

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012585.D
 Acq On : 04 Sep 2019 10:39
 Operator : SY/VA
 Sample : VW0904SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:10 AM

Quant Time: Sep 04 15:07:00 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	200090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	309749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136547	57.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.82%	
35) Dibromofluoromethane	7.88	113	106015	57.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.68%	
50) Toluene-d8	10.32	98	416097	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
62) 4-Bromofluorobenzene	12.62	95	150492	56.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25067	20.346	ug/l	94
3) Chloromethane	2.21	50	38258	20.043	ug/l	99
4) Vinyl Chloride	2.35	62	44808	19.179	ug/l	97
5) Bromomethane	2.74	94	22867	19.327	ug/l	97
6) Chloroethane	2.91	64	25958	19.696	ug/l	97
7) Trichlorofluoromethane	3.24	101	25359	21.617	ug/l	98
8) Diethyl Ether	3.68	74	24065	21.612	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45656	22.896	ug/l	98
10) Methyl Iodide	4.26	142	58096	21.533	ug/l	98
11) Tert butyl alcohol	5.17	59	16660	116.388	ug/l	98
12) 1,1-Dichloroethene	4.04	96	43177	21.513	ug/l	99
13) Acrolein	3.89	56	9647	71.596	ug/l	99
14) Allyl chloride	4.66	41	90656	21.129	ug/l	97
15) Acrylonitrile	5.36	53	60316	109.285	ug/l	98
16) Acetone	4.12	43	66907	110.042	ug/l	98
17) Carbon Disulfide	4.37	76	103486	17.061	ug/l	98
18) Methyl Acetate	4.67	43	34781	23.096	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	75867	23.375	ug/l	100
20) Methylene Chloride	4.91	84	52069	22.653	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	45763	21.263	ug/l	99
22) Diisopropyl ether	6.31	45	179091	22.518	ug/l	98
23) Vinyl Acetate	6.25	43	521521	106.553	ug/l	100
24) 1,1-Dichloroethane	6.21	63	97093	22.421	ug/l	99
25) 2-Butanone	7.16	43	89733	108.606	ug/l	96
26) 2,2-Dichloropropane	7.16	77	58813	23.995	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	52027	22.626	ug/l	98
28) Bromochloromethane	7.51	49	43356	22.972	ug/l	98
29) Tetrahydrofuran	7.52	42	54626	110.200	ug/l	98
30) Chloroform	7.67	83	93199	23.524	ug/l	99
31) Cyclohexane	7.95	56	83920	19.588	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	75515	24.095	ug/l	100
36) 1,1-Dichloropropene	8.08	75	72719	22.718	ug/l	99
37) Ethyl Acetate	7.25	43	38845	22.146	ug/l	99
38) Carbon Tetrachloride	8.07	117	67988	24.540	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	74667	20.764	ug/l	97
40) Benzene	8.32	78	198633	22.726	ug/l	99
41) Methacrylonitrile	7.48	41	21100	20.467	ug/l #	94
42) 1,2-Dichloroethane	8.40	62	68417	24.976	ug/l	99
43) Isopropyl Acetate	8.42	43	72516	22.319	ug/l	98
44) Trichloroethene	9.09	130	49197	23.154	ug/l	94
45) 1,2-Dichloropropane	9.37	63	53948	22.934	ug/l	97
46) Dibromomethane	9.46	93	24375	23.290	ug/l	98
47) Bromodichloromethane	9.64	83	68107	24.451	ug/l	99
48) Methyl methacrylate	9.43	41	34617	22.386	ug/l	95
49) 1,4-Dioxane	9.44	88	7117	444.197	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	191032	115.597	ug/l	98
52) Toluene	10.38	92	121672	23.173	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67840	23.910	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	77545	22.635	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35027	23.654	ug/l	99
56) Ethyl methacrylate	10.65	69	48495	22.502	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66516	23.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	127060	114.874	ug/l	99
59) 2-Hexanone	10.97	43	134189	114.761	ug/l	97
60) Dibromochloromethane	11.13	129	39890	24.185	ug/l	99
61) 1,2-Dibromoethane	11.23	107	32593	23.626	ug/l	99
64) Tetrachloroethene	10.86	164	41236	23.766	ug/l	98
65) Chlorobenzene	11.66	112	125843	23.881	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	45304	24.643	ug/l	99
67) Ethyl Benzene	11.73	91	240486	23.691	ug/l	98
68) m/p-Xylenes	11.84	106	173917	47.563	ug/l	100
69) o-Xylene	12.16	106	80113	23.672	ug/l	98
70) Styrene	12.18	104	138948	23.720	ug/l	97
71) Bromoform	12.35	173	23081	25.199	ug/l #	99
73) Isopropylbenzene	12.46	105	230728	22.455	ug/l	99
74) N-amyl acetate	12.27	43	67717	21.813	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41280	21.914	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27559m	20.635	ug/l	
77) Bromobenzene	12.74	156	50823	22.863	ug/l	96
78) n-propylbenzene	12.80	91	283344	22.588	ug/l	99
79) 2-Chlorotoluene	12.89	91	161375	22.659	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	200605	23.364	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12956	21.270	ug/l	96
82) 4-Chlorotoluene	12.99	91	169040	22.669	ug/l	99
83) tert-Butylbenzene	13.21	119	168169	23.122	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	198383	23.001	ug/l	99
85) sec-Butylbenzene	13.38	105	238822	22.920	ug/l	100
86) p-Isopropyltoluene	13.50	119	217298	23.351	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	99663	22.922	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	100833	23.356	ug/l	99
89) n-Butylbenzene	13.82	91	213652	23.088	ug/l	100
90) Hexachloroethane	14.09	117	36922	22.615	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	91387	23.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7450	23.459	ug/l	96

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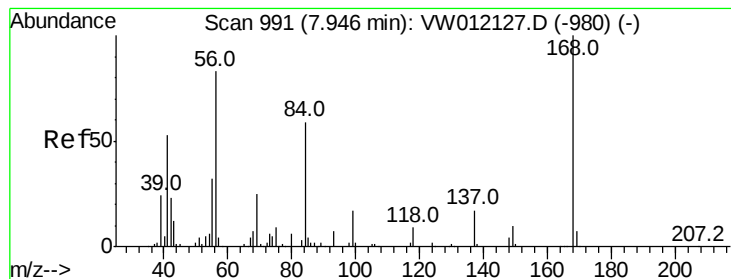
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63937	24.256	ug/l	99
94) Hexachlorobutadiene	15.24	225	44412	25.517	ug/l	98
95) Naphthalene	15.36	128	104455	22.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	55946	24.327	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: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion:168 Resp: 200090

Ion Ratio Lower Upper

168 100

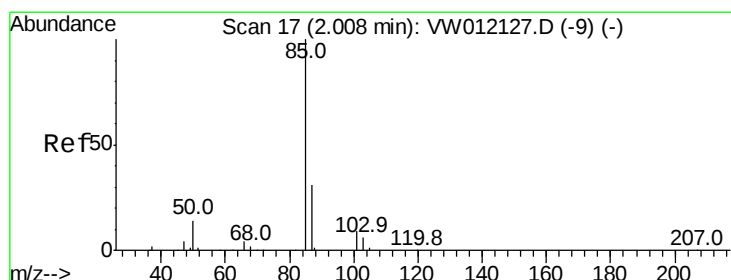
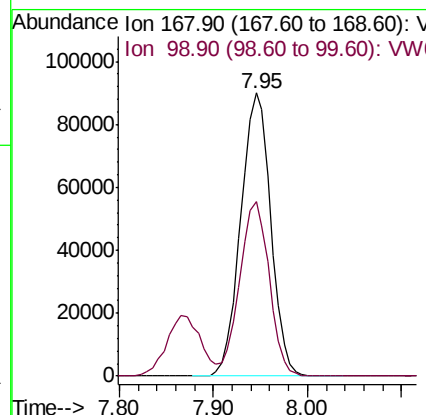
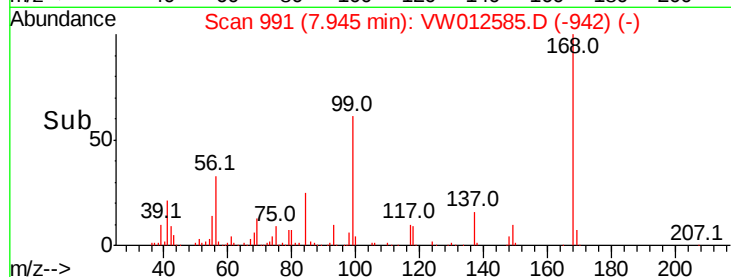
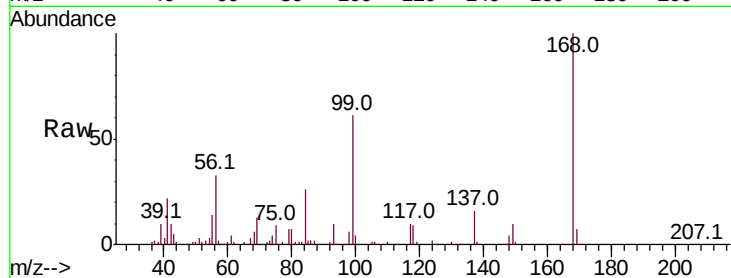
99 61.5 49.2 73.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.346 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012585.D

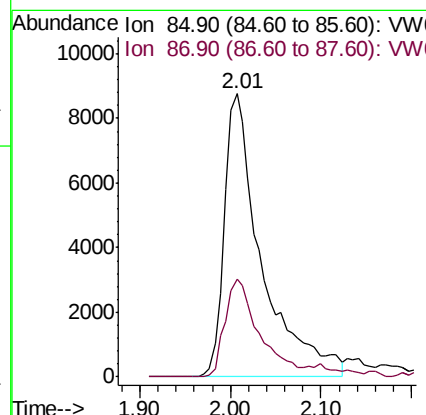
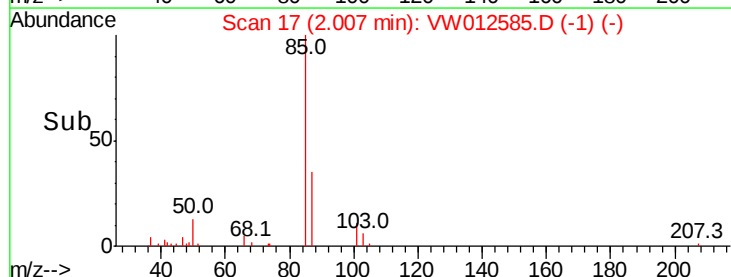
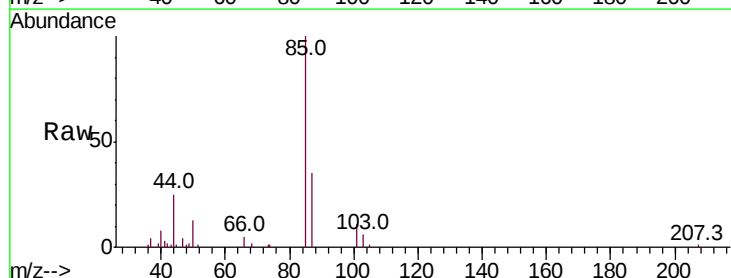
Acq: 04 Sep 2019 10:39

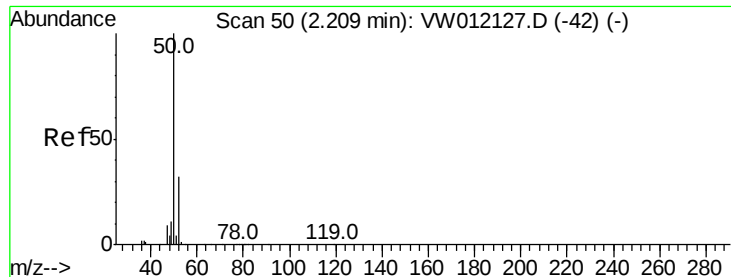
Tgt Ion: 85 Resp: 25067

Ion Ratio Lower Upper

85 100

87 34.7 15.6 46.8





#3

Chloromethane

Concen: 20.043 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion: 50 Resp: 38258

Ion Ratio Lower Upper

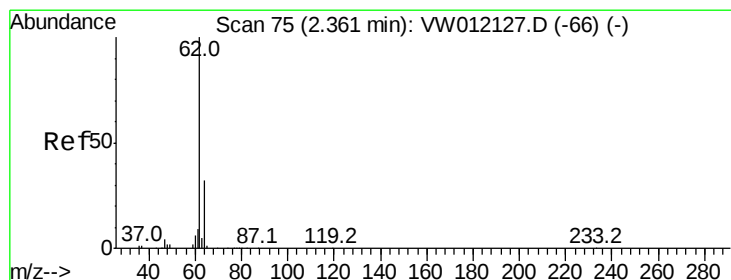
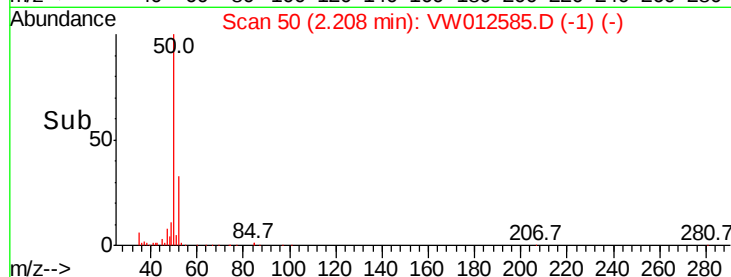
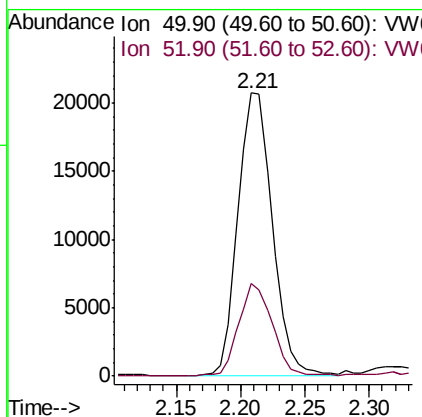
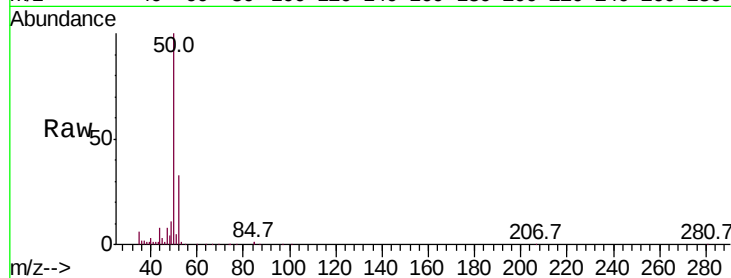
50 100

52 32.7 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.179 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012585.D

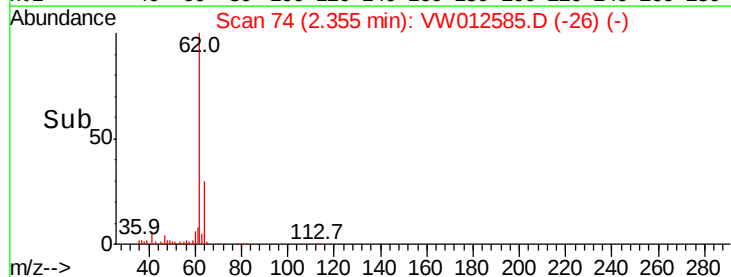
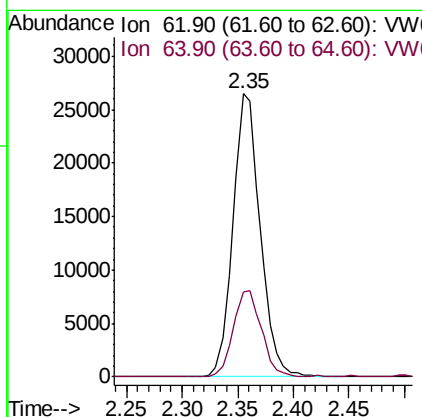
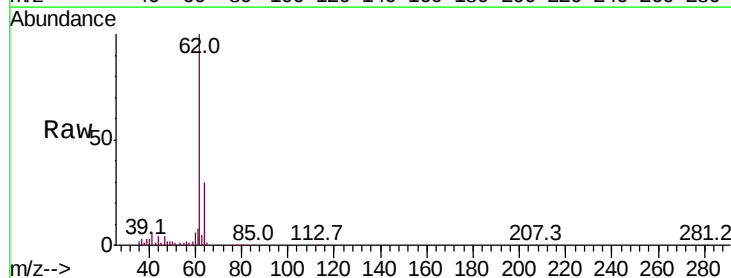
Acq: 04 Sep 2019 10:39

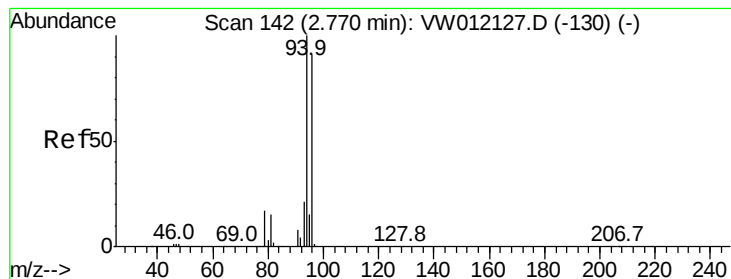
Tgt Ion: 62 Resp: 44808

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 19.327 ug/l

RT: 2.74 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion: 94 Resp: 22867

Ion Ratio Lower Upper

94 100

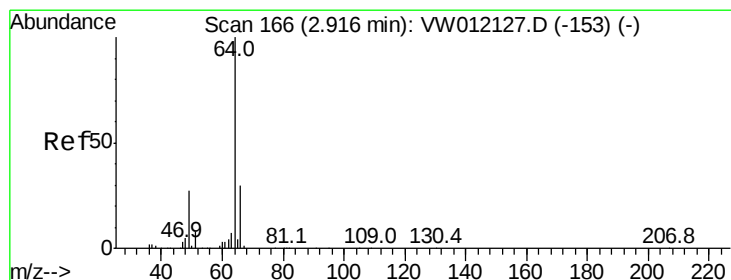
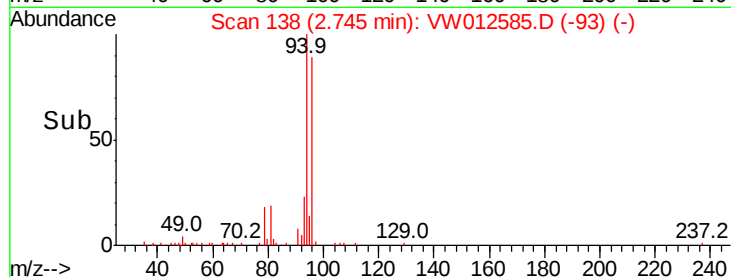
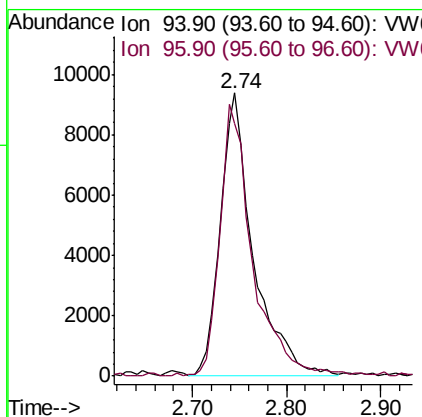
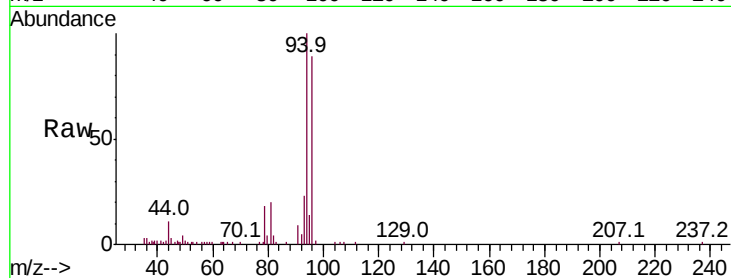
96 88.4 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 19.696 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012585.D

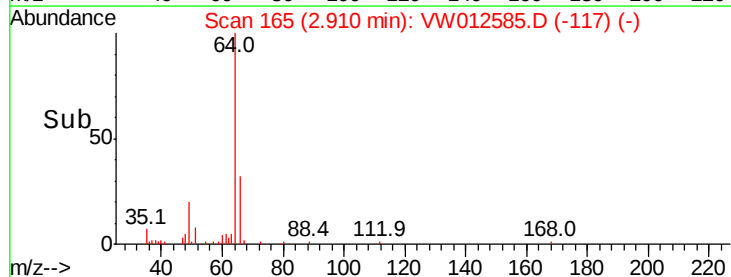
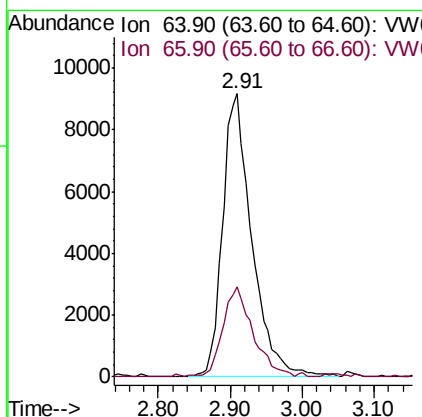
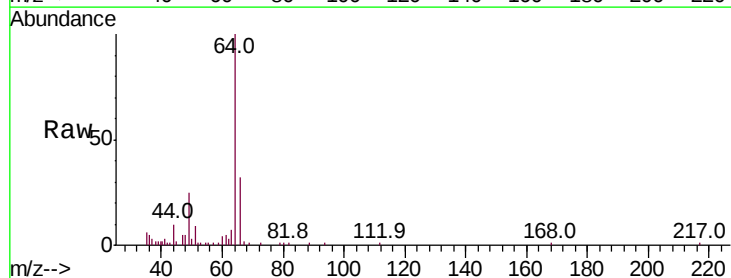
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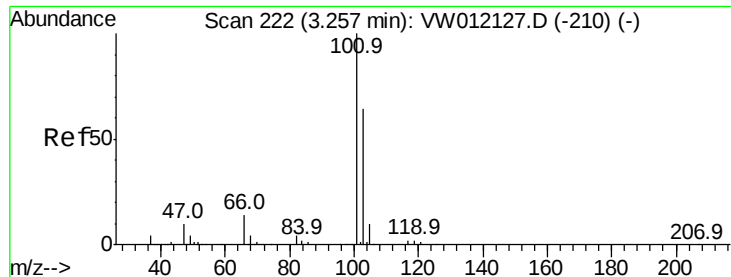
Tgt Ion: 64 Resp: 25958

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.8





#7

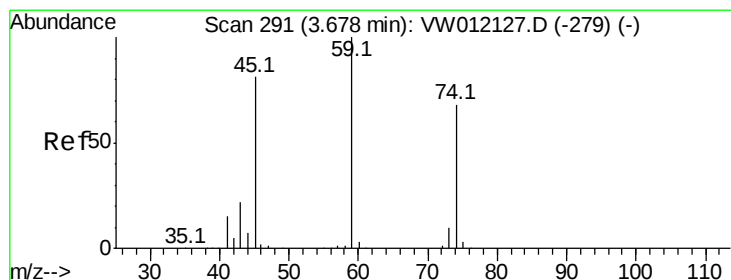
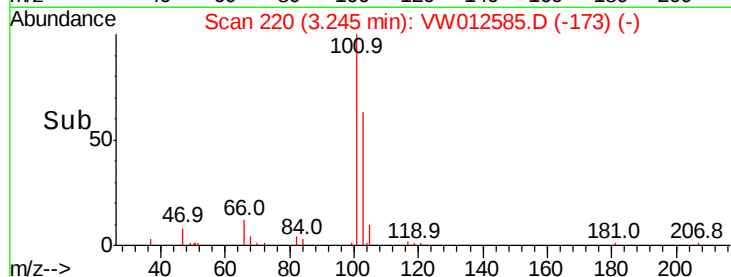
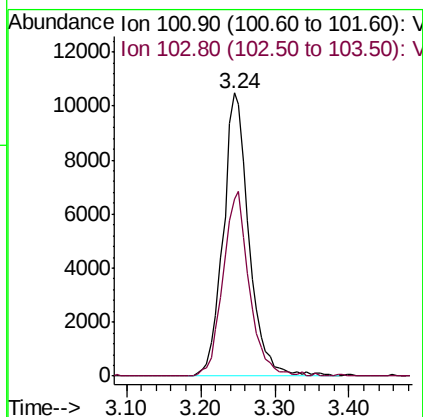
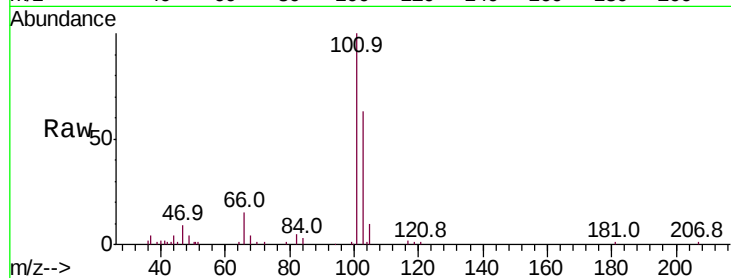
Trichlorofluoromethane
 Concen: 21.617 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Instrument :
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 ClientSampleId :
 VW0904SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.2	76.8

Manual Integrations
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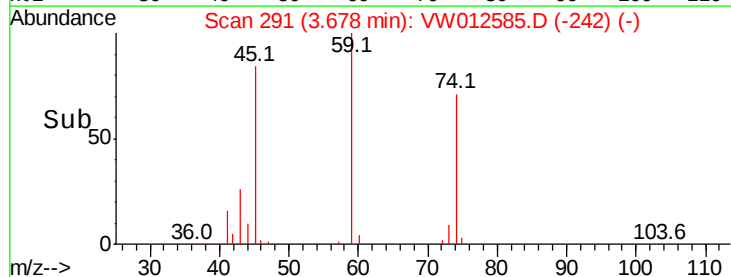
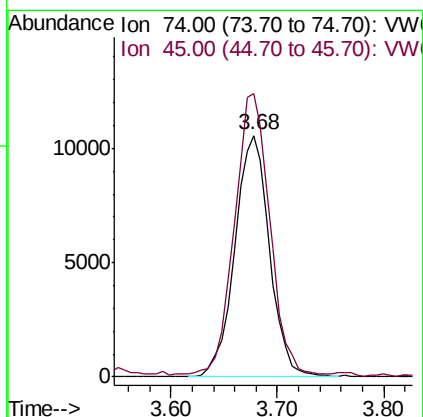
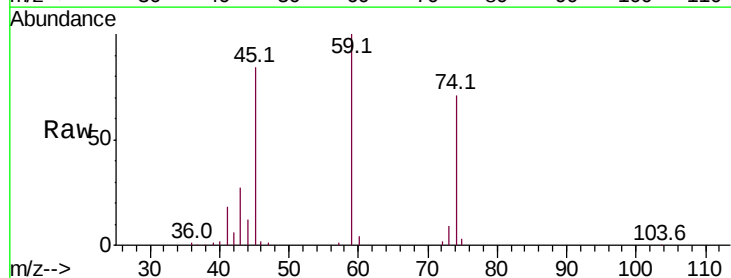
MMDadoda
 9/7/2019 12:46:10 AM

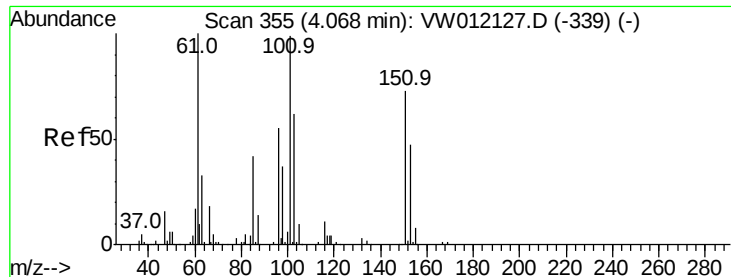


#8

Diethyl Ether
 Concen: 21.612 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.9	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.896 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion:101 Resp: 45656

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.6

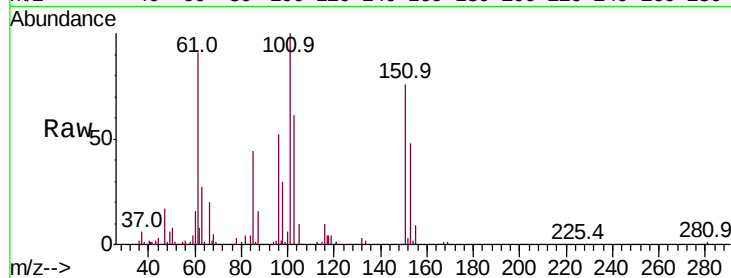
151 75.6 58.6 87.8

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

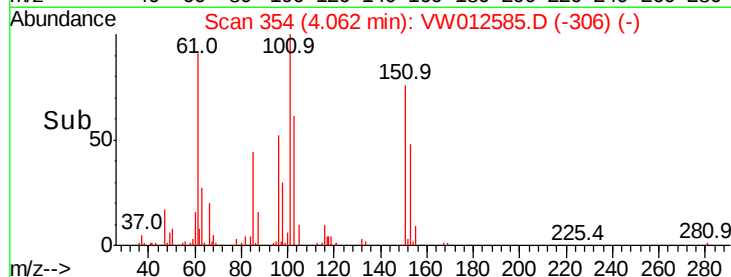
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10000

5000

0

Time-->



4.06

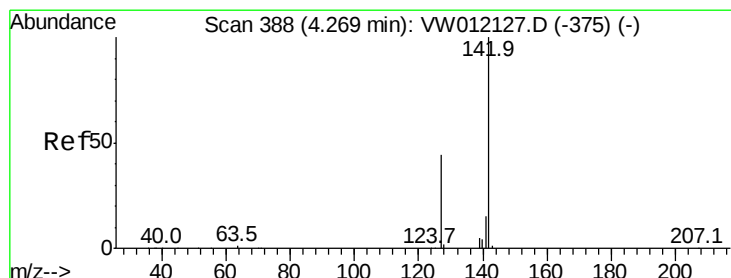
3.90

4.00

4.10

4.20

4.30



#10

Methyl Iodide

Concen: 21.533 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

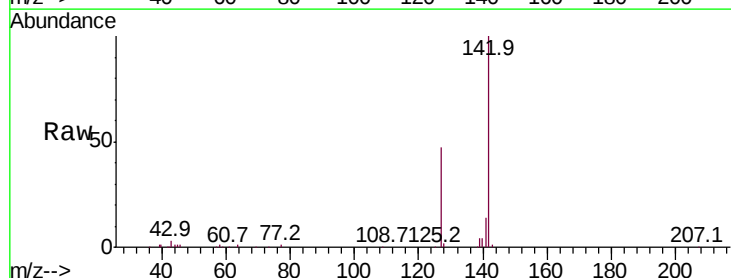
Tgt Ion:142 Resp: 58096

Ion Ratio Lower Upper

142 100

127 45.9 35.5 53.3

141 15.1 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

20000

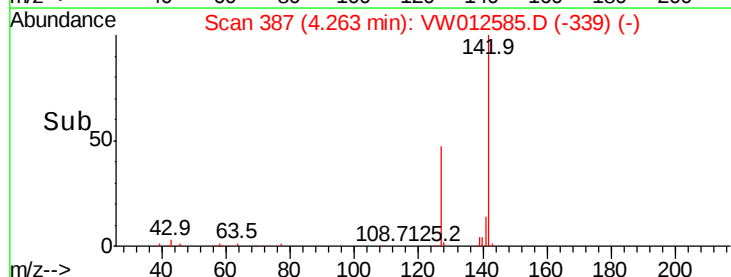
15000

10000

5000

0

Time-->



4.26

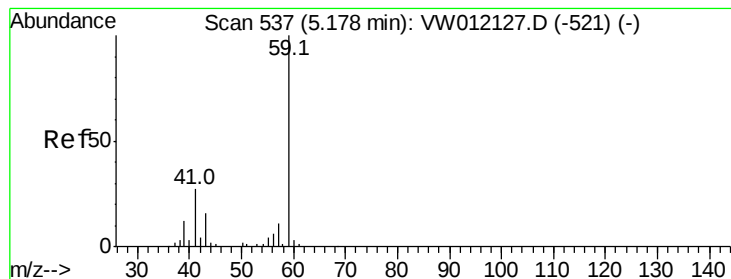
4.10

4.20

4.30

4.40

4.50



#11

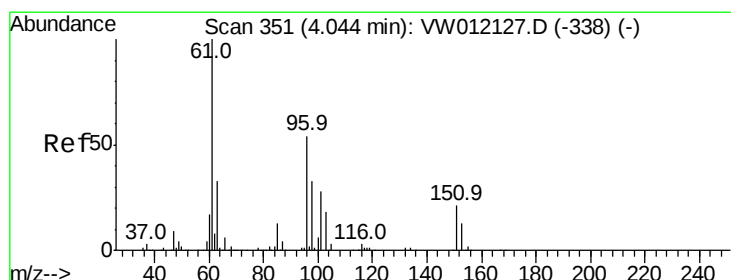
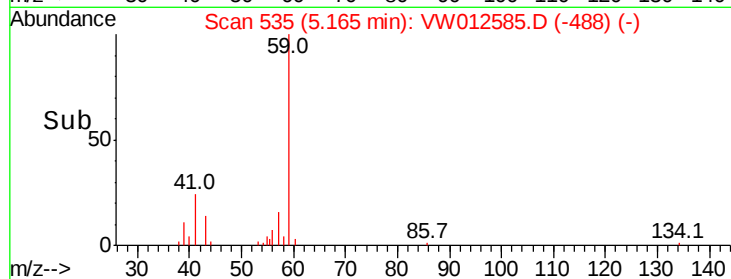
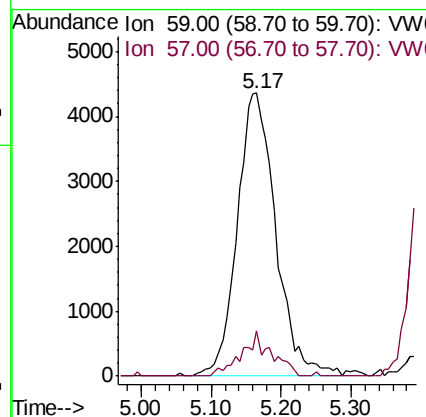
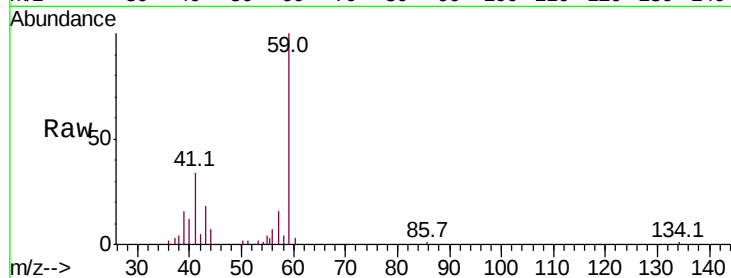
Tert butyl alcohol
Concen: 116.388 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampled :
VW0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	16660		
57	12.1		9.0	13.4

