

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012467.D
 Acq On : 02 Sep 2019 00:40
 Operator : SY/VA
 Sample : VW0901SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:54 AM

Quant Time: Sep 02 08:26:44 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	179400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	286460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	244349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123370	57.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.70%	
35) Dibromofluoromethane	7.88	113	94789	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
50) Toluene-d8	10.32	98	375024	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
62) 4-Bromofluorobenzene	12.62	95	135515	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	17991	16.287	ug/l	98
3) Chloromethane	2.21	50	35122	20.522	ug/l	99
4) Vinyl Chloride	2.36	62	41368	19.749	ug/l	93
5) Bromomethane	2.75	94	22493	21.203	ug/l	99
6) Chloroethane	2.92	64	24390	20.641	ug/l	95
7) Trichlorofluoromethane	3.25	101	22576	21.464	ug/l	92
8) Diethyl Ether	3.68	74	19986	20.019	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36878	20.627	ug/l	97
10) Methyl Iodide	4.27	142	47340	19.570	ug/l	97
11) Tert butyl alcohol	5.15	59	16081	125.300	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	34977	19.437	ug/l	94
13) Acrolein	3.89	56	9598	79.447	ug/l	96
14) Allyl chloride	4.67	41	76694	19.936	ug/l	99
15) Acrylonitrile	5.37	53	55550	112.257	ug/l	98
16) Acetone	4.11	43	51756	94.940	ug/l	98
17) Carbon Disulfide	4.38	76	89578	16.472	ug/l	100
18) Methyl Acetate	4.67	43	34987	25.912	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	66637	22.899	ug/l	99
20) Methylene Chloride	4.92	84	41012	19.900	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	37209	19.283	ug/l	95
22) Diisopropyl ether	6.31	45	153269	21.494	ug/l	97
23) Vinyl Acetate	6.25	43	440832	100.454	ug/l	98
24) 1,1-Dichloroethane	6.21	63	80647	20.771	ug/l	99
25) 2-Butanone	7.17	43	77363	104.433	ug/l	99
26) 2,2-Dichloropropane	7.17	77	45799	20.841	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	42745	20.733	ug/l	98
28) Bromochloromethane	7.51	49	36779	21.734	ug/l	97
29) Tetrahydrofuran	7.53	42	50929	114.591	ug/l	99
30) Chloroform	7.67	83	78082	21.982	ug/l	96
31) Cyclohexane	7.95	56	71141	18.520	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	61253	21.798	ug/l	96
36) 1,1-Dichloropropene	8.08	75	60272	20.361	ug/l	100
37) Ethyl Acetate	7.25	43	35555	21.918	ug/l	99
38) Carbon Tetrachloride	8.06	117	55658	21.723	ug/l	99

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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	62775	18.876	ug/l	97
40) Benzene	8.32	78	164632	20.367	ug/l	99
41) Methacrylonitrile	7.48	41	21744	22.807	ug/l	97
42) 1,2-Dichloroethane	8.40	62	56779	22.413	ug/l	98
43) Isopropyl Acetate	8.42	43	65901	21.932	ug/l	100
44) Trichloroethene	9.09	130	41030	20.881	ug/l	96
45) 1,2-Dichloropropane	9.37	63	44466	20.440	ug/l	99
46) Dibromomethane	9.46	93	20924	21.618	ug/l	98
47) Bromodichloromethane	9.65	83	56589	21.968	ug/l	98
48) Methyl methacrylate	9.43	41	31085	21.736	ug/l	96
49) 1,4-Dioxane	9.45	88	7232	488.071	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	173890	113.779	ug/l	99
52) Toluene	10.38	92	101548	20.912	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	54797	20.883	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	63538	20.054	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	29992	21.901	ug/l	98
56) Ethyl methacrylate	10.65	69	43280	21.715	ug/l	98
57) 1,3-Dichloropropane	10.93	76	57037	22.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	111794	109.289	ug/l	99
59) 2-Hexanone	10.97	43	118549	109.628	ug/l	98
60) Dibromochloromethane	11.13	129	33169	21.745	ug/l	99
61) 1,2-Dibromoethane	11.23	107	28008	21.953	ug/l	100
64) Tetrachloroethene	10.86	164	36047	22.754	ug/l	97
65) Chlorobenzene	11.66	112	101734	21.144	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37273	22.206	ug/l	99
67) Ethyl Benzene	11.73	91	194659	21.002	ug/l	98
68) m/p-Xylenes	11.84	106	140808	42.176	ug/l	99
69) o-Xylene	12.16	106	65969	21.349	ug/l	100
70) Styrene	12.18	104	116696	21.819	ug/l	99
71) Bromoform	12.35	173	19515	23.335	ug/l	96
73) Isopropylbenzene	12.46	105	185404	20.397	ug/l	99
74) N-amyl acetate	12.27	43	59542	21.681	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	36303	21.785	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	24150m	20.441	ug/l	
77) Bromobenzene	12.74	156	41876	21.295	ug/l	99
78) n-propylbenzene	12.80	91	226767	20.435	ug/l	99
79) 2-Chlorotoluene	12.89	91	132316	21.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	160802	21.171	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10611	19.692	ug/l	93
82) 4-Chlorotoluene	12.99	91	139838	21.198	ug/l	99
83) tert-Butylbenzene	13.21	119	139097	21.619	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	160350	21.016	ug/l	100
85) sec-Butylbenzene	13.38	105	193163	20.956	ug/l	100
86) p-Isopropyltoluene	13.50	119	172958	21.010	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	81494	21.187	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	80813	21.160	ug/l	99
89) n-Butylbenzene	13.82	91	167576	20.470	ug/l	100
90) Hexachloroethane	14.09	117	30443	21.078	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	74249	22.005	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6794	24.184	ug/l	91

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ClientSampleId :
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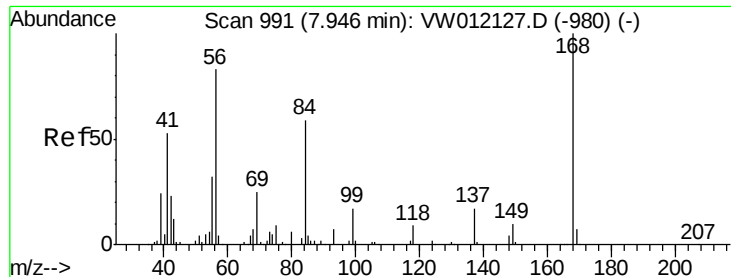
Manual Integrations
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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	49504	21.230	ug/l	99
94) Hexachlorobutadiene	15.24	225	35105	22.800	ug/l	99
95) Naphthalene	15.36	128	83069	20.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	43440	21.352	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: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD02

Tot Ion:168 Resp: 179400

Ion Ratio Lower Upper

168 100

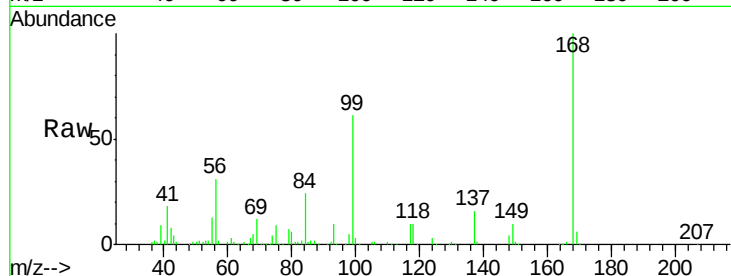
99 60.4 49.2 73.8

Manual Integrations

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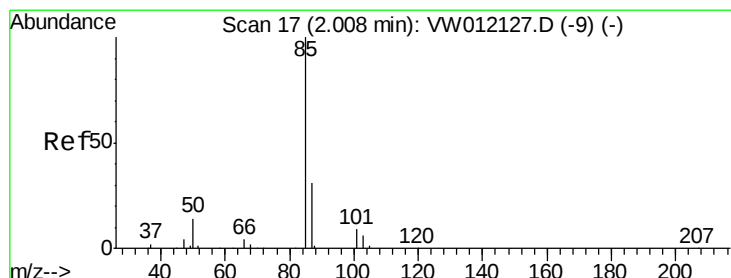
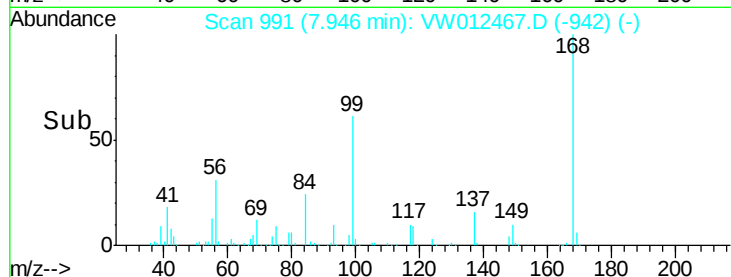
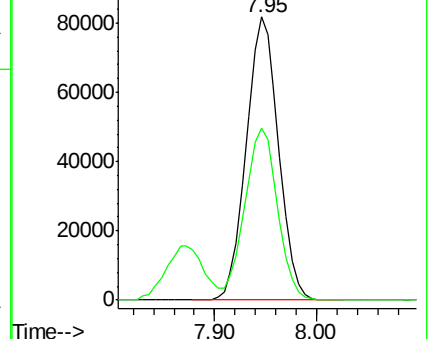
MMDadoda

9/3/2019 10:44:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.287 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012467.D

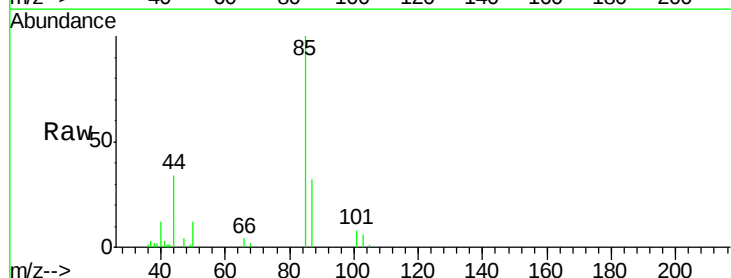
Acq: 02 Sep 2019 00:40

Tgt Ion: 85 Resp: 17991

Ion Ratio Lower Upper

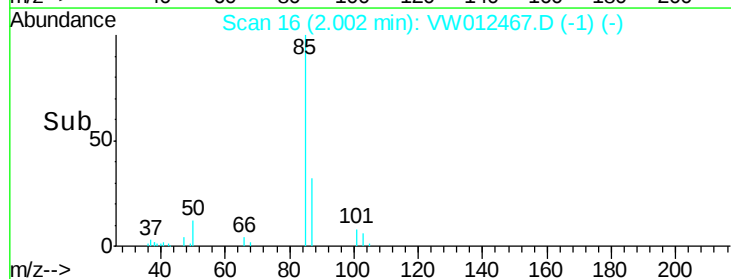
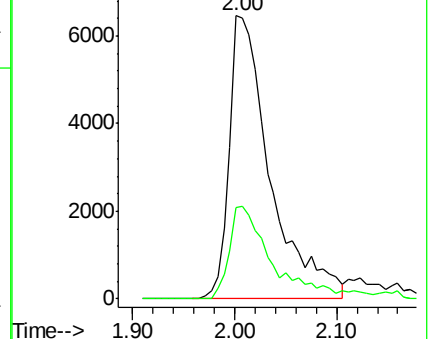
85 100

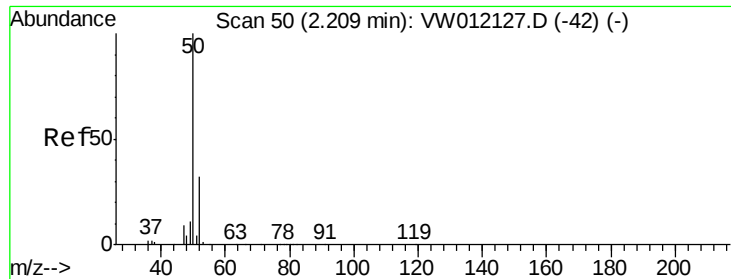
87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.522 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD02

Tot Ion: 50 Resp: 35122

Ion Ratio Lower Upper

50 100

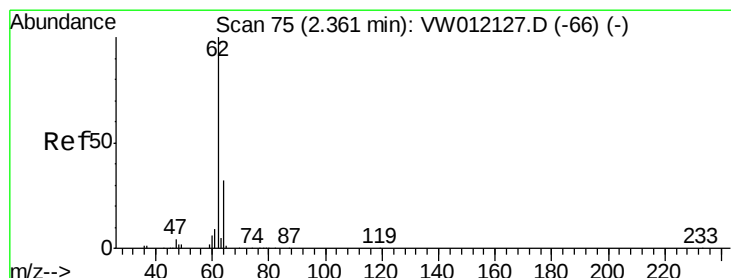
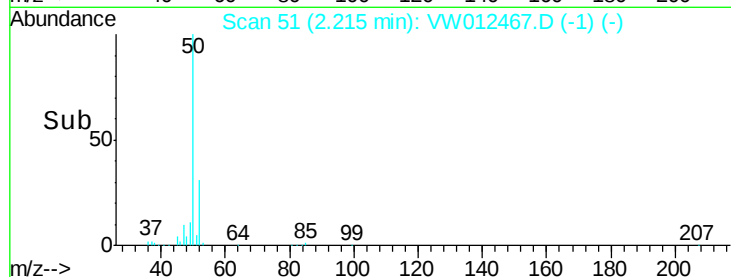
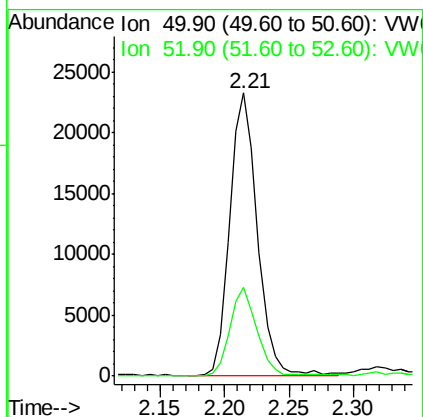
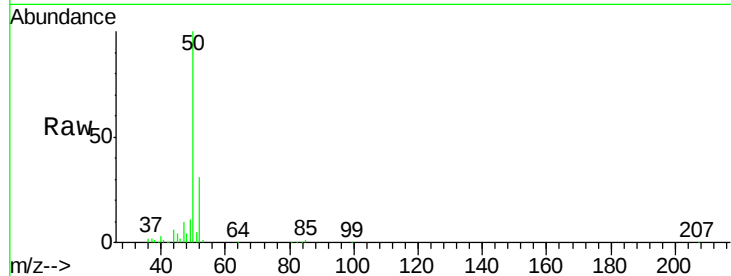
52 31.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.749 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012467.D

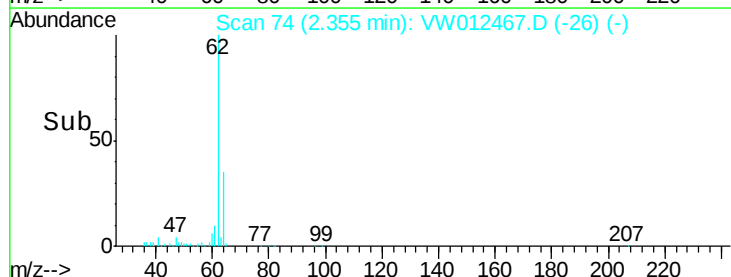
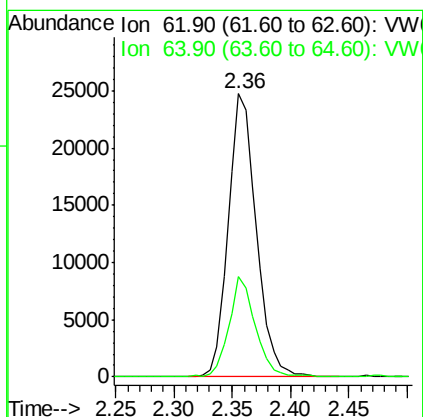
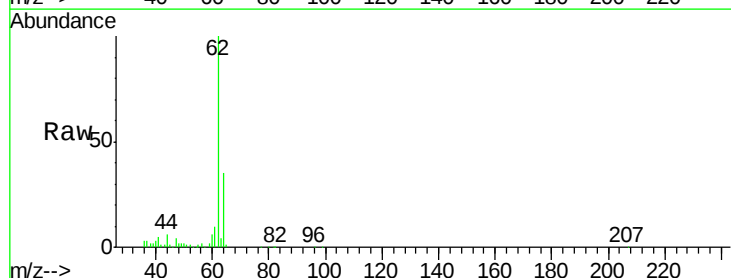
Acq: 02 Sep 2019 00:40

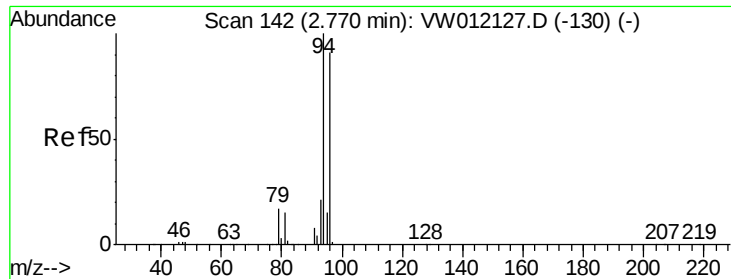
Tgt Ion: 62 Resp: 41368

Ion Ratio Lower Upper

62 100

64 35.5 25.3 37.9





#5

Bromomethane

Concen: 21.203 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBS02

Tot Ion: 94 Resp: 22493

Ion Ratio Lower Upper

94 100

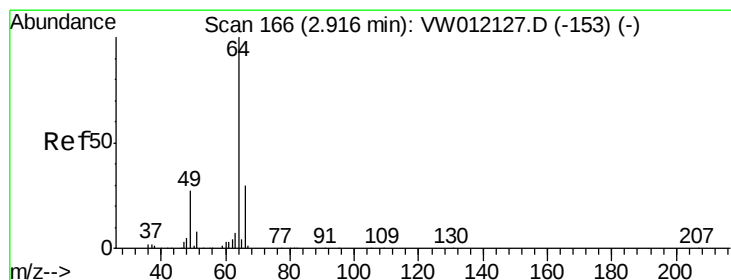
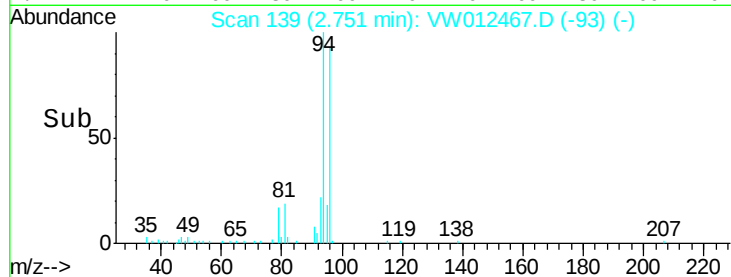
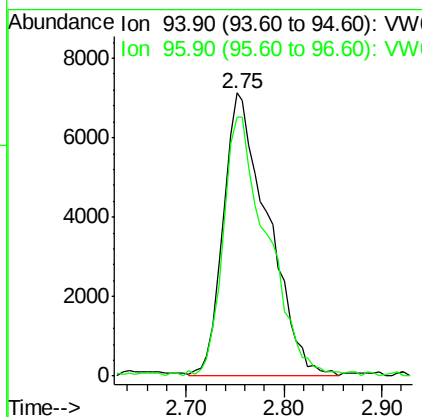
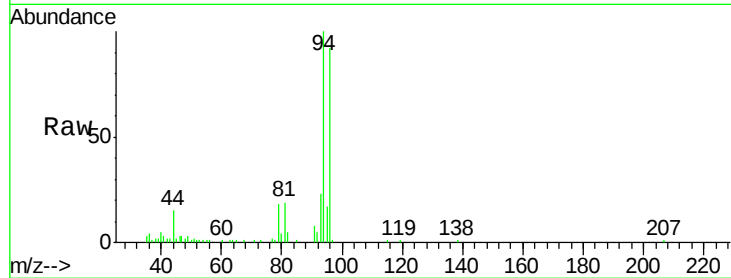
96 90.1 72.9 109.3

Manual Integrations

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9/3/2019 10:44:54 AM



#6

Chloroethane

Concen: 20.641 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012467.D

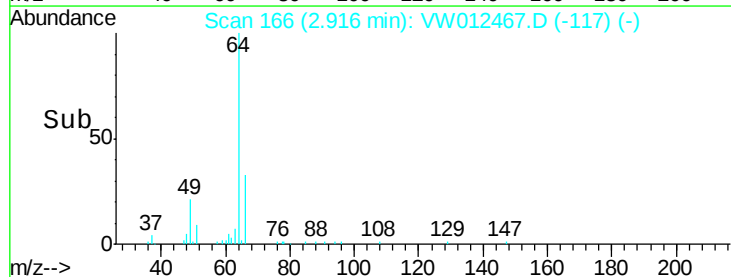
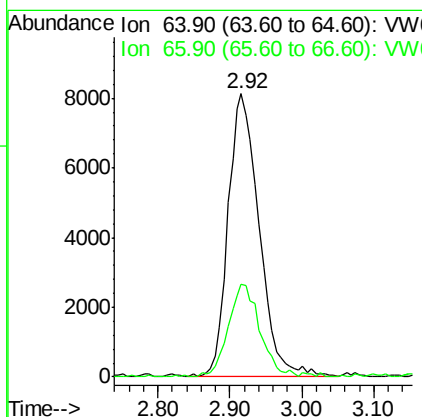
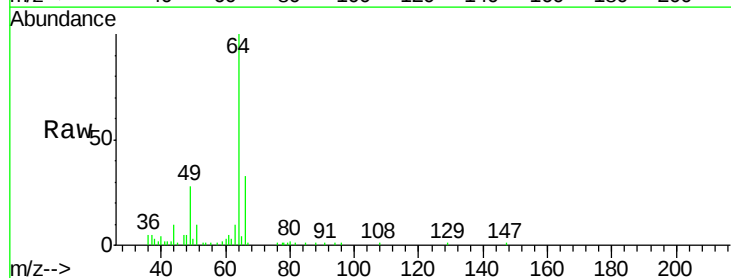
Acq: 02 Sep 2019 00:40

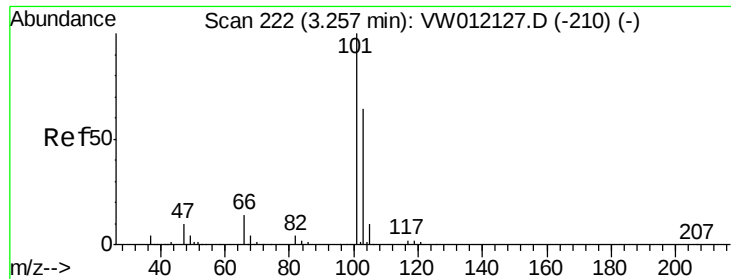
Tgt Ion: 64 Resp: 24390

Ion Ratio Lower Upper

64 100

66 32.5 23.8 35.8





#7

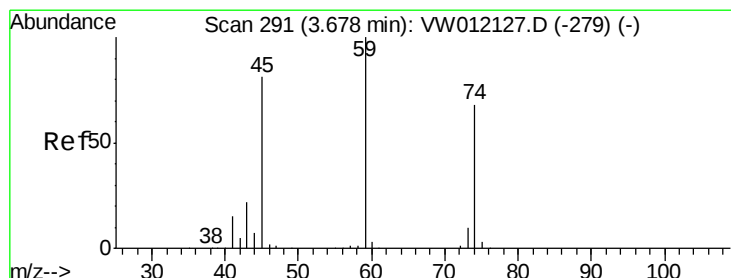
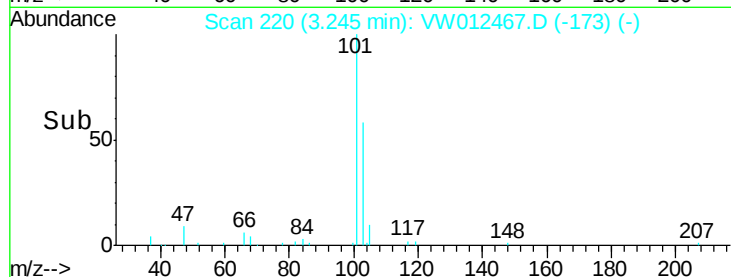
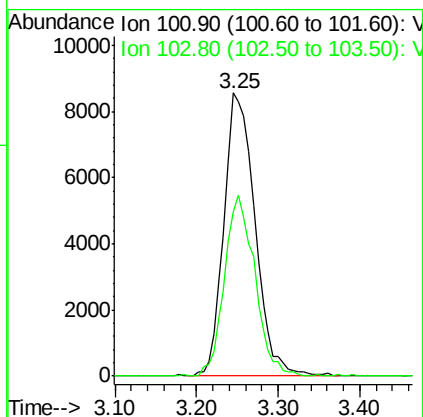
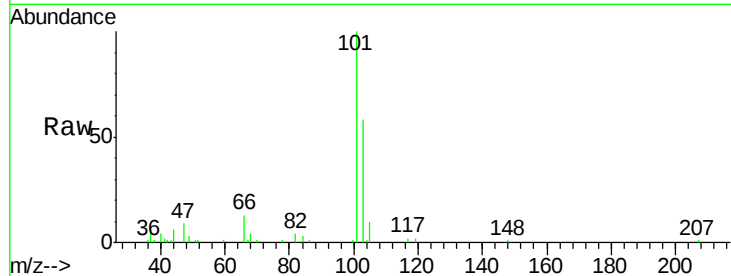
Trichlorofluoromethane
 Concen: 21.464 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
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 ClientSampleId :
 VW0901SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.9	51.2	76.8

Manual Integrations
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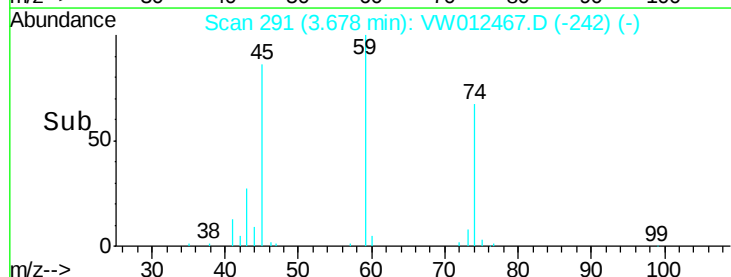
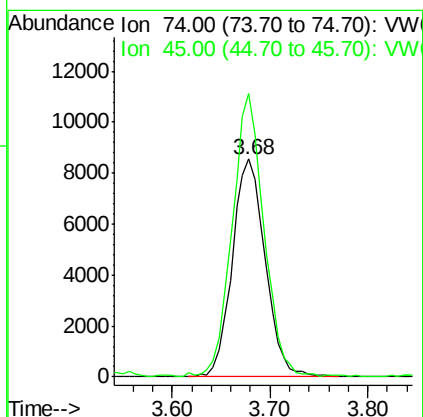
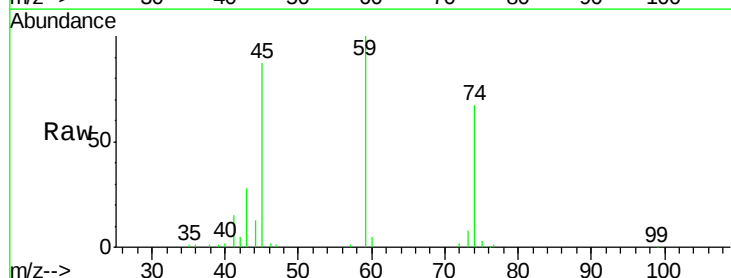
MMDadoda
 9/3/2019 10:44:54 AM

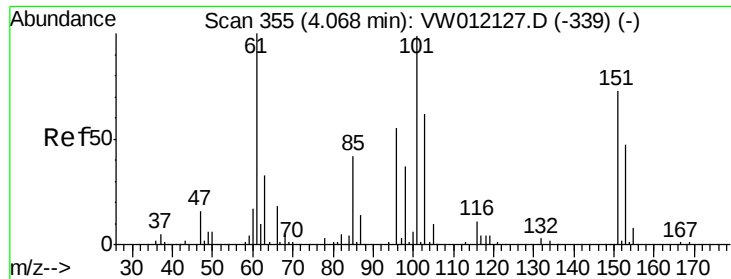


#8

Diethyl Ether
 Concen: 20.019 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.5	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.627 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

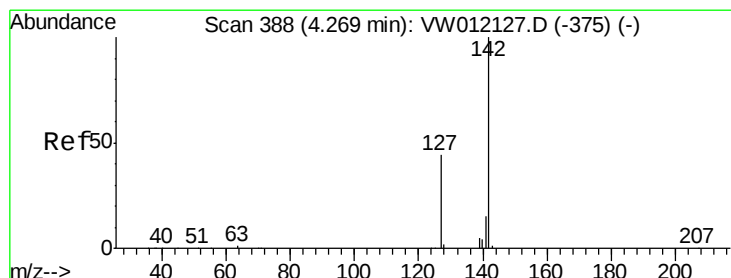
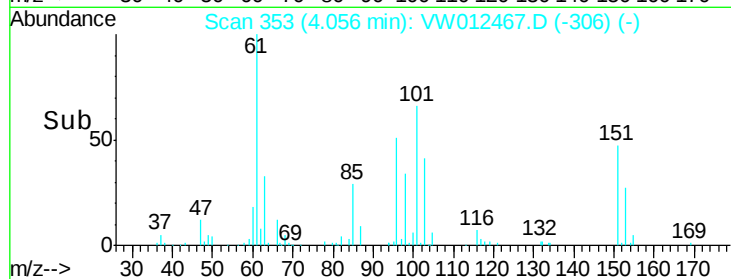
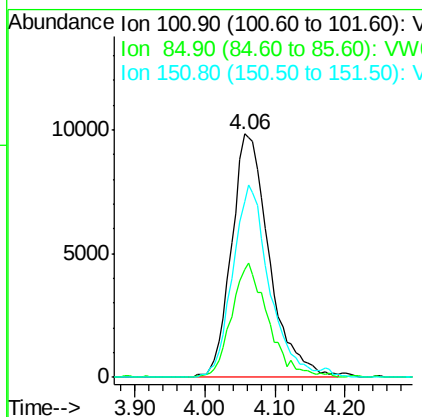
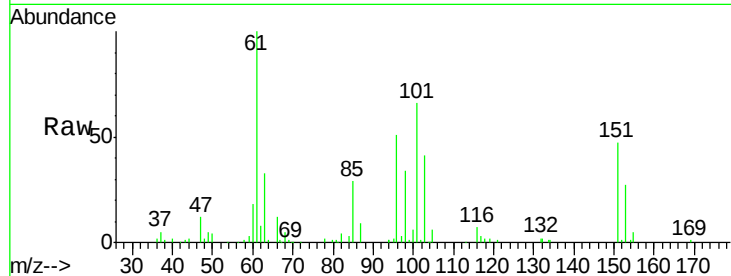
ClientSampled :

VW0901SBSD02

Tot Ion:	101	Resp:	36878
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.8	53.6
151	76.5	58.6	87.8

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#10

Methyl Iodide

Concen: 19.570 ug/l

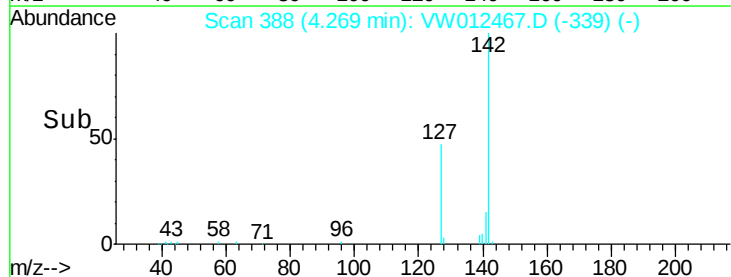
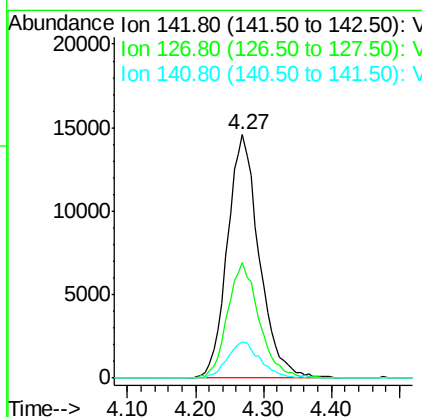
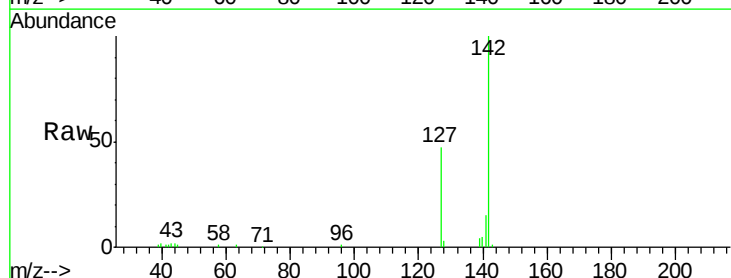
RT: 4.27 min Scan# 388

