

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012586.D
 Acq On : 04 Sep 2019 11:05
 Operator : SY/VA
 Sample : VW0904SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:44 AM

Quant Time: Sep 04 15:07:20 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	226889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	137573	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.88	113	107783	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.32	98	428352	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.62	95	153086	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24452	17.503	ug/l	92
3) Chloromethane	2.21	50	36265	16.755	ug/l	98
4) Vinyl Chloride	2.35	62	44842	16.927	ug/l	98
5) Bromomethane	2.78	94	22788	16.985	ug/l	98
6) Chloroethane	2.92	64	26065	17.441	ug/l	96
7) Trichlorofluoromethane	3.25	101	25457	19.137	ug/l	95
8) Diethyl Ether	3.68	74	21796	17.262	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41176	18.211	ug/l	97
10) Methyl Iodide	4.27	142	52774	17.250	ug/l	98
11) Tert butyl alcohol	5.21	59	14458	89.075	ug/l	97
12) 1,1-Dichloroethene	4.04	96	39270	17.255	ug/l	93
13) Acrolein	3.89	56	9057	59.278	ug/l	98
14) Allyl chloride	4.67	41	81795	16.812	ug/l	95
15) Acrylonitrile	5.37	53	54864	87.665	ug/l	99
16) Acetone	4.13	43	54860	79.571	ug/l	98
17) Carbon Disulfide	4.38	76	96541	14.036	ug/l	99
18) Methyl Acetate	4.67	43	30818	18.047	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	72211	19.621	ug/l	98
20) Methylene Chloride	4.91	84	48362	18.555	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	42639	17.472	ug/l	94
22) Diisopropyl ether	6.31	45	165440	18.345	ug/l	93
23) Vinyl Acetate	6.26	43	488164	87.957	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91421	18.618	ug/l	98
25) 2-Butanone	7.18	43	86209	92.017	ug/l	100
26) 2,2-Dichloropropane	7.16	77	60512	21.772	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52093	19.979	ug/l	98
28) Bromochloromethane	7.51	49	45141	21.092	ug/l	95
29) Tetrahydrofuran	7.53	42	53173	94.599	ug/l	100
30) Chloroform	7.68	83	96453	21.470	ug/l	95
31) Cyclohexane	7.95	56	86430	17.791	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	78147	21.989	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74784	20.792	ug/l	99
37) Ethyl Acetate	7.25	43	39294	19.936	ug/l	99
38) Carbon Tetrachloride	8.07	117	69917	22.459	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78195	19.352	ug/l	96
40) Benzene	8.32	78	202011	20.569	ug/l	98
41) Methacrylonitrile	7.48	41	24283	20.962	ug/l	98
42) 1,2-Dichloroethane	8.40	62	68615	22.291	ug/l	99
43) Isopropyl Acetate	8.42	43	74287	20.348	ug/l	98
44) Trichloroethene	9.09	130	50535	21.166	ug/l	99
45) 1,2-Dichloropropane	9.37	63	55005	20.810	ug/l	97
46) Dibromomethane	9.46	93	24599	20.917	ug/l	97
47) Bromodichloromethane	9.64	83	68760	21.968	ug/l	99
48) Methyl methacrylate	9.43	41	34762	20.005	ug/l	96
49) 1,4-Dioxane	9.47	88	6484	360.144	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	186315	100.333	ug/l	99
52) Toluene	10.38	92	124928	21.174	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67660	21.222	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	79814	20.733	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35911	21.582	ug/l	99
56) Ethyl methacrylate	10.65	69	49422	20.408	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66883	21.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	131268	105.615	ug/l	99
59) 2-Hexanone	10.97	43	129243	98.364	ug/l	100
60) Dibromochloromethane	11.13	129	40275	21.731	ug/l	98
61) 1,2-Dibromoethane	11.23	107	32648	21.061	ug/l	99
64) Tetrachloroethene	10.86	164	42444	21.713	ug/l	98
65) Chlorobenzene	11.66	112	126475	21.303	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47165	22.773	ug/l	99
67) Ethyl Benzene	11.73	91	246290	21.536	ug/l	99
68) m/p-Xylenes	11.84	106	177071	42.983	ug/l	100
69) o-Xylene	12.16	106	81676	21.422	ug/l	98
70) Styrene	12.18	104	144870	21.952	ug/l	99
71) Bromoform	12.35	173	22734	22.031	ug/l #	100
73) Isopropylbenzene	12.46	105	237118	21.481	ug/l	98
74) N-amyl acetate	12.27	43	64392	19.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41771	20.641	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	29954m	20.877	ug/l	
77) Bromobenzene	12.74	156	52133	21.830	ug/l	95
78) n-propylbenzene	12.80	91	285951	21.219	ug/l	99
79) 2-Chlorotoluene	12.89	91	164996	21.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	202947	22.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13608	20.795	ug/l	100
82) 4-Chlorotoluene	12.99	91	173987	21.718	ug/l	100
83) tert-Butylbenzene	13.21	119	171915	22.002	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	202230	21.826	ug/l	99
85) sec-Butylbenzene	13.38	105	244730	21.862	ug/l	99
86) p-Isopropyltoluene	13.50	119	218616	21.868	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102265	21.893	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	101153	21.809	ug/l	99
89) n-Butylbenzene	13.82	91	214658	21.592	ug/l	99
90) Hexachloroethane	14.09	117	37542	21.404	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	91328	22.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7055	20.679	ug/l	94

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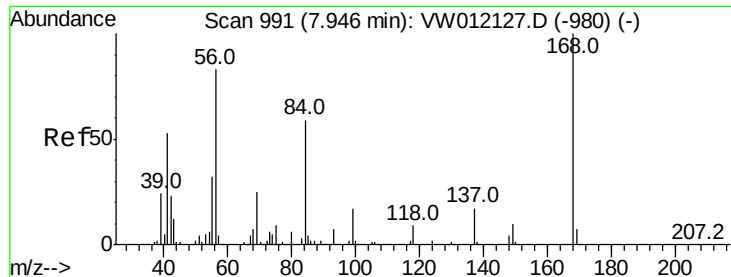
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62284	21.995	ug/l	99
94) Hexachlorobutadiene	15.24	225	43739	23.392	ug/l	98
95) Naphthalene	15.36	128	99918	20.748	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	52586	21.284	ug/l	97

(#) = 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: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion:168 Resp: 226889

Ion Ratio Lower Upper

168 100

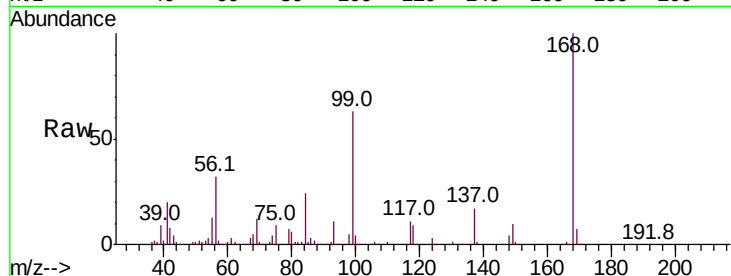
99 63.3 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

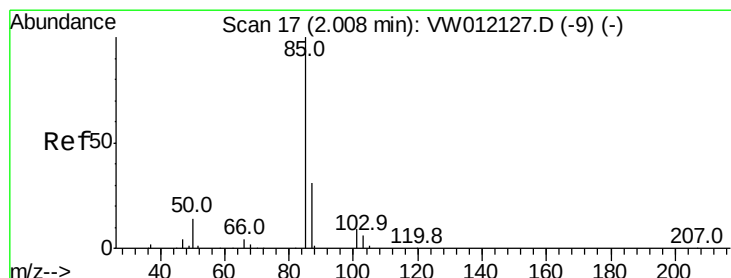
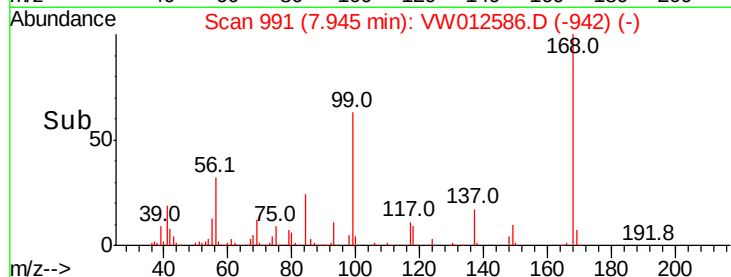
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 17.503 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012586.D

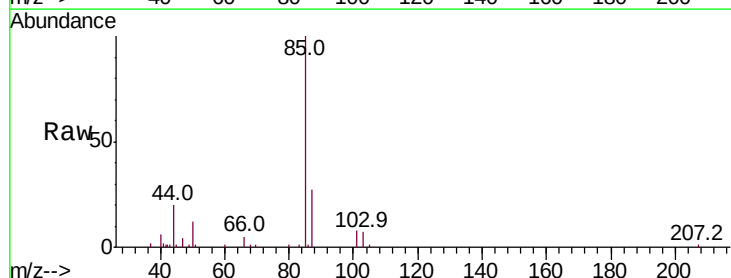
Acq: 04 Sep 2019 11:05

Tgt Ion: 85 Resp: 24452

Ion Ratio Lower Upper

85 100

87 26.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

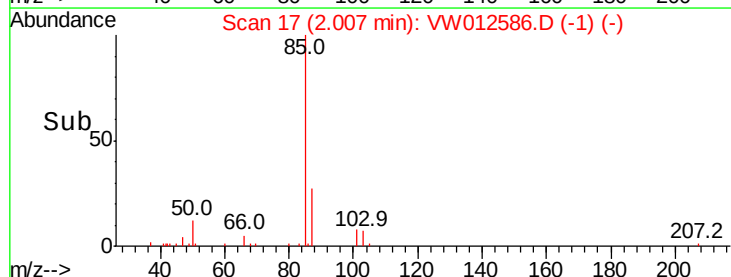
6000

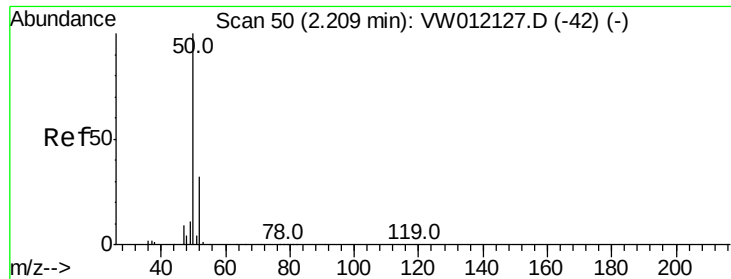
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 16.755 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion: 50 Resp: 36265

Ion Ratio Lower Upper

50 100

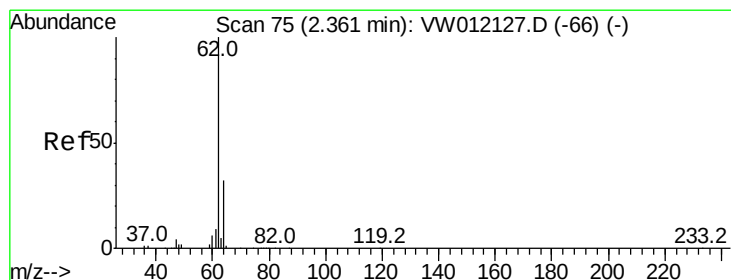
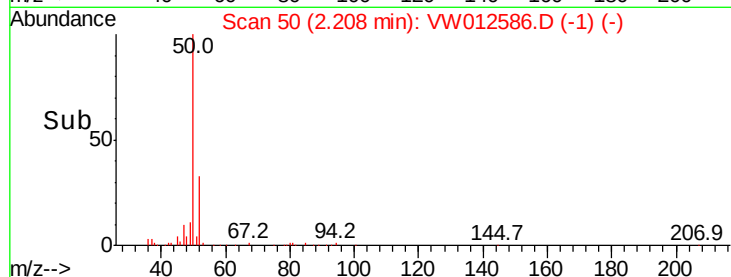
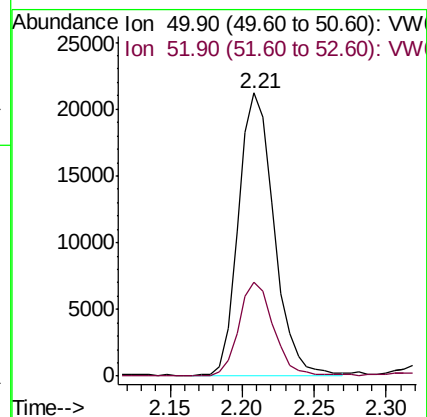
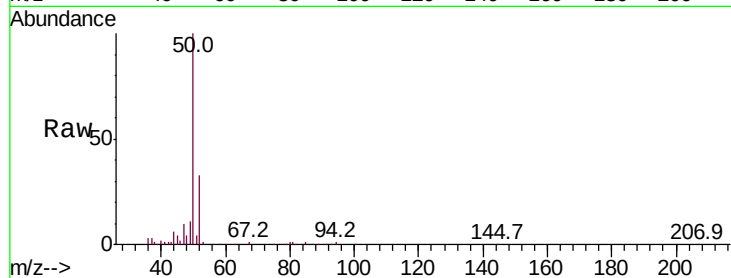
52 33.3 25.5 38.3