Manual Integrations
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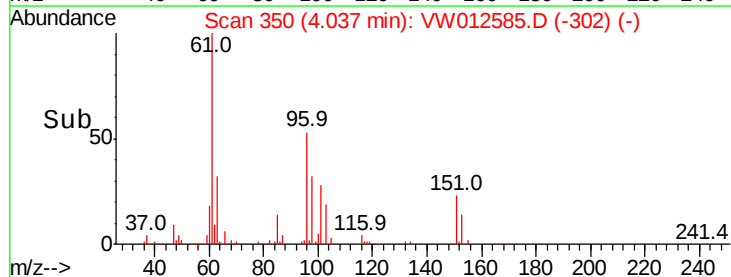
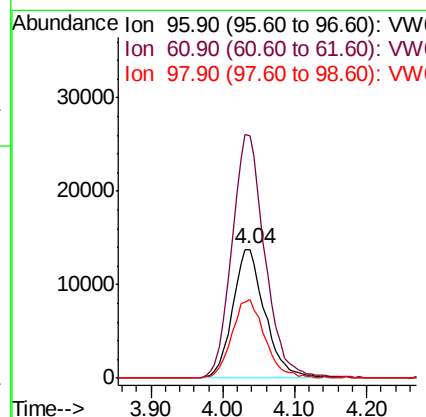
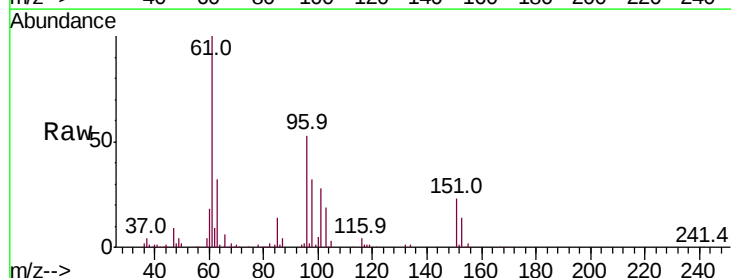
MMDadoda
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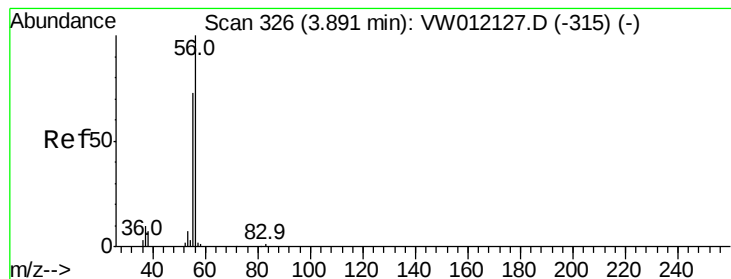


#12

1,1-Dichloroethene
Concen: 21.513 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	43177		
61	188.6		149.1	223.7
98	60.9		49.4	74.2





#13

Acrolein

Concen: 71.596 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion: 56 Resp: 9647

Ion Ratio Lower Upper

56 100

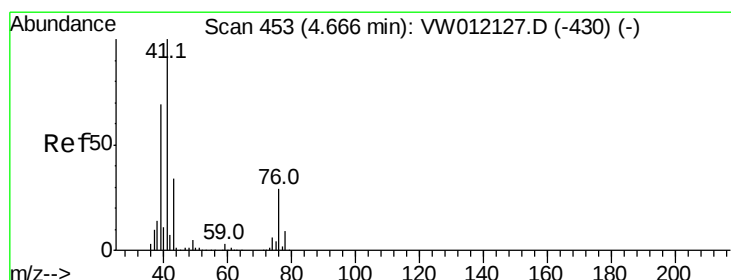
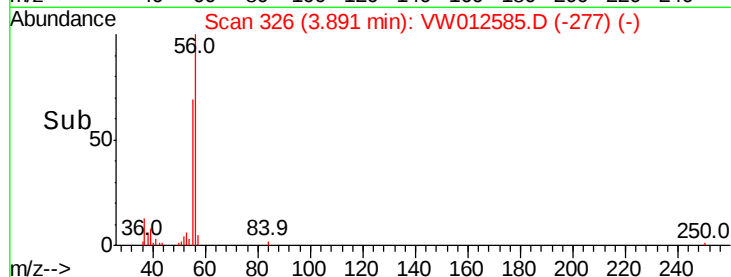
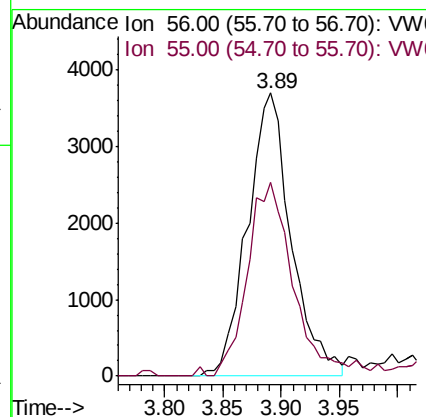
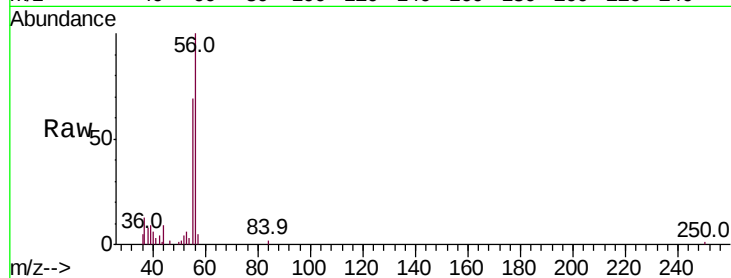
55 70.7 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 21.129 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

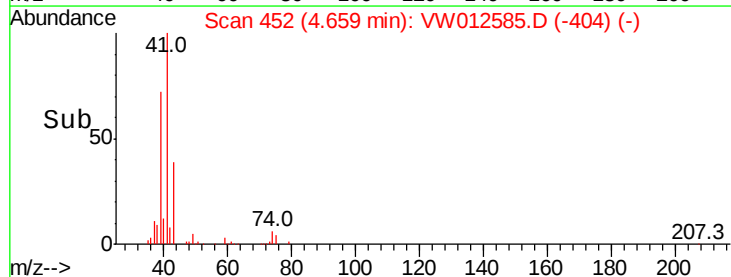
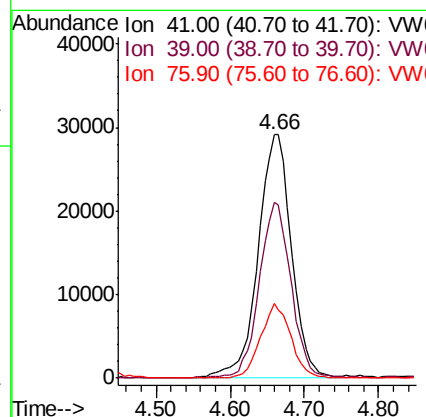
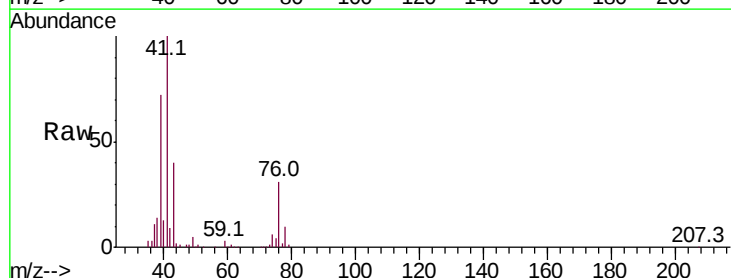
Tgt Ion: 41 Resp: 90656

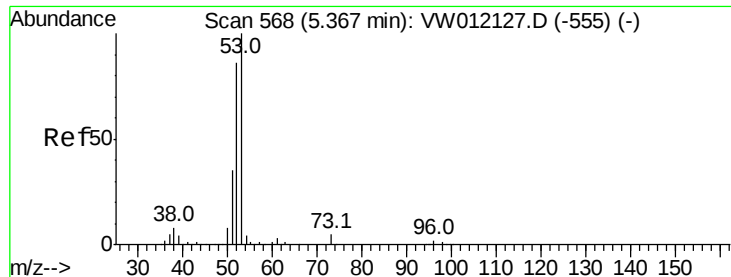
Ion Ratio Lower Upper

41 100

39 69.5 53.4 80.2

76 27.9 22.1 33.1





#15

Acrylonitrile

Concen: 109.285 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

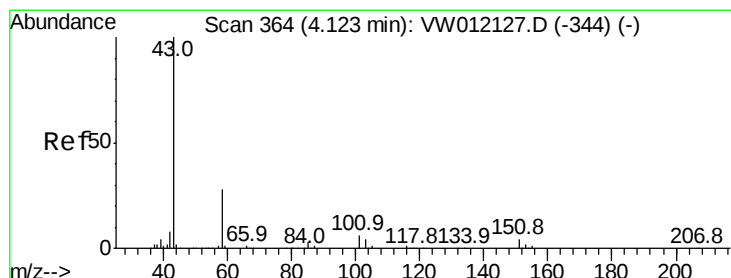
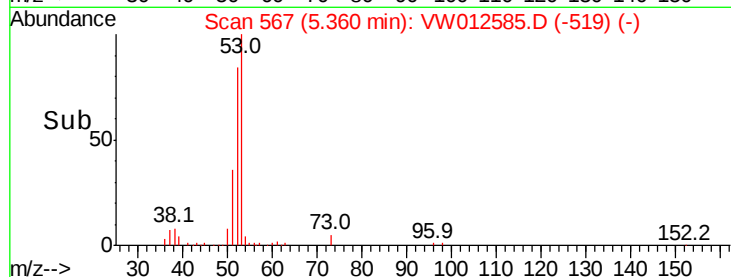
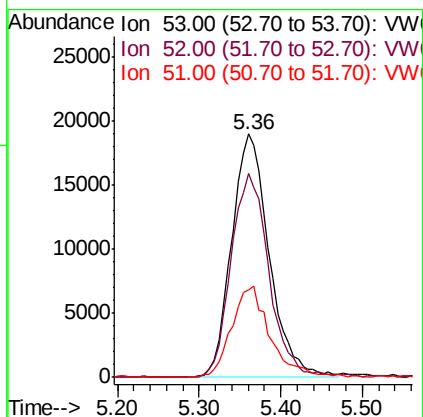
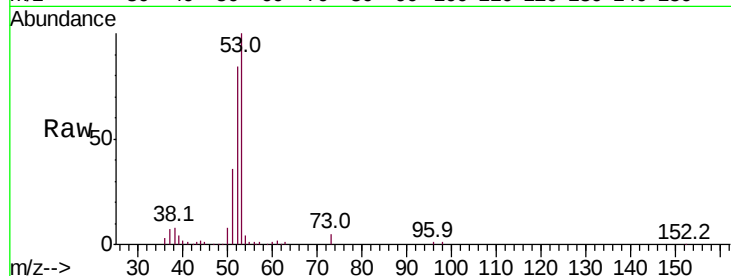
ClientSampleId :

VW0904SBS01

Tot Ion:	53	Resp:	60316
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.7	100.1
51	38.4	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 110.042 ug/l

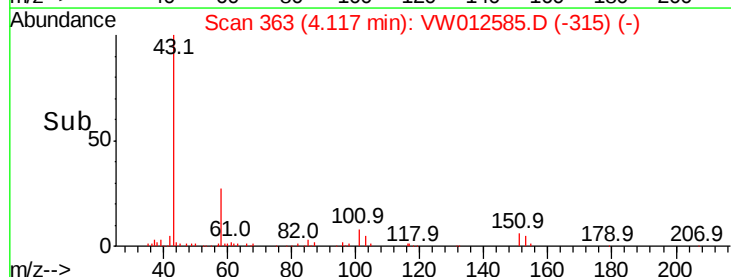
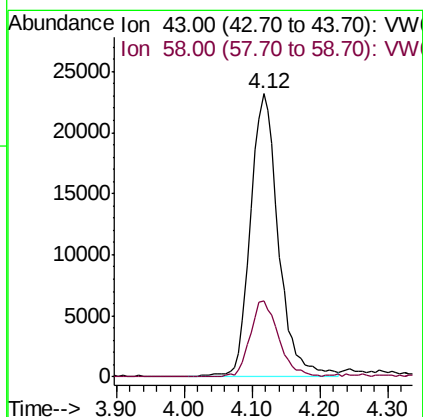
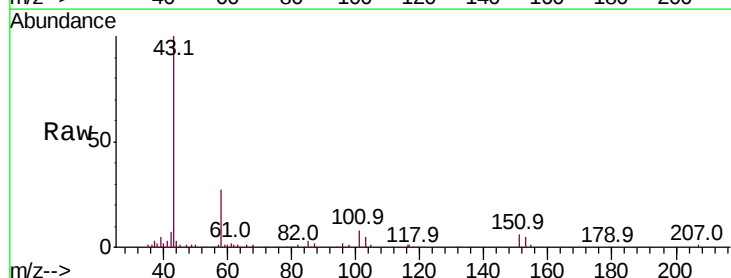
RT: 4.12 min Scan# 363

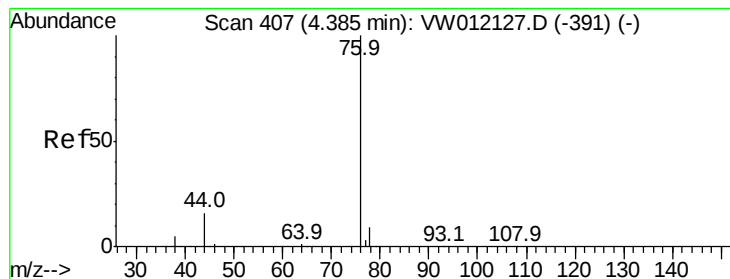
Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Tgt Ion:	43	Resp:	66907
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.4	33.6





#17

Carbon Disulfide

Concen: 17.061 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion: 76 Resp: 103486

Ion Ratio Lower Upper

76 100

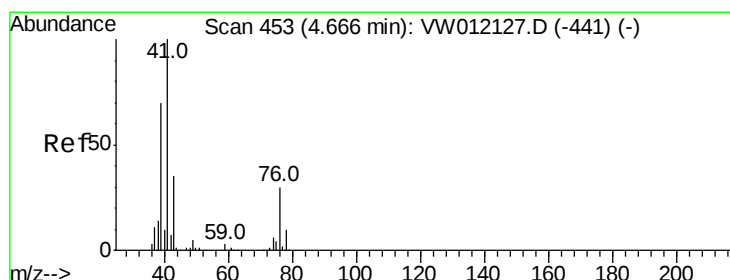
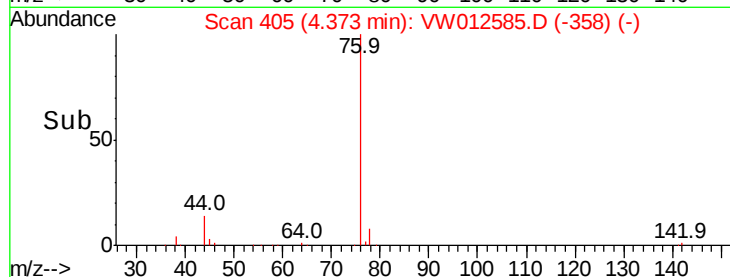
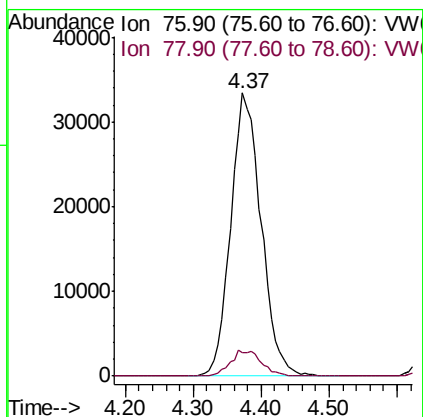
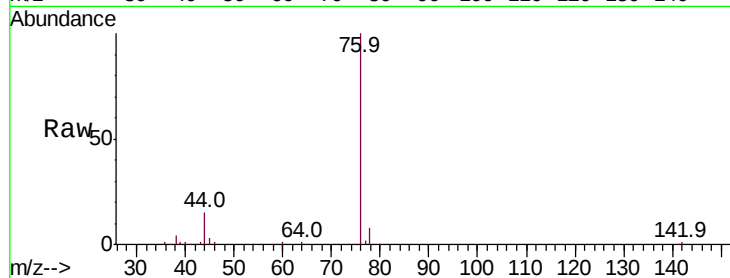
78 8.3 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 23.096 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012585.D

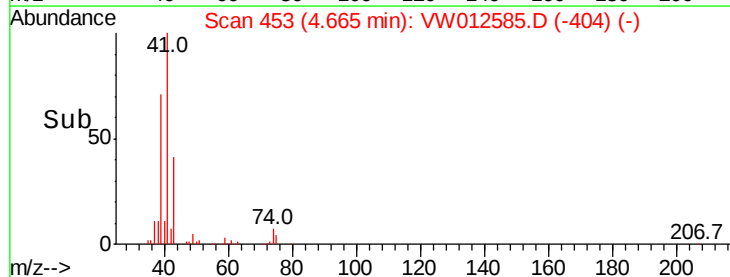
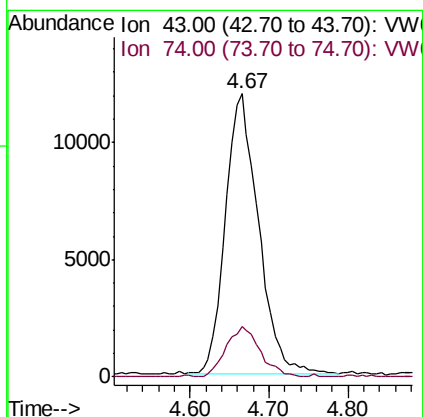
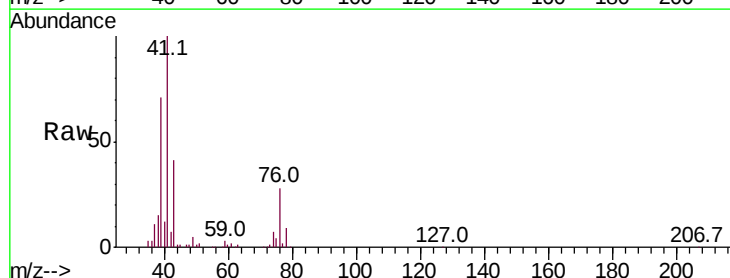
Acq: 04 Sep 2019 10:39

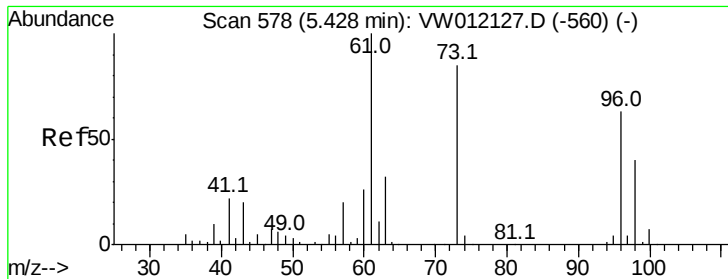
Tgt Ion: 43 Resp: 34781

Ion Ratio Lower Upper

43 100

74 18.7 15.7 23.5





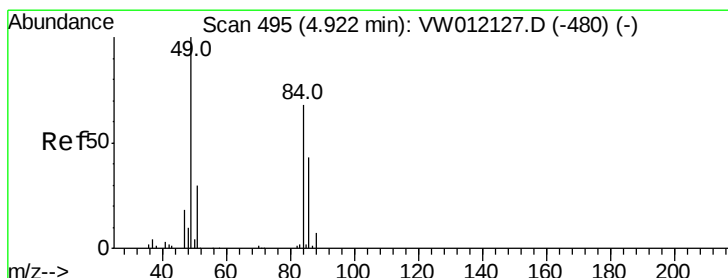
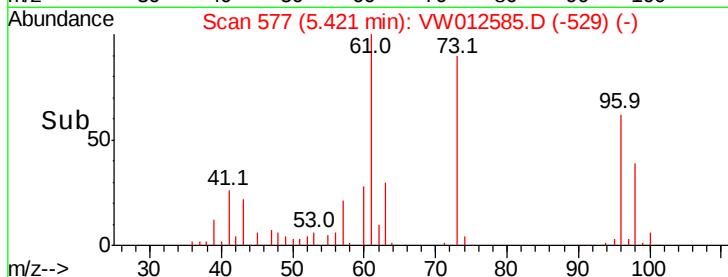
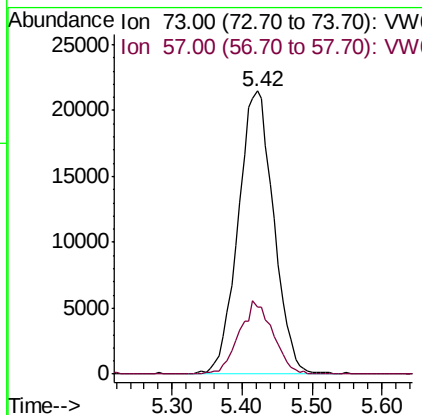
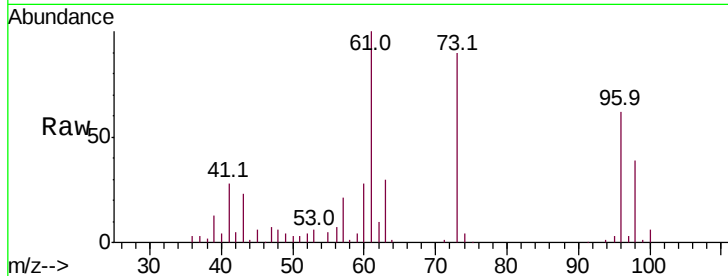
#19
Methyl tert-butyl Ether
Concen: 23.375 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampled :
VW0904SBS01

Tot Ion: 73 Resp: 75867
Ion Ratio Lower Upper
73 100
57 23.8 18.9 28.3

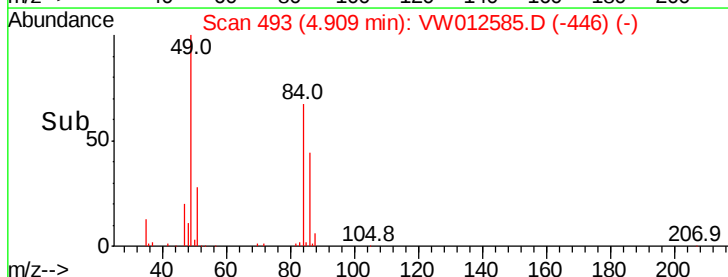
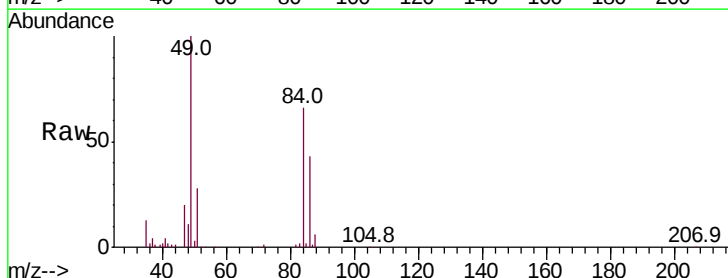
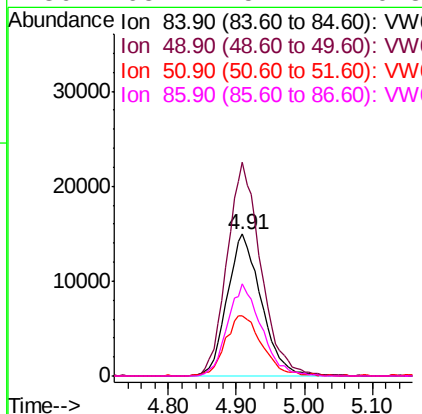
Manual Integrations
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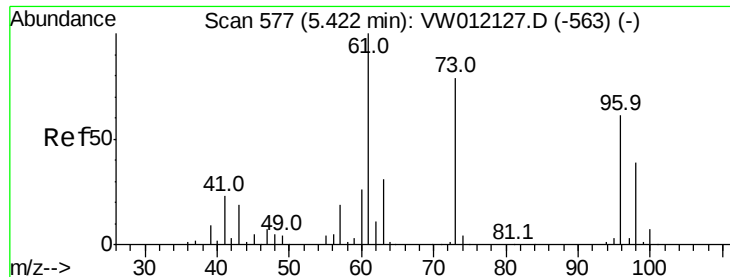
MMDadoda
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#20
Methylene Chloride
Concen: 22.653 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion: 84 Resp: 52069
Ion Ratio Lower Upper
84 100
49 150.5 117.8 176.8
51 42.5 35.6 53.4
86 65.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 21.263 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion: 96 Resp: 45763

Ion Ratio Lower Upper

96 100

61 165.7 131.4 197.0

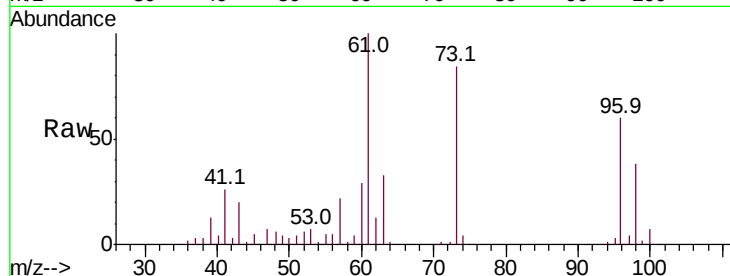
98 63.1 51.4 77.0

Manual Integrations

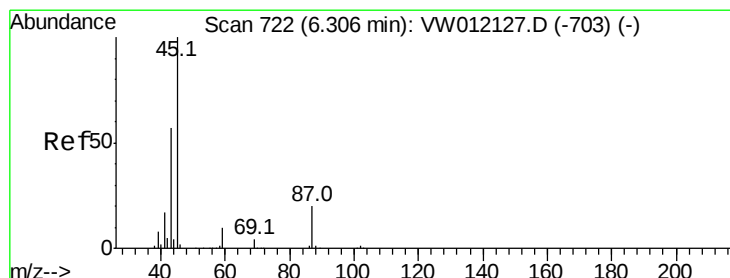
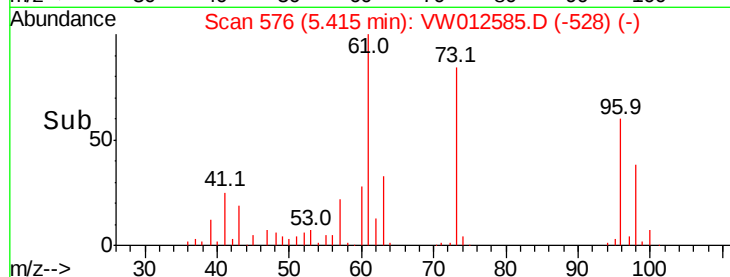
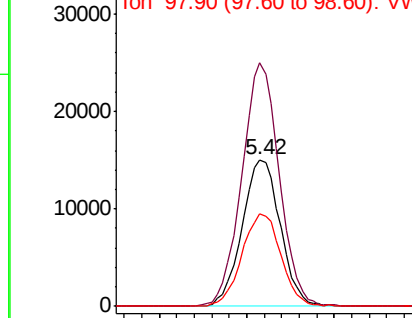
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.518 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Tgt Ion: 45 Resp: 179091

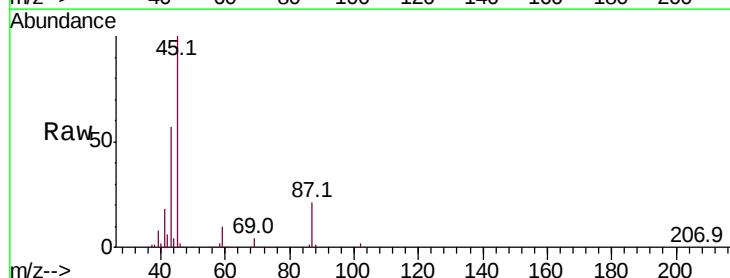
Ion Ratio Lower Upper

45 100

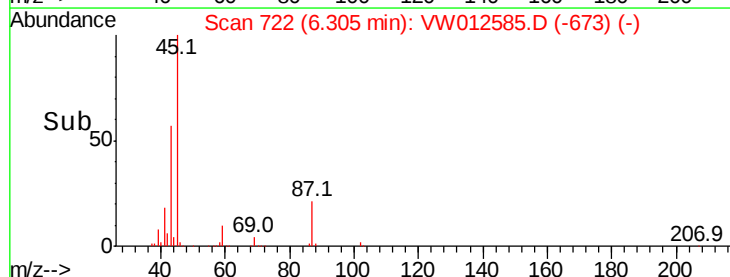
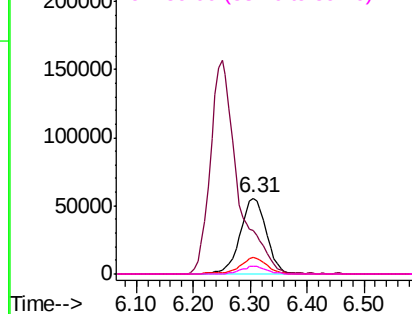
43 55.8 45.5 68.3

