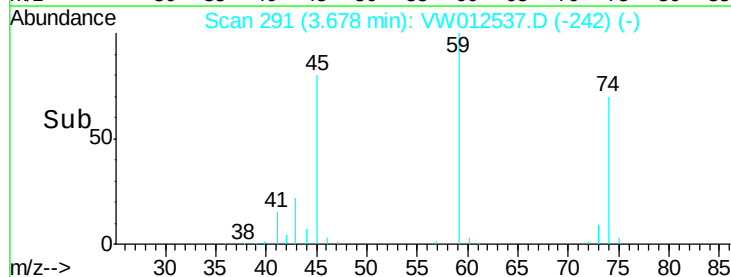
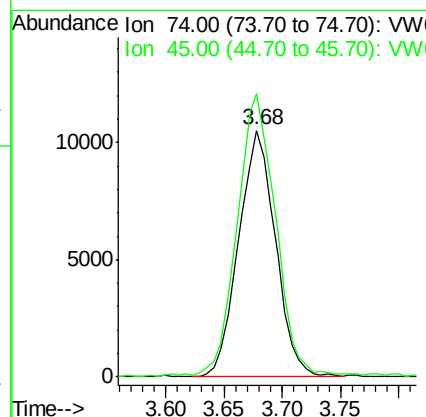
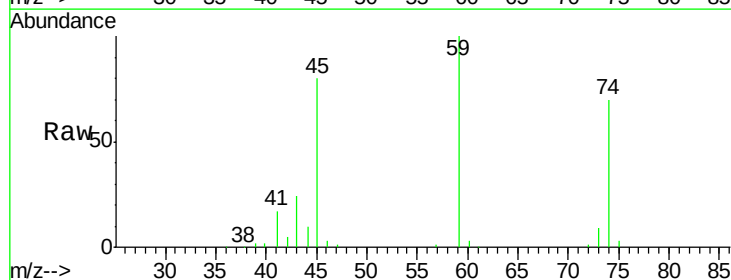
Manual Integrations
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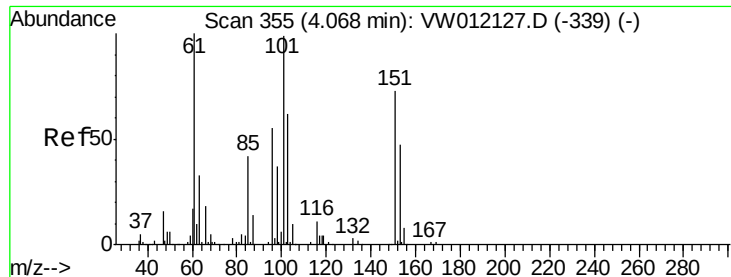
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 9/4/2019 9:34:57 AM



#8
 Diethyl Ether
 Concen: 17.832 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.8	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.393 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

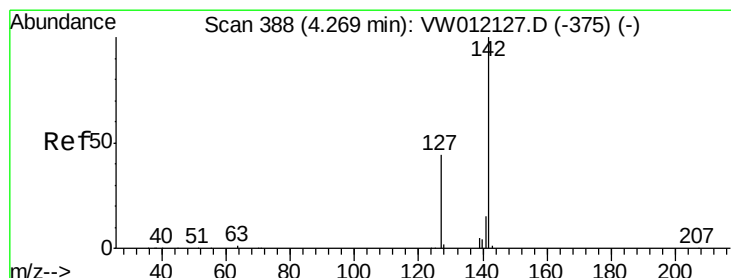
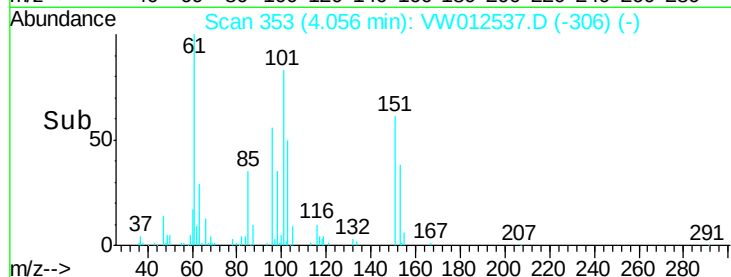
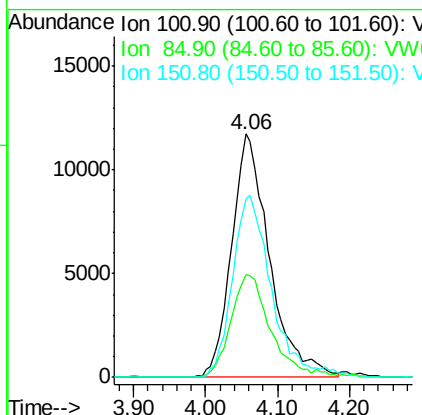
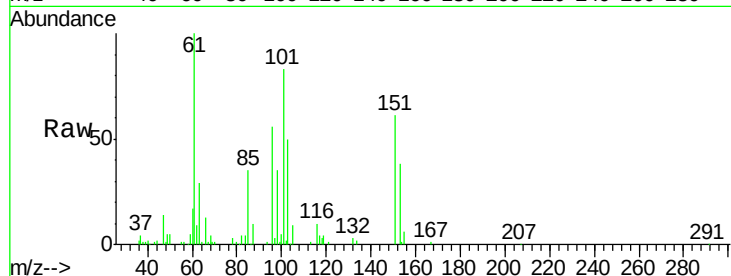
ClientSampleId :

VW0903SBS01

Tot Ion:	101	Resp:	42843
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.8	53.6
151	77.0	58.6	87.8

Manual Integrations
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9/4/2019 9:34:57 AM



#10

Methyl Iodide

Concen: 17.746 ug/l

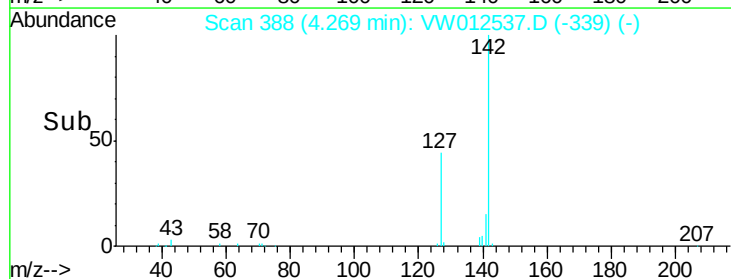
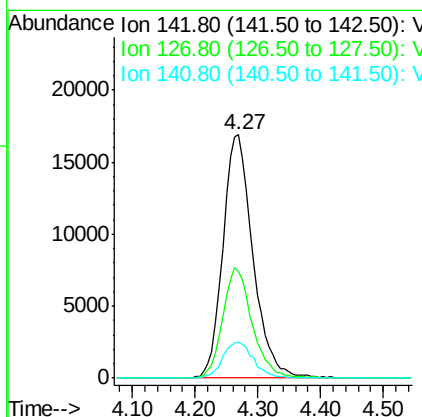
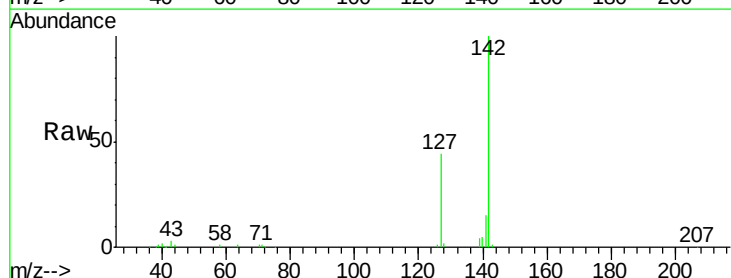
RT: 4.27 min Scan# 388

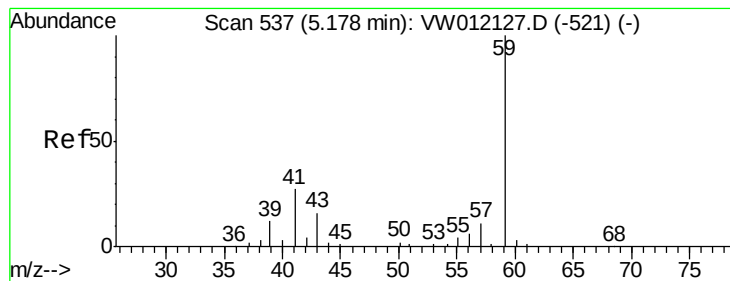
Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Tgt Ion:	142	Resp:	55930
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.5	53.3
141	15.0	11.8	17.8





#11

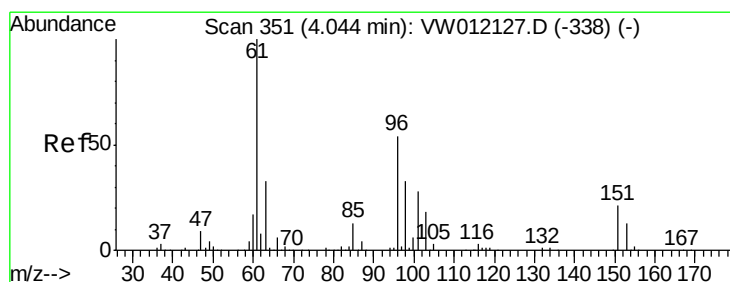
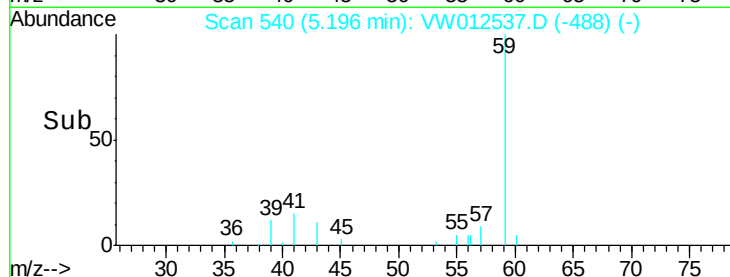
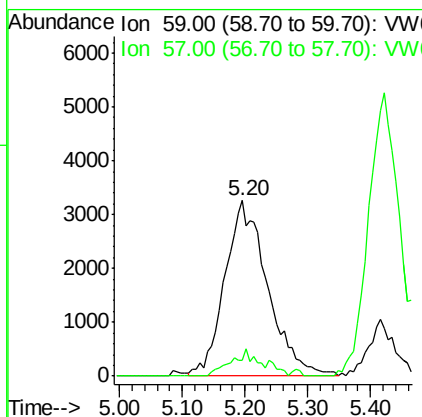
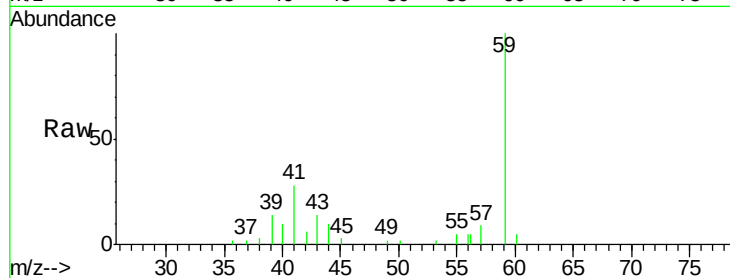
Tert butyl alcohol
 Concen: 92.223 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	15421		
57	8.9	9.0	13.4#	

Manual Integrations
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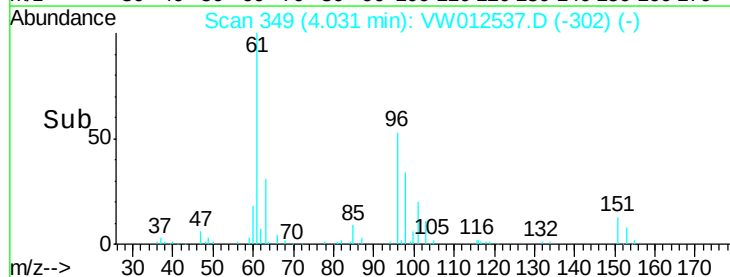
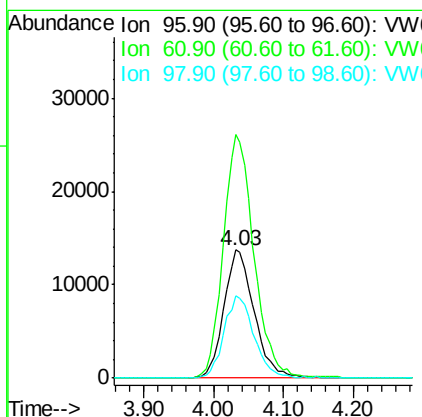
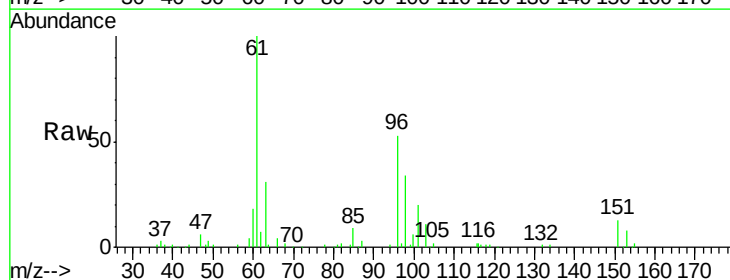
MMDadoda
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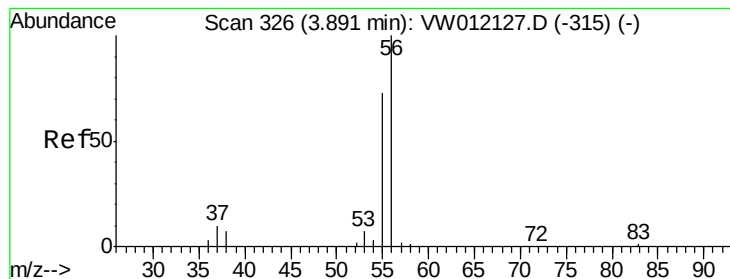


#12

1,1-Dichloroethene
 Concen: 17.604 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	41272		
61	190.2	149.1	223.7	
98	64.0	49.4	74.2	





#13

Acrolein

Concen: 65.533 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion: 56 Resp: 10315

Ion Ratio Lower Upper

56 100

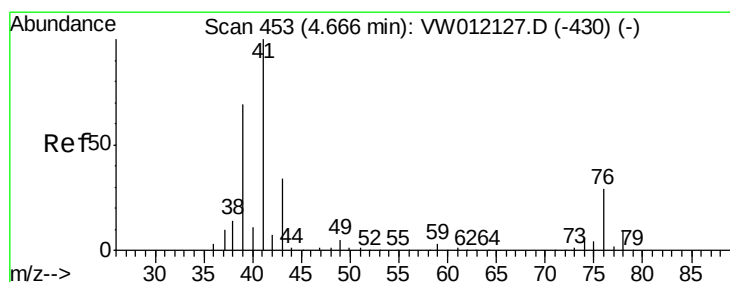
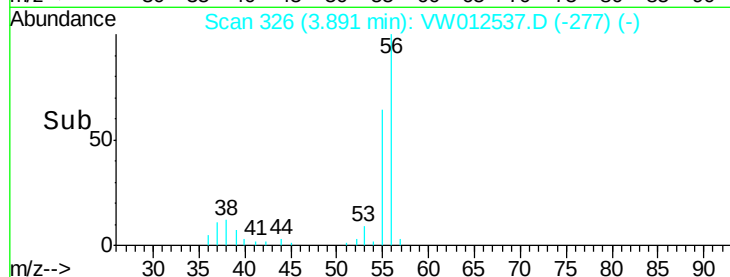
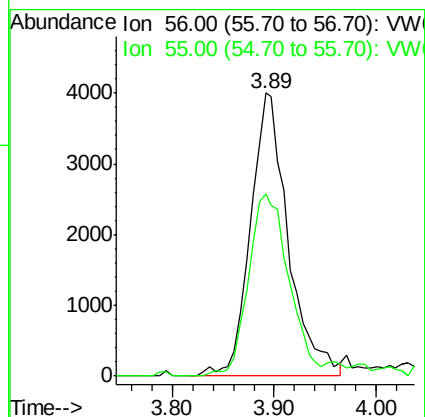
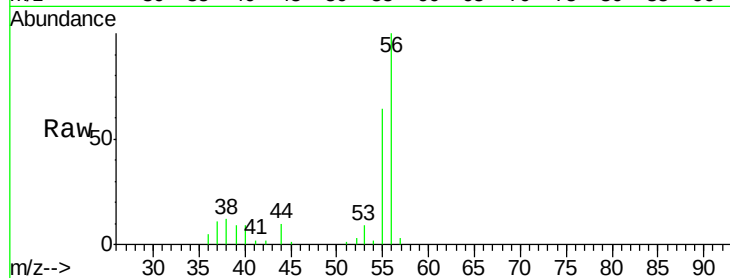
55 68.6 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 17.992 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

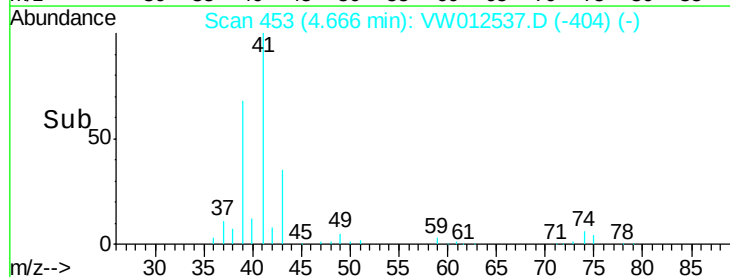
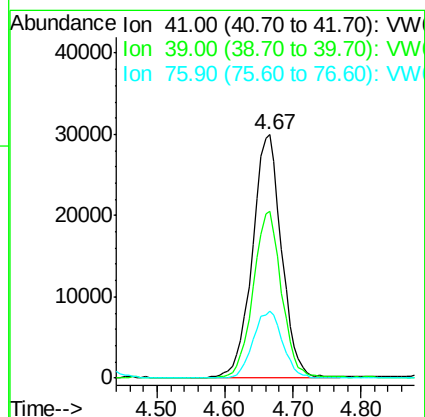
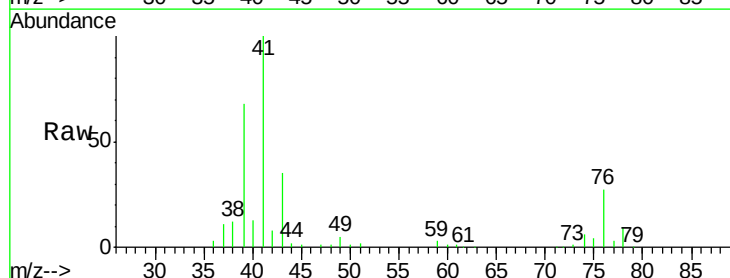
Tgt Ion: 41 Resp: 90181

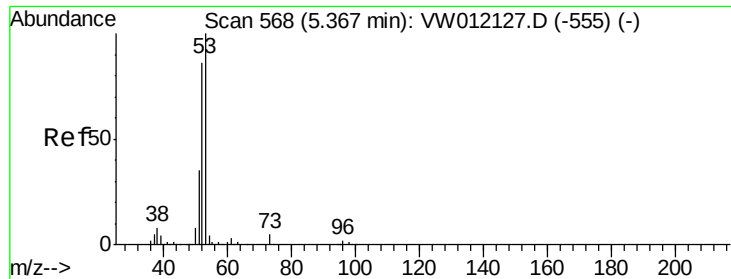
Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 27.8 22.1 33.1





#15

Acrylonitrile

Concen: 90.892 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

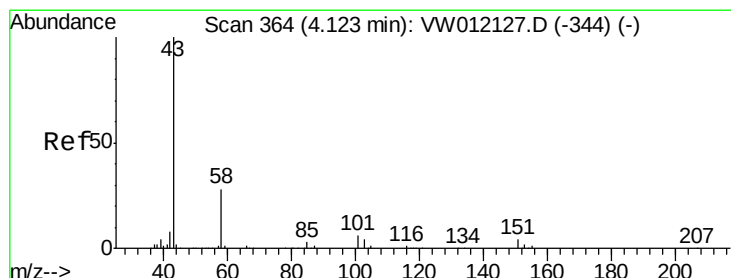
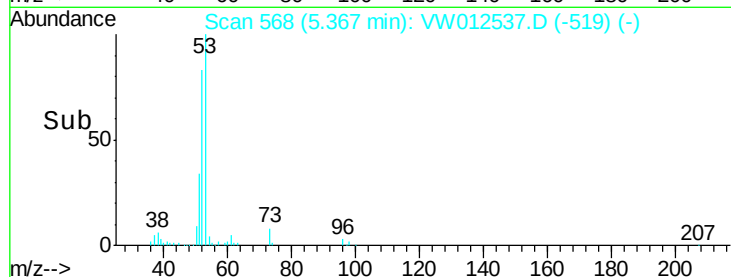
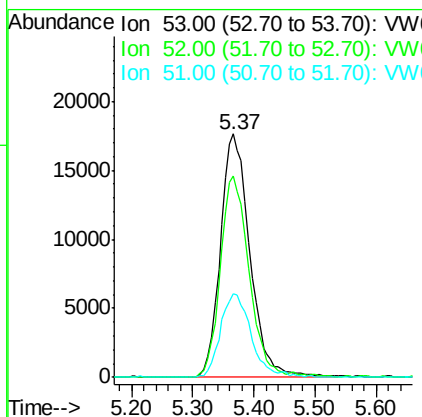
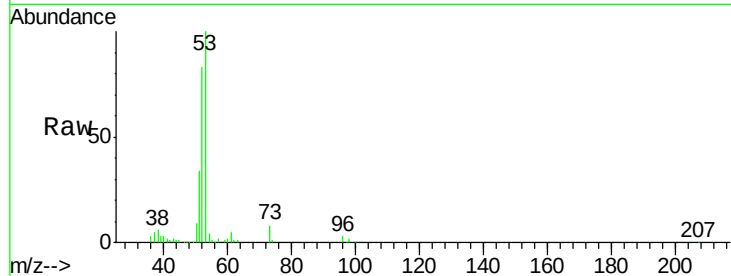
ClientSampleId :

VW0903SBS01

Tot Ion:	53	Resp:	58601
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.7	100.1
51	35.9	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 83.685 ug/l

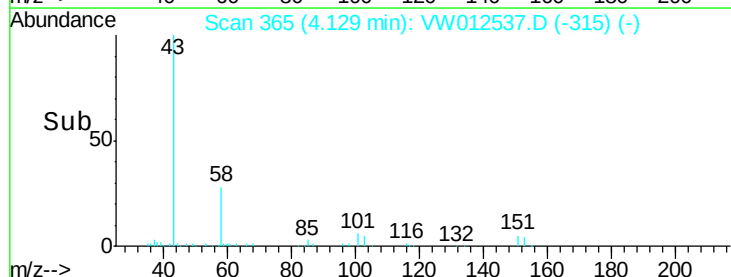
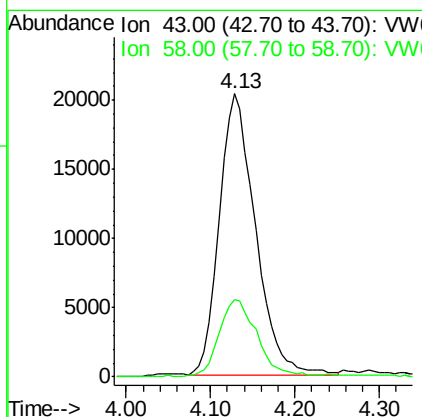
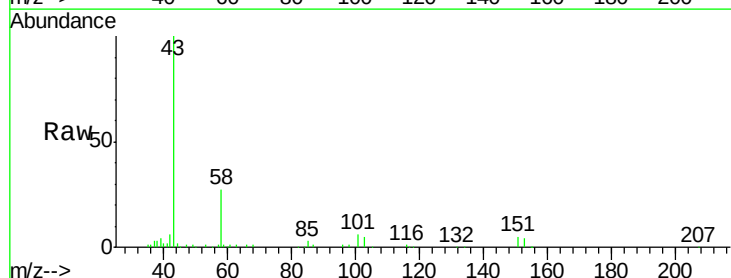
RT: 4.13 min Scan# 365

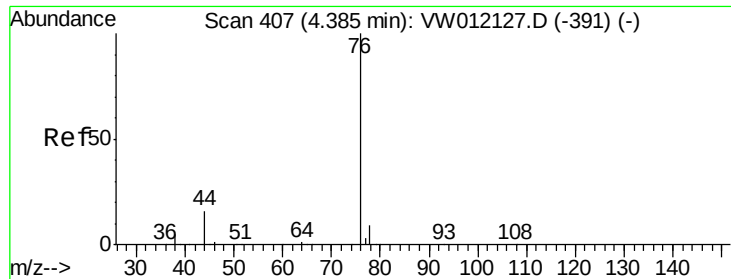
Delta R.T. 0.01 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Tgt Ion:	43	Resp:	59439
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.4	33.6





#17

Carbon Disulfide

Concen: 14.049 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion: 76 Resp: 99546

Ion Ratio Lower Upper

76 100

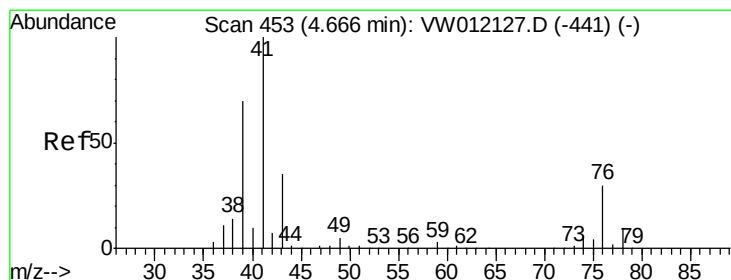
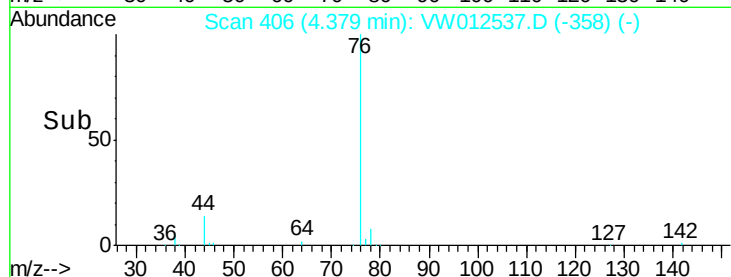
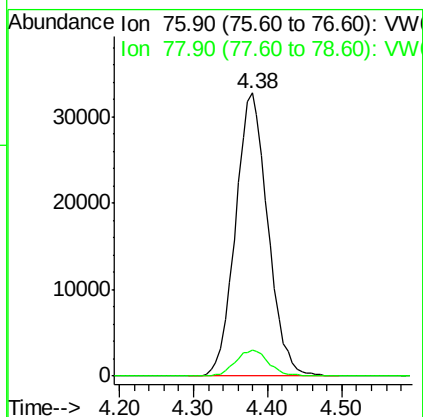
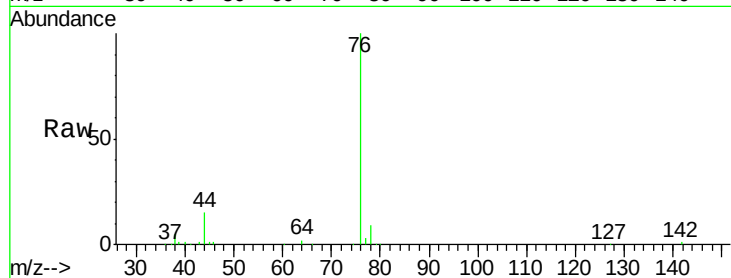
78 9.1 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 18.695 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012537.D

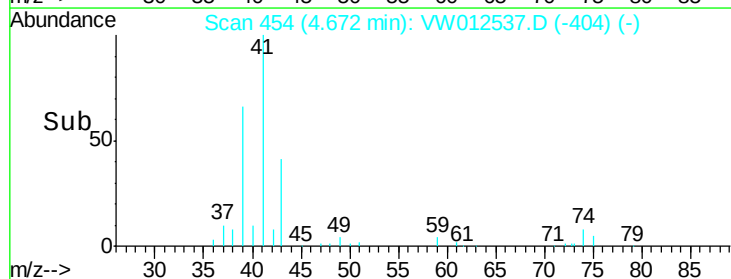
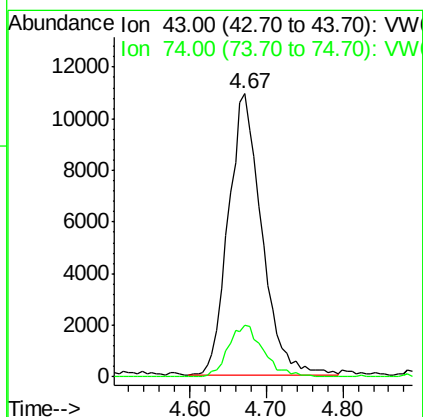
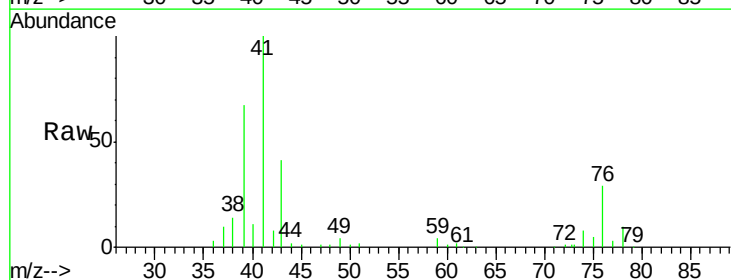
Acq: 03 Sep 2019 10:19