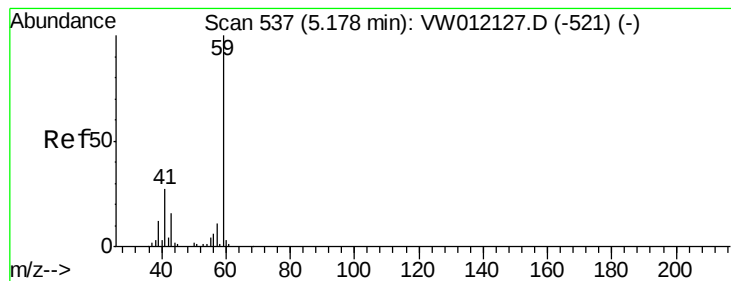
Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tgt Ion:	142	Resp:	47340
Ion Ratio	Lower	Upper	
142	100		
127	47.0	35.5	53.3
141	15.2	11.8	17.8





#11

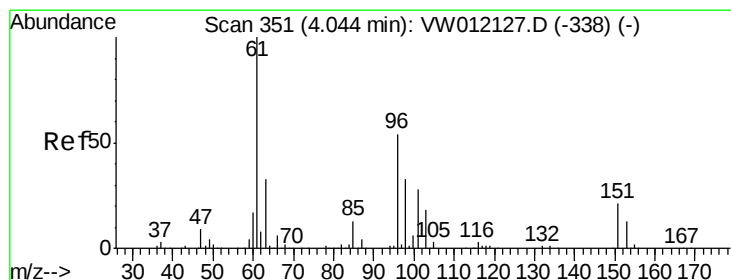
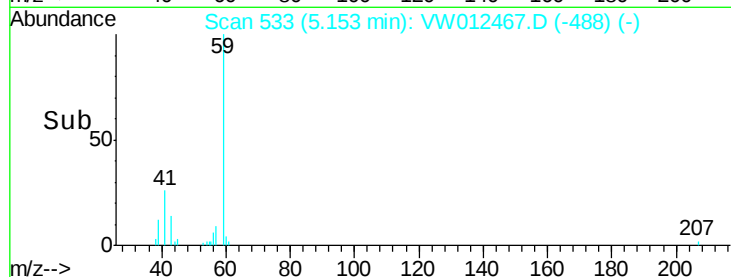
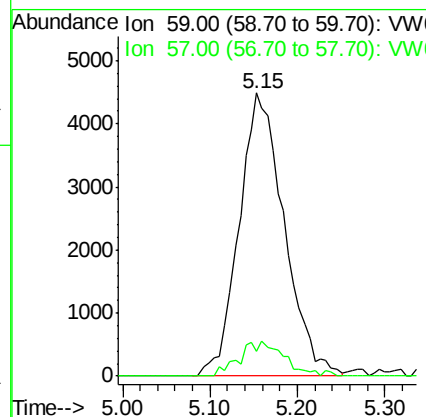
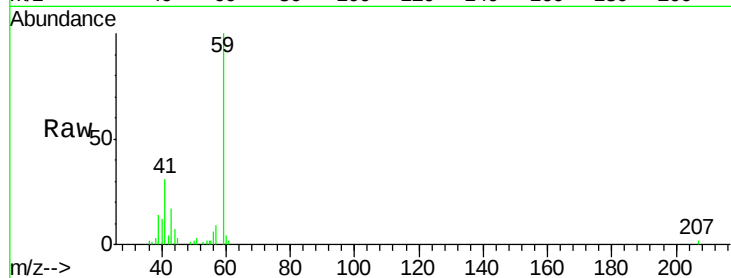
Tert butyl alcohol
 Concen: 125.300 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	16081		
57	5.3	9.0	13.4#	

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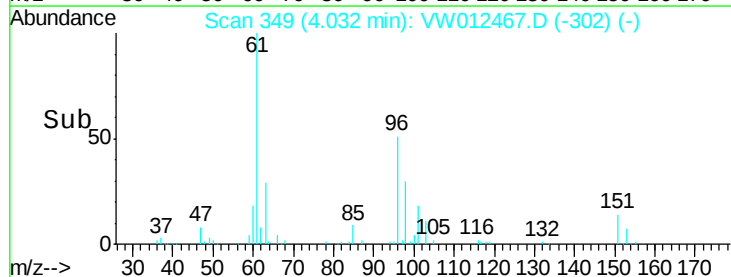
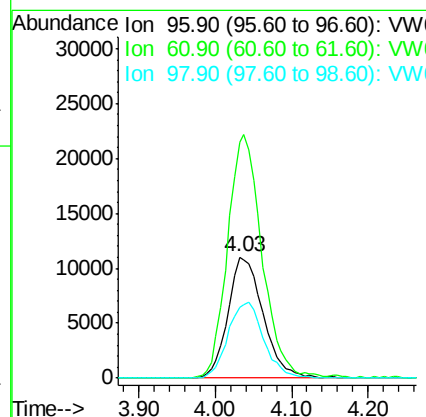
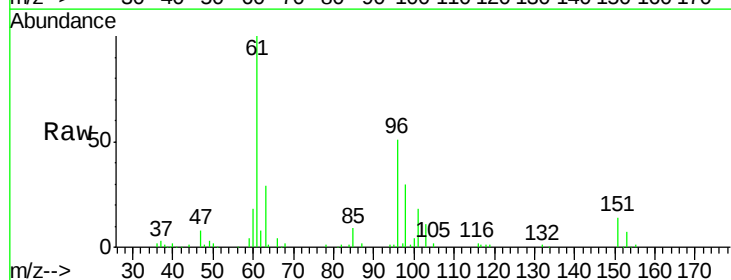
MMDadoda
 9/3/2019 10:44:54 AM

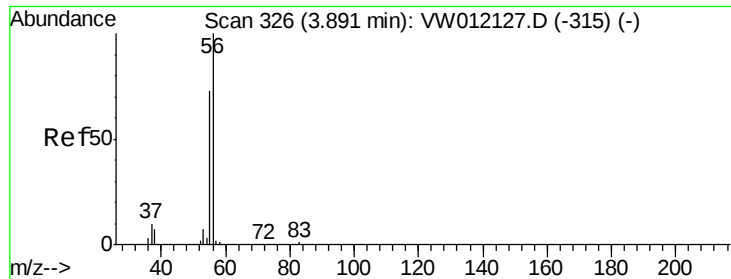


#12

1,1-Dichloroethene
 Concen: 19.437 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	34977		
61	194.9	149.1	223.7	
98	58.1	49.4	74.2	





#13

Acrolein

Concen: 79.447 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD02

Tot Ion: 56 Resp: 9598

Ion Ratio Lower Upper

56 100

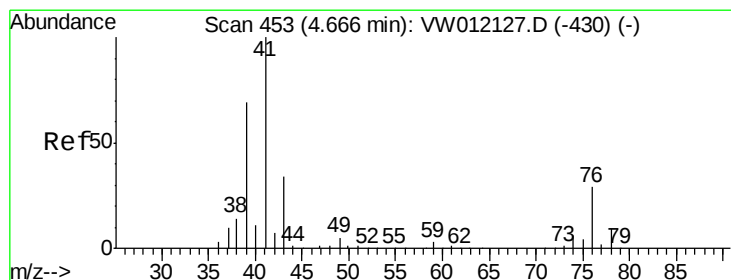
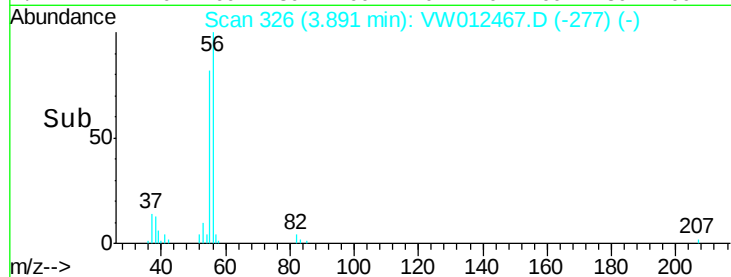
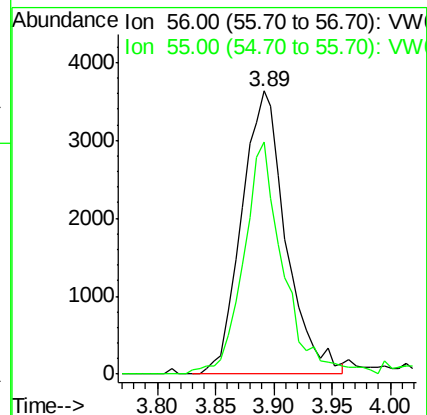
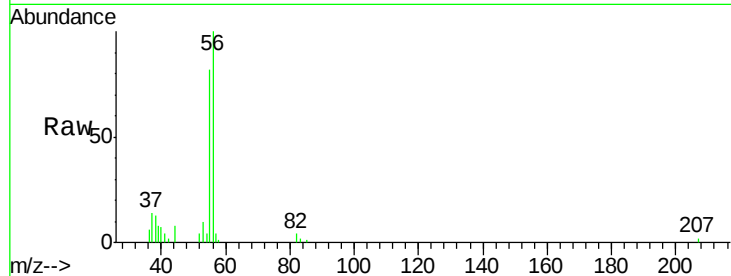
55 73.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.936 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

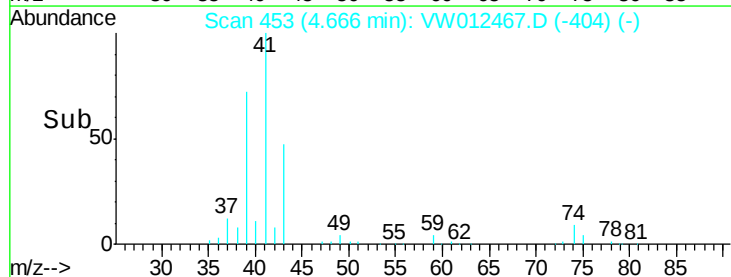
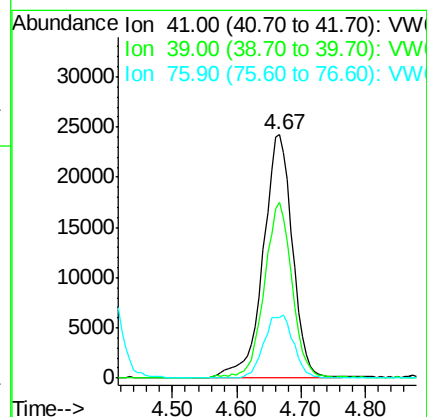
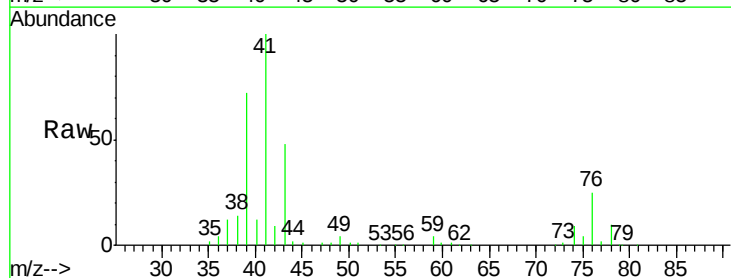
Tgt Ion: 41 Resp: 76694

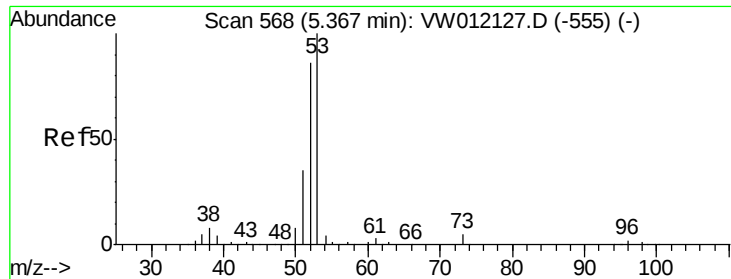
Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 25.8 22.1 33.1





#15

Acrylonitrile

Concen: 112.257 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

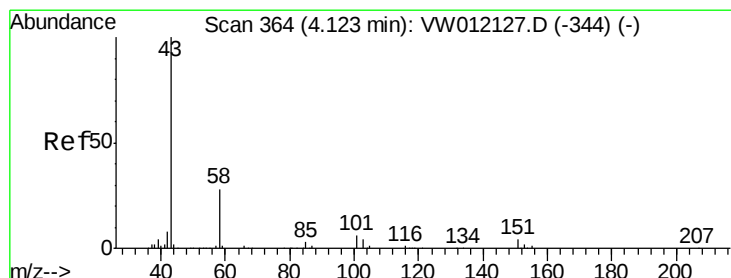
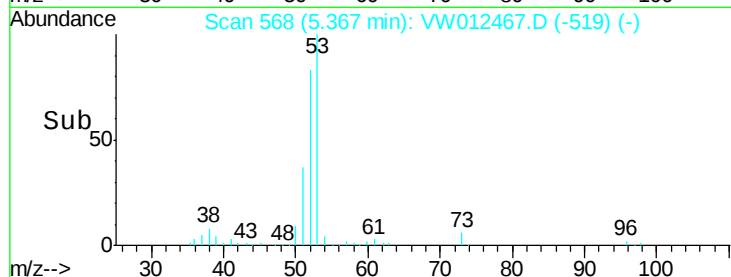
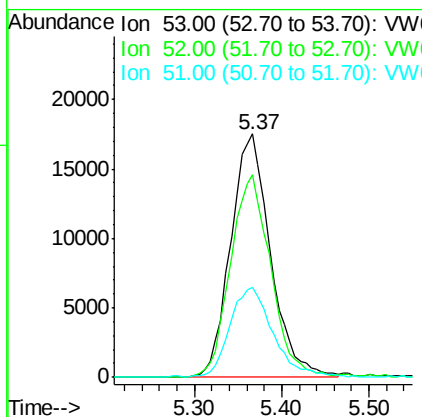
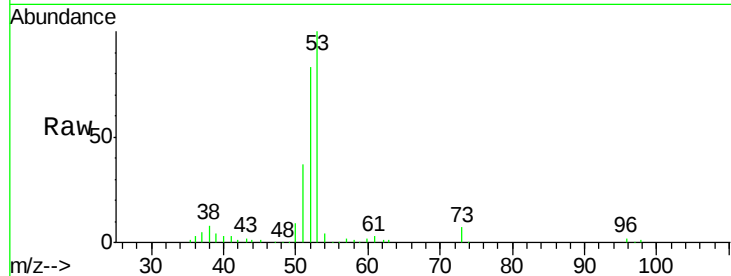
ClientSampleId :

VW0901SBSD02

Tot Ion:	53	Resp:	55550
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.7	100.1
51	40.0	30.1	45.1

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#16

Acetone

Concen: 94.940 ug/l

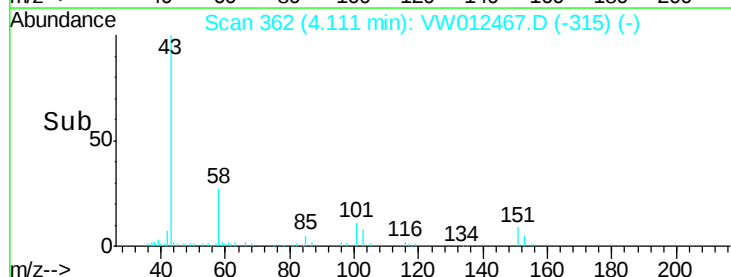
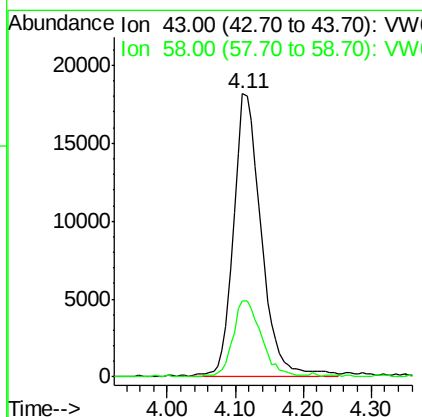
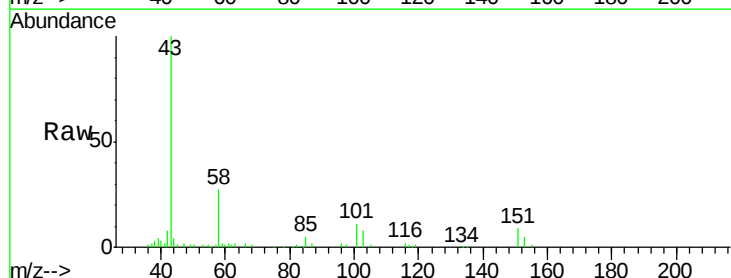
RT: 4.11 min Scan# 362

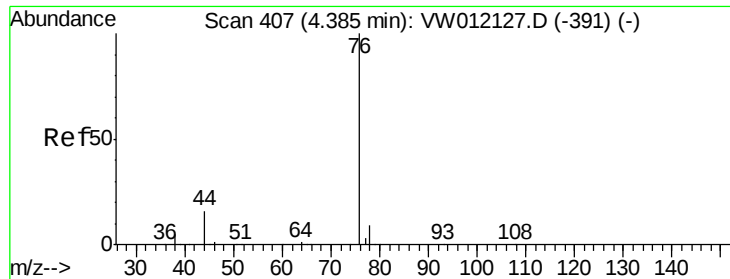
Delta R.T. -0.01 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tgt Ion:	43	Resp:	51756
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.4	33.6





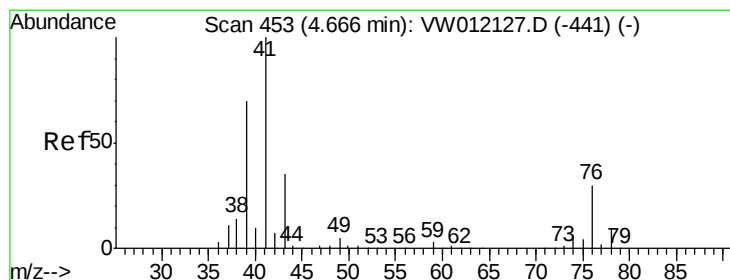
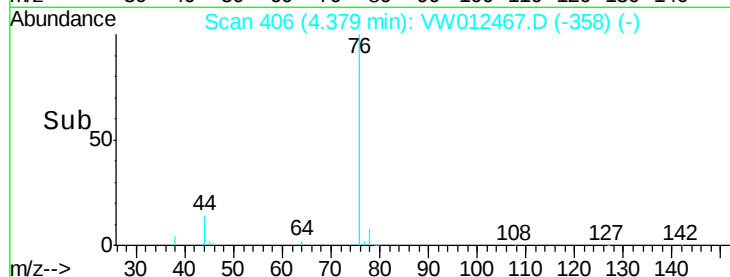
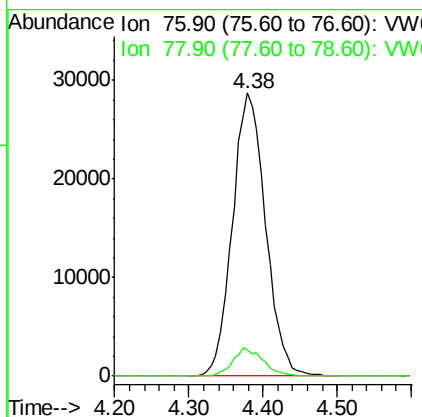
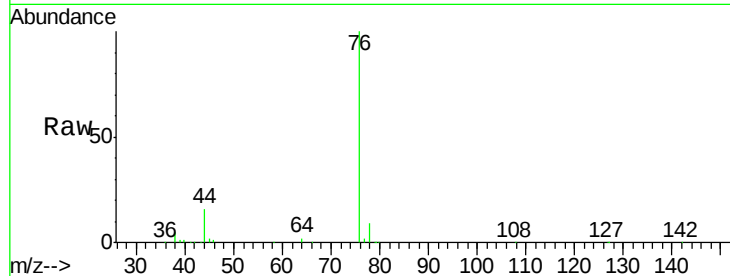
#17
Carbon Disulfide
Concen: 16.472 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

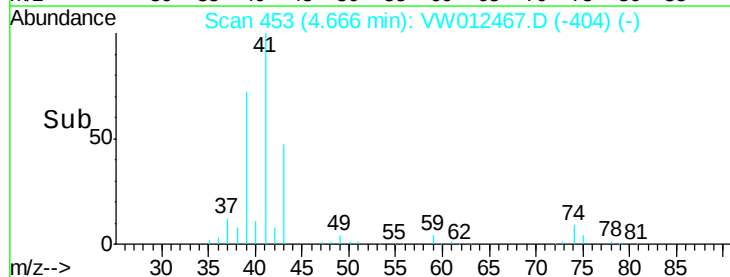
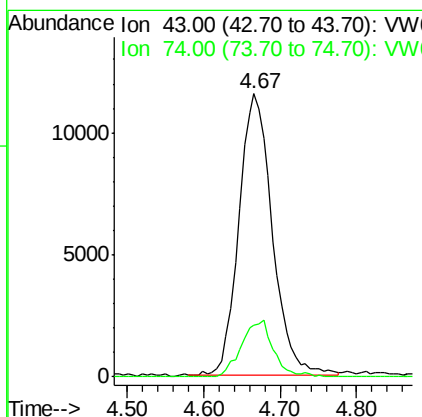
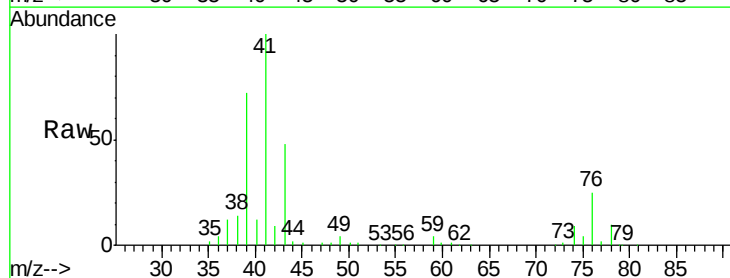
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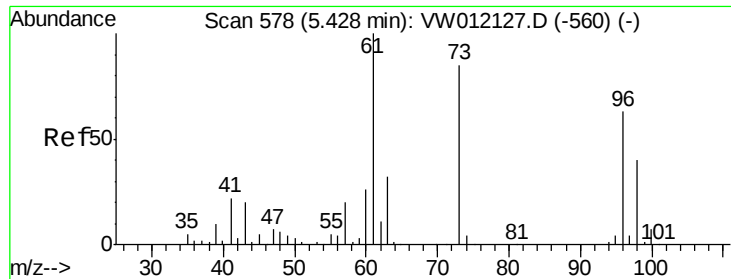
MMDadoda
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#18
Methyl Acetate
Concen: 25.912 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	15.7	23.5





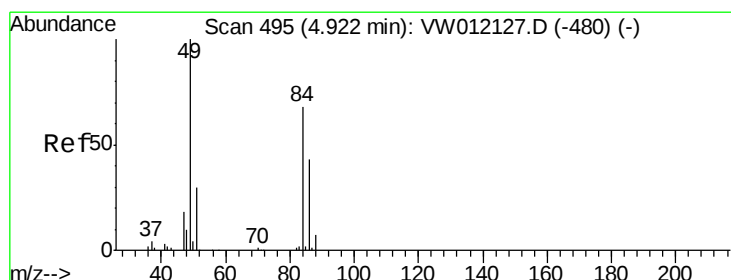
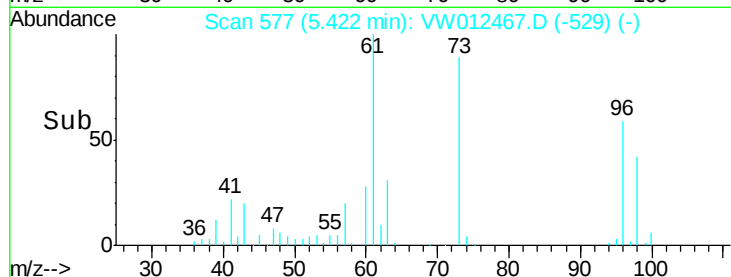
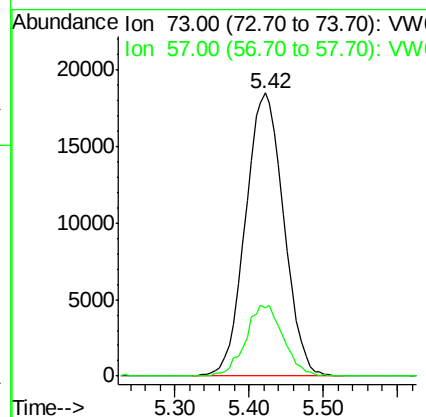
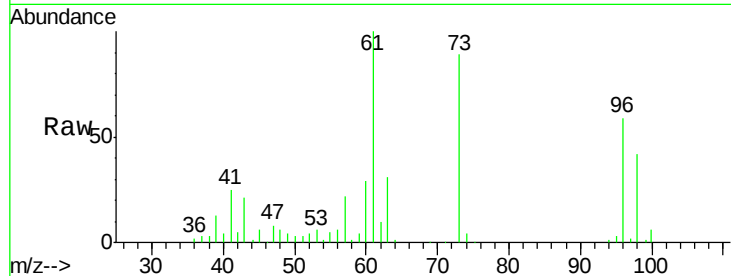
#19
Methvl tert-butvl Ether
Concen: 22.899 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion: 73 Resp: 66637
Ion Ratio Lower Upper
73 100
57 24.3 18.9 28.3

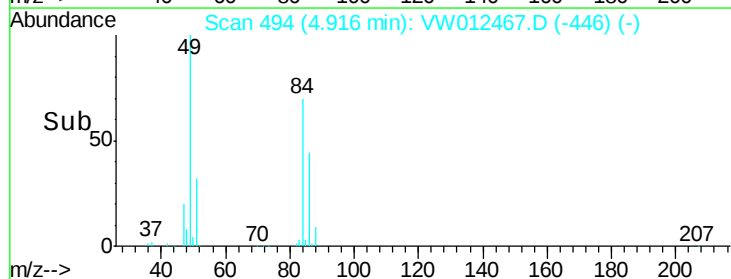
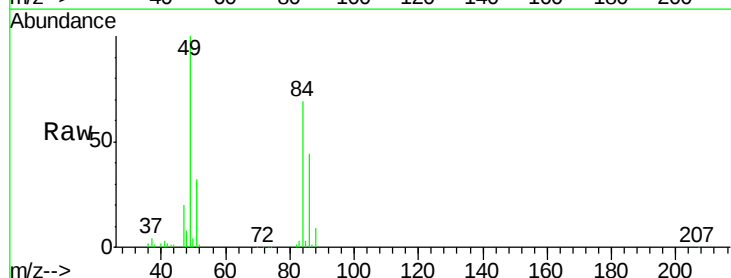
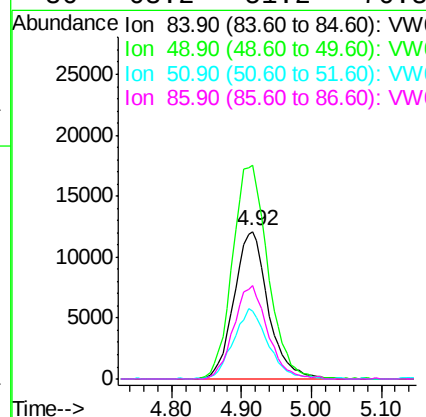
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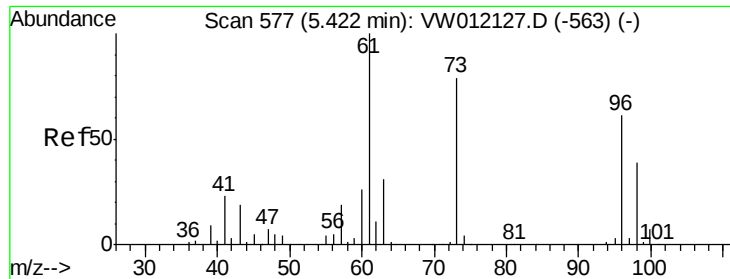
MMDadoda
9/3/2019 10:44:54 AM



#20
Methylene Chloride
Concen: 19.900 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion: 84 Resp: 41012
Ion Ratio Lower Upper
84 100
49 144.9 117.8 176.8
51 46.1 35.6 53.4
86 63.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.283 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD02

Tot Ion: 96 Resp: 37209

Ion Ratio Lower Upper

96 100

61 169.0 131.4 197.0

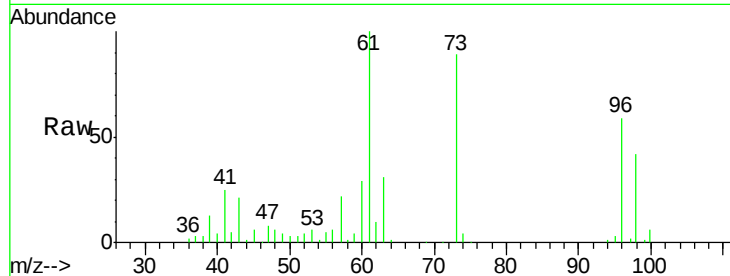
98 70.3 51.4 77.0

Manual Integrations

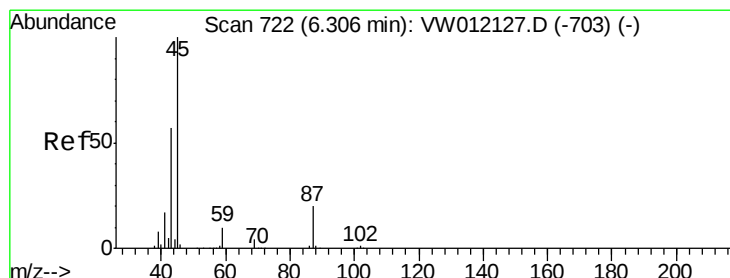
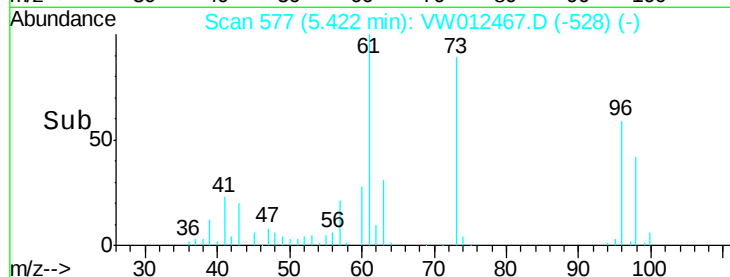
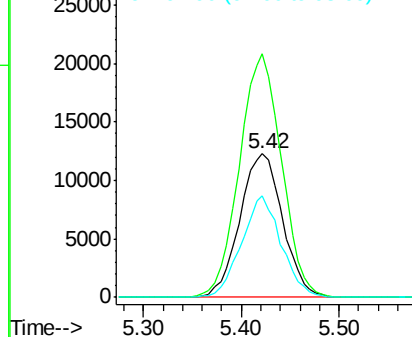
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.494 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tgt Ion: 45 Resp: 153269

Ion Ratio Lower Upper

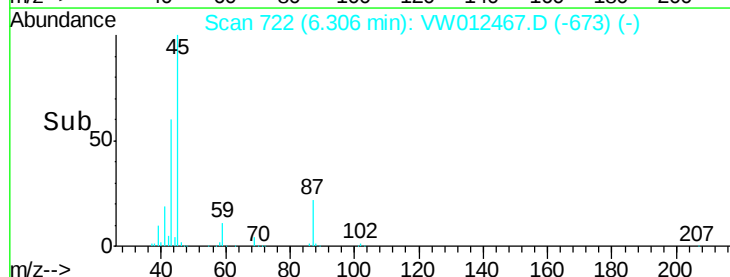
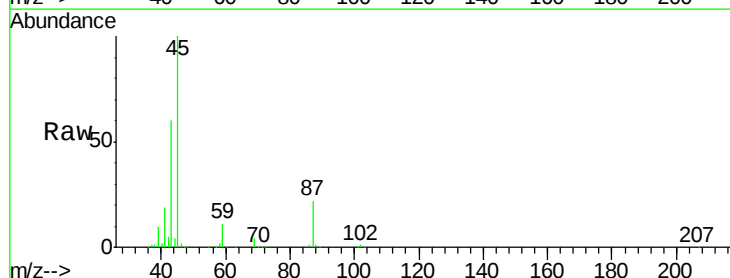
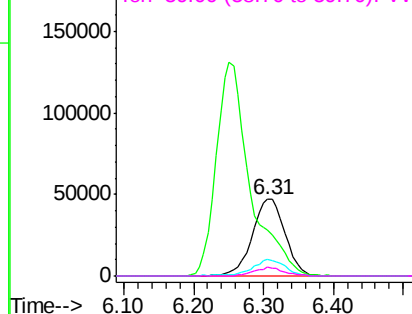
45 100