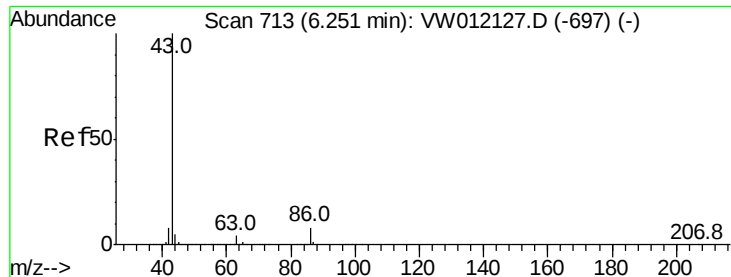
87 21.3 16.1 24.1

59 9.9 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





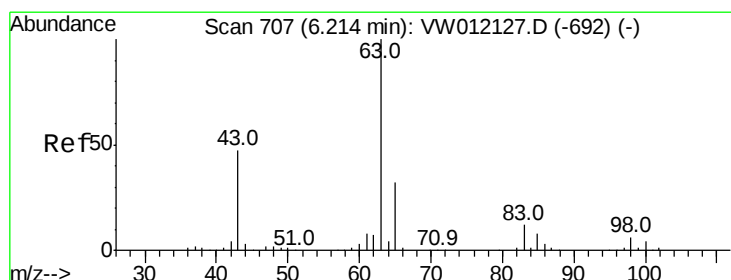
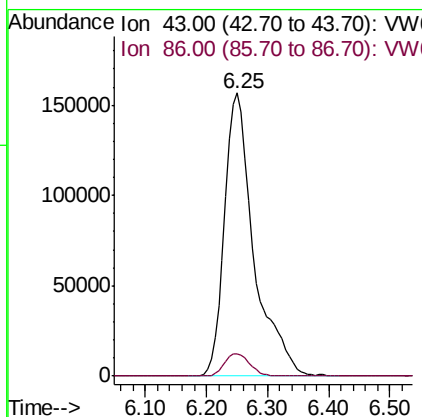
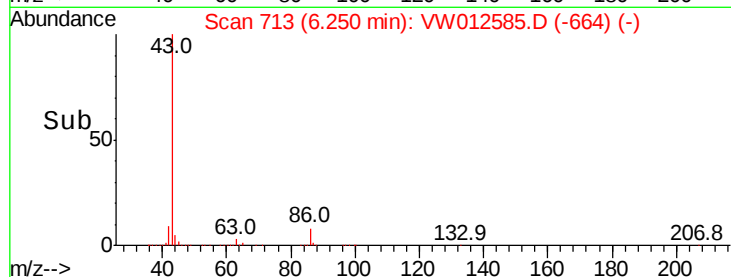
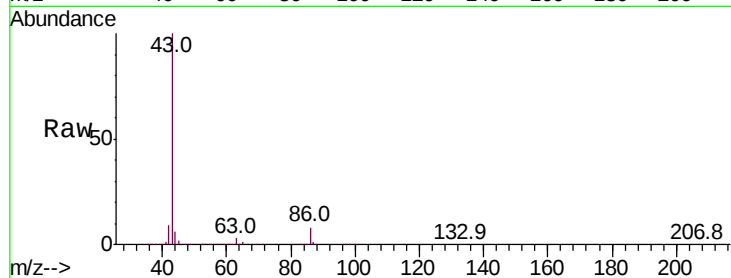
#23
 Vinyl Acetate
 Concen: 106.553 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	521521		
86	8.1	6.5	9.7	

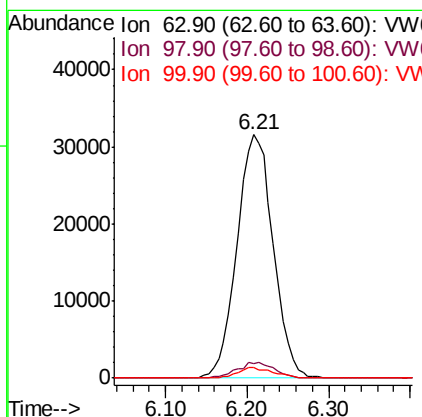
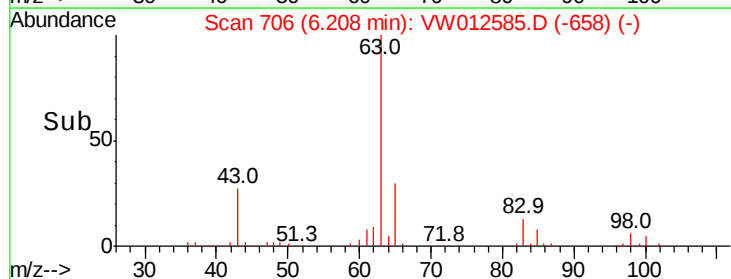
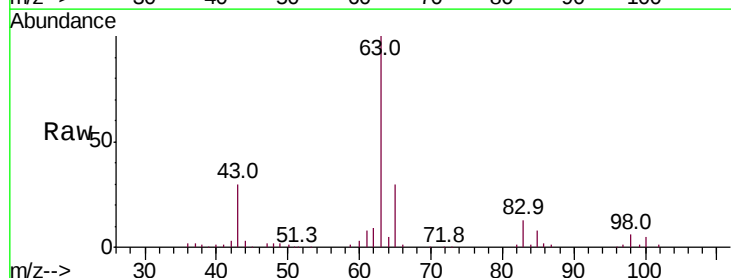
Manual Integrations
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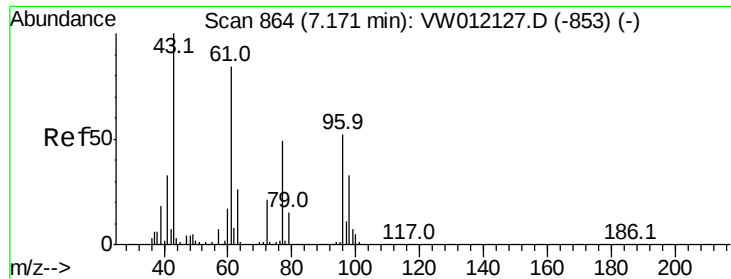
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#24
 1,1-Dichloroethane
 Concen: 22.421 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	97093		
98	6.2	3.0	9.2	
100	4.6	2.0	6.0	





#25

2-Butanone

Concen: 108.606 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion: 43 Resp: 89733

Ion Ratio Lower Upper

43 100

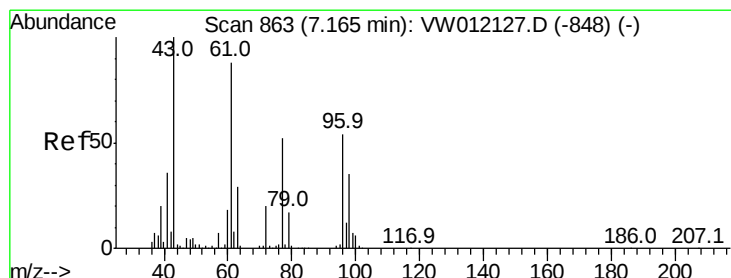
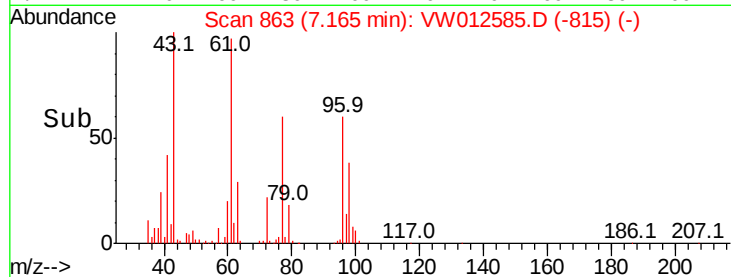
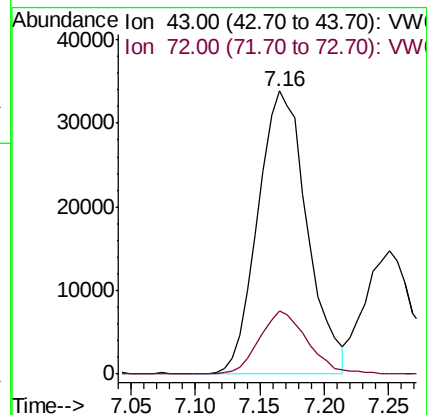
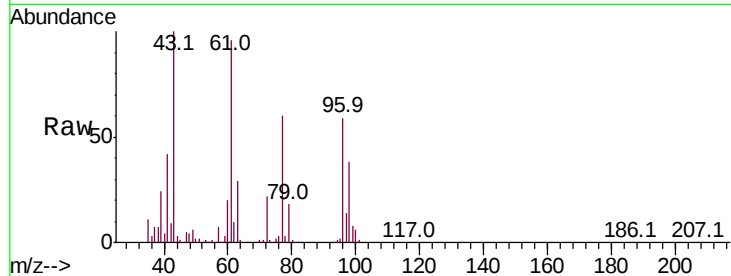
72 22.4 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:10 AM



#26

2,2-Dichloropropane

Concen: 23.995 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012585.D

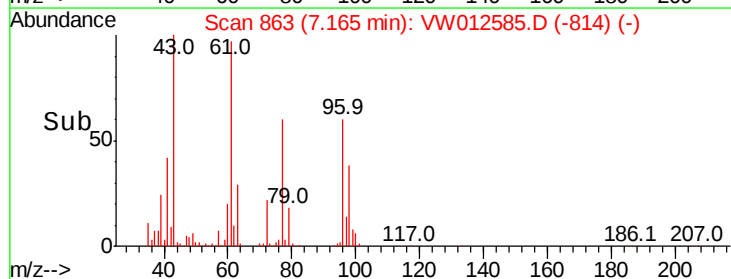
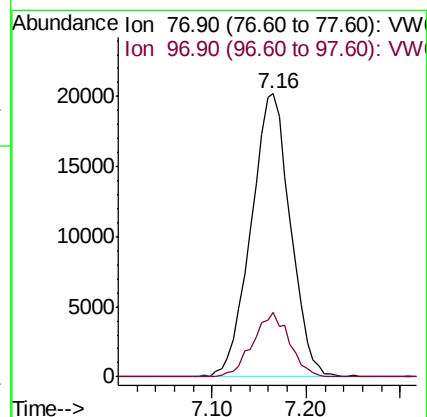
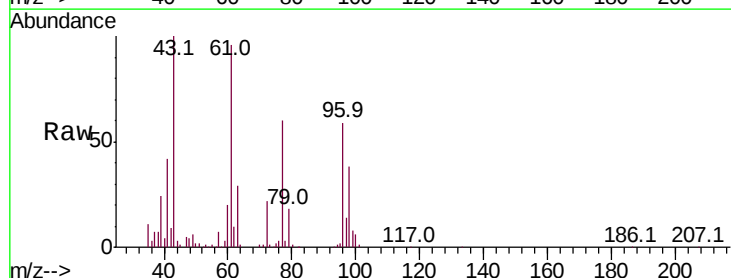
Acq: 04 Sep 2019 10:39

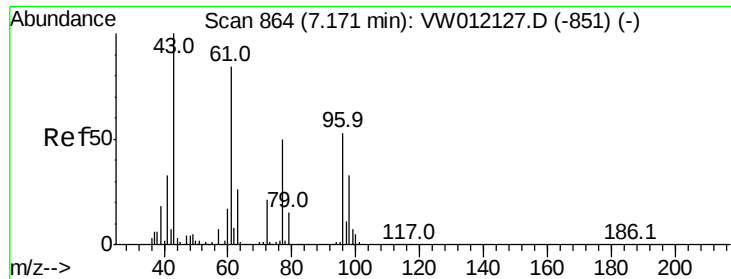
Tgt Ion: 77 Resp: 58813

Ion Ratio Lower Upper

77 100

97 21.2 11.1 33.1





#27

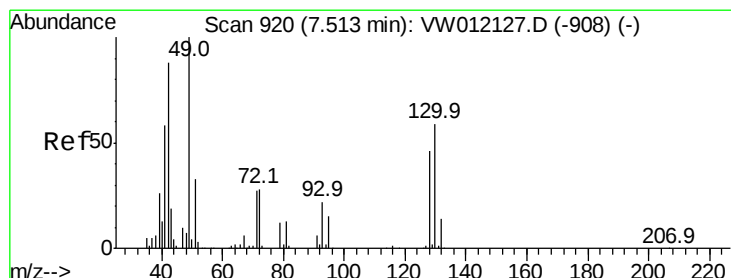
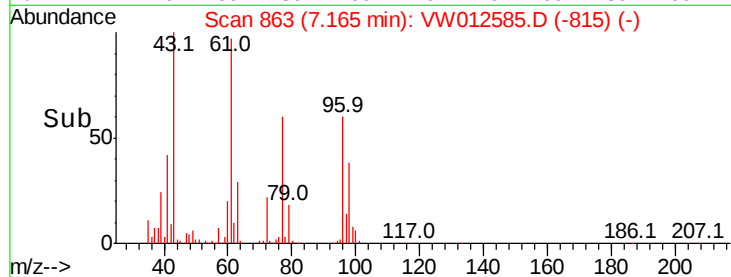
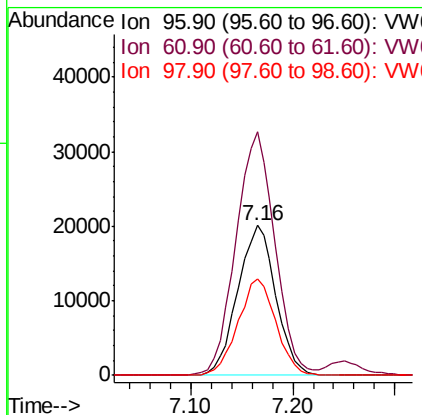
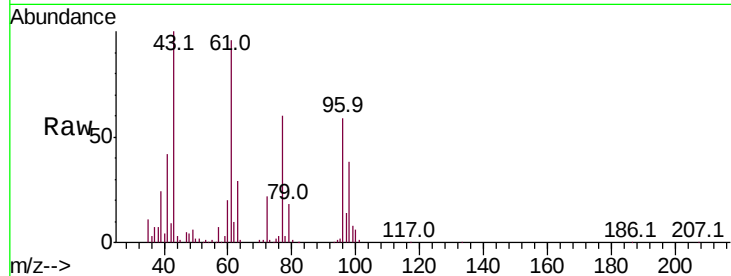
cis-1,2-Dichloroethene
Concen: 22.626 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.5	0.0	326.6
98	64.1	0.0	127.4

Manual Integrations
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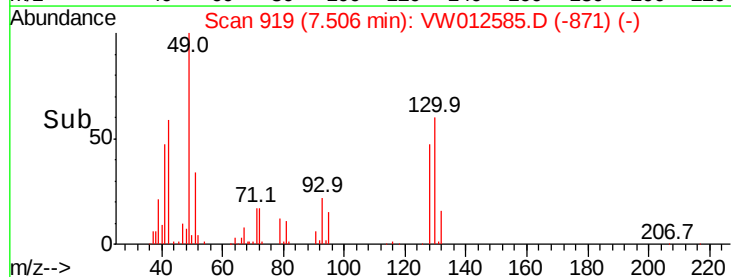
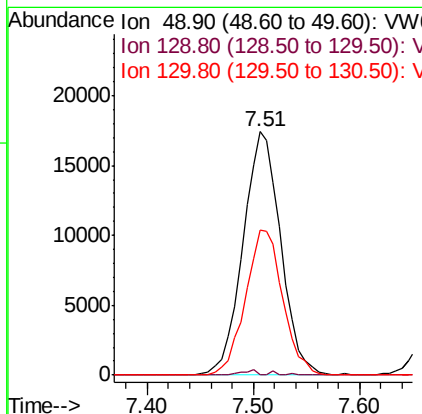
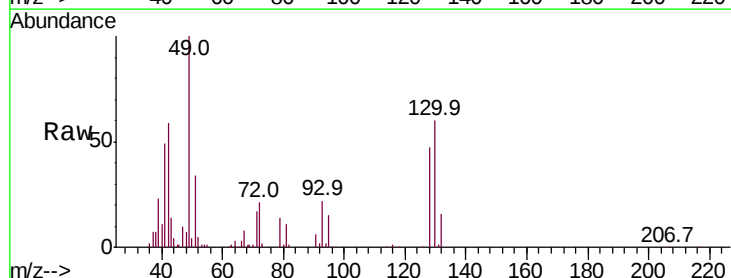
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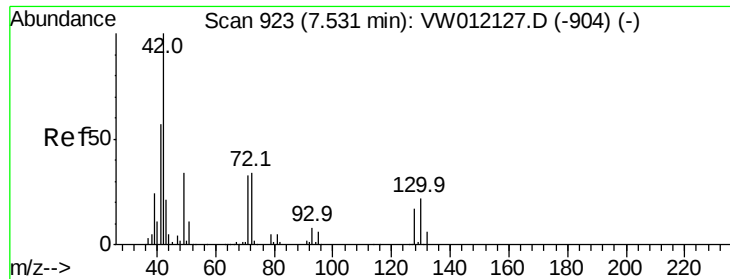


#28

Bromochloromethane
Concen: 22.972 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.4
130	58.6	45.5	68.3





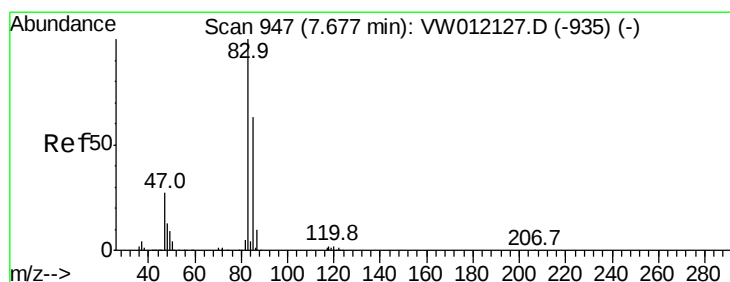
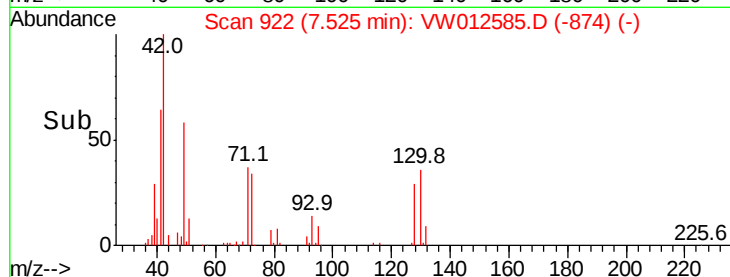
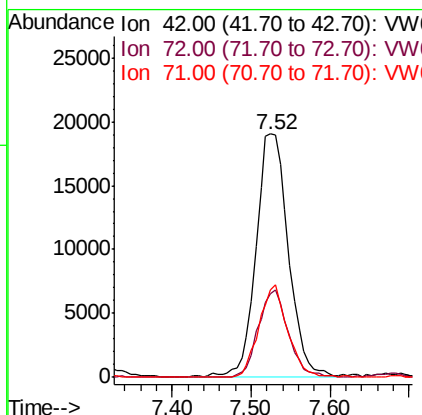
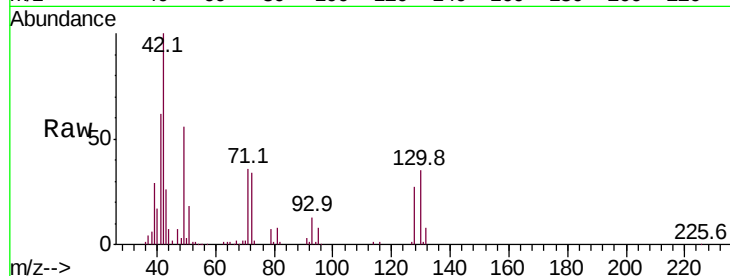
#29
Tetrahydrofuran
Concen: 110.200 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.0	27.3	40.9
71	33.4	25.5	38.3

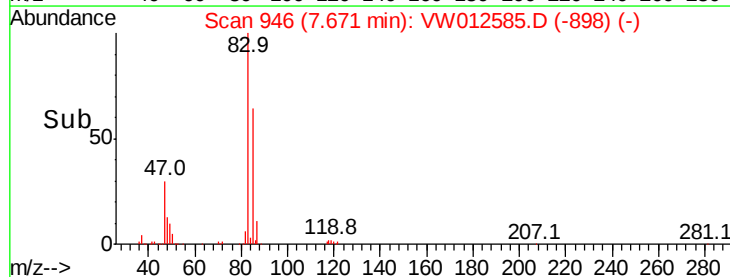
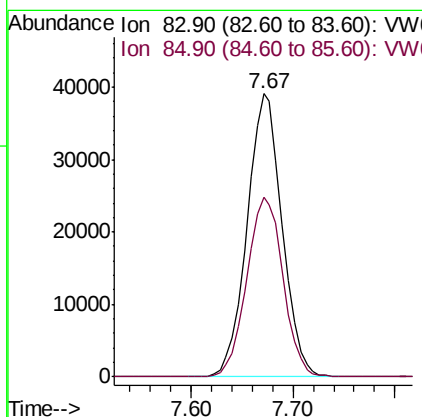
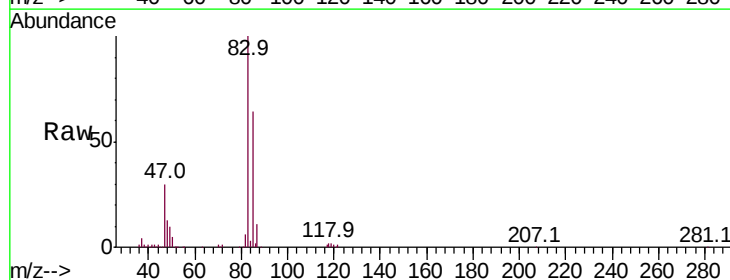
Manual Integrations
APPROVED

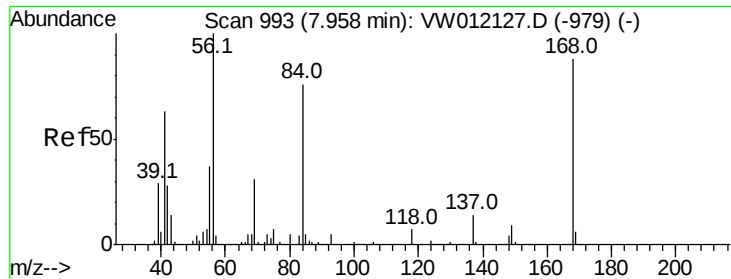
MMDadoda
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#30
Chloroform
Concen: 23.524 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	76.0





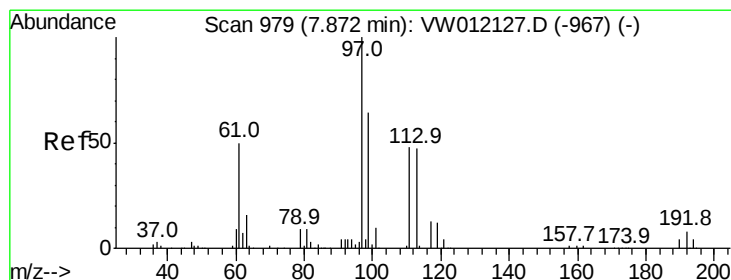
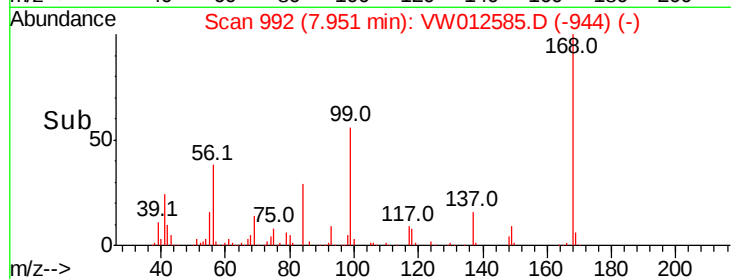
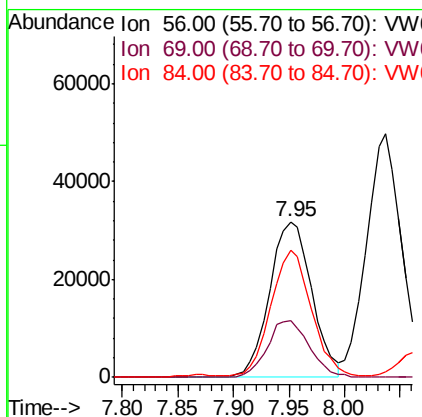
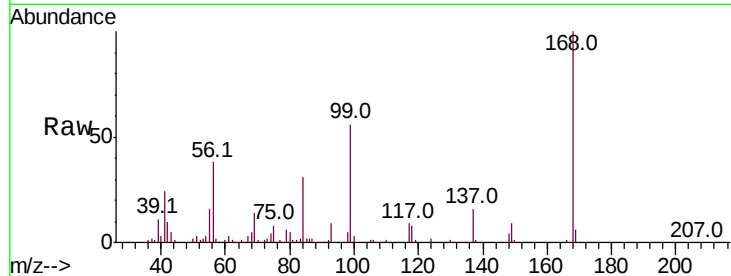
#31
Cyclohexane
Concen: 19.588 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	24.9	37.3
84	80.3	60.6	90.8

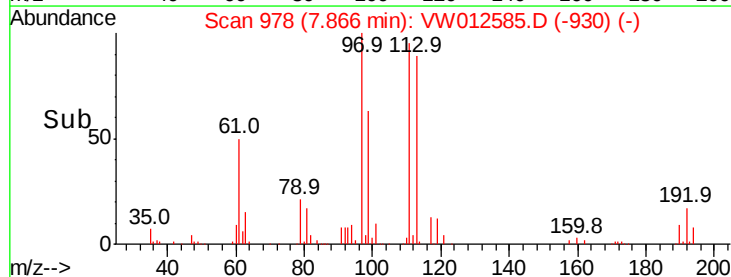
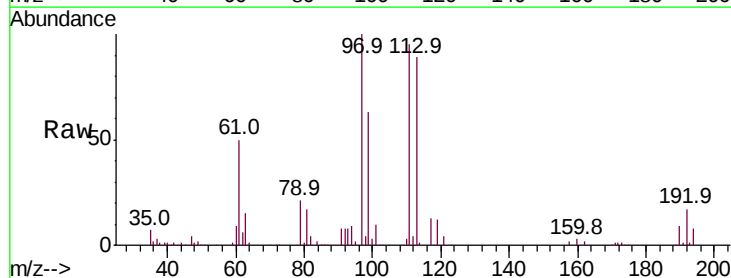
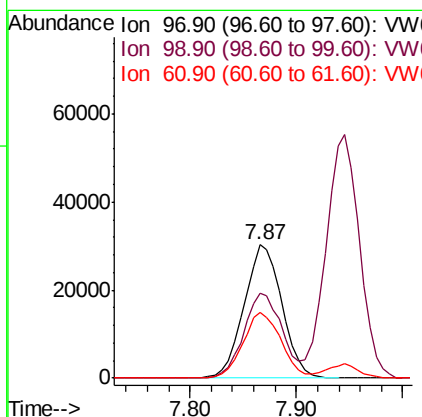
Manual Integrations
APPROVED

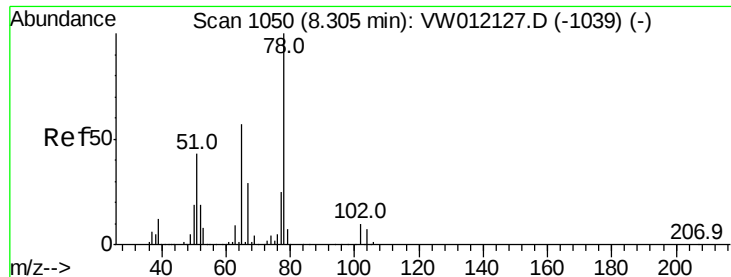
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 24.095 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	49.4	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 57.407 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion: 65 Resp: 136547

Ion Ratio Lower Upper

65 100

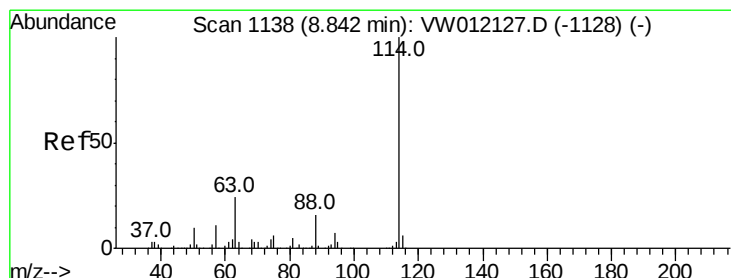
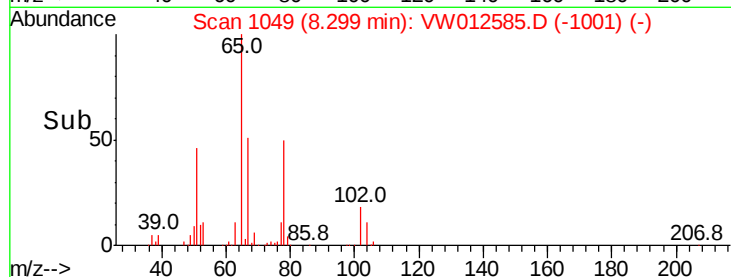
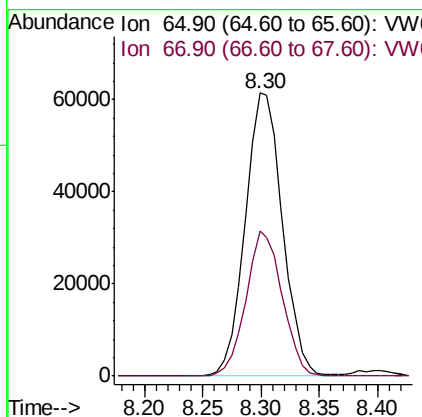
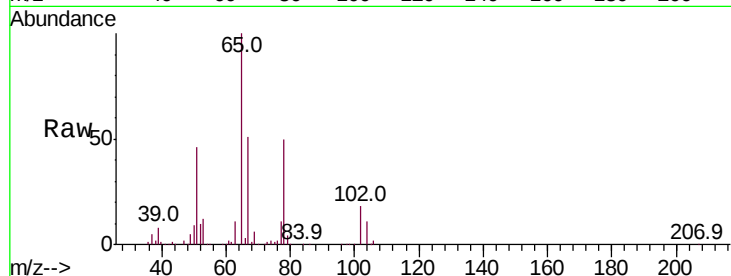
67 50.1 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

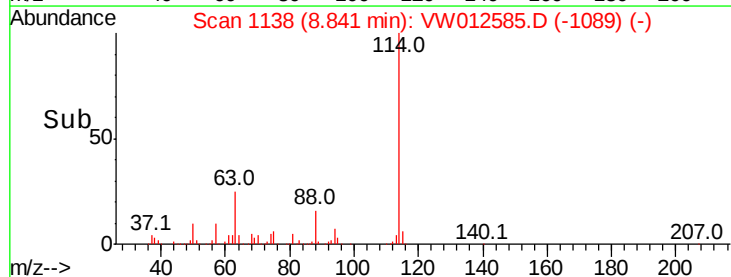
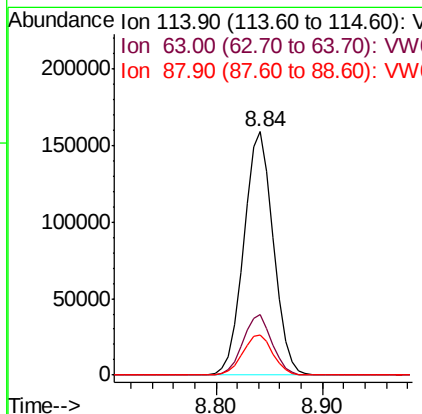
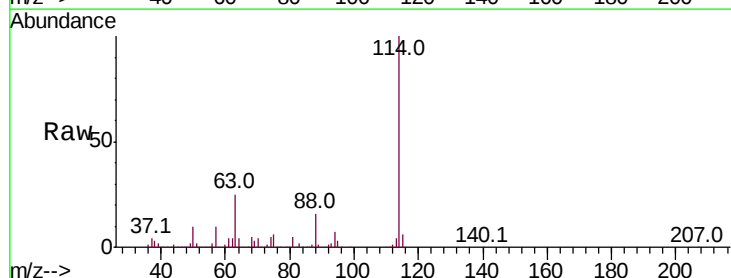
Tgt Ion: 114 Resp: 309749

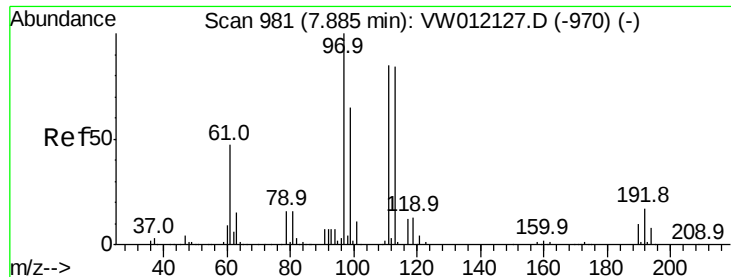
Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 57.339 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