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#4

Vinyl Chloride

Concen: 16.927 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012586.D

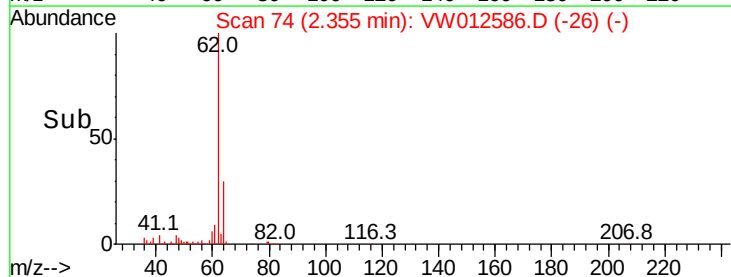
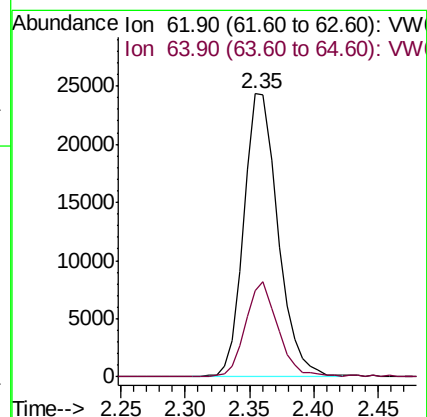
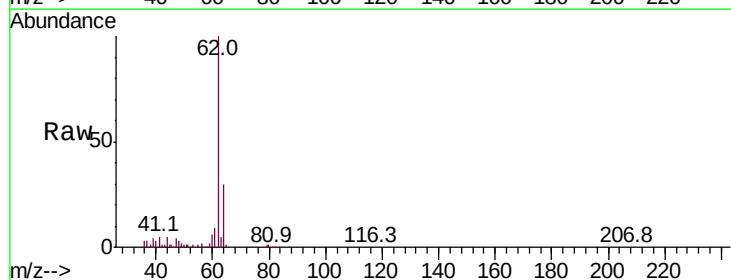
Acq: 04 Sep 2019 11:05

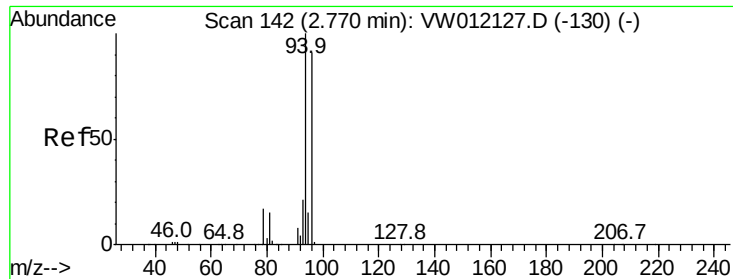
Tgt Ion: 62 Resp: 44842

Ion Ratio Lower Upper

62 100

64 30.5 25.3 37.9





#5

Bromomethane

Concen: 16.985 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion: 94 Resp: 22788

Ion Ratio Lower Upper

94 100

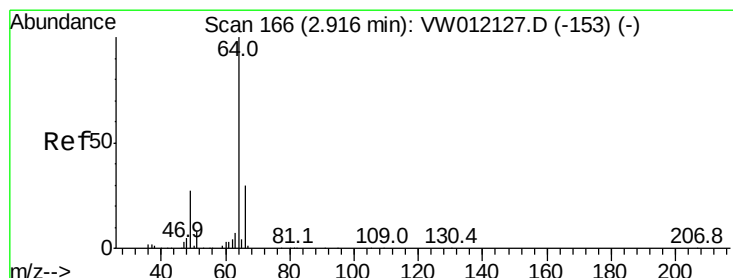
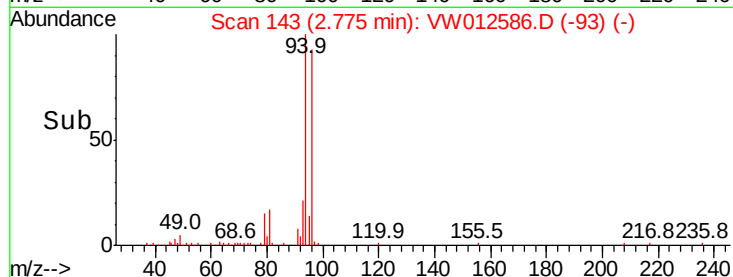
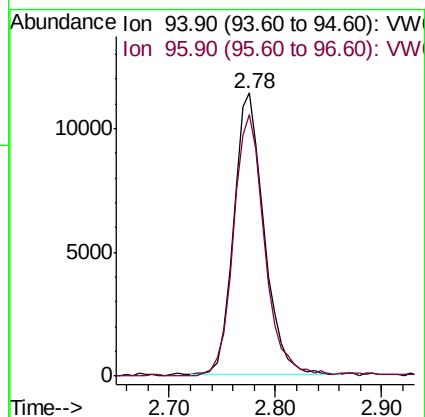
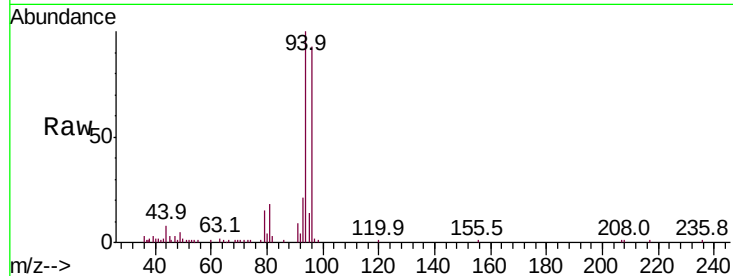
96 93.0 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.441 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012586.D

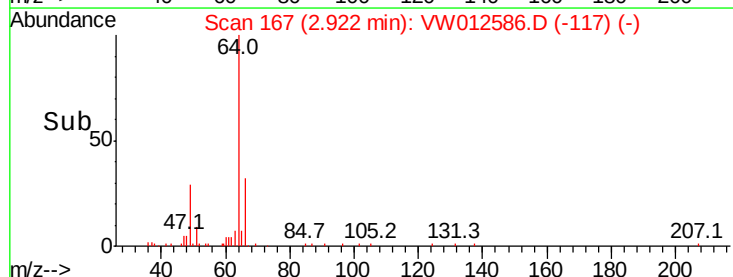
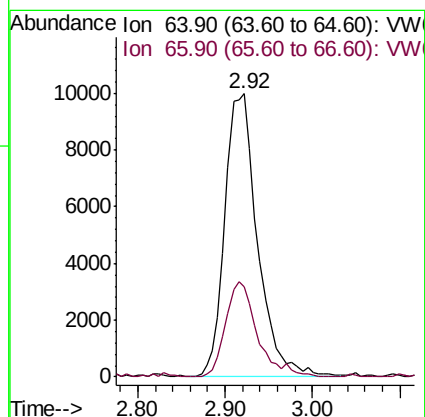
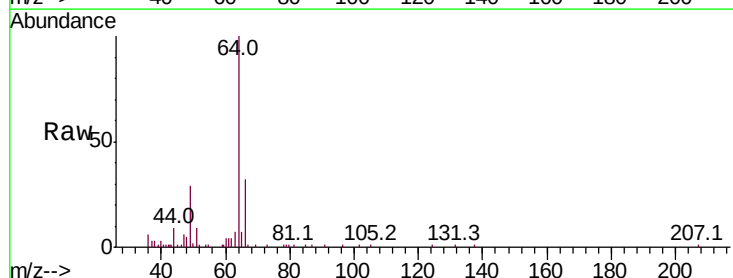
Acq: 04 Sep 2019 11:05

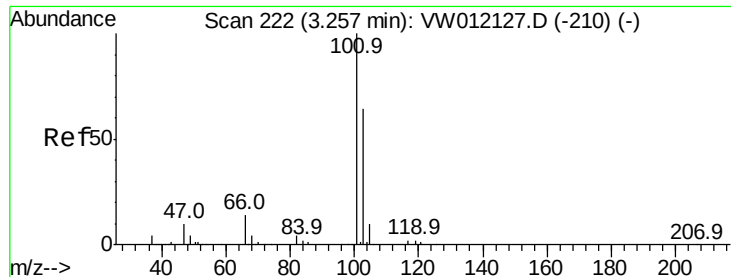
Tgt Ion: 64 Resp: 26065

Ion Ratio Lower Upper

64 100

66 31.7 23.8 35.8





#7

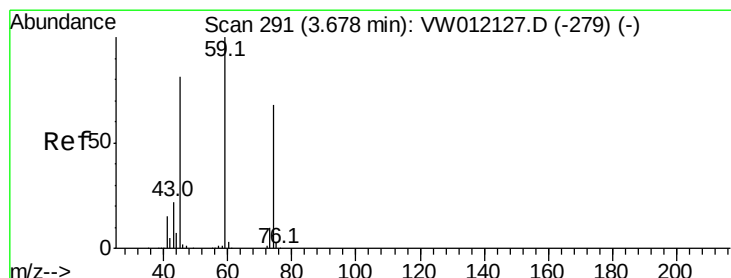
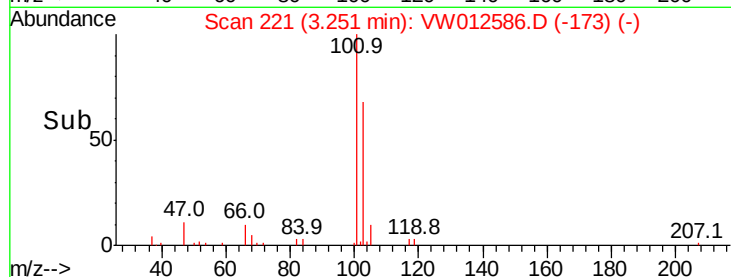
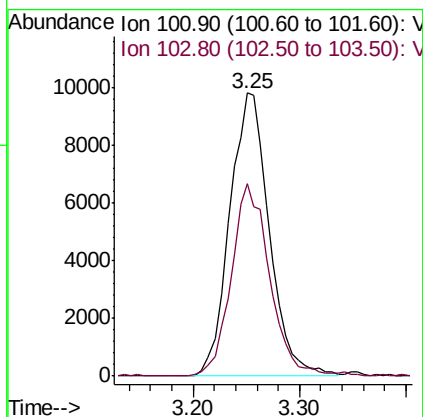
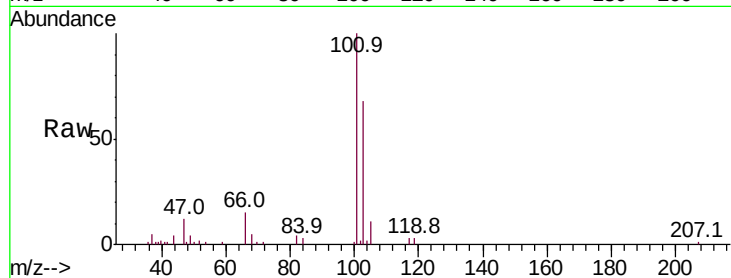
Trichlorofluoromethane
 Concen: 19.137 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

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 ClientSampleId :
 VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.2	76.8

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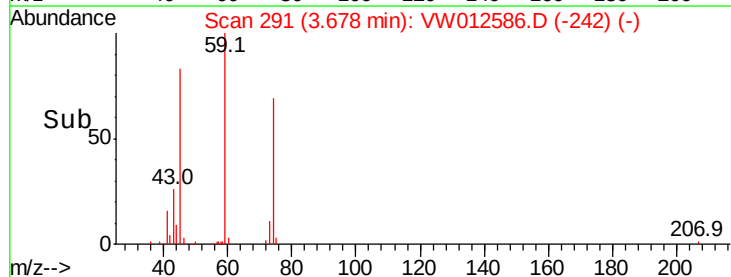
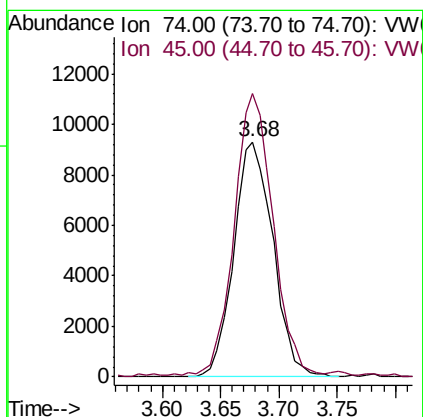
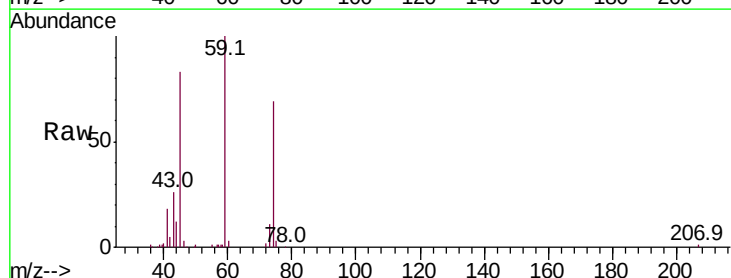
MMDadoda
 9/7/2019 12:46:44 AM