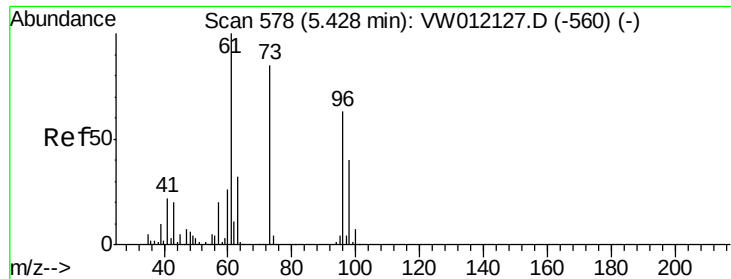
Tgt Ion: 43 Resp: 32889

Ion Ratio Lower Upper

43 100

74 19.3 15.7 23.5





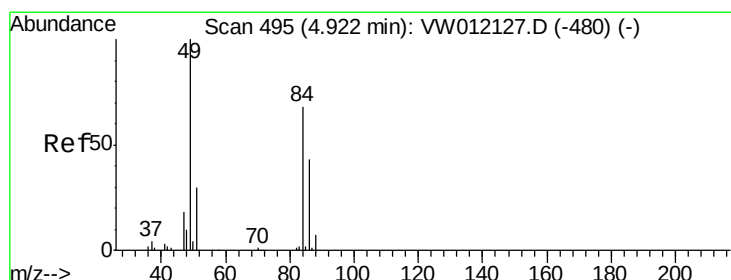
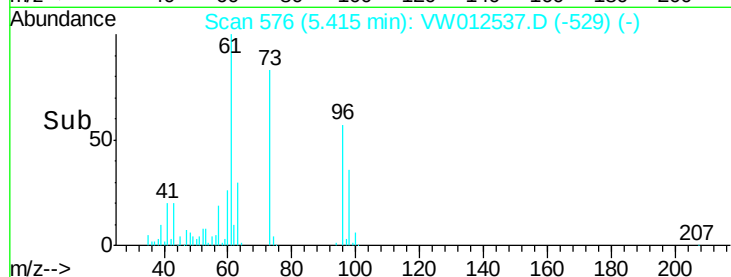
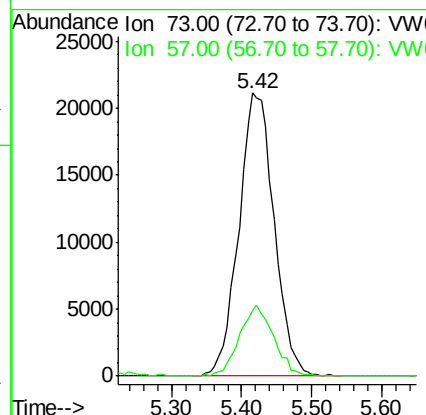
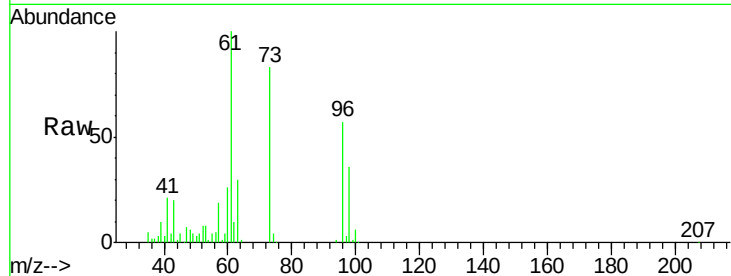
#19
Methyl tert-butyl Ether
Concen: 19.495 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion: 73 Resp: 73914
Ion Ratio Lower Upper
73 100
57 23.3 18.9 28.3

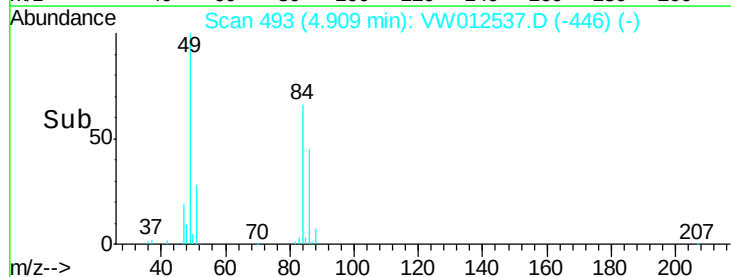
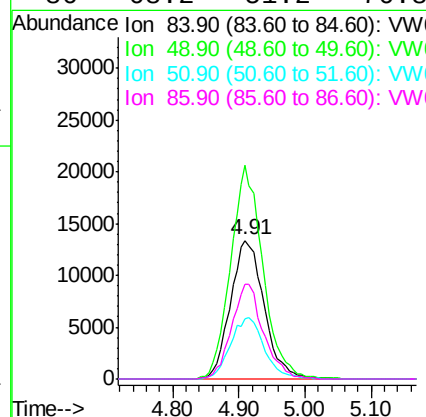
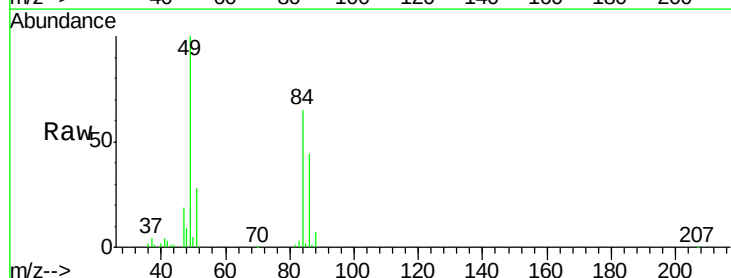
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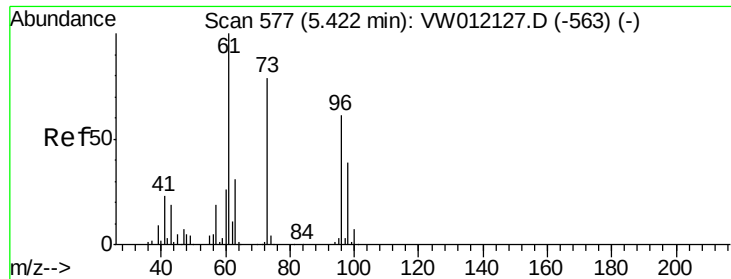
MMDadoda
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#20
Methylene Chloride
Concen: 17.518 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion: 84 Resp: 47038
Ion Ratio Lower Upper
84 100
49 153.8 117.8 176.8
51 43.1 35.6 53.4
86 68.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 17.730 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion: 96 Resp: 44575

Ion Ratio Lower Upper

96 100

61 152.6 131.4 197.0

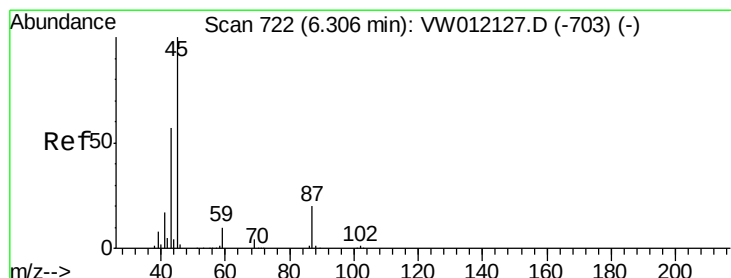
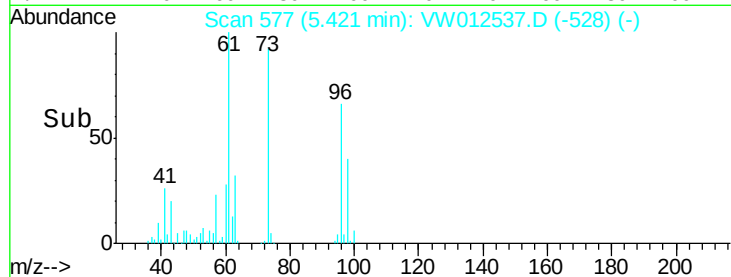
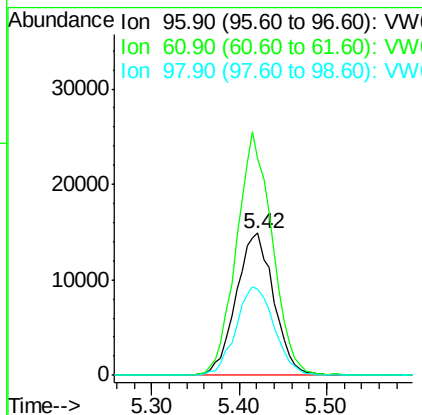
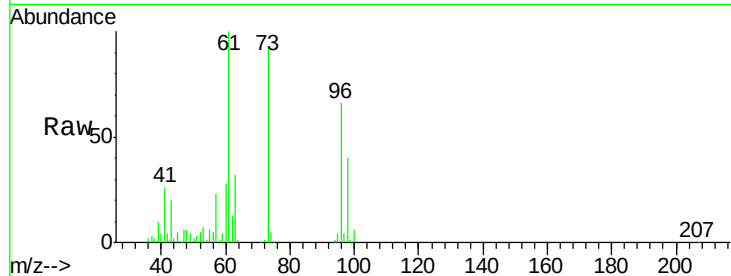
98 61.1 51.4 77.0

Manual Integrations

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9/4/2019 9:34:57 AM



#22

Diisopropyl ether

Concen: 18.747 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Tgt Ion: 45 Resp: 174168

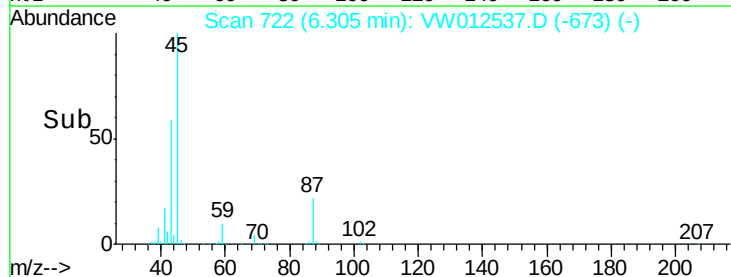
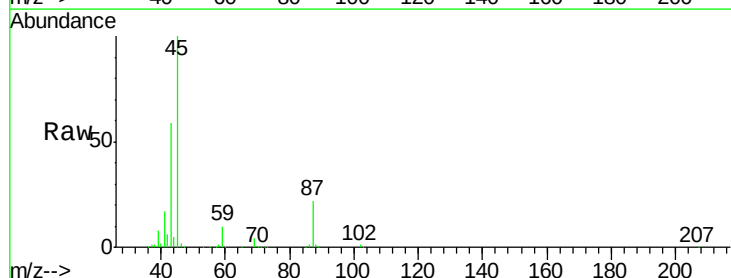
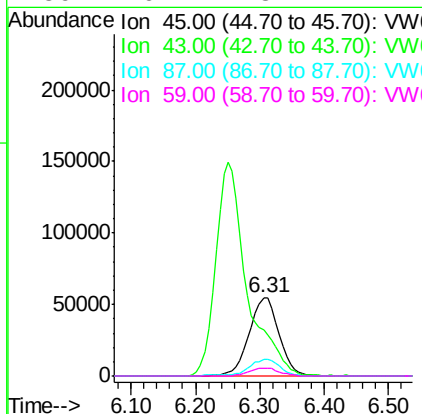
Ion Ratio Lower Upper

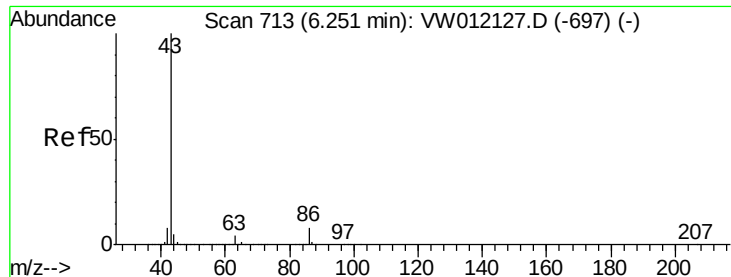
45 100

43 58.9 45.5 68.3

87 21.6 16.1 24.1

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 88.302 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion: 43 Resp: 504880

Ion Ratio Lower Upper

43 100

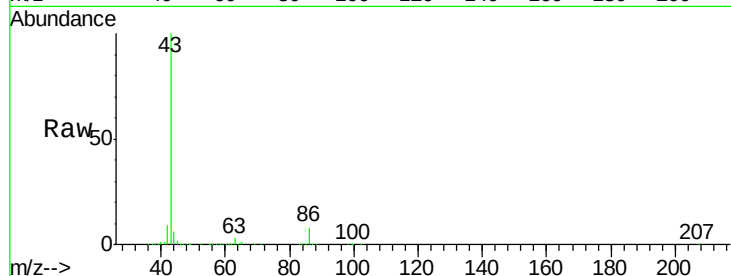
86 8.3 6.5 9.7

Manual Integrations

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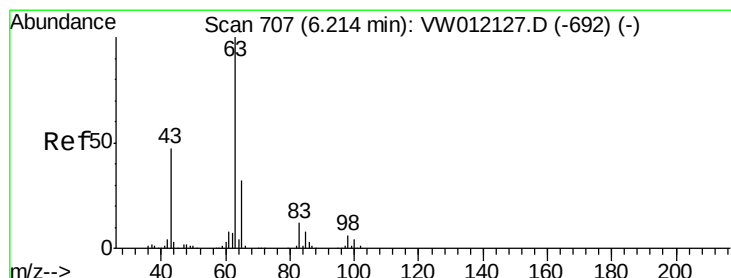
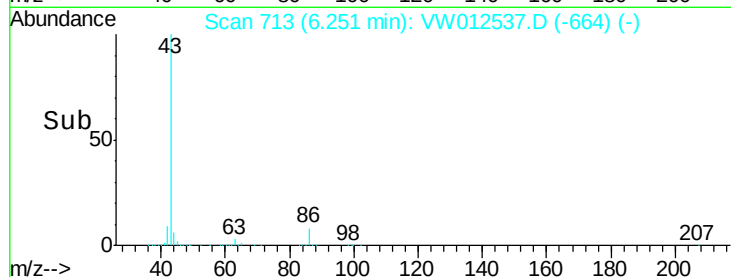
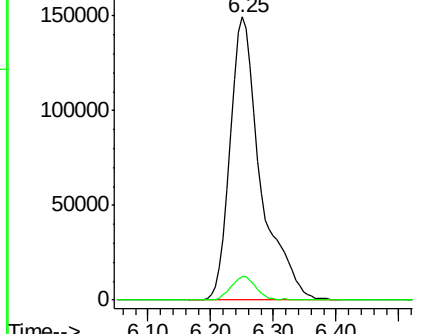
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 18.520 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

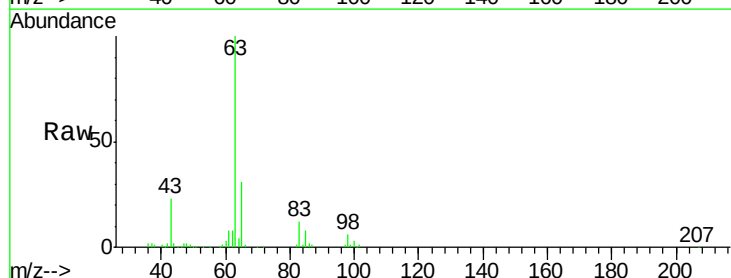
Tgt Ion: 63 Resp: 93686

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

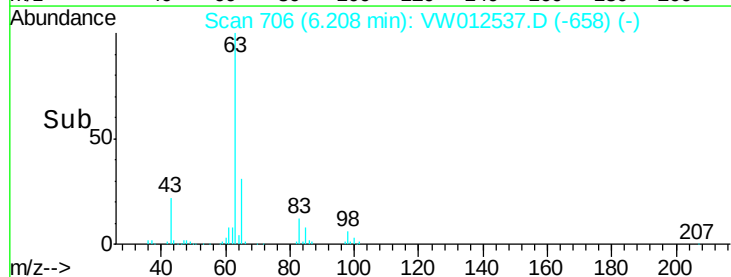
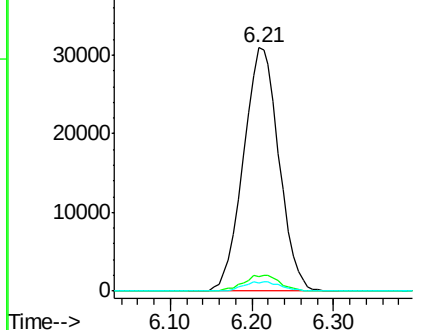
100 3.3 2.0 6.0

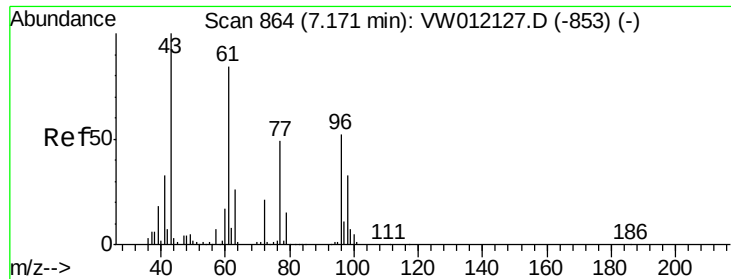


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 87.542 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion: 43 Resp: 84493

Ion Ratio Lower Upper

43 100

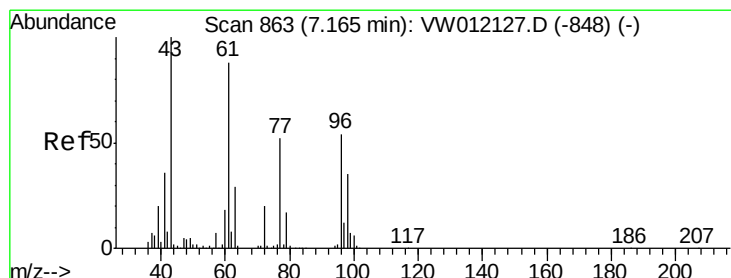
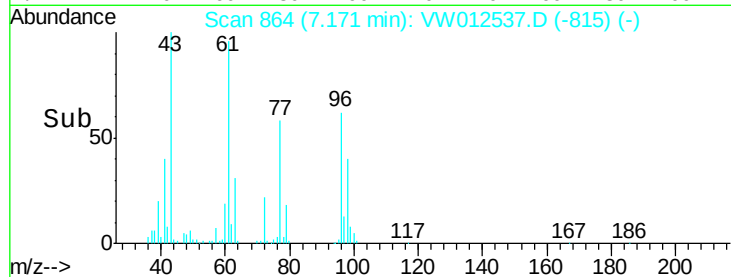
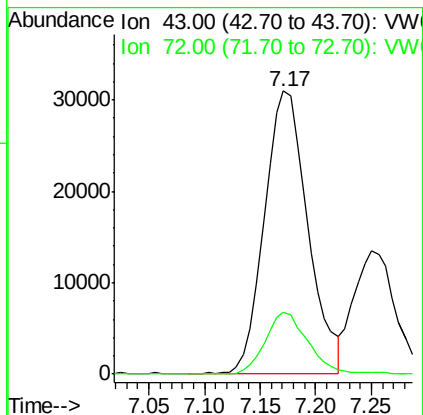
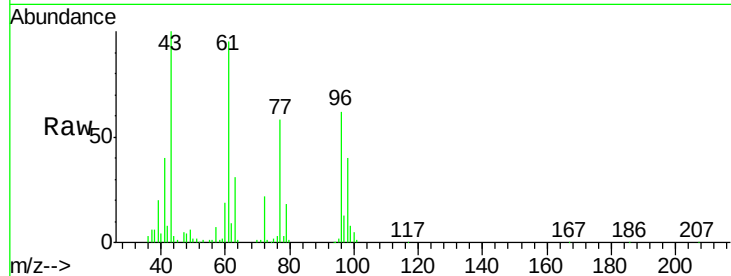
72 22.0 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.792 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012537.D

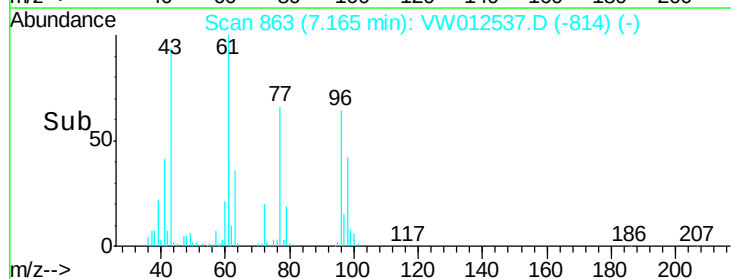
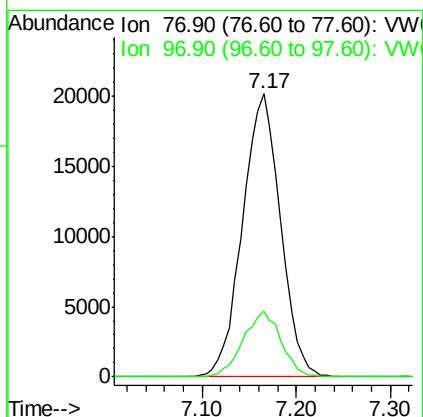
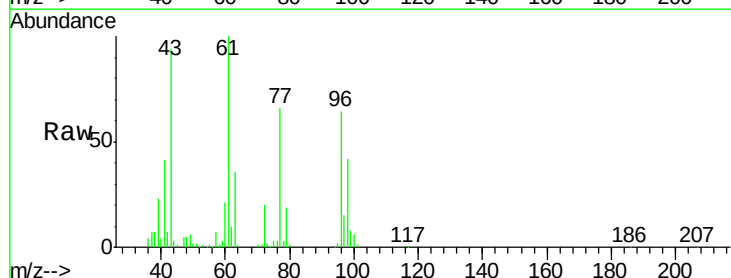
Acq: 03 Sep 2019 10:19

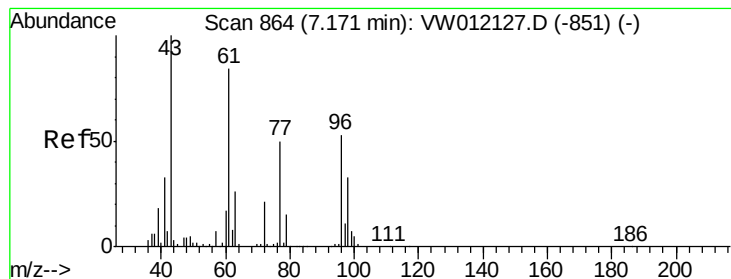
Tgt Ion: 77 Resp: 56670

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.1





#27

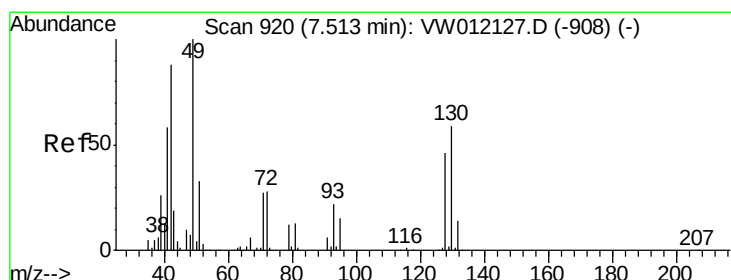
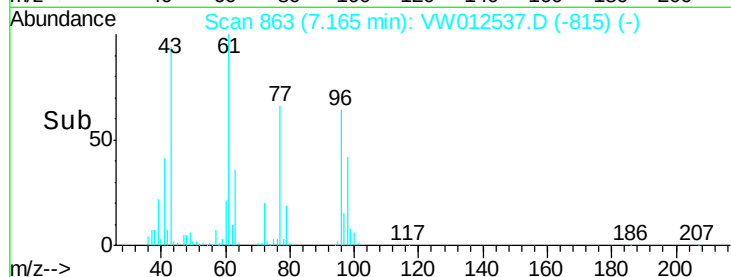
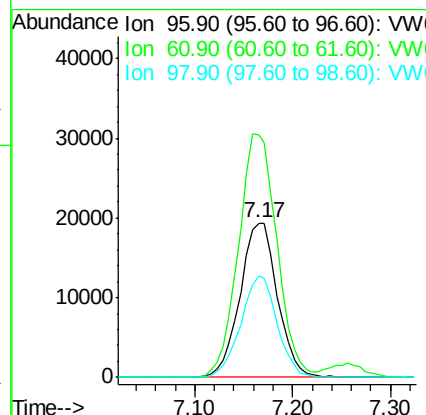
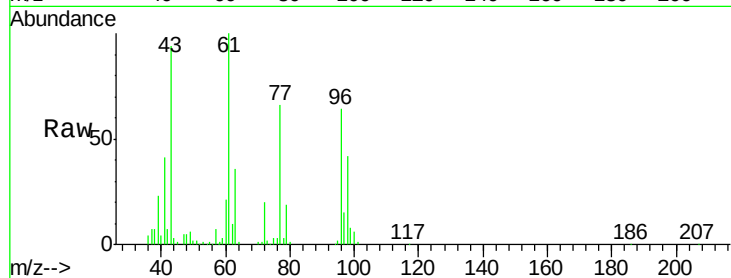
cis-1,2-Dichloroethene
Concen: 19.078 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	326.6
98	64.1	0.0	127.4

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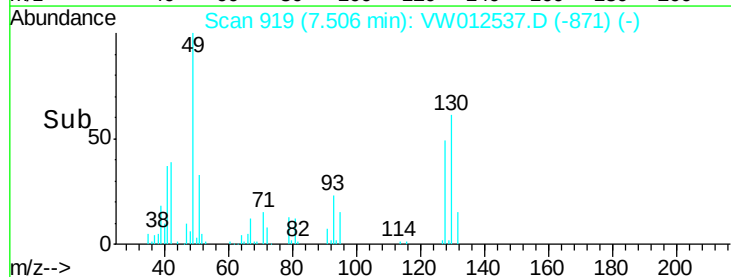
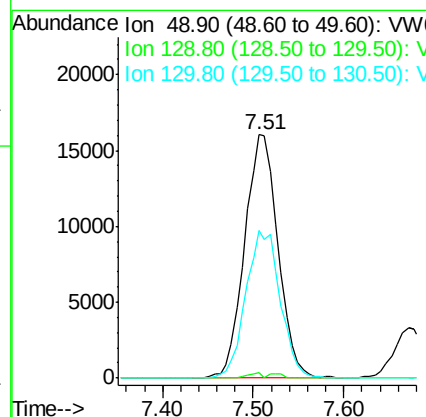
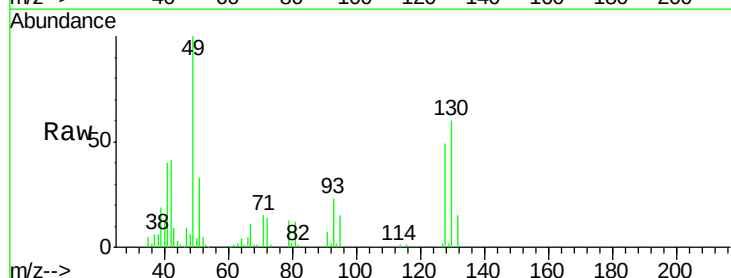
MMDadoda
9/4/2019 9:34:57 AM

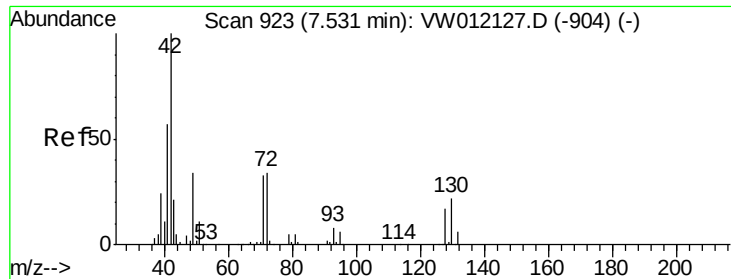


#28

Bromochloromethane
Concen: 18.498 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.4
130	62.3	45.5	68.3





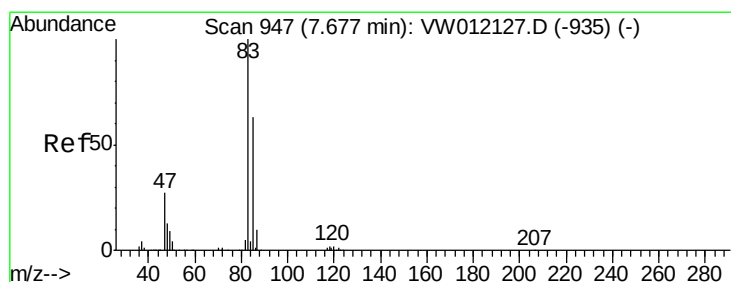
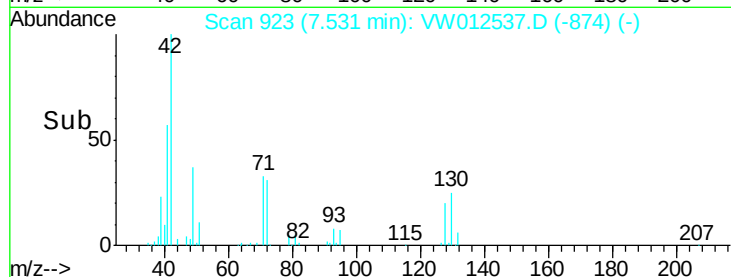
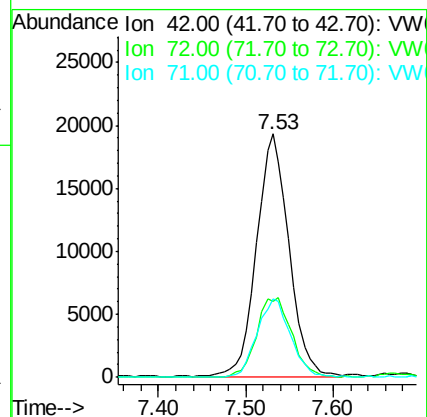
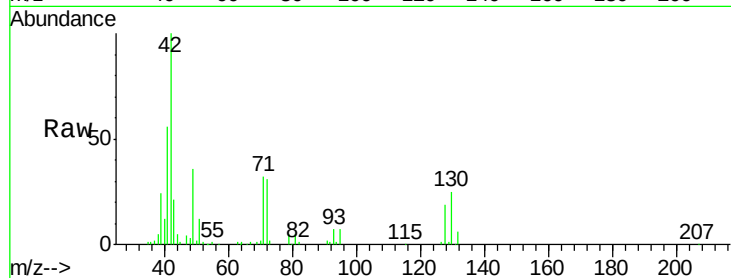
#29
Tetrahydrofuran
Concen: 85.751 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	27.3	40.9
71	33.6	25.5	38.3