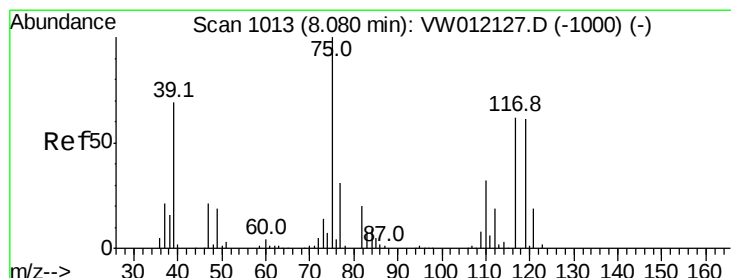
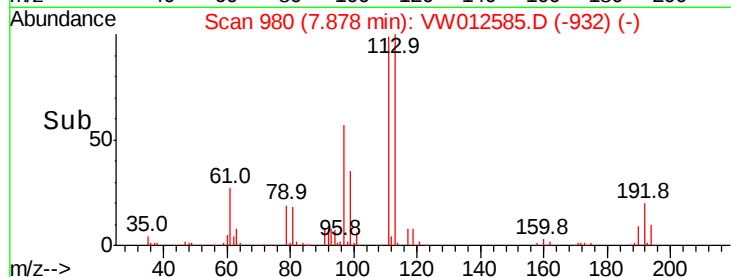
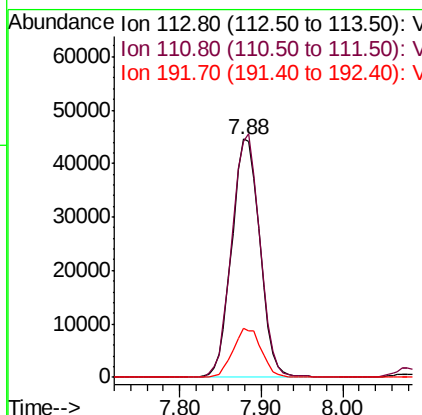
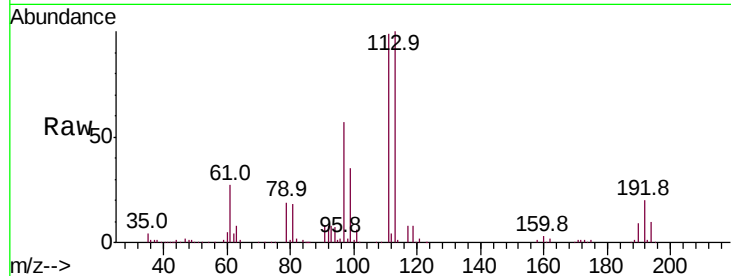
ClientSampleId :

VW0904SBS01

Tot Ion:	113	Resp:	106015
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.7	124.1
192	20.5	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.718 ug/l

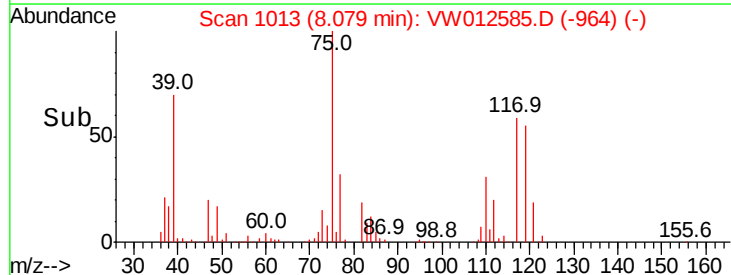
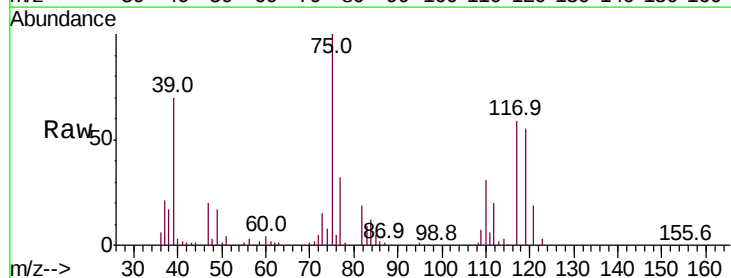
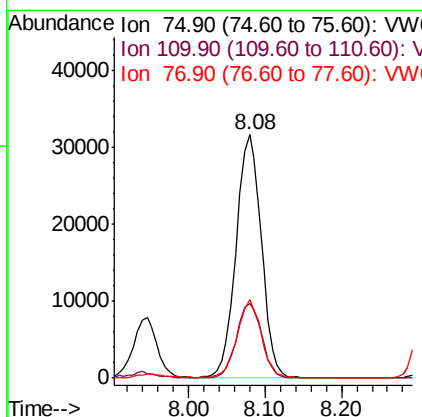
RT: 8.08 min Scan# 1013

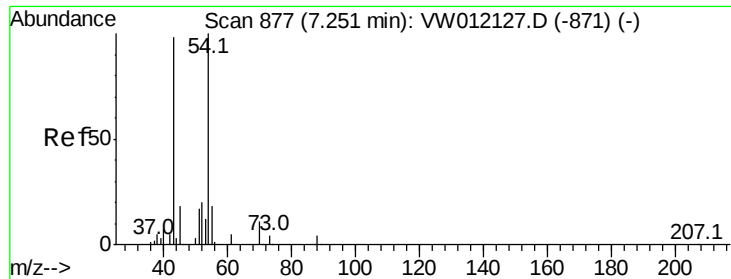
Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Tgt Ion:	75	Resp:	72719
Ion Ratio	Lower	Upper	
75	100		
110	30.7	15.6	46.8
77	31.1	24.6	36.8





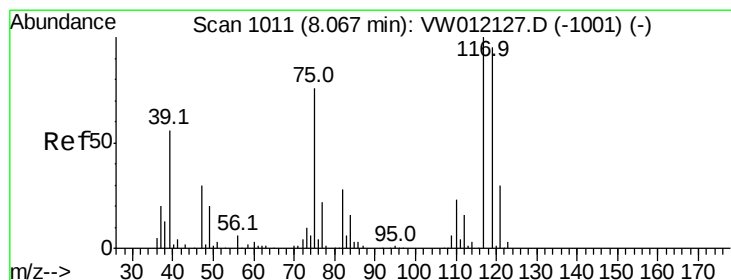
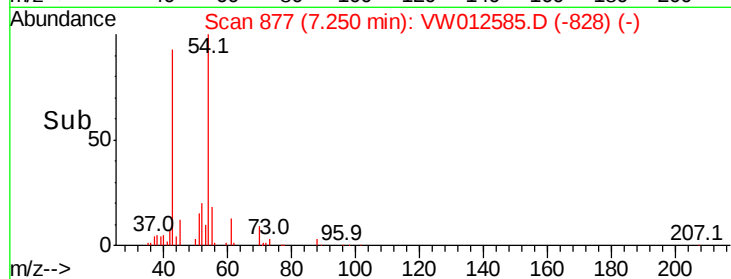
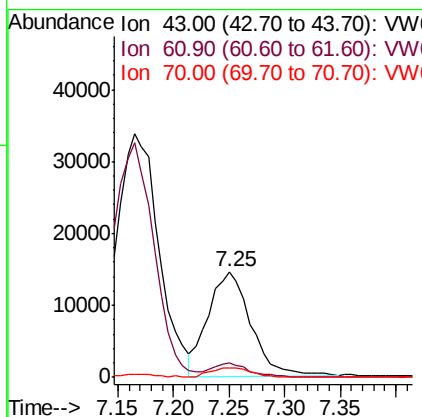
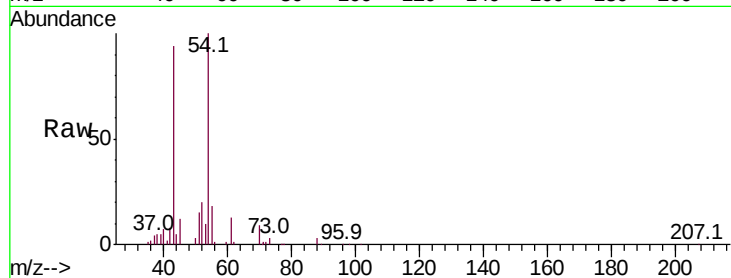
#37
Ethyl Acetate
Concen: 22.146 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampled :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.2	13.8
70	9.2	6.9	10.3

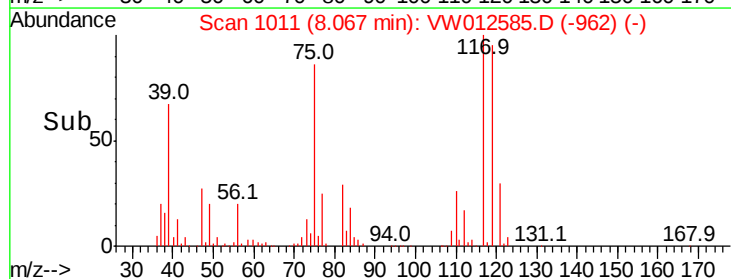
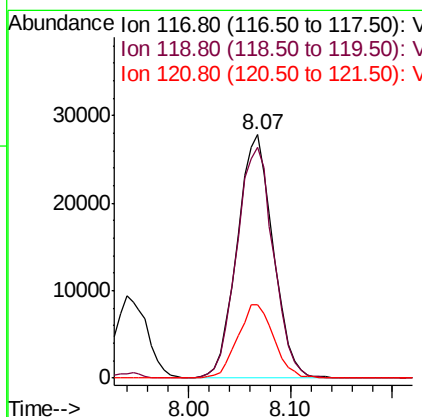
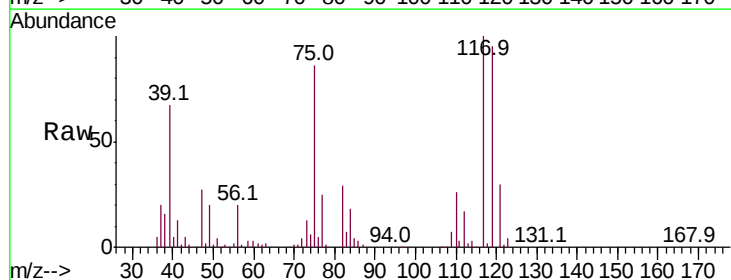
Manual Integrations
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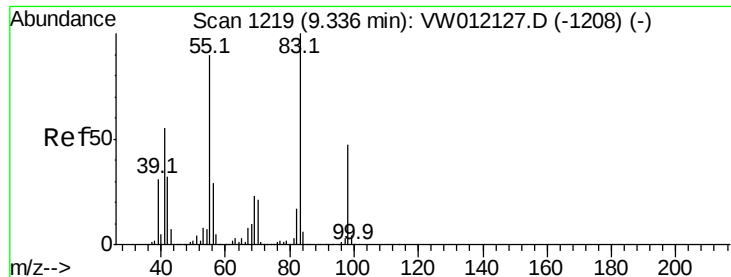
MMDadoda
9/7/2019 12:46:10 AM



#38
Carbon Tetrachloride
Concen: 24.540 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.2	114.2
121	30.2	23.8	35.8





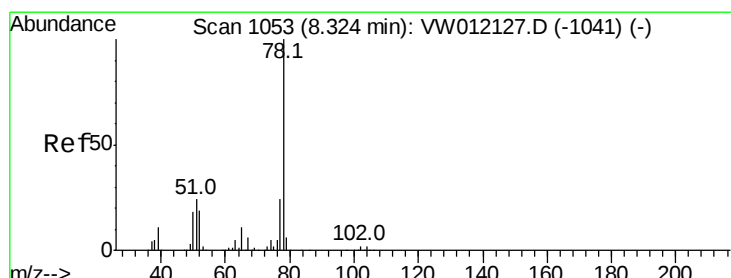
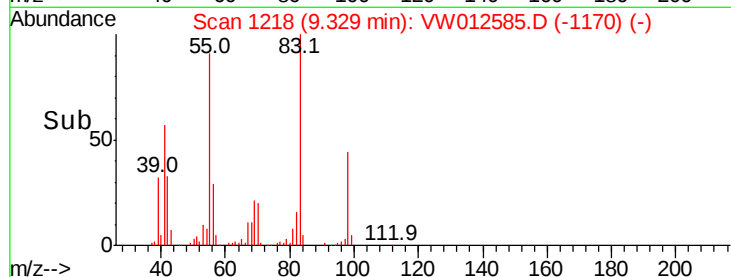
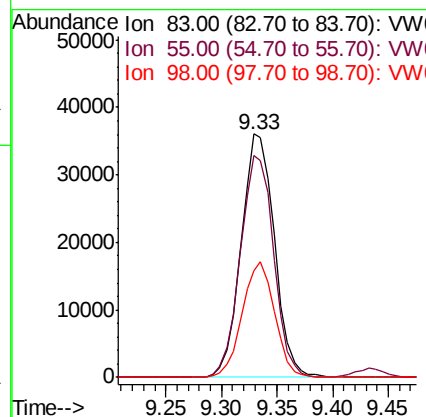
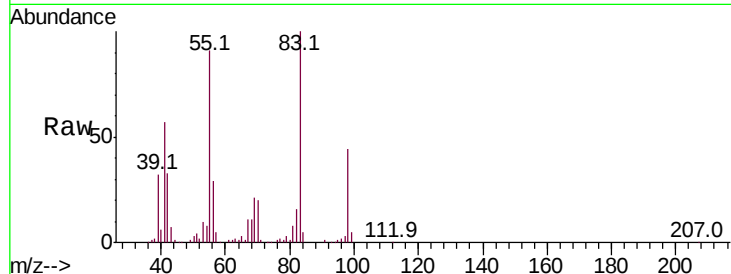
#39
Methvlcvclohexane
Concen: 20.764 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.9	71.8	107.8
98	43.7	37.8	56.8

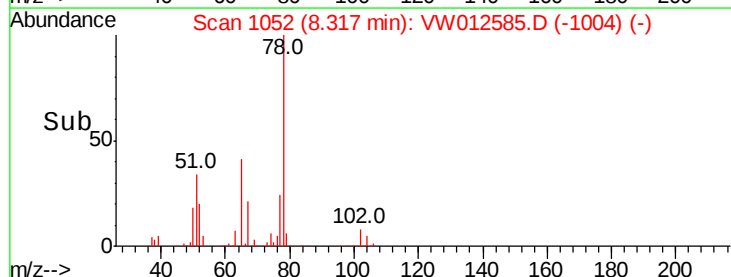
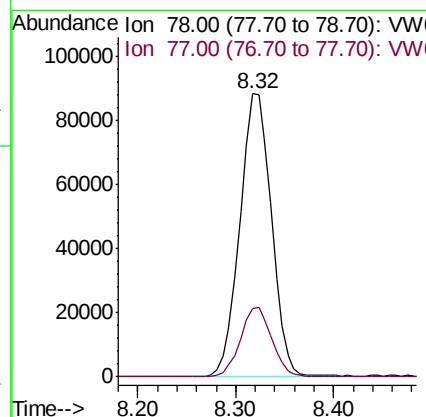
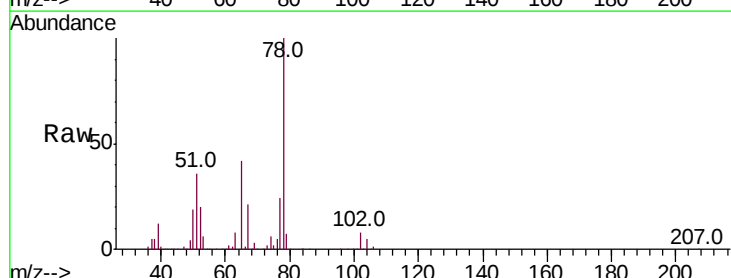
Manual Integrations
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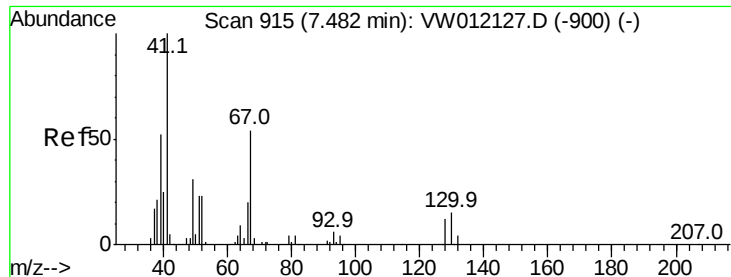
MMDadoda
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#40
Benzene
Concen: 22.726 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





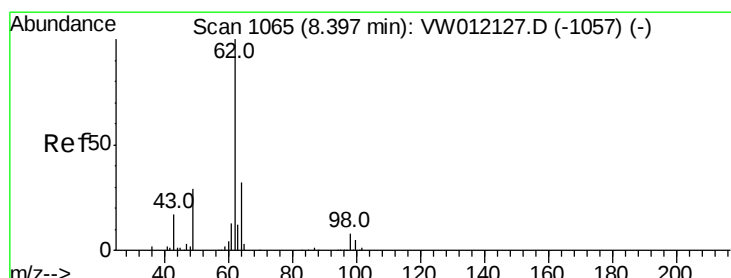
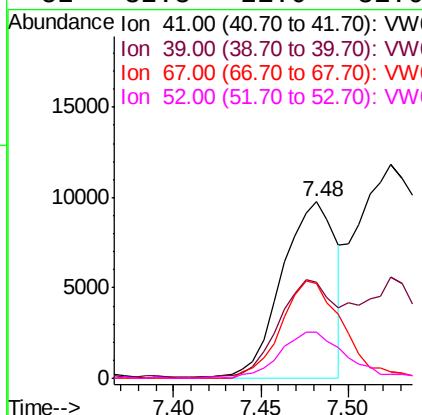
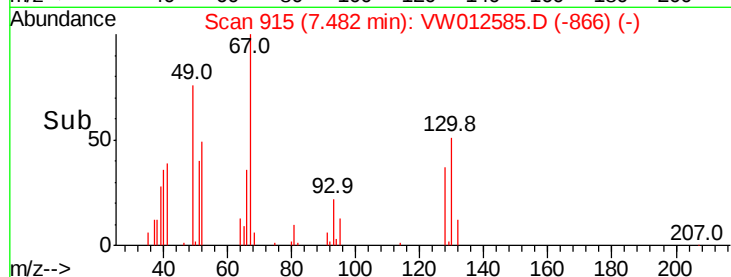
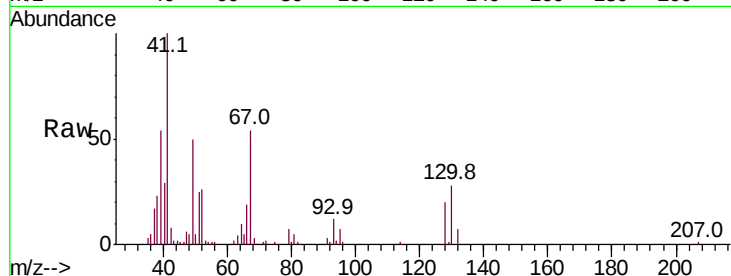
#41
Methacrylonitrile
Concen: 20.467 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.8	45.8	68.8
67	62.9	46.2	69.4
52	32.3	21.0	31.6#

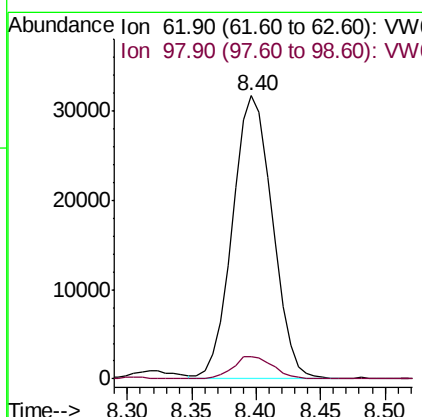
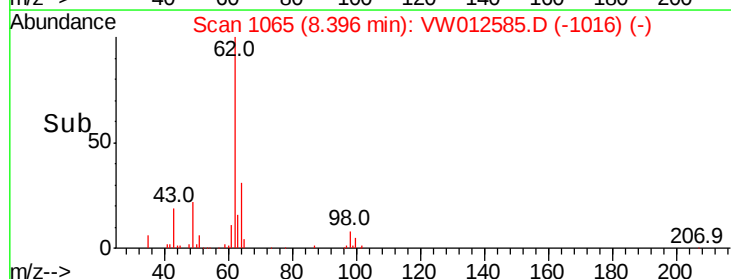
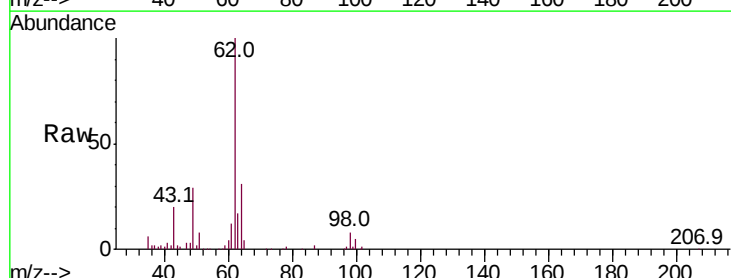
Manual Integrations
APPROVED

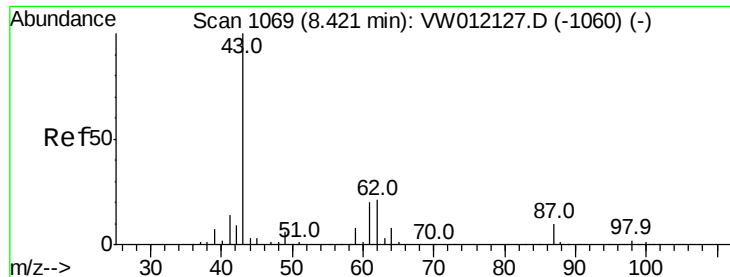
MMDadoda
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#42
1,2-Dichloroethane
Concen: 24.976 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 22.319 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

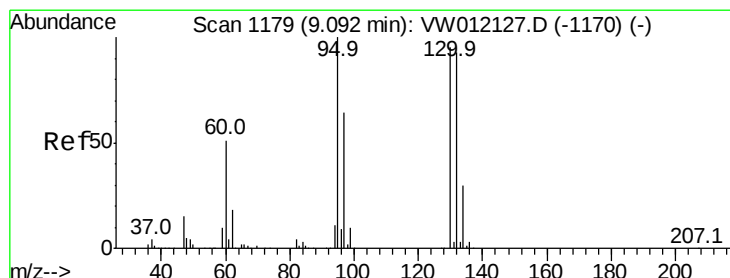
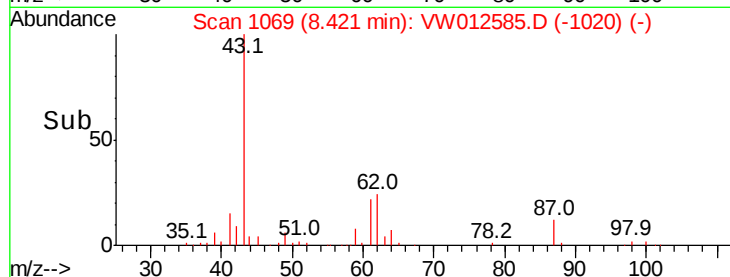
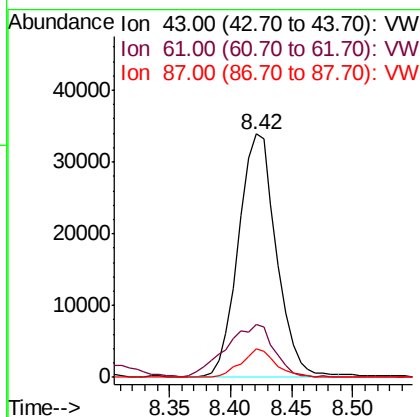
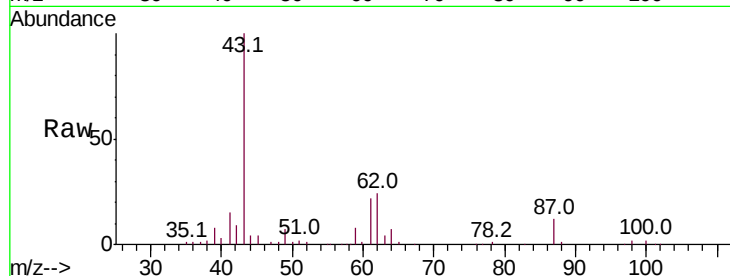
ClientSampleId :

VW0904SBS01

Tot Ion:	43	Resp:	72516
Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.1	31.7
87	10.7	8.2	12.2

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#44

Trichloroethene

Concen: 23.154 ug/l

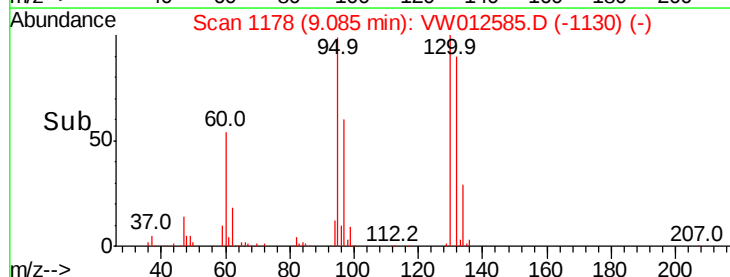
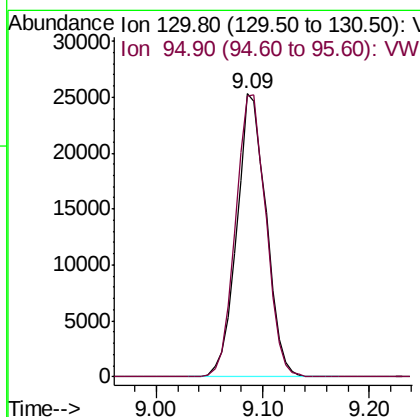
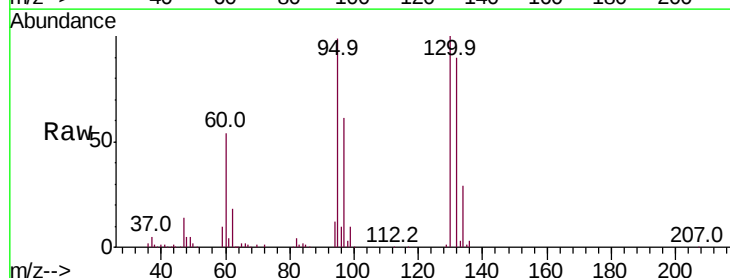
RT: 9.09 min Scan# 1178

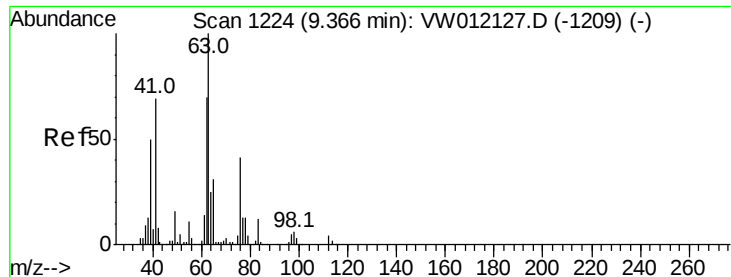
Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Tgt Ion:	130	Resp:	49197
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	210.6





#45

1,2-Dichloropropane

Concen: 22.934 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion: 63 Resp: 53948

Ion Ratio Lower Upper

63 100

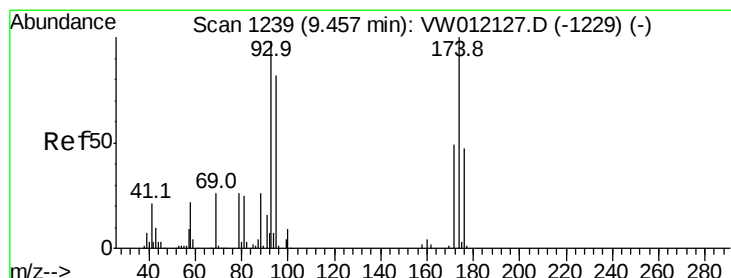
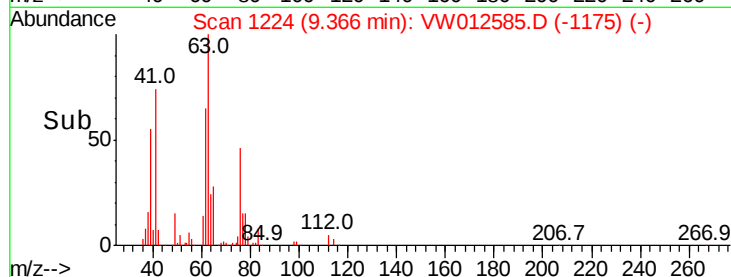
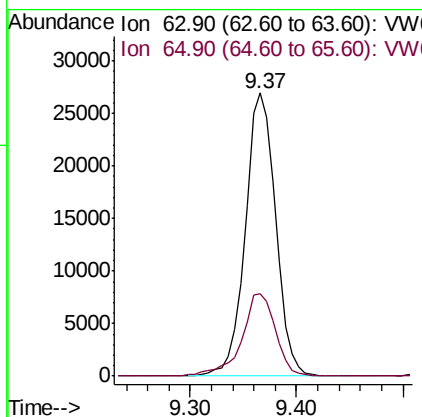
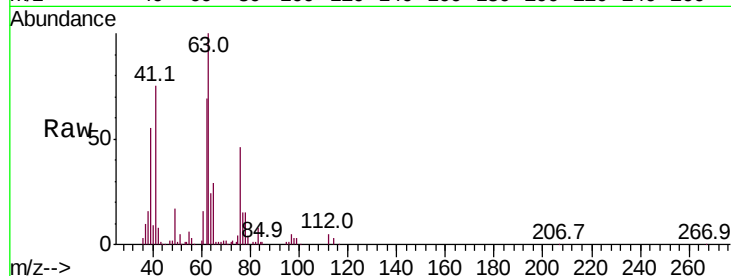
65 29.3 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 23.290 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

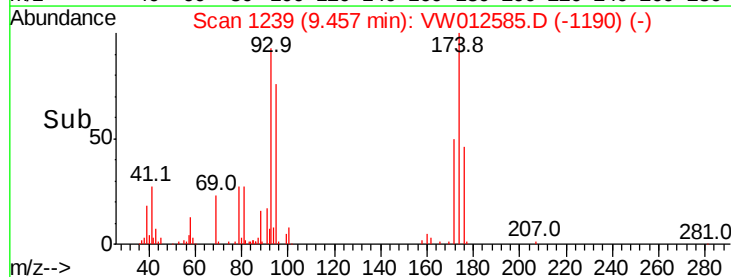
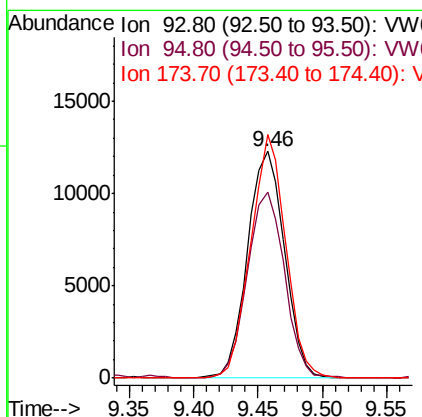
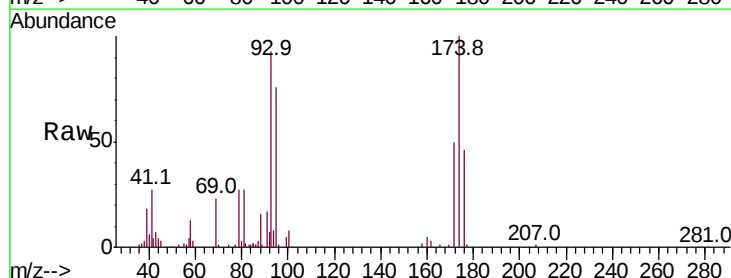
Tgt Ion: 93 Resp: 24375

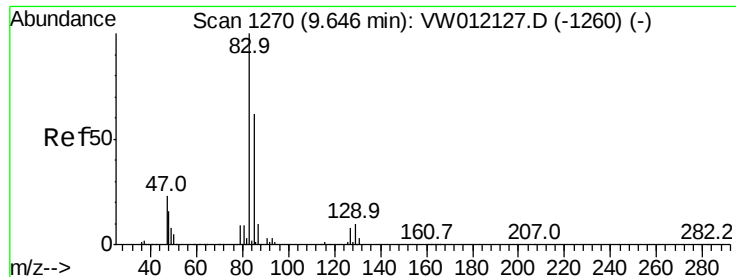
Ion Ratio Lower Upper

93 100

95 82.8 67.2 100.8

174 101.5 79.0 118.6





#47

Bromodichloromethane

Concen: 24.451 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

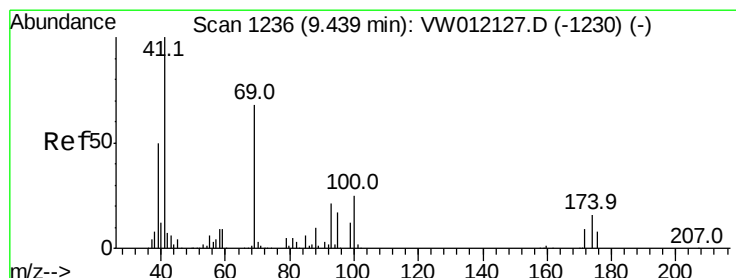
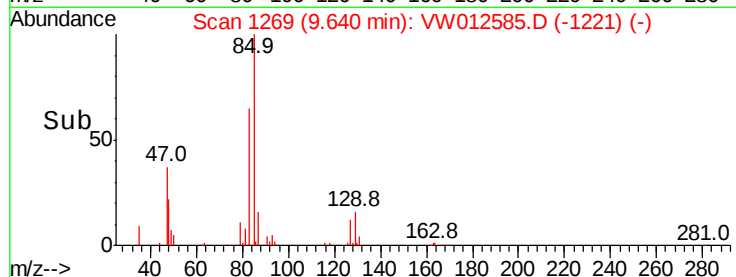
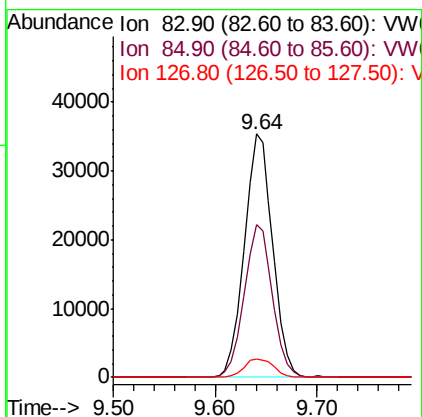
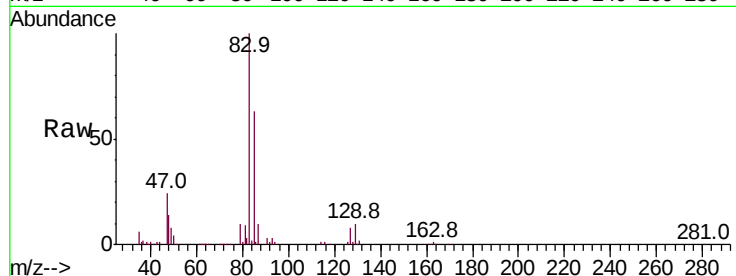
ClientSampleId :