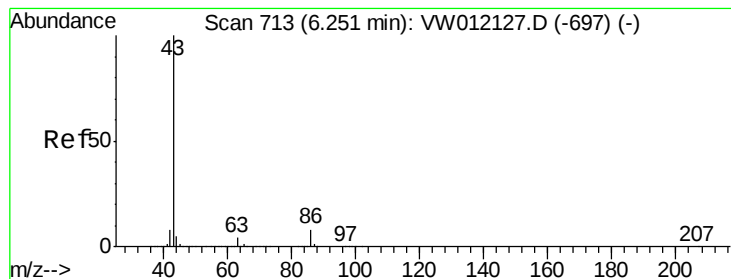
43 59.0 45.5 68.3

87 22.1 16.1 24.1

59 11.0 8.2 12.2

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





#23

Vinyl Acetate

Concen: 100.454 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD02

Tot Ion: 43 Resp: 440832

Ion Ratio Lower Upper

43 100

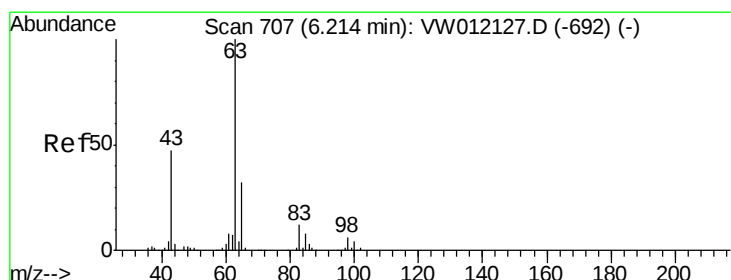
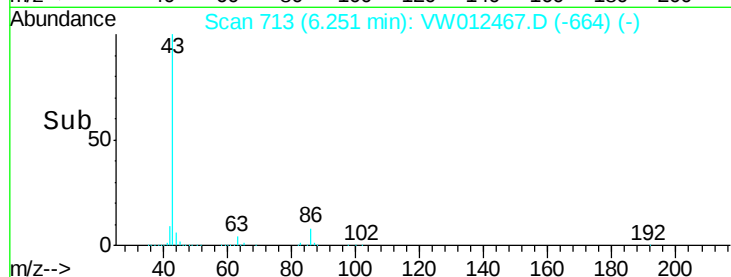
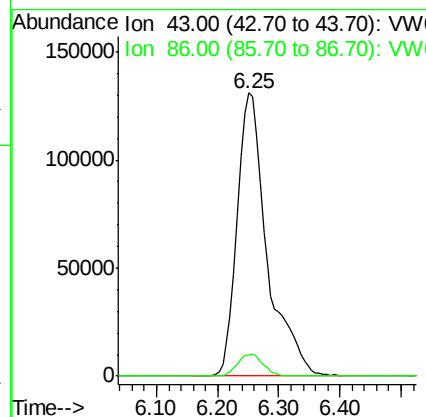
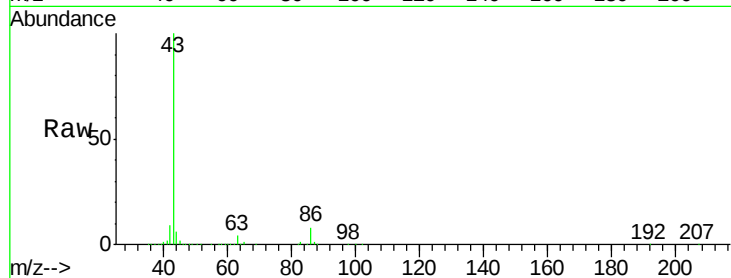
86 7.6 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 20.771 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

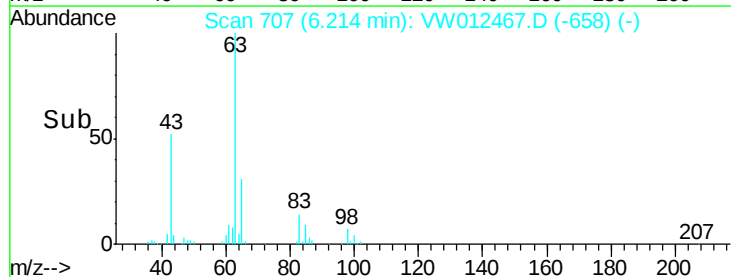
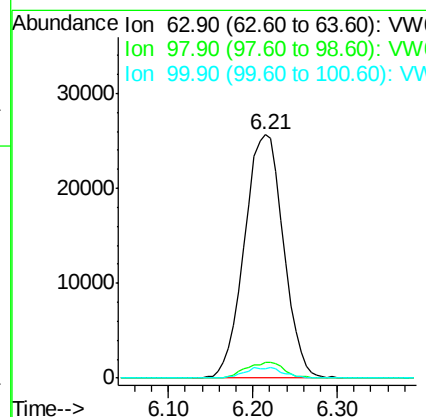
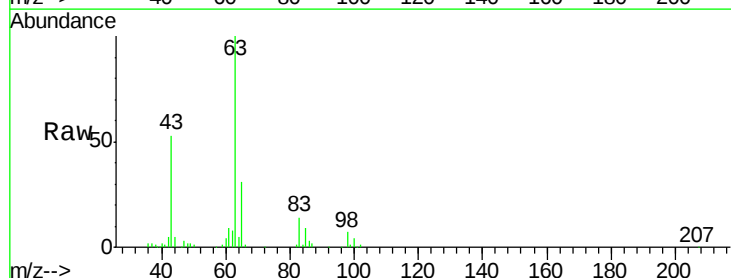
Tgt Ion: 63 Resp: 80647

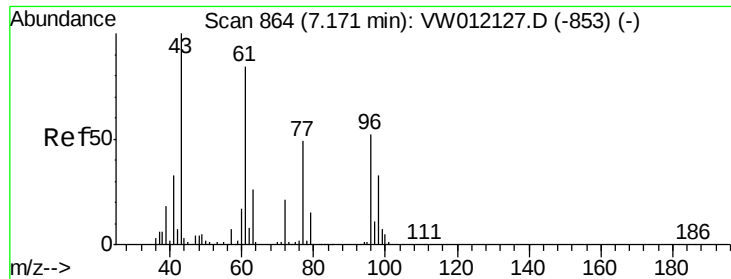
Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

100 4.1 2.0 6.0





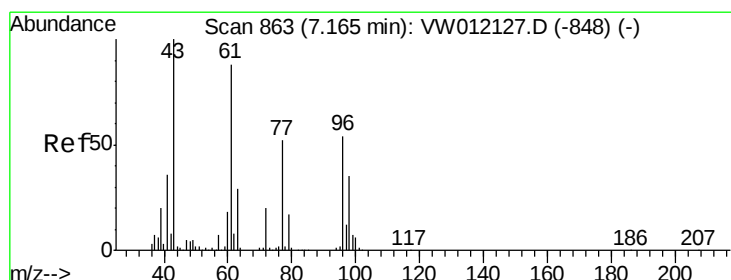
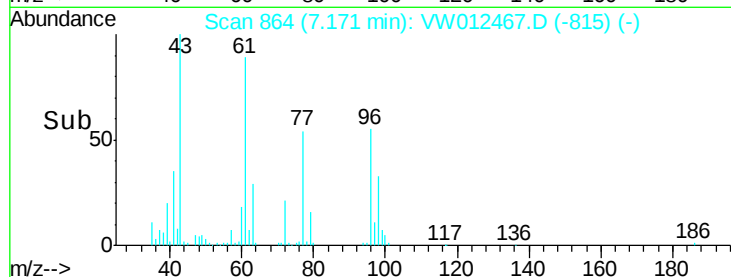
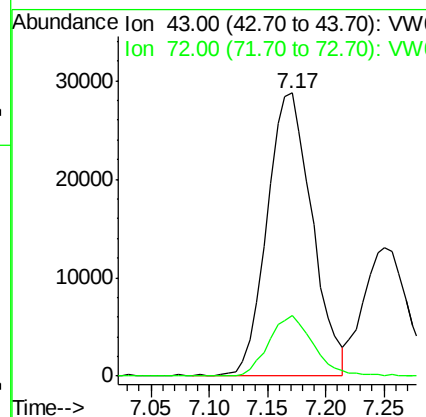
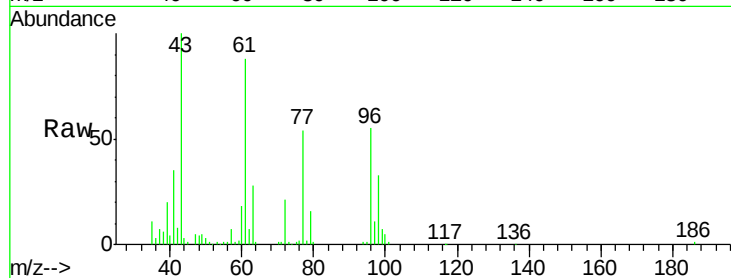
#25
2-Butanone
Concen: 104.433 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion: 43 Resp: 77363
Ion Ratio Lower Upper
43 100
72 21.2 16.6 24.8

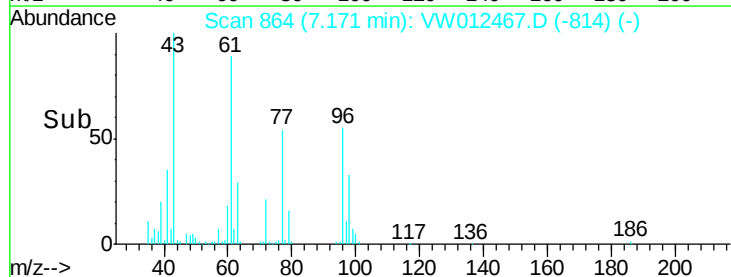
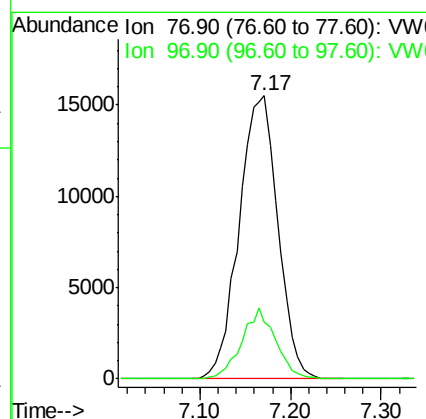
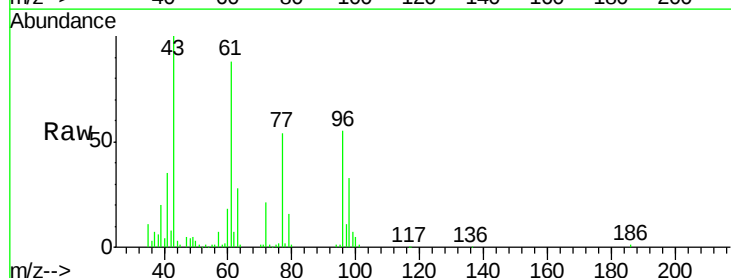
Manual Integrations
APPROVED

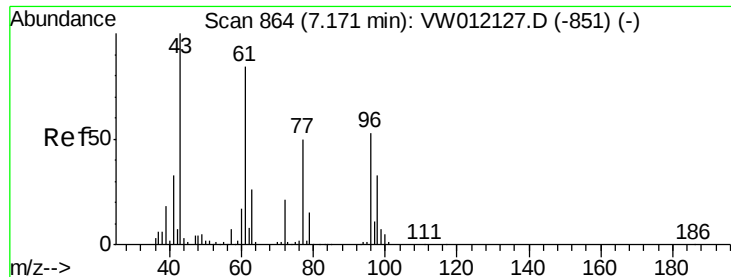
MMDadoda
9/3/2019 10:44:54 AM



#26
2,2-Dichloropropane
Concen: 20.841 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion: 77 Resp: 45799
Ion Ratio Lower Upper
77 100
97 21.9 11.1 33.1





#27

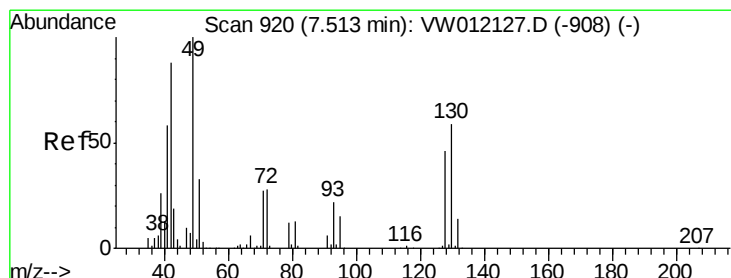
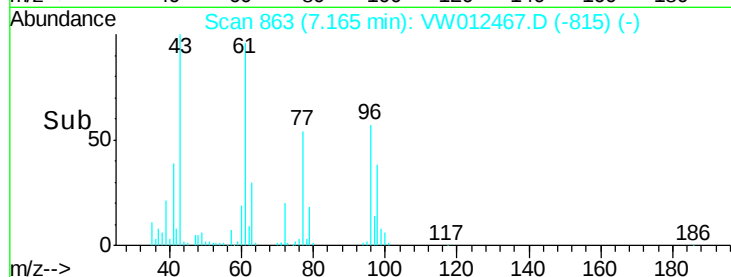
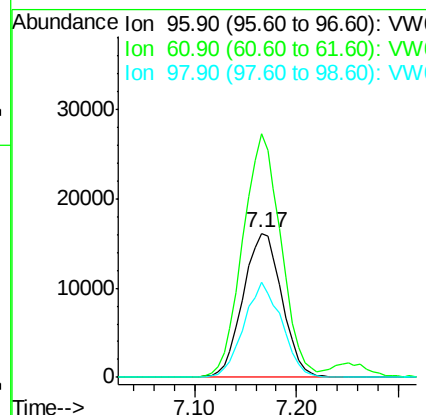
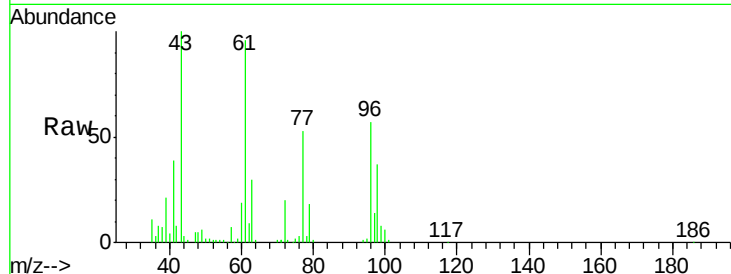
cis-1,2-Dichloroethene
Concen: 20.733 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.1	0.0	326.6
98	64.1	0.0	127.4

Manual Integrations
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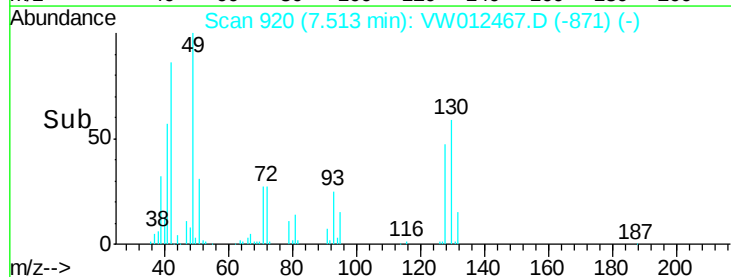
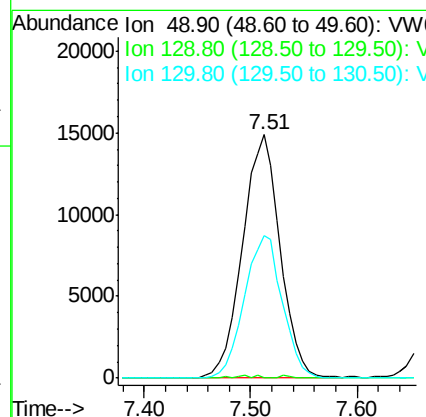
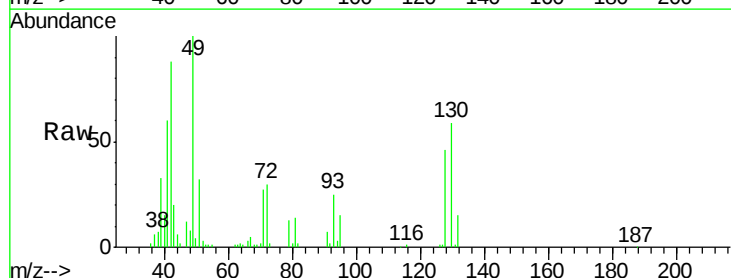
MMDadoda
9/3/2019 10:44:54 AM

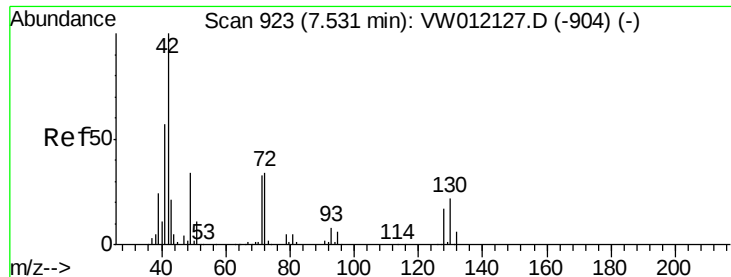


#28

Bromochloromethane
Concen: 21.734 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.4
130	59.1	45.5	68.3





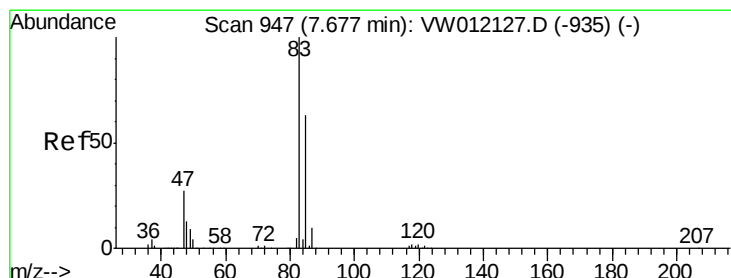
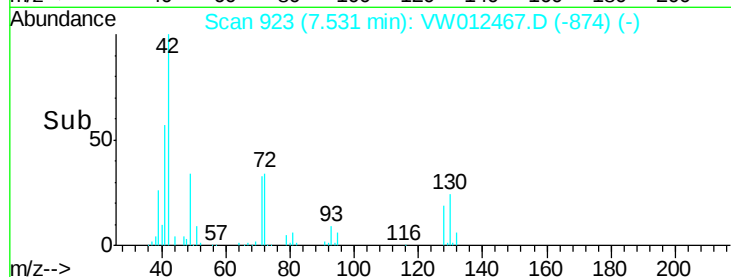
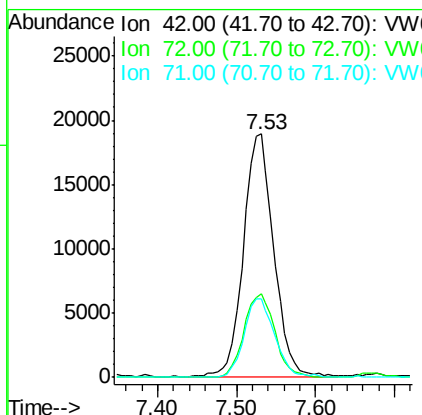
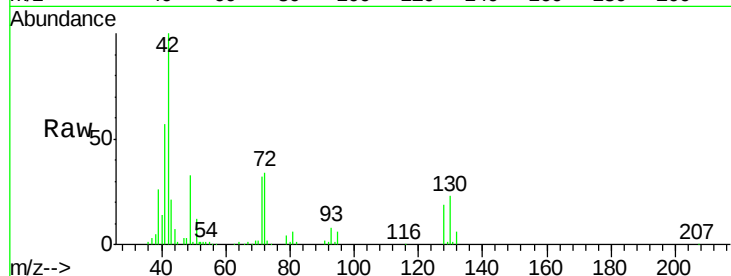
#29
Tetrahydrofuran
Concen: 114.591 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS02

Tot Ion:	42	Resp:	50929
Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.3	40.9
71	32.6	25.5	38.3

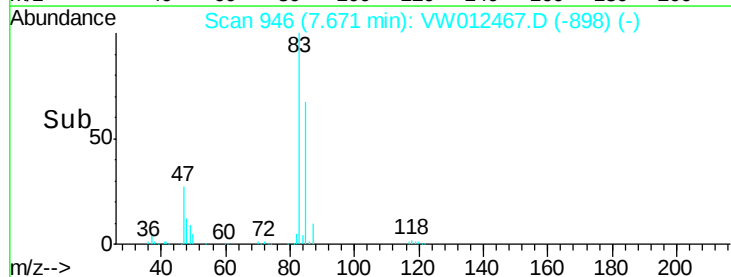
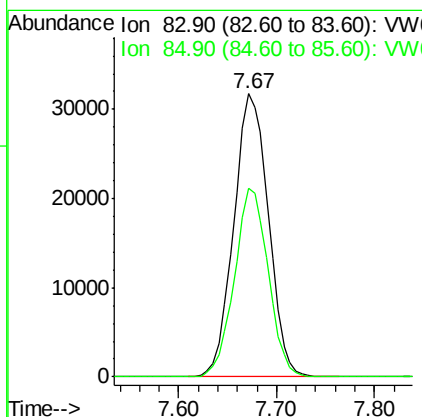
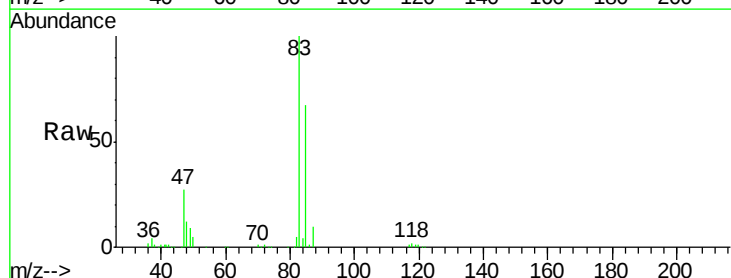
Manual Integrations
APPROVED

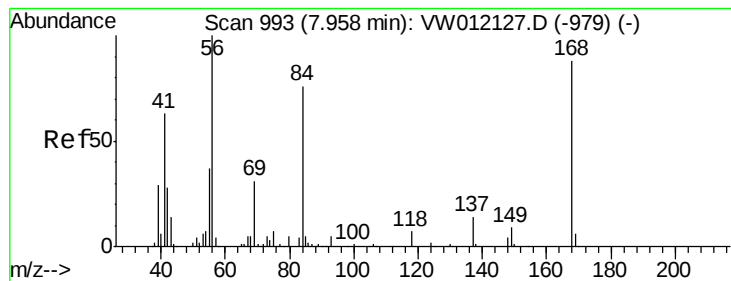
MMDadoda
9/3/2019 10:44:54 AM



#30
Chloroform
Concen: 21.982 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion:	83	Resp:	78082
Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.6	76.0





#31

Cyclohexane

Concen: 18.520 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

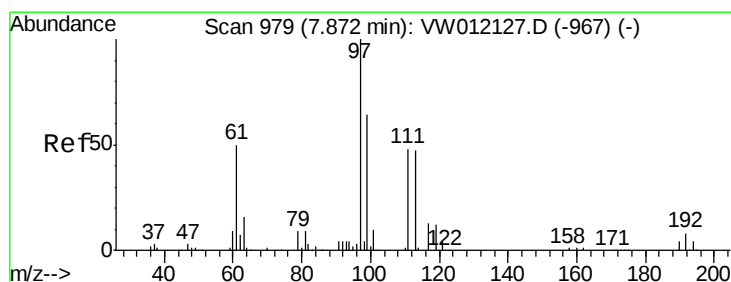
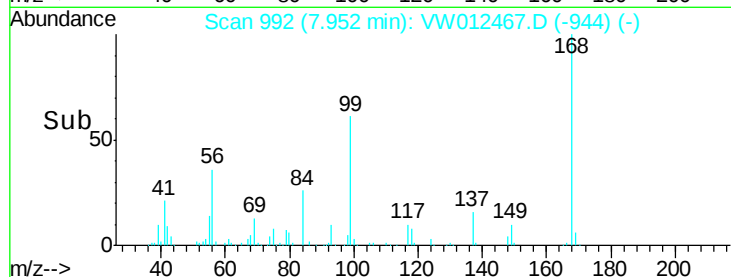
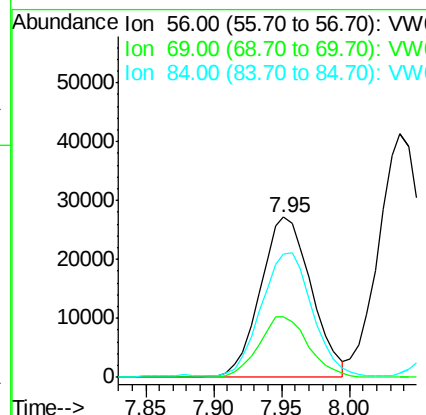
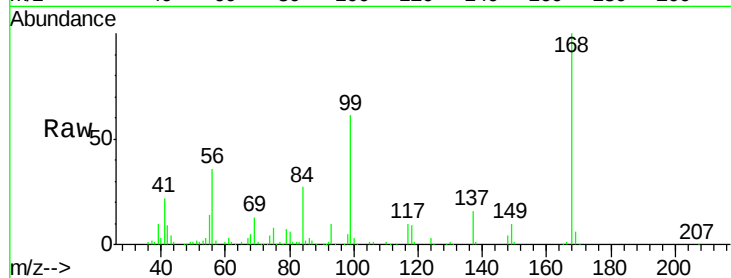
ClientSampleId :

VW0901SBSD02

Tot Ion:	56	Resp:	71141
Ion Ratio	Lower	Upper	
56	100		
69	37.9	24.9	37.3#
84	75.8	60.6	90.8

Manual Integrations
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9/3/2019 10:44:54 AM



#32

1,1,1-Trichloroethane

Concen: 21.798 ug/l

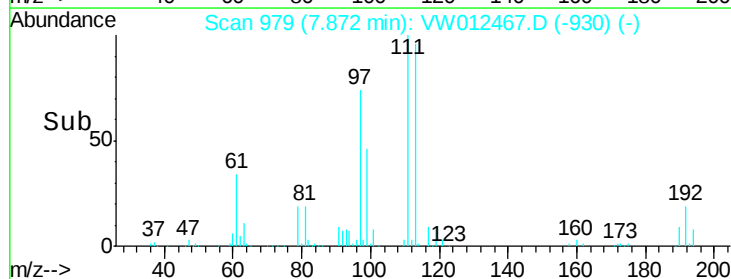
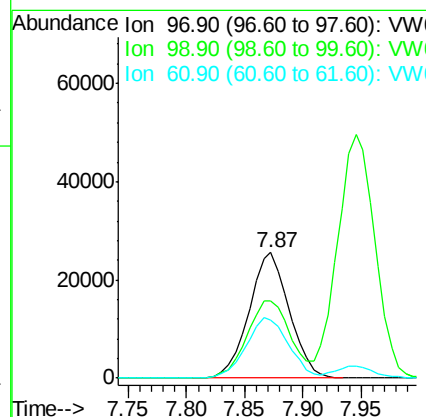
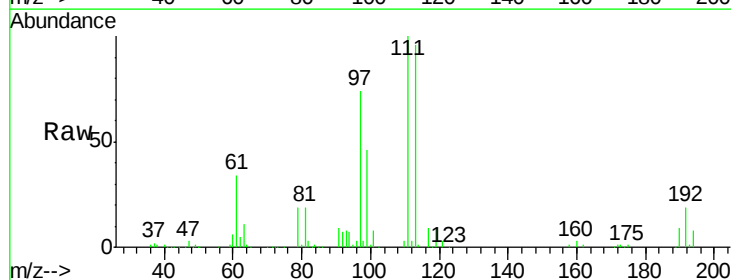
RT: 7.87 min Scan# 979

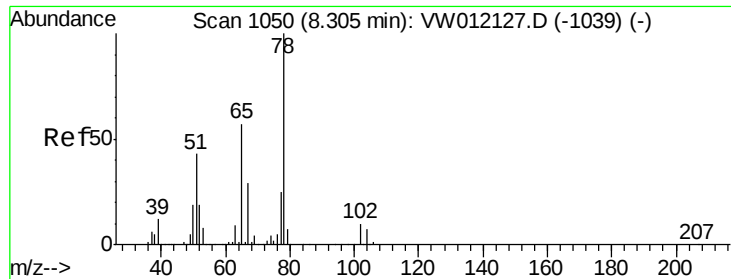
Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tgt Ion:	97	Resp:	61253
Ion Ratio	Lower	Upper	
97	100		
99	68.3	51.4	77.0
61	50.8	39.5	59.3





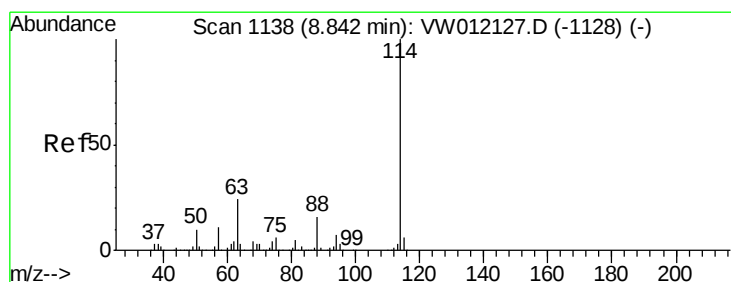
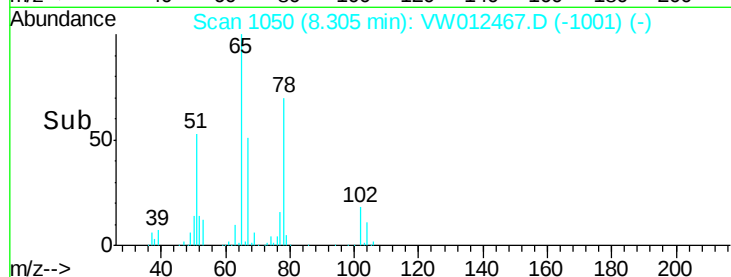
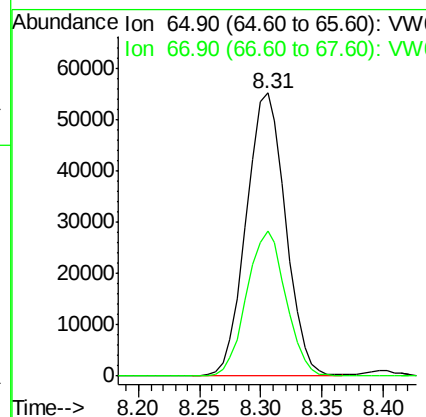
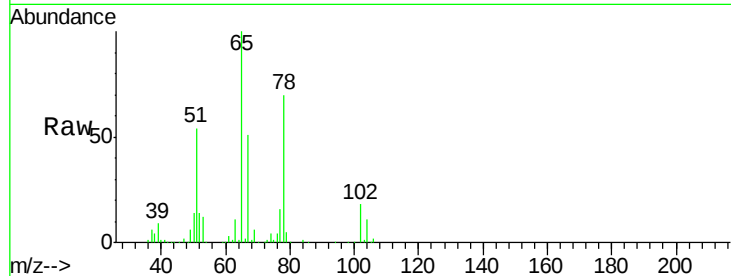
#33
 1,2-Dichloroethane-d4
 Concen: 57.849 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.6

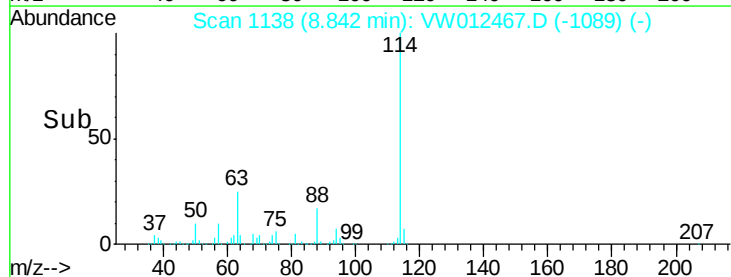
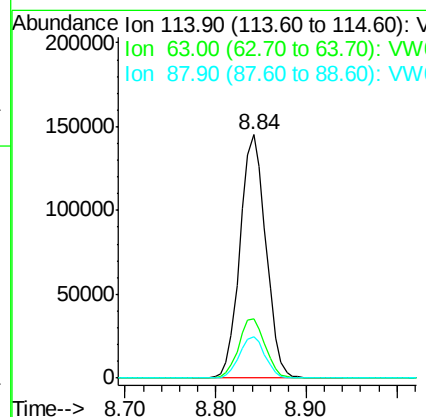
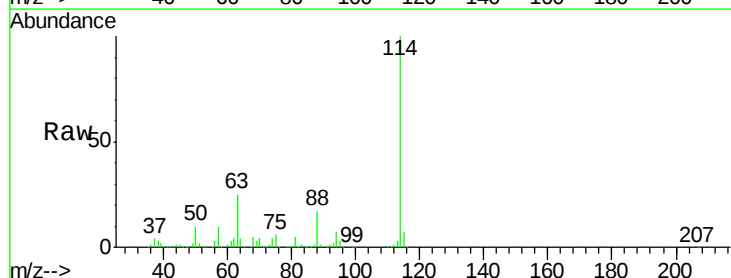
Manual Integrations
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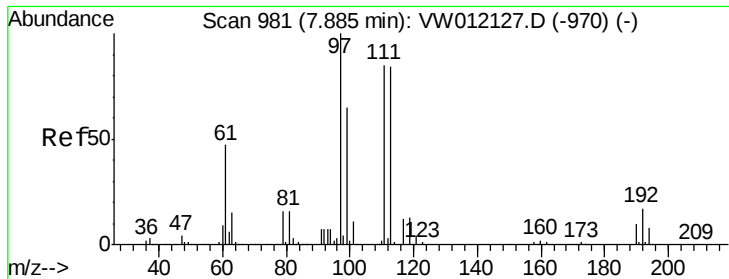
MMDadoda
 9/3/2019 10:44:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	48.6
88	17.1	0.0	32.2