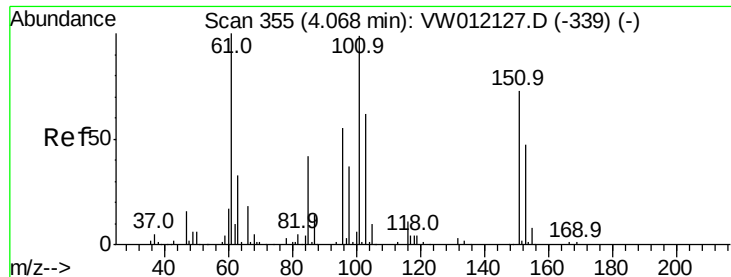


#8

Diethyl Ether
 Concen: 17.262 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.3	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.211 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

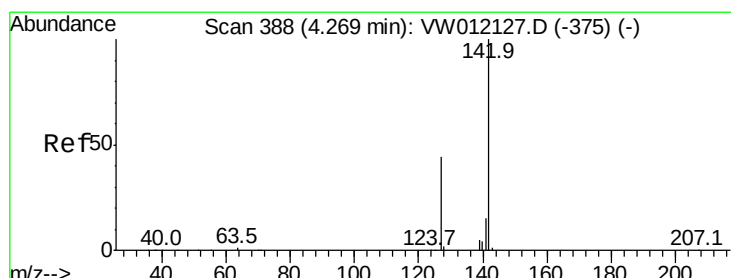
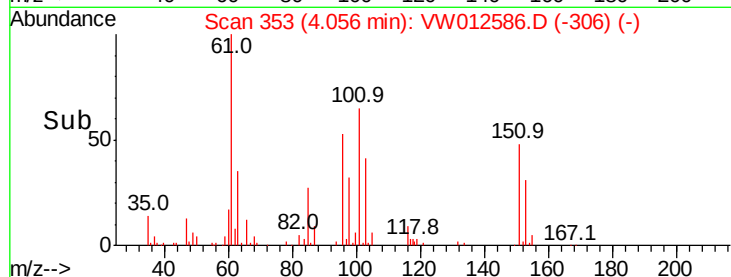
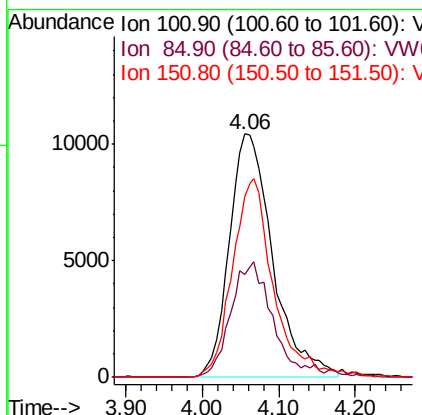
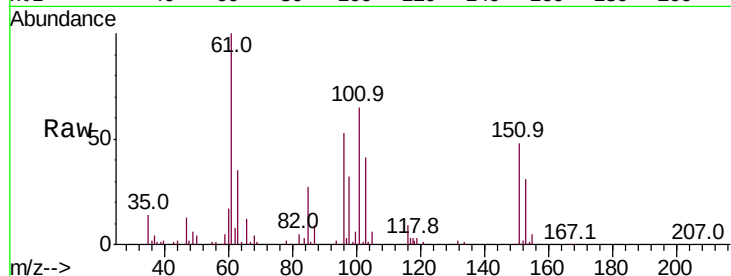
ClientSampleId :

VW0904SBSD01

Tot Ion:	101	Resp:	41176
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.8	53.6
151	77.1	58.6	87.8

Manual Integrations
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9/7/2019 12:46:44 AM



#10

Methyl Iodide

Concen: 17.250 ug/l

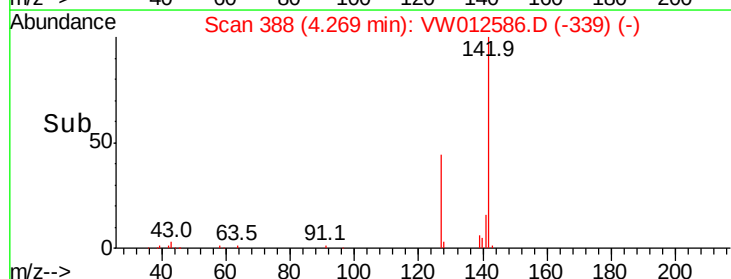
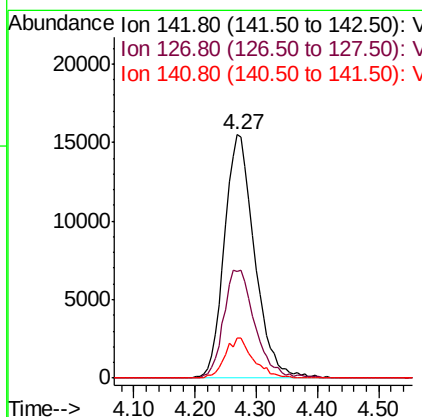
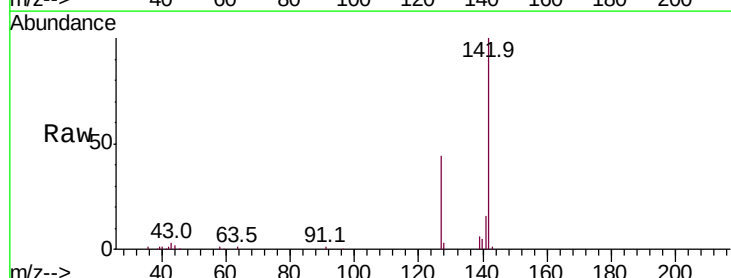
RT: 4.27 min Scan# 388

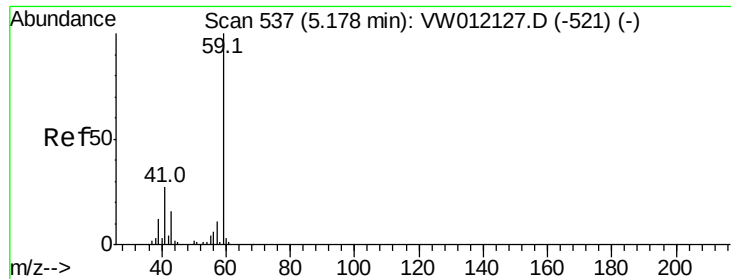
Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	142	Resp:	52774
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.5	53.3
141	15.4	11.8	17.8





#11

Tert butyl alcohol

Concen: 89.075 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

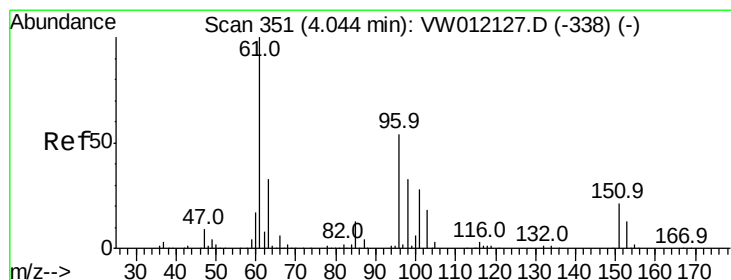
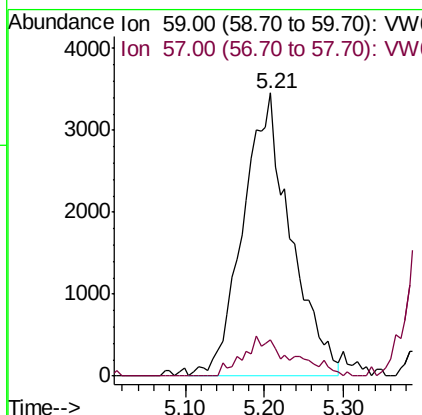
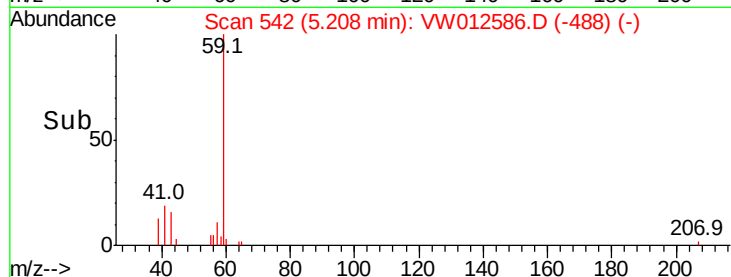
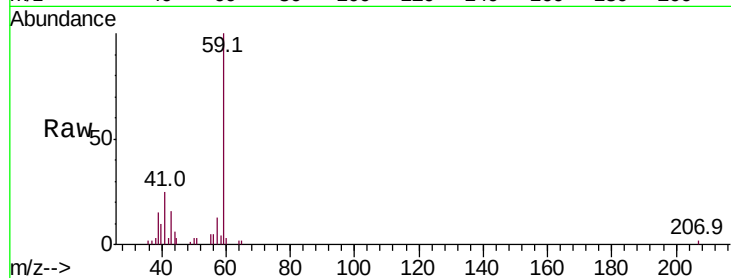
Instrument :
MSVOA_W

ClientSampleId :
VW0904SBSD01

Tot Ion	59	57	Ratio	100	10.2	Resp:	Lower	Upper
14458								
							9.0	13.4

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#12

1,1-Dichloroethene

Concen: 17.255 ug/l

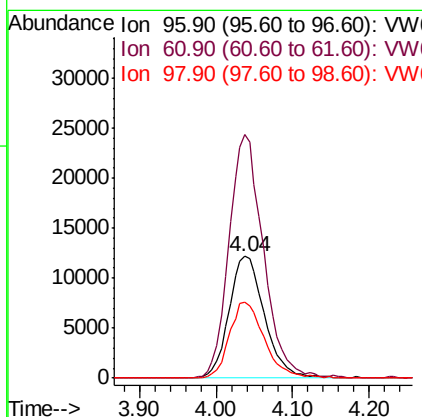
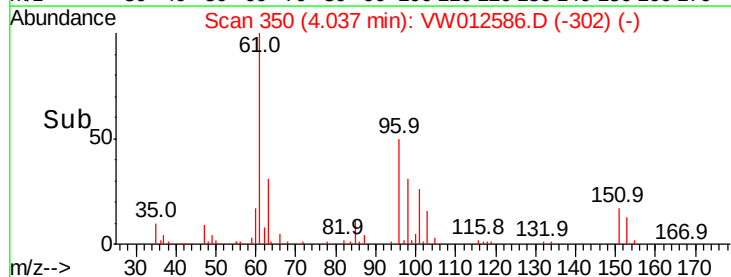
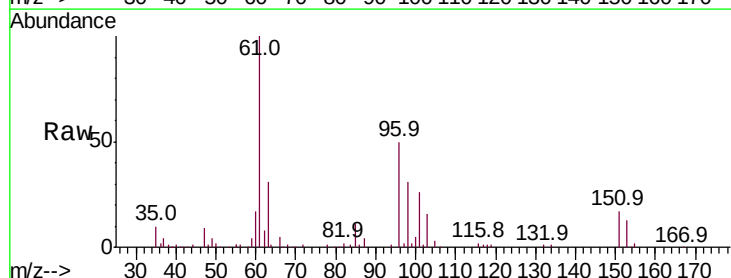
RT: 4.04 min Scan# 350

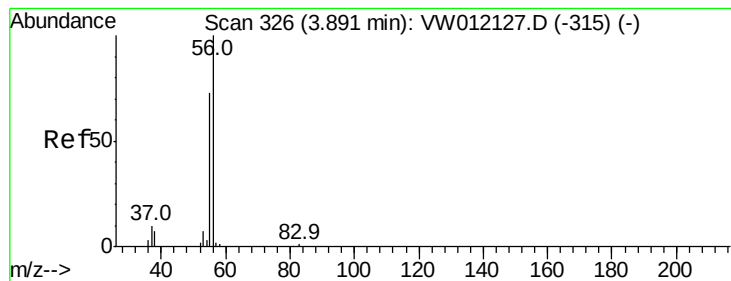
Delta R.T. -0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion	96	61	98	Ratio	100	199.7	62.0	Resp:	Lower	Upper
39270										
									149.1	223.7
									49.4	74.2





#13

Acrolein

Concen: 59.278 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion: 56 Resp: 9057