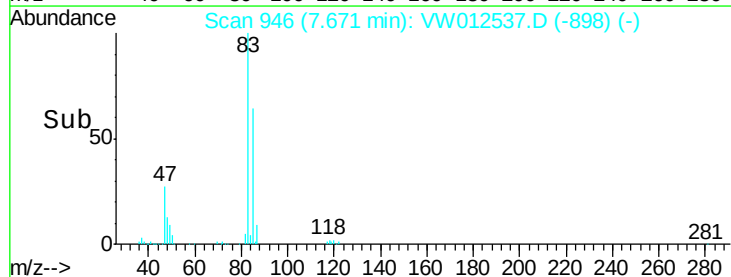
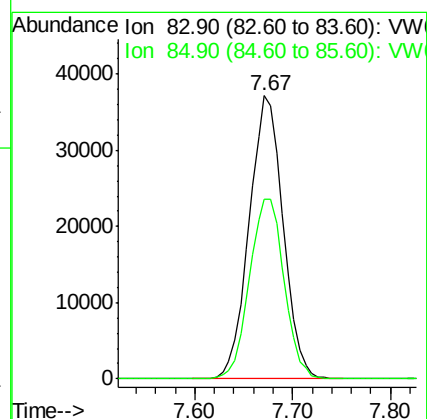
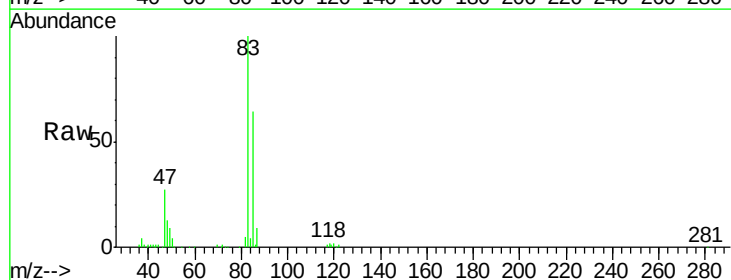
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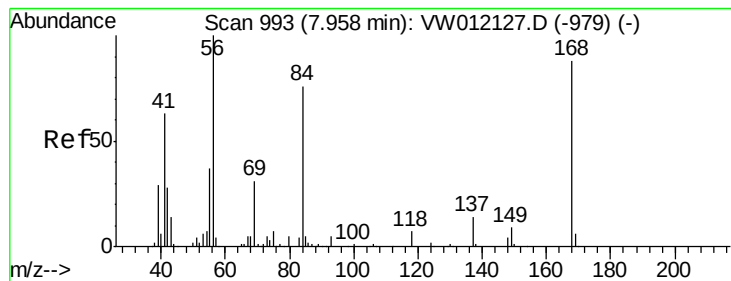
MMDadoda
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#30
Chloroform
Concen: 19.377 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	76.0





#31

Cyclohexane

Concen: 16.833 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

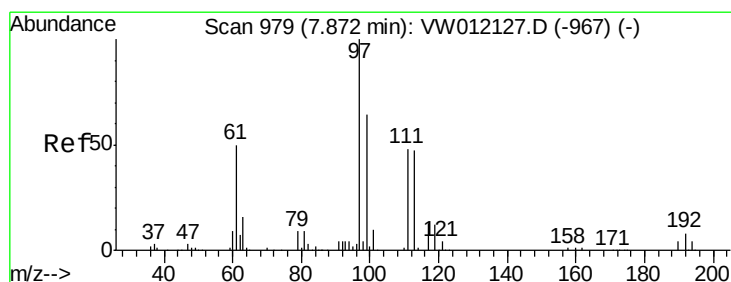
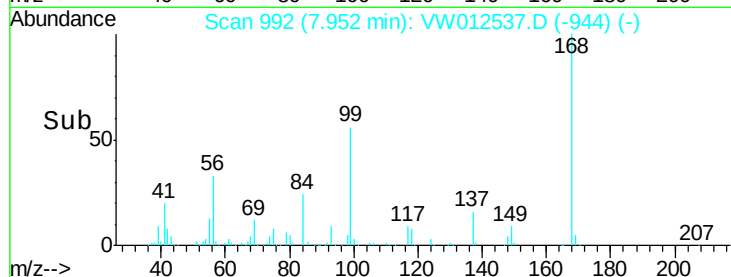
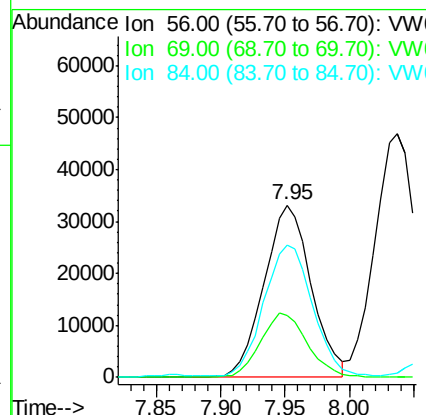
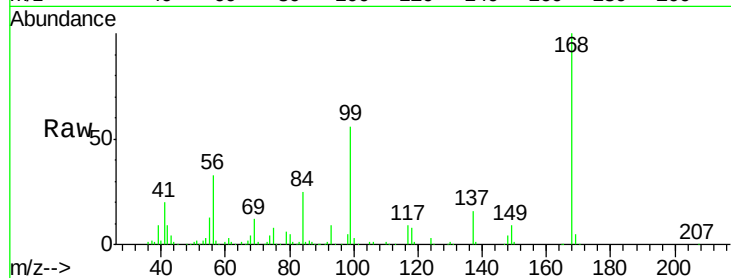
ClientSampleId :

VW0903SBS01

Tot Ion:	56	Resp:	84247
Ion Ratio	Lower	Upper	
56	100		
69	35.4	24.9	37.3
84	75.5	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 19.432 ug/l

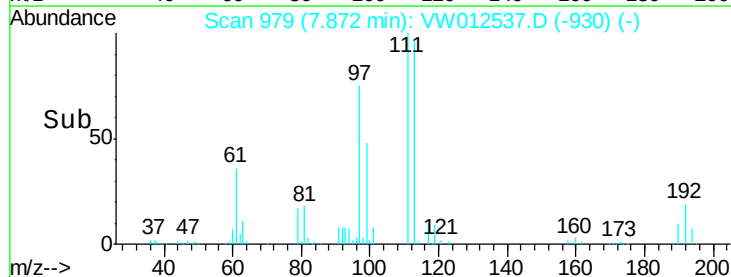
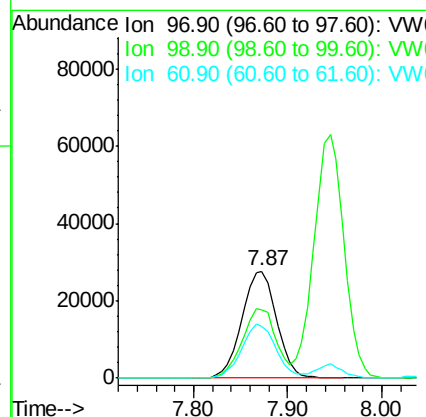
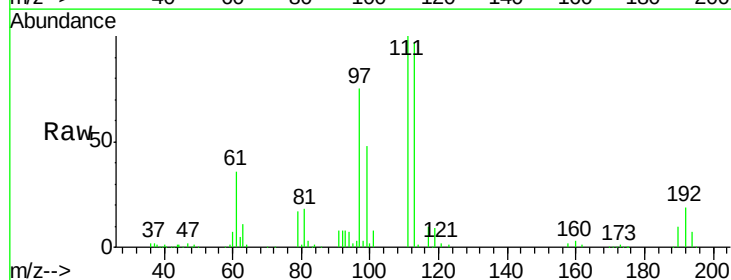
RT: 7.87 min Scan# 979

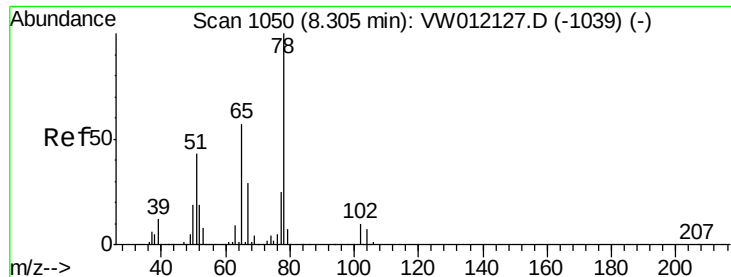
Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Tgt Ion:	97	Resp:	71143
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.4	77.0
61	49.6	39.5	59.3





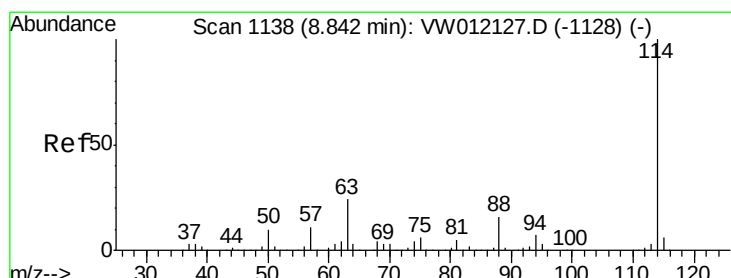
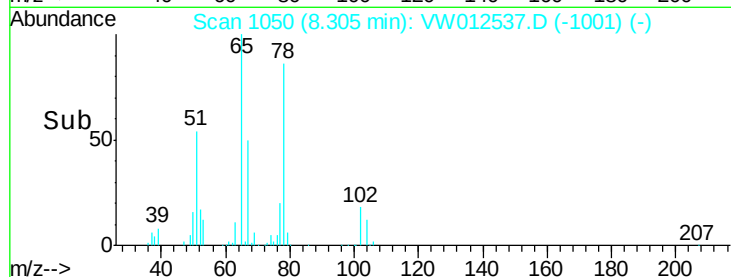
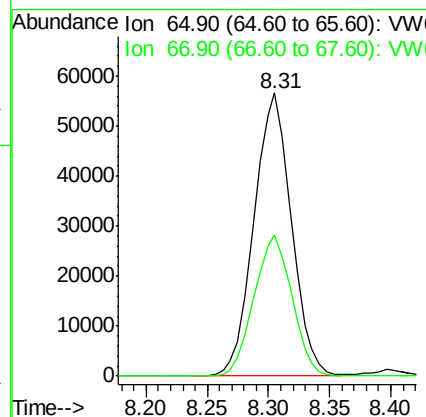
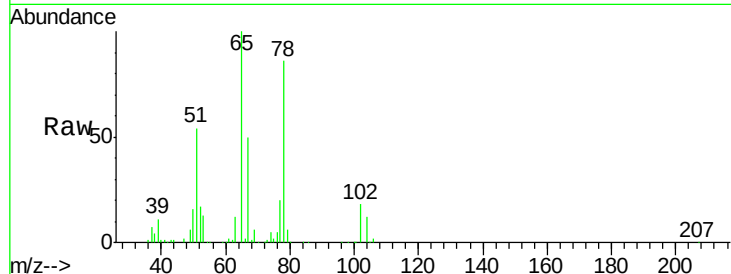
#33
 1,2-Dichloroethane-d4
 Concen: 43.478 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120807		
67	50.4	0.0	102.6	

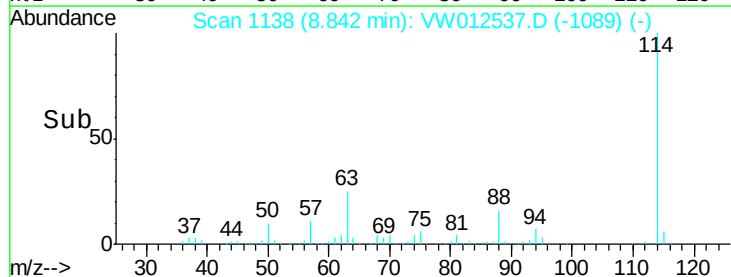
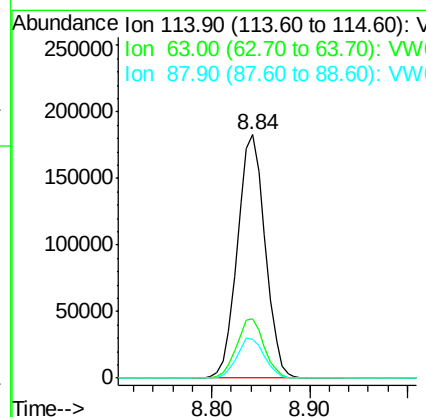
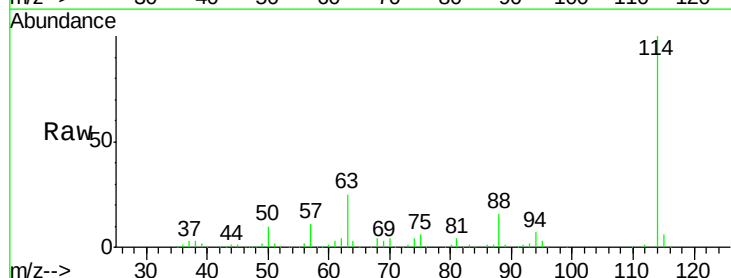
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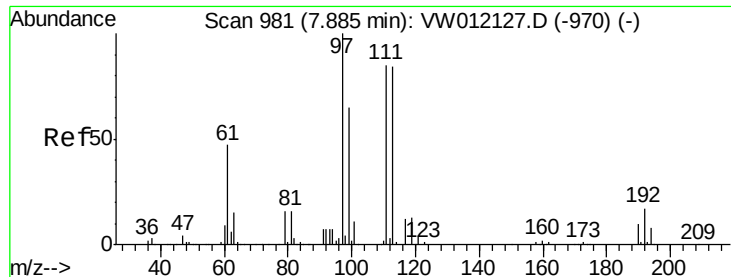
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	358884		
63	24.5	0.0	48.6	
88	15.7	0.0	32.2	





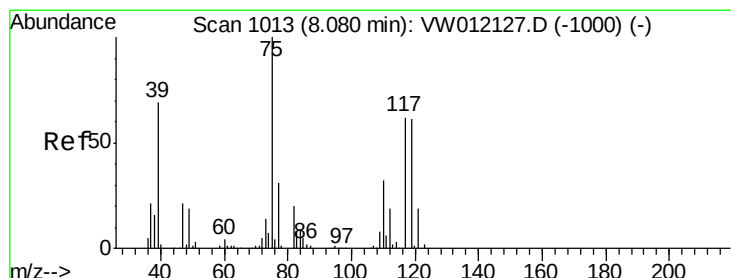
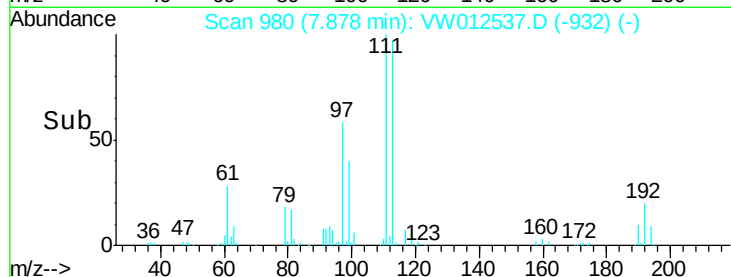
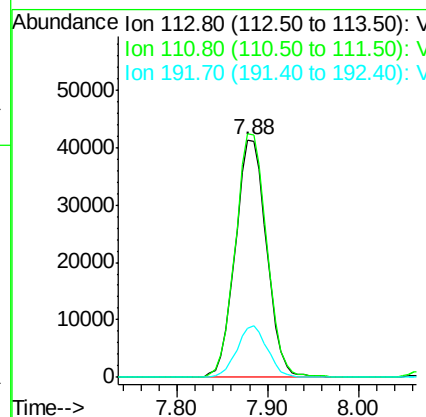
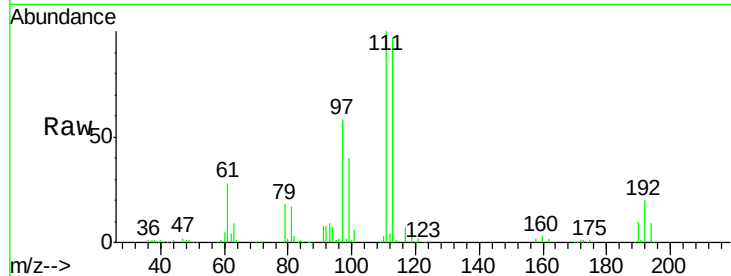
#35
 Dibromofluoromethane
 Concen: 46.204 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	21.1	16.2	24.2

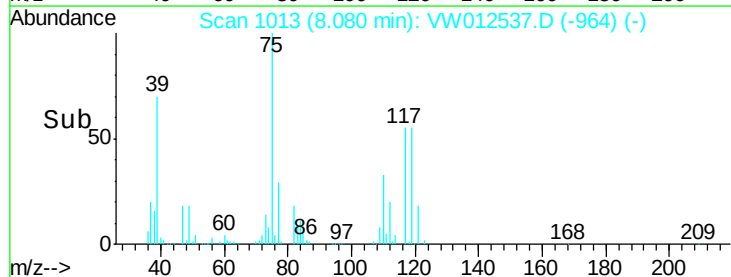
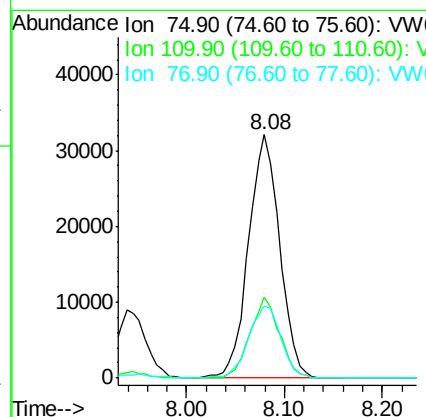
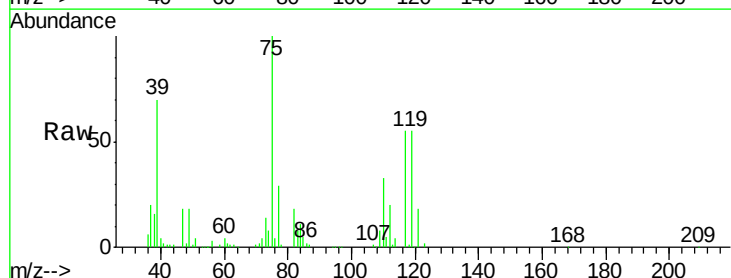
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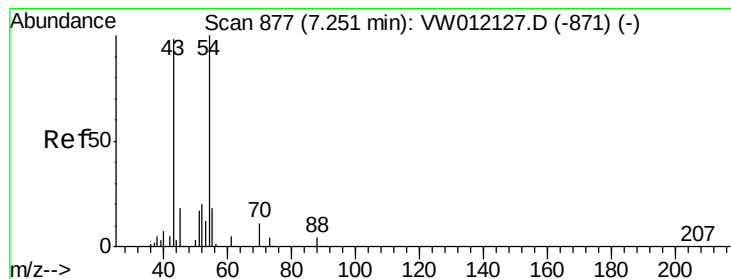
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#36
 1,1-Dichloropropene
 Concen: 19.195 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	15.6	46.8
77	31.1	24.6	36.8





#37

Ethyl Acetate

Concen: 17.398 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

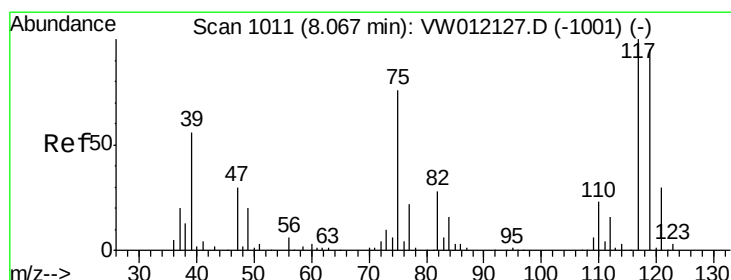
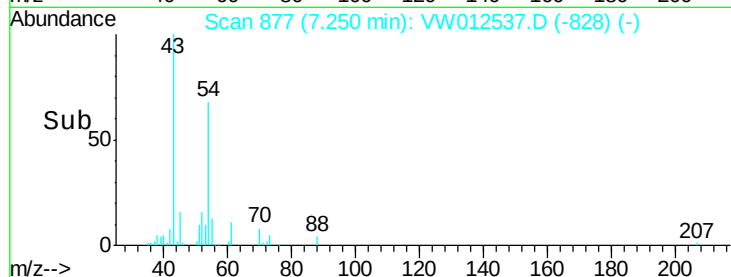
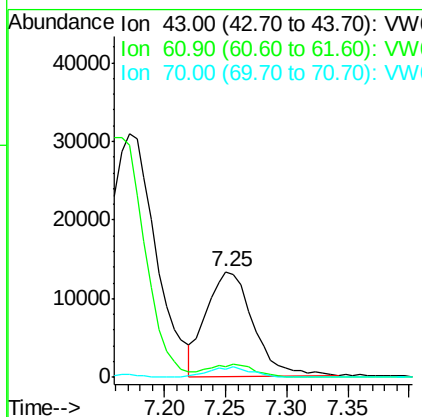
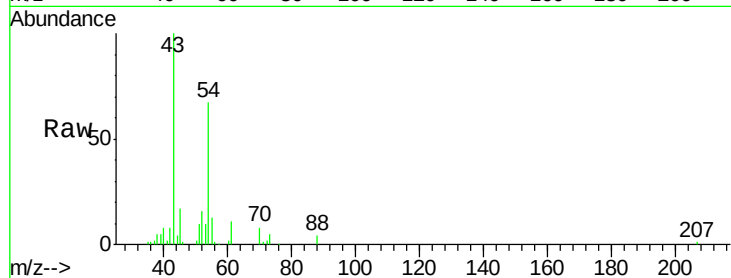
ClientSampleId :

VW0903SBS01

Tot Ion:	43	Resp:	35357
Ion Ratio	Lower	Upper	
43	100		
61	13.1	9.2	13.8
70	8.7	6.9	10.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.976 ug/l

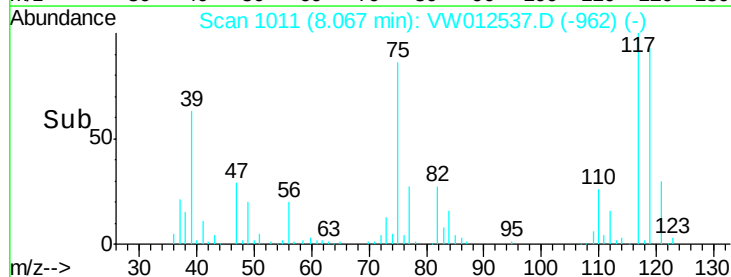
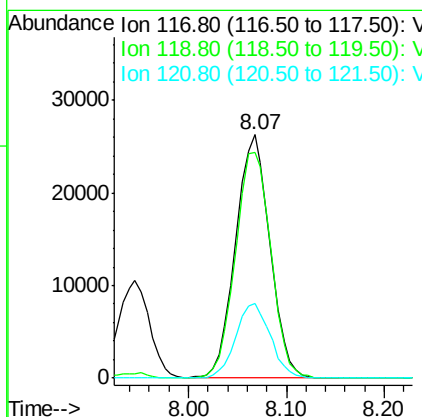
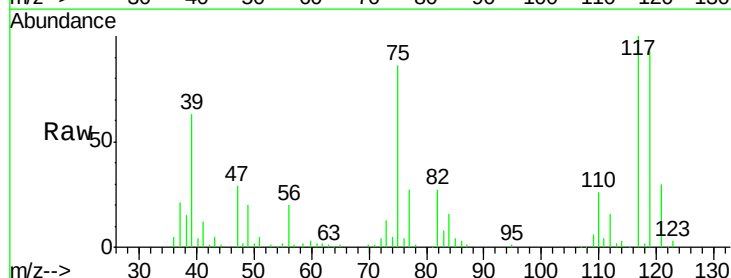
RT: 8.07 min Scan# 1011

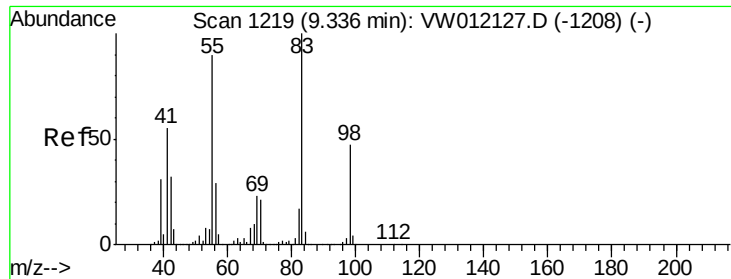
Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Tgt Ion:	117	Resp:	64122
Ion Ratio	Lower	Upper	
117	100		
119	92.8	76.2	114.2
121	30.5	23.8	35.8





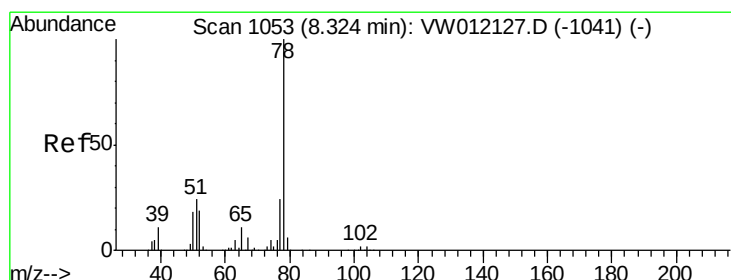
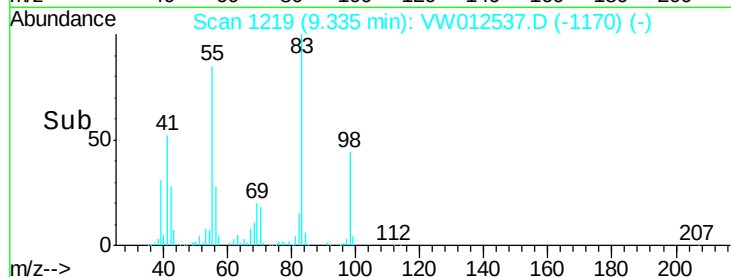
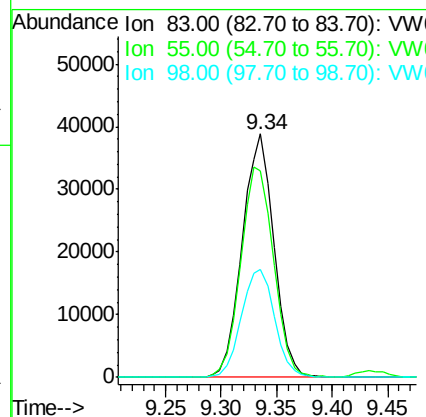
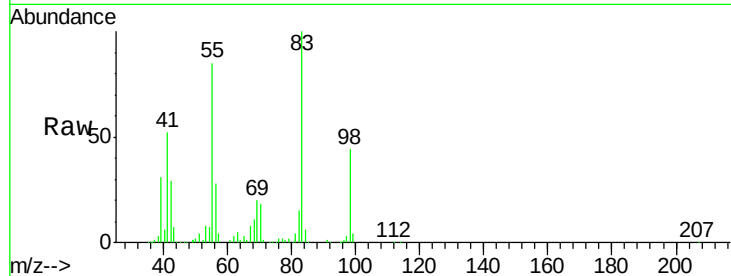
#39
Methylvlcyclohexane
Concen: 18.383 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	71.8	107.8
98	44.3	37.8	56.8

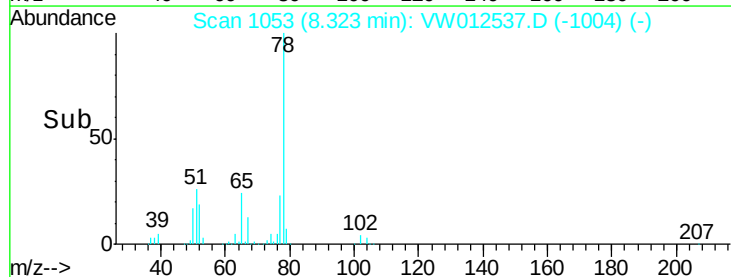
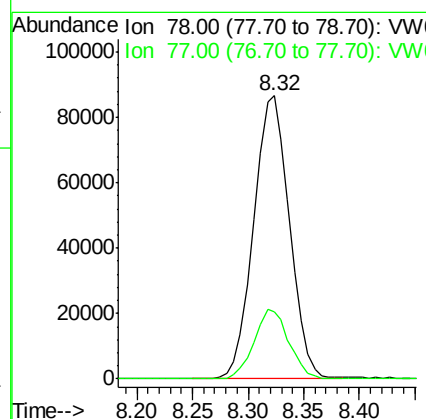
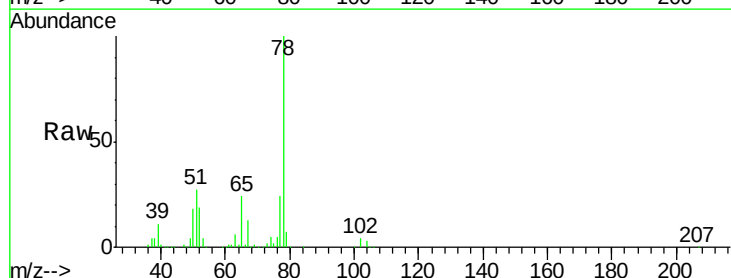
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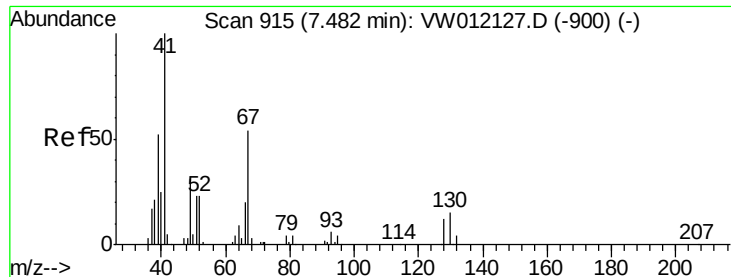
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#40
Benzene
Concen: 19.173 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.5	29.3