#35

Dibromofluoromethane

Concen: 55.436 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD02

Tot Ion:113 Resp: 94789

Ion Ratio Lower Upper

113 100

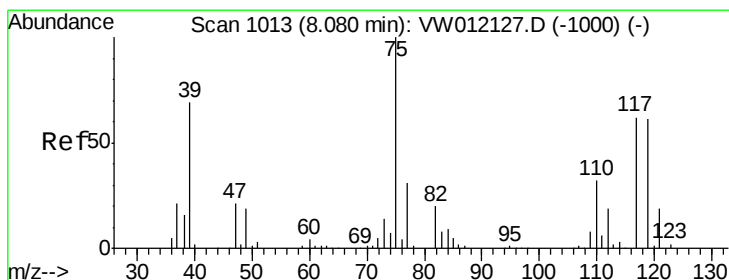
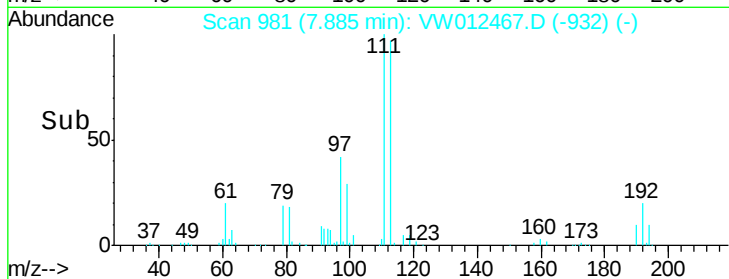
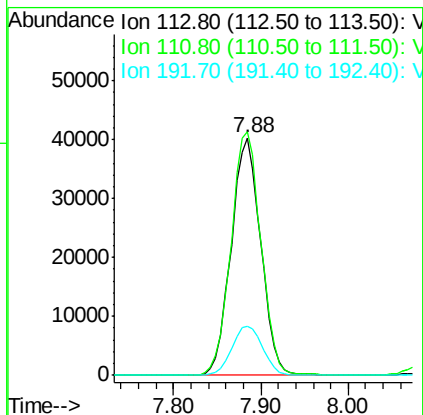
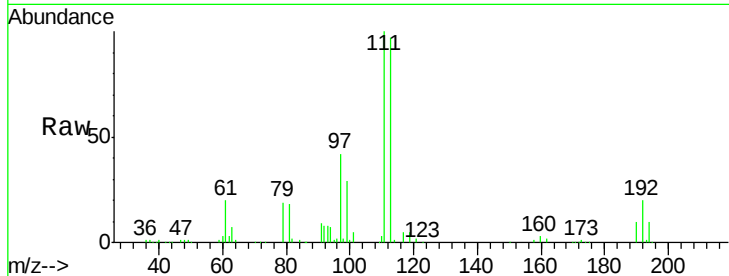
111 103.7 82.7 124.1

192 21.4 16.2 24.2

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#36

1,1-Dichloropropene

Concen: 20.361 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

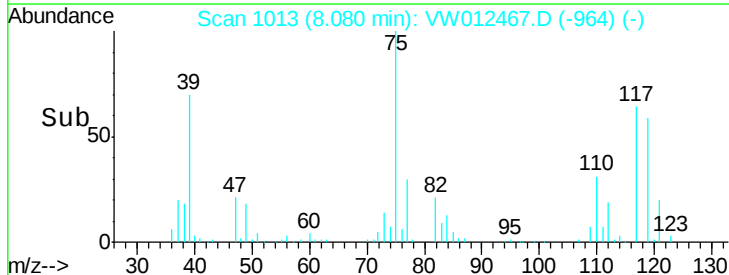
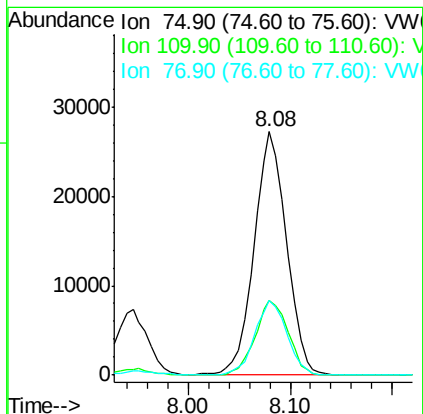
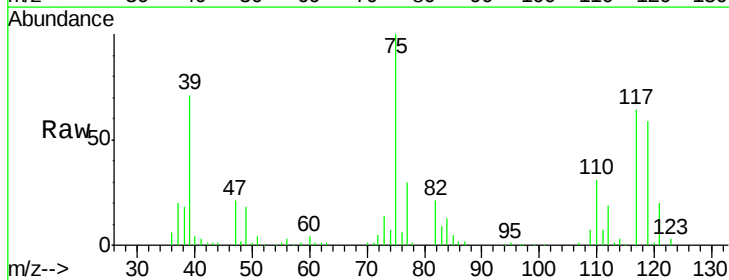
Tgt Ion: 75 Resp: 60272

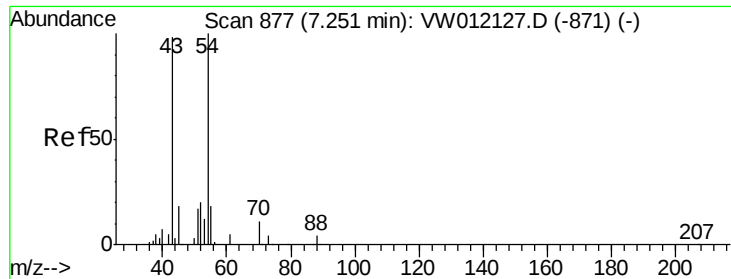
Ion Ratio Lower Upper

75 100

110 31.3 15.6 46.8

77 30.8 24.6 36.8





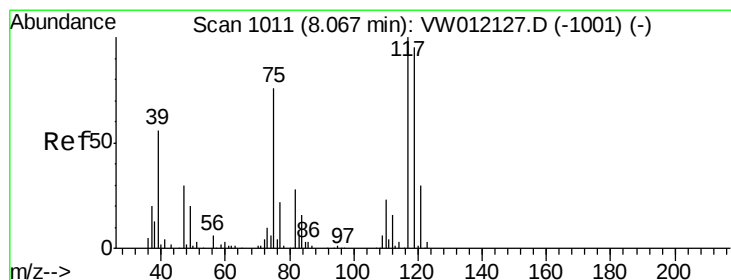
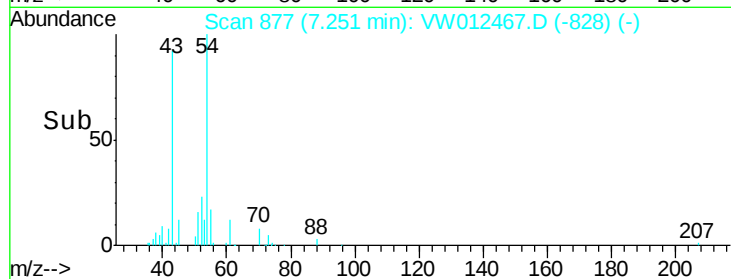
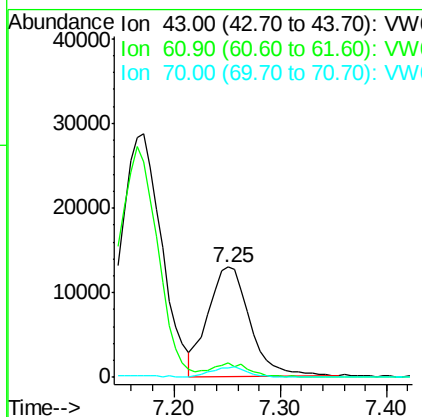
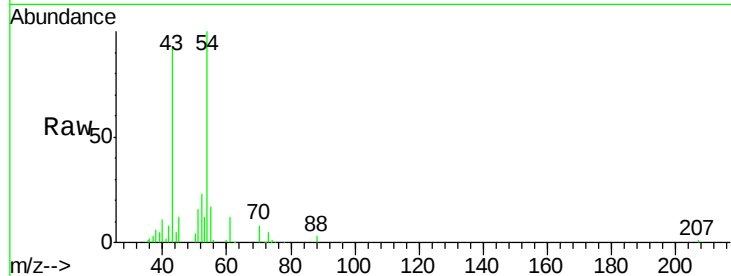
#37
Ethyl Acetate
Concen: 21.918 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.3	9.2	13.8	
70	8.3	6.9	10.3	

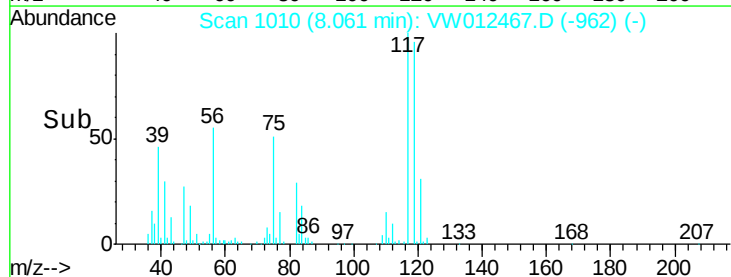
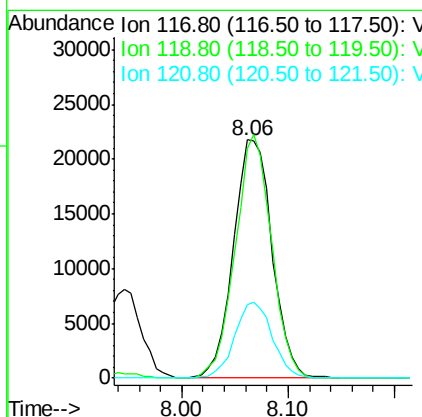
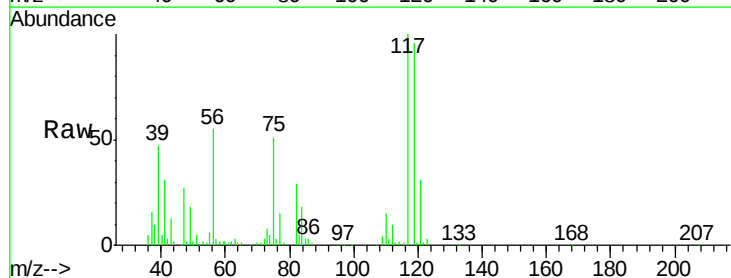
Manual Integrations
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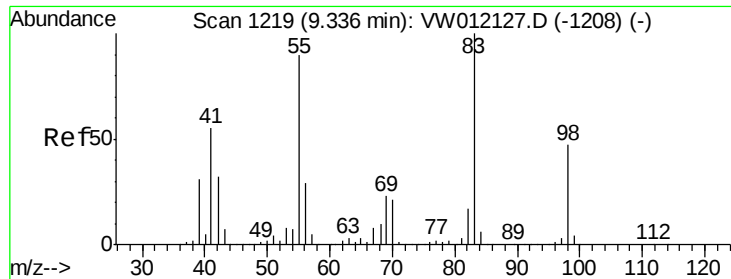
MMDadoda
9/3/2019 10:44:54 AM



#38
Carbon Tetrachloride
Concen: 21.723 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.0	76.2	114.2	
121	30.8	23.8	35.8	





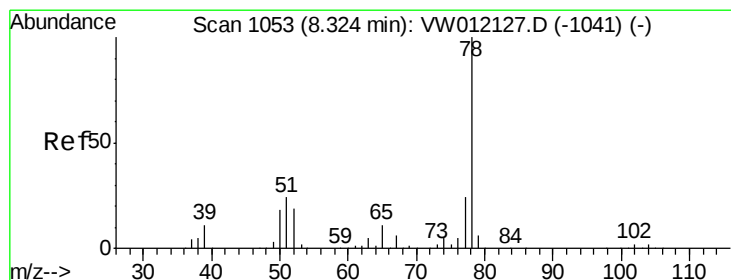
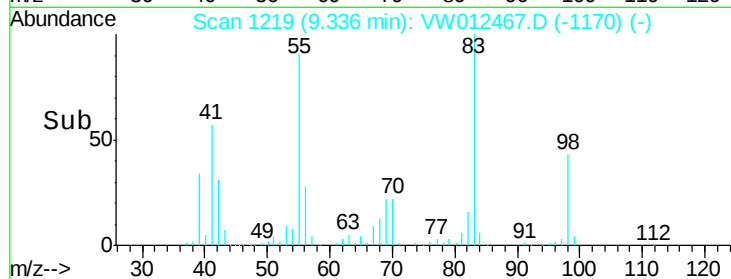
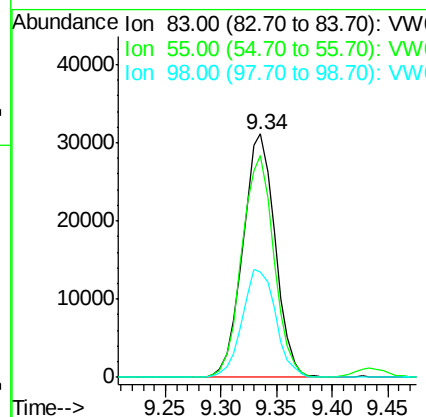
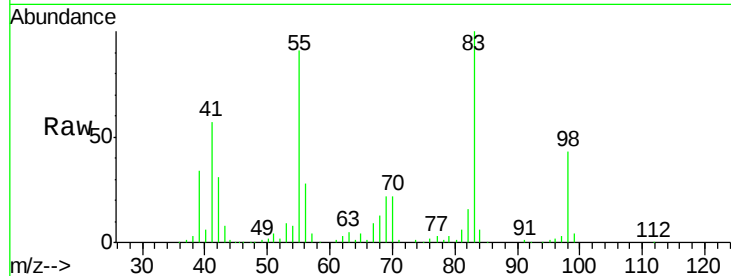
#39
Methvlcvclohexane
Concen: 18.876 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion	83	Resp	62775
Ion Ratio	100	Lower	Upper
83	100		
55	91.1	71.8	107.8
98	43.5	37.8	56.8

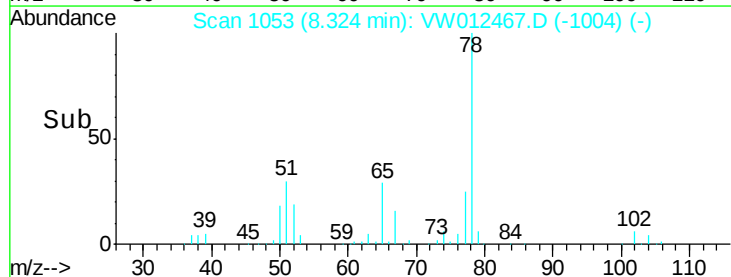
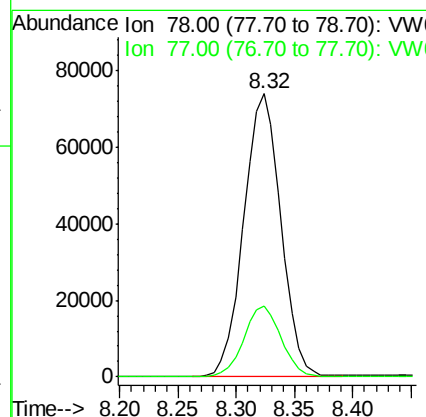
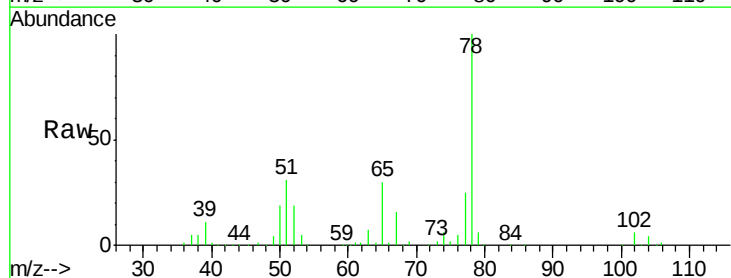
Manual Integrations
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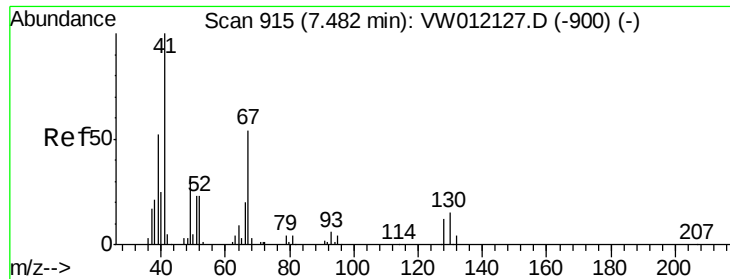
MMDadoda
9/3/2019 10:44:54 AM



#40
Benzene
Concen: 20.367 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	78	Resp	164632
Ion Ratio	100	Lower	Upper
78	100		
77	24.9	19.5	29.3





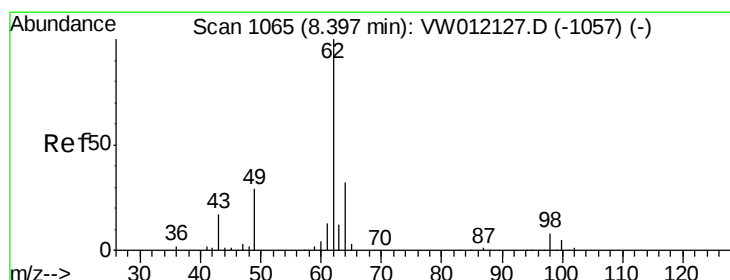
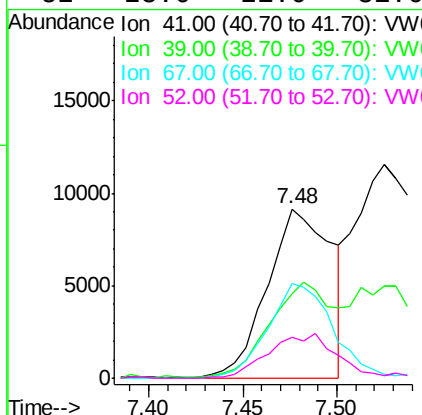
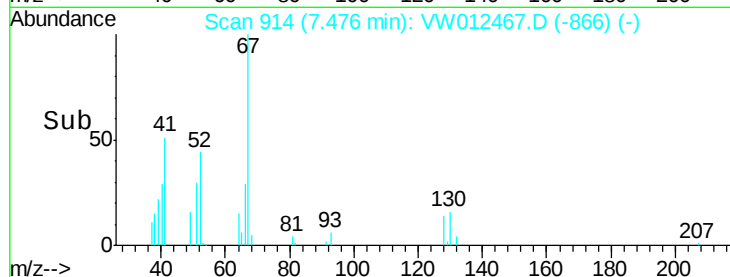
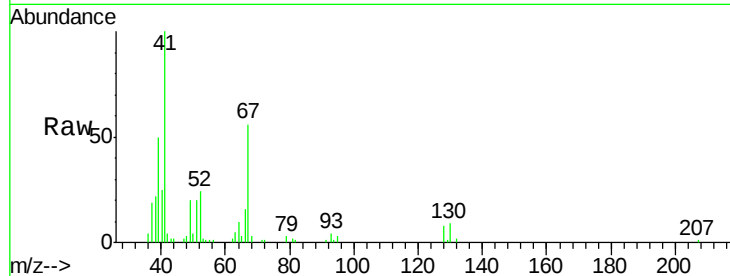
#41
Methacrylonitrile
Concen: 22.807 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	45.8	68.8	
67	57.1	46.2	69.4	
52	28.6	21.0	31.6	

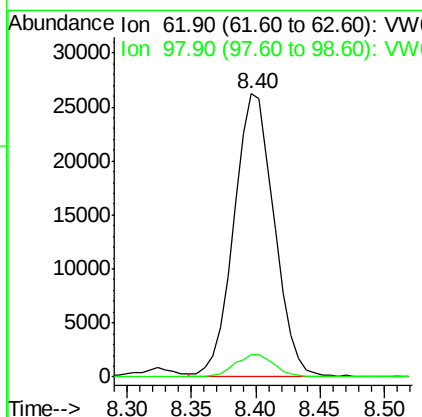
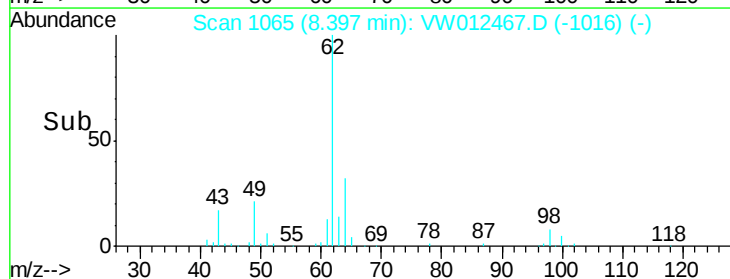
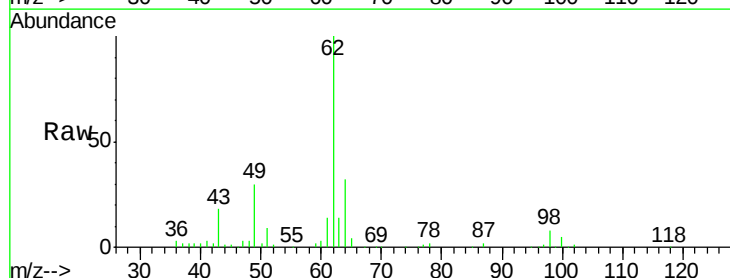
Manual Integrations
APPROVED

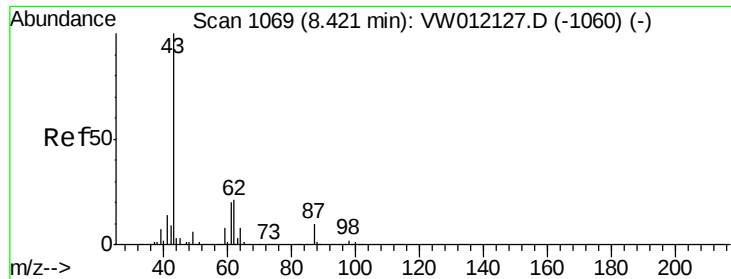
MMDadoda
9/3/2019 10:44:54 AM



#42
1,2-Dichloroethane
Concen: 22.413 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	16.6	





#43

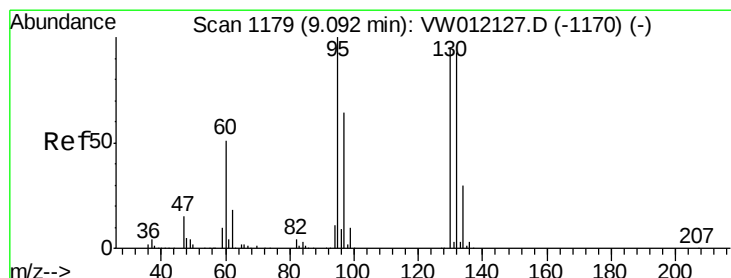
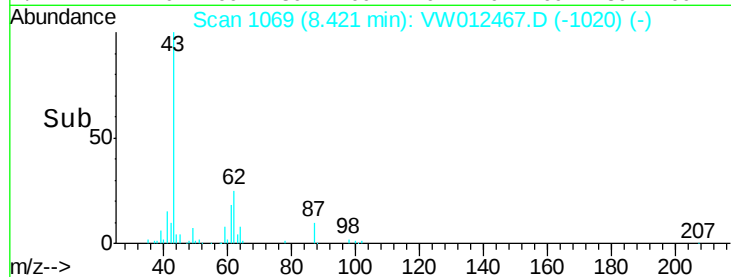
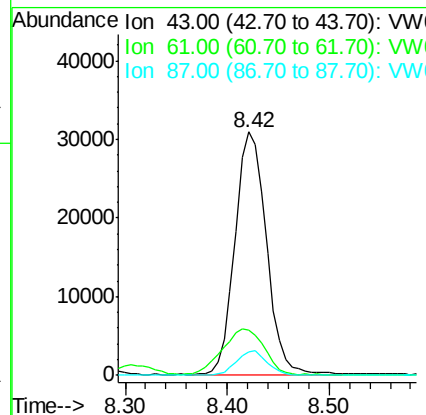
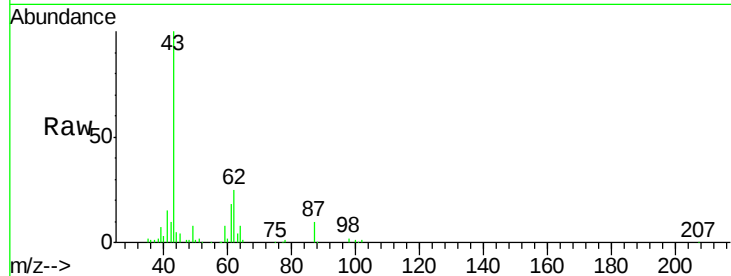
Isopropyl Acetate
 Concen: 21.932 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.1	31.7
87	10.0	8.2	12.2

Manual Integrations
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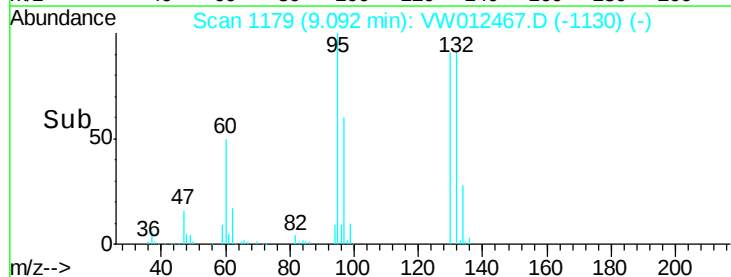
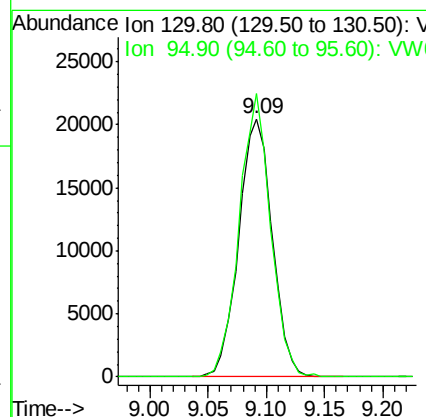
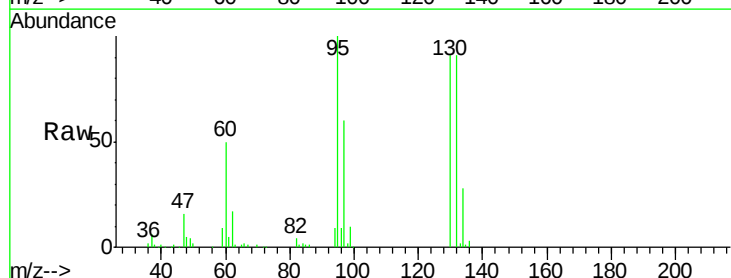
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 9/3/2019 10:44:54 AM

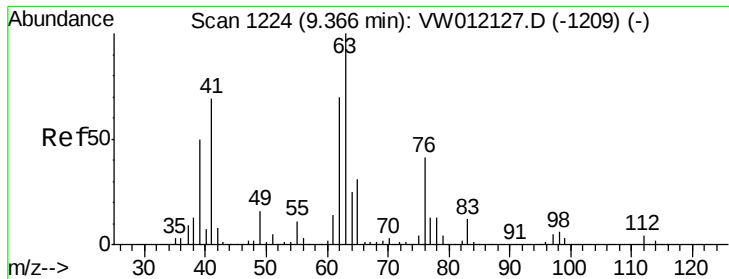


#44

Trichloroethene
 Concen: 20.881 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	210.6





#45

1,2-Dichloropropane

Concen: 20.440 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD02

Tot Ion: 63 Resp: 44466

Ion Ratio Lower Upper

63 100

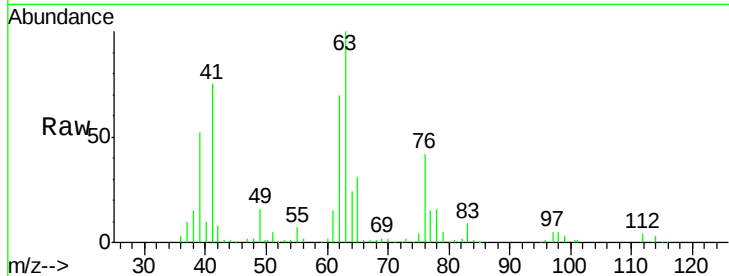
65 30.6 25.0 37.4

Manual Integrations

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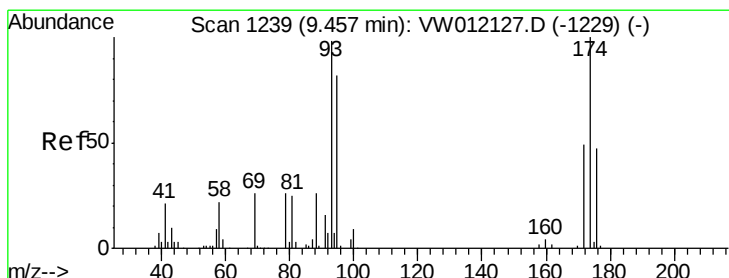
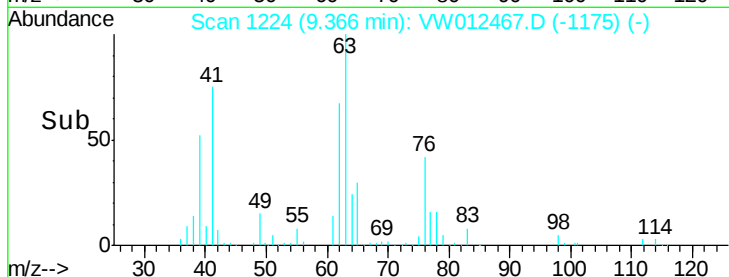
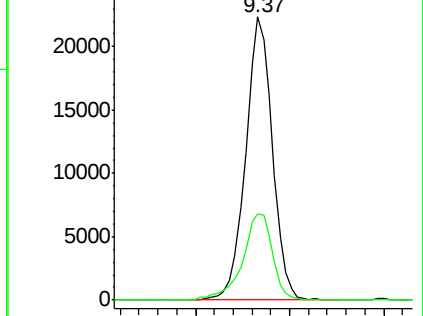
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.618 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

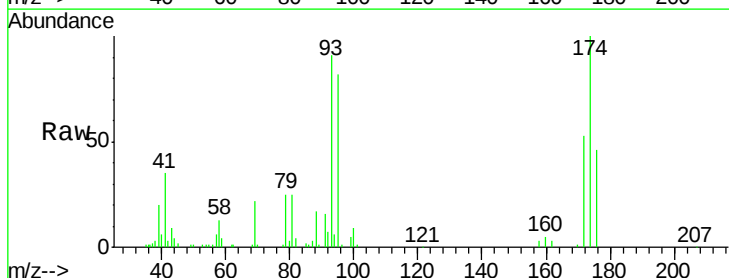
Tgt Ion: 93 Resp: 20924

Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

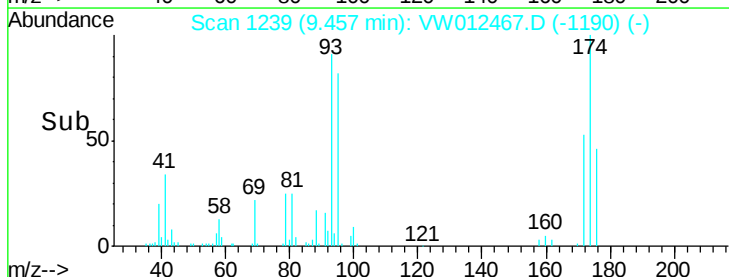
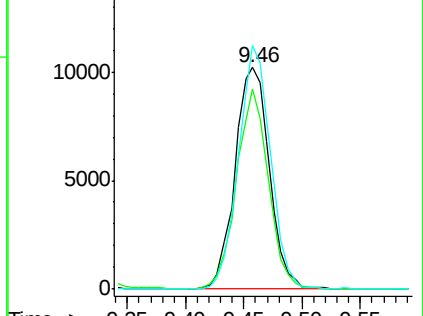
174 102.9 79.0 118.6