VW0904SBS01

Tot Ion:	83	Resp:	68107
Ion Ratio	Lower	Upper	
83	100		
85	62.7	49.4	74.2
127	7.6	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.386 ug/l

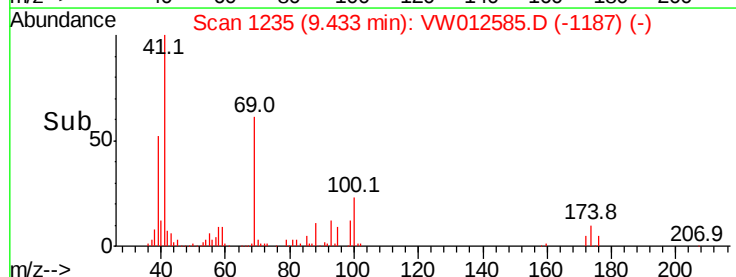
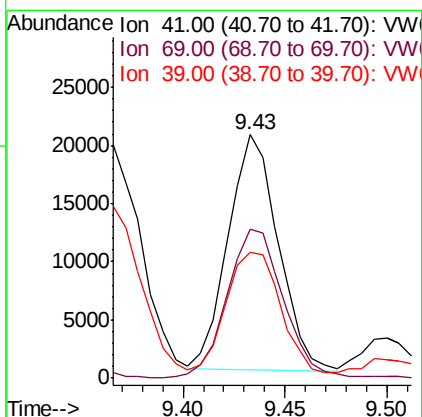
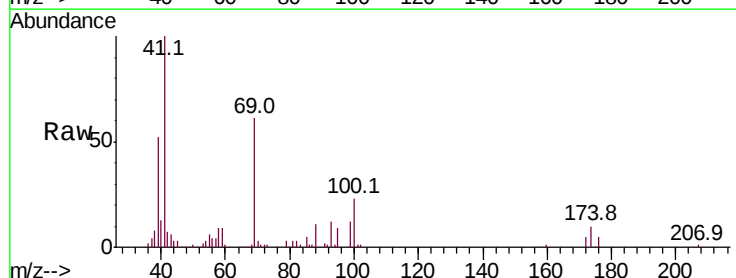
RT: 9.43 min Scan# 1235

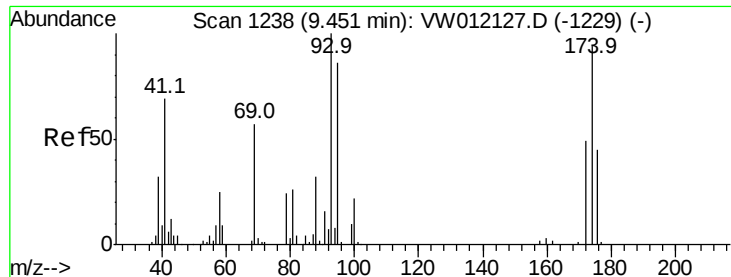
Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Tgt Ion:	41	Resp:	34617
Ion Ratio	Lower	Upper	
41	100		
69	71.2	56.7	85.1
39	59.8	42.0	63.0





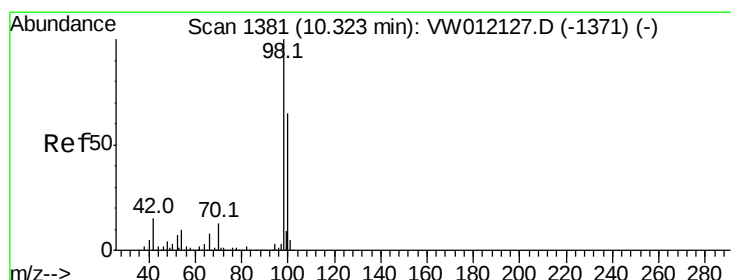
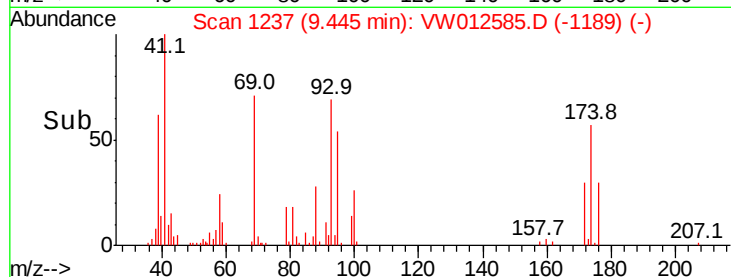
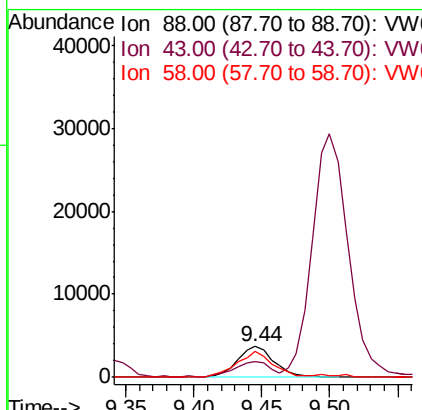
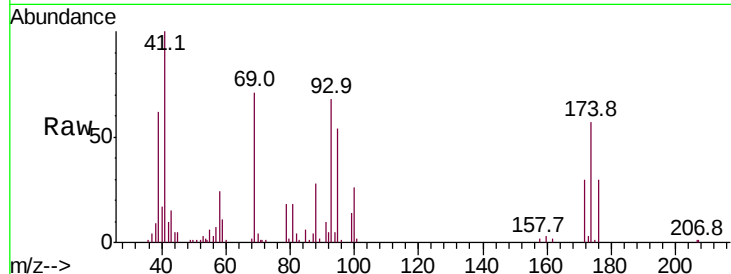
#49
1,4-Dioxane
Concen: 444.197 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	88	Resp	7117
Ion	Ratio	Lower	Upper
88	100		
43	48.3	32.9	49.3
58	81.9	71.0	106.4

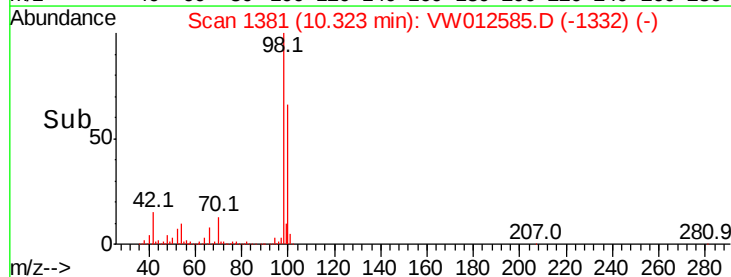
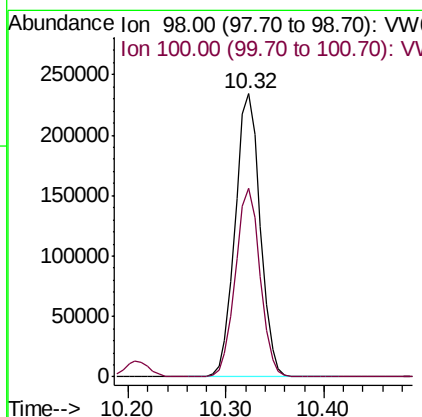
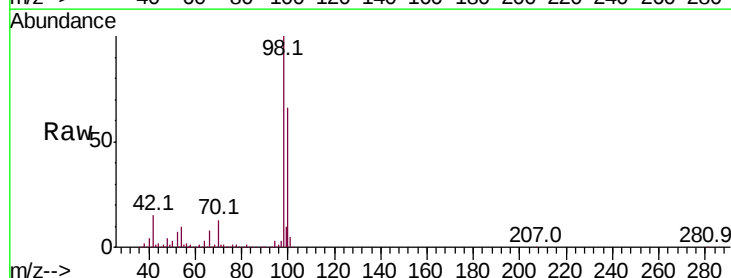
Manual Integrations
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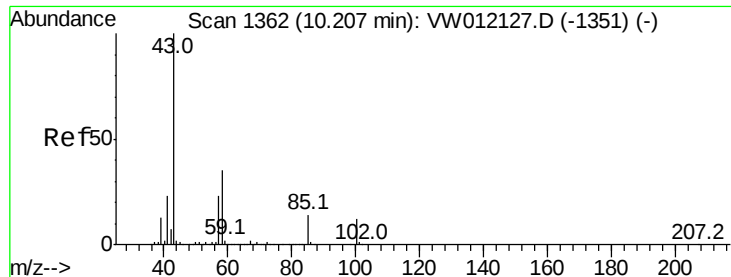
MMDadoda
9/7/2019 12:46:10 AM



#50
Toluene-d8
Concen: 55.504 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	98	Resp	416097
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





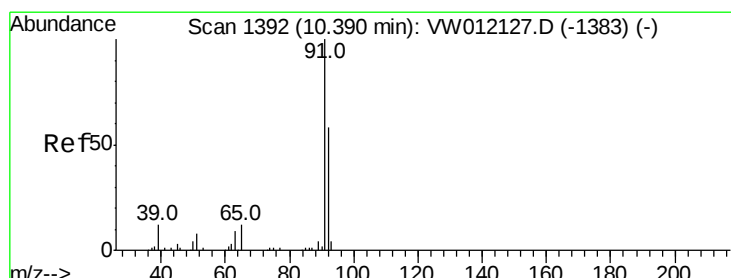
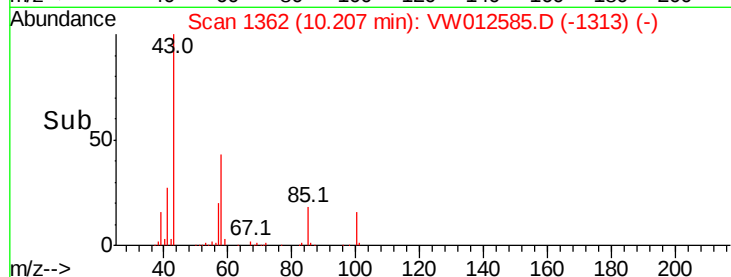
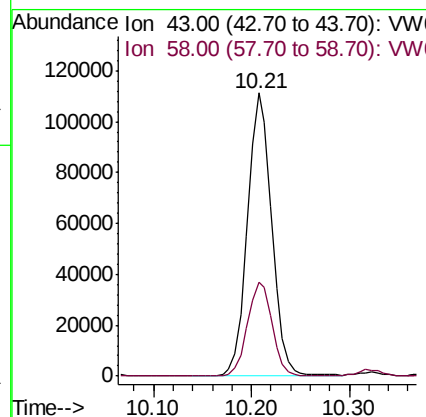
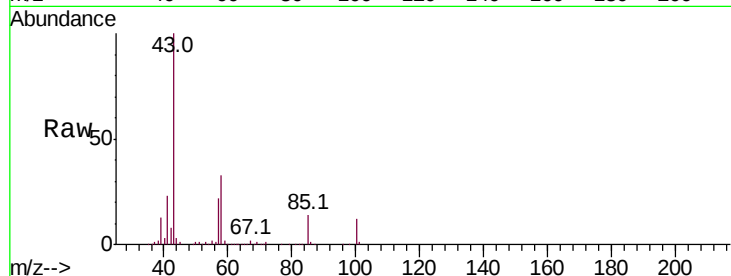
#51
 4-Methyl-2-Pentanone
 Concen: 115.597 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.8	28.2	42.2

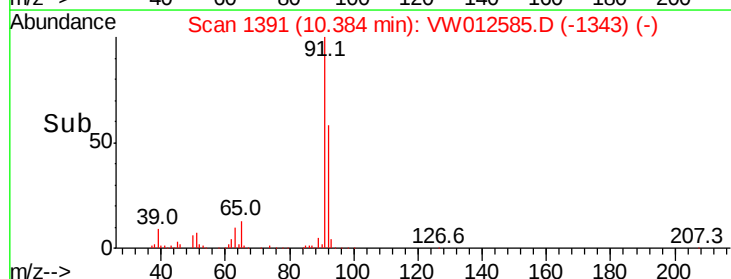
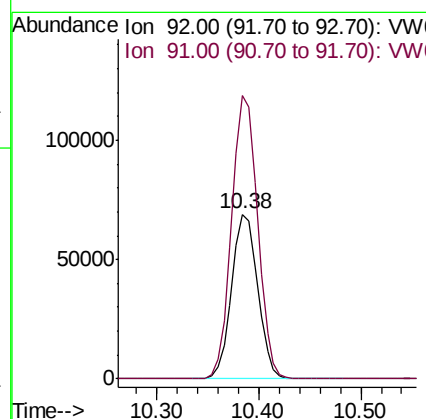
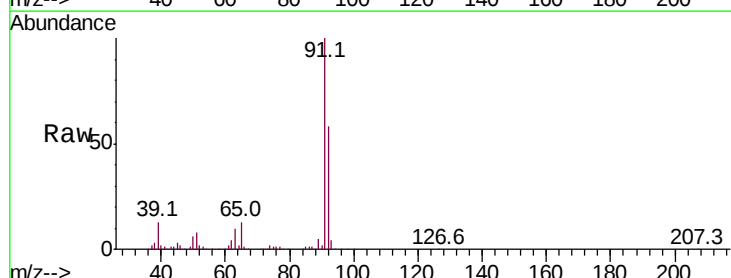
Manual Integrations
 APPROVED

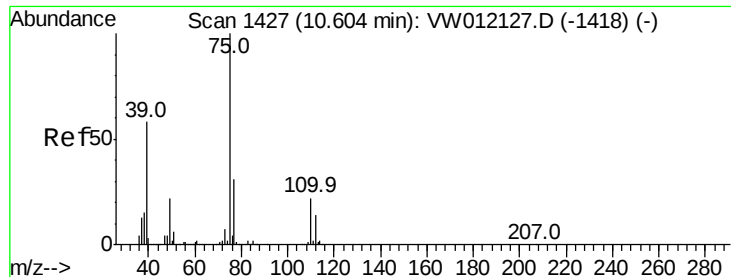
MMDadoda
 9/7/2019 12:46:10 AM



#52
 Toluene
 Concen: 23.173 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	136.6	204.8





#53

t-1,3-Dichloropropene

Concen: 23.910 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion: 75 Resp: 67840

Ion Ratio Lower Upper

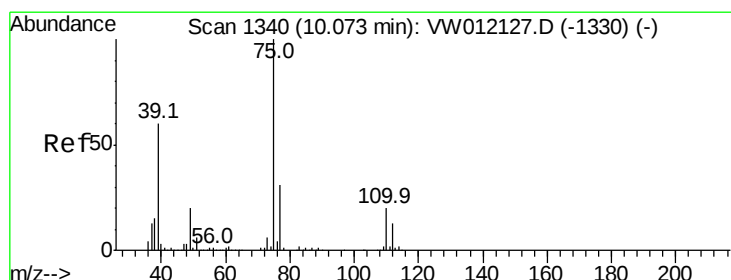
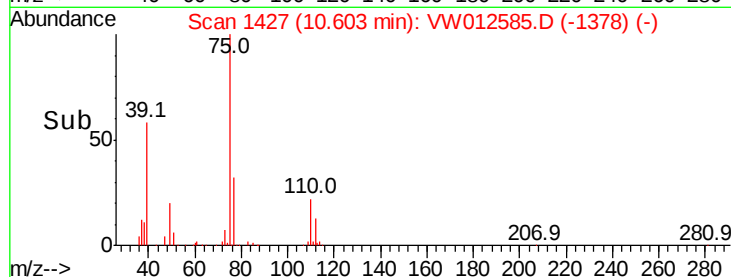
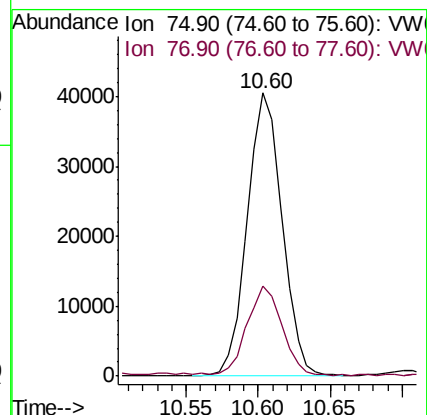
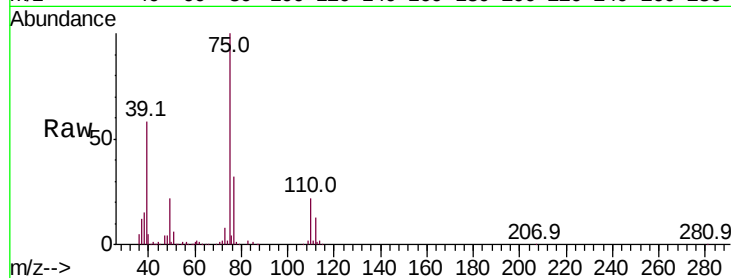
75 100

77 31.6 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 22.635 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

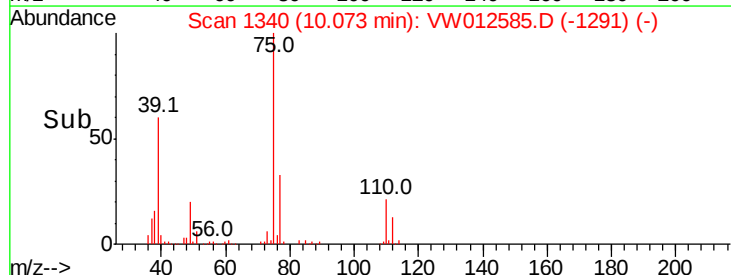
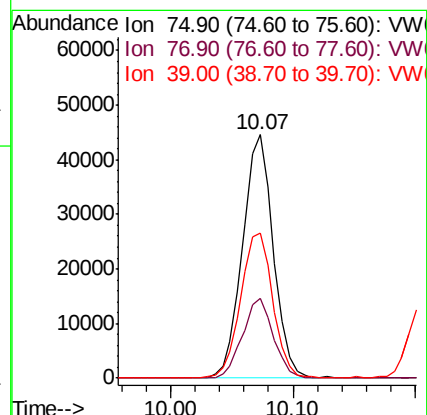
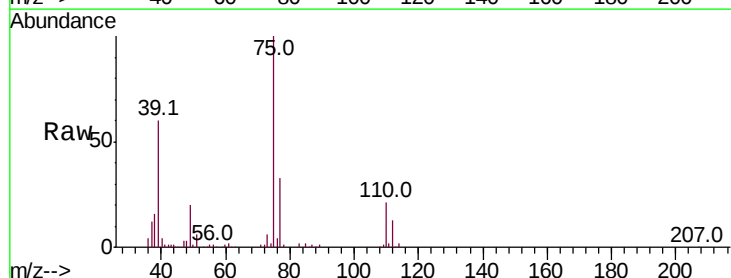
Tgt Ion: 75 Resp: 77545

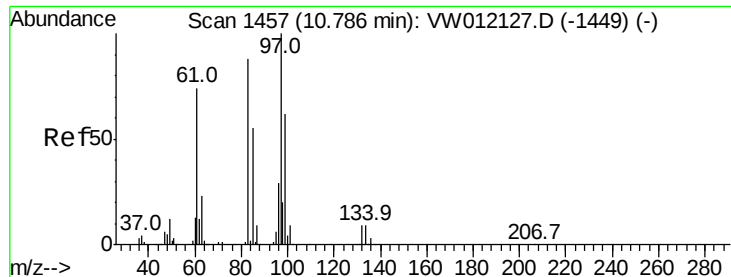
Ion Ratio Lower Upper

75 100

77 33.0 25.1 37.7

39 59.7 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 23.654 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

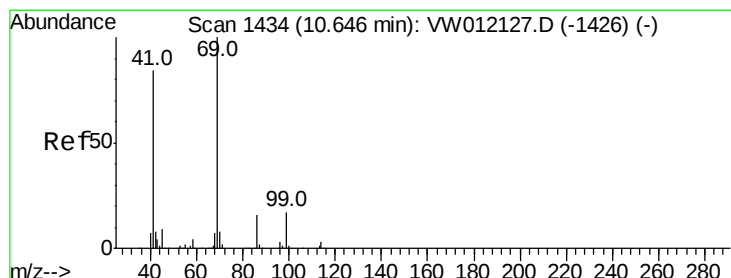
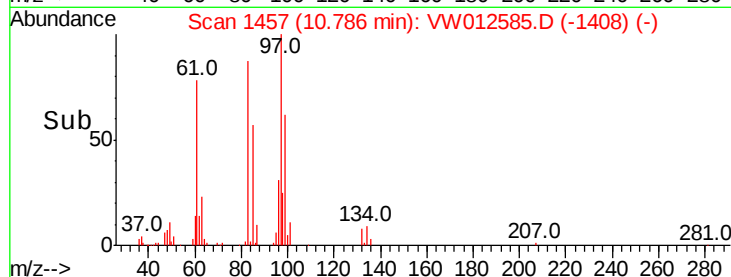
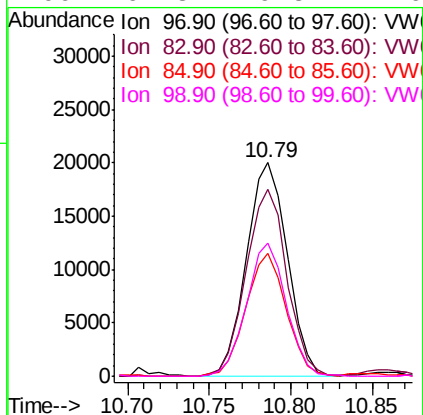
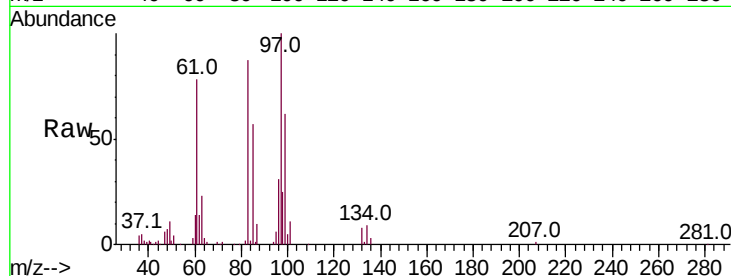
ClientSampleId :

VW0904SBS01

Tot Ion:	97	Resp:	35027
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.8	106.2
85	57.4	43.8	65.8
99	62.3	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.502 ug/l

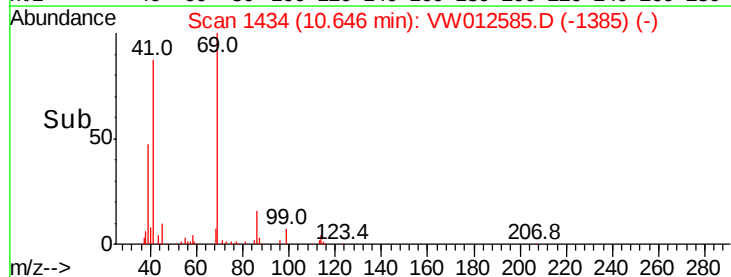
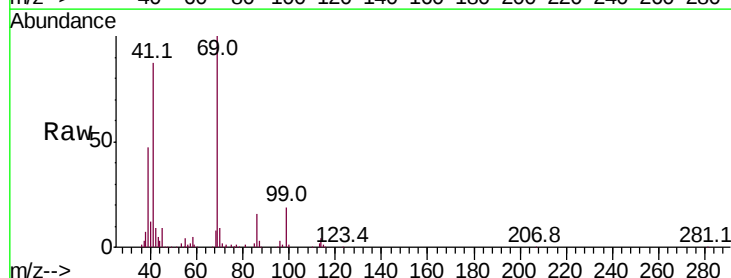
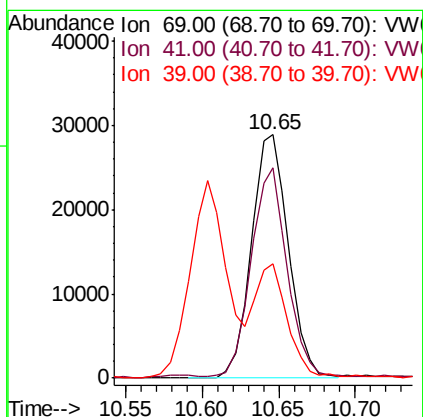
RT: 10.65 min Scan# 1434

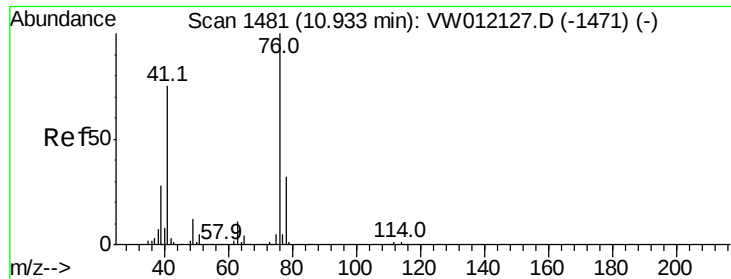
Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Tgt Ion:	69	Resp:	48495
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.5	99.7
39	40.0	31.0	46.4





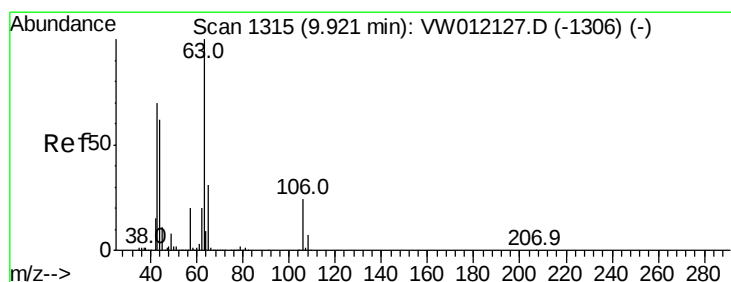
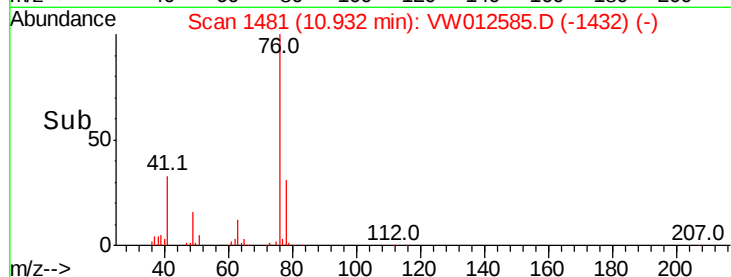
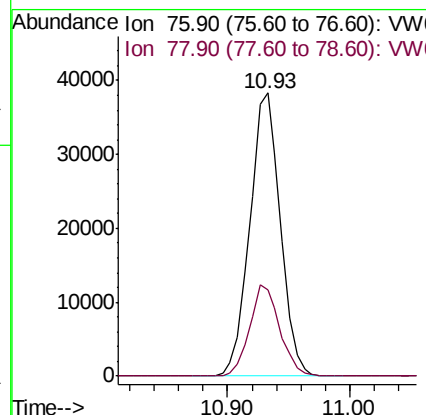
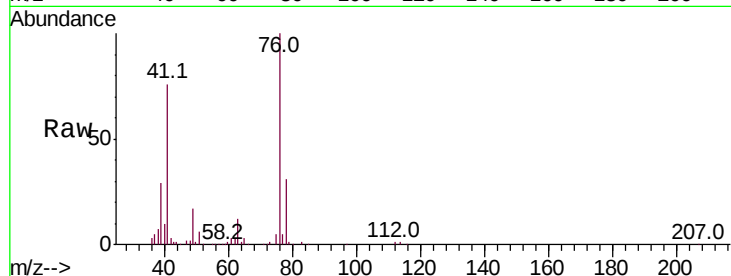
#57
 1,3-Dichloropropane
 Concen: 23.770 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBS01

Tot Ion: 76 Resp: 66516
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

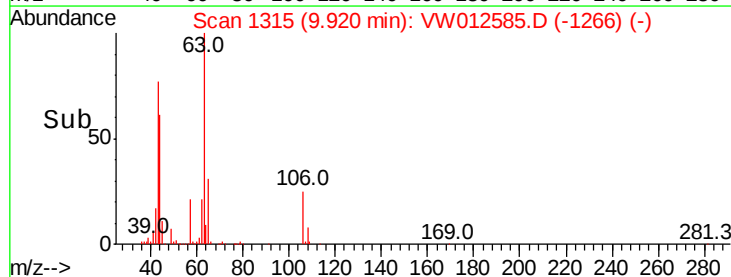
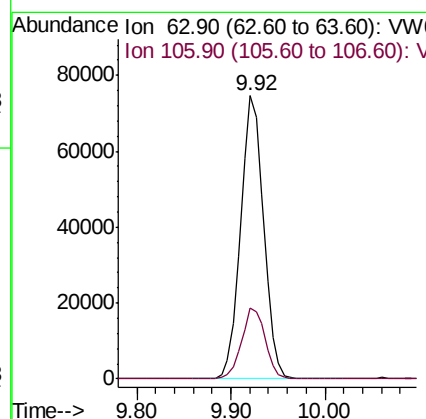
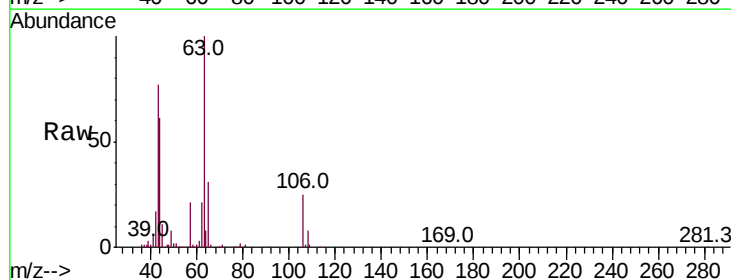
Manual Integrations
 APPROVED

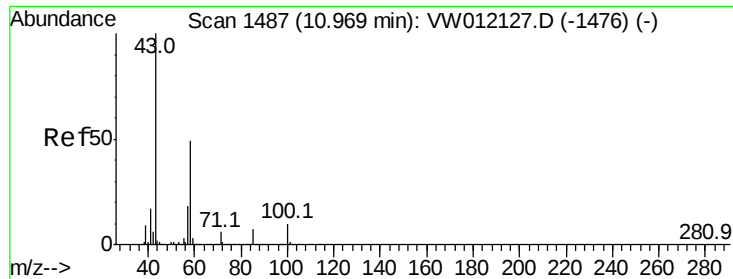
MMDadoda
 9/7/2019 12:46:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.874 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Tgt Ion: 63 Resp: 127060
 Ion Ratio Lower Upper
 63 100
 106 25.5 19.8 29.8





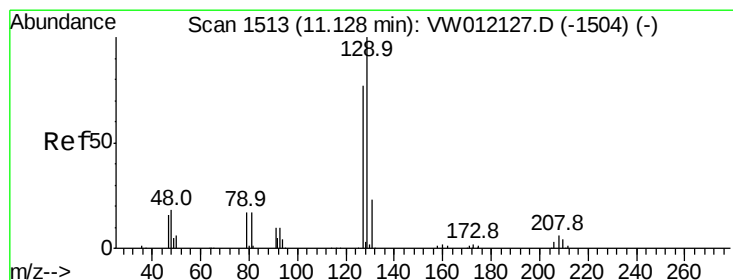
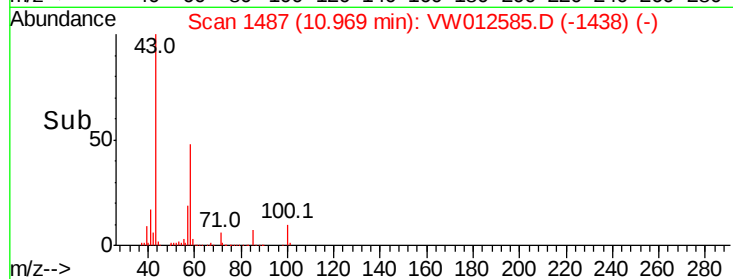
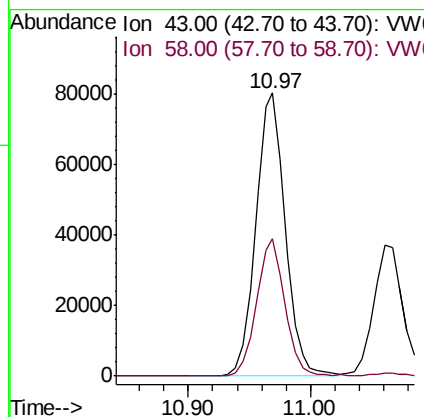
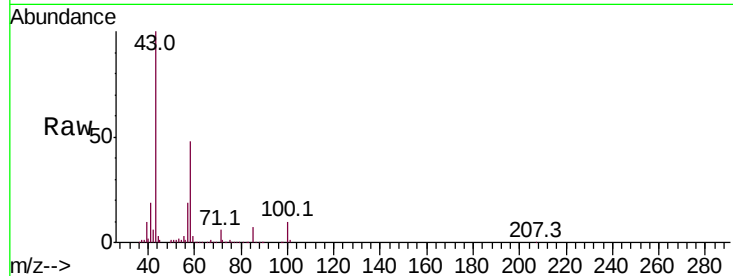
#59
2-Hexanone
Concen: 114.761 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.7	24.3	72.9