Ion Ratio Lower Upper

56 100

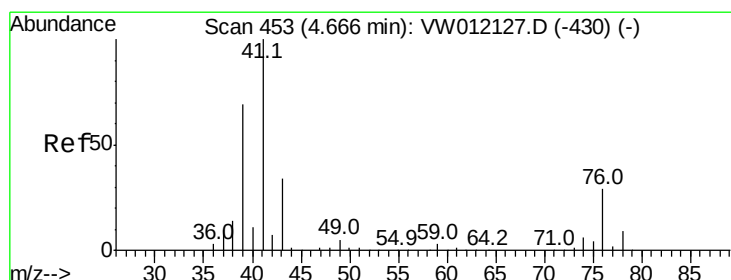
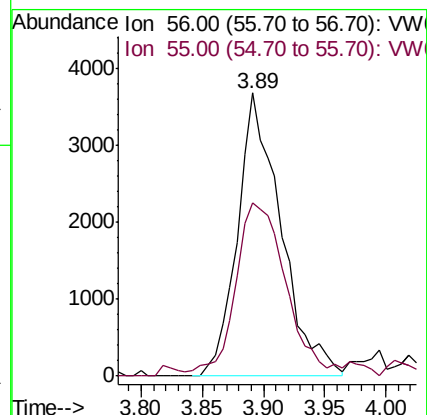
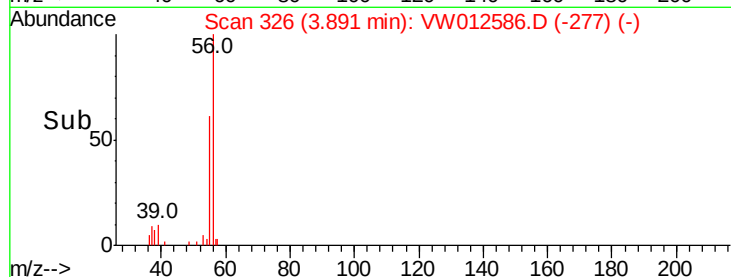
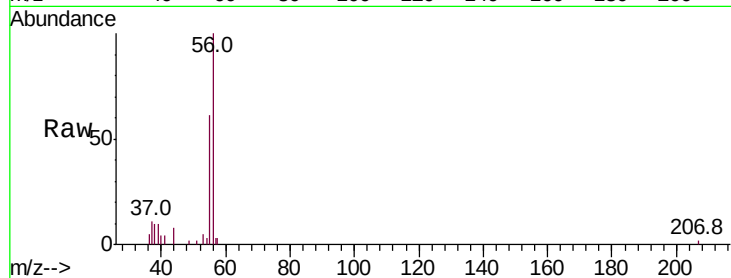
55 67.9 55.8 83.8

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#14

Allyl chloride

Concen: 16.812 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

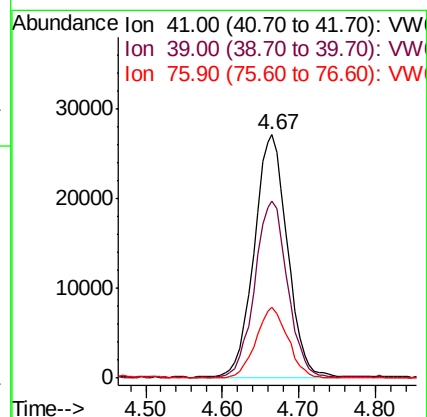
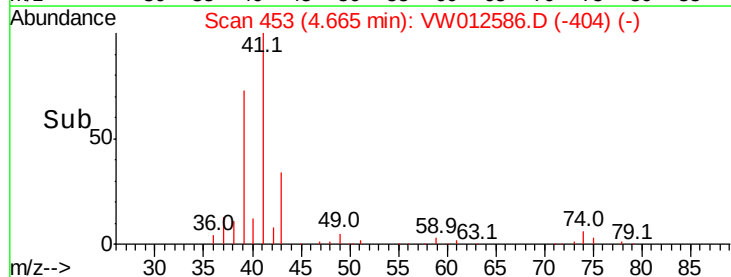
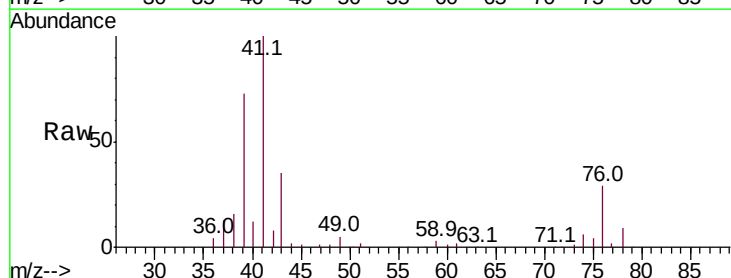
Tgt Ion: 41 Resp: 81795

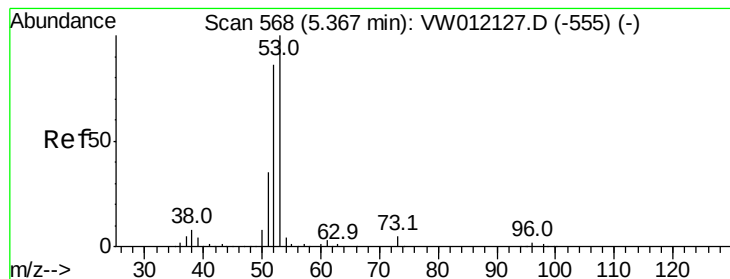
Ion Ratio Lower Upper

41 100

39 71.7 53.4 80.2

76 28.1 22.1 33.1





#15

Acrylonitrile

Concen: 87.665 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

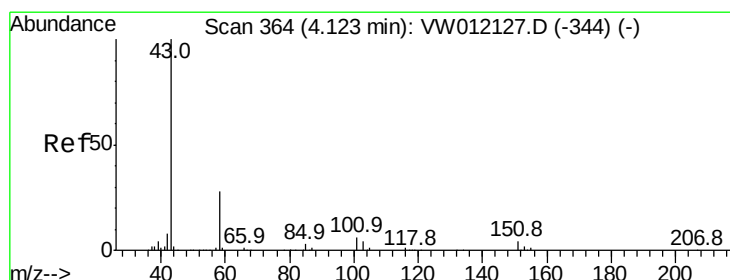
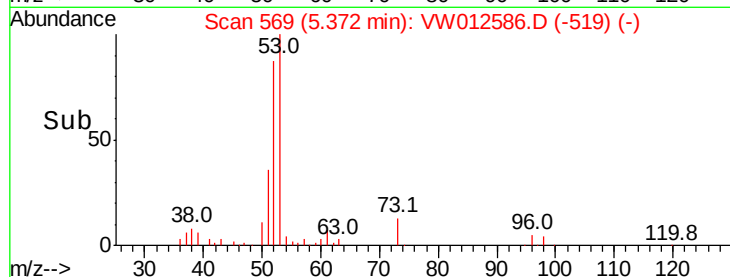
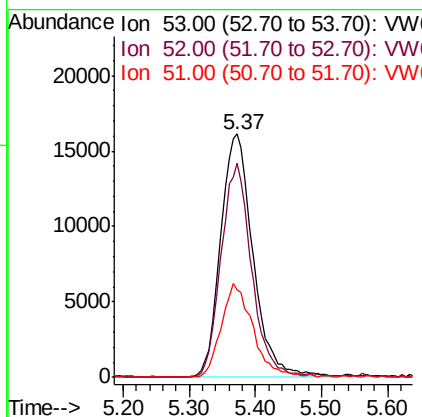
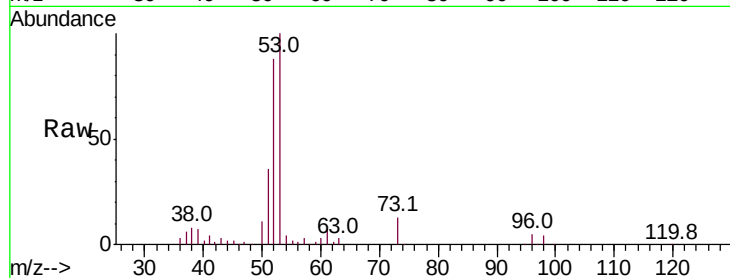
ClientSampleId :

VW0904SBSD01

Tot Ion:	53	Resp:	54864
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.7	100.1
51	37.5	30.1	45.1

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#16

Acetone

Concen: 79.571 ug/l

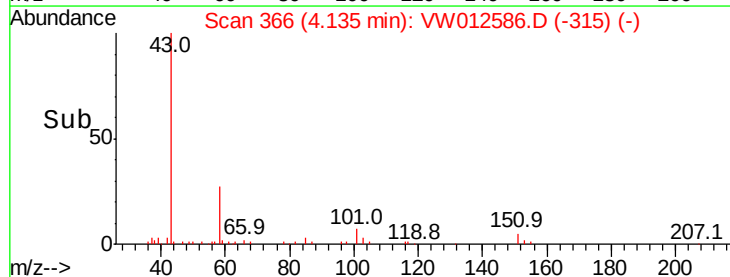
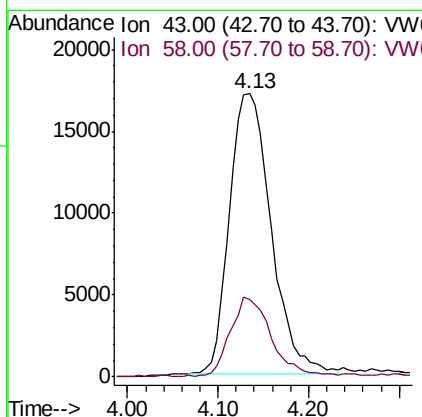
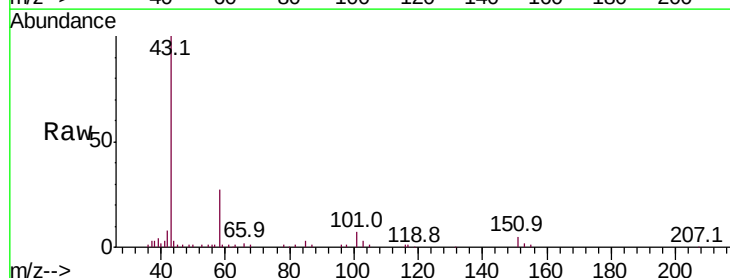
RT: 4.13 min Scan# 366

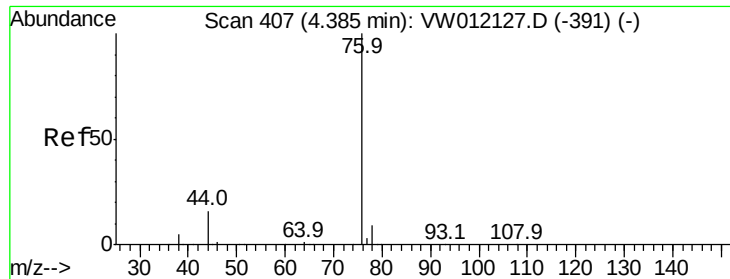
Delta R.T. 0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	43	Resp:	54860
Ion	Ratio	Lower	Upper
43	100		
58	26.9	22.4	33.6





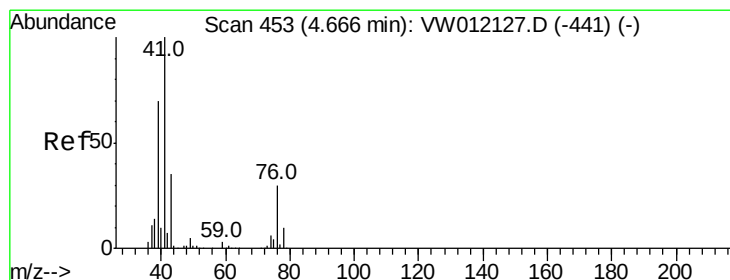
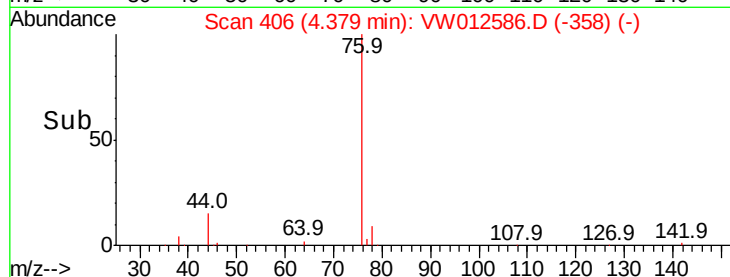
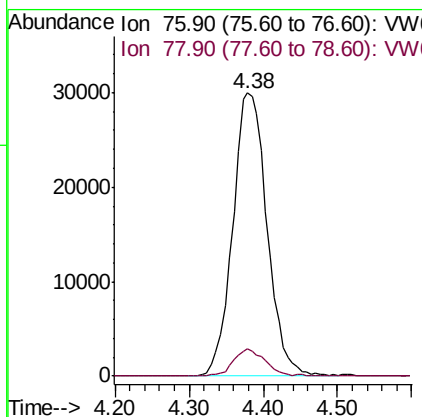
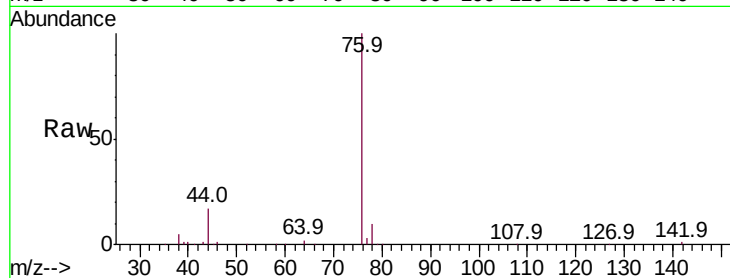
#17
Carbon Disulfide
Concen: 14.036 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion	76	Resp	96541
Ion Ratio	Lower	Upper	
76	100		
78	9.5	7.3	10.9