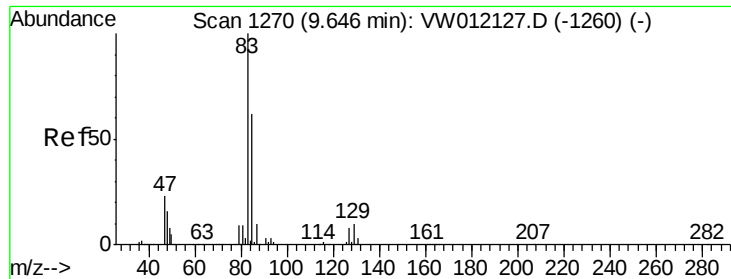


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.968 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

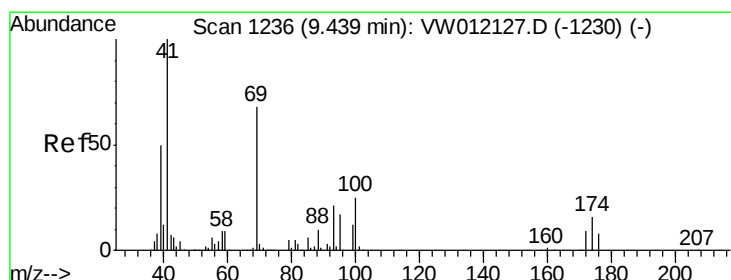
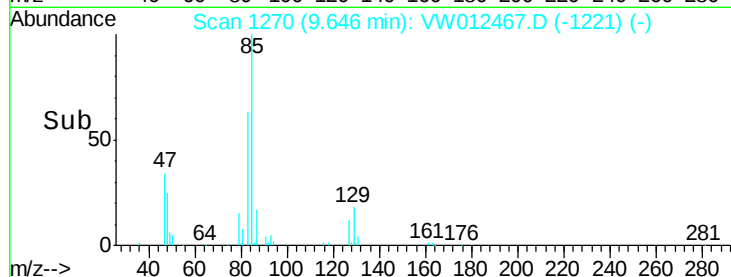
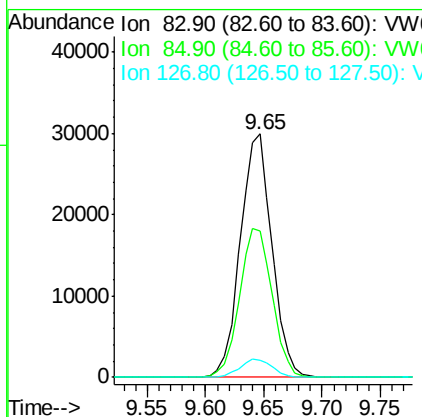
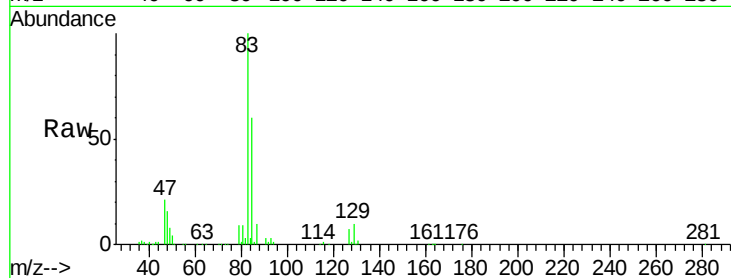
ClientSampleId :

VW0901SBSD02

Tot Ion:	83	Resp:	56589
Ion	Ratio	Lower	Upper
83	100		
85	59.9	49.4	74.2
127	7.2	6.1	9.1

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#48

Methyl methacrylate

Concen: 21.736 ug/l

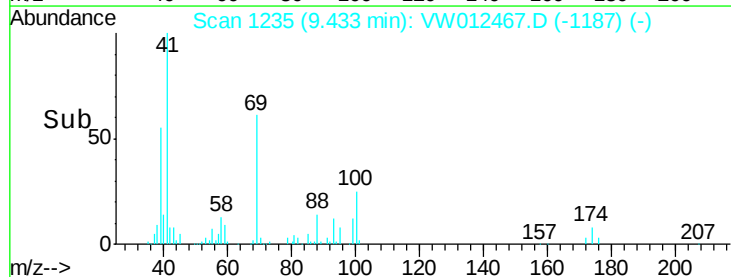
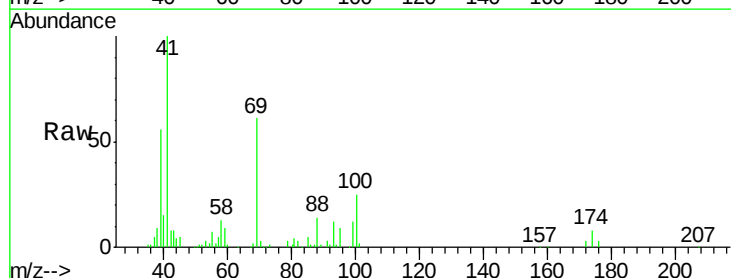
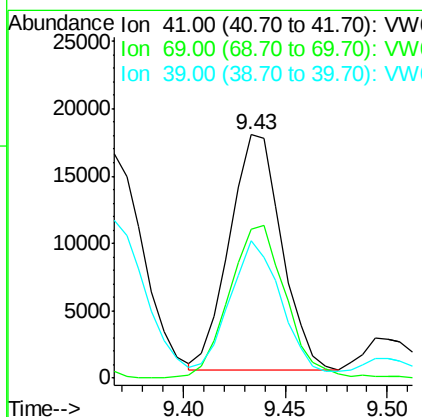
RT: 9.43 min Scan# 1235

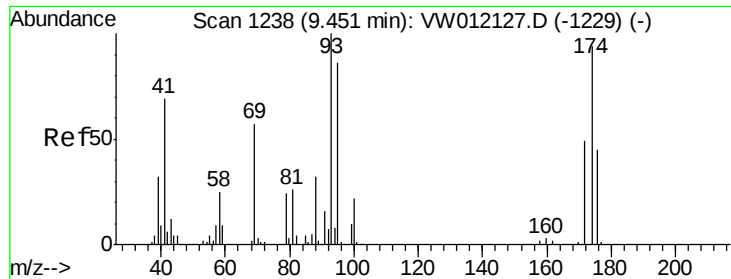
Delta R.T. -0.01 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tgt Ion:	41	Resp:	31085
Ion	Ratio	Lower	Upper
41	100		
69	70.5	56.7	85.1
39	58.8	42.0	63.0





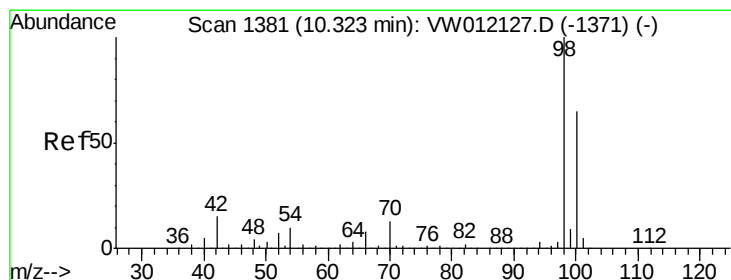
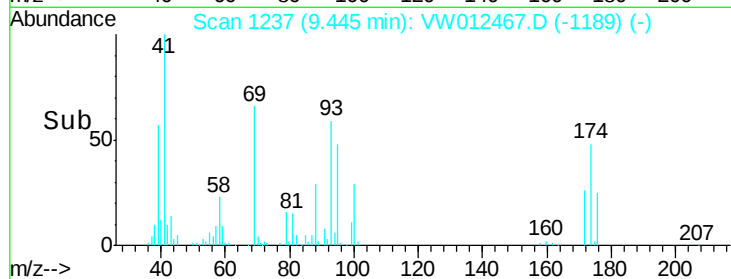
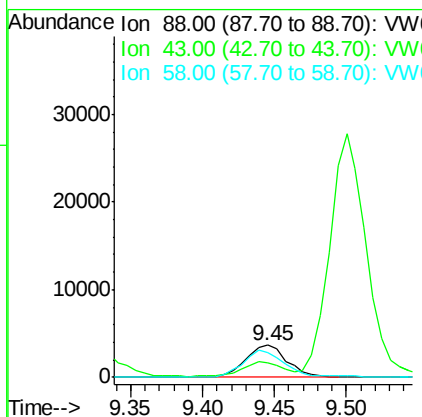
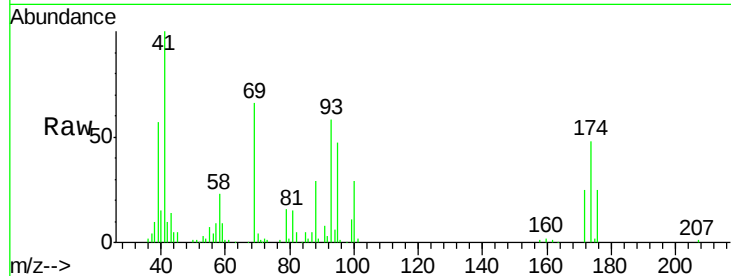
#49
1,4-Dioxane
Concen: 488.071 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion	88	Resp	7232
Ion	Ratio	Lower	Upper
88	100		
43	44.4	32.9	49.3
58	85.2	71.0	106.4

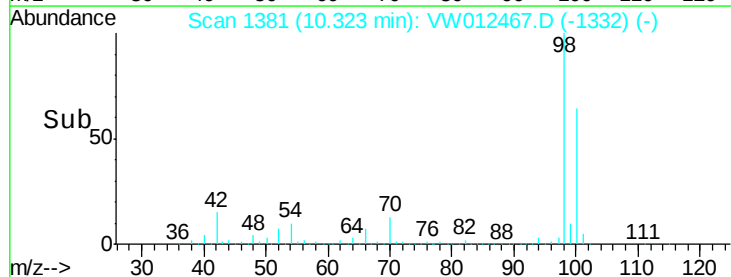
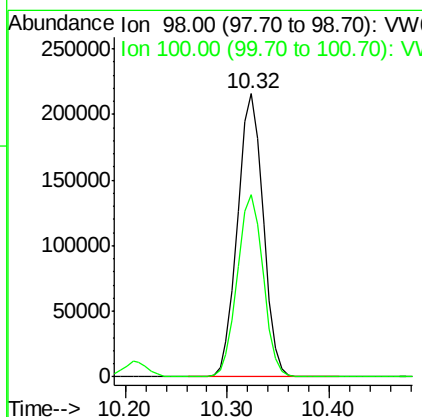
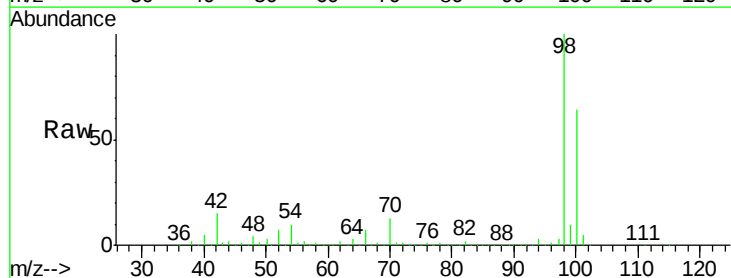
Manual Integrations
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#50
Toluene-d8
Concen: 54.092 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	98	Resp	375024
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.4	78.6





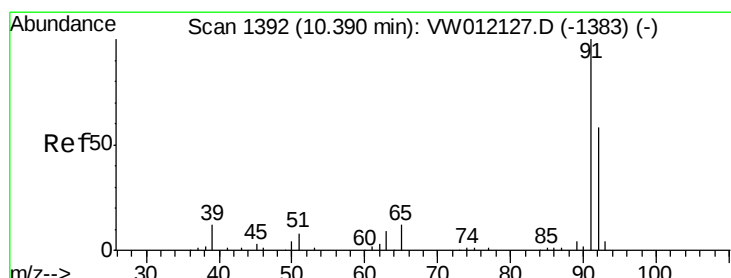
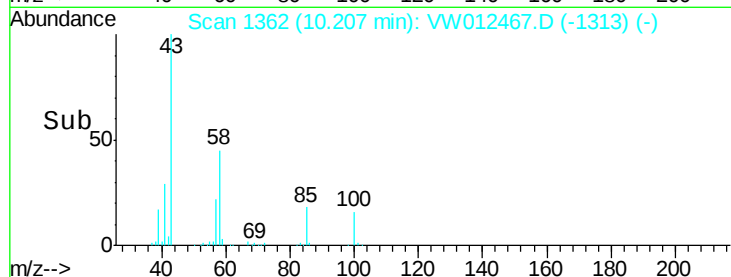
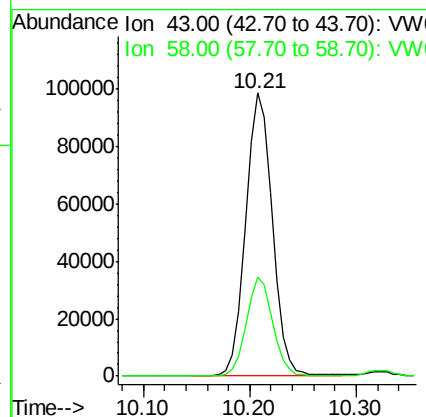
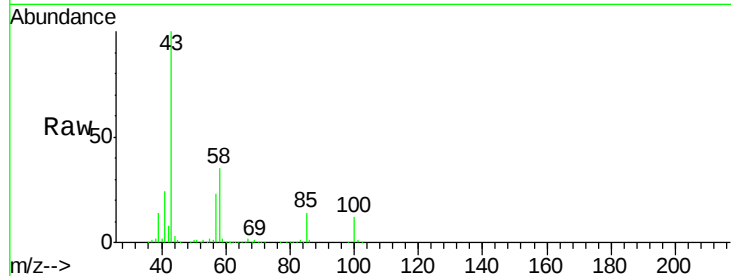
#51
4-Methyl-2-Pentanone
Concen: 113.779 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion: 43 Resp: 173890
Ion Ratio Lower Upper
43 100
58 34.7 28.2 42.2

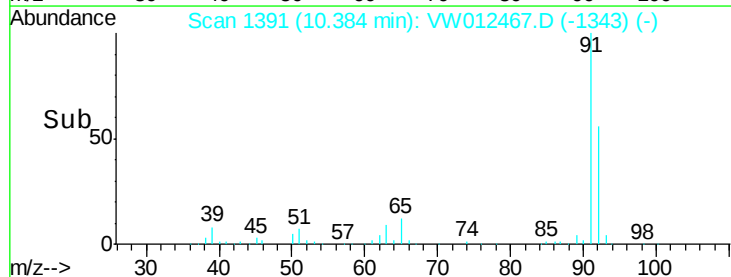
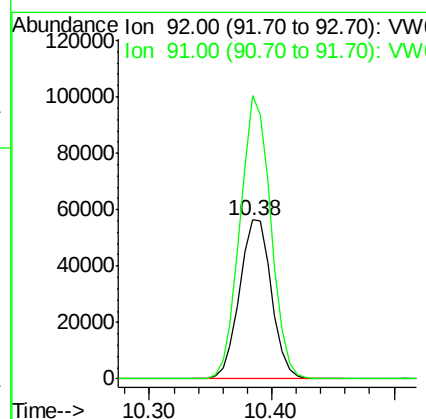
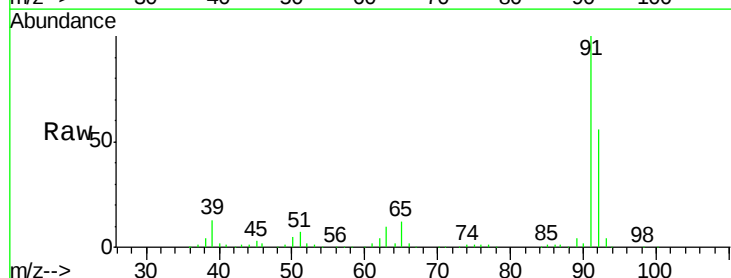
Manual Integrations
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#52
Toluene
Concen: 20.912 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion: 92 Resp: 101548
Ion Ratio Lower Upper
92 100
91 172.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.883 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampled :

VW0901SBSD02

Tot Ion: 75 Resp: 54797

Ion Ratio Lower Upper

75 100

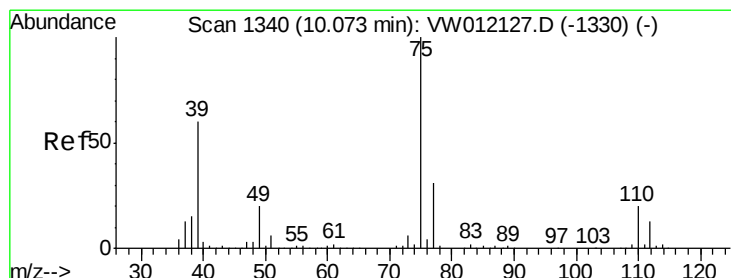
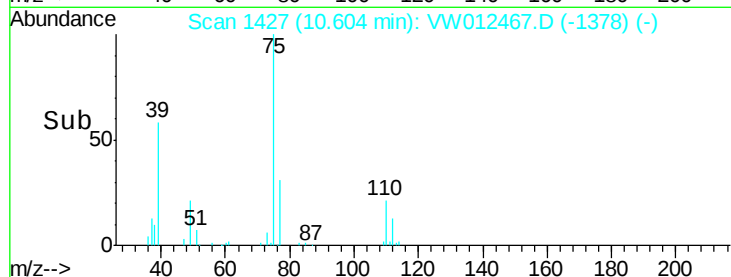
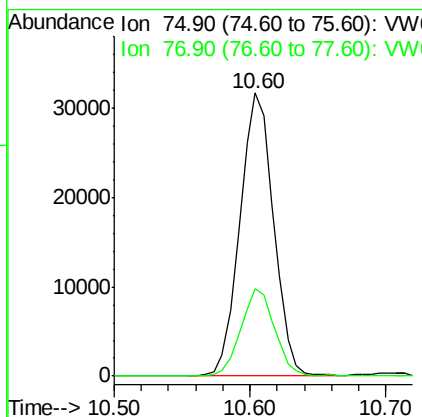
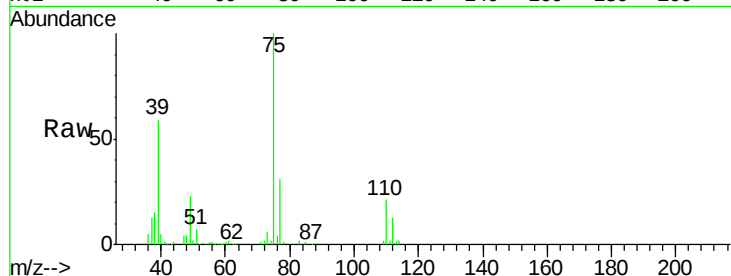
77 31.1 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.054 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

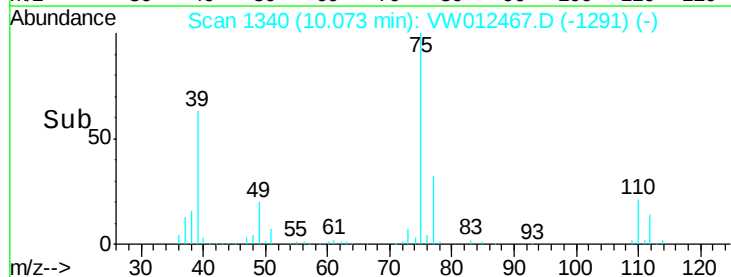
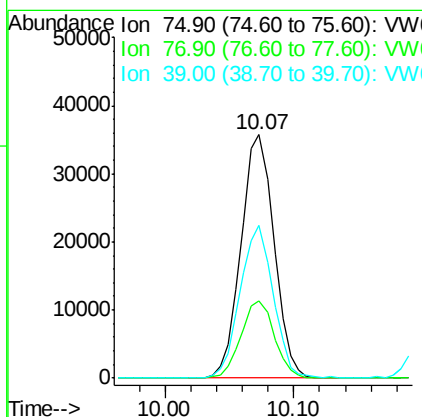
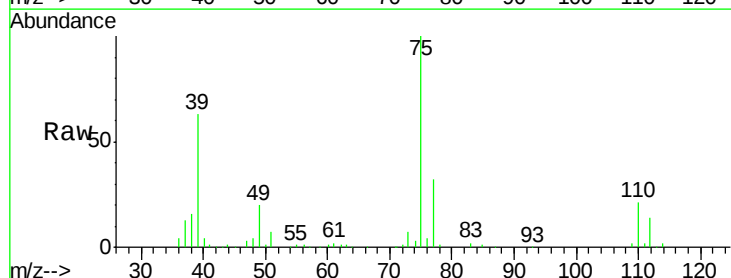
Tgt Ion: 75 Resp: 63538

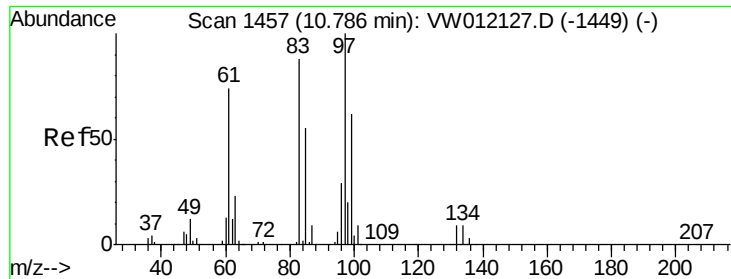
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 62.5 48.3 72.5





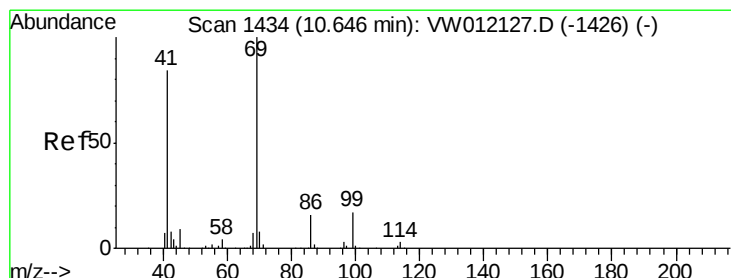
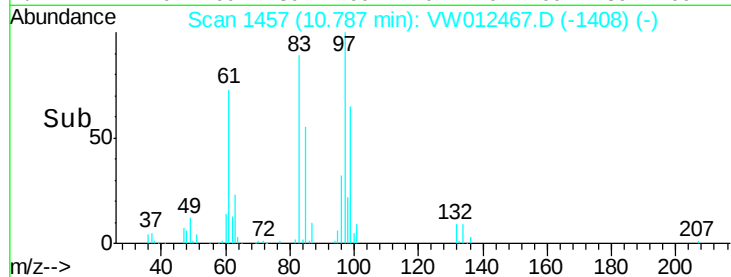
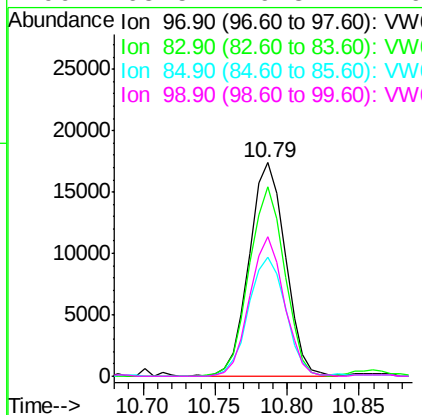
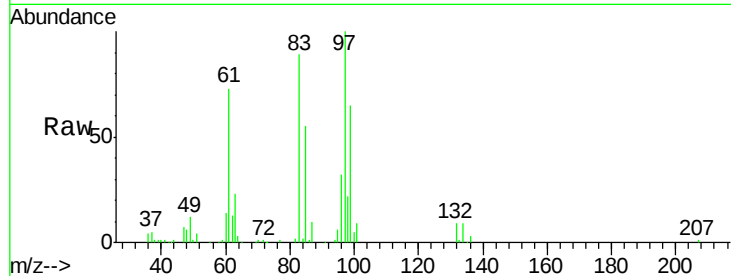
#55
 1,1,2-Trichloroethane
 Concen: 21.901 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD02

Tot Ion:	97	Resp:	29992
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.8	106.2
85	55.7	43.8	65.8
99	65.5	49.8	74.6

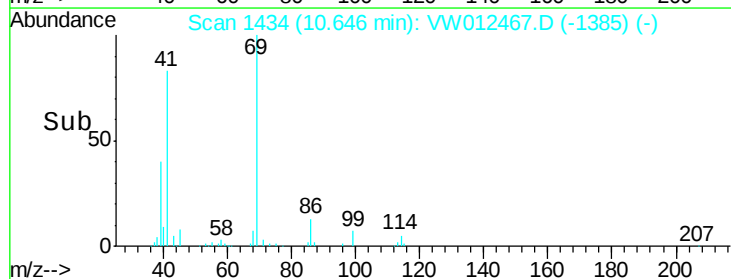
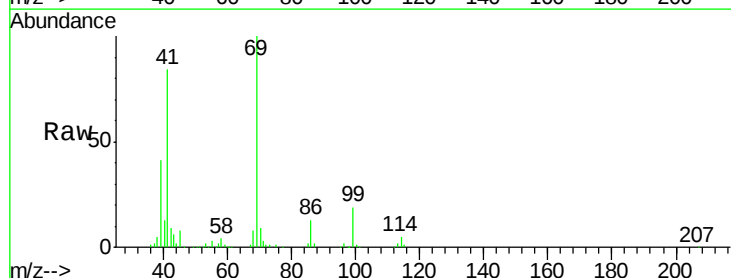
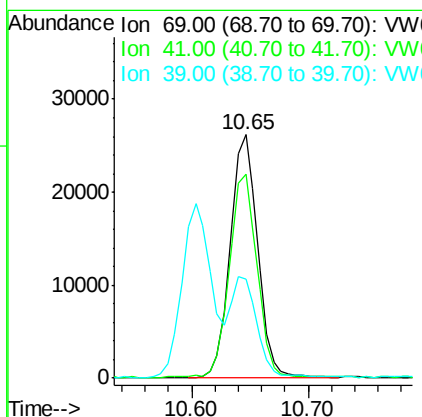
Manual Integrations
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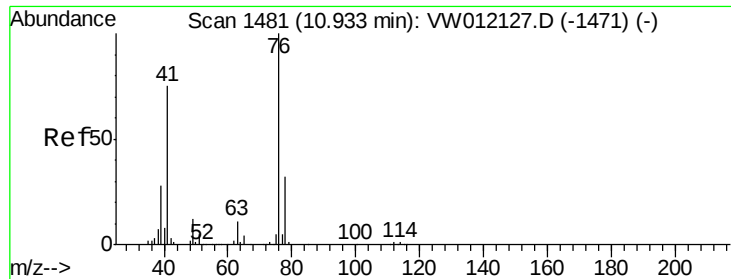
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#56
 Ethyl methacrylate
 Concen: 21.715 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion:	69	Resp:	43280
Ion	Ratio	Lower	Upper
69	100		
41	85.8	66.5	99.7
39	38.3	31.0	46.4





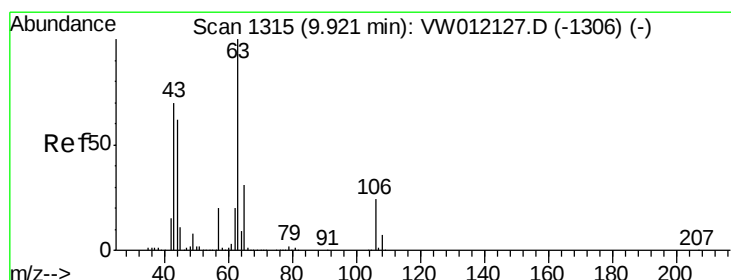
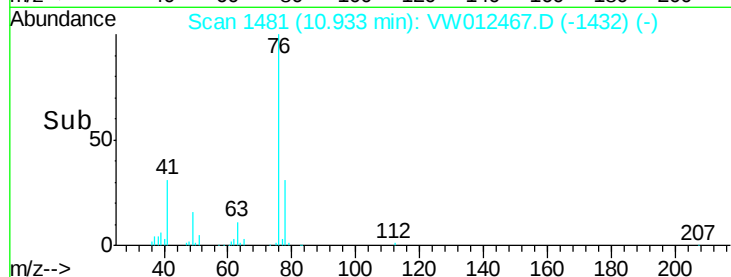
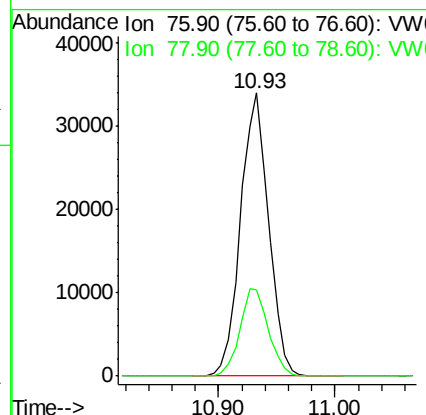
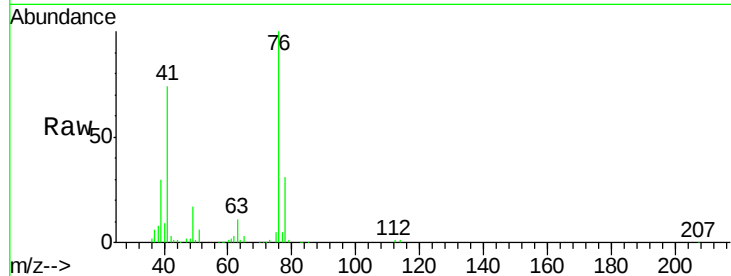
#57
 1,3-Dichloropropane
 Concen: 22.040 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD02

Tot Ion: 76 Resp: 57037
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.8

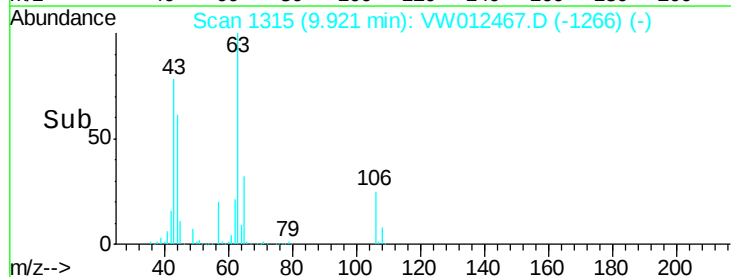
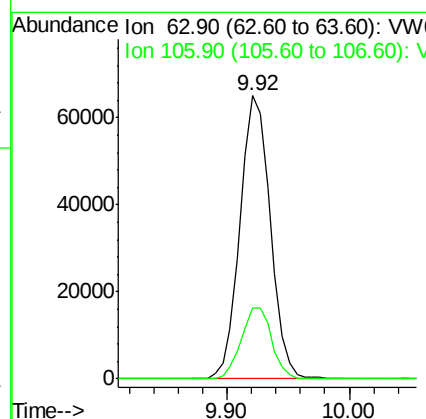
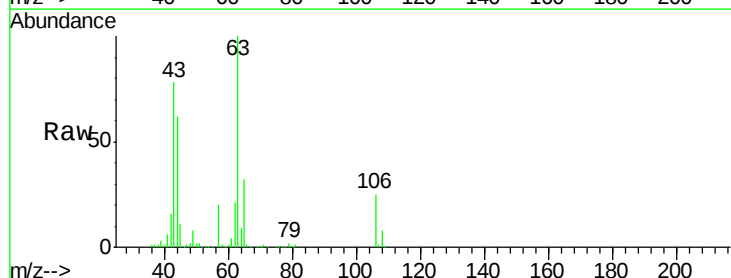
Manual Integrations
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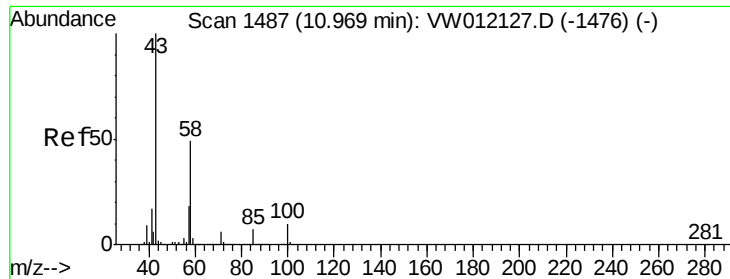
MMDadoda
 9/3/2019 10:44:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.289 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion: 63 Resp: 111794
 Ion Ratio Lower Upper
 63 100
 106 25.3 19.8 29.8