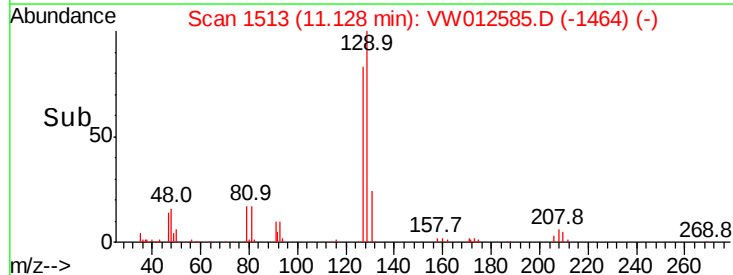
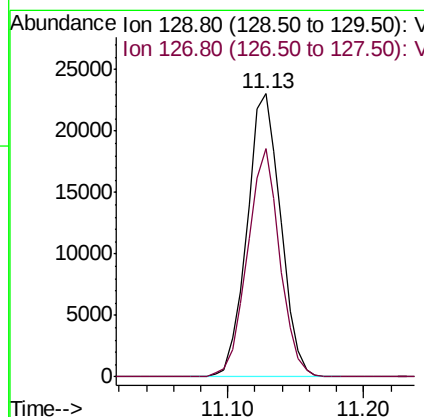
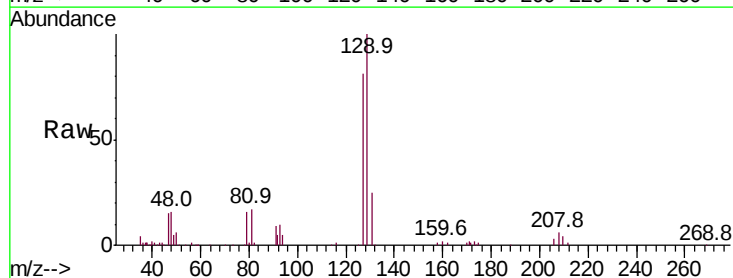
Manual Integrations
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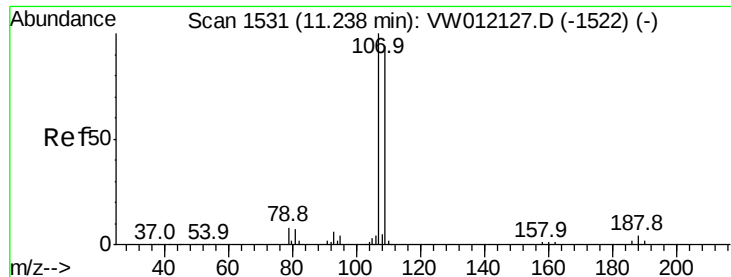
MMDadoda
9/7/2019 12:46:10 AM



#60
Dibromochloromethane
Concen: 24.185 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.8





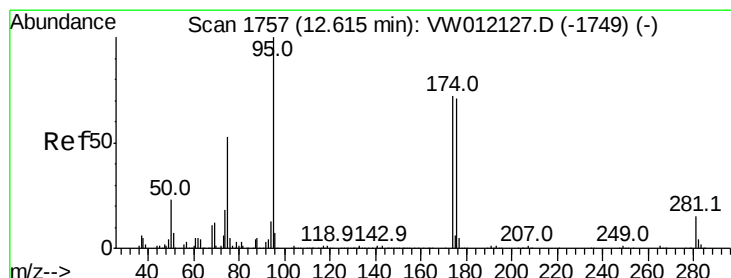
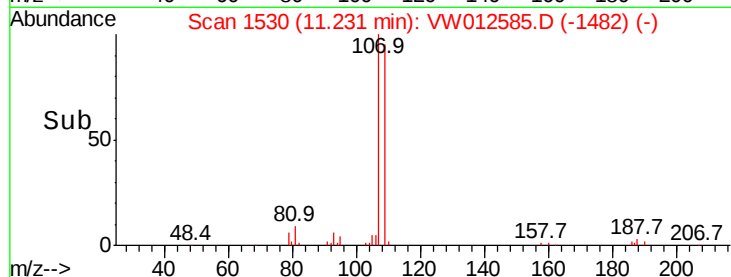
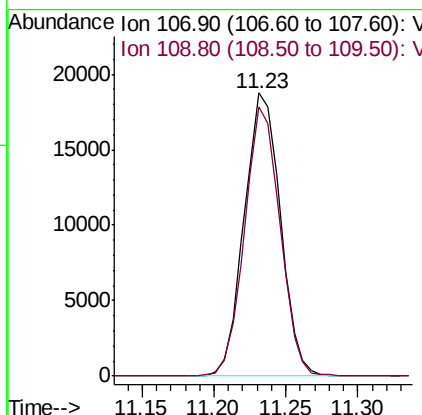
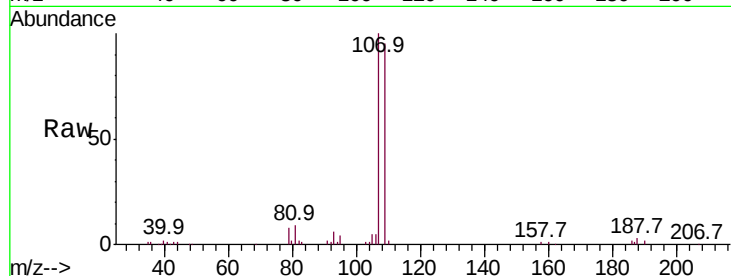
#61
1,2-Dibromoethane
Concen: 23.626 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion:107 Resp: 32593
Ion Ratio Lower Upper
107 100
109 93.3 75.4 113.2

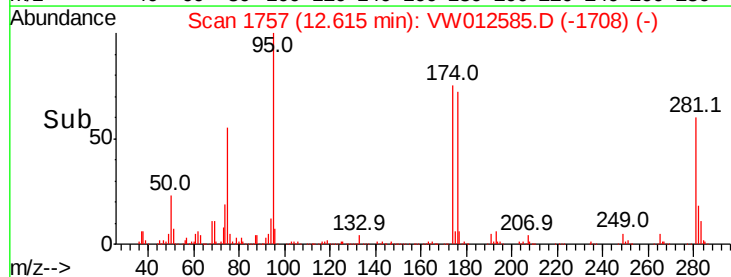
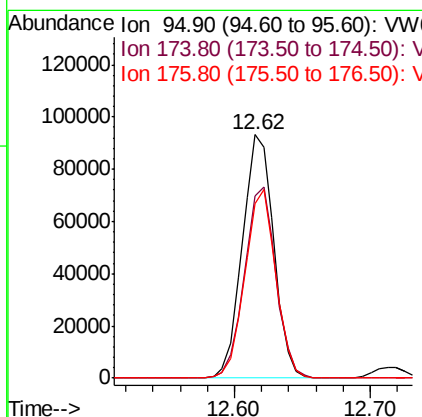
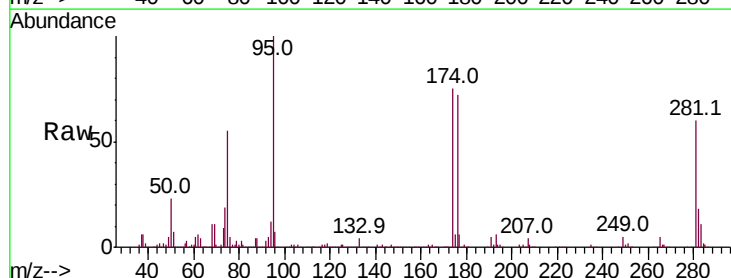
Manual Integrations
APPROVED

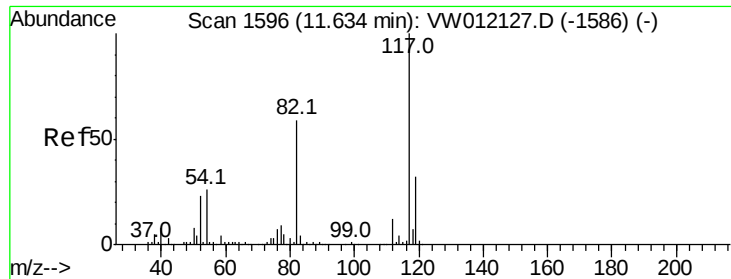
MMDadoda
9/7/2019 12:46:10 AM



#62
4-Bromofluorobenzene
Concen: 56.948 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion: 95 Resp: 150492
Ion Ratio Lower Upper
95 100
174 78.6 0.0 150.8
176 76.3 0.0 148.6





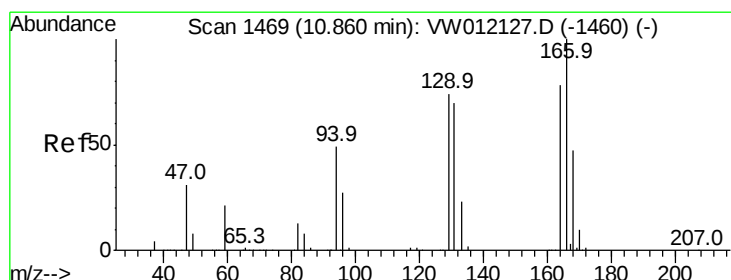
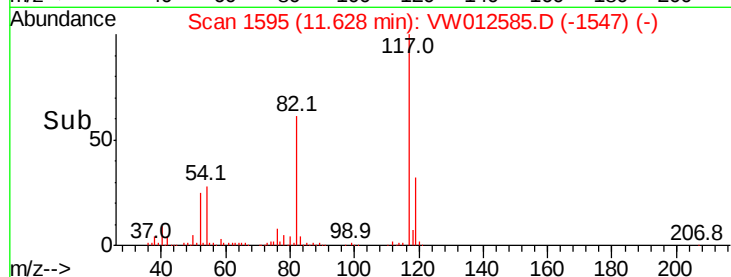
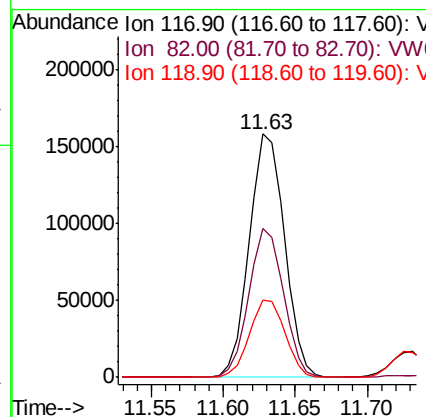
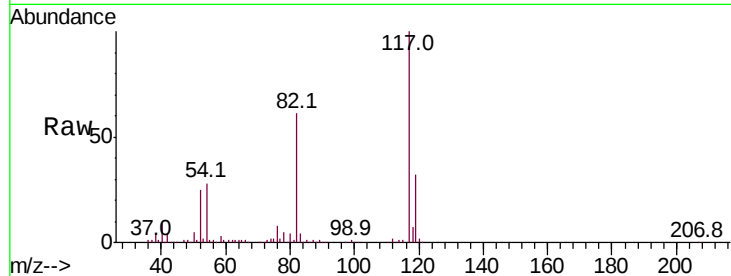
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	267620		
82	61.0		47.4	71.2
119	31.9		25.4	38.2

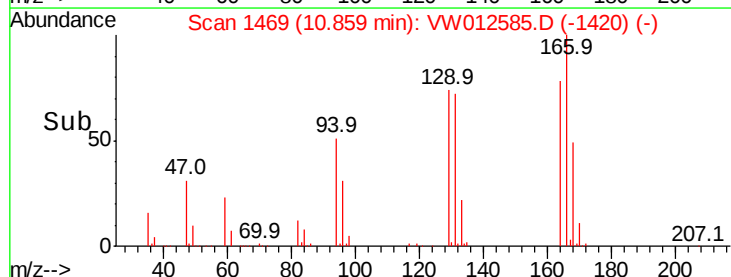
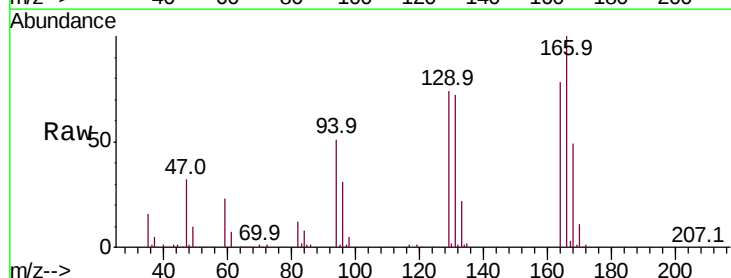
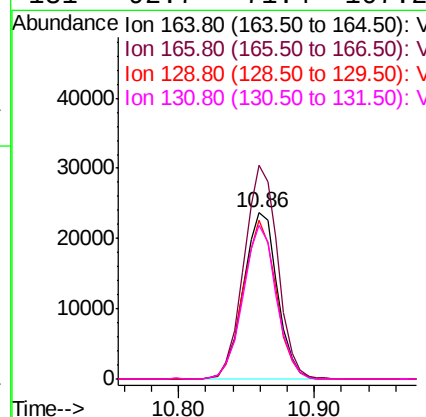
Manual Integrations
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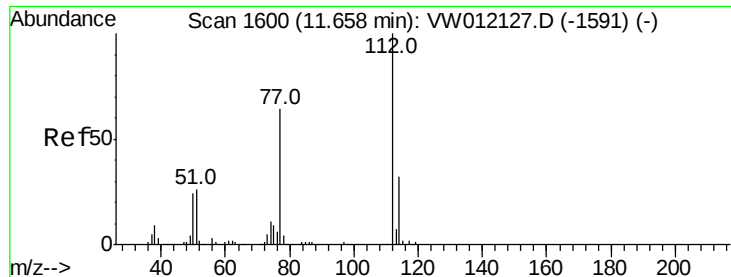
MMDadoda
9/7/2019 12:46:10 AM



#64
Tetrachloroethene
Concen: 23.766 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41236		
166	128.6		102.4	153.6
129	95.6		75.8	113.6
131	92.7		71.4	107.2





#65

Chlorobenzene

Concen: 23.881 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion:112 Resp: 125843

Ion Ratio Lower Upper

112 100

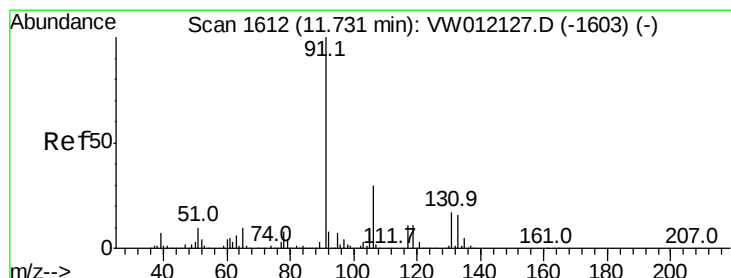
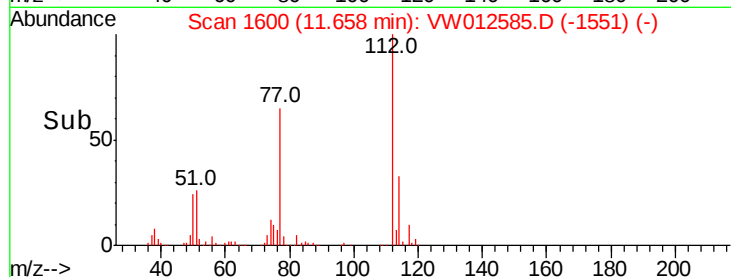
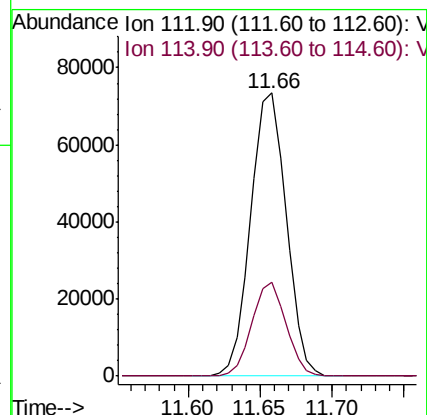
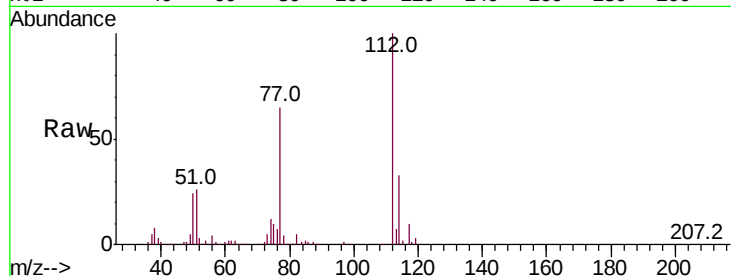
114 33.3 25.8 38.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 24.643 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

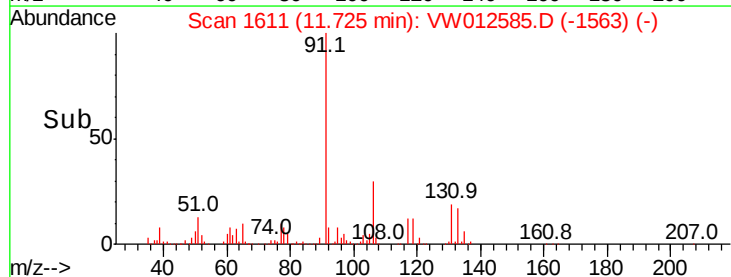
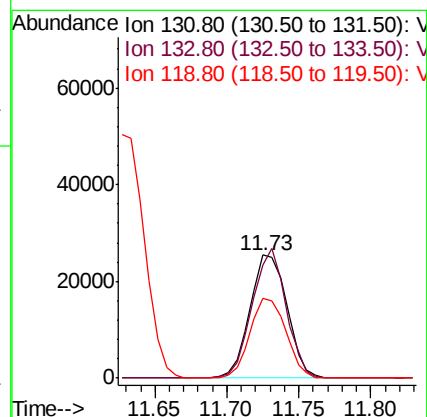
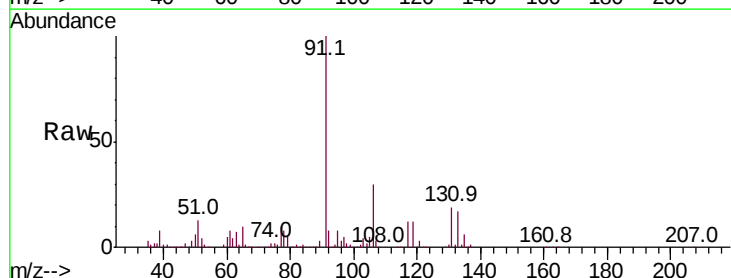
Tgt Ion:131 Resp: 45304

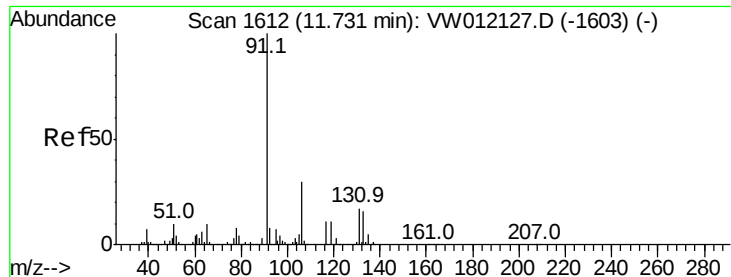
Ion Ratio Lower Upper

131 100

133 96.1 47.1 141.3

119 63.2 31.8 95.3





#67

Ethyl Benzene

Concen: 23.691 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampled :

VW0904SBS01

Tot Ion: 91 Resp: 240486

Ion Ratio Lower Upper

91 100

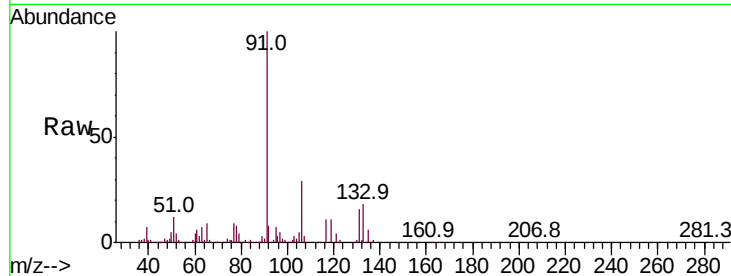
106 29.2 24.3 36.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

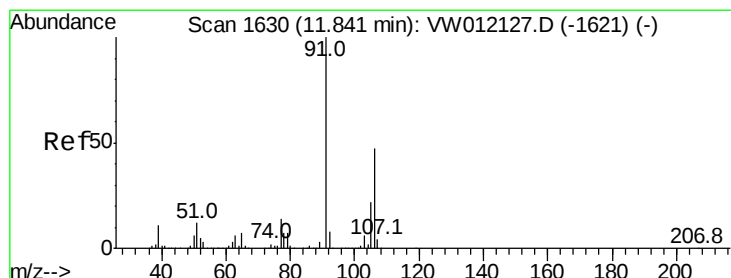
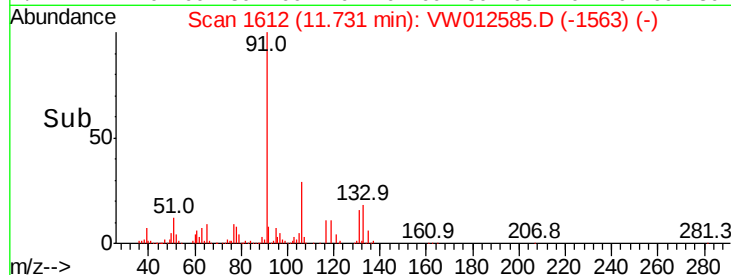
50000

0

11.73

11.80

Time-->



#68

m/p-Xylenes

Concen: 47.563 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012585.D

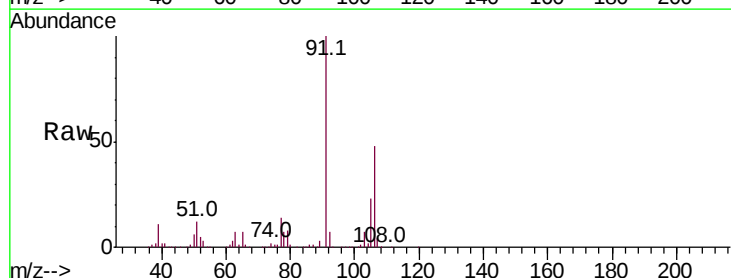
Acq: 04 Sep 2019 10:39

Tgt Ion:106 Resp: 173917

Ion Ratio Lower Upper

106 100

91 212.2 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

200000

150000

100000

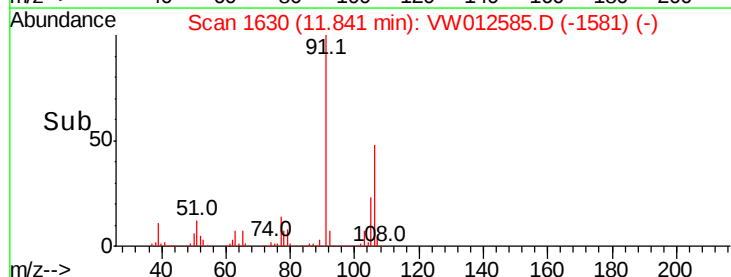
50000

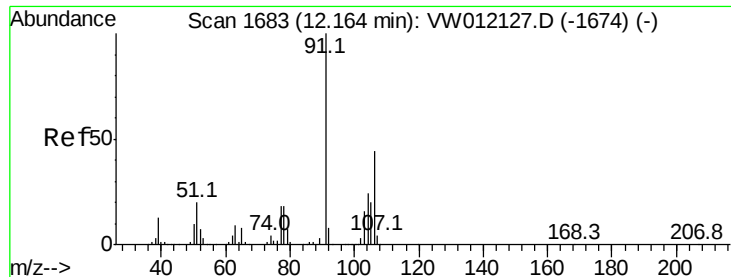
0

11.84

11.90

Time-->





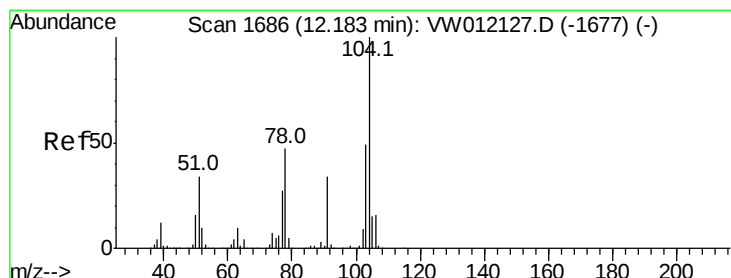
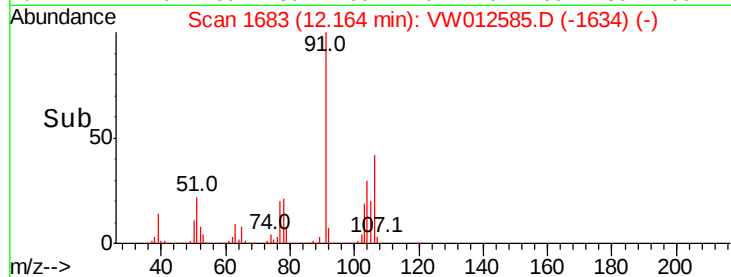
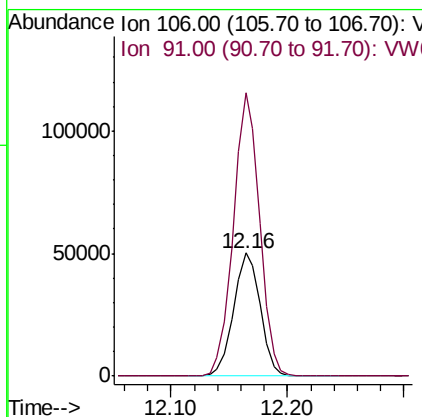
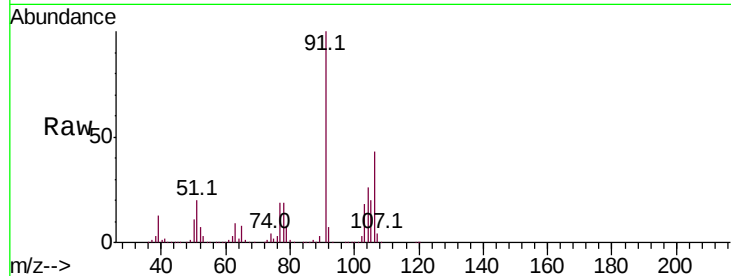
#69
o-Xylene
Concen: 23.672 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.4	111.6	334.6

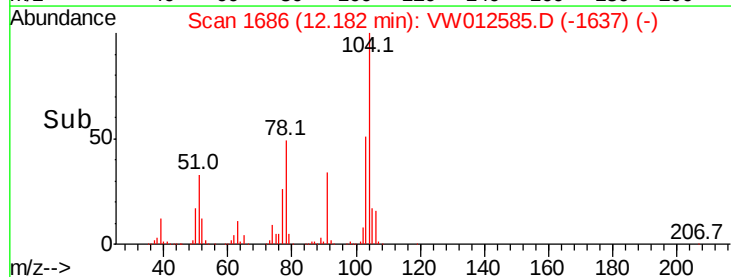
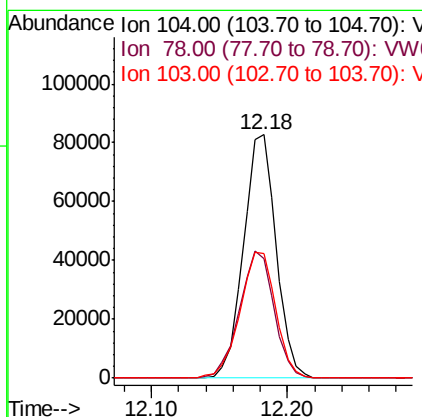
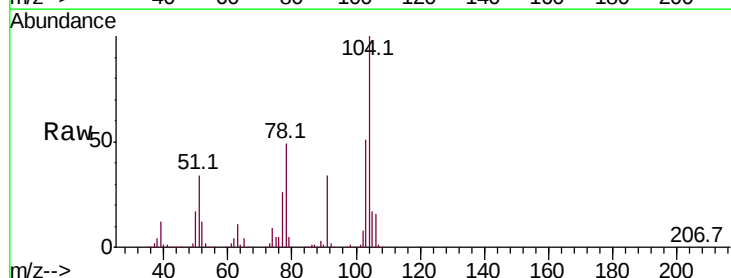
Manual Integrations
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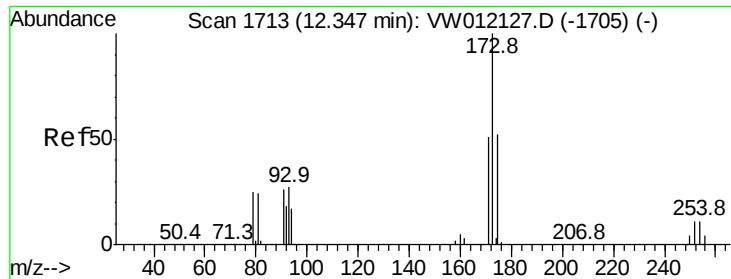
MMDadoda
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#70
Styrene
Concen: 23.720 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.5	43.1	64.7
103	56.7	43.5	65.3





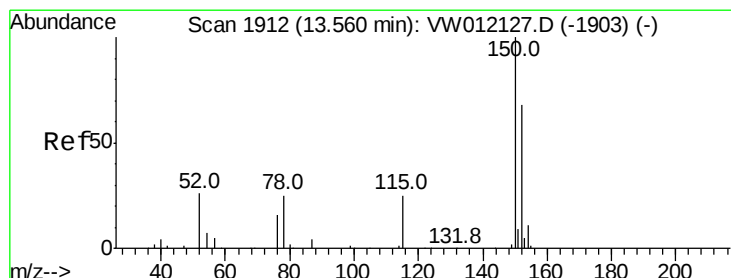
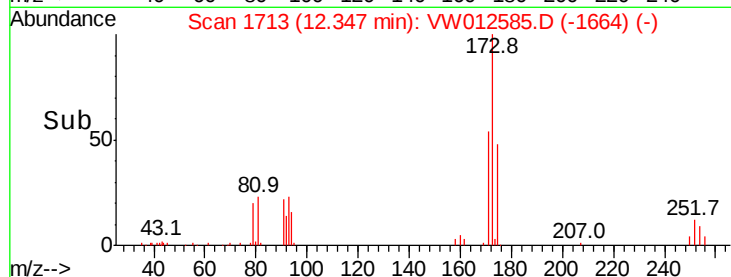
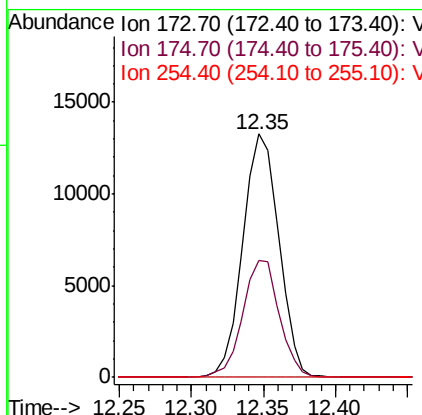
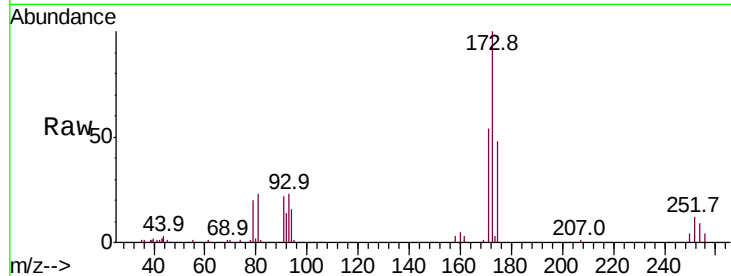
#71
Bromoform
Concen: 25.199 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.0	0.2	0.2