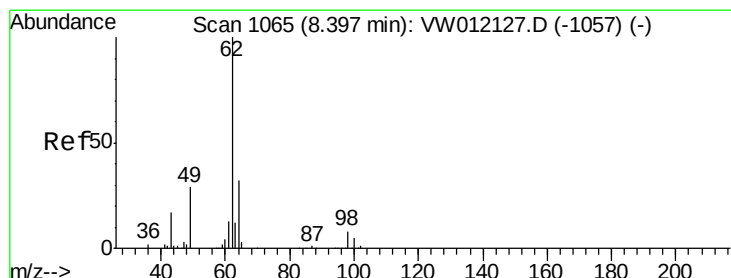
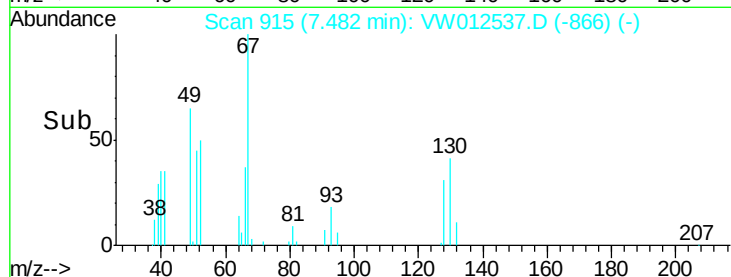
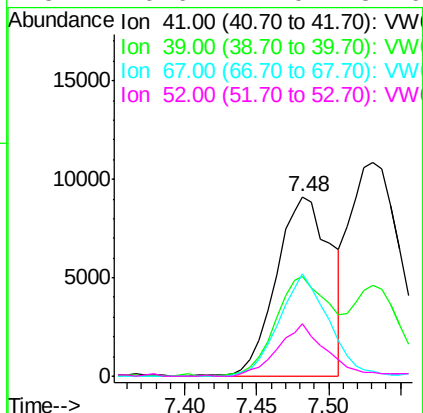
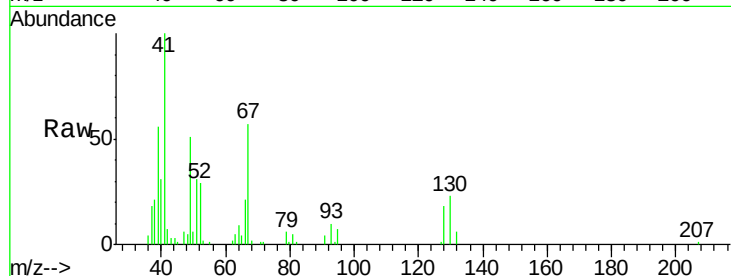
#41
Methacrylonitrile
Concen: 20.137 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	41	Resp	24053
Ion	Ratio	Lower	Upper
41	100		
39	54.8	45.8	68.8
67	52.2	46.2	69.4
52	26.6	21.0	31.6

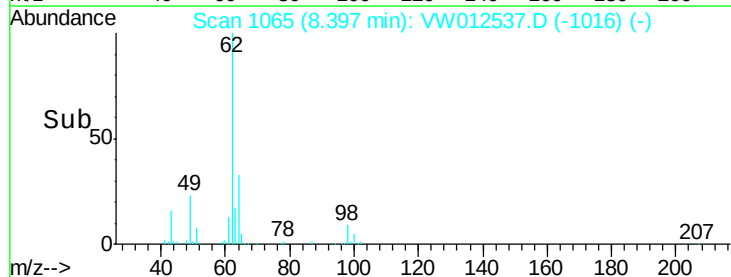
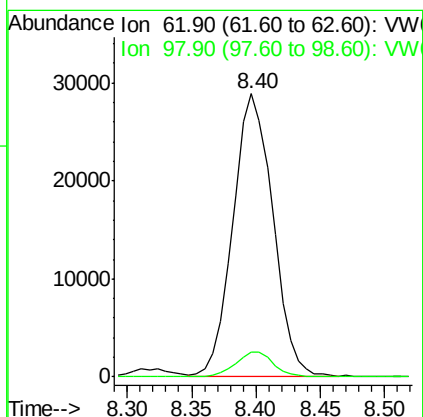
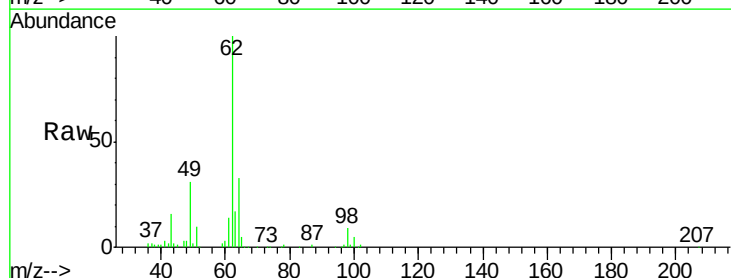
Manual Integrations
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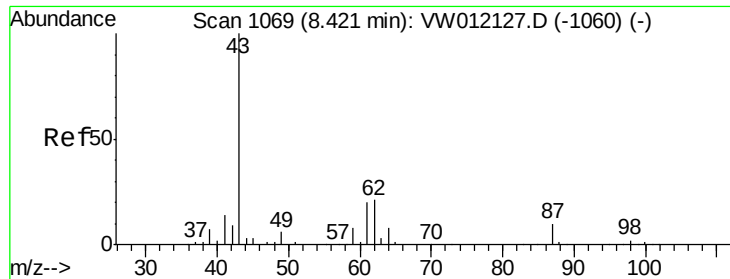
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.561 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	62	Resp	62082
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 18.337 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

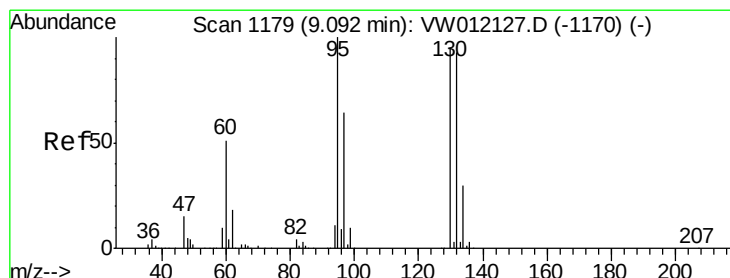
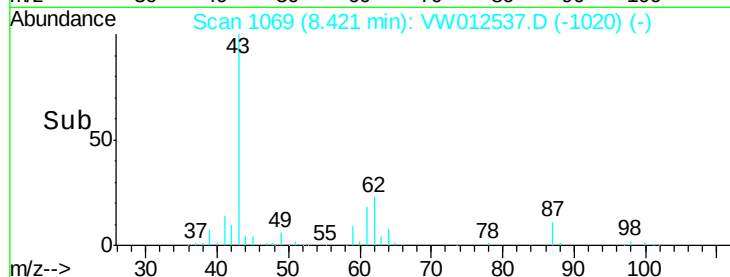
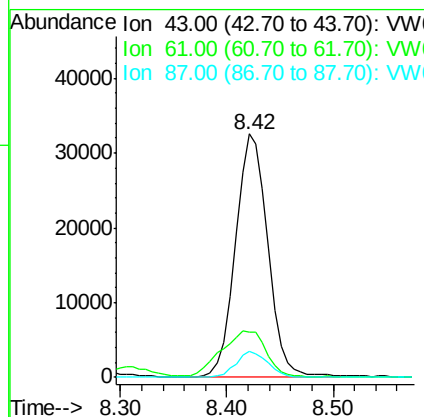
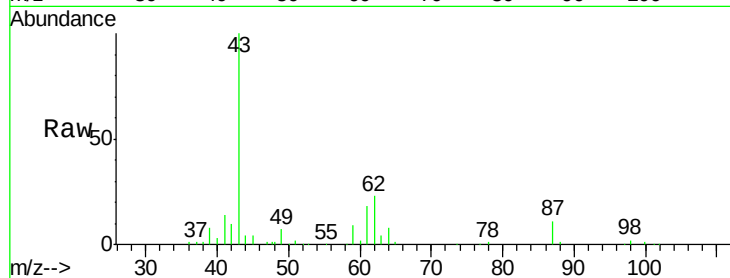
ClientSampleId :

VW0903SBS01

Tot Ion:	43	Resp:	69028
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.1	31.7
87	10.6	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.740 ug/l

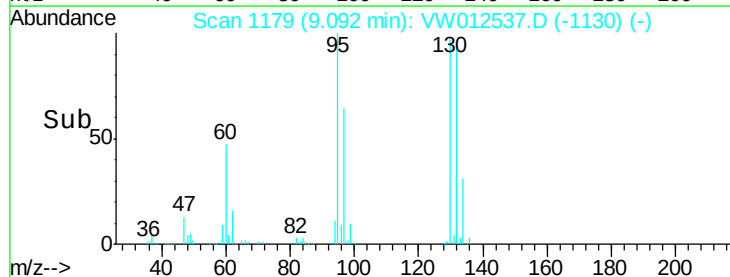
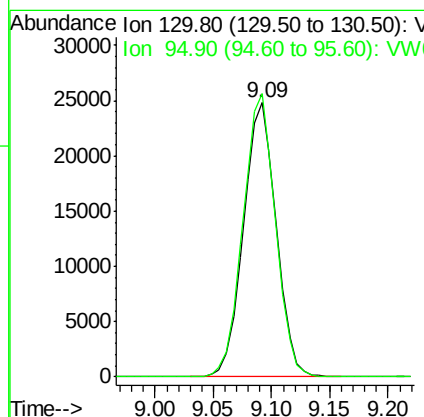
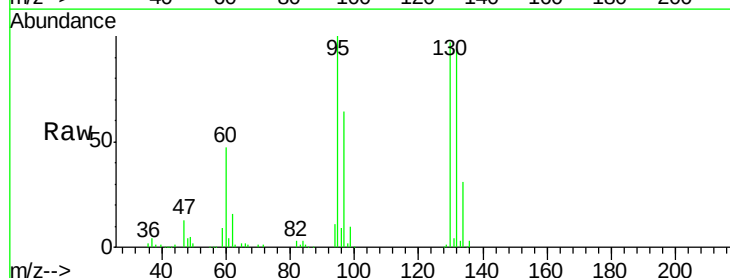
RT: 9.09 min Scan# 1179

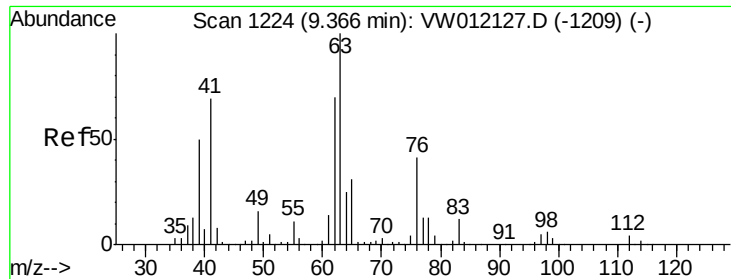
Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Tgt Ion:	130	Resp:	48595
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	210.6





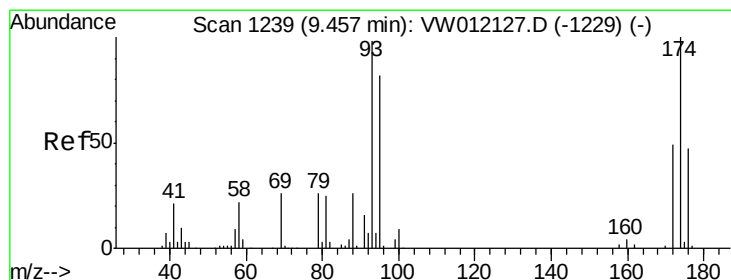
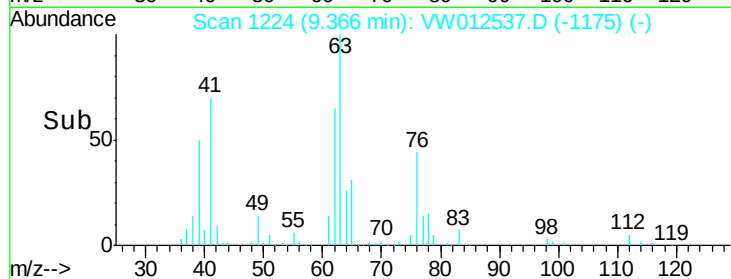
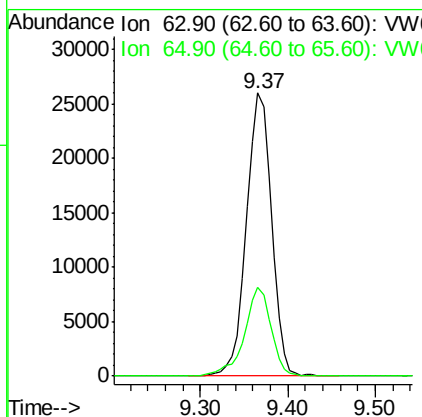
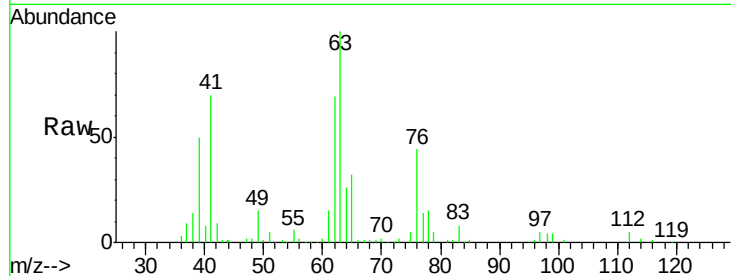
#45
 1,2-Dichloropropane
 Concen: 19.079 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Tot Ion: 63 Resp: 51997
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4

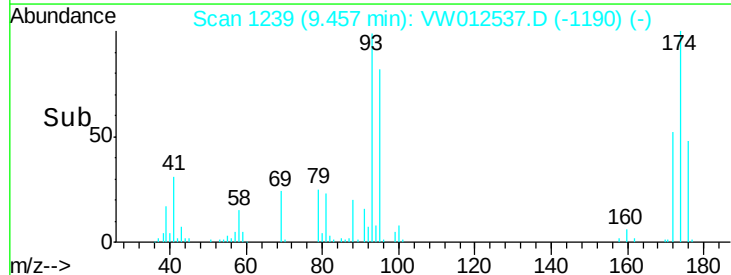
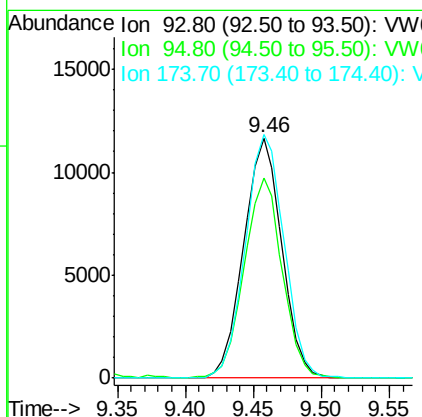
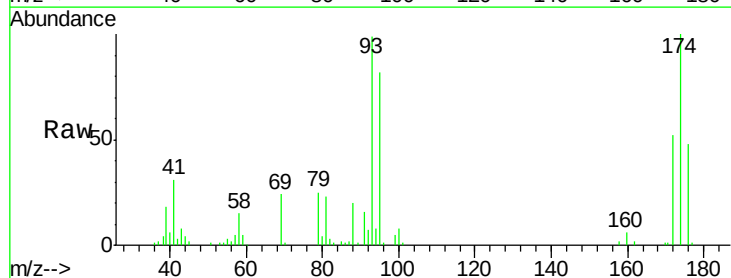
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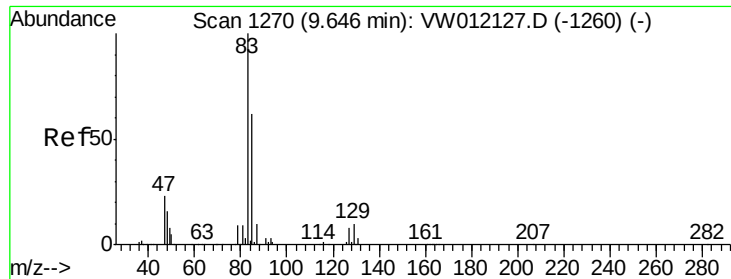
MMDadoda
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#46
 Dibromomethane
 Concen: 18.849 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion: 93 Resp: 22856
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.2 100.8
 174 103.3 79.0 118.6





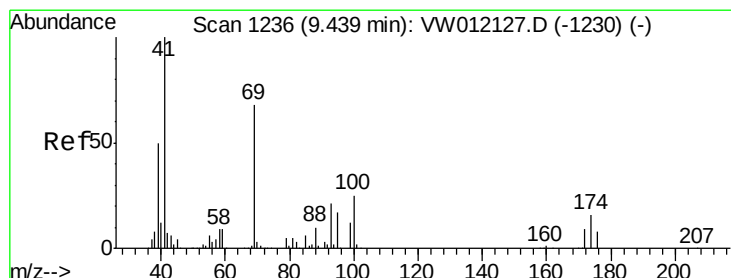
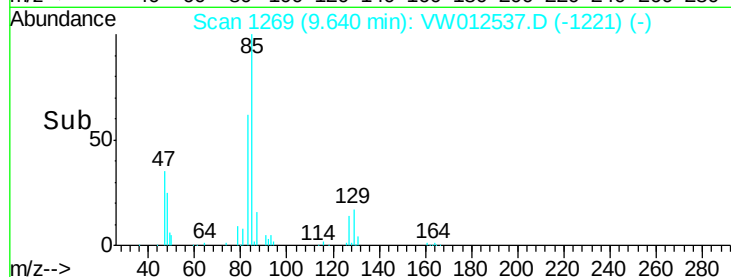
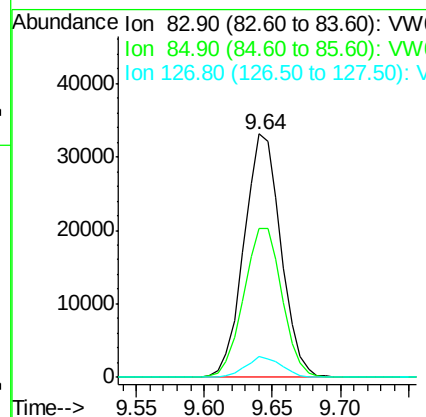
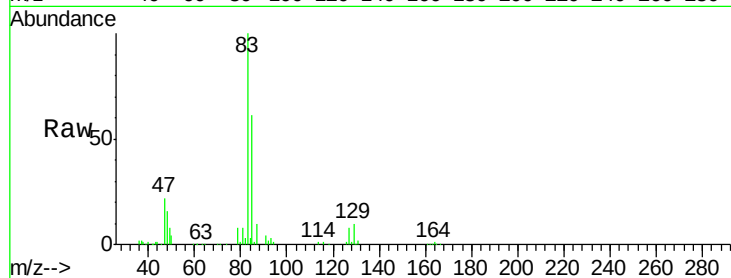
#47
Bromodichloromethane
Concen: 19.453 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	83	Resp	62780
Ion	Ratio	Lower	Upper
83	100		
85	61.2	49.4	74.2
127	8.4	6.1	9.1

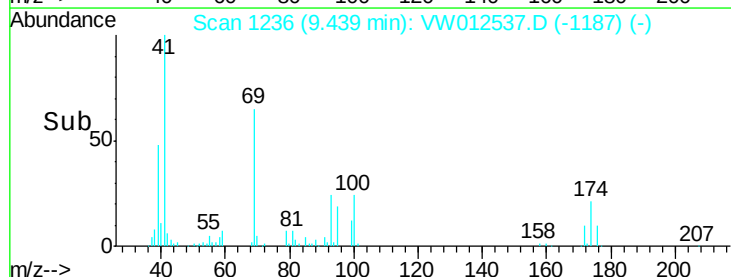
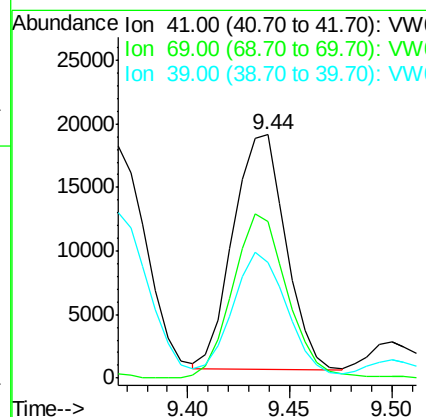
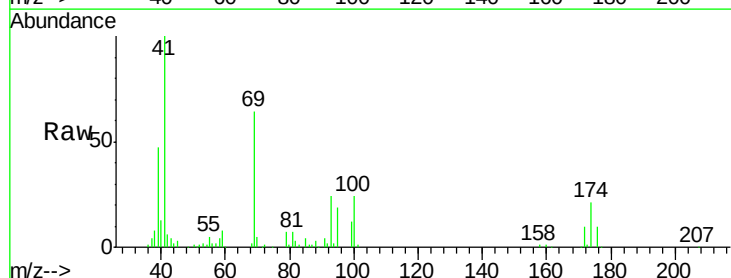
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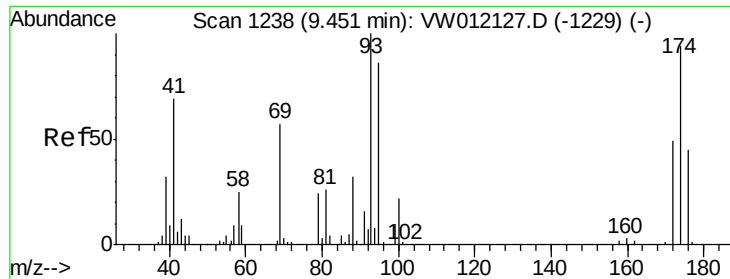
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#48
Methyl methacrylate
Concen: 18.473 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	41	Resp	33097
Ion	Ratio	Lower	Upper
41	100		
69	73.1	56.7	85.1
39	55.5	42.0	63.0





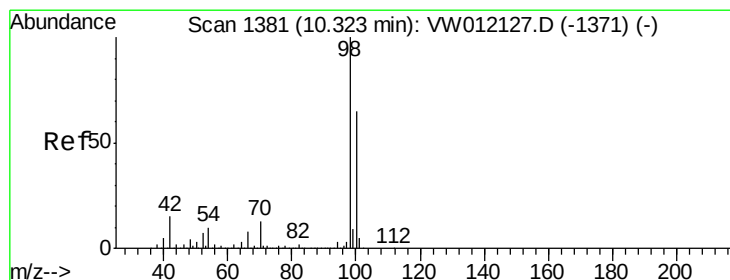
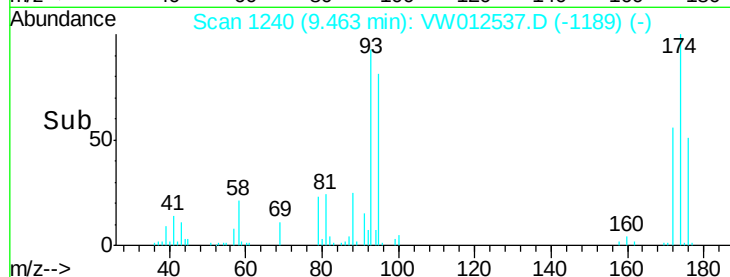
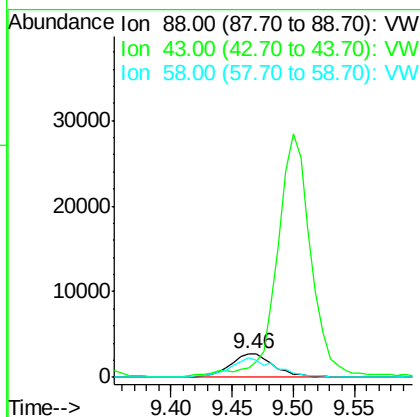
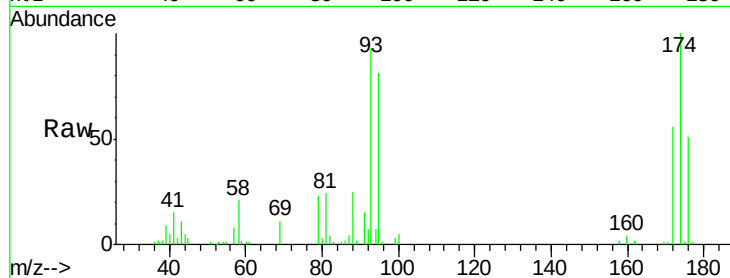
#49
1,4-Dioxane
Concen: 364.797 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	87.7	71.0	106.4

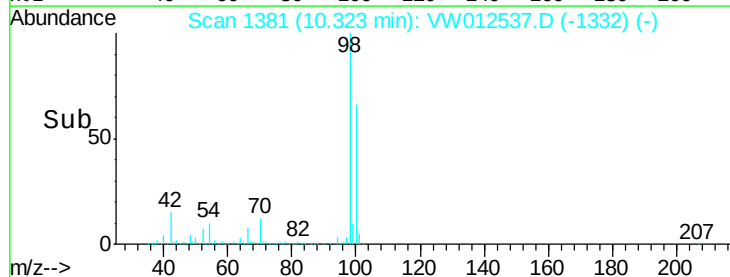
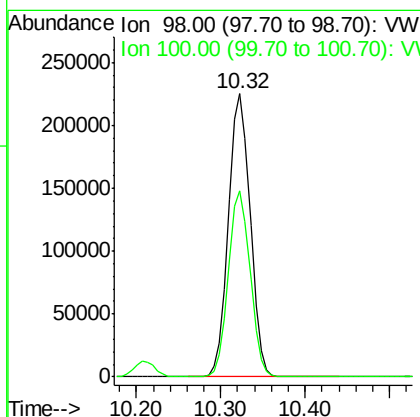
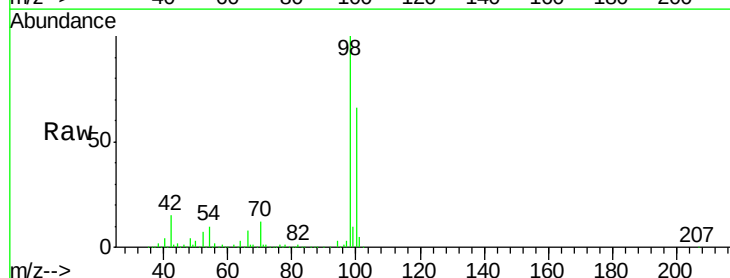
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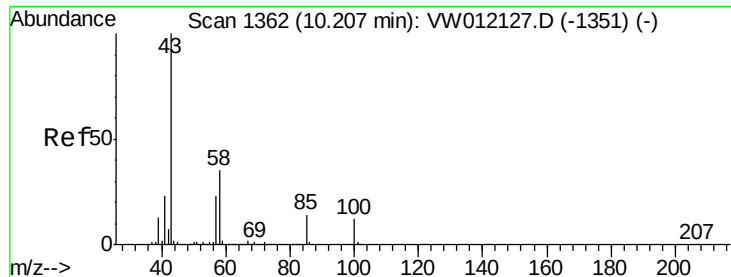
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#50
Toluene-d8
Concen: 45.312 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





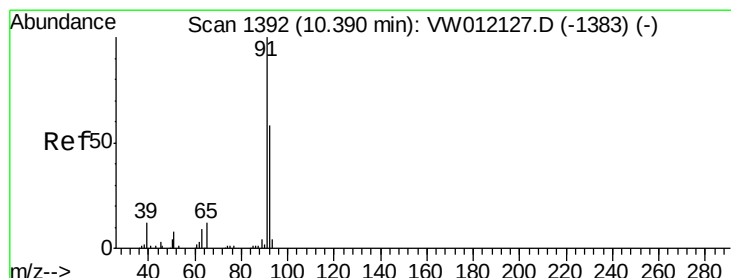
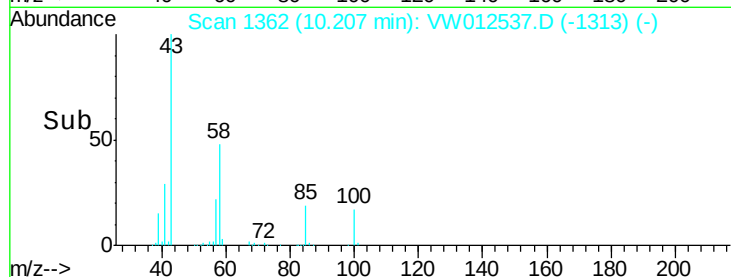
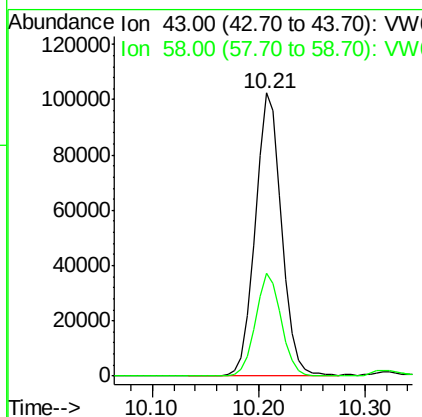
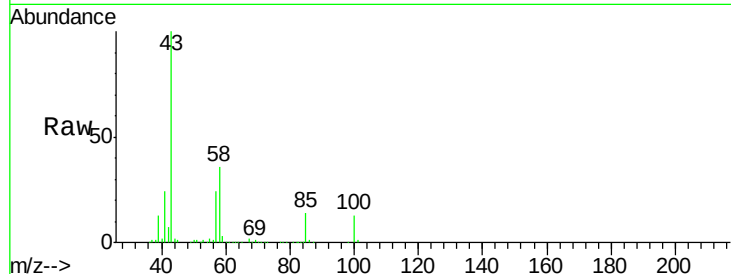
#51
4-Methyl-2-Pentanone
Concen: 92.288 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.2	42.2