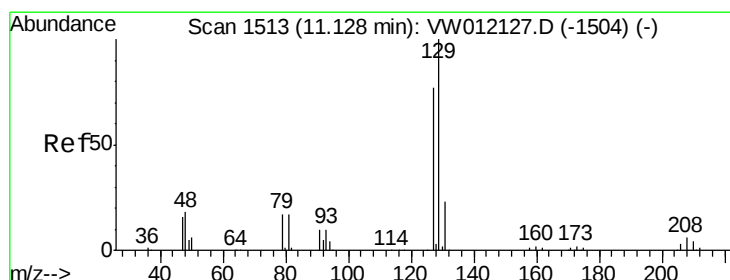
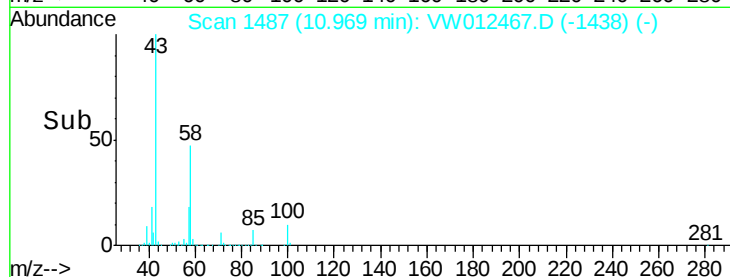
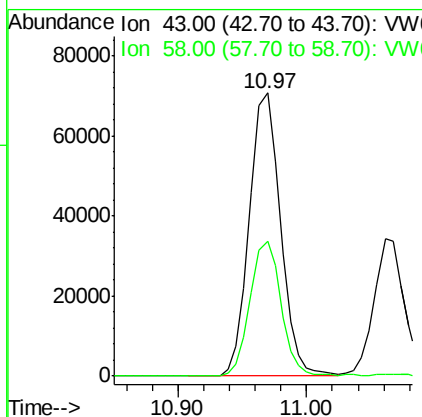
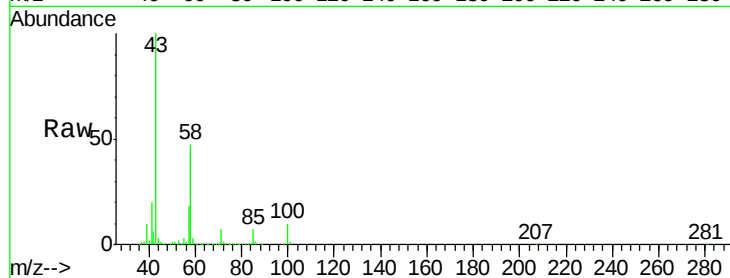
#59
2-Hexanone
Concen: 109.628 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBS02

Tot Ion: 43 Resp: 118549
Ion Ratio Lower Upper
43 100
58 47.2 24.3 72.9

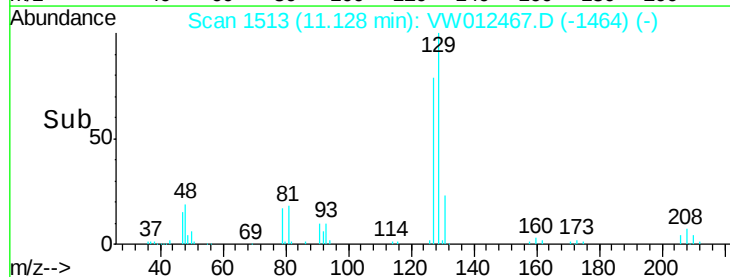
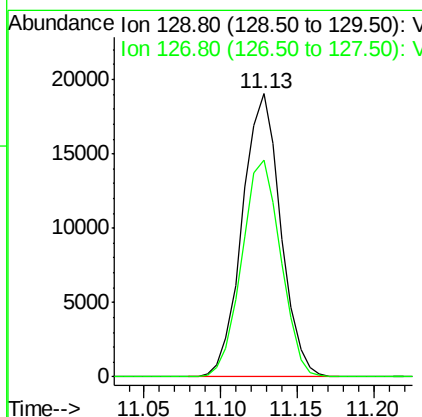
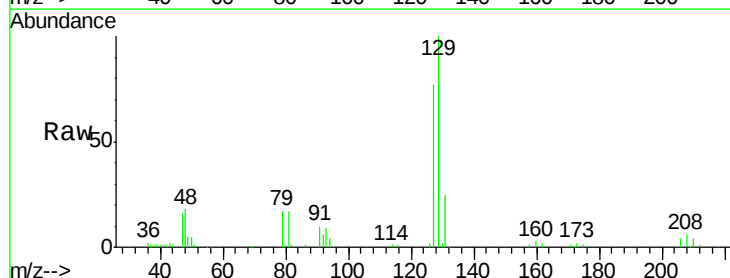
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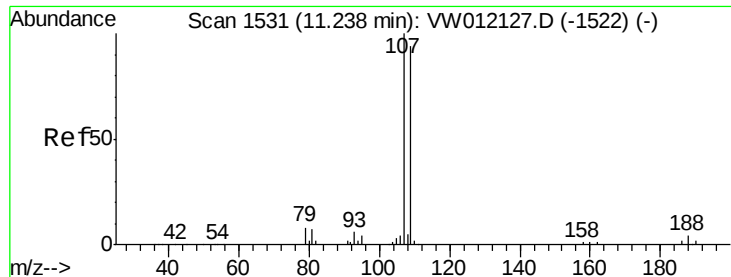
MMDadoda
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#60
Dibromochloromethane
Concen: 21.745 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion: 129 Resp: 33169
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





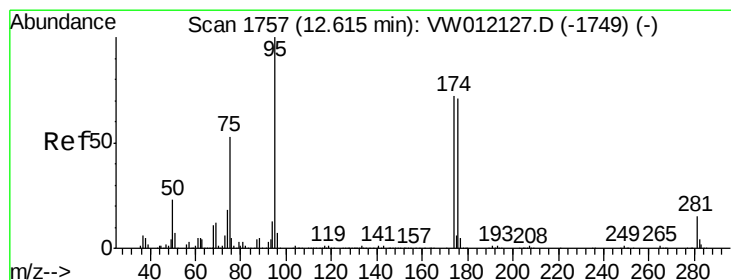
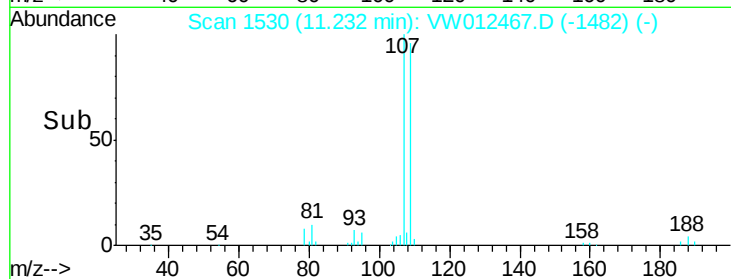
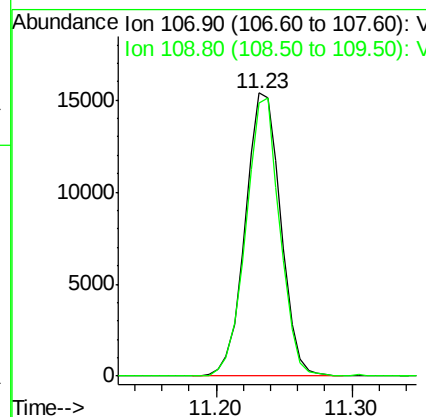
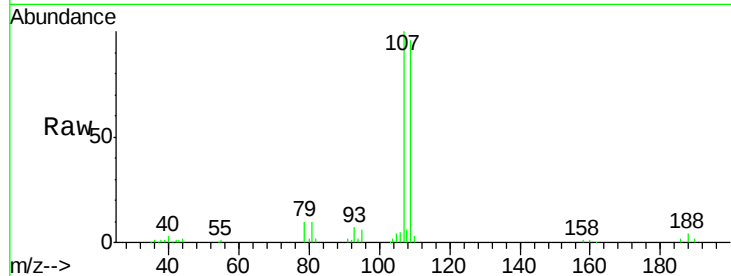
#61
 1,2-Dibromoethane
 Concen: 21.953 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.2

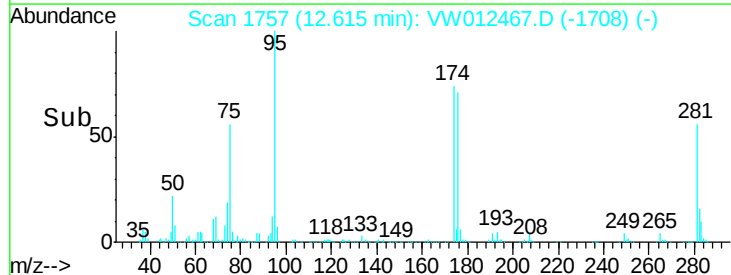
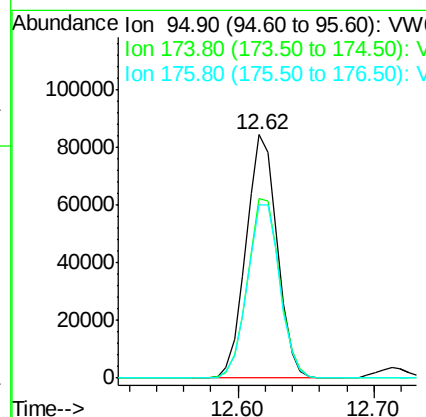
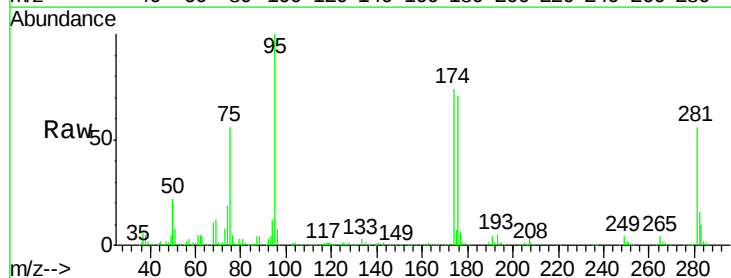
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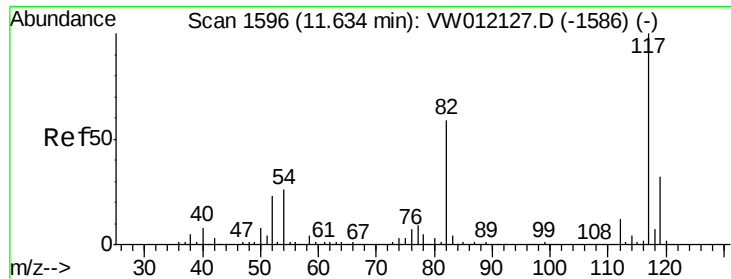
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#62
 4-Bromofluorobenzene
 Concen: 55.450 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	150.8
176	74.5	0.0	148.6





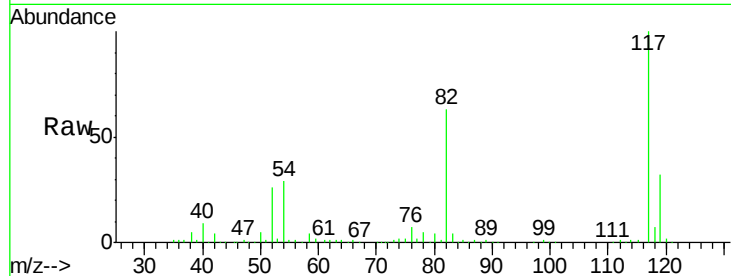
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

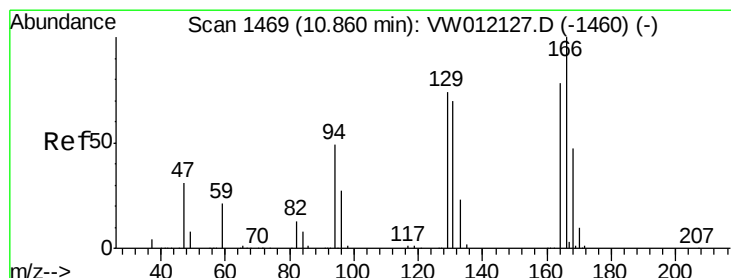
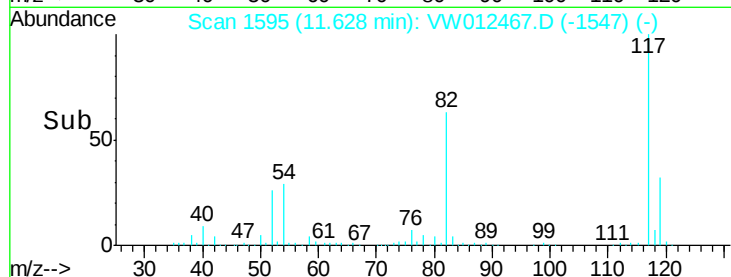
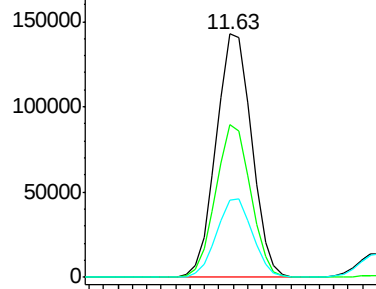
Tot Ion	Ratio	Resp	Lower	Upper
117	100	244349		
82	62.5	47.4	71.2	
119	31.9	25.4	38.2	

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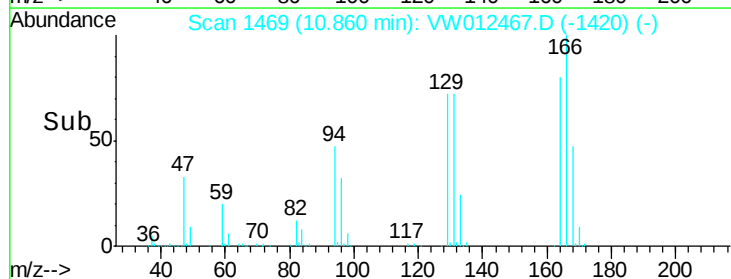
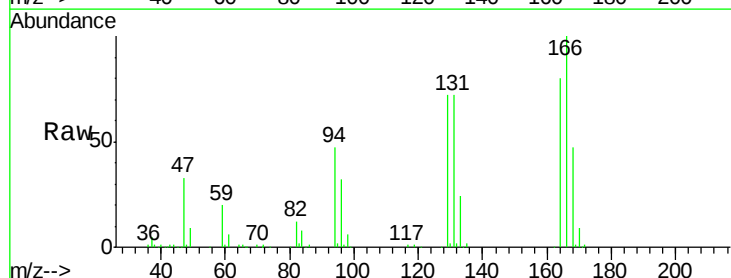
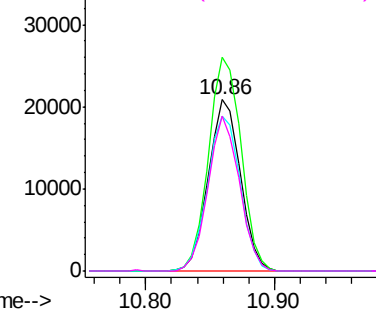
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

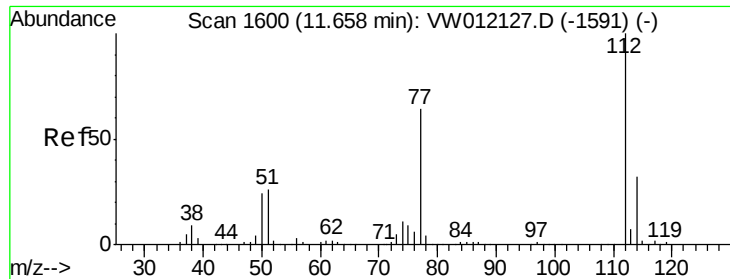


#64
Tetrachloroethene
Concen: 22.754 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36047		
166	124.6	102.4	153.6	
129	90.2	75.8	113.6	
131	90.2	71.4	107.2	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





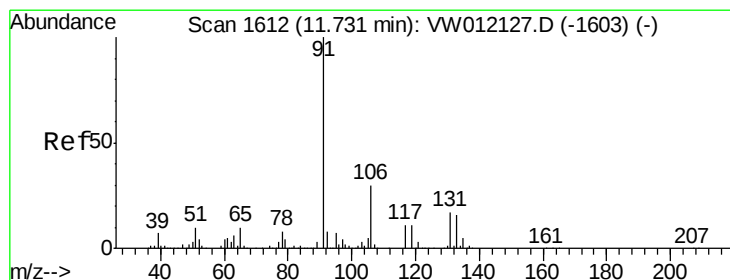
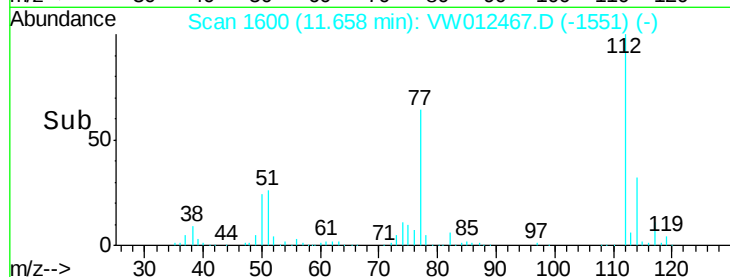
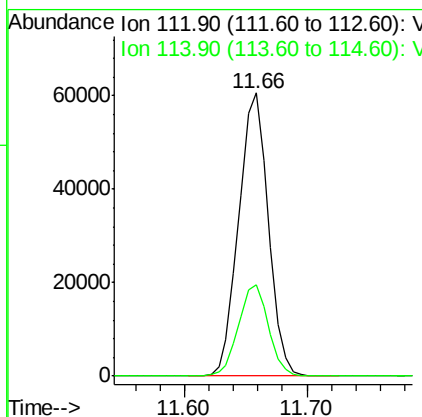
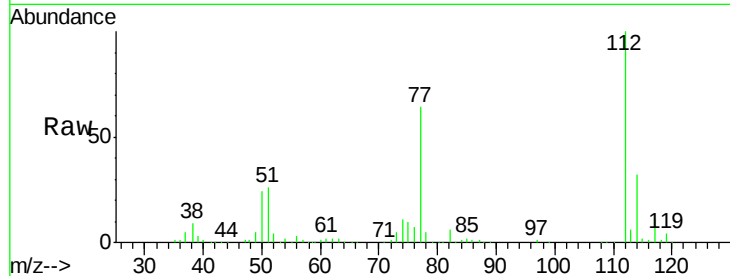
#65
Chlorobenzene
Concen: 21.144 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion:112 Resp: 101734
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

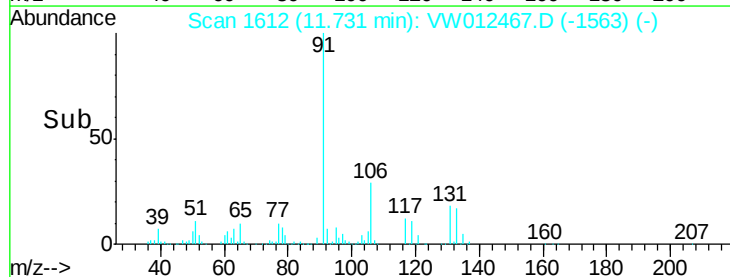
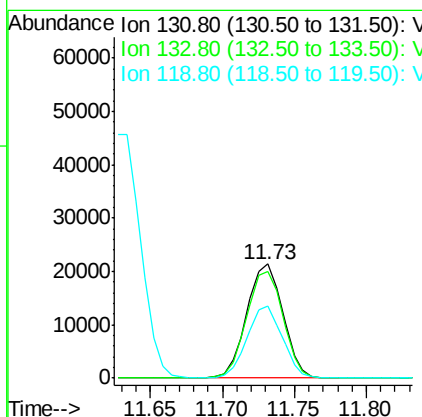
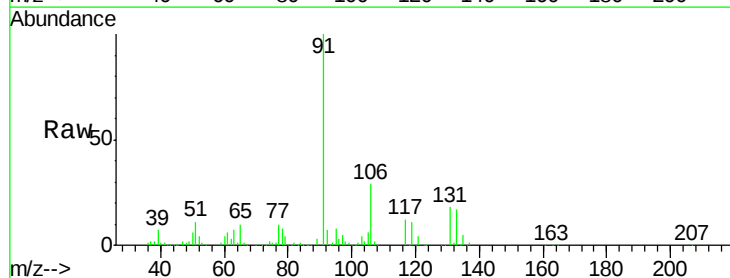
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.206 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion:131 Resp: 37273
Ion Ratio Lower Upper
131 100
133 94.6 47.1 141.3
119 62.1 31.8 95.3





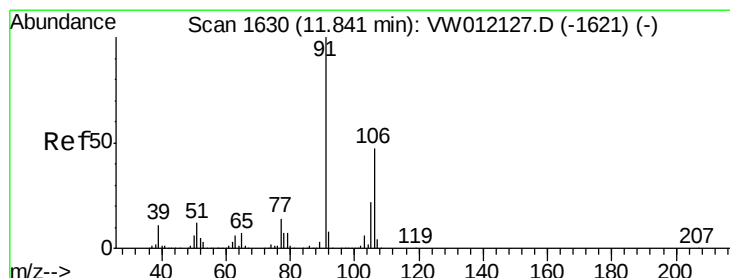
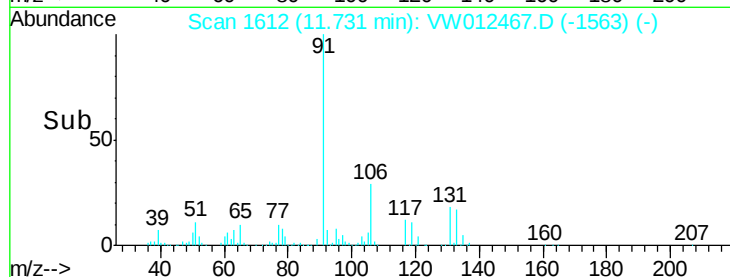
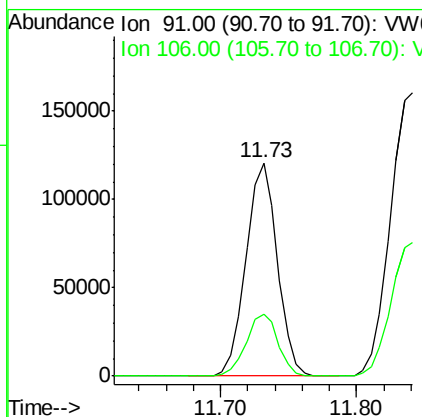
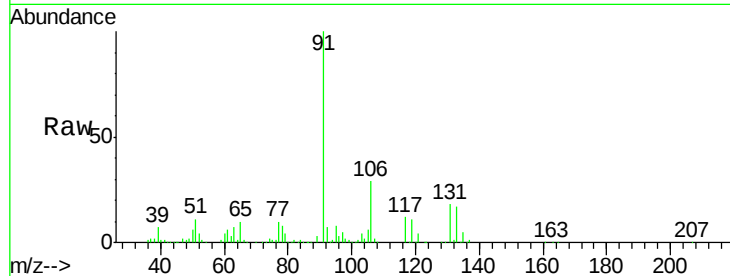
#67
Ethyl Benzene
Concen: 21.002 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD02

Tot Ion: 91 Resp: 194659
Ion Ratio Lower Upper
91 100
106 29.1 24.3 36.5

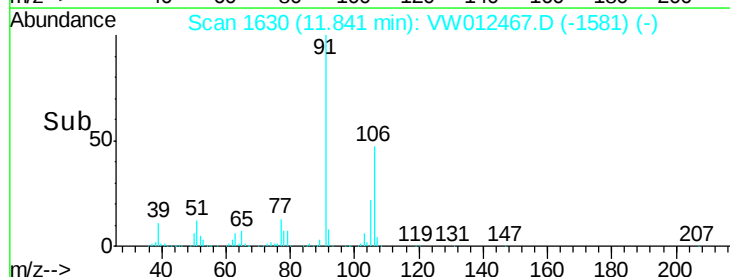
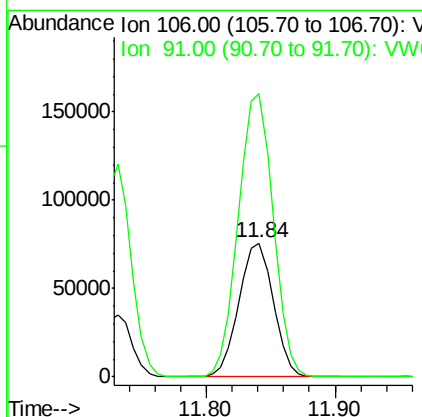
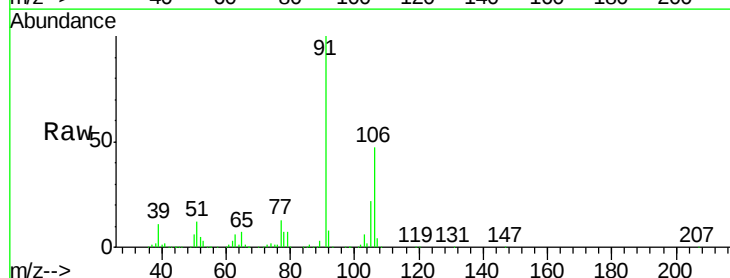
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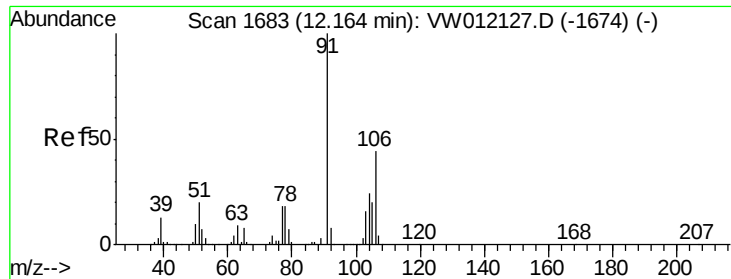
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#68
m/p-Xylenes
Concen: 42.176 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion: 106 Resp: 140808
Ion Ratio Lower Upper
106 100
91 213.2 169.5 254.3





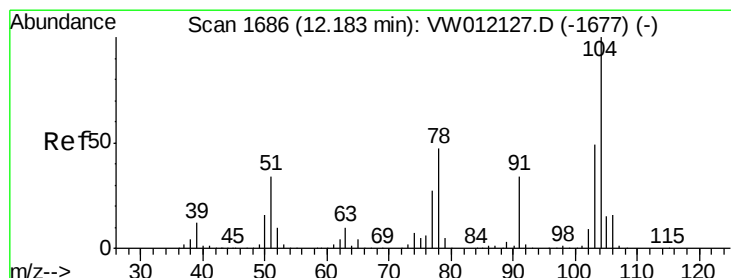
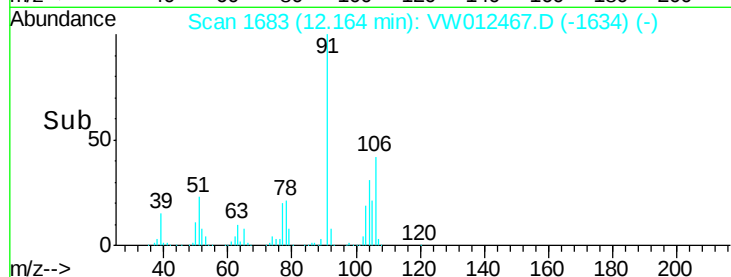
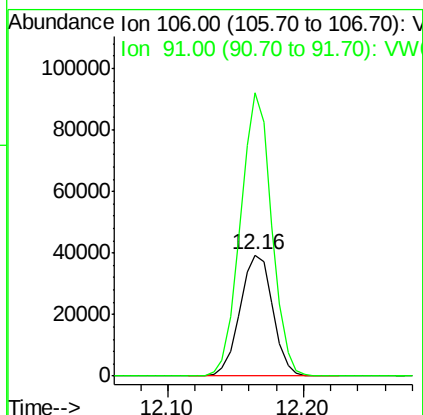
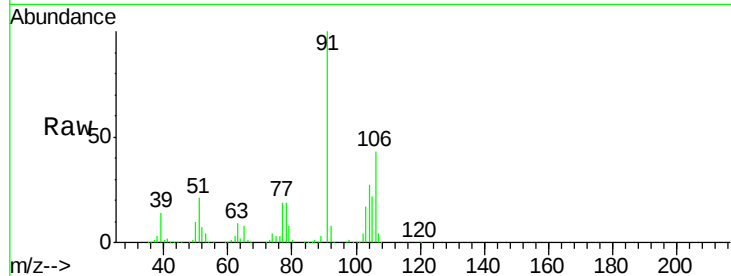
#69
o-Xylene
Concen: 21.349 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampled :
VW0901SBSD02

Tot Ion:106 Resp: 65969
Ion Ratio Lower Upper
106 100
91 223.9 111.6 334.6

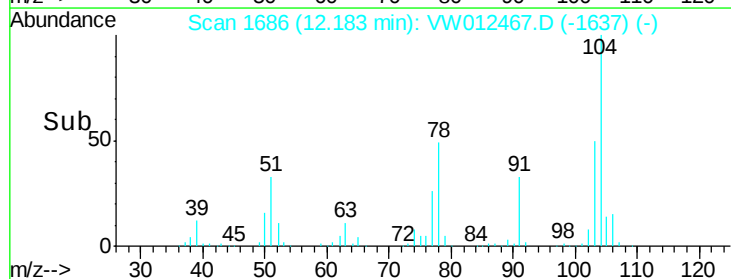
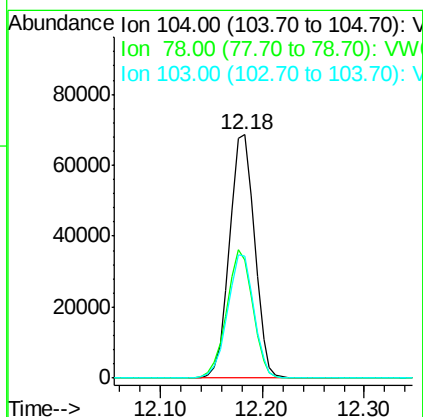
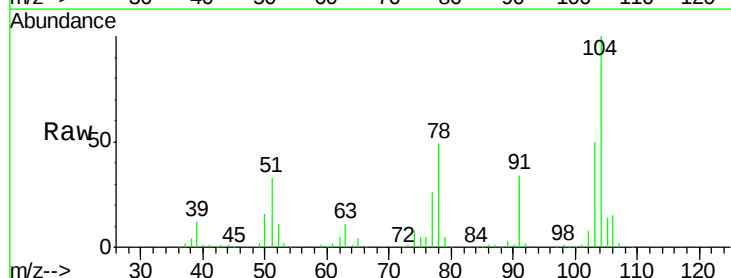
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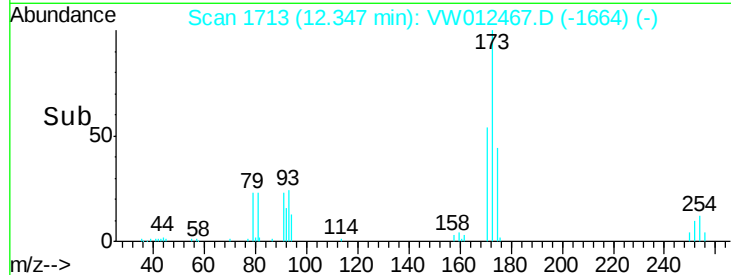
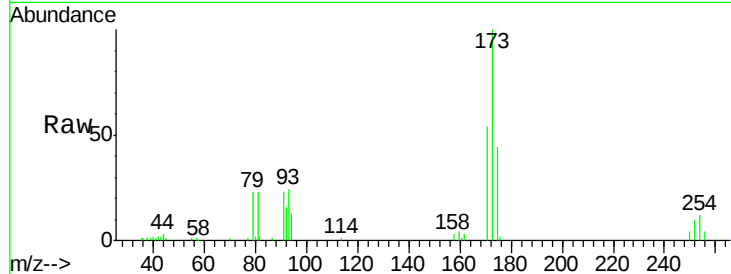
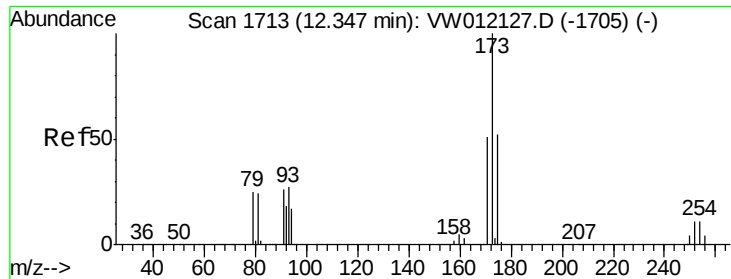
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#70
Styrene
Concen: 21.819 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion:104 Resp: 116696
Ion Ratio Lower Upper
104 100
78 54.6 43.1 64.7
103 53.2 43.5 65.3





#71

Bromoform

Concen: 23.335 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tot Ion:173	Resp:	19515
Ion Ratio	Lower	Upper
173 100		
175 46.9	24.6	74.0
254 0.2	0.2	0.2

Instrument :