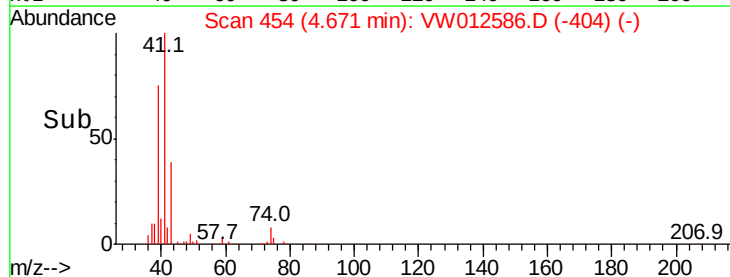
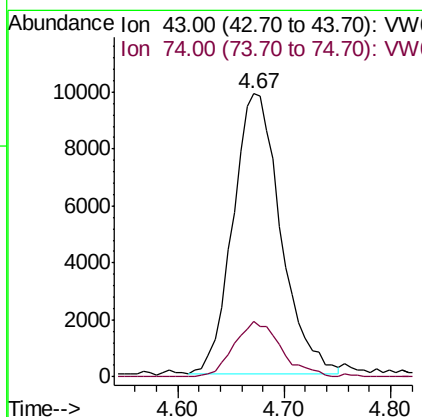
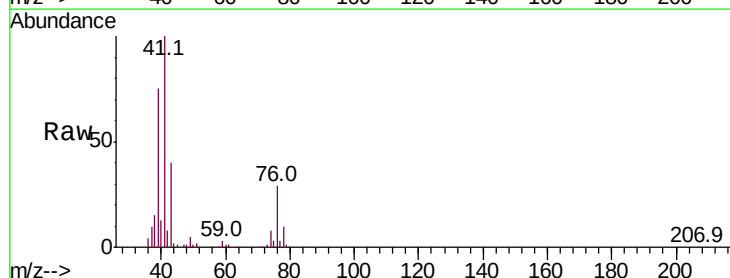
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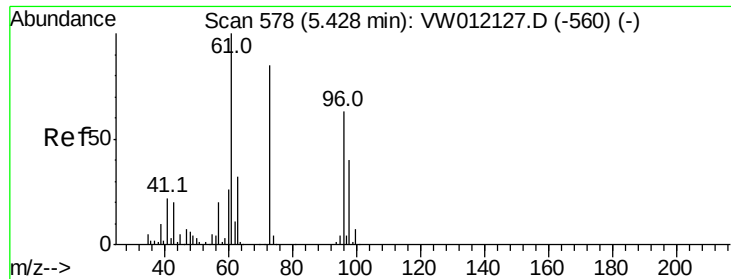
MMDadoda
9/7/2019 12:46:44 AM



#18
Methyl Acetate
Concen: 18.047 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	43	Resp	30818
Ion Ratio	Lower	Upper	
43	100		
74	19.7	15.7	23.5





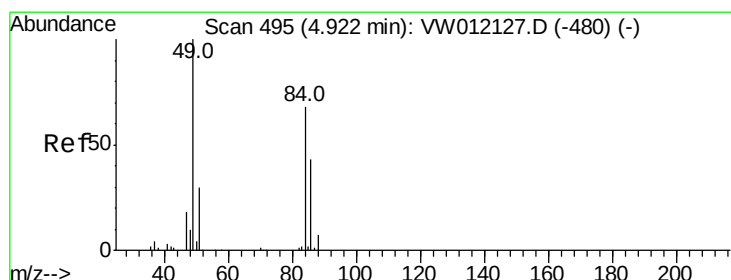
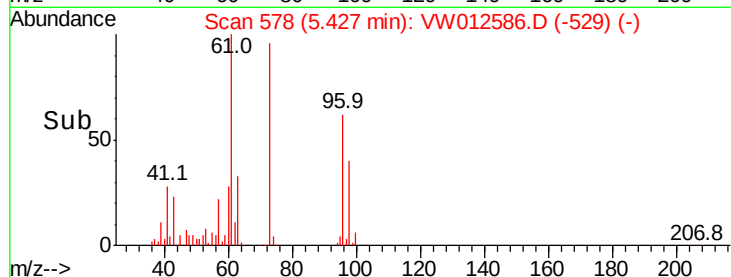
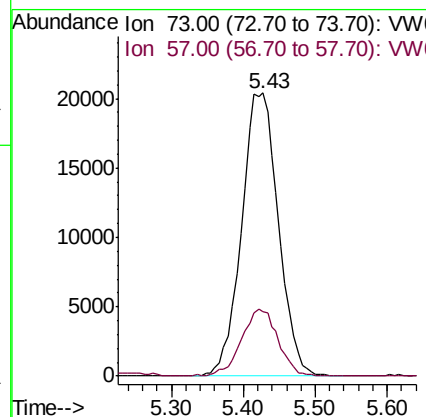
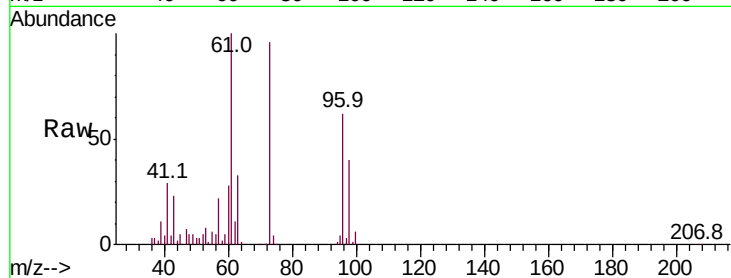
#19
Methvl tert-butyl Ether
Concen: 19.621 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion: 73 Resp: 72211
Ion Ratio Lower Upper
73 100
57 22.6 18.9 28.3

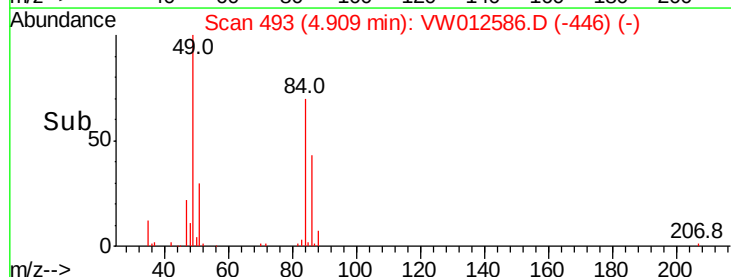
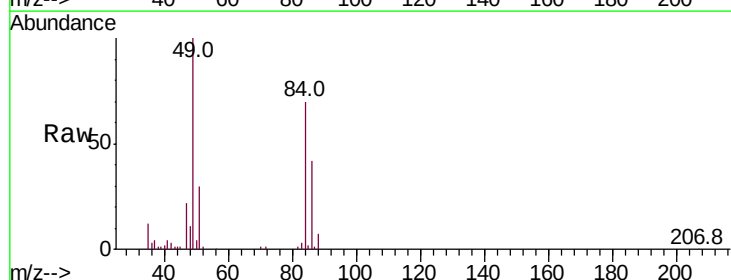
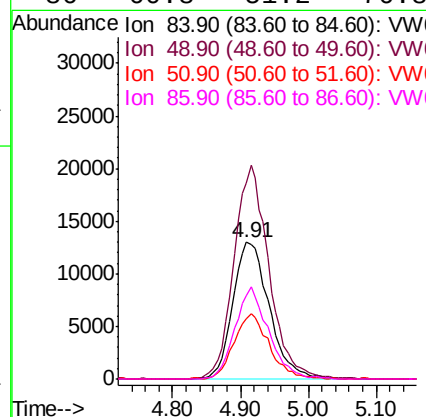
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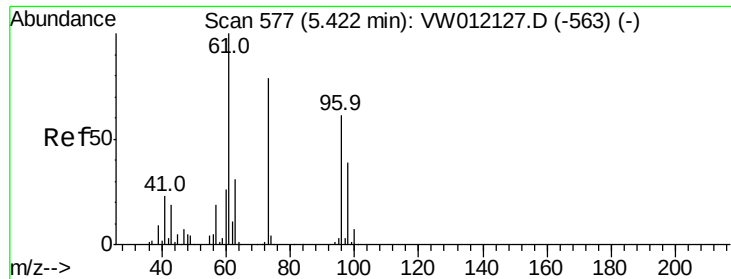
MMDadoda
9/7/2019 12:46:44 AM



#20
Methylene Chloride
Concen: 18.555 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 84 Resp: 48362
Ion Ratio Lower Upper
84 100
49 143.2 117.8 176.8
51 43.5 35.6 53.4
86 60.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 17.472 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion: 96 Resp: 42639

Ion Ratio Lower Upper

96 100

61 154.7 131.4 197.0

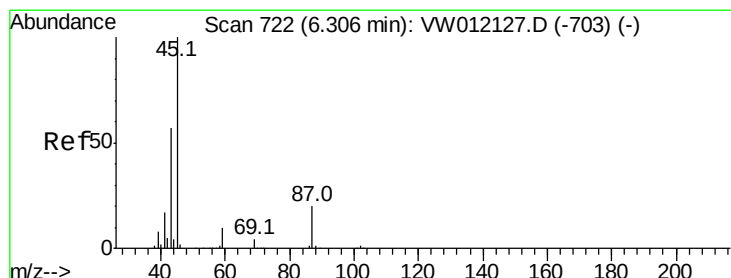
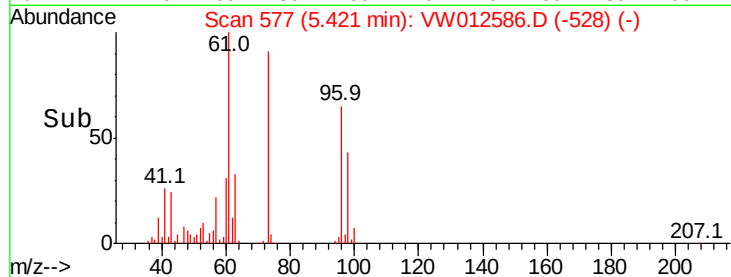
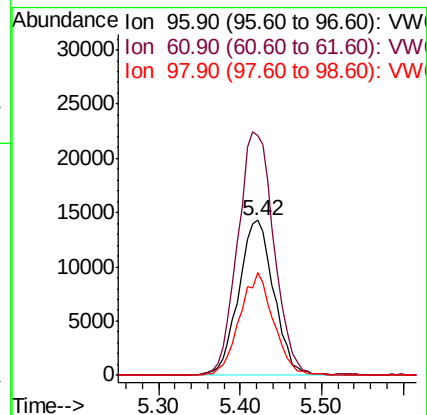
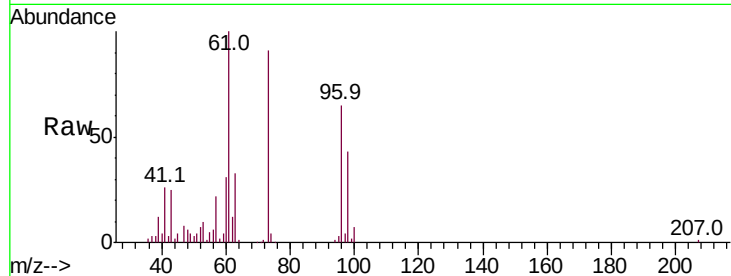
98 66.6 51.4 77.0

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#22

Diisopropyl ether

Concen: 18.345 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion: 45 Resp: 165440