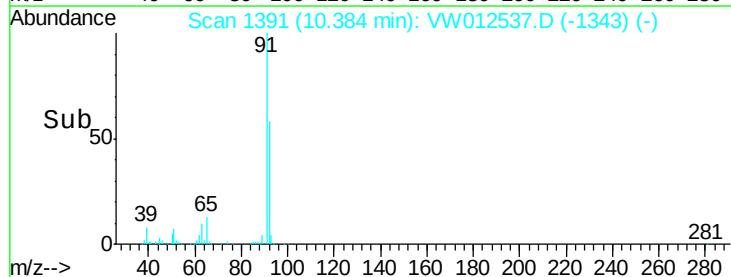
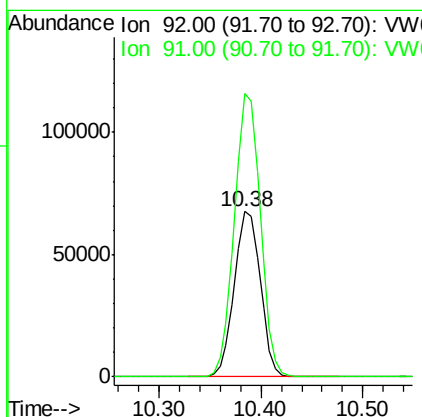
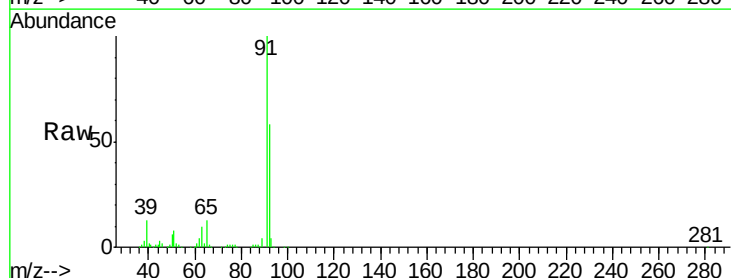
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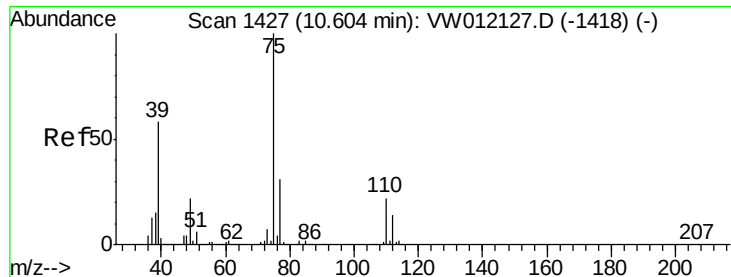
MMDadoda
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#52
Toluene
Concen: 19.675 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	136.6	204.8





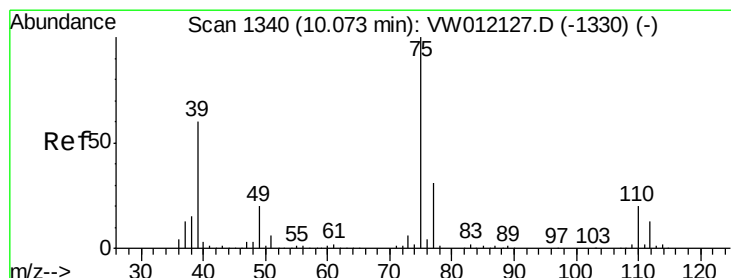
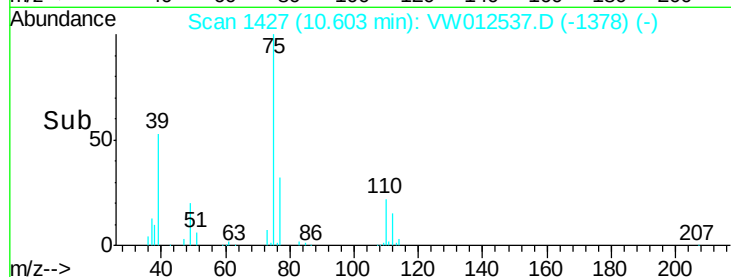
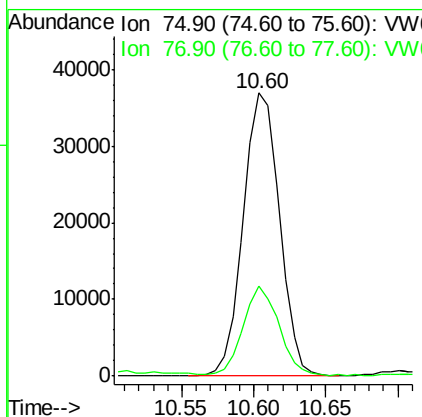
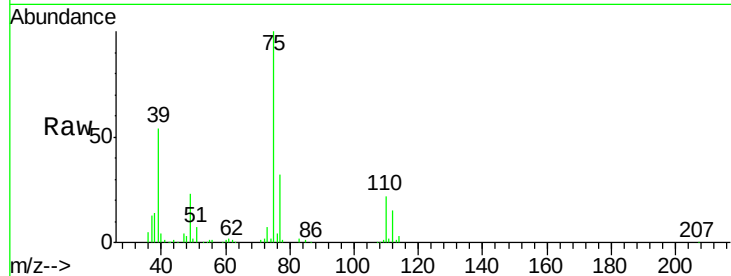
#53
t-1,3-Dichloropropene
Concen: 19.578 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	75	Resp	64361
Ion Ratio	100	Lower	Upper
77	31.0	25.0	37.4

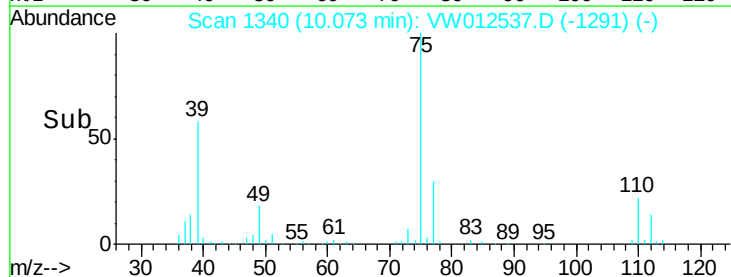
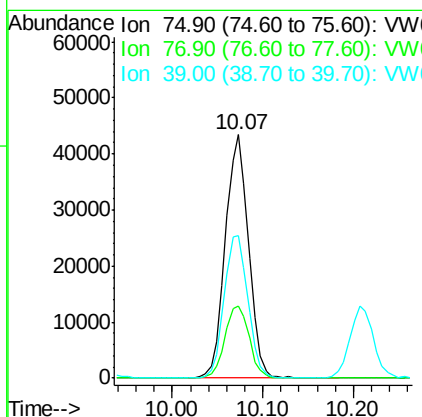
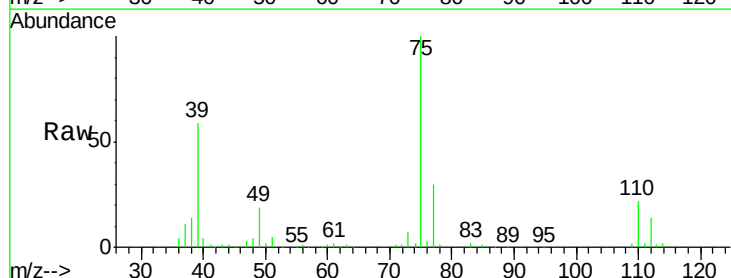
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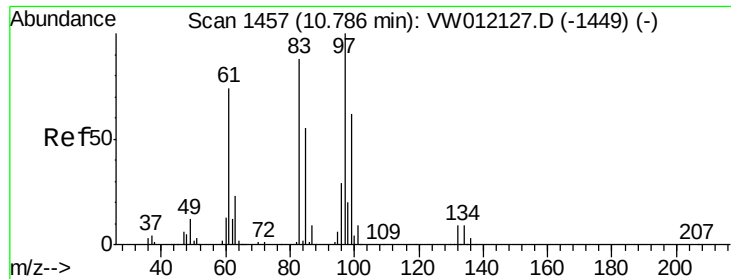
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#54
cis-1,3-Dichloropropene
Concen: 19.443 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	75	Resp	77177
Ion Ratio	100	Lower	Upper
77	29.7	25.1	37.7
39	58.8	48.3	72.5





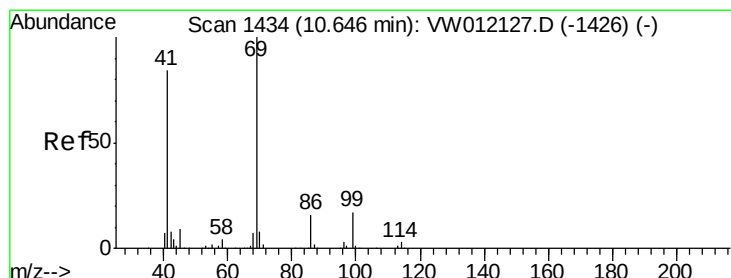
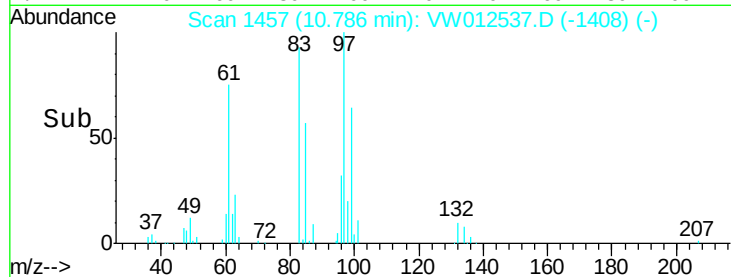
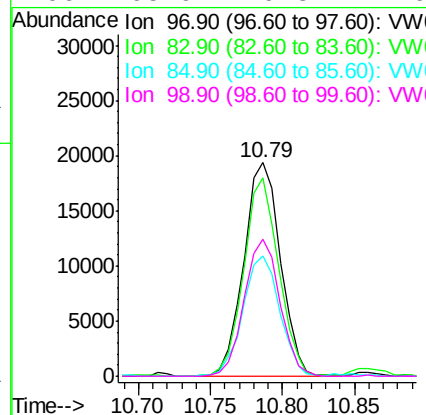
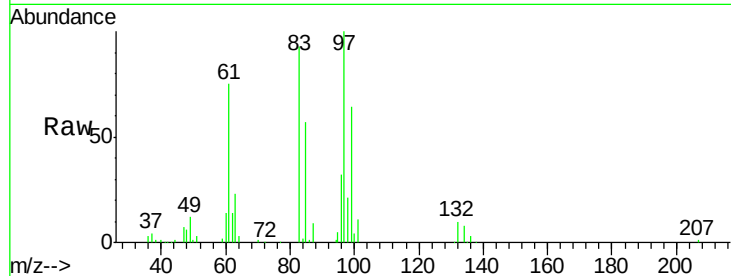
#55
 1,1,2-Trichloroethane
 Concen: 19.905 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Tot Ion:	97	Resp:	34150
Ion	Ratio	Lower	Upper
97	100		
83	92.9	70.8	106.2
85	56.6	43.8	65.8
99	63.9	49.8	74.6

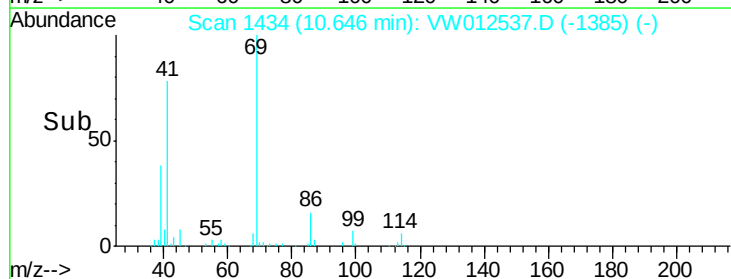
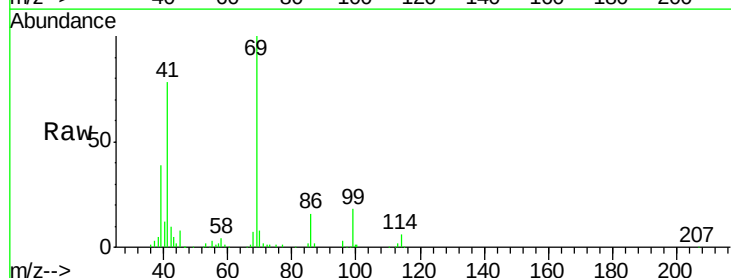
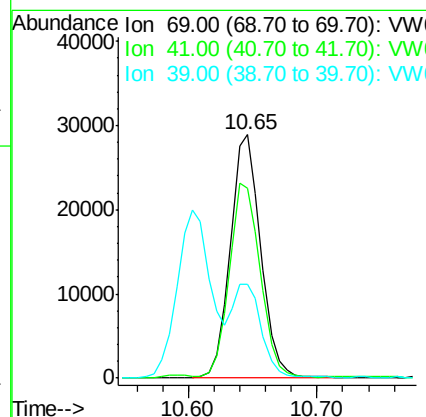
Manual Integrations
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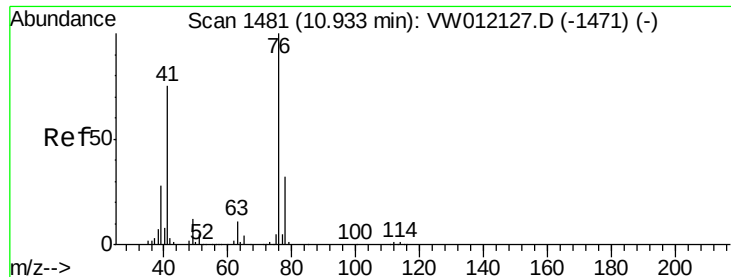
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 9/4/2019 9:34:57 AM



#56
 Ethyl methacrylate
 Concen: 19.137 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion:	69	Resp:	47787
Ion	Ratio	Lower	Upper
69	100		
41	80.7	66.5	99.7
39	35.6	31.0	46.4





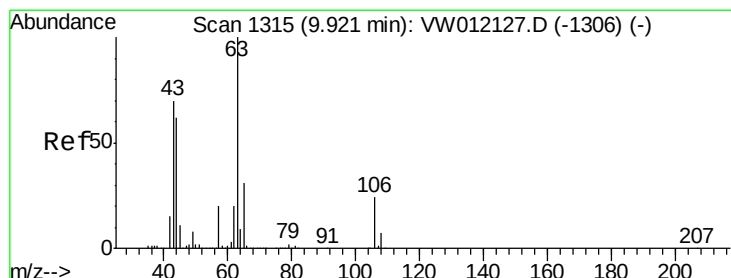
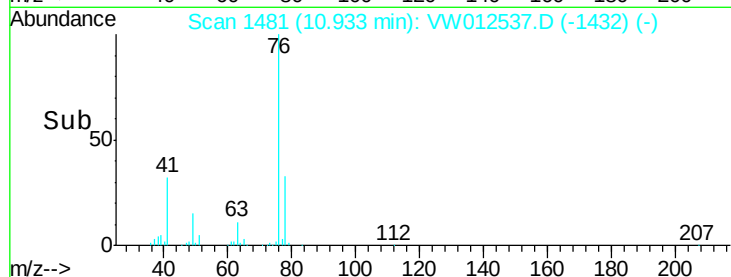
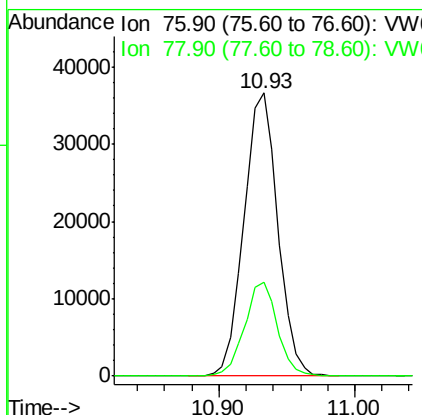
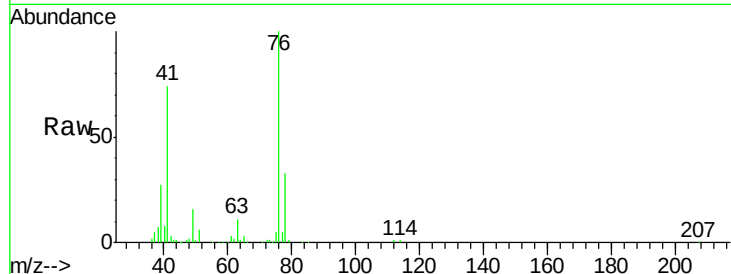
#57
 1,3-Dichloropropane
 Concen: 19.702 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Tot Ion: 76 Resp: 63878
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

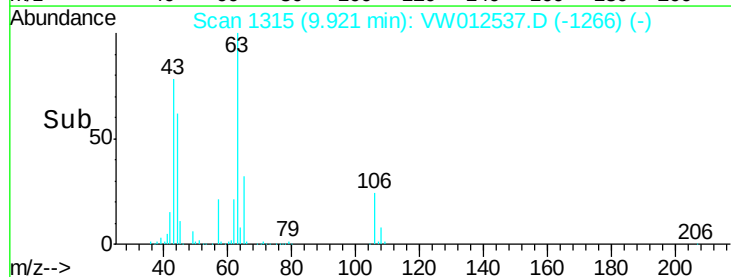
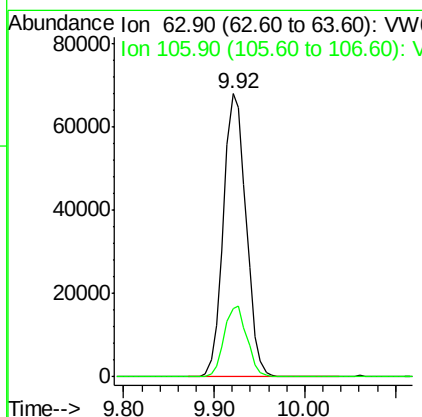
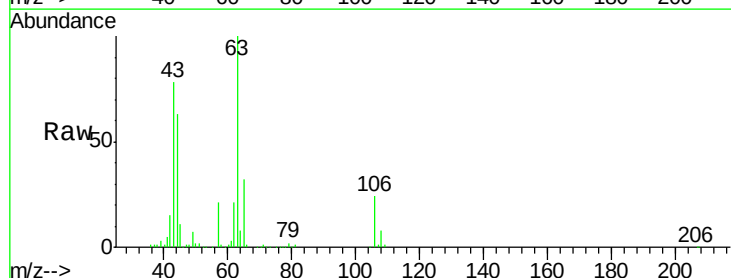
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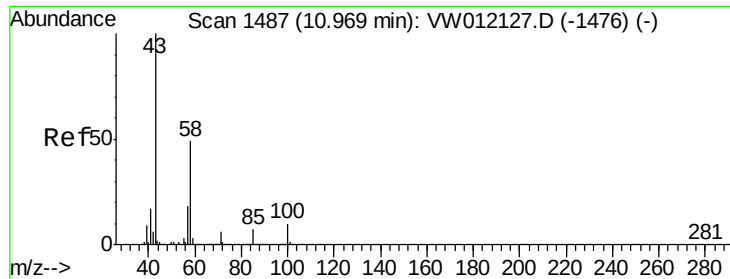
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.509 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion: 63 Resp: 118554
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





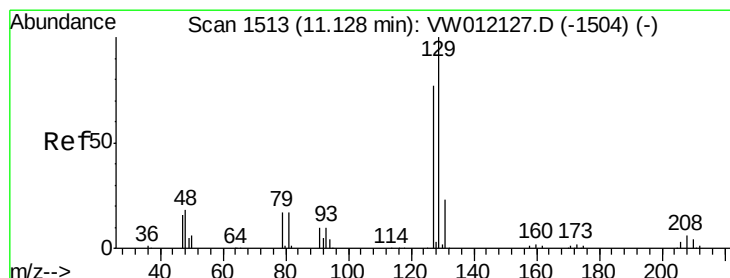
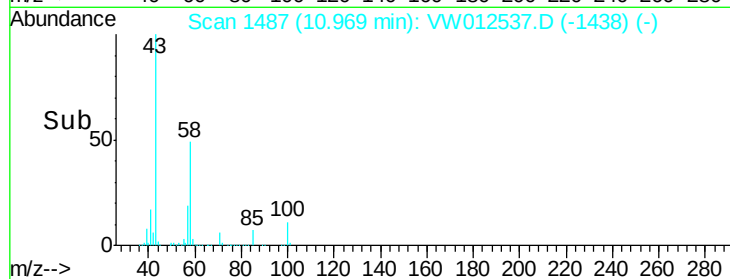
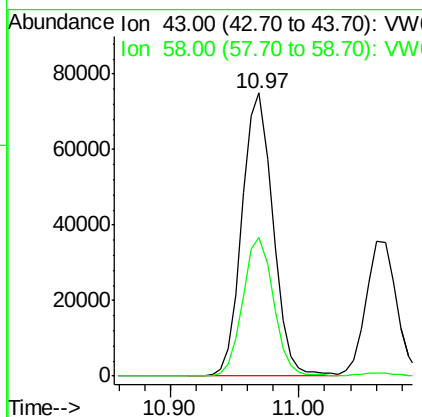
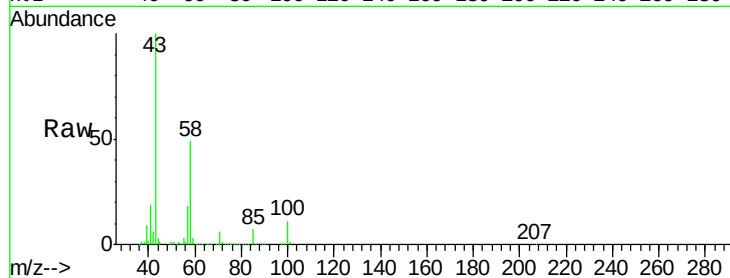
#59
2-Hexanone
Concen: 92.102 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion: 43 Resp: 124778
Ion Ratio Lower Upper
43 100
58 48.5 24.3 72.9

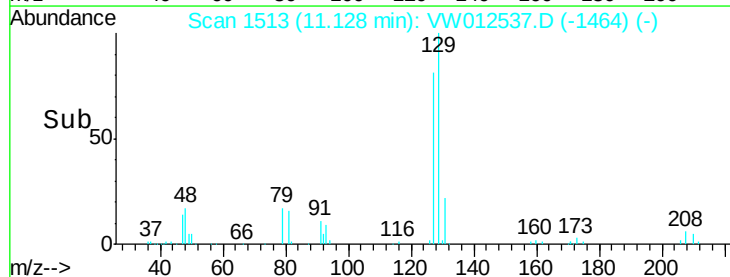
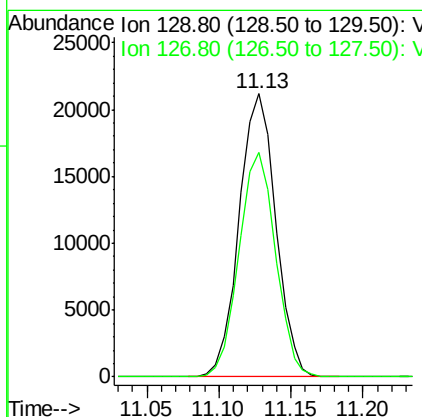
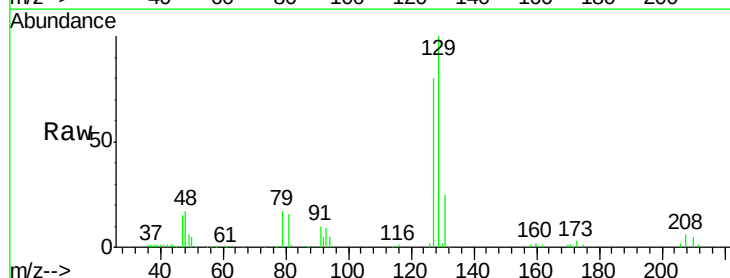
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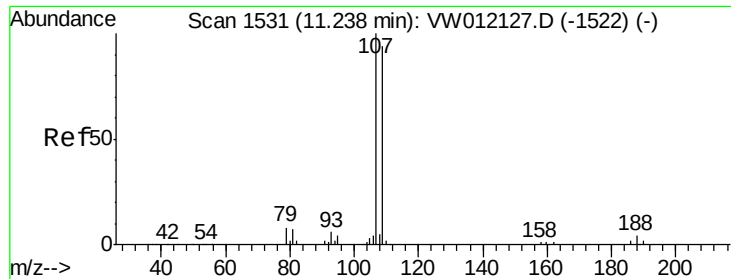
MMDadoda
9/4/2019 9:34:57 AM



#60
Dibromochloromethane
Concen: 19.602 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion: 129 Resp: 37459
Ion Ratio Lower Upper
129 100
127 79.1 38.6 115.8





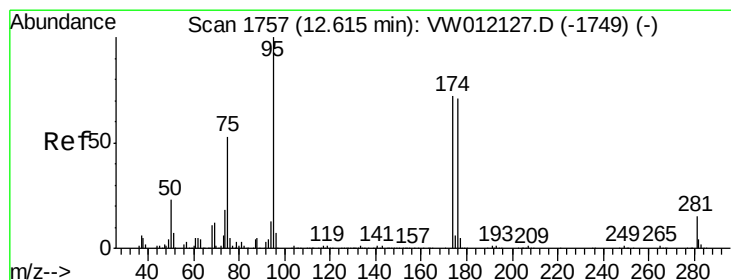
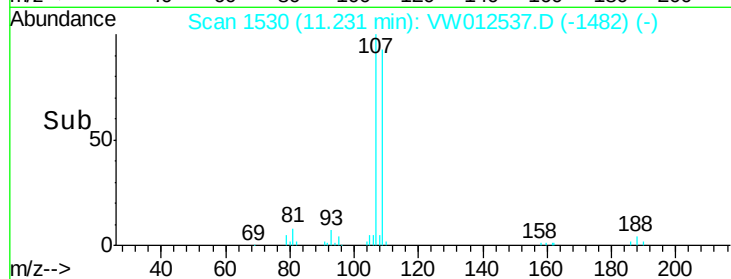
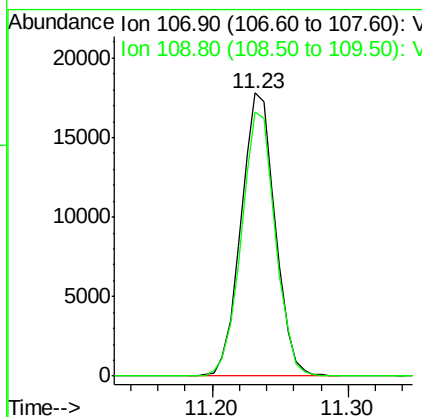
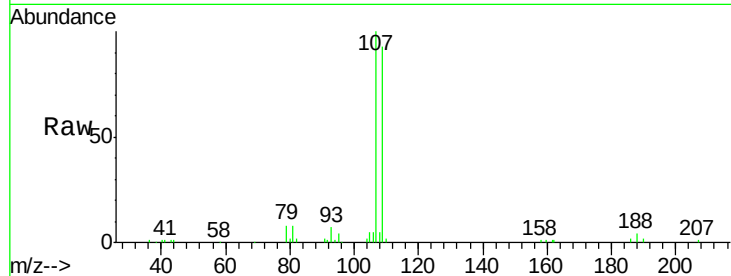
#61
 1,2-Dibromoethane
 Concen: 19.482 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.4	113.2

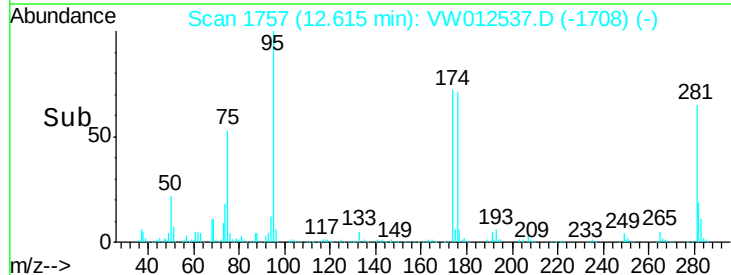
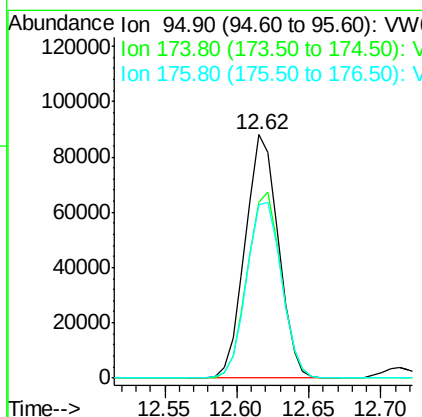
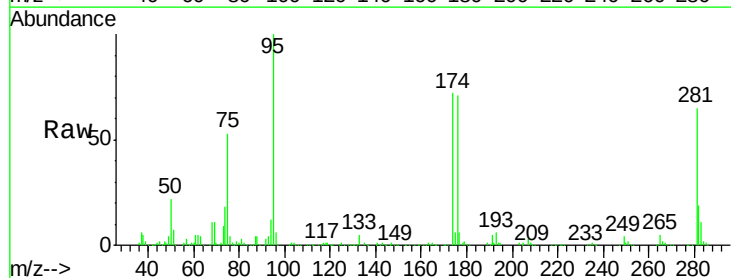
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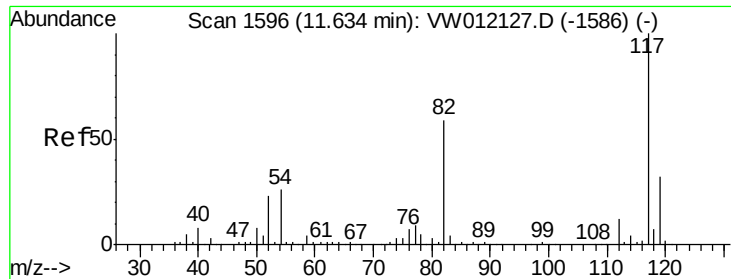
MMDadoda
 9/4/2019 9:34:57 AM