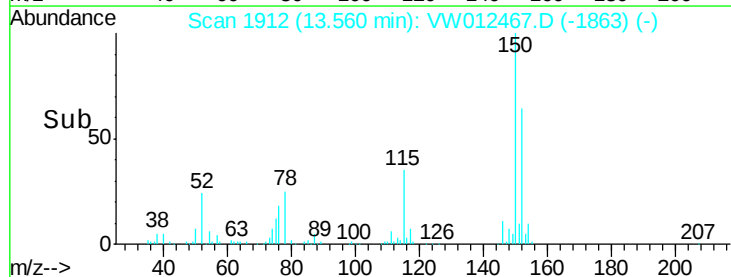
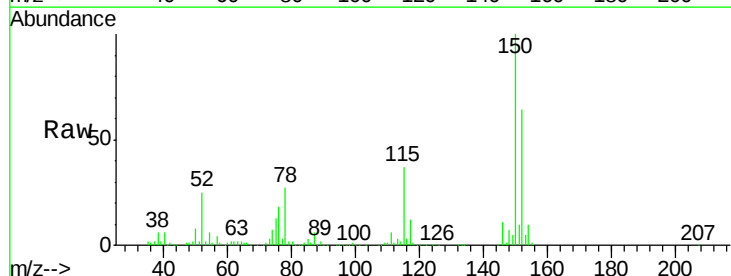
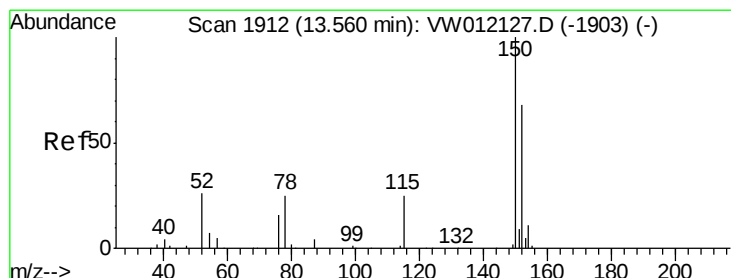
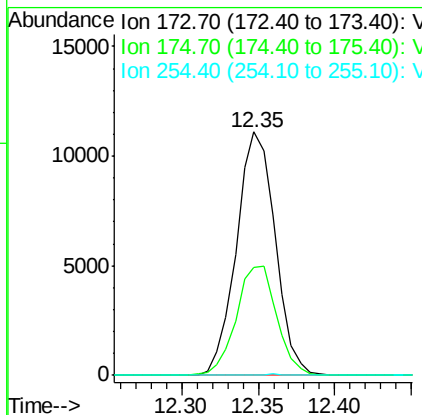
MSVOA_W

ClientSampleId :

VW0901SBSD02

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

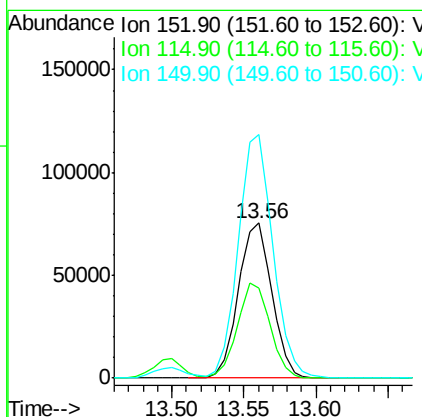
RT: 13.56 min Scan# 1912

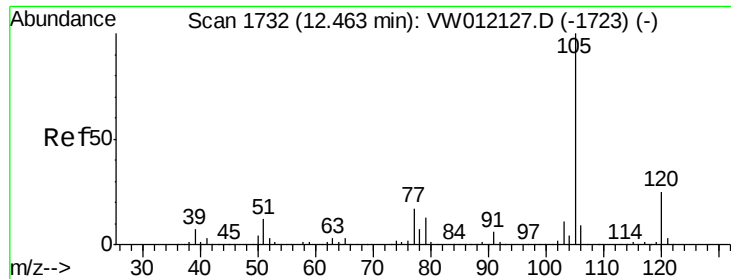
Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tgt Ion:152	Resp:	121308
Ion Ratio	Lower	Upper
152 100		
115 59.9	30.1	90.3
150 162.8	0.0	345.8





#73

Isopropylbenzene

Concen: 20.397 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD02

Tot Ion:105 Resp: 185404

Ion Ratio Lower Upper

105 100

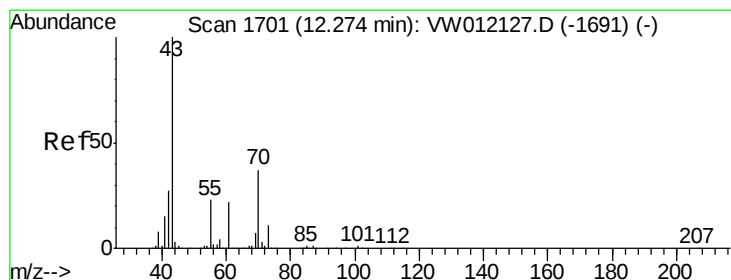
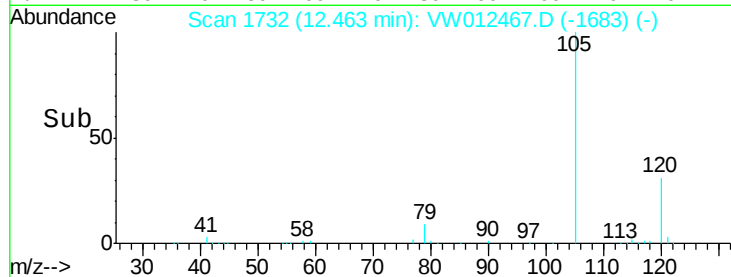
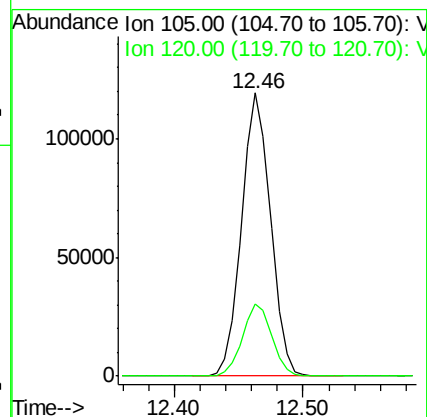
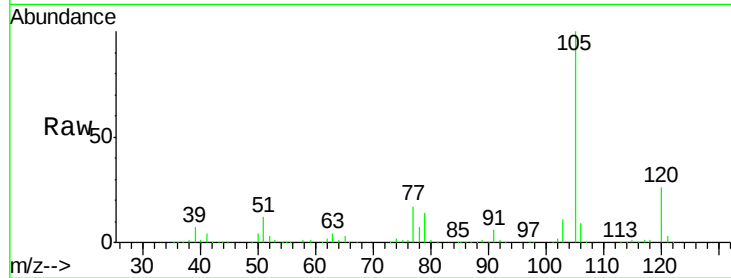
120 25.6 12.5 37.5

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#74

N-ethyl acetate

Concen: 21.681 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tgt Ion: 43 Resp: 59542

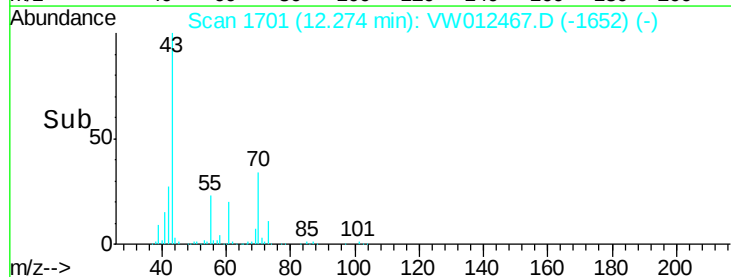
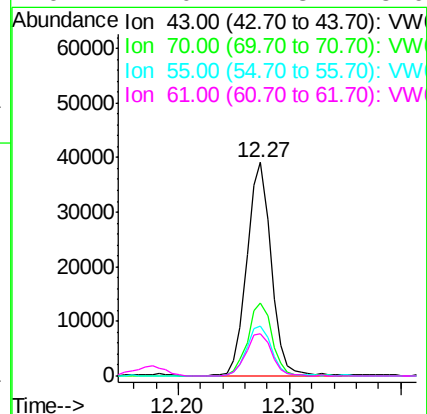
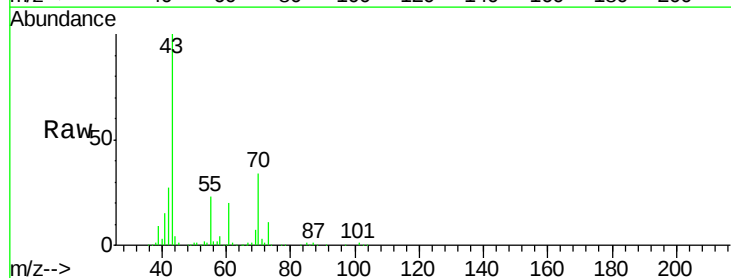
Ion Ratio Lower Upper

43 100

70 34.6 28.6 43.0

55 24.6 17.8 26.6

61 21.0 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.785 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

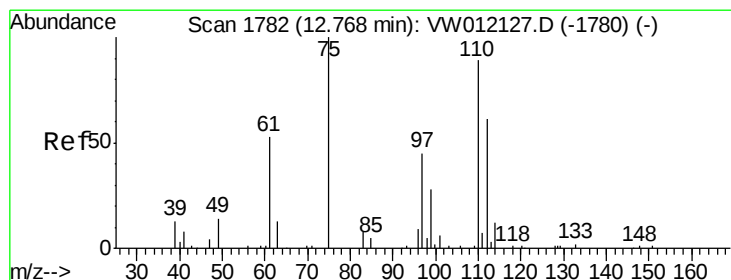
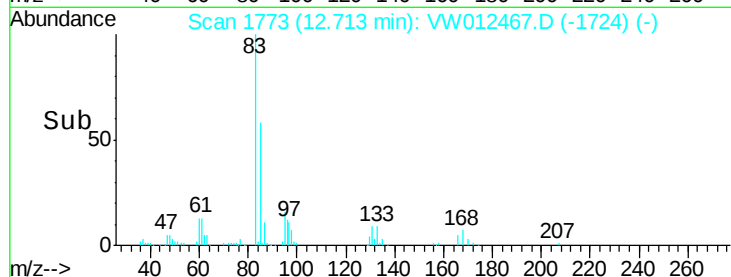
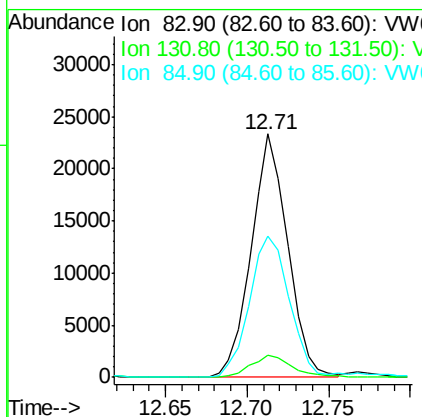
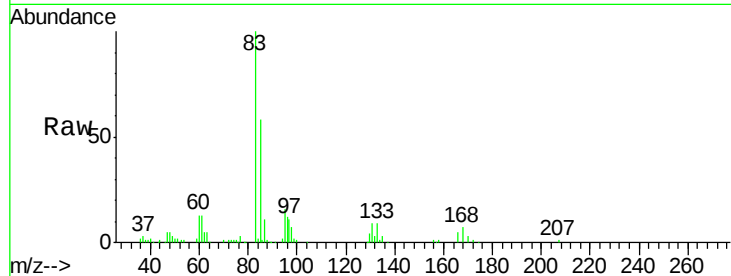
ClientSampleId :

VW0901SBSD02

Tot Ion:	83	Resp:	36303
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	63.2	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 20.441 ug/l m

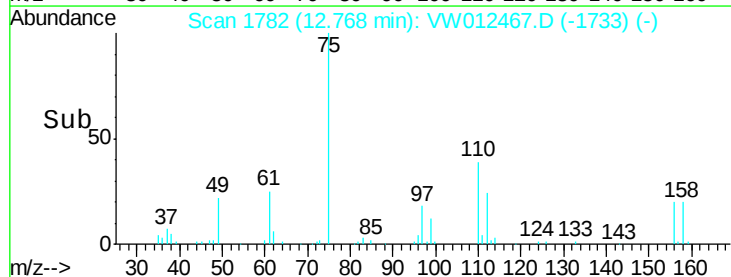
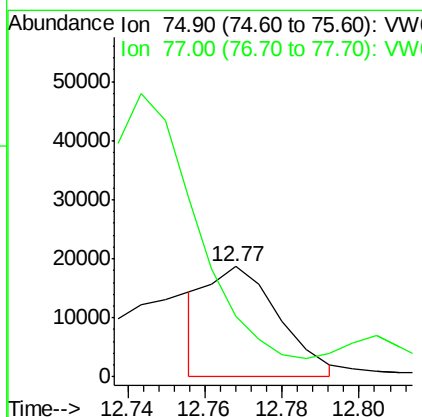
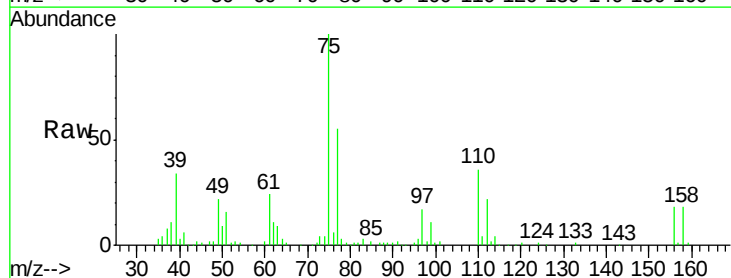
RT: 12.77 min Scan# 1782

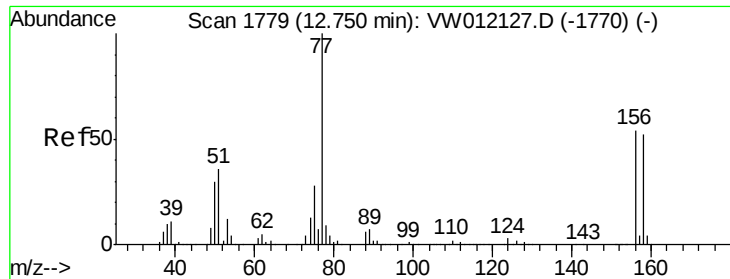
Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tgt Ion:	75	Resp:	24150
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.295 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampleId :

VW0901SBSD02

Tot Ion:156 Resp: 41876

Ion Ratio Lower Upper

156 100

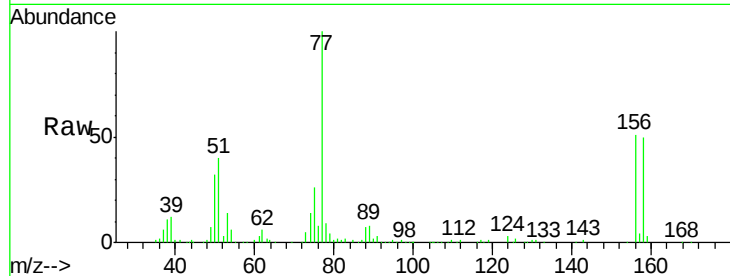
77 212.0 107.3 321.8

158 97.6 49.0 147.0

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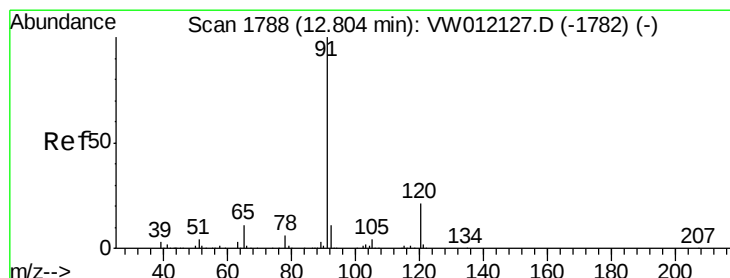
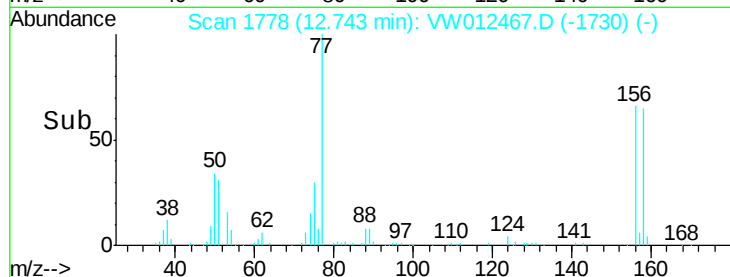
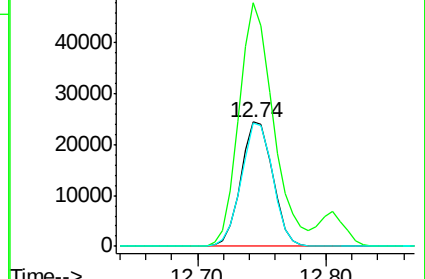
9/3/2019 10:44:54 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.435 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012467.D

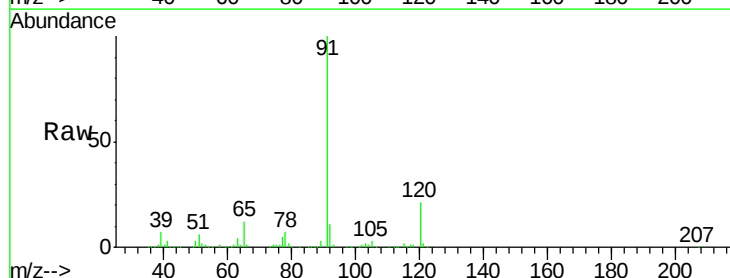
Acq: 02 Sep 2019 00:40

Tgt Ion: 91 Resp: 226767

Ion Ratio Lower Upper

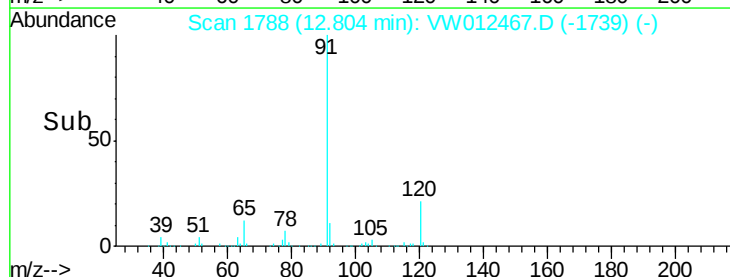
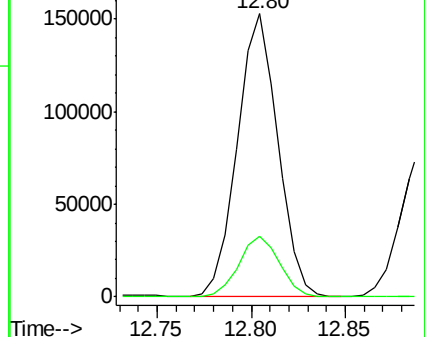
91 100

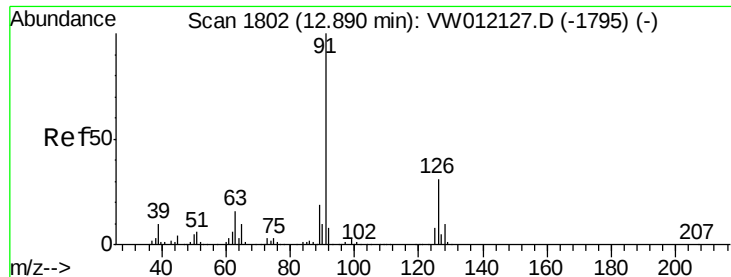
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.002 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

ClientSampled :

VW0901SBSD02

Tot Ion: 91 Resp: 132316

Ion Ratio Lower Upper

91 100

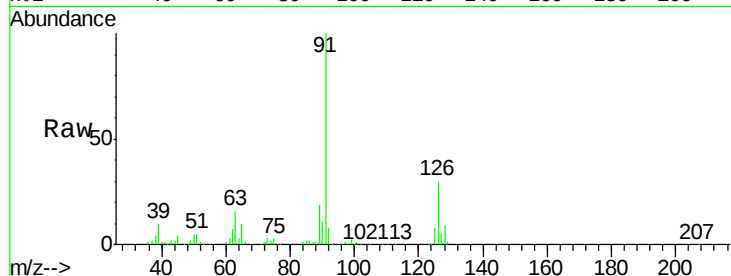
126 30.7 15.7 47.0

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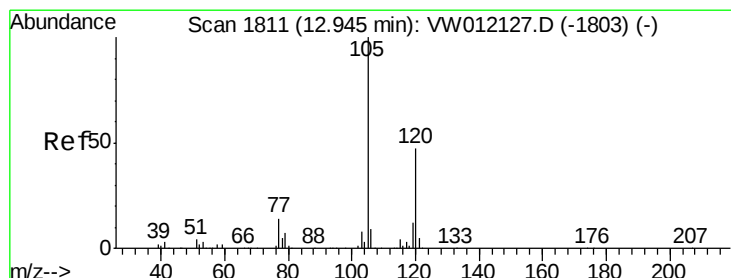
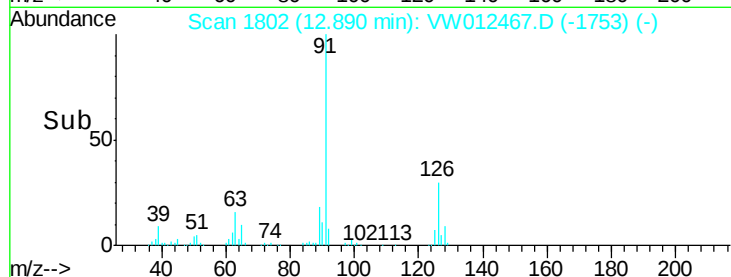
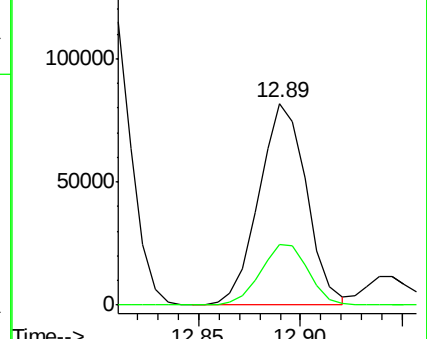
MMDadoda

9/3/2019 10:44:54 AM



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: 21.171 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012467.D

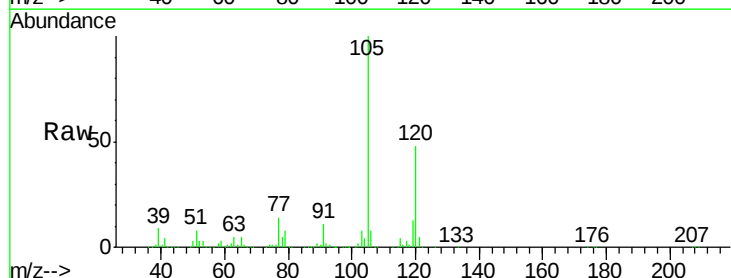
Acq: 02 Sep 2019 00:40

Tgt Ion: 105 Resp: 160802

Ion Ratio Lower Upper

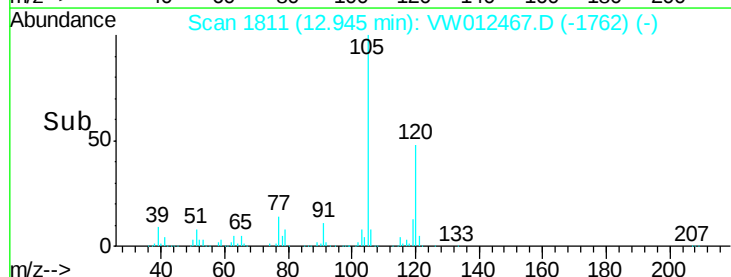
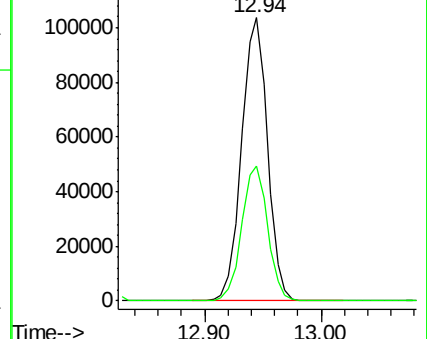
105 100

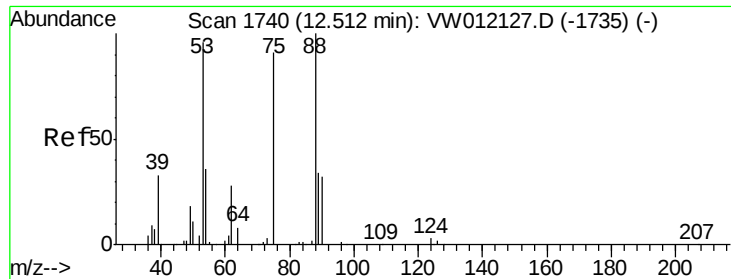
120 47.7 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





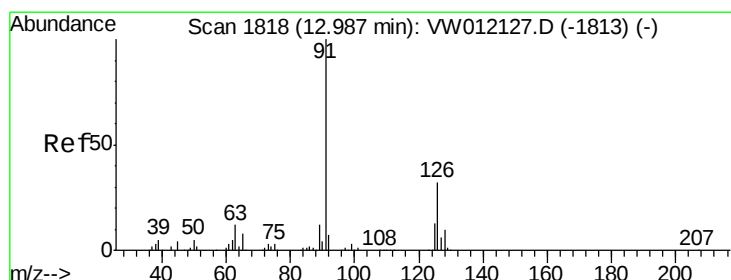
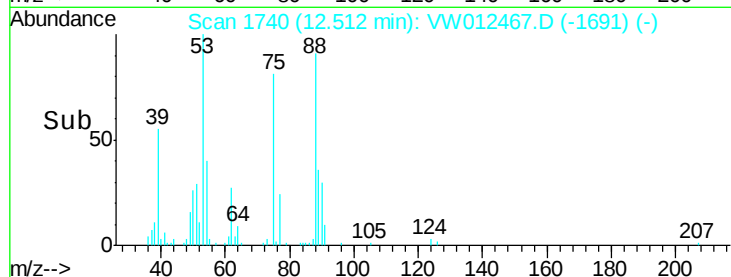
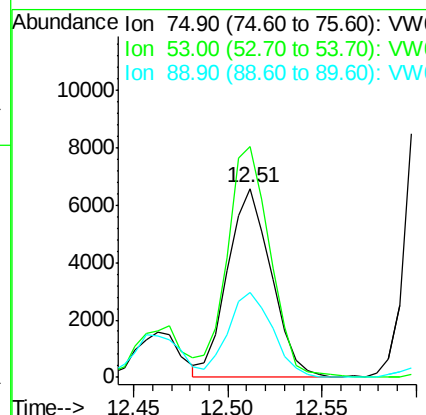
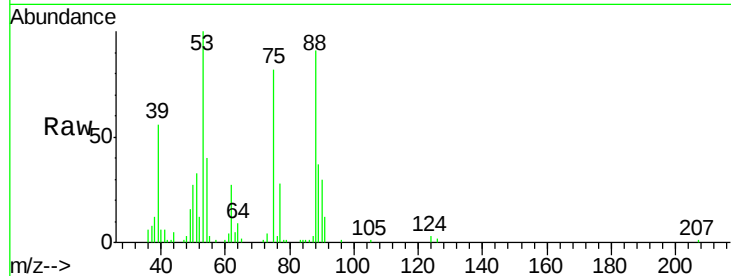
#81
trans-1,4-Dichloro-2-butene
Concen: 19.692 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.0	89.4	134.0
89	45.1	34.5	51.7

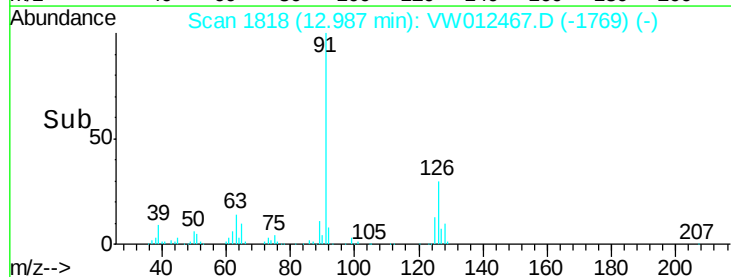
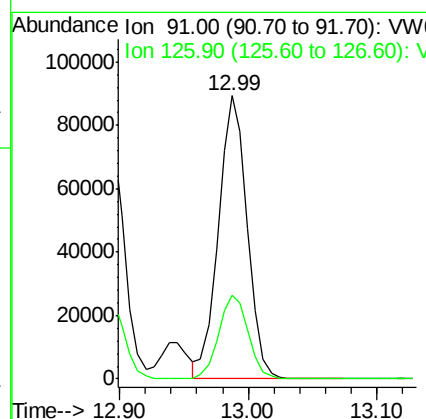
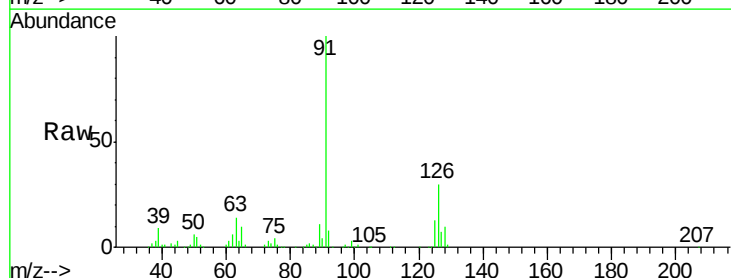
Manual Integrations
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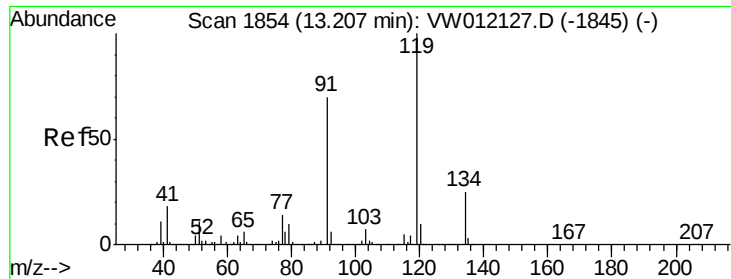
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.198 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.6	46.8





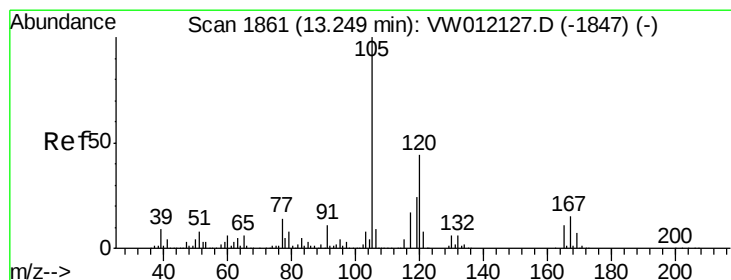
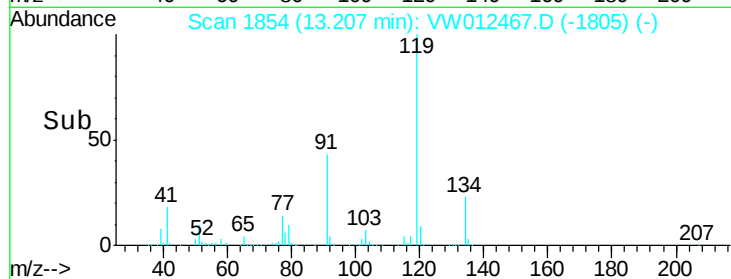
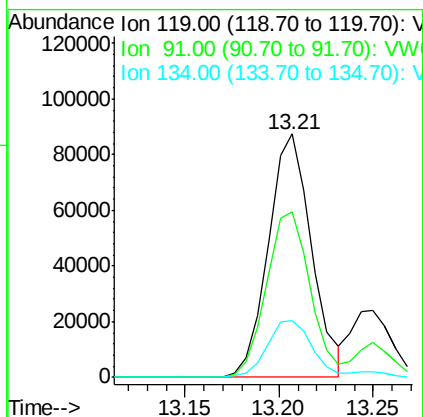
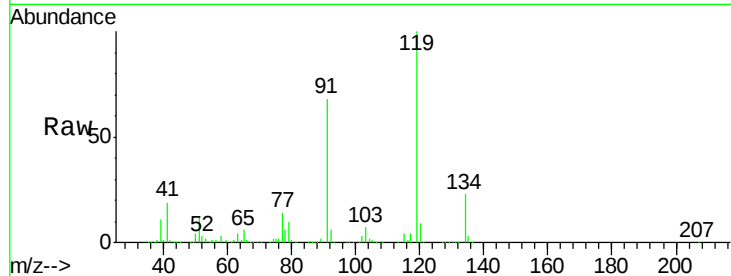
#83
tert-Butylbenzene
Concen: 21.619 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.8	104.3
134	24.3	13.3	39.8