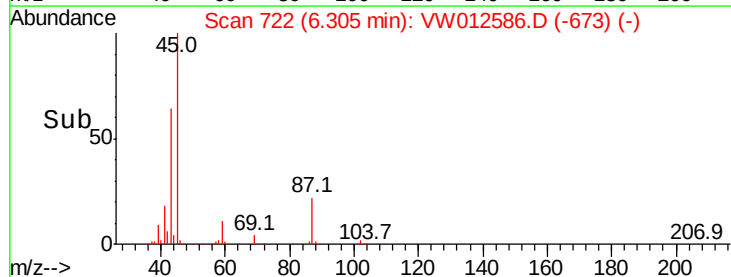
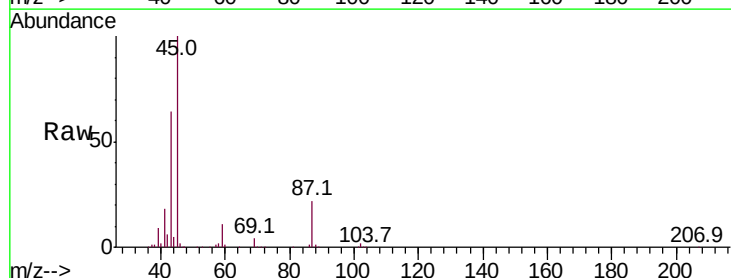
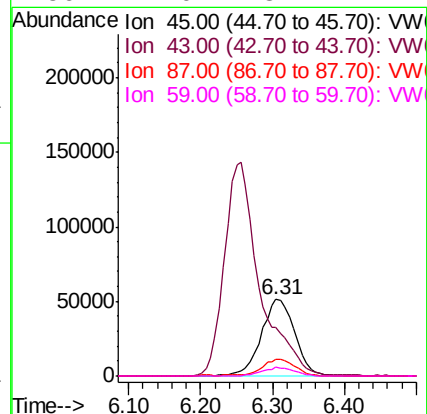
Ion Ratio Lower Upper

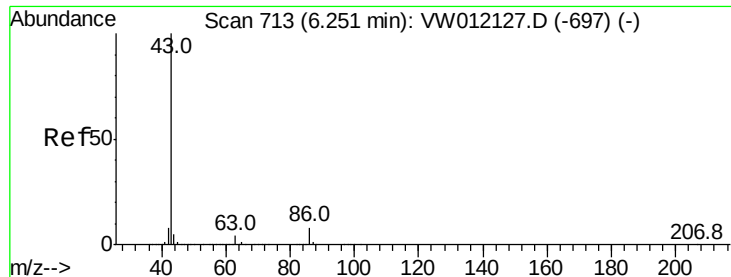
45 100

43 63.6 45.5 68.3

87 21.6 16.1 24.1

59 11.0 8.2 12.2





#23

Vinyl Acetate

Concen: 87.957 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampled :

VW0904SBSD01

Tot Ion: 43 Resp: 488164

Ion Ratio Lower Upper

43 100

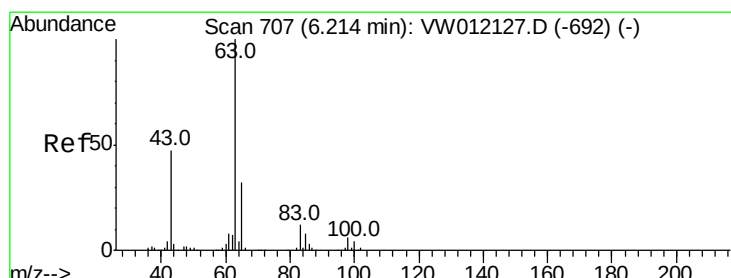
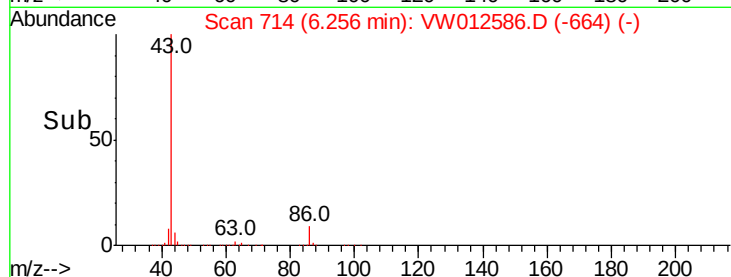
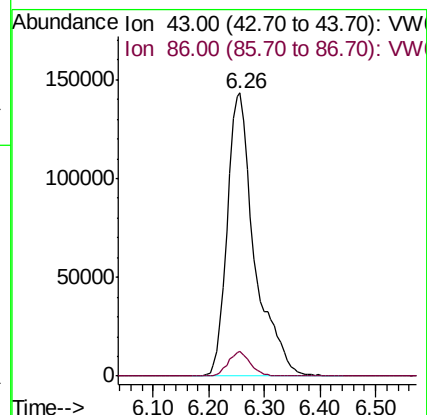
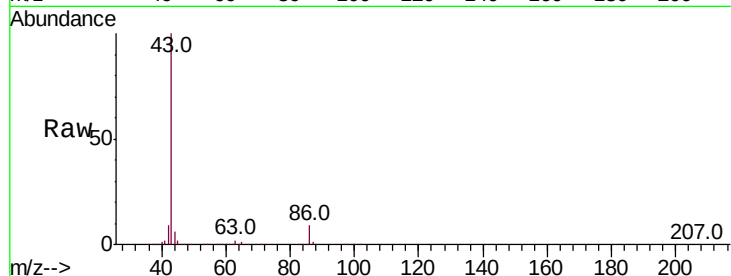
86 8.6 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 18.618 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

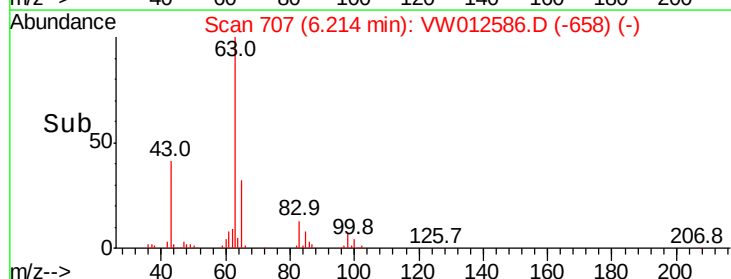
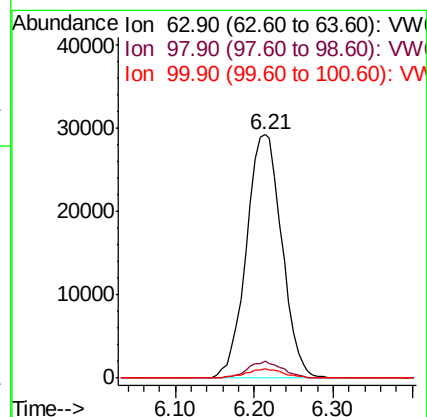
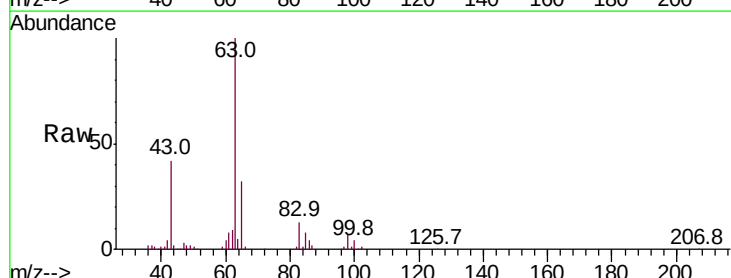
Tgt Ion: 63 Resp: 91421

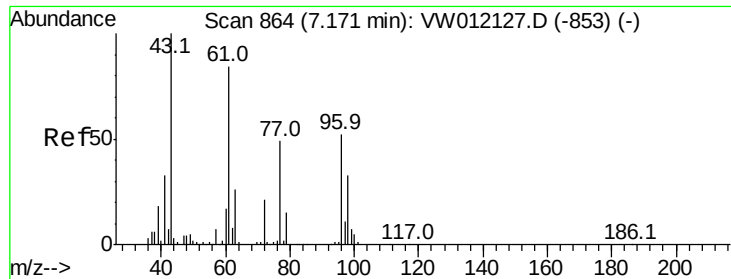
Ion Ratio Lower Upper

63 100

98 7.1 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 92.017 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampled :

VW0904SBSD01

Tot Ion: 43 Resp: 86209

Ion Ratio Lower Upper

43 100

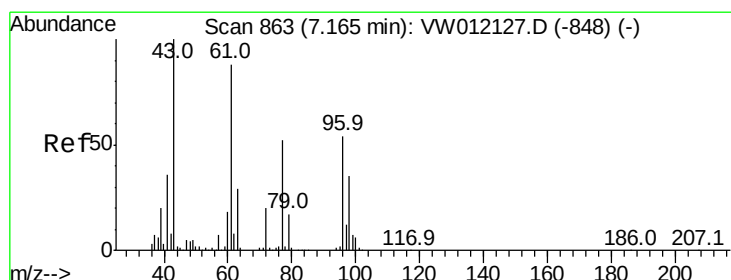
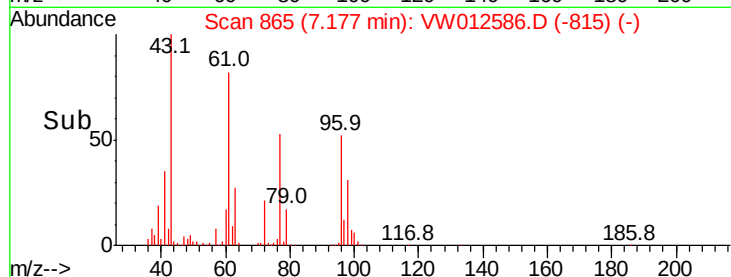
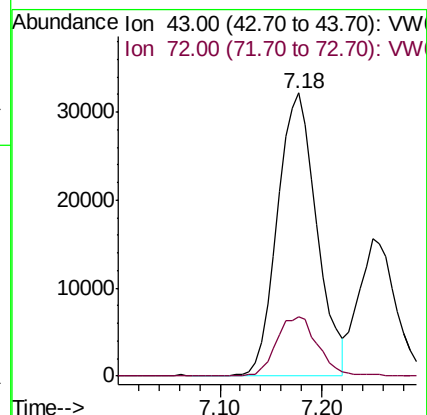
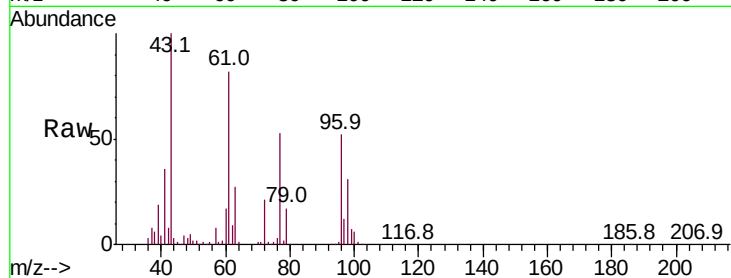
72 20.8 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.772 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012586.D

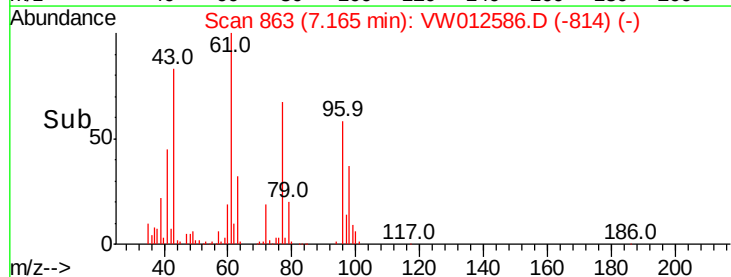
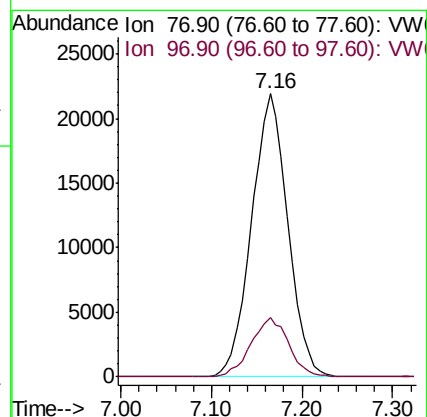
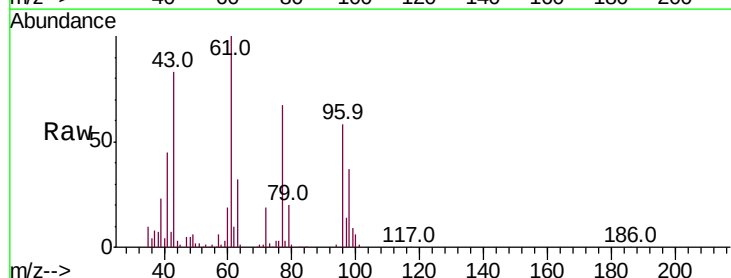
Acq: 04 Sep 2019 11:05