#62
 4-Bromofluorobenzene
 Concen: 45.889 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	150.8
176	75.9	0.0	148.6





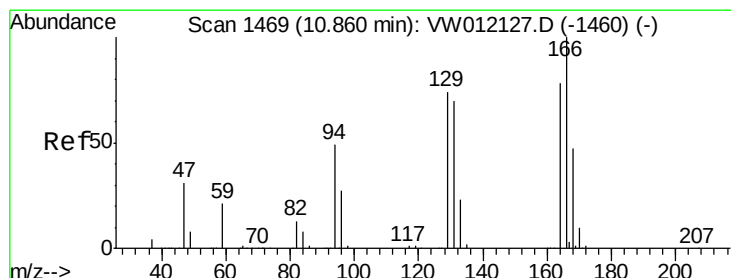
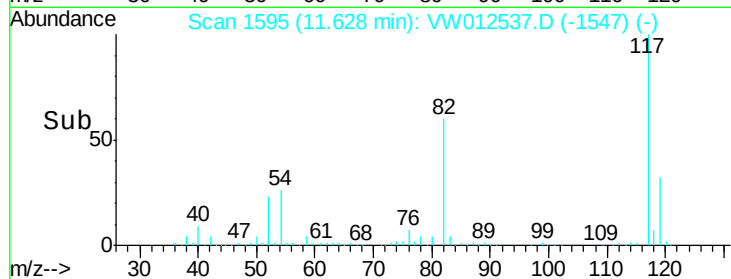
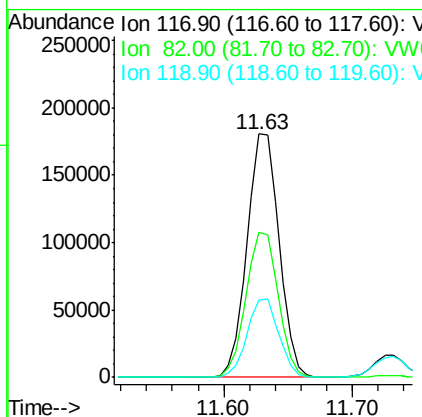
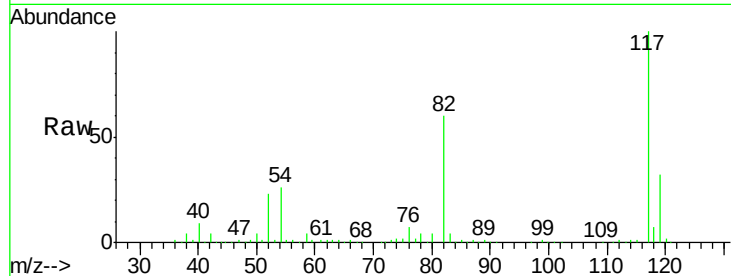
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	309229		
82	59.7		47.4	71.2
119	31.9		25.4	38.2

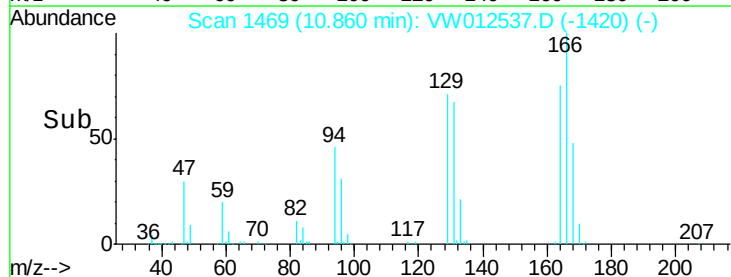
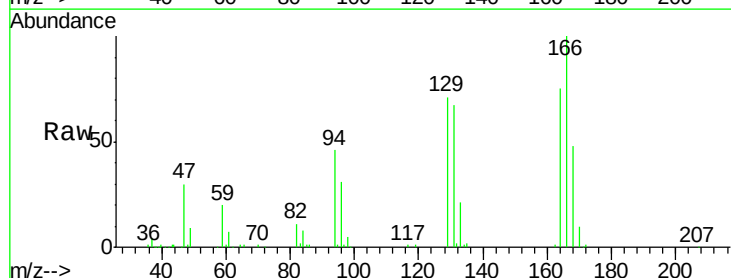
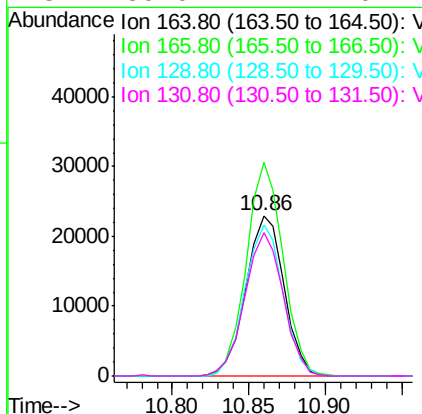
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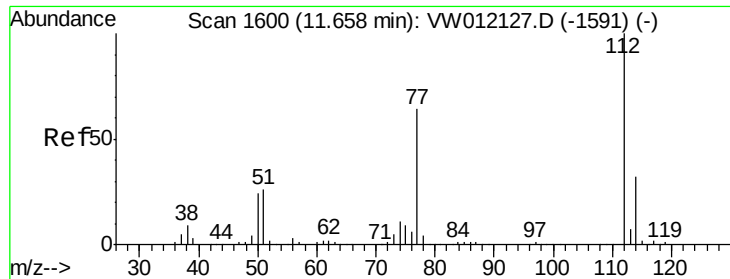
MMDadoda
9/4/2019 9:34:57 AM



#64
Tetrachloroethene
Concen: 19.901 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39897		
166	133.1		102.4	153.6
129	94.5		75.8	113.6
131	89.0		71.4	107.2





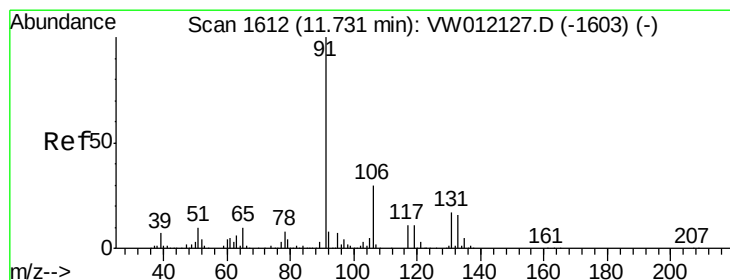
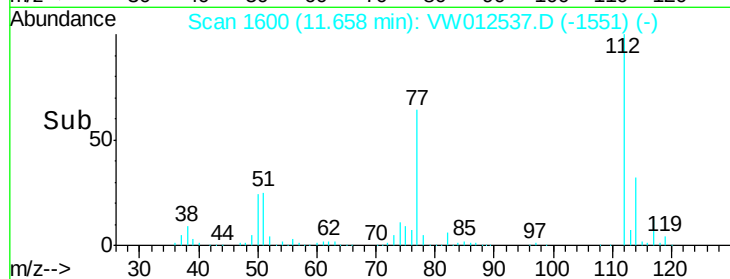
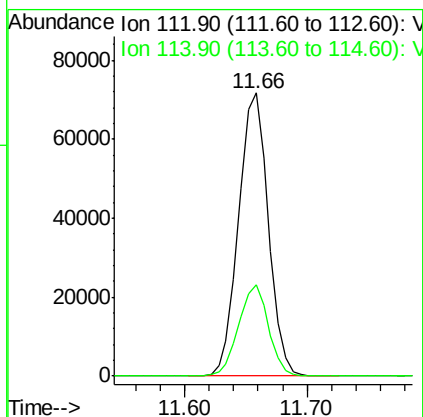
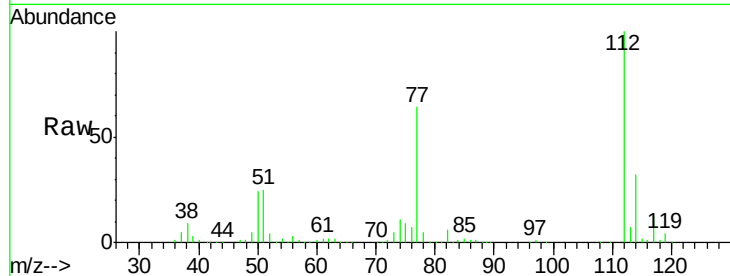
#65
Chlorobenzene
Concen: 19.832 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion:112 Resp: 120754
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

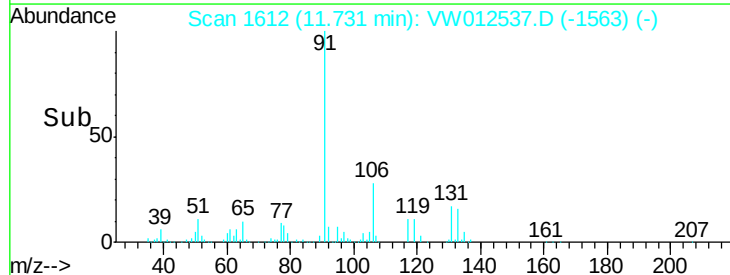
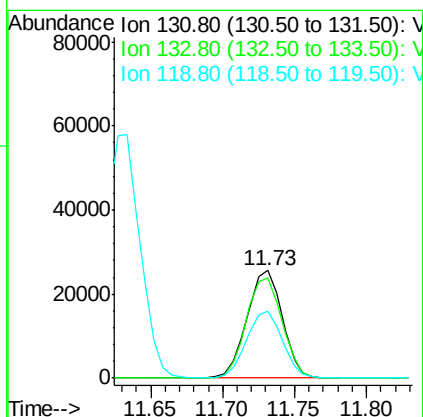
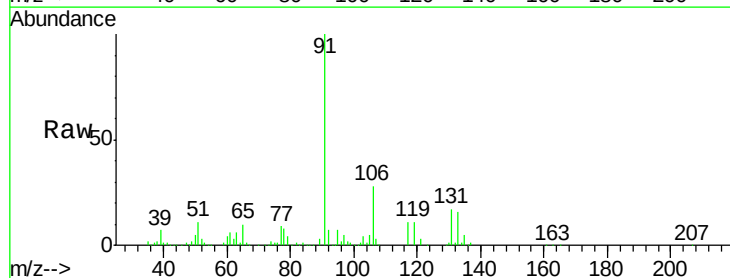
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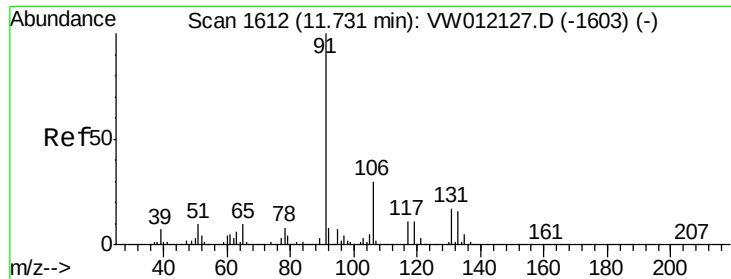
MMDadoda
9/4/2019 9:34:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.483 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion:131 Resp: 43511
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.3
119 62.9 31.8 95.3





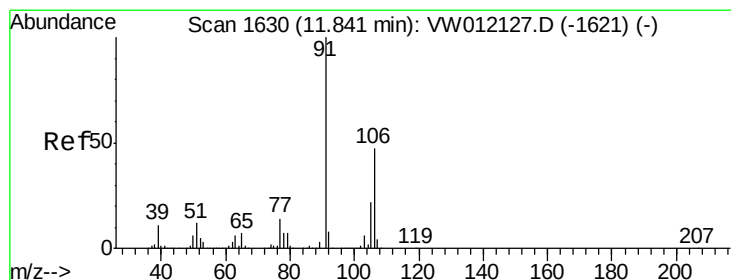
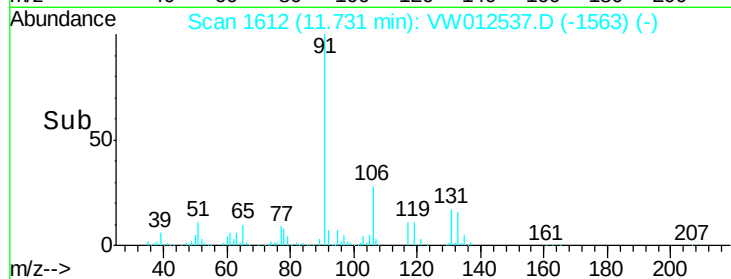
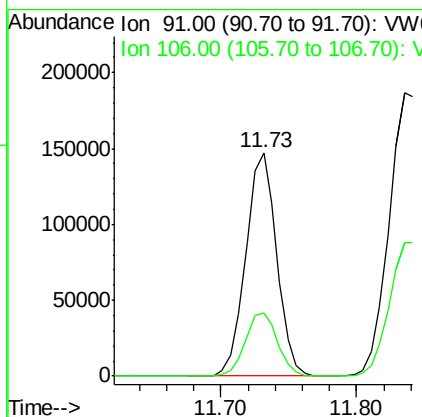
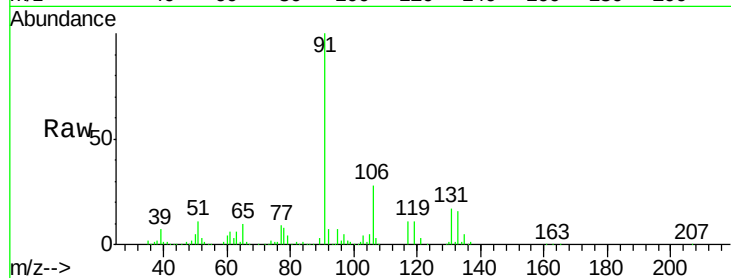
#67
Ethyl Benzene
Concen: 19.950 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	28.4	24.3	36.5

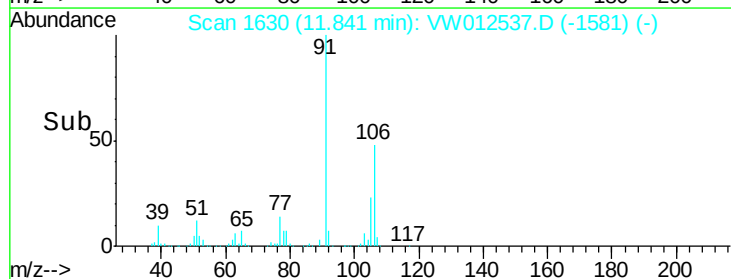
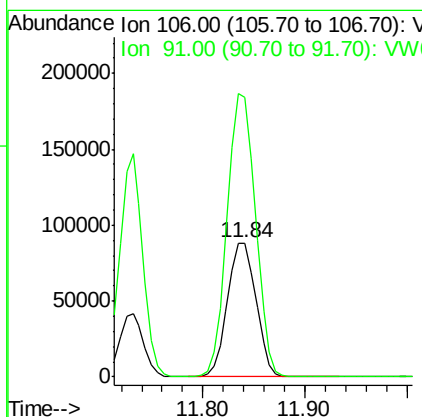
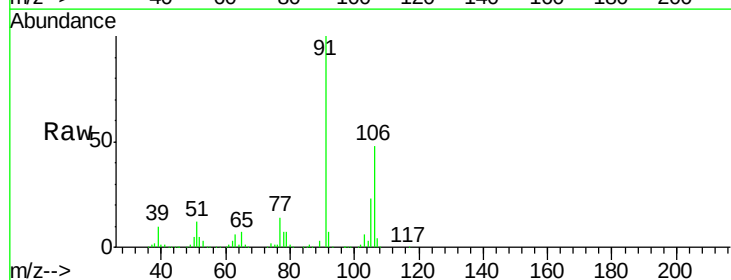
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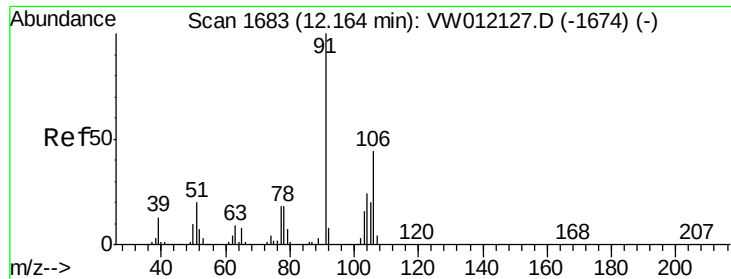
MMDadoda
9/4/2019 9:34:57 AM



#68
m/p-Xylenes
Concen: 40.541 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.9	169.5	254.3





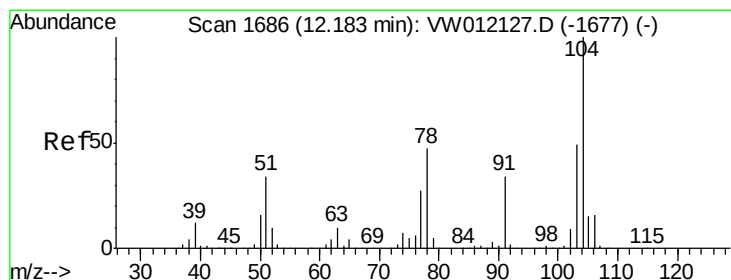
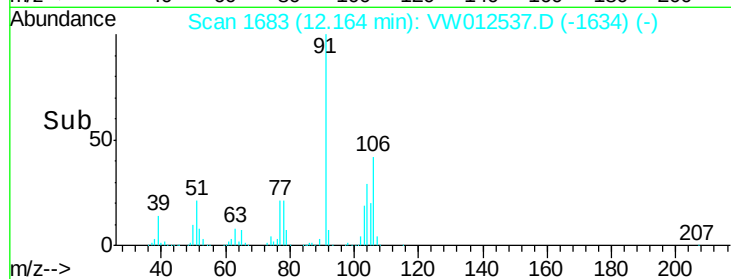
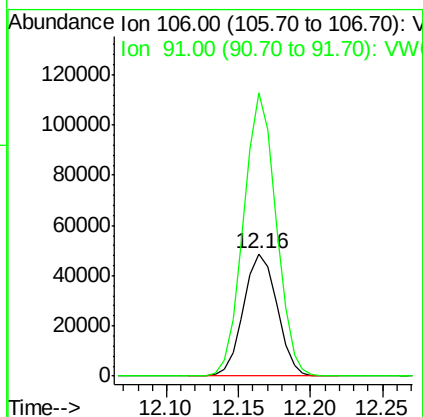
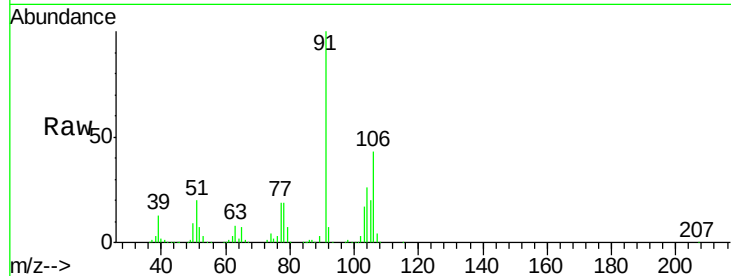
#69
o-Xylene
Concen: 20.188 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		78945		
91	223.7	111.6	334.6		

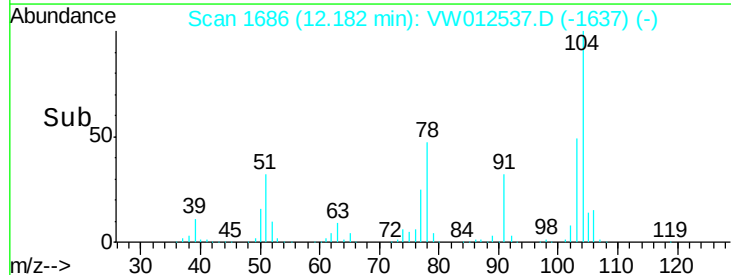
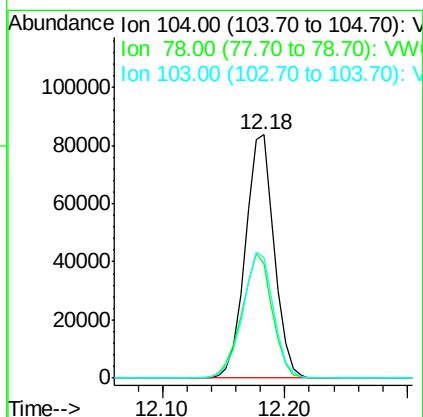
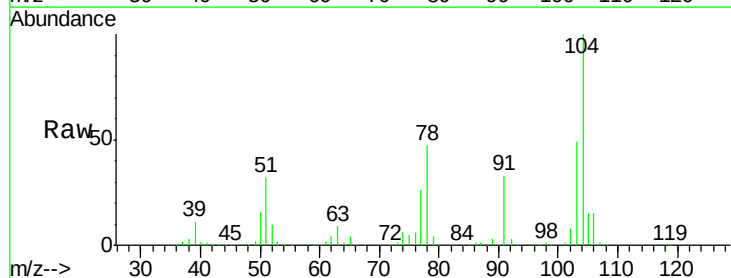
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APPROVED

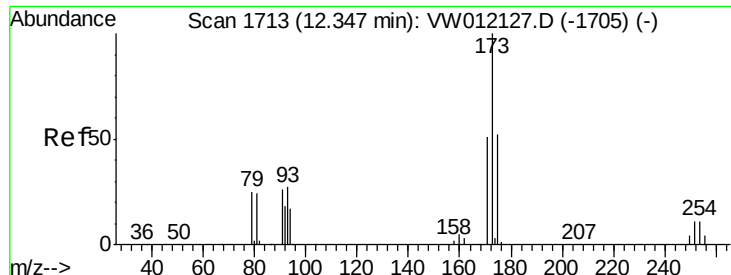
MMDadoda
9/4/2019 9:34:57 AM



#70
Styrene
Concen: 20.238 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		136981		
78	53.9	43.1	64.7		
103	55.0	43.5	65.3		





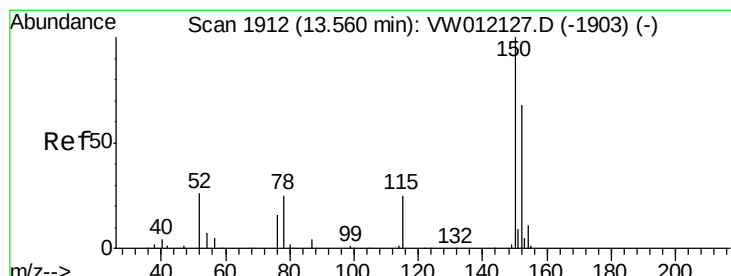
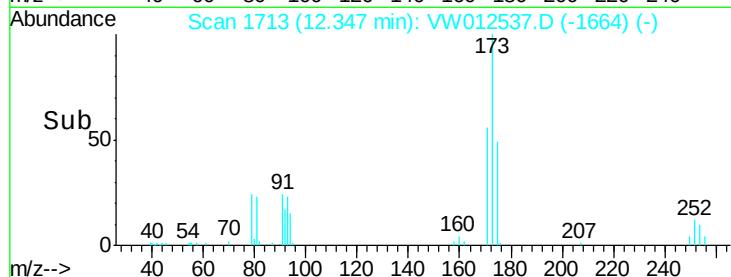
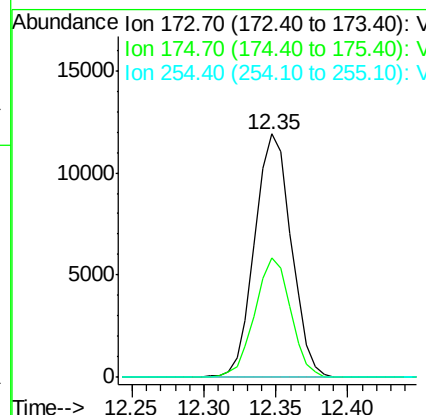
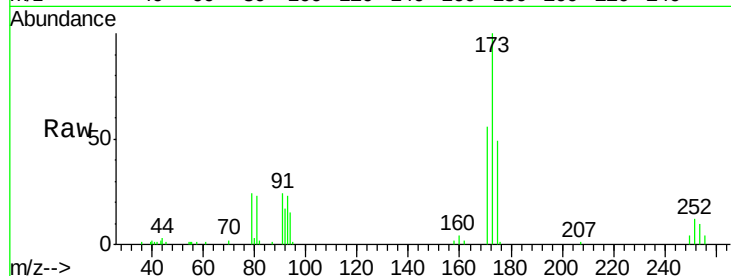
#71
Bromoform
Concen: 19.693 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.0	0.2	0.2

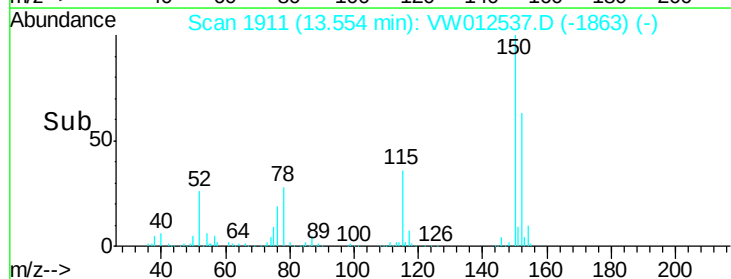
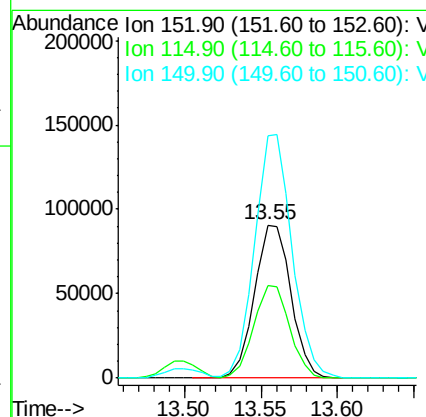
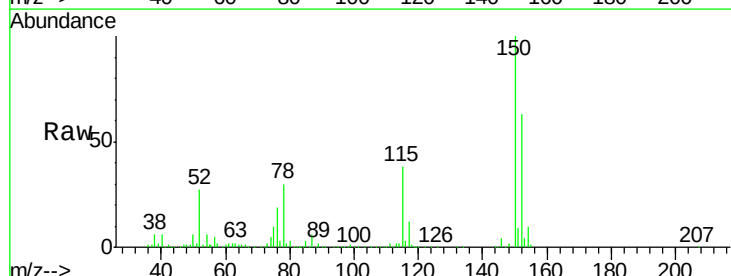
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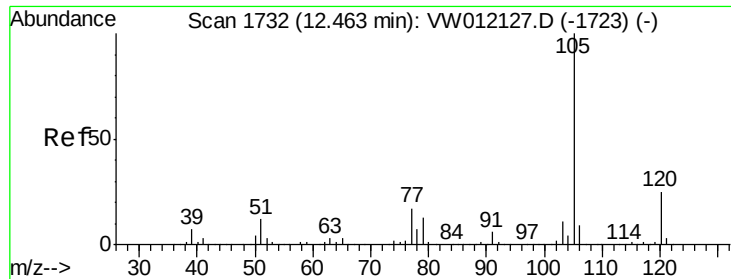
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.1	90.3
150	163.1	0.0	345.8





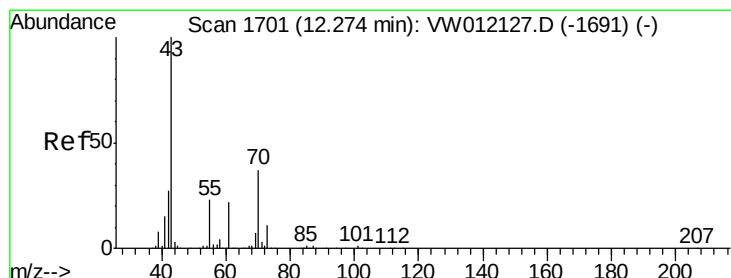
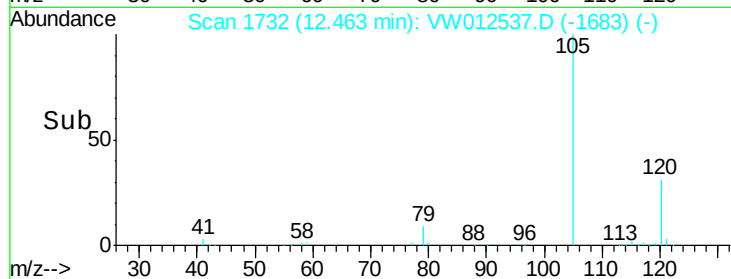
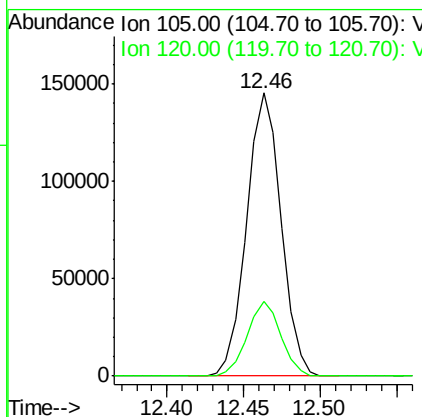
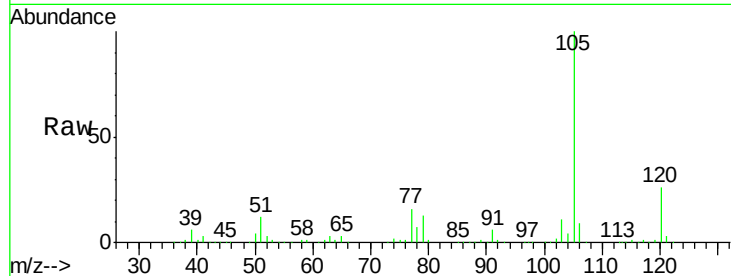
#73
Isopropylbenzene
Concen: 20.130 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.5	37.5