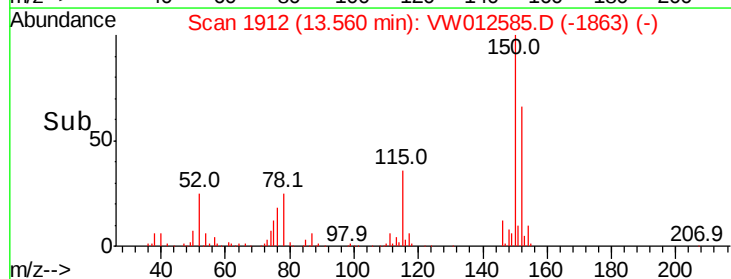
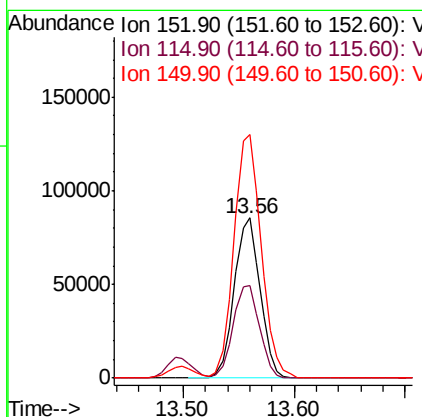
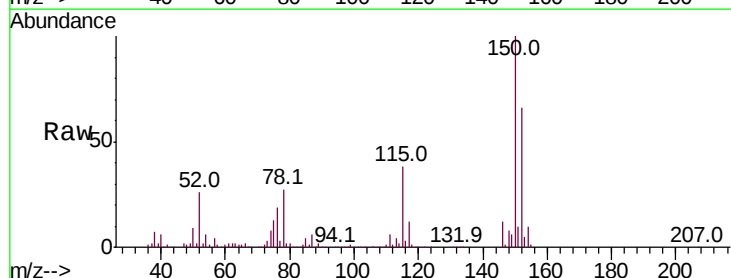
Manual Integrations
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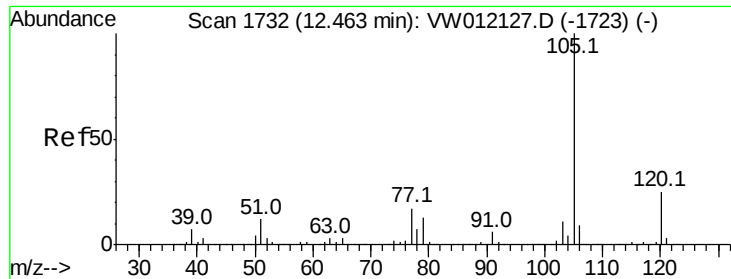
MMDadoda
9/7/2019 12:46:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.1	90.3
150	160.8	0.0	345.8





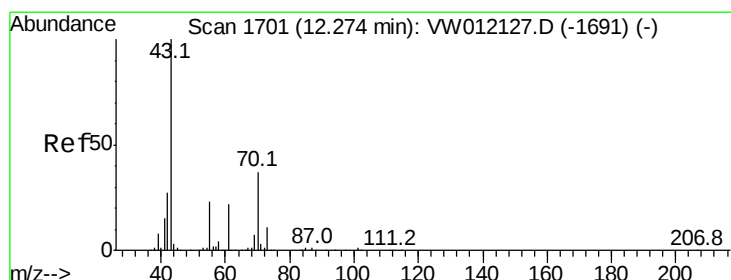
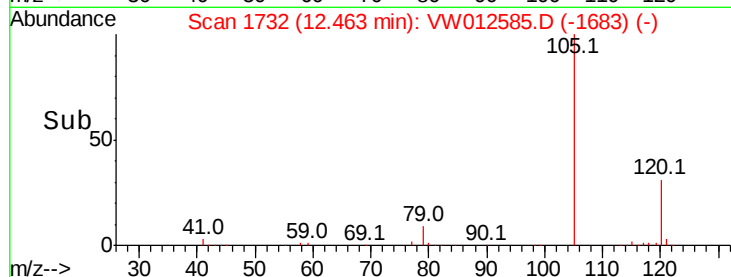
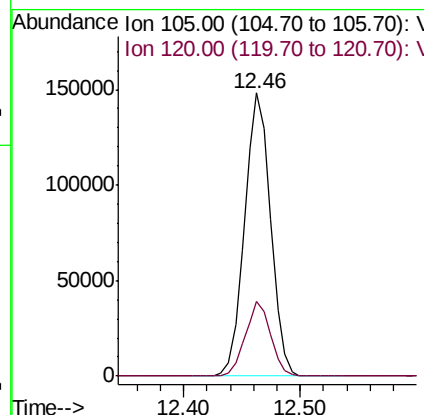
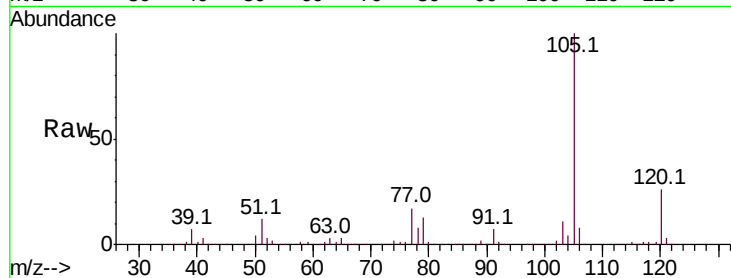
#73
Isopropylbenzene
Concen: 22.455 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion:105 Resp: 230728
Ion Ratio Lower Upper
105 100
120 25.5 12.5 37.5

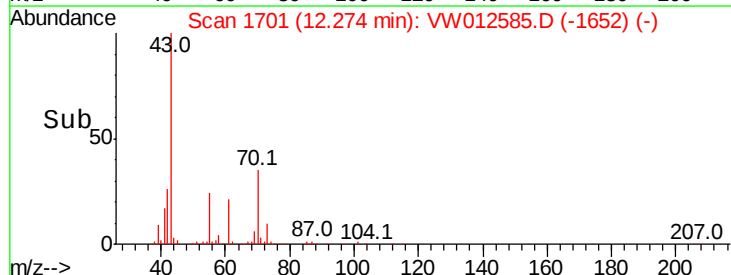
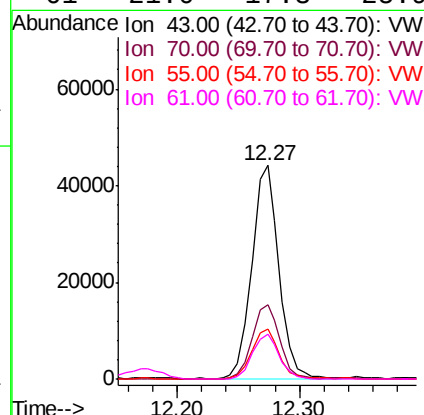
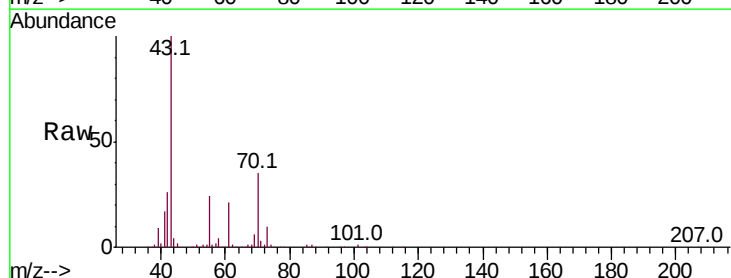
Manual Integrations
APPROVED

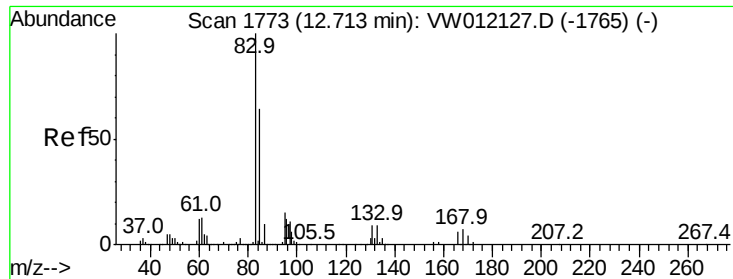
MMDadoda
9/7/2019 12:46:10 AM



#74
N-ethyl acetate
Concen: 21.813 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion: 43 Resp: 67717
Ion Ratio Lower Upper
43 100
70 35.5 28.6 43.0
55 24.2 17.8 26.6
61 21.0 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.914 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

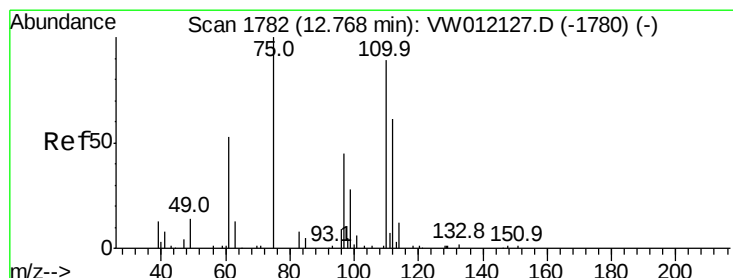
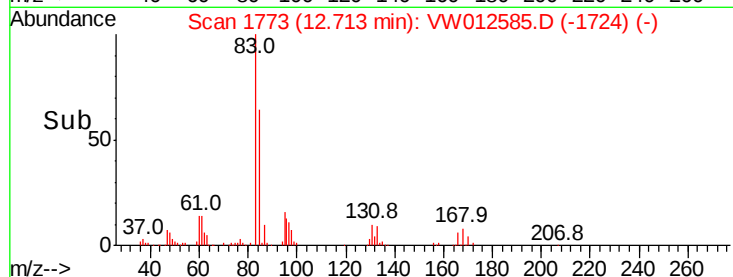
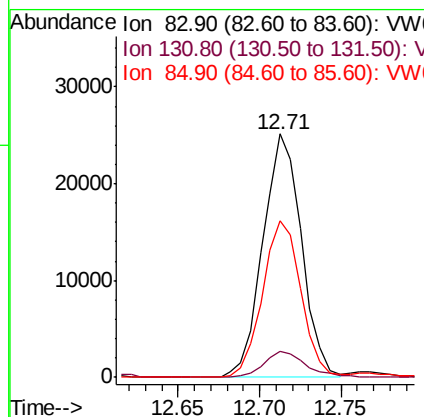
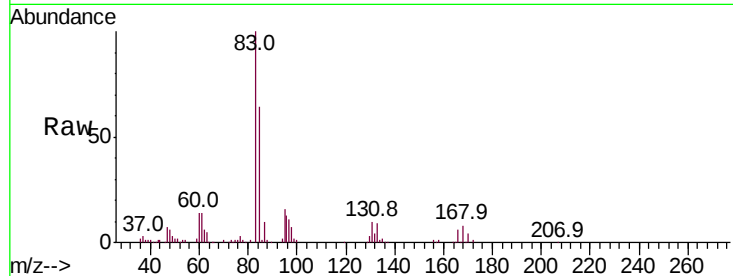
ClientSampleId :

VW0904SBS01

Tot Ion:	83	Resp:	41280
Ion Ratio	Lower	Upper	
83	100		
131	11.3	4.9	14.7
85	63.9	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.635 ug/l m

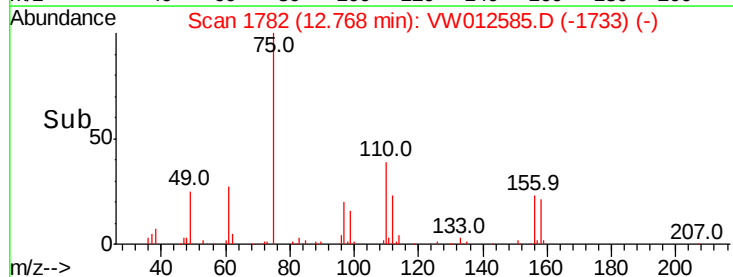
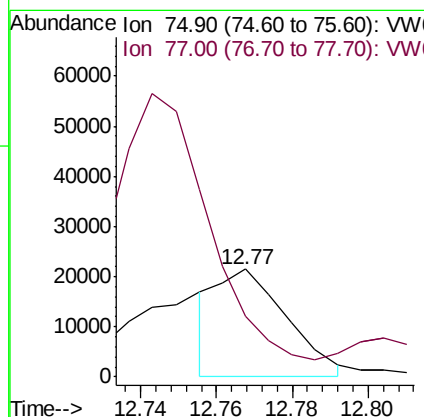
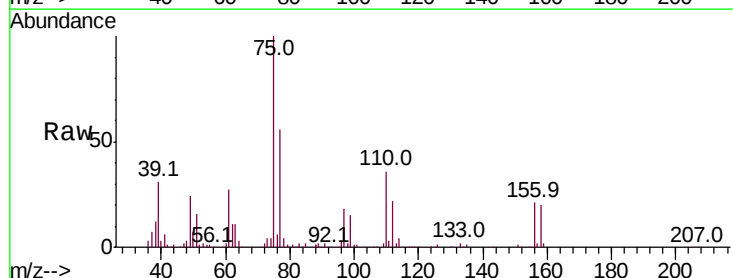
RT: 12.77 min Scan# 1782

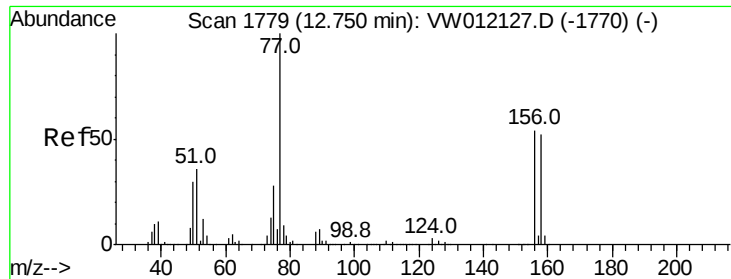
Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Tgt Ion:	75	Resp:	27559
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.863 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBS01

Tot Ion:156 Resp: 50823

Ion Ratio Lower Upper

156 100

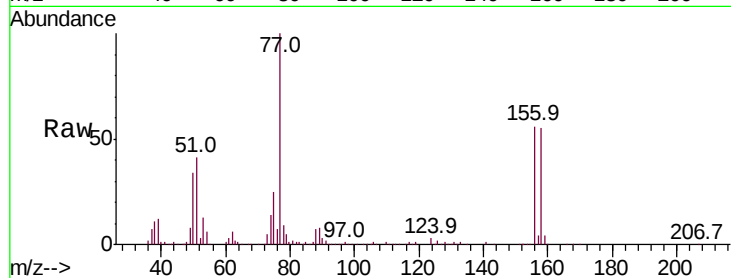
77 206.2 107.3 321.8

158 98.8 49.0 147.0

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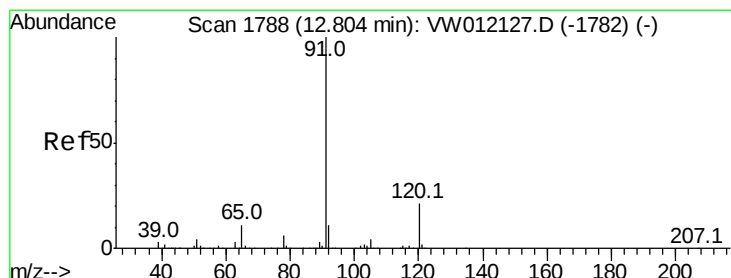
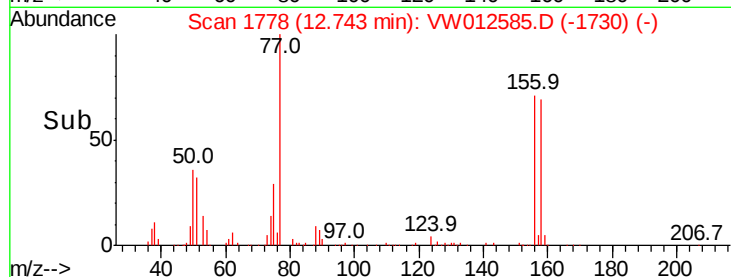
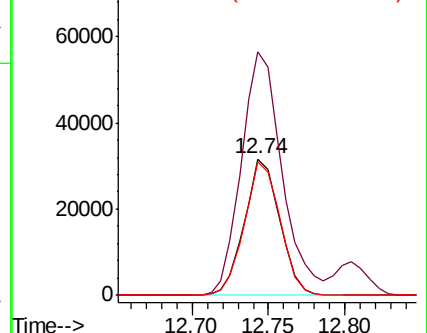
9/7/2019 12:46:10 AM



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: 22.588 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012585.D

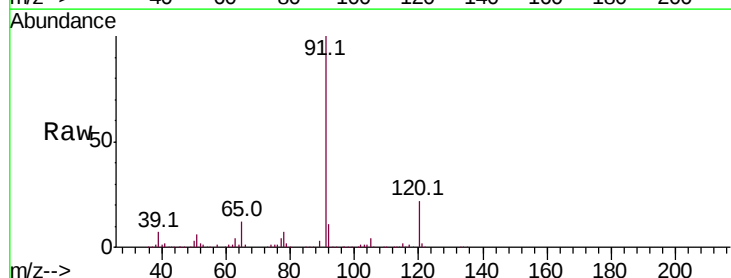
Acq: 04 Sep 2019 10:39

Tgt Ion: 91 Resp: 283344

Ion Ratio Lower Upper

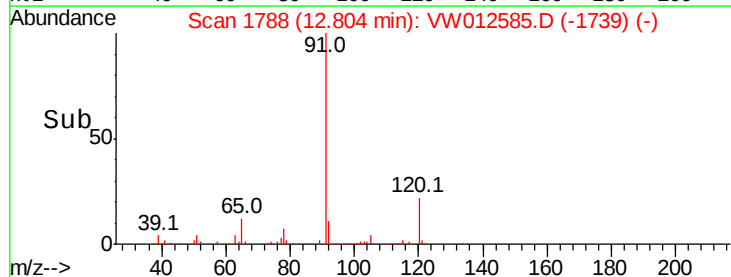
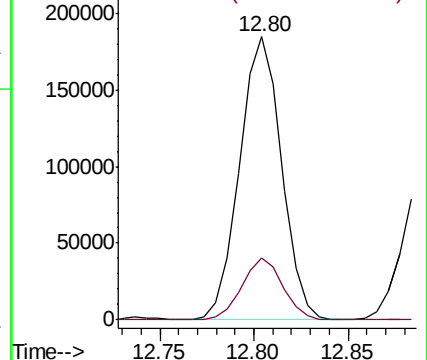
91 100

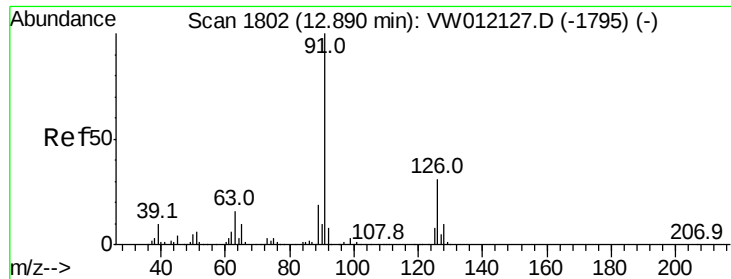
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.659 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Instrument :

MSVOA_W

ClientSampled :

VW0904SBS01

Tot Ion: 91 Resp: 161375

Ion Ratio Lower Upper

91 100

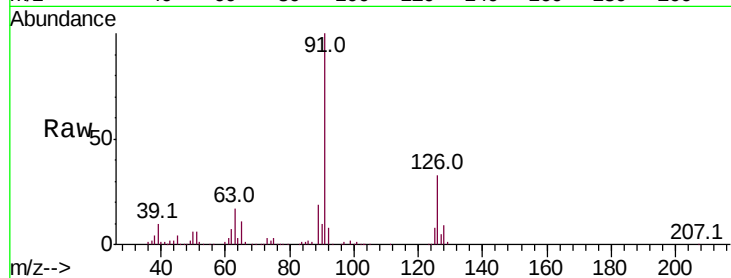
126 31.5 15.7 47.0

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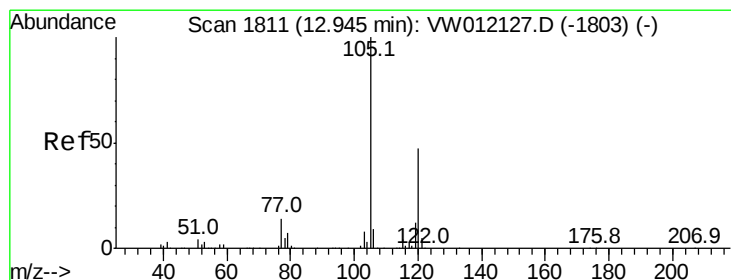
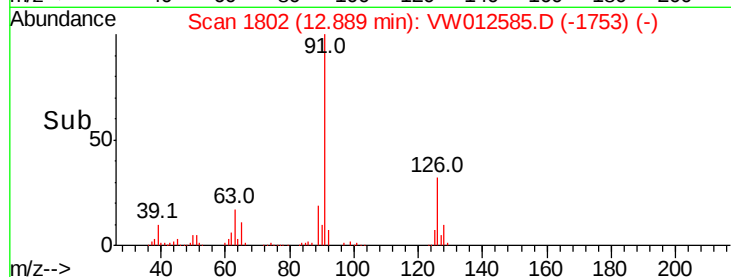
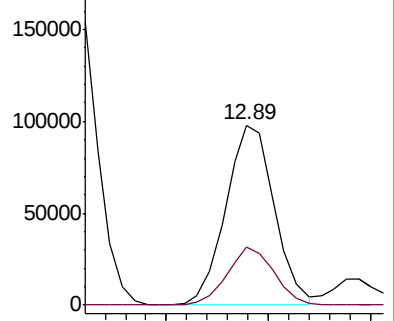
MMDadoda

9/7/2019 12:46:10 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: 23.364 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012585.D

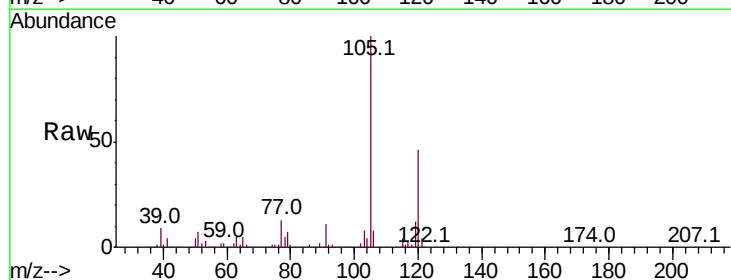
Acq: 04 Sep 2019 10:39

Tgt Ion:105 Resp: 200605

Ion Ratio Lower Upper

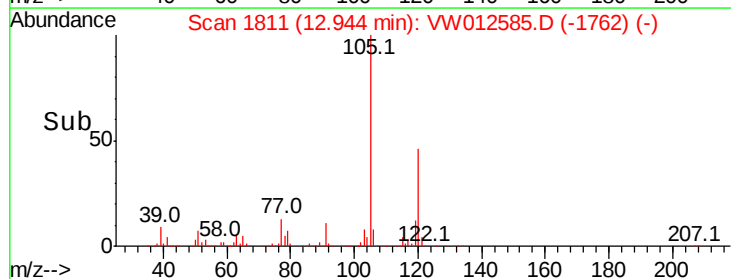
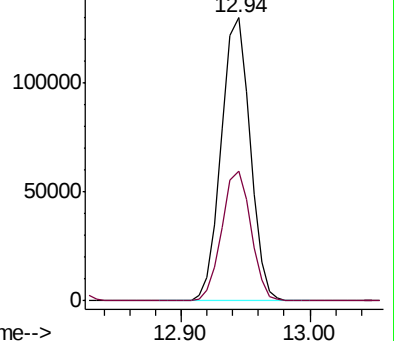
105 100

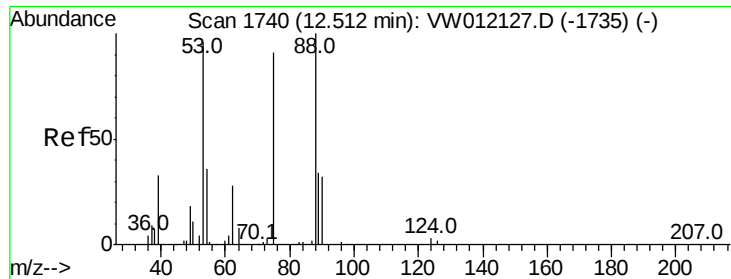
120 46.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





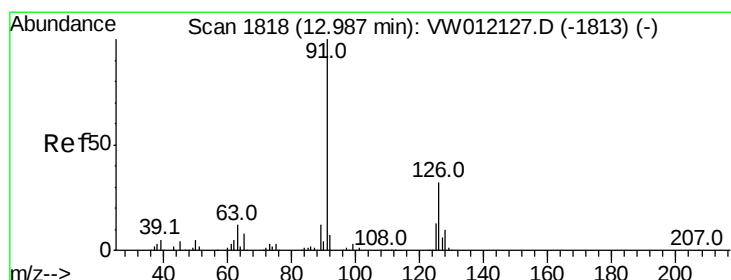
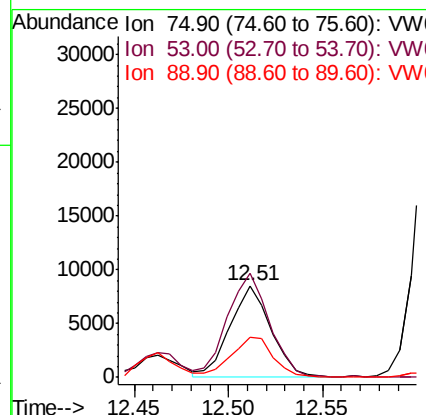
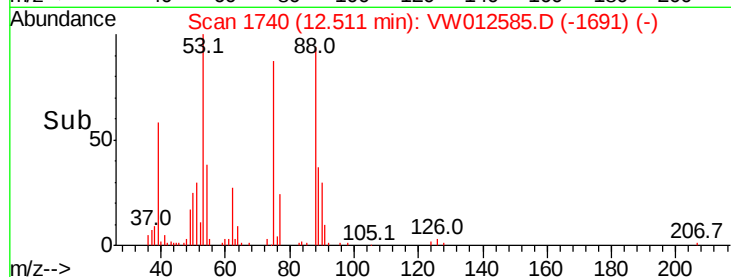
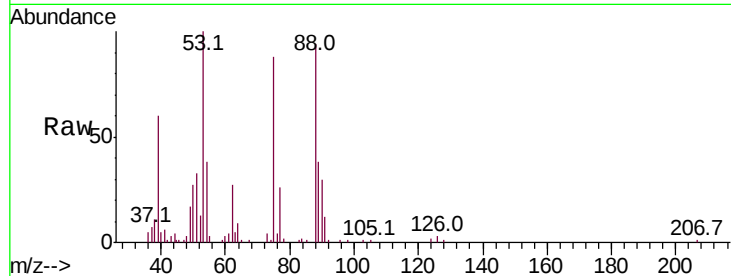
#81
trans-1,4-Dichloro-2-butene
Concen: 21.270 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.9	89.4	134.0
89	43.8	34.5	51.7

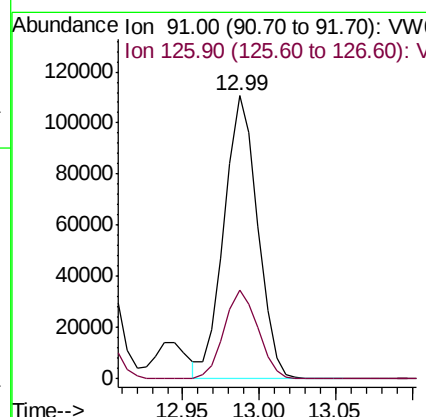
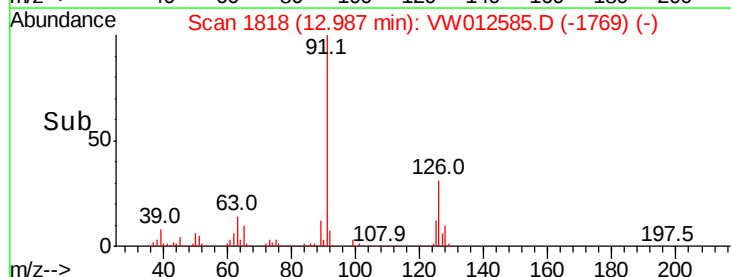
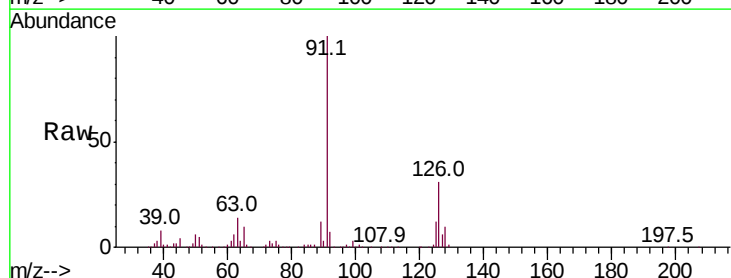
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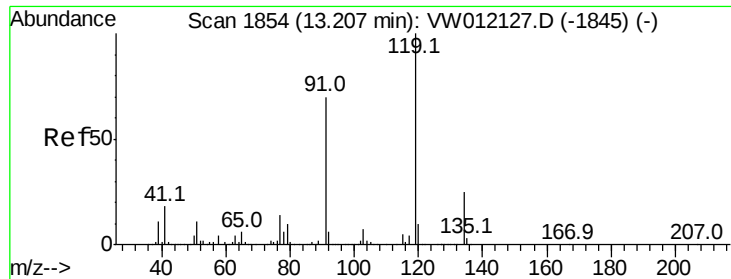
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#82
4-Chlorotoluene
Concen: 22.669 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.8





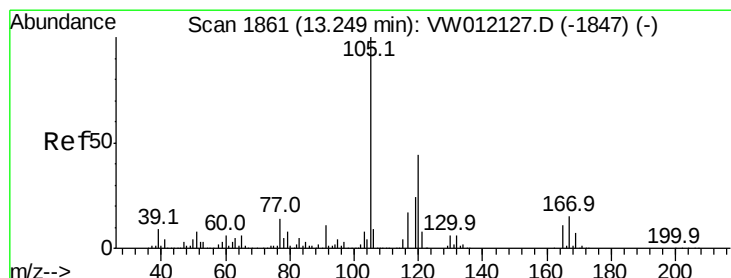
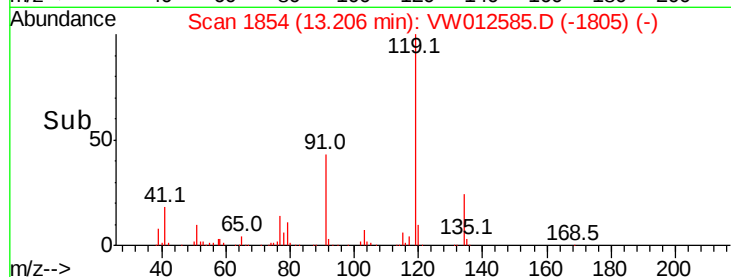
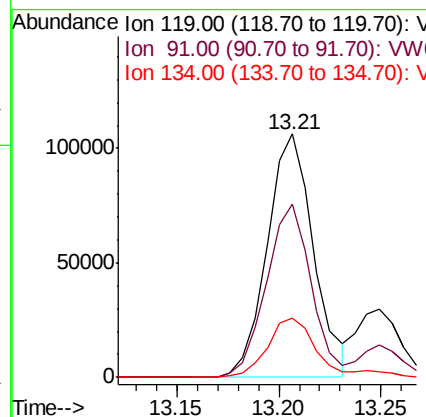
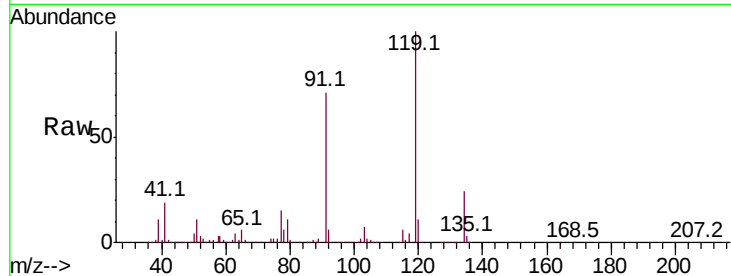
#83
 tert-Butylbenzene
 Concen: 23.122 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Instrument :
 MSVOA_W
 ClientSampled :
 VW0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	168169		
91	69.0	34.8	104.3	
134	24.9	13.3	39.8	