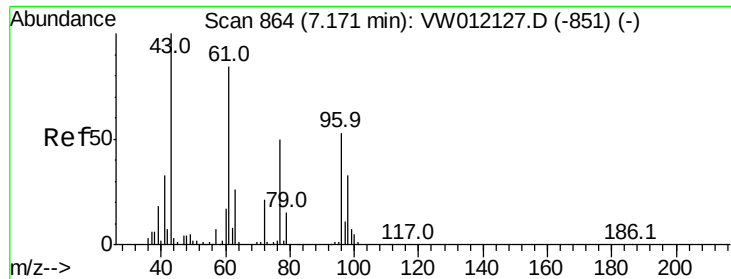
Tgt Ion: 77 Resp: 60512

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.1





#27

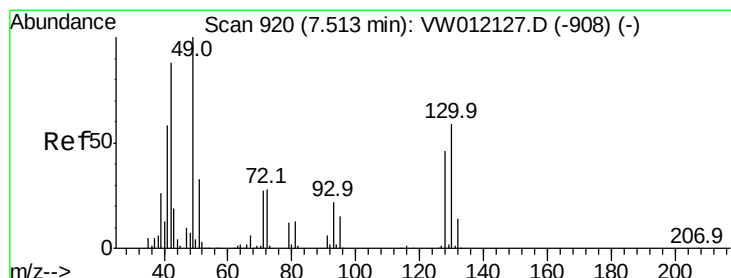
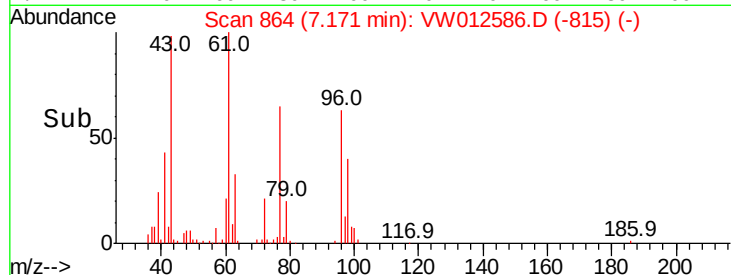
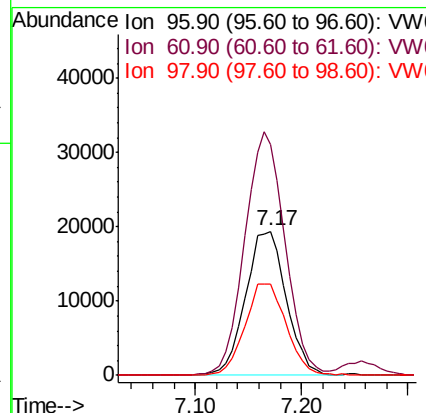
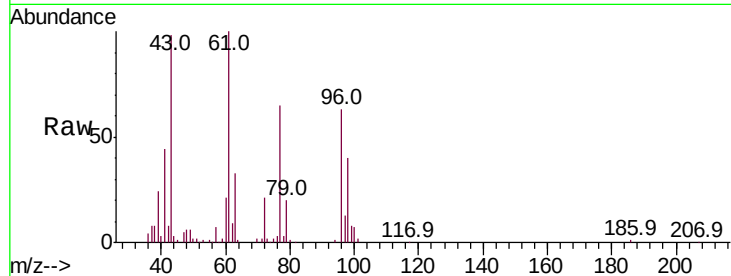
cis-1,2-Dichloroethene
Concen: 19.979 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.7	0.0	326.6
98	64.7	0.0	127.4

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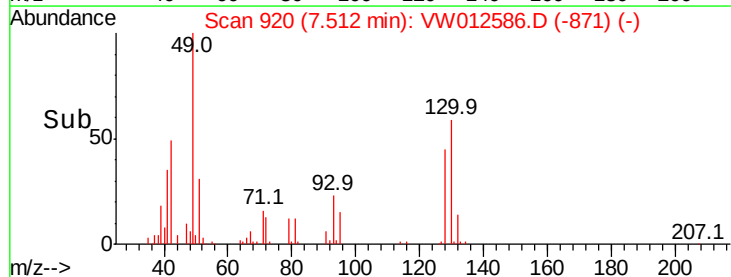
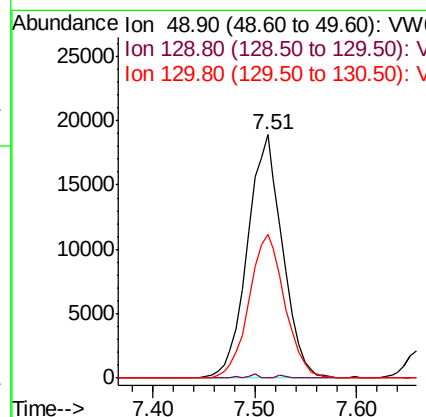
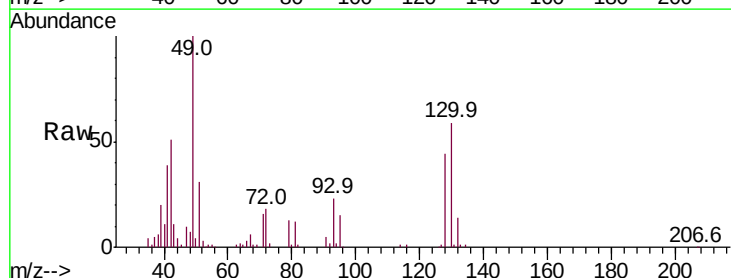
MMDadoda
9/7/2019 12:46:44 AM

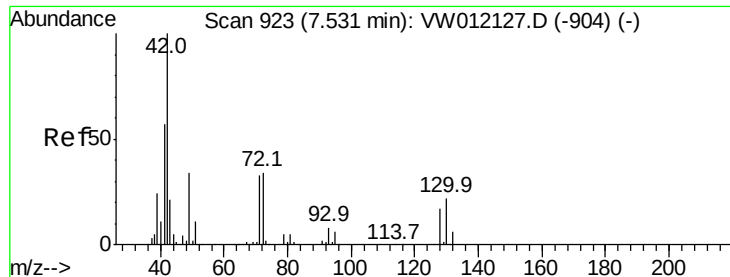


#28

Bromochloromethane
Concen: 21.092 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.4
130	60.3	45.5	68.3





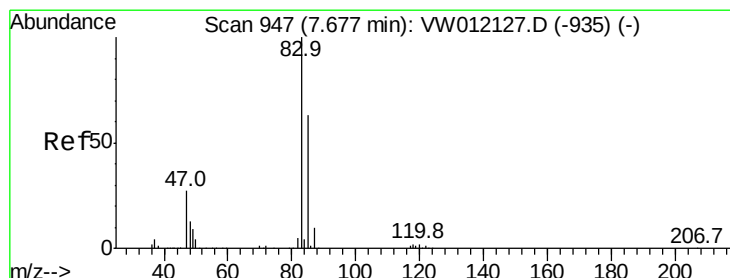
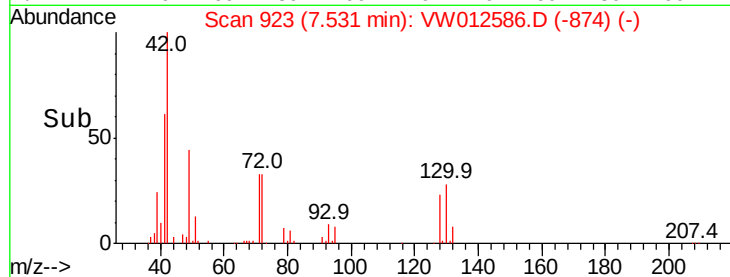
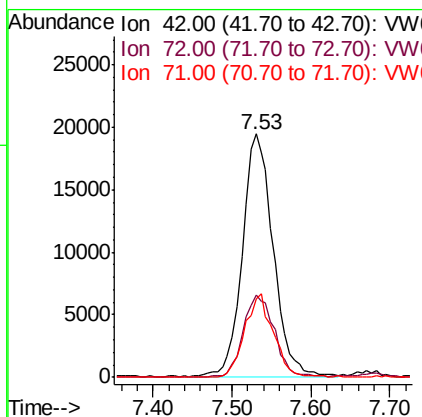
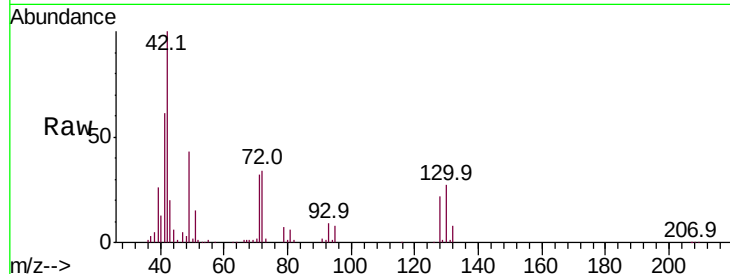
#29
Tetrahydrofuran
Concen: 94.599 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.3	40.9
71	32.0	25.5	38.3

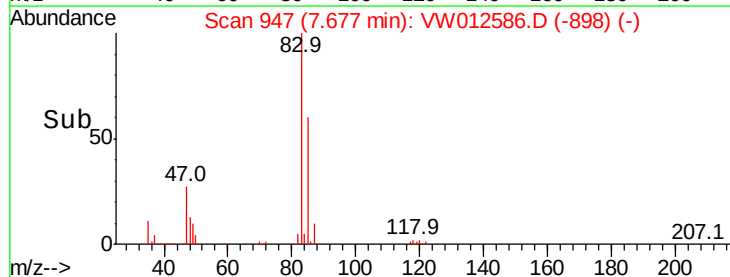
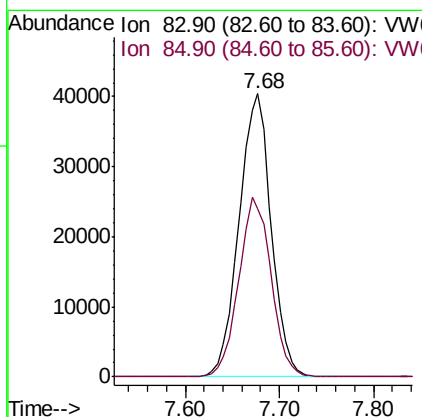
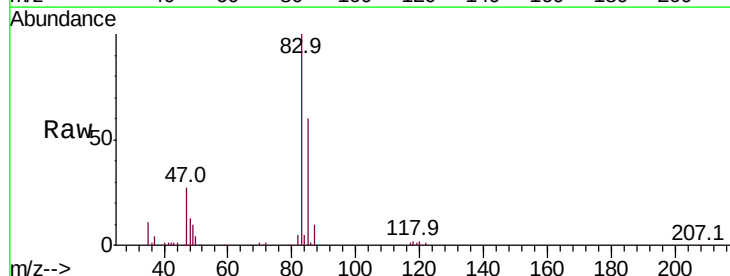
Manual Integrations
APPROVED

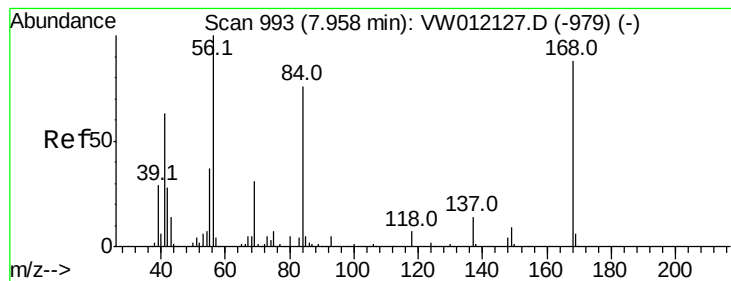
MMDadoda
9/7/2019 12:46:44 AM



#30
Chloroform
Concen: 21.470 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.6	76.0





#31

Cyclohexane

Concen: 17.791 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

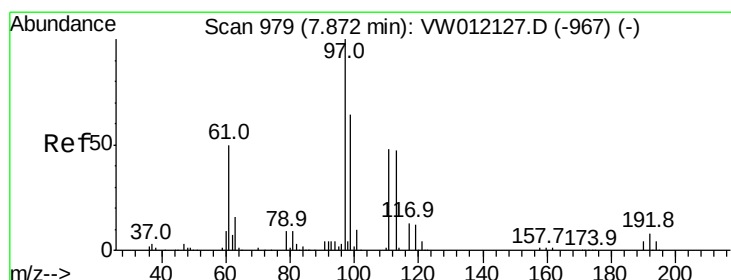
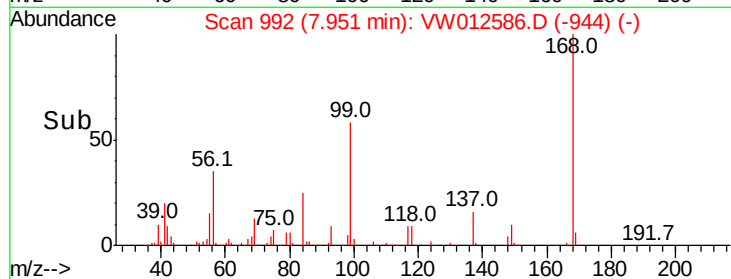
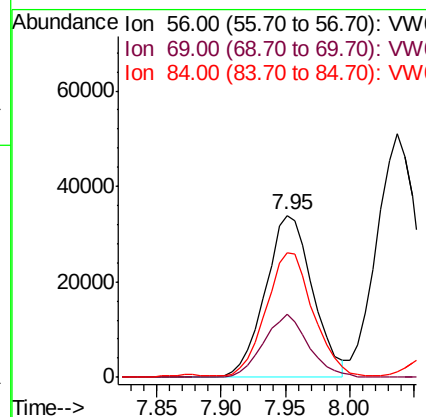
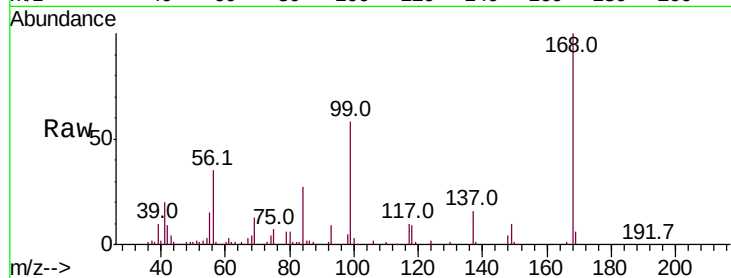
ClientSampled :