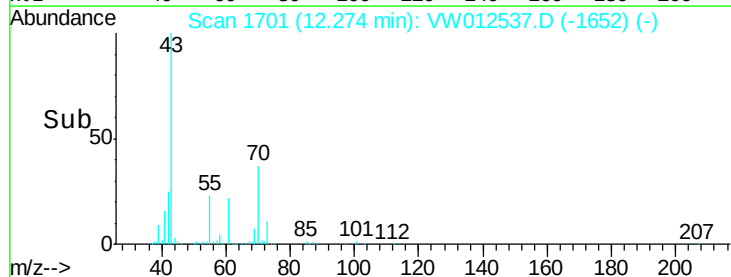
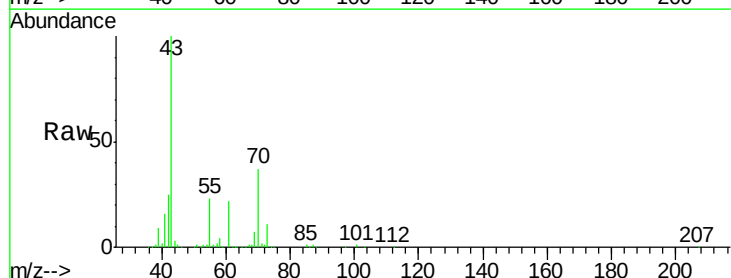
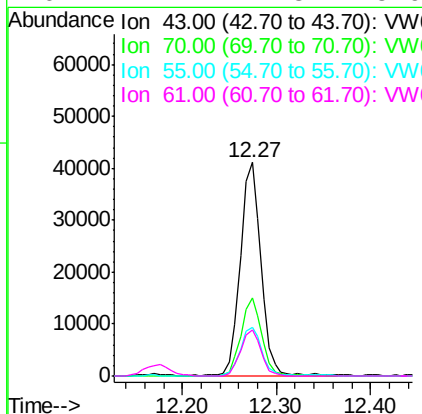
Manual Integrations
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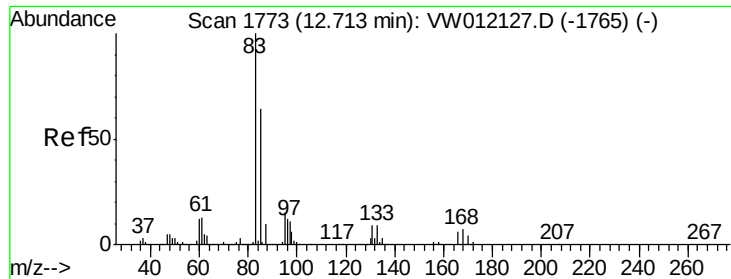
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#74
N-ethyl acetate
Concen: 18.466 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	28.6	43.0
55	23.5	17.8	26.6
61	21.4	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.562 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

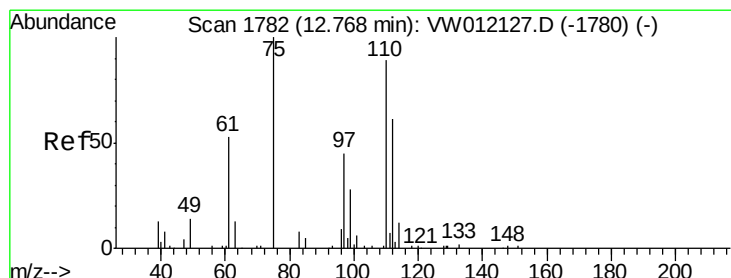
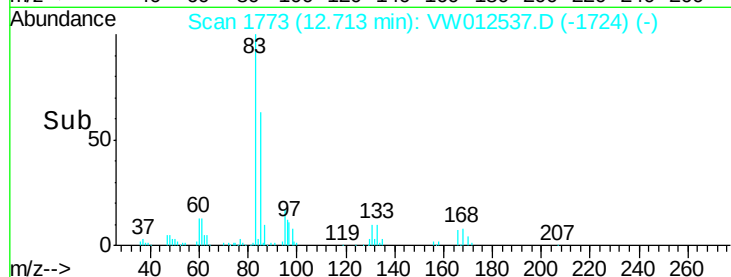
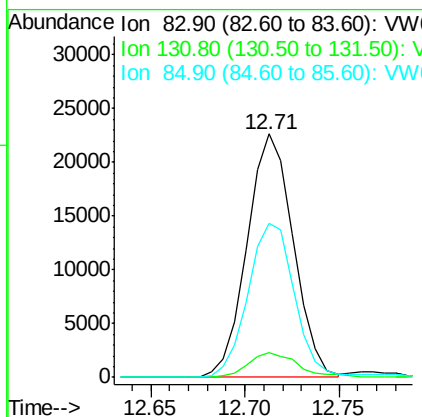
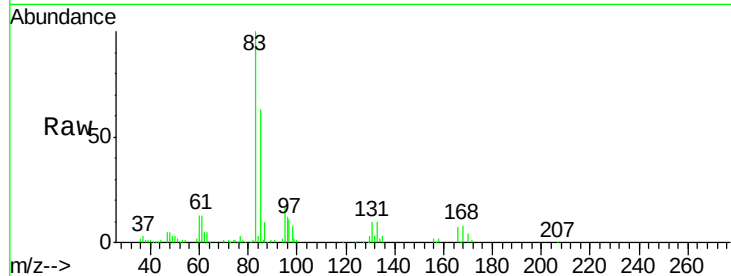
ClientSampleId :

VW0903SBS01

Tot Ion:	83	Resp:	38385
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.9	14.7
85	63.6	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 22.508 ug/l m

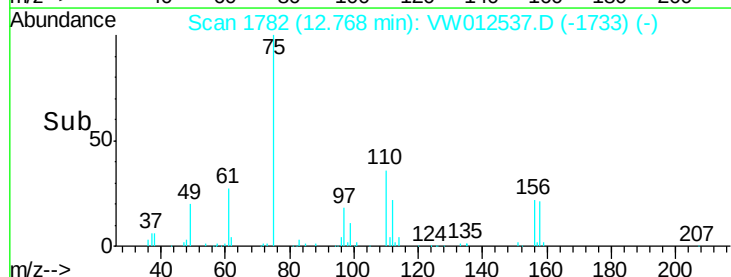
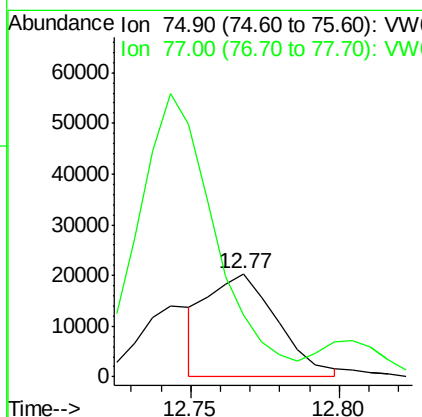
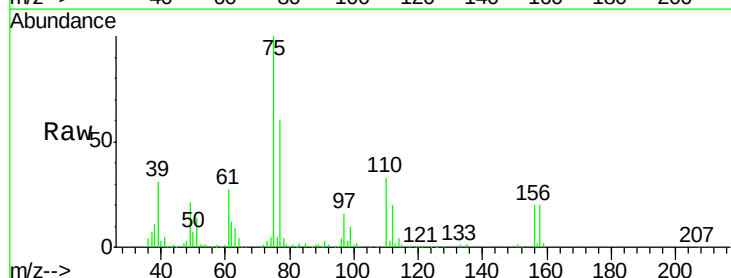
RT: 12.77 min Scan# 1782

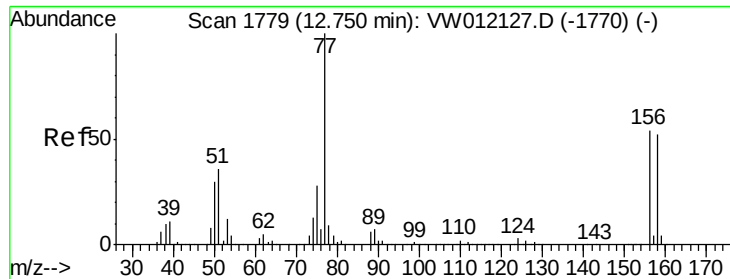
Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Tgt Ion:	75	Resp:	32999
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





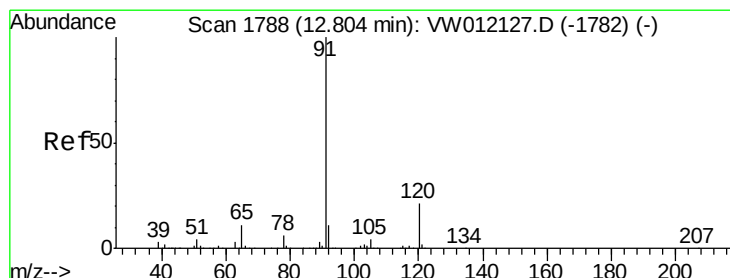
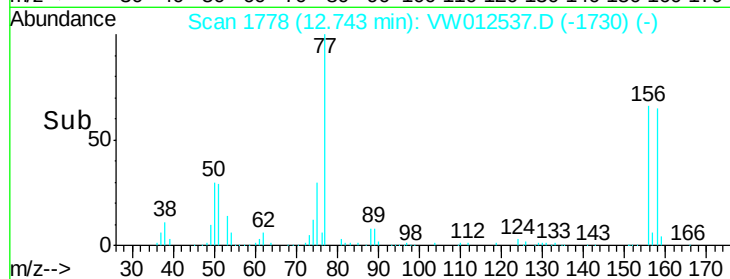
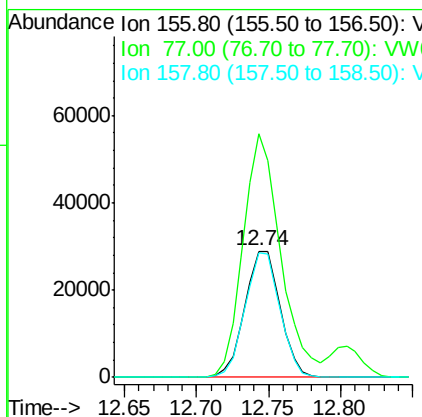
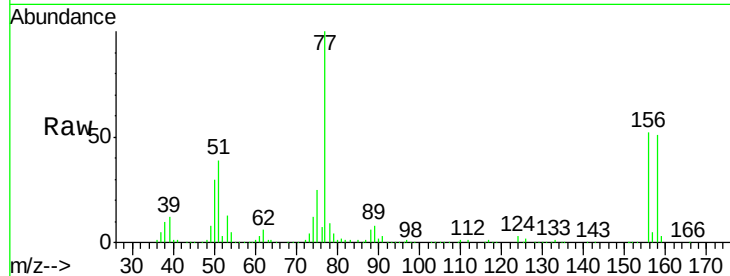
#77
Bromobenzene
Concen: 20.133 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	205.5	107.3	321.8	
158	97.5	49.0	147.0	

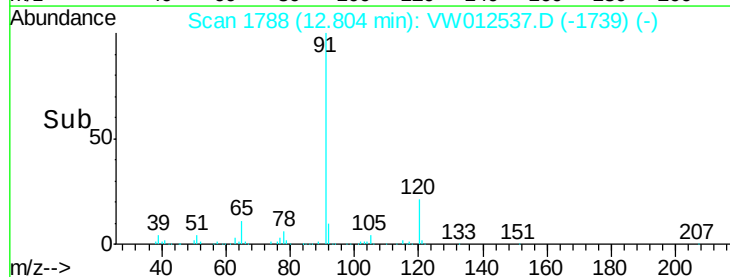
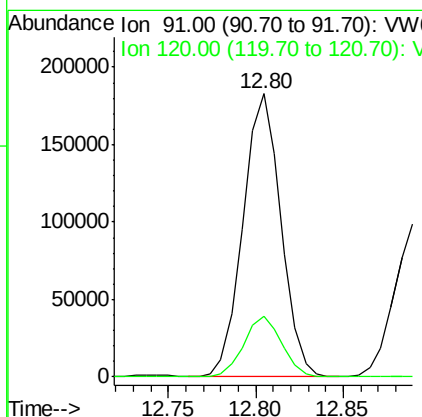
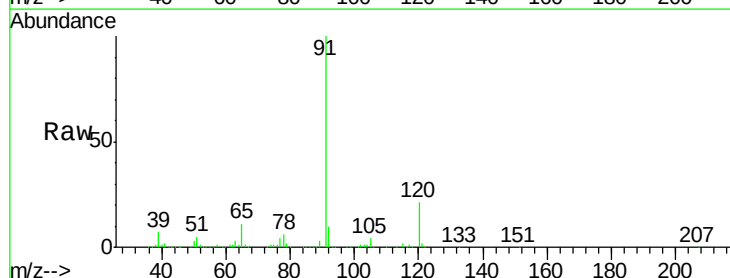
Manual Integrations
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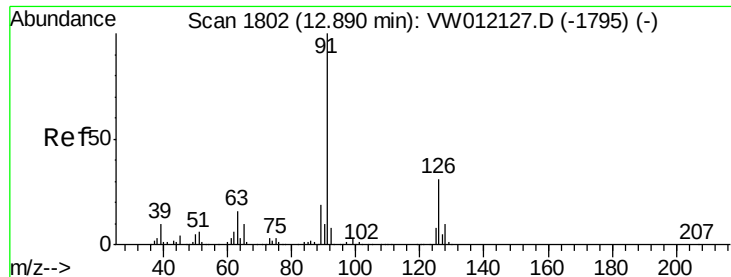
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#78
n-propylbenzene
Concen: 20.033 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.4	10.5	31.6	





#79

2-Chlorotoluene

Concen: 19.969 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion: 91 Resp: 156118

Ion Ratio Lower Upper

91 100

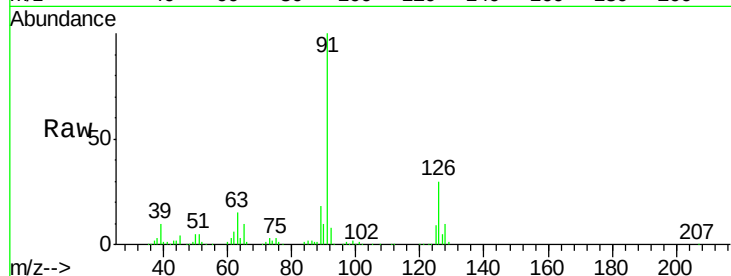
126 31.0 15.7 47.0

Manual Integrations

APPROVED

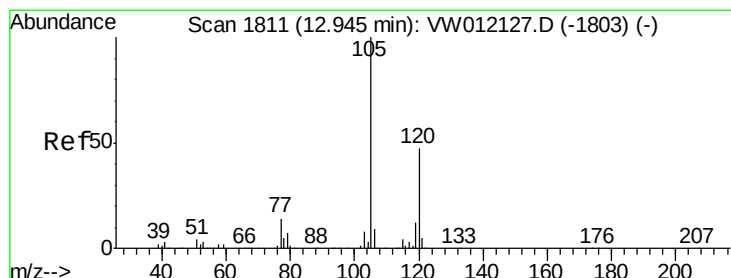
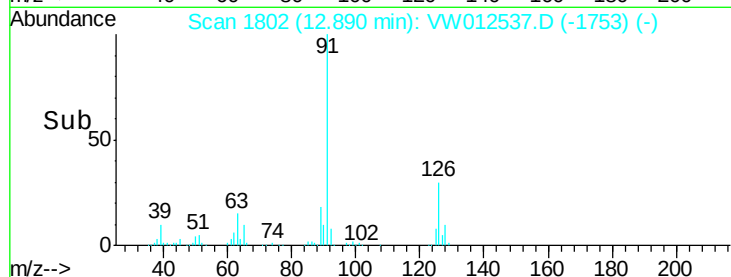
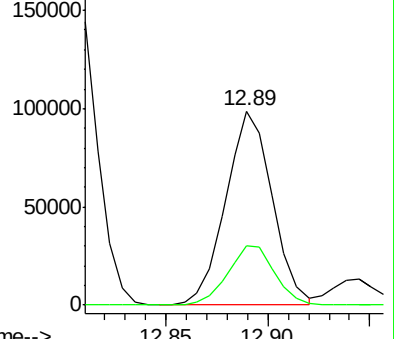
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.129 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012537.D

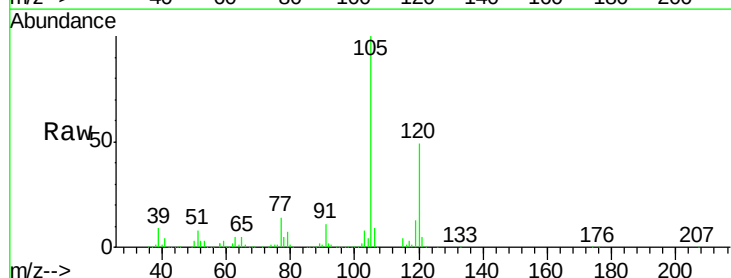
Acq: 03 Sep 2019 10:19

Tgt Ion:105 Resp: 189727

Ion Ratio Lower Upper

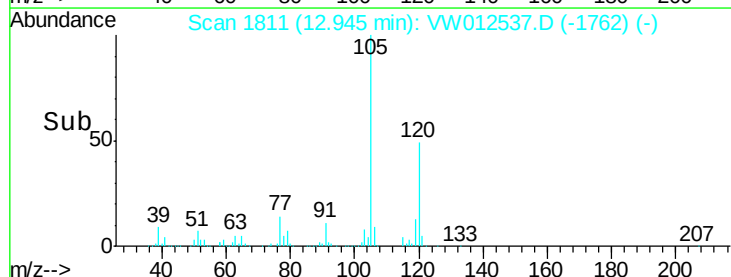
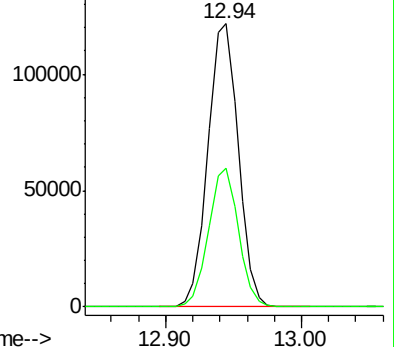
105 100

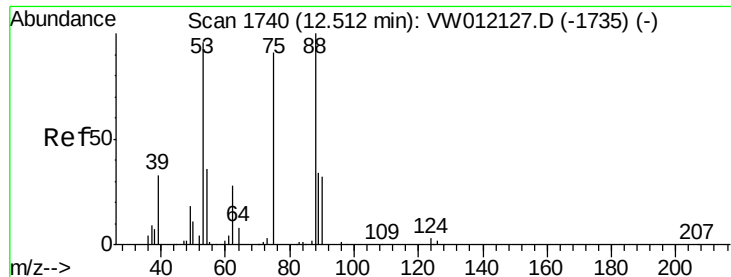
120 48.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





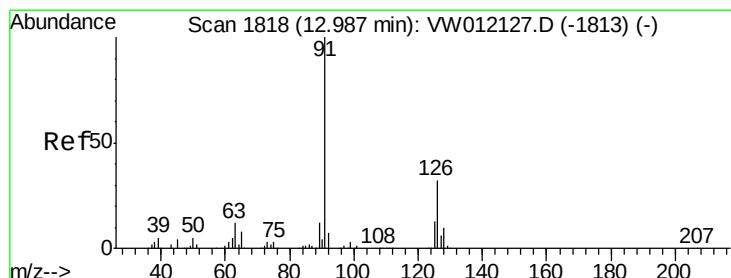
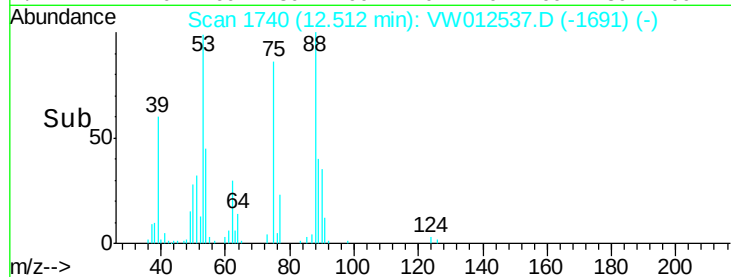
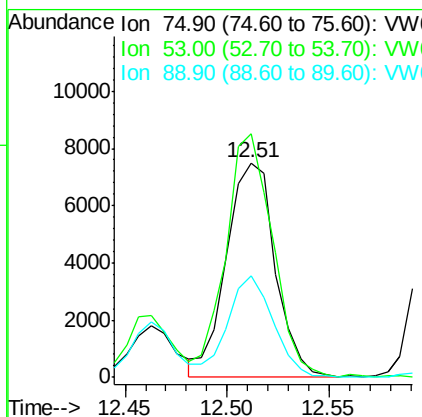
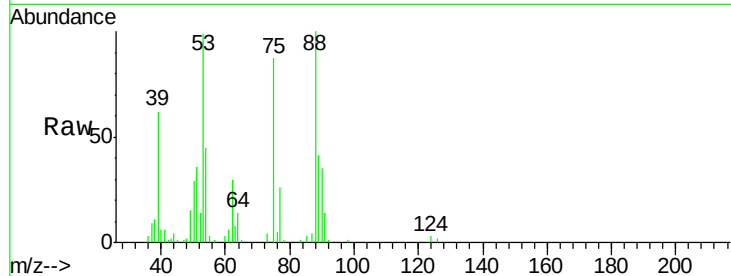
#81
trans-1,4-Dichloro-2-butene
Concen: 18.617 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.0	89.4	134.0
89	43.5	34.5	51.7

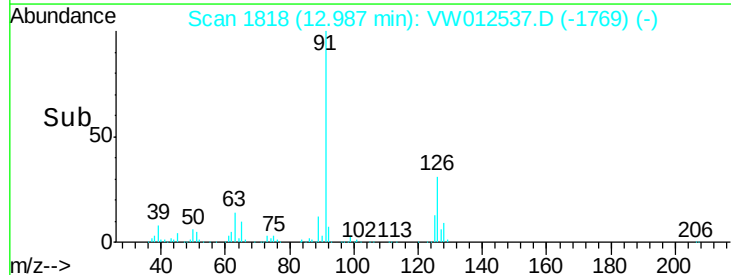
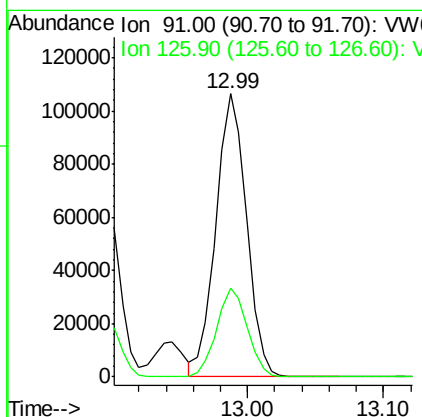
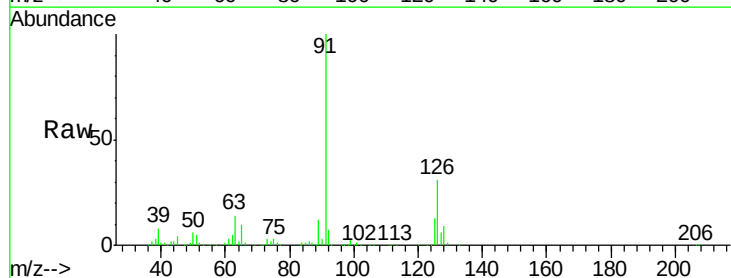
Manual Integrations
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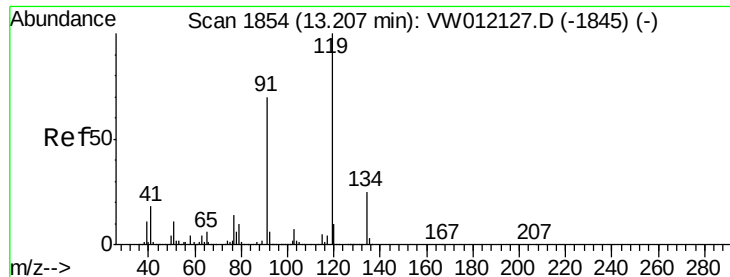
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#82
4-Chlorotoluene
Concen: 20.221 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





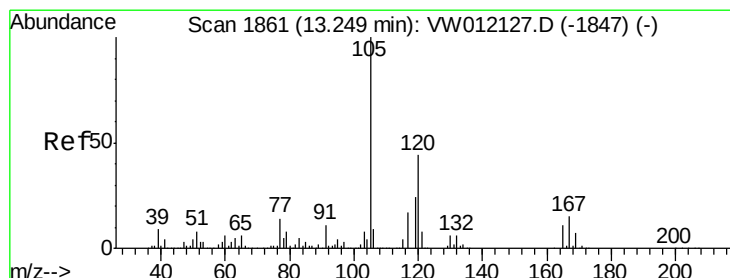
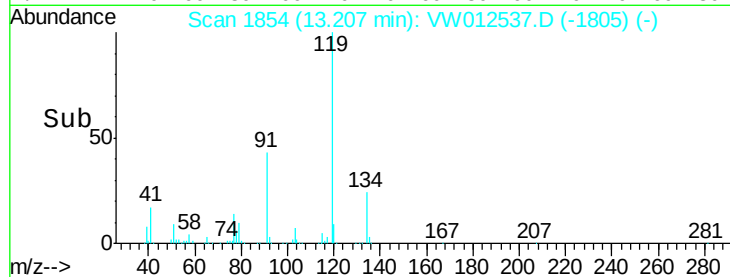
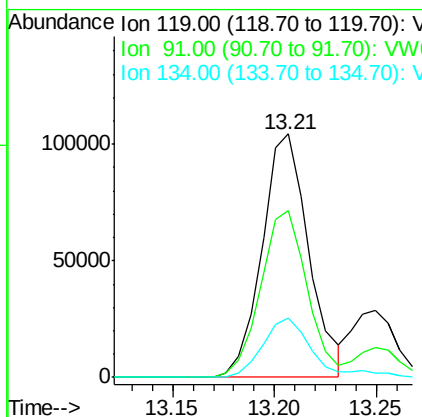
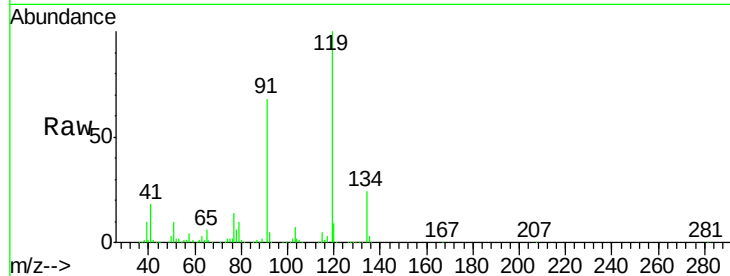
#83
 tert-Butylbenzene
 Concen: 20.860 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampled :
 VW0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166545		
91	68.2	34.8	104.3	
134	24.4	13.3	39.8	

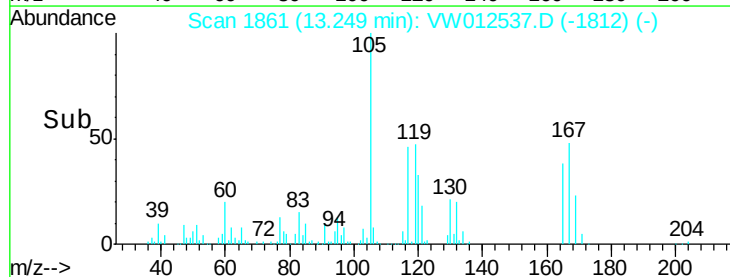
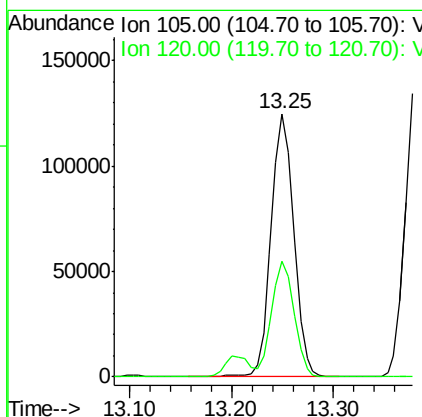
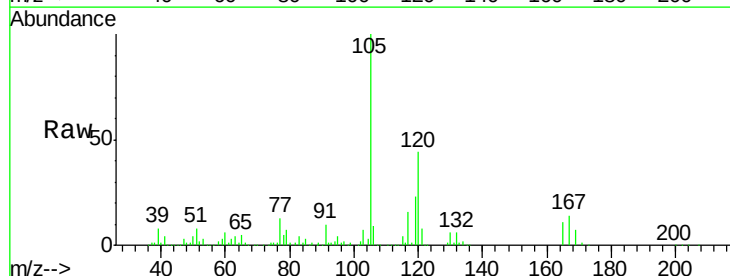
Manual Integrations
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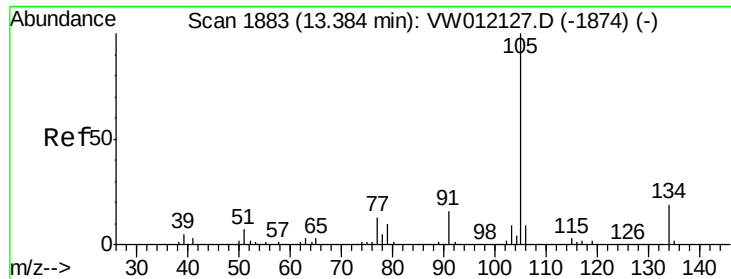
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.286 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192072		
120	43.2	21.9	65.7	