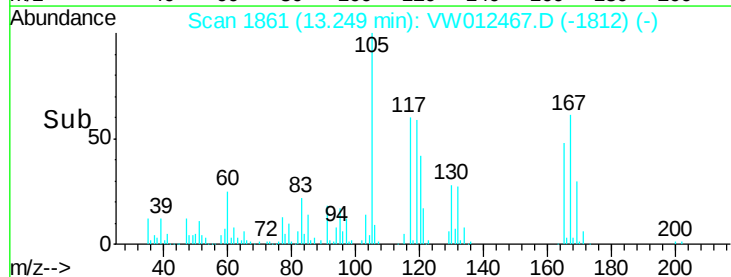
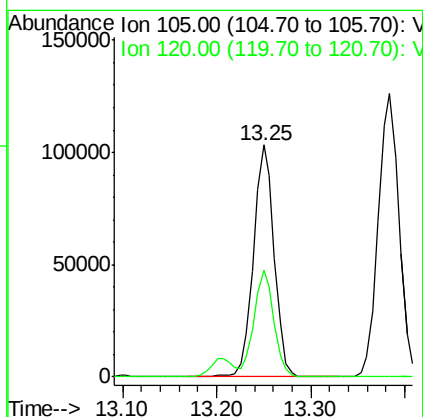
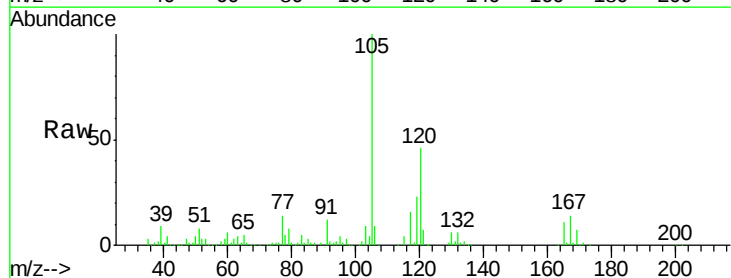
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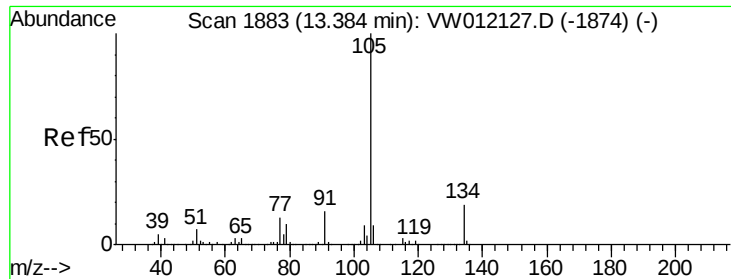
MMDadoda
9/3/2019 10:44:54 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.016 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7





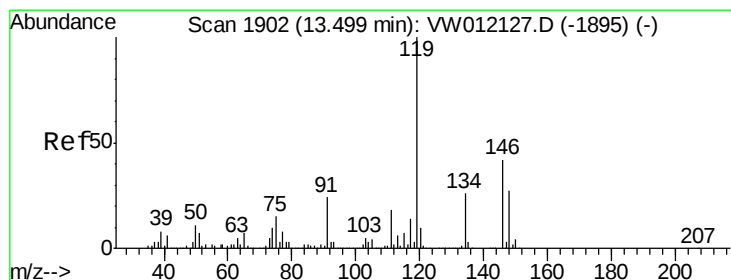
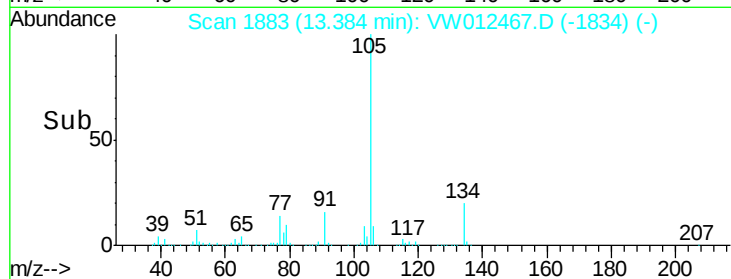
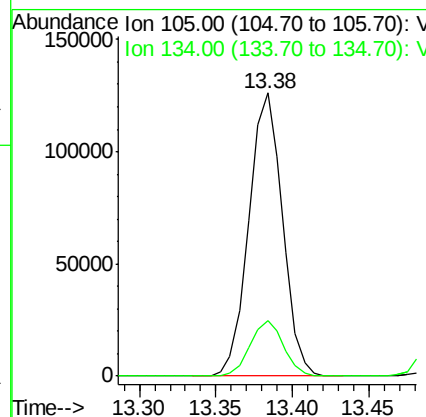
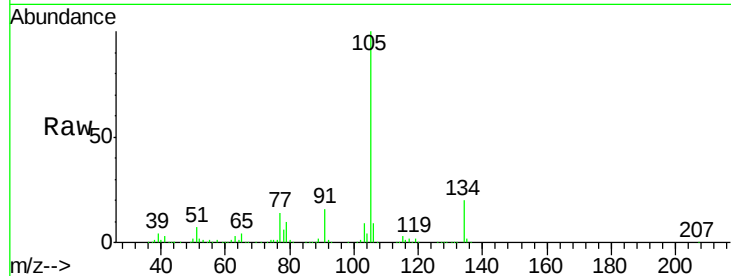
#85
 sec-Butylbenzene
 Concen: 20.956 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	193163		
134	19.5	9.8	29.4	

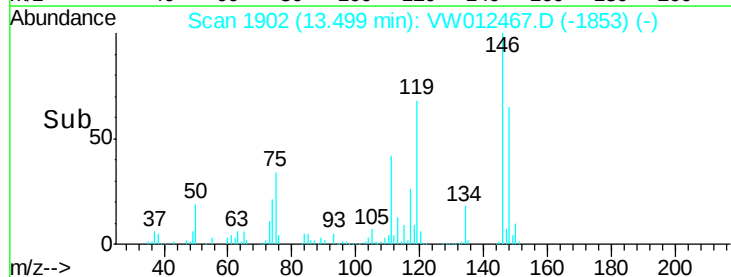
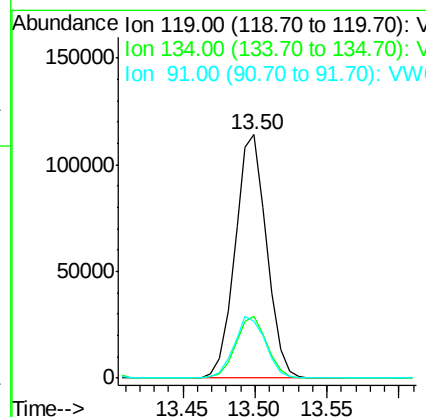
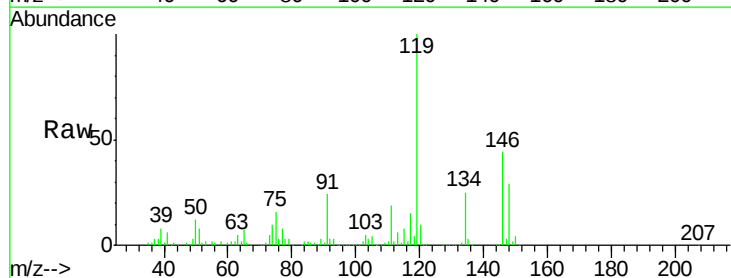
Manual Integrations
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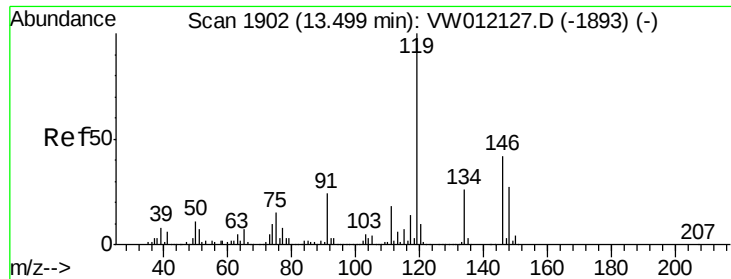
MMDadoda
 9/3/2019 10:44:54 AM



#86
 p-Isopropyltoluene
 Concen: 21.010 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	172958		
134	25.3	12.8	38.3	
91	25.4	12.3	36.9	





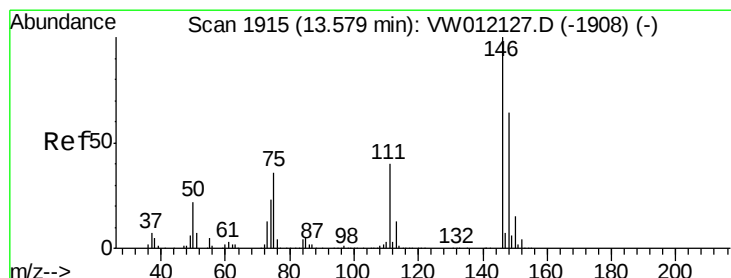
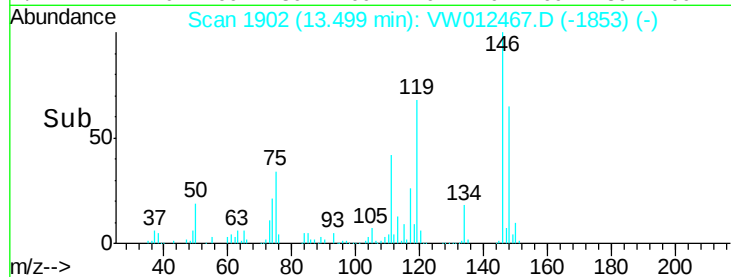
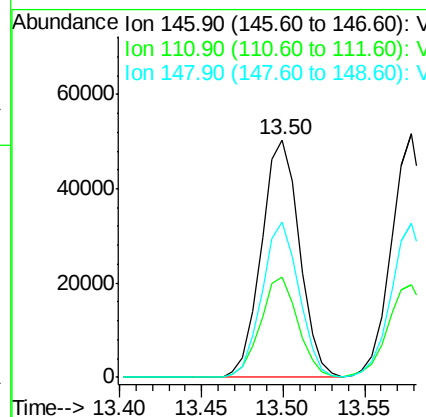
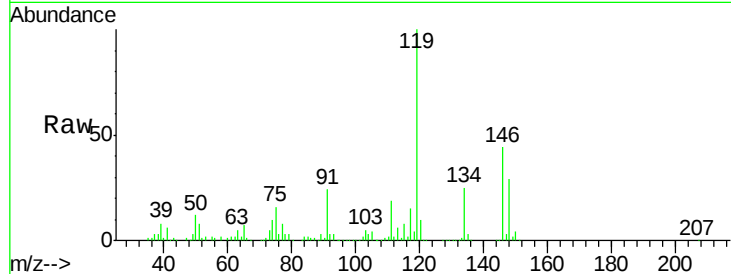
#87
 1,3-Dichlorobenzene
 Concen: 21.187 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
 MSVOA_W
 ClientSampled :
 VW0901SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.7
148	63.5	32.2	96.6

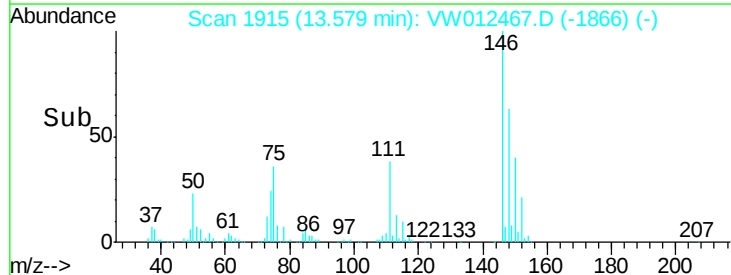
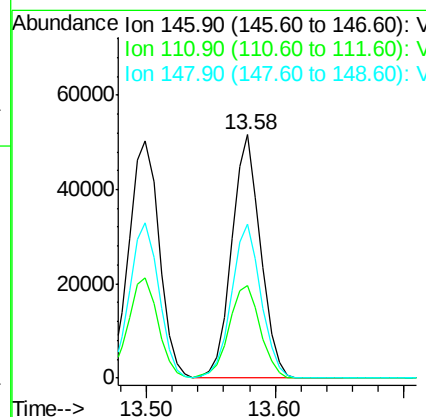
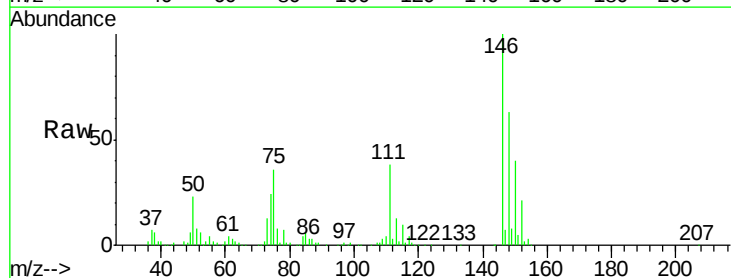
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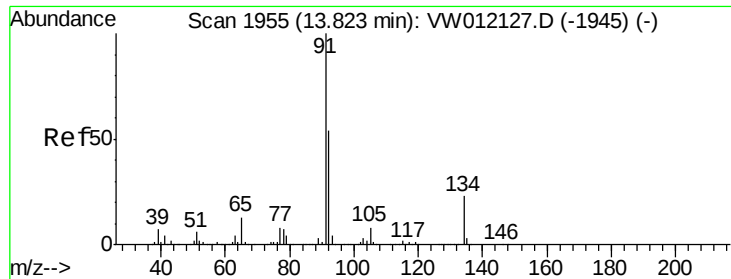
MMDadoda
 9/3/2019 10:44:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.160 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.0	60.0
148	64.7	32.1	96.3





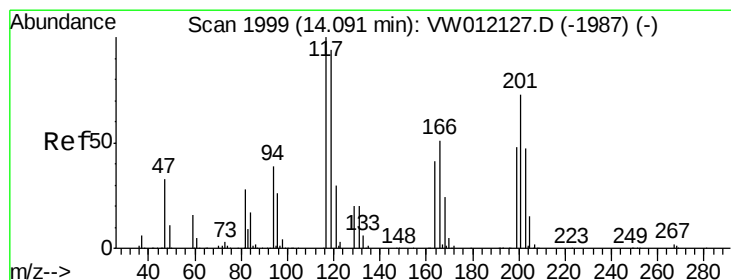
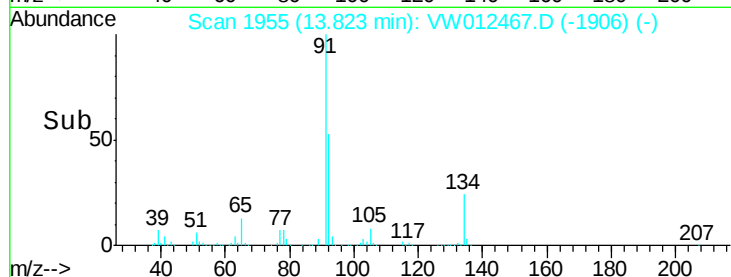
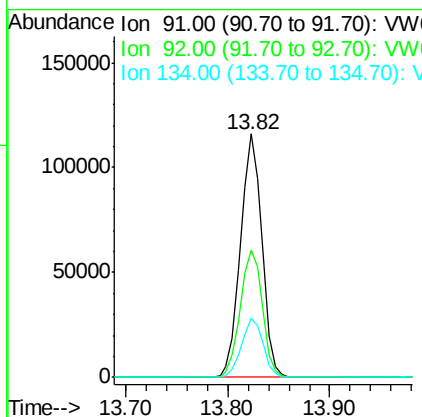
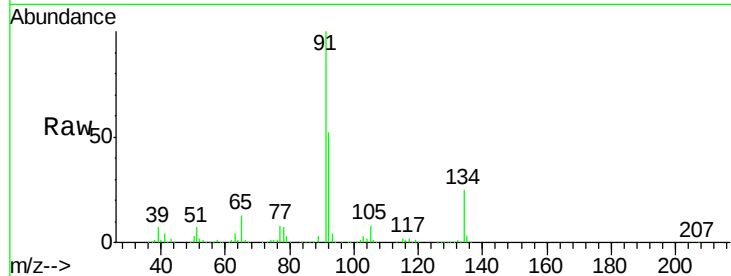
#89
n-Butylbenzene
Concen: 20.470 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.1	81.2
134	24.5	12.2	36.4

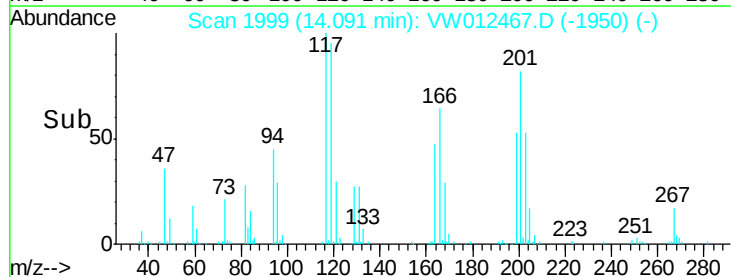
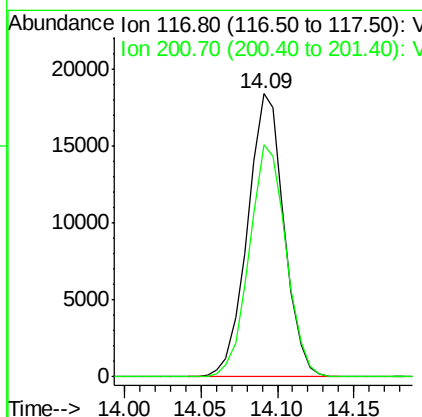
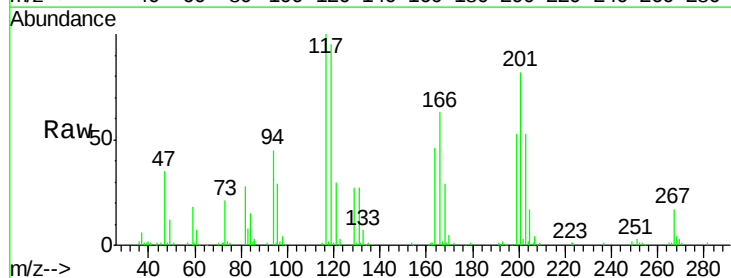
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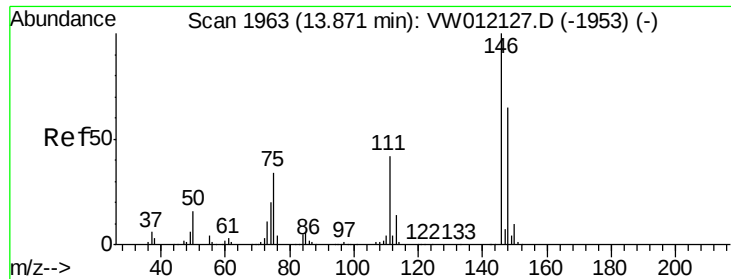
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#90
Hexachloroethane
Concen: 21.078 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	38.6	115.7





#91

1,2-Dichlorobenzene

Concen: 22.005 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Instrument :

MSVOA_W

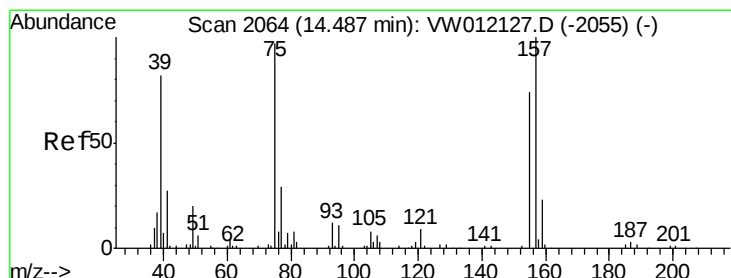
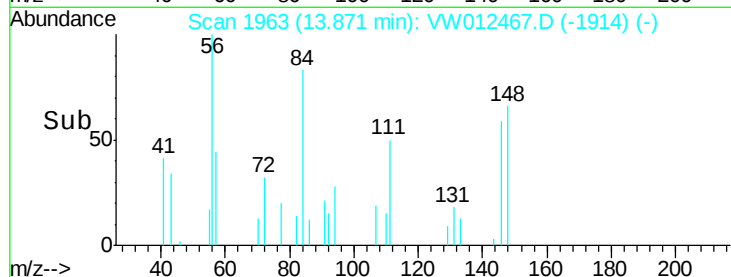
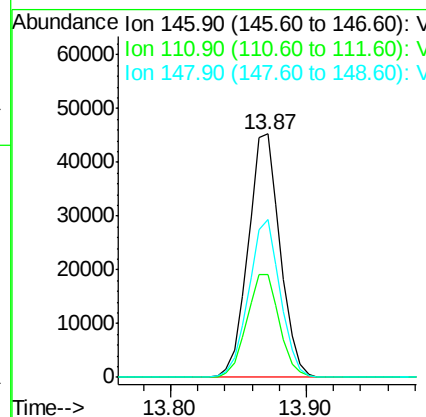
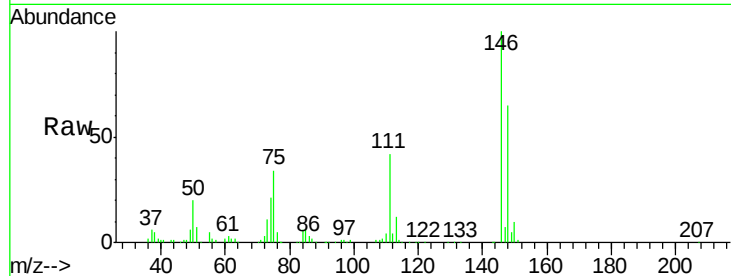
ClientSampleId :

VW0901SBS02

Tot Ion:	146	Resp:	74249
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.2	63.6
148	64.2	32.5	97.4

Manual Integrations
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9/3/2019 10:44:54 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.184 ug/l

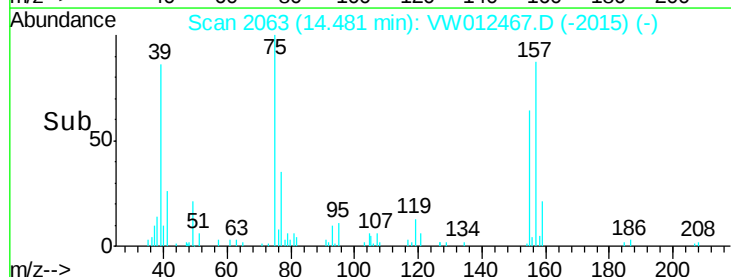
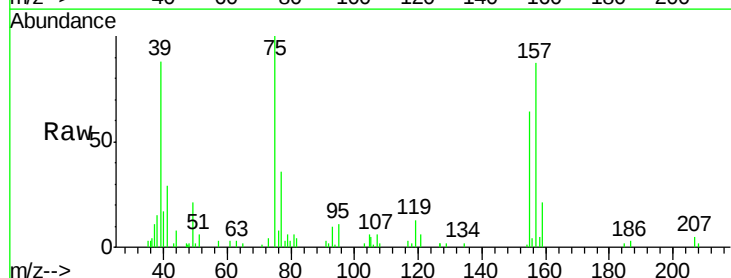
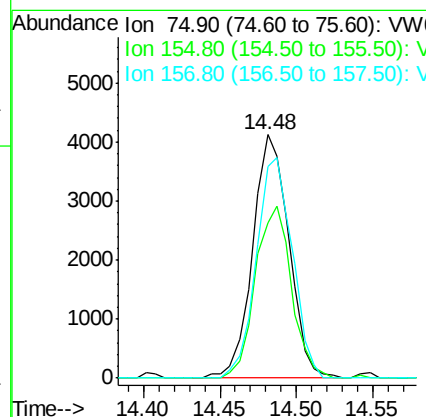
RT: 14.48 min Scan# 2063

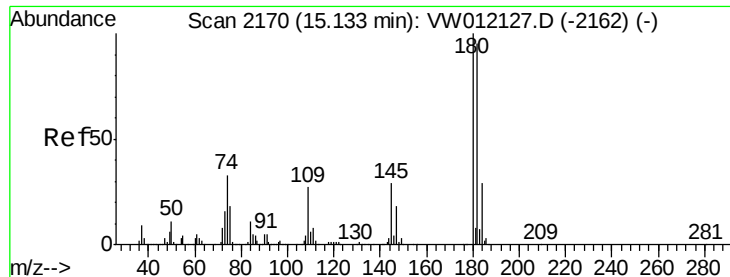
Delta R.T. -0.01 min

Lab File: VW012467.D

Acq: 02 Sep 2019 00:40

Tgt Ion:	75	Resp:	6794
Ion	Ratio	Lower	Upper
75	100		
155	70.5	37.5	112.3
157	89.8	50.5	151.5





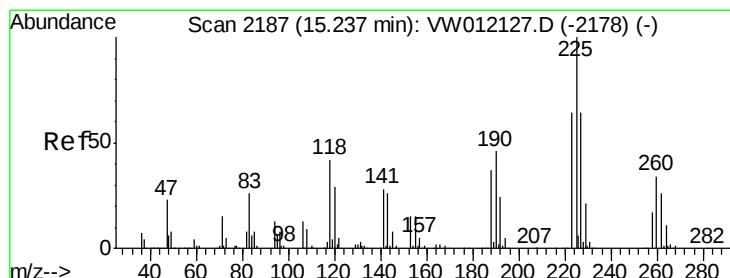
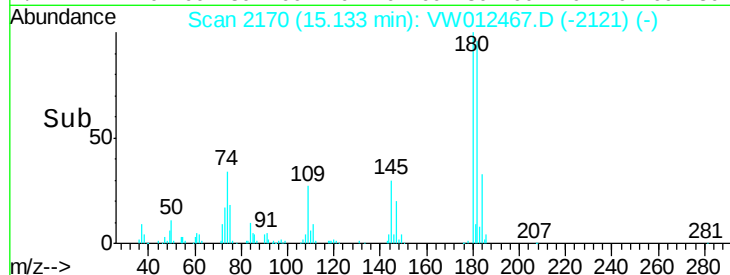
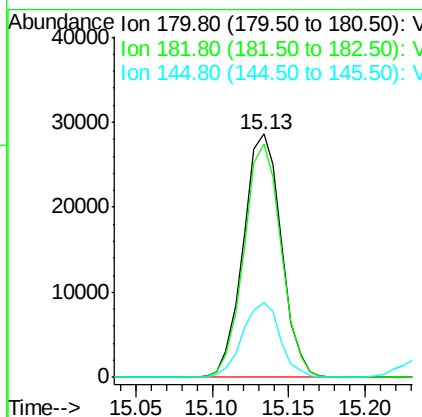
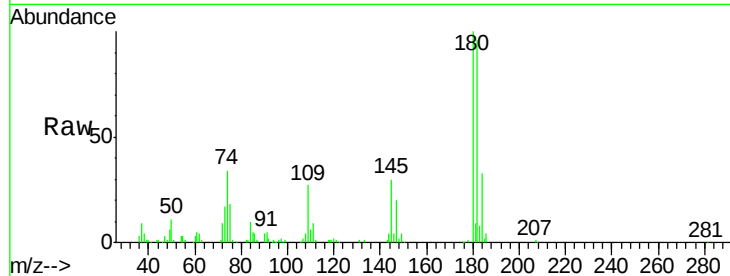
#93
 1,2,4-Trichlorobenzene
 Concen: 21.230 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49504		
182	93.9	47.8	143.4	
145	30.3	15.0	45.1	

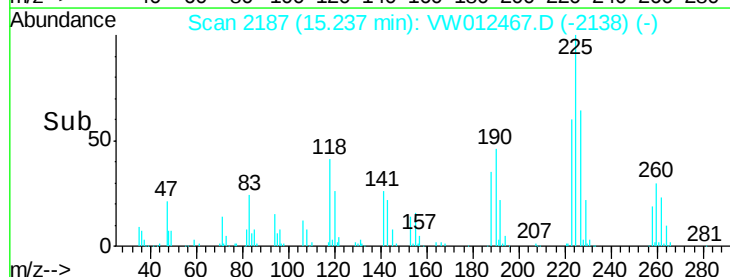
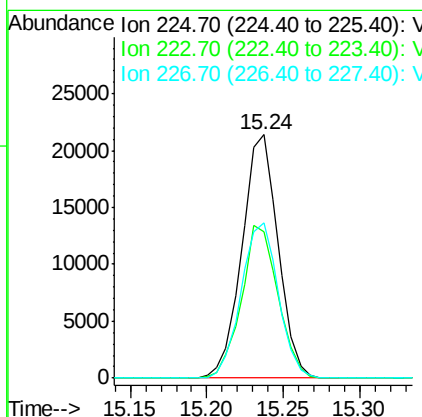
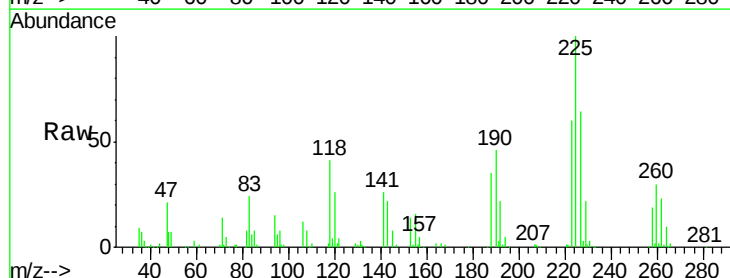
Manual Integrations
 APPROVED

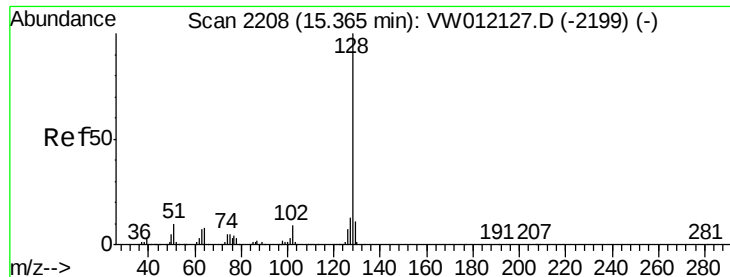
MMDadoda
 9/3/2019 10:44:54 AM



#94
 Hexachlorobutadiene
 Concen: 22.800 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012467.D
 Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35105		
223	63.2	32.3	96.8	
227	65.6	32.9	98.6	





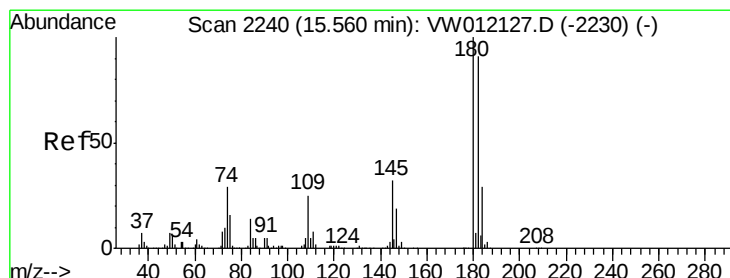
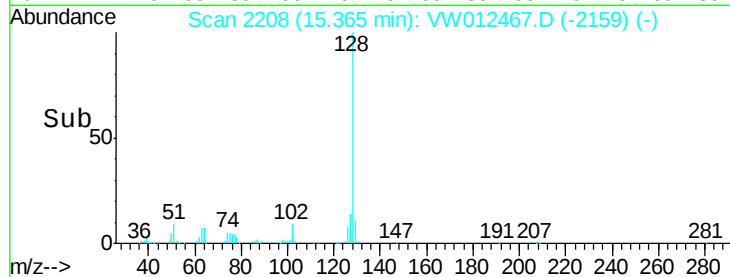
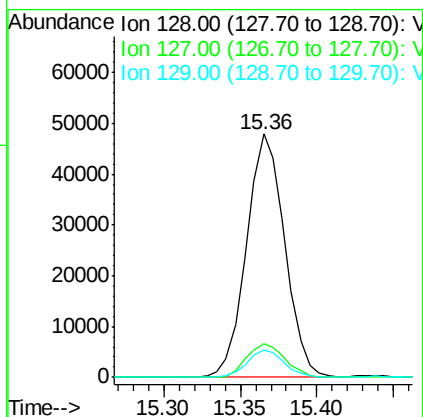
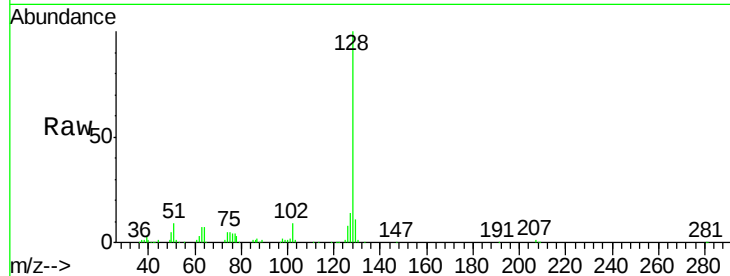
#95
Naphthalene
Concen: 20.907 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Instrument :
MSVOA_W
ClientSampleId :
VW0901SBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.352 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012467.D
Acq: 02 Sep 2019 00:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.3
145	32.8	16.2	48.5