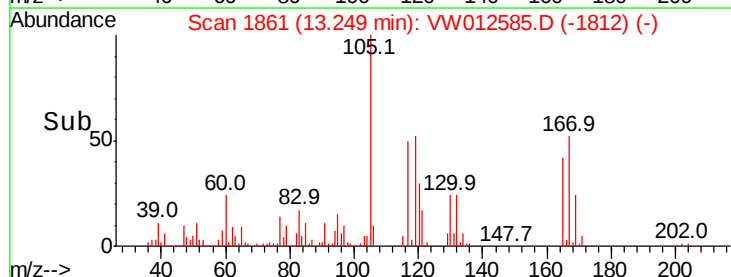
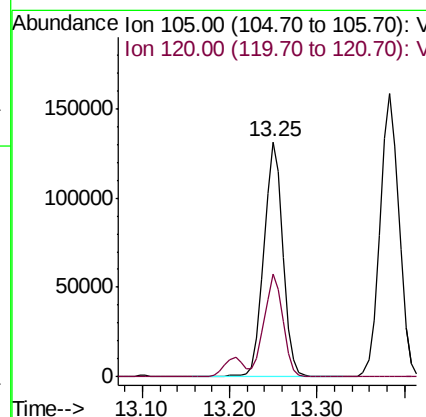
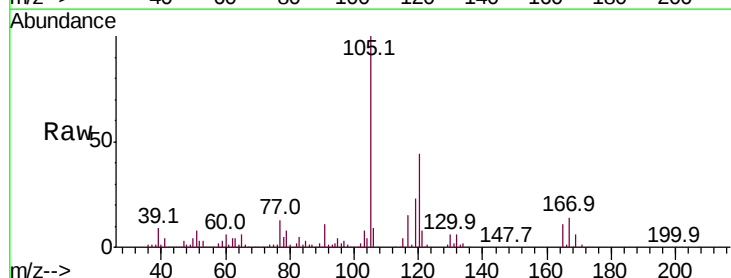
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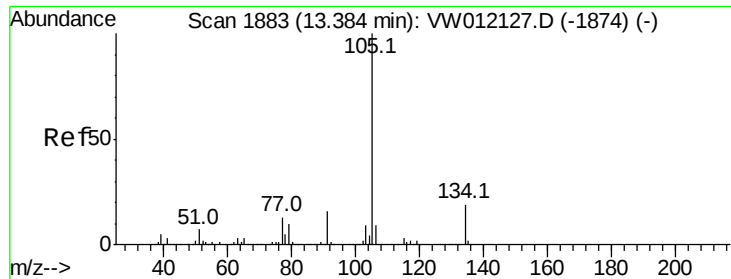
MMDadoda
 9/7/2019 12:46:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.001 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	198383		
120	43.2	21.9	65.7	





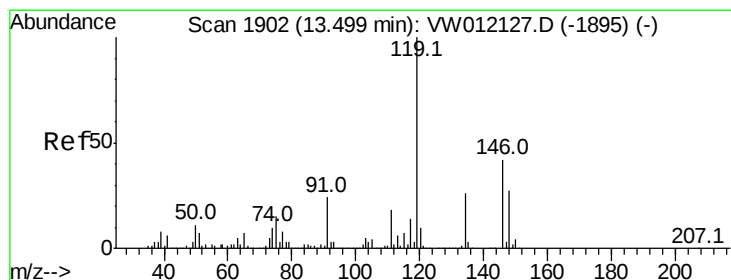
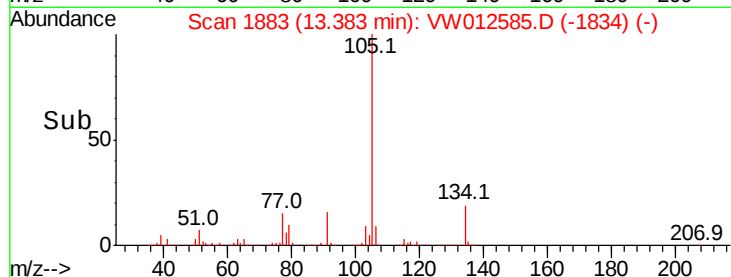
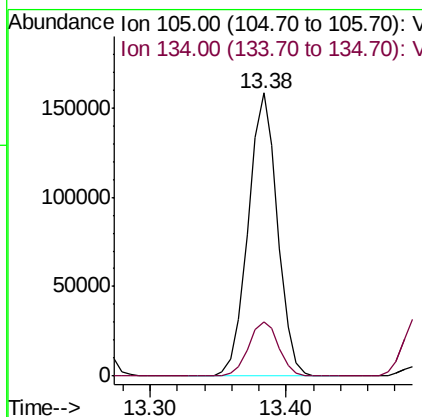
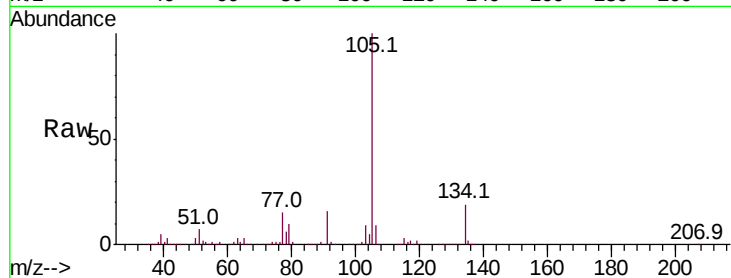
#85
 sec-Butylbenzene
 Concen: 22.920 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	238822		
134	19.8	9.8	29.4	

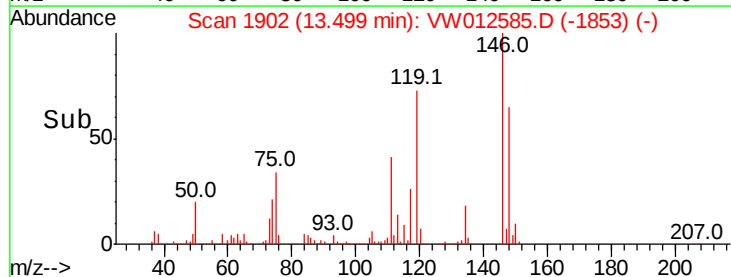
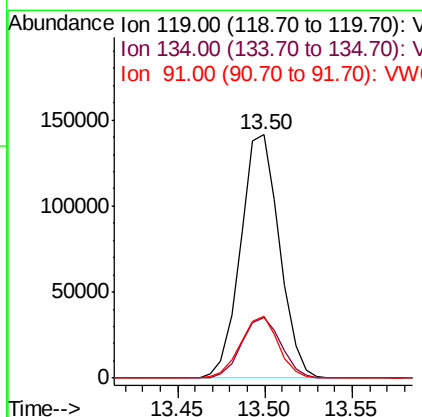
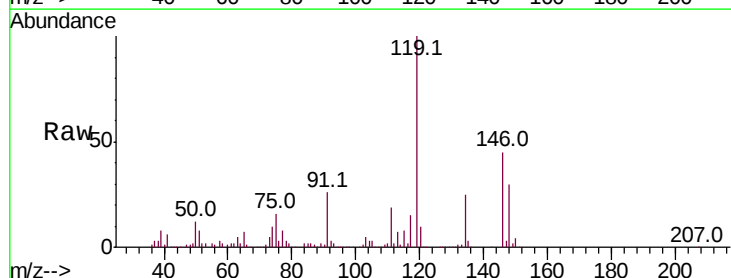
Manual Integrations
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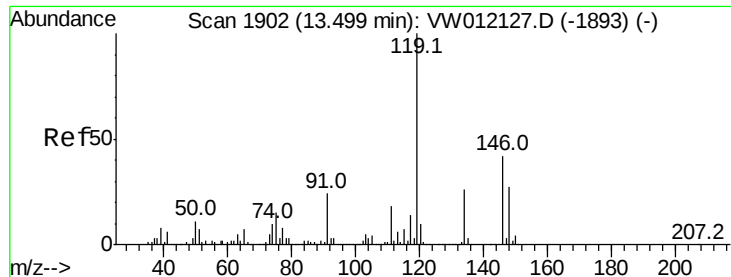
MMDadoda
 9/7/2019 12:46:10 AM



#86
 p-Isopropyltoluene
 Concen: 23.351 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	217298		
134	25.3	12.8	38.3	
91	24.7	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 22.922 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

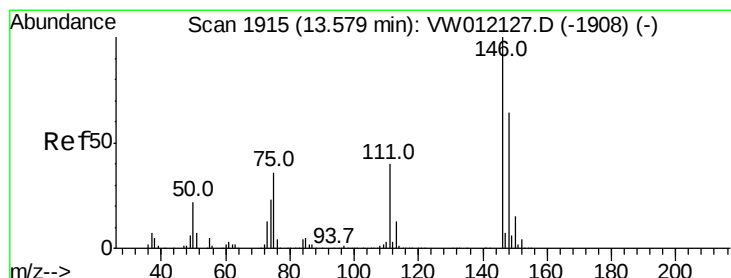
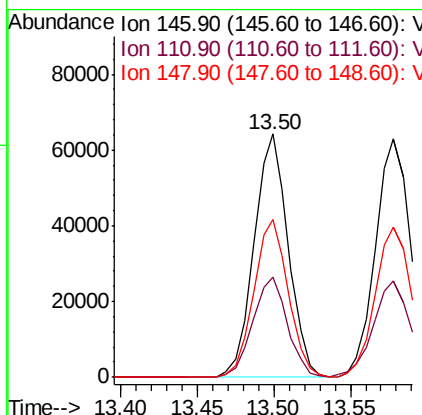
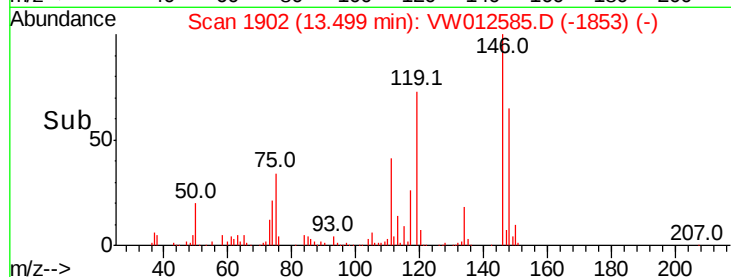
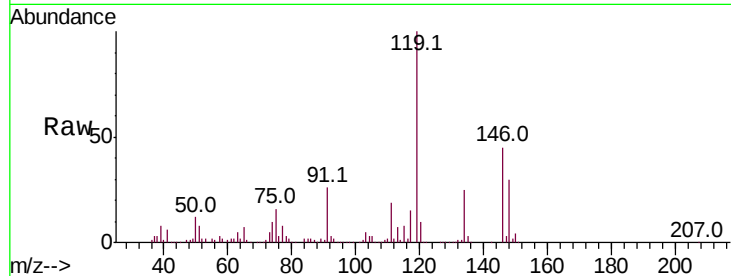
Instrument :
MSVOA_W

ClientSampled :
VW0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	99663		
111	42.0	20.9	62.7	
148	65.4	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 23.356 ug/l

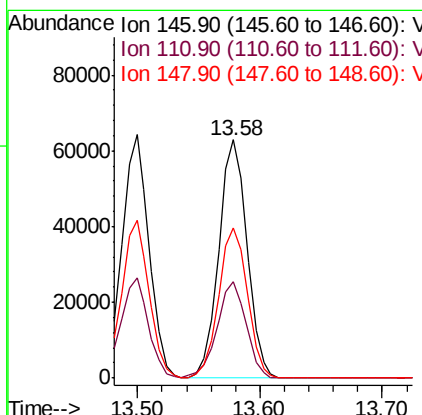
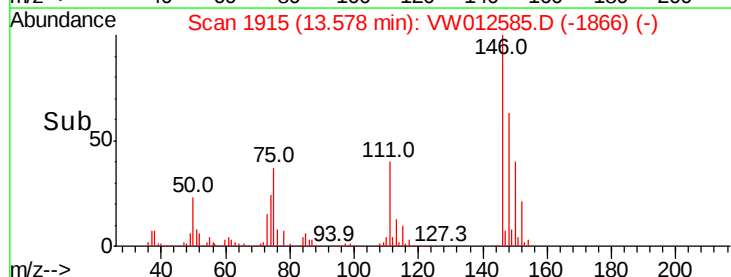
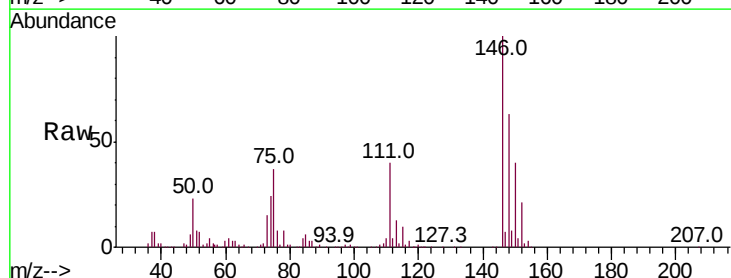
RT: 13.58 min Scan# 1915

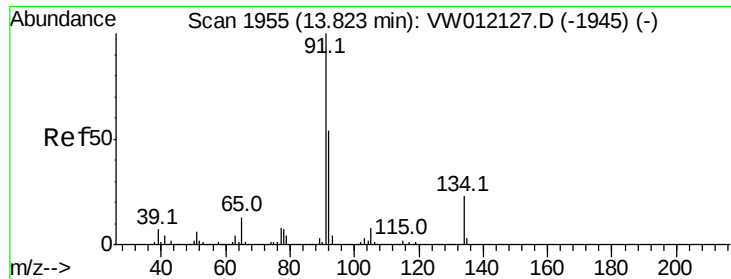
Delta R.T. -0.00 min

Lab File: VW012585.D

Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	100833		
111	41.5	20.0	60.0	
148	64.3	32.1	96.3	





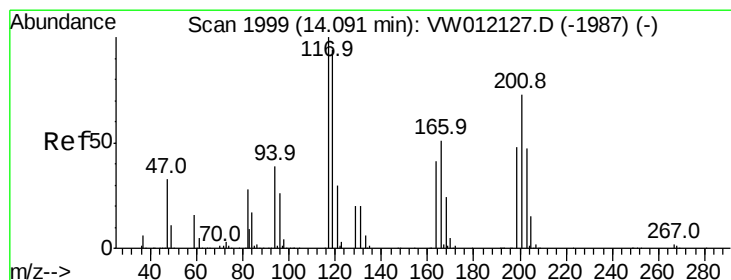
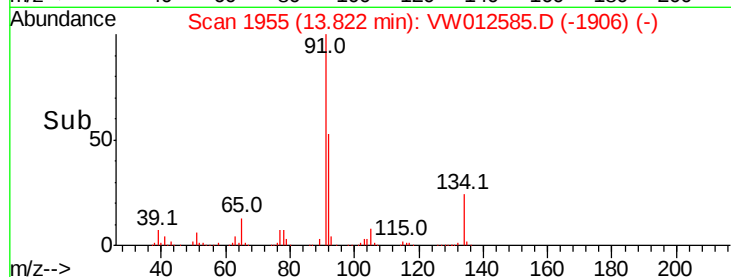
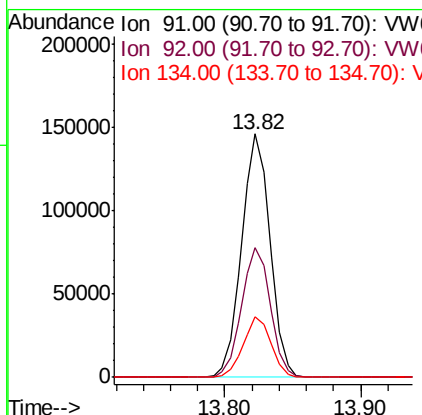
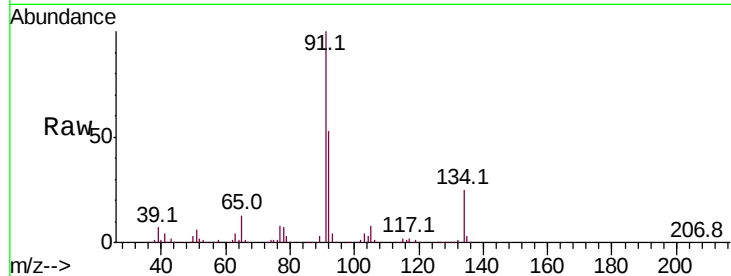
#89
n-Butylbenzene
Concen: 23.088 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.9	27.1	81.2	
134	24.6	12.2	36.4	

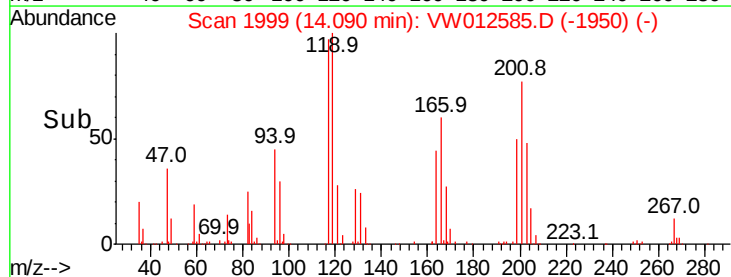
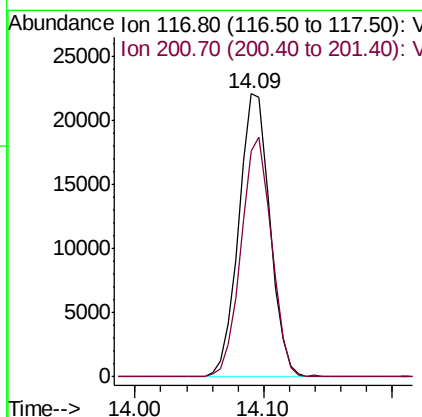
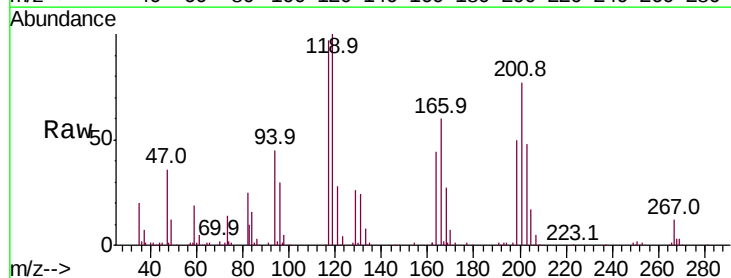
Manual Integrations
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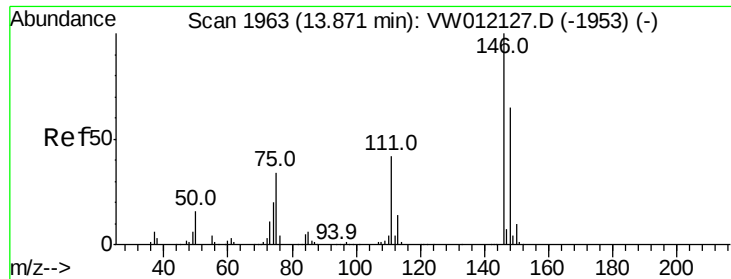
MMDadoda
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#90
Hexachloroethane
Concen: 22.615 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	82.5	38.6	115.7	





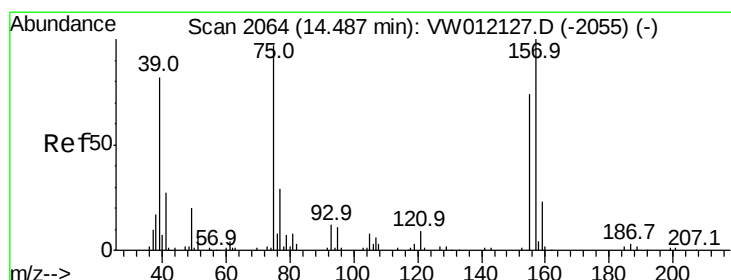
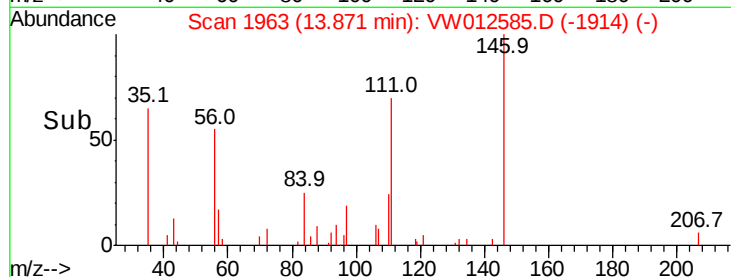
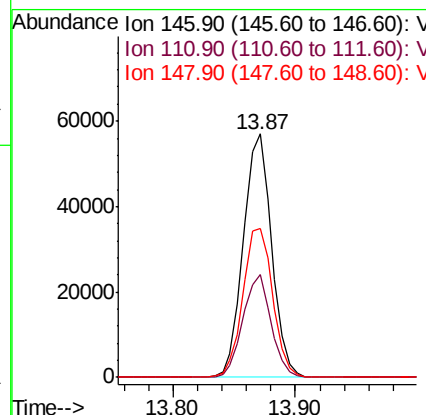
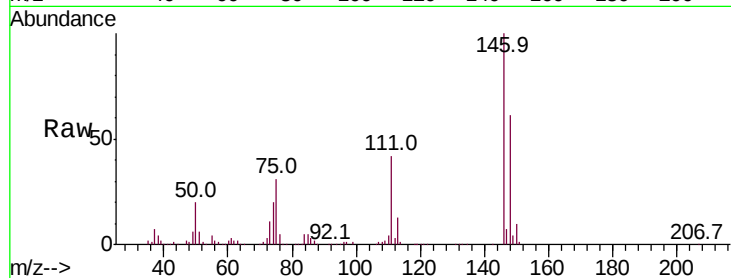
#91
 1,2-Dichlorobenzene
 Concen: 23.959 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.2	63.6
148	64.6	32.5	97.4

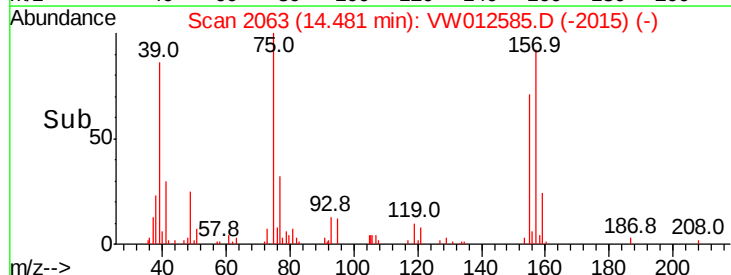
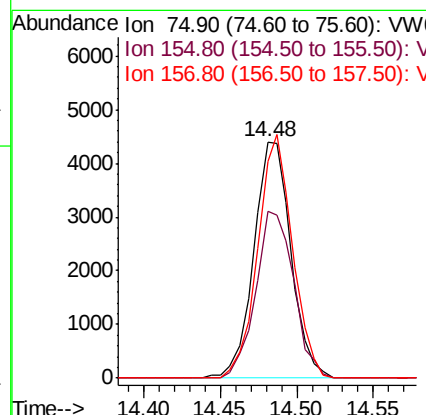
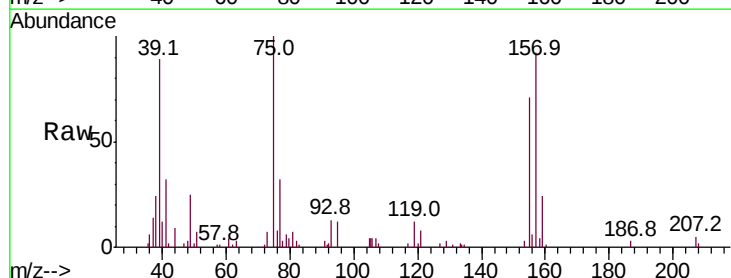
Manual Integrations
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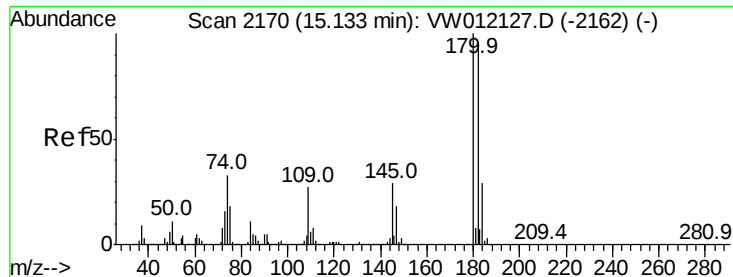
MMDadoda
 9/7/2019 12:46:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.459 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	37.5	112.3
157	96.1	50.5	151.5





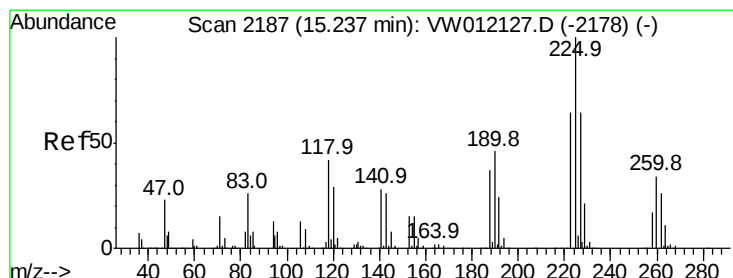
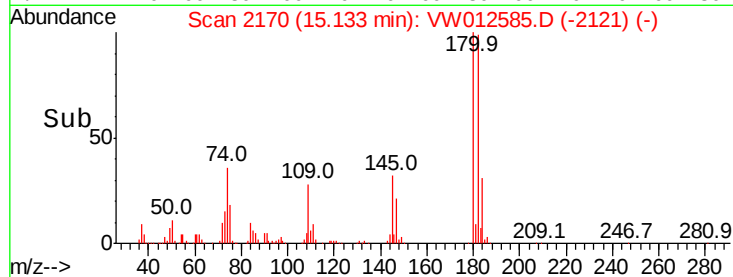
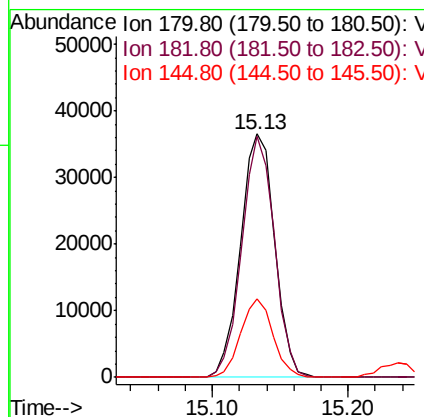
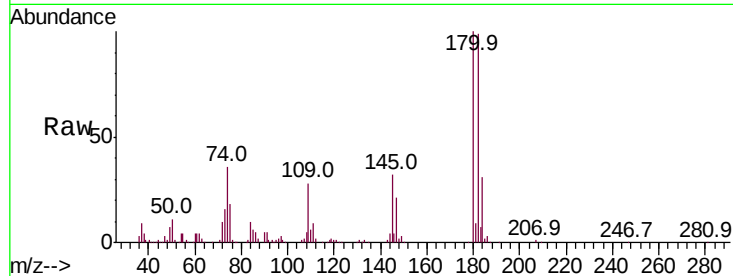
#93
 1,2,4-Trichlorobenzene
 Concen: 24.256 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	47.8	143.4	
145	30.4	15.0	45.1	

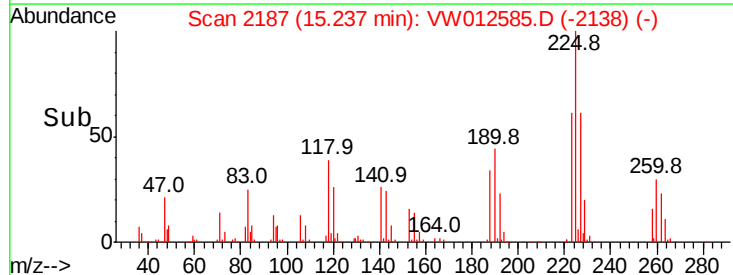
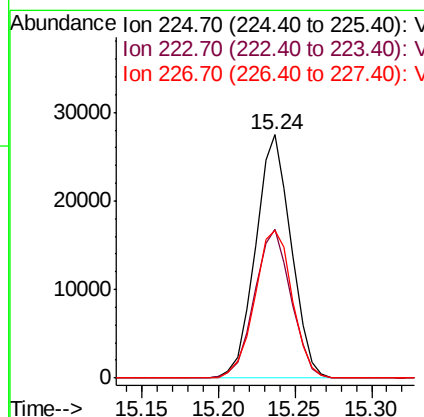
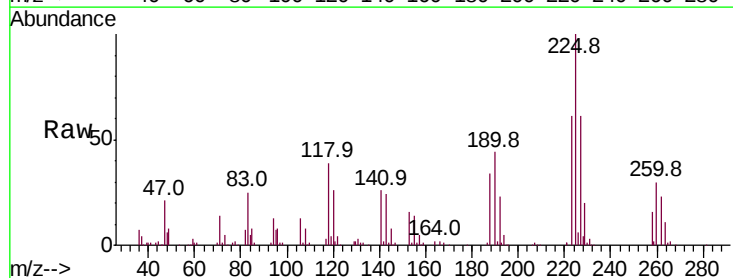
Manual Integrations
 APPROVED

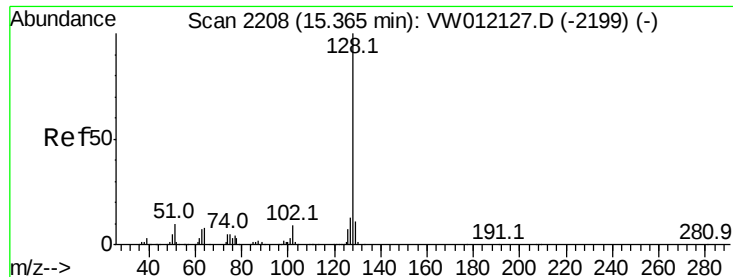
MMDadoda
 9/7/2019 12:46:10 AM



#94
 Hexachlorobutadiene
 Concen: 25.517 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012585.D
 Acq: 04 Sep 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	32.3	96.8	
227	64.2	32.9	98.6	





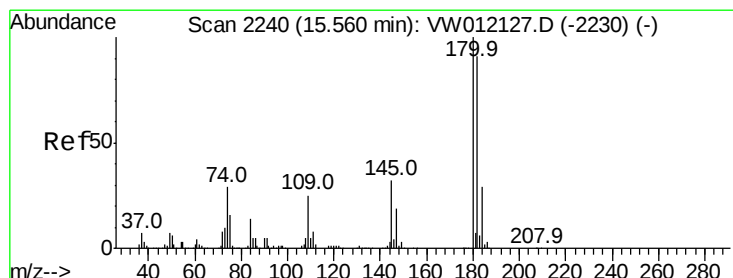
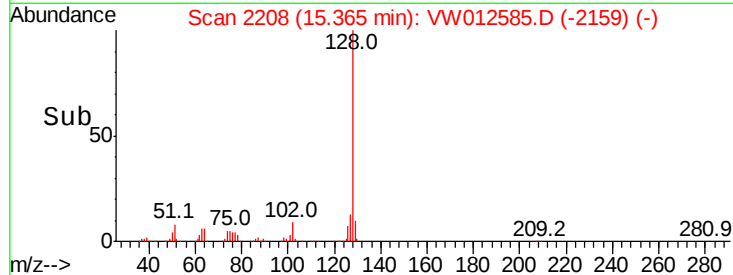
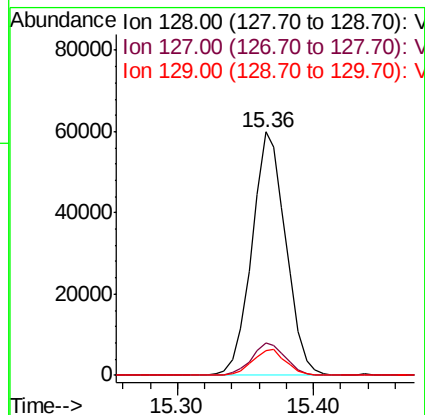
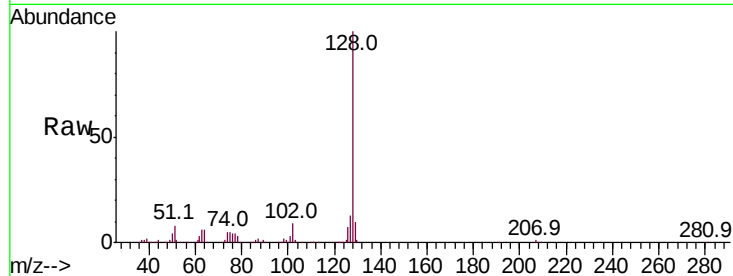
#95
Naphthalene
Concen: 22.771 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS01

Tot Ion:128	Resp:	104455
Ion Ratio	Lower	Upper
128 100		
127 13.5	10.7	16.1
129 10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 24.327 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012585.D
Acq: 04 Sep 2019 10:39

Tgt Ion:180	Resp:	55946
Ion Ratio	Lower	Upper
180 100		
182 95.8	47.1	141.3
145 31.9	16.2	48.5