#85

sec-Butylbenzene

Concen: 20.306 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS01

Tot Ion:105 Resp: 232278

Ion Ratio Lower Upper

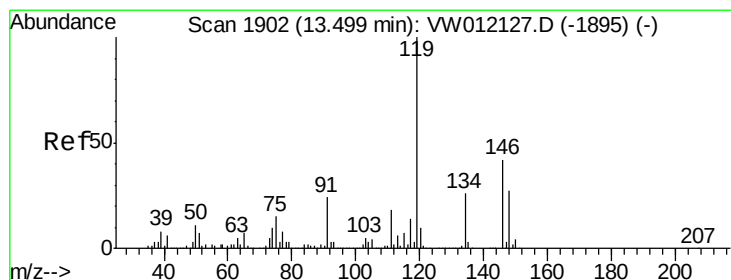
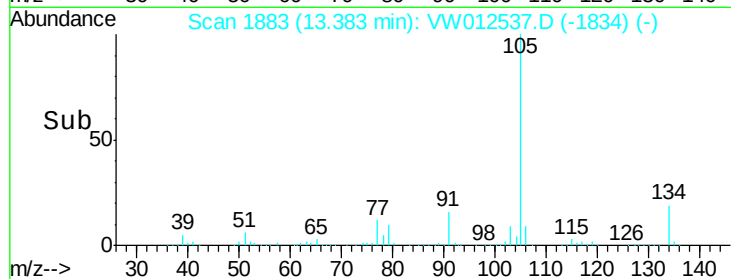
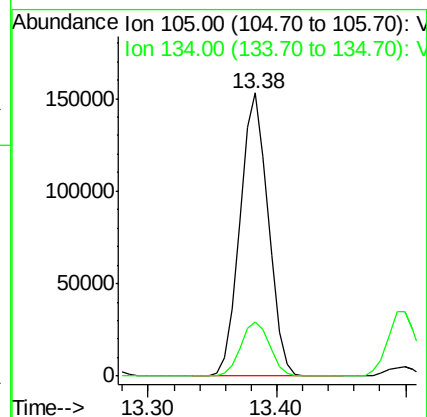
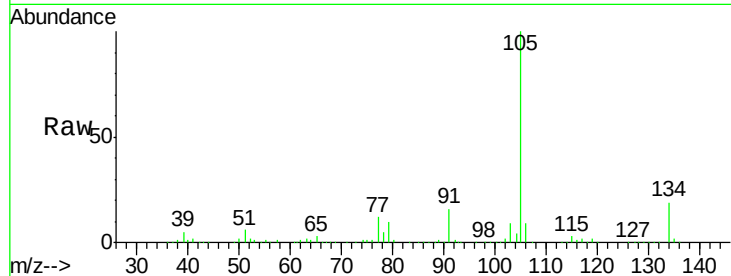
105 100

134 19.7 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 20.929 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

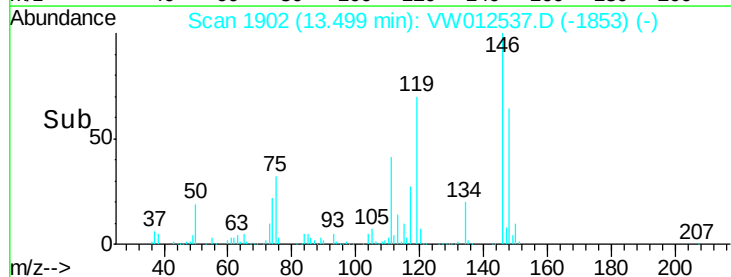
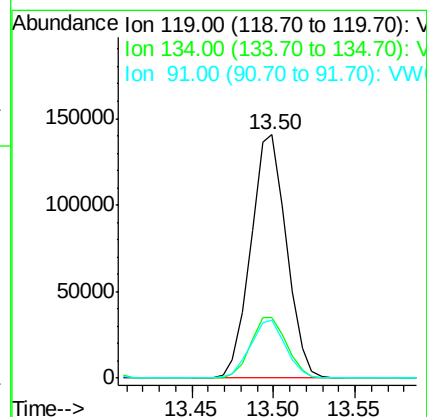
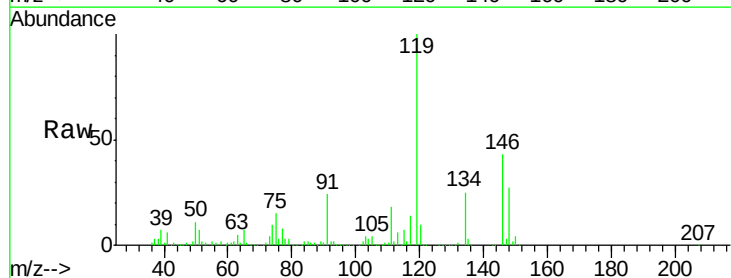
Tgt Ion:119 Resp: 213792

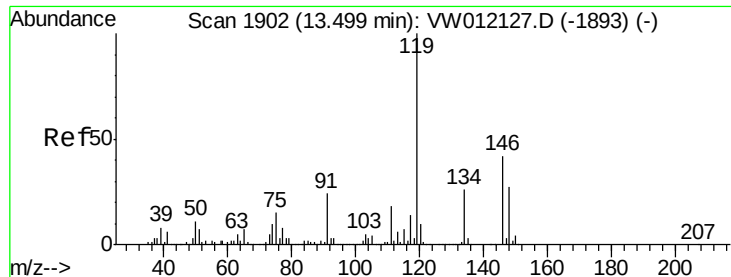
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 23.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.169 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

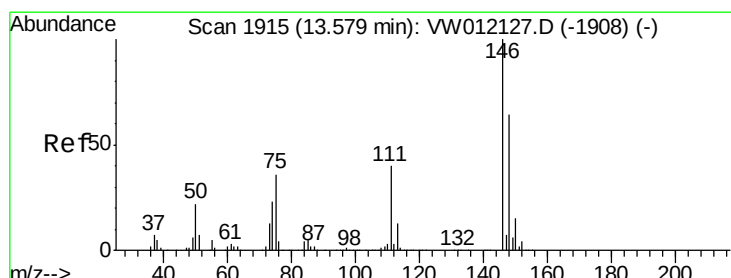
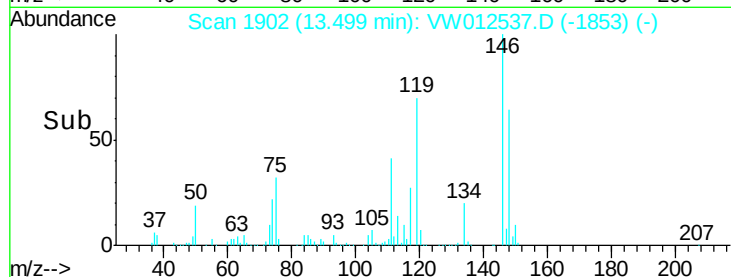
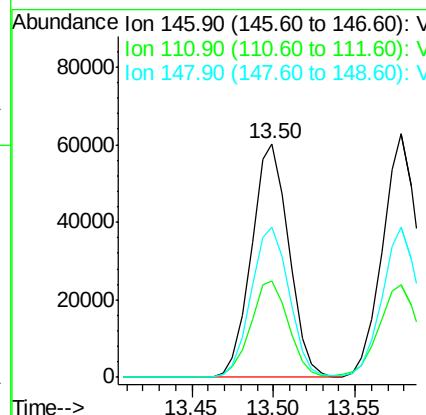
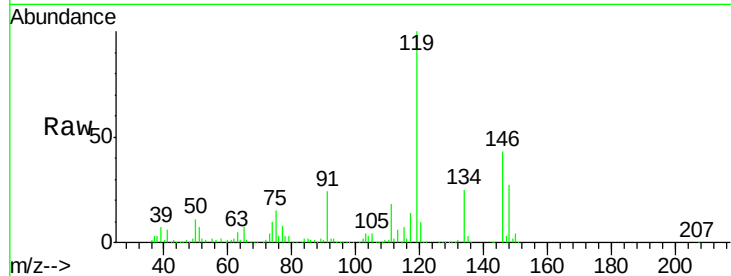
Instrument :
MSVOA_W

ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.7
148	65.3	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 20.374 ug/l

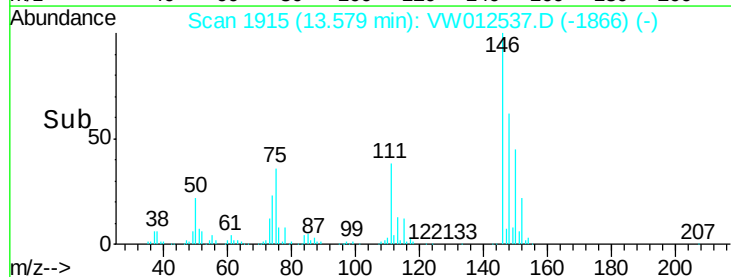
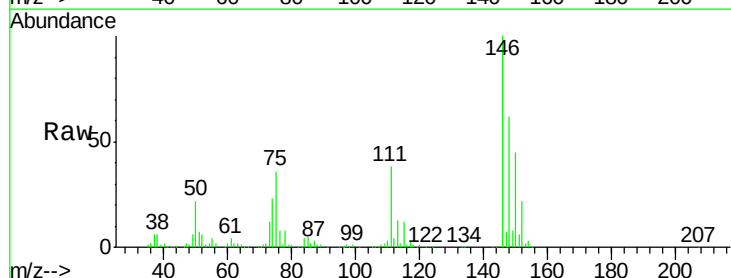
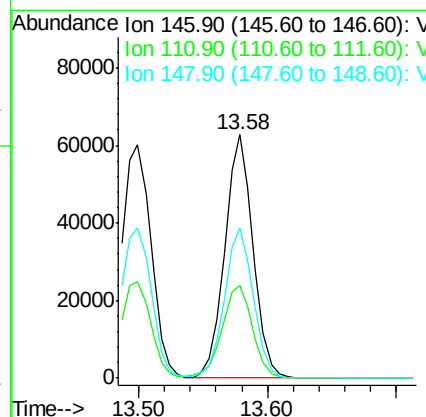
RT: 13.58 min Scan# 1915

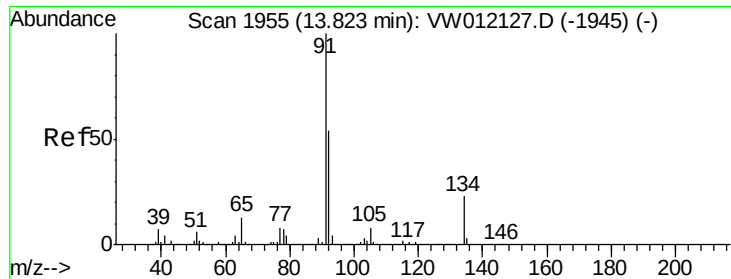
Delta R.T. -0.00 min

Lab File: VW012537.D

Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.0	60.0
148	63.1	32.1	96.3





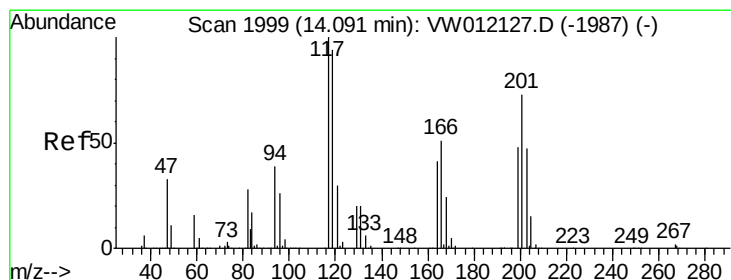
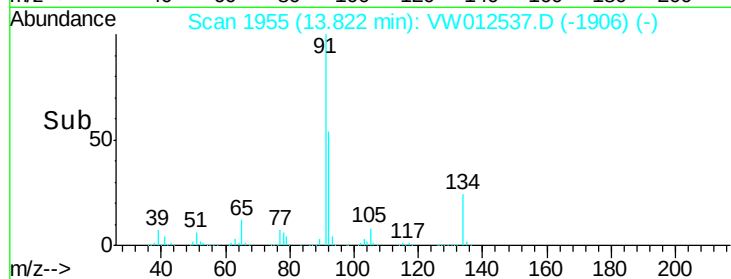
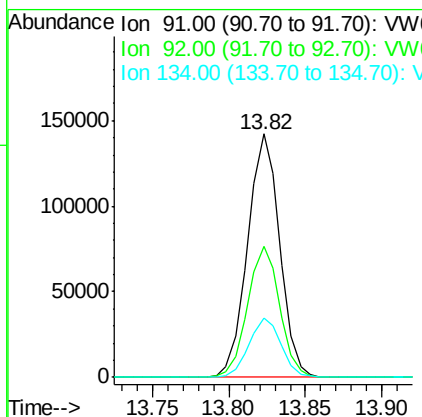
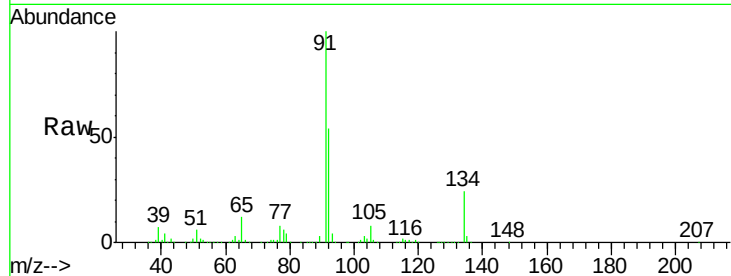
#89
n-Butylbenzene
Concen: 20.423 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	207469		
92	53.8		27.1	81.2
134	24.4		12.2	36.4

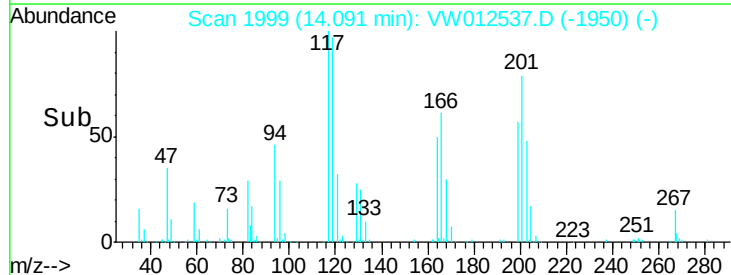
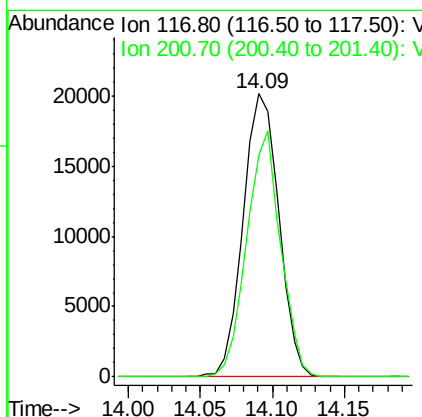
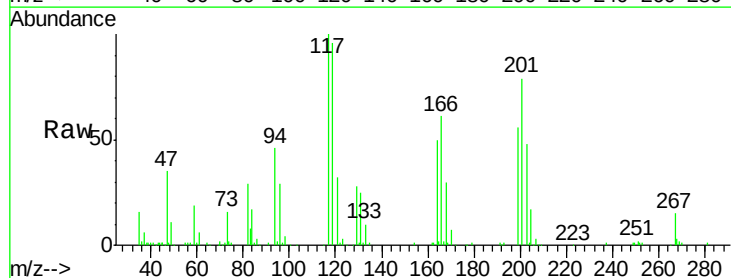
Manual Integrations
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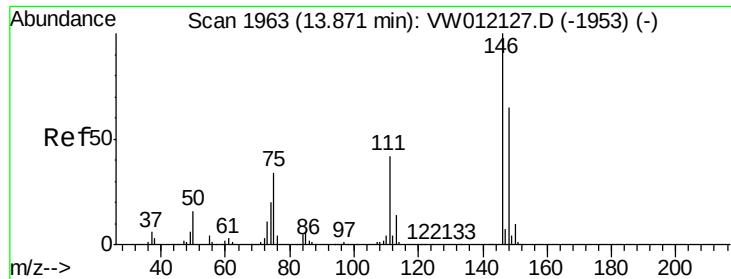
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#90
Hexachloroethane
Concen: 19.353 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34686		
201	82.0		38.6	115.7





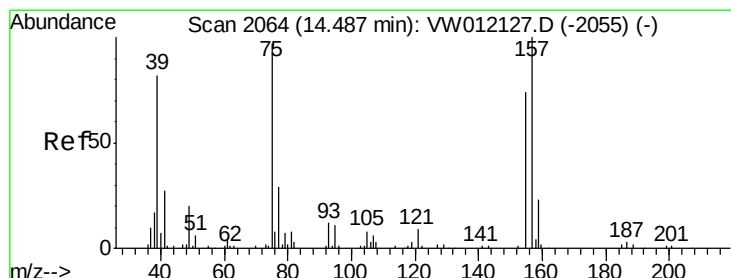
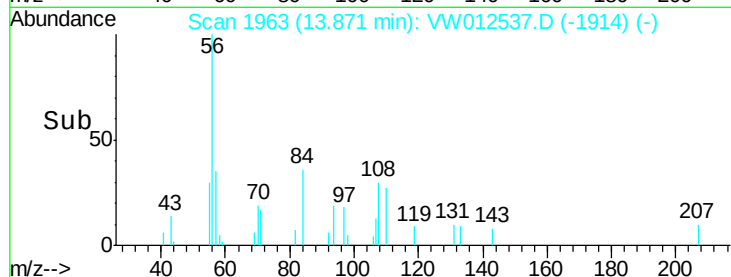
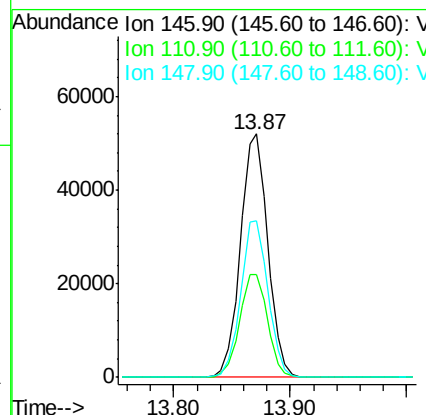
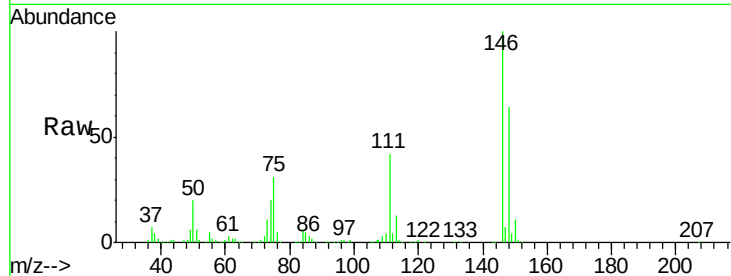
#91
 1,2-Dichlorobenzene
 Concen: 20.318 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	64.0	32.5	97.4

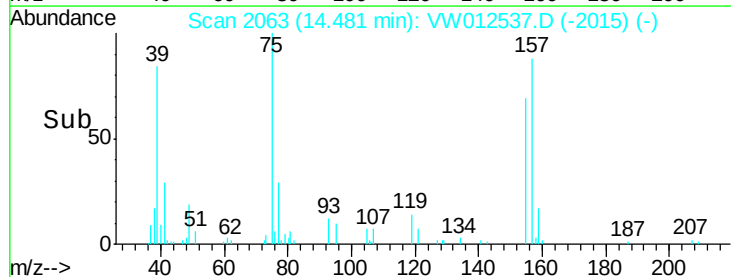
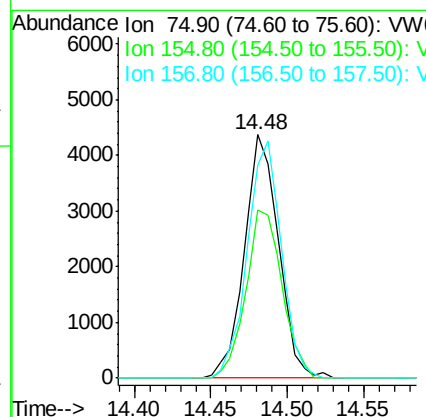
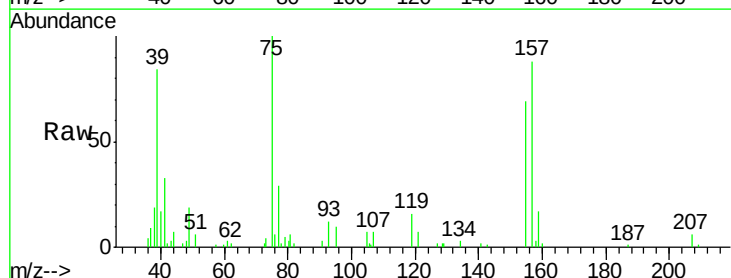
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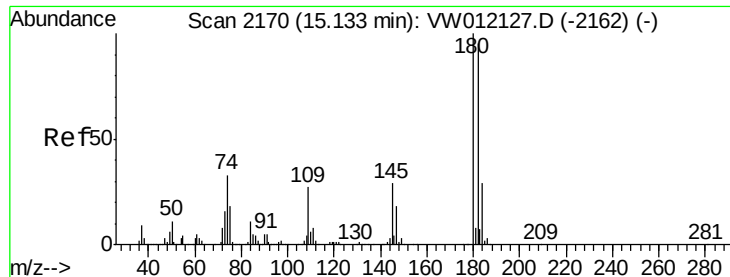
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.402 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012537.D
 Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	37.5	112.3
157	97.7	50.5	151.5





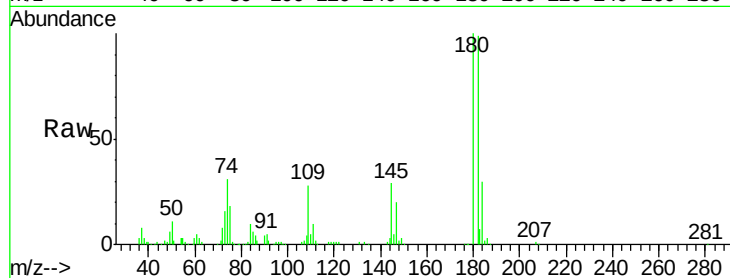
#93
1,2,4-Trichlorobenzene
Concen: 20.824 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

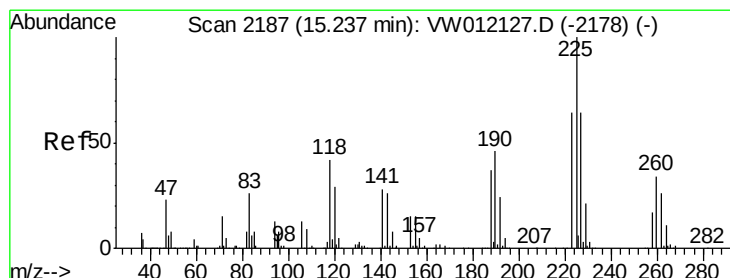
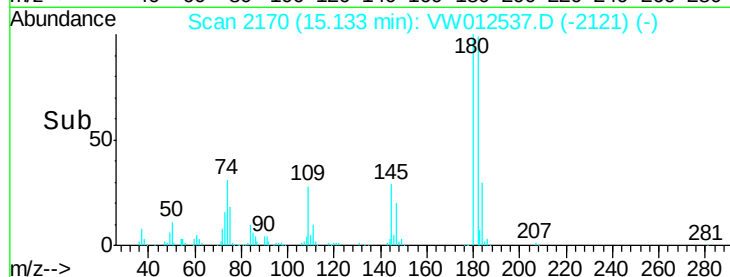
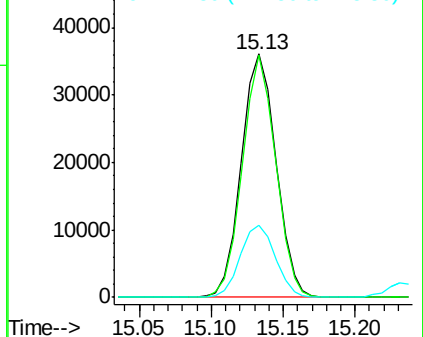
Tot Ion	Ratio	Resp	Lower	Upper
180	100	60258		
182	95.1	47.8	143.4	
145	30.1	15.0	45.1	

Manual Integrations
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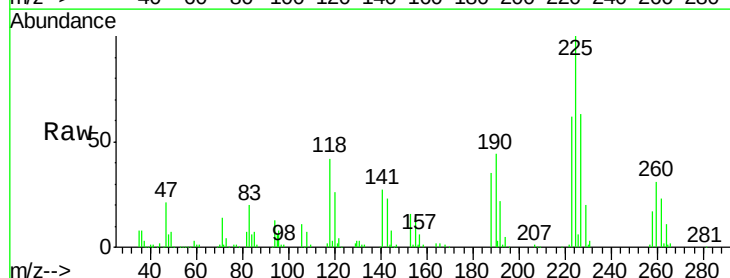


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

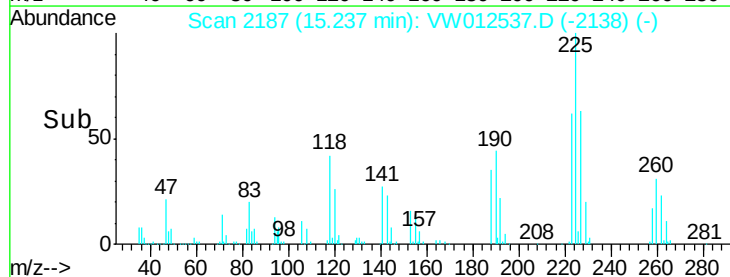
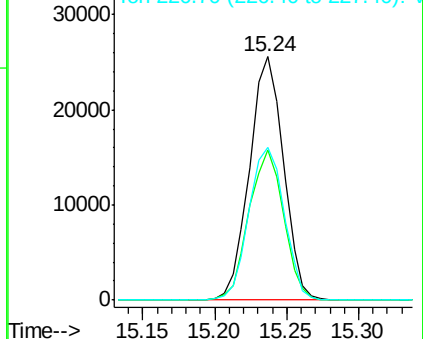


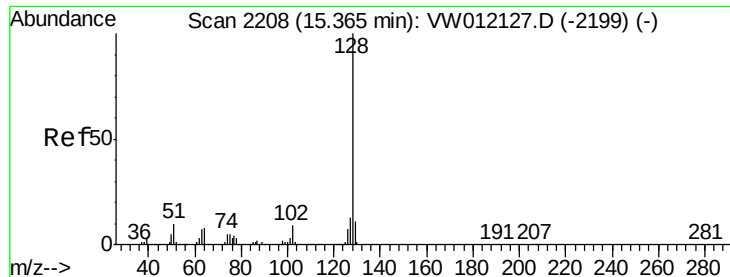
#94
Hexachlorobutadiene
Concen: 21.877 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41799		
223	62.7	32.3	96.8	
227	65.2	32.9	98.6	



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





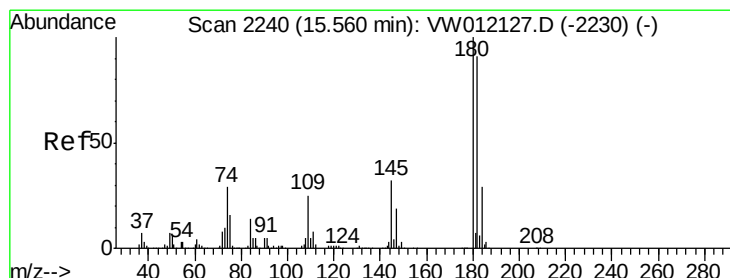
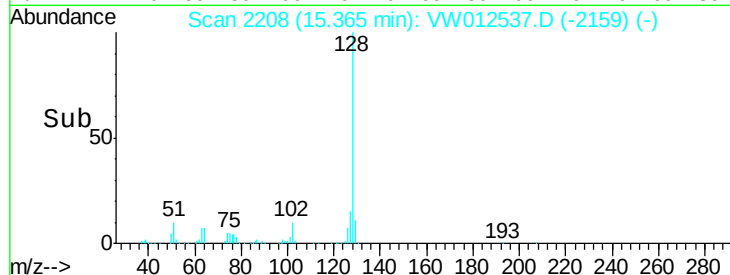
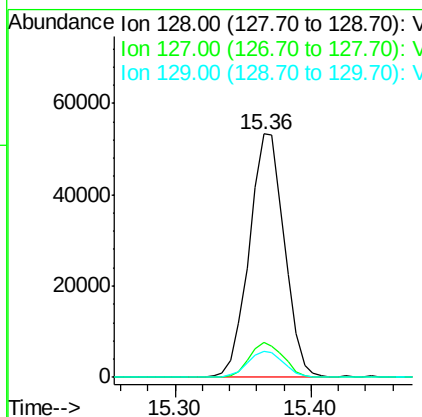
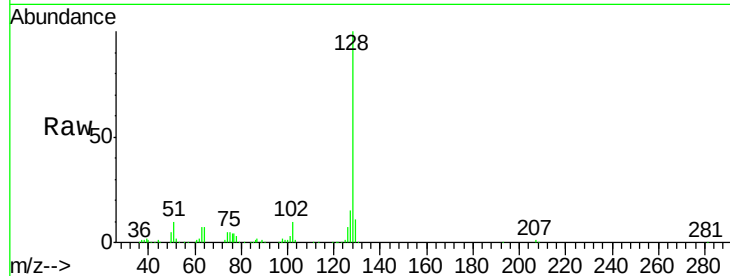
#95
Naphthalene
Concen: 19.891 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/4/2019 9:34:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.529 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012537.D
Acq: 03 Sep 2019 10:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.3
145	31.3	16.2	48.5