VW0904SBSD01

Tot Ion:	56	Resp:	86430
Ion Ratio	Lower	Upper	
56	100		
69	38.6	24.9	37.3#
84	75.3	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 21.989 ug/l

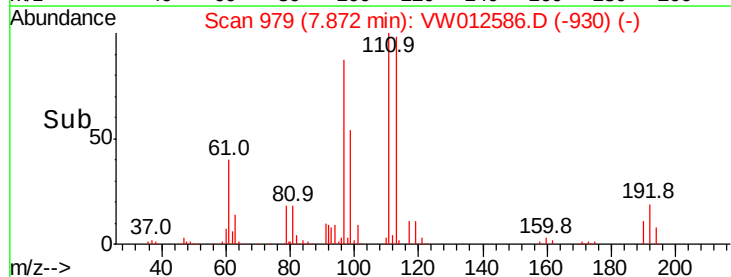
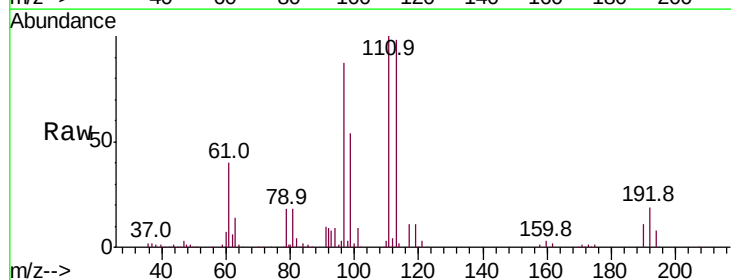
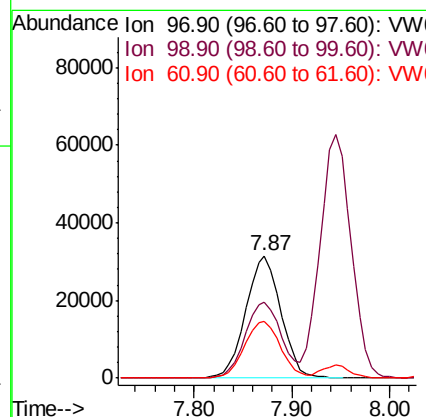
RT: 7.87 min Scan# 979

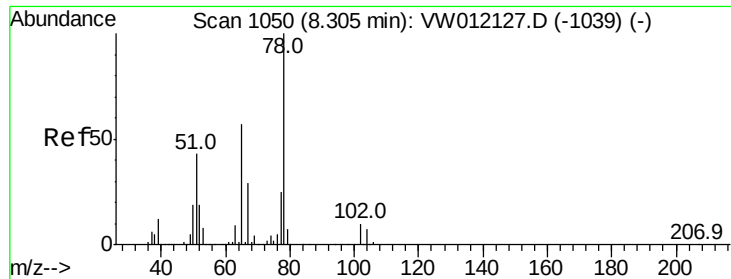
Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	97	Resp:	78147
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.4	77.0
61	48.3	39.5	59.3





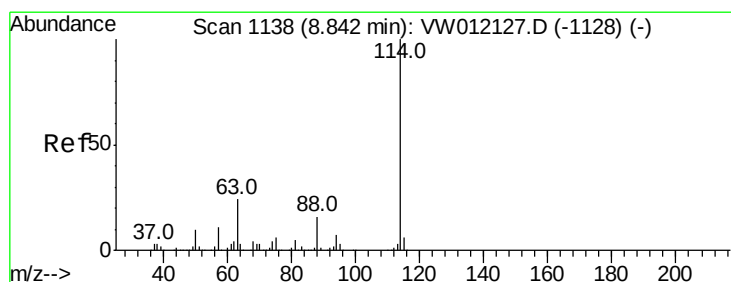
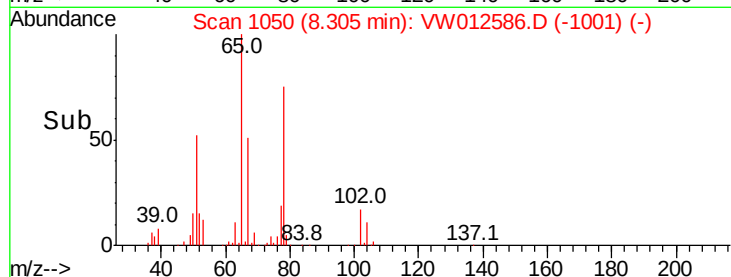
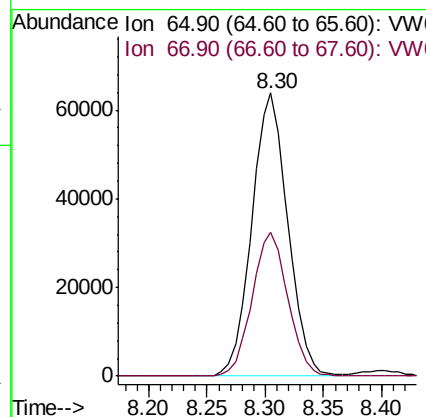
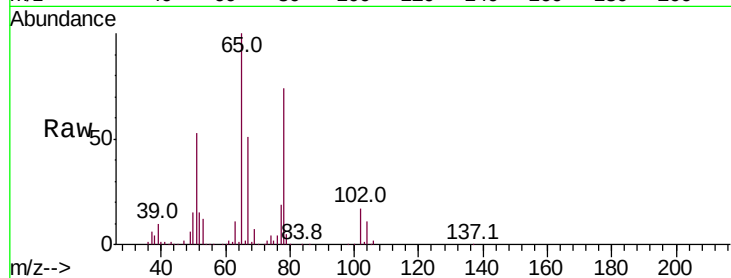
#33
 1,2-Dichloroethane-d4
 Concen: 51.007 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_W
 ClientSampled :
 VW0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6	0.0	102.6	

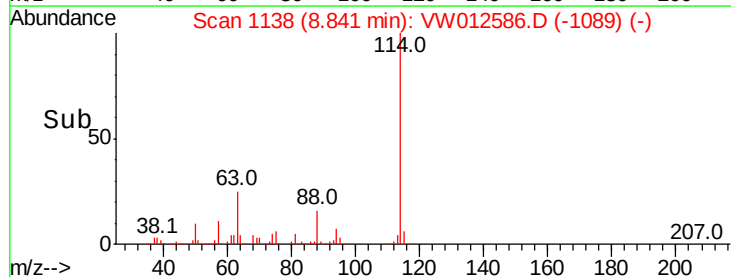
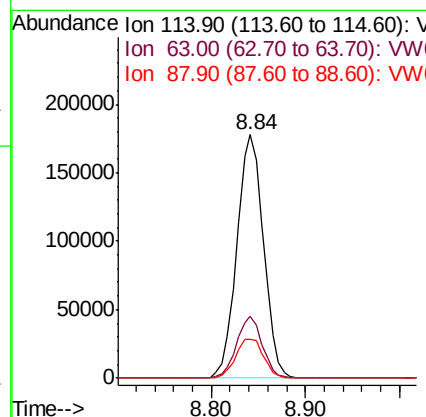
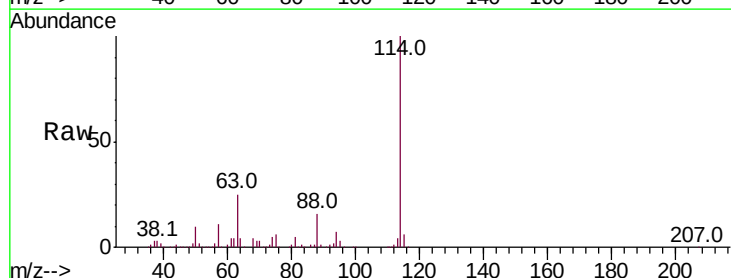
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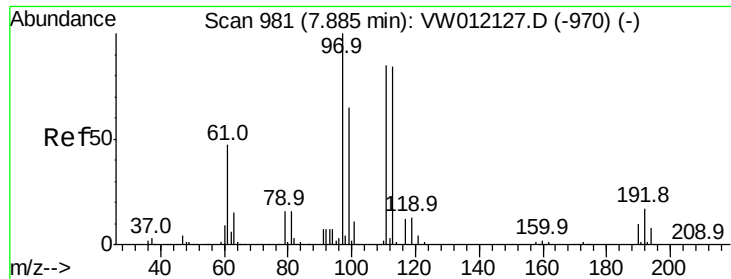
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 9/7/2019 12:46:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.2	0.0	48.6	
88	16.0	0.0	32.2	





#35

Dibromofluoromethane

Concen: 51.879 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

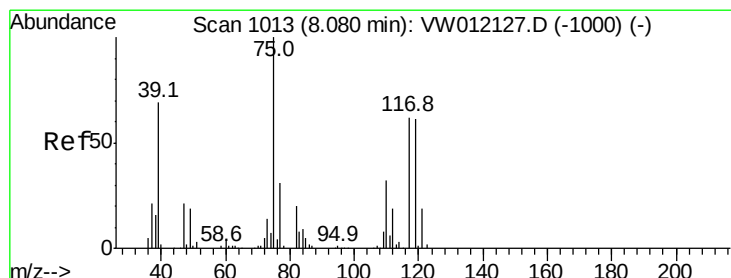
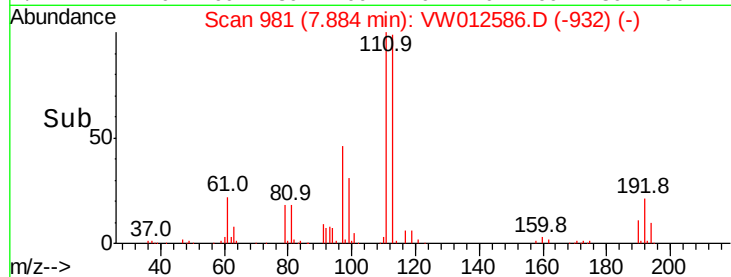
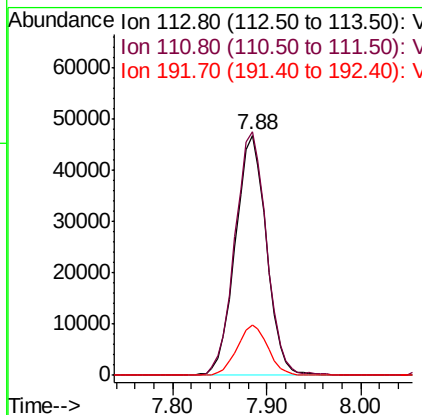
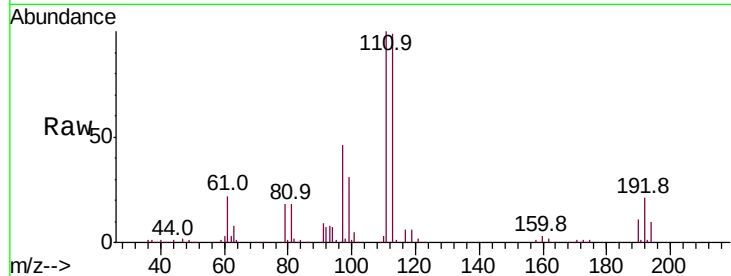
ClientSampleId :

VW0904SBSD01

Tot Ion:	113	Resp:	107783
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.7	124.1
192	20.8	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.792 ug/l

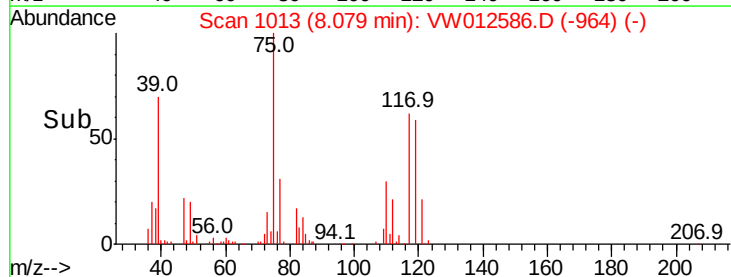
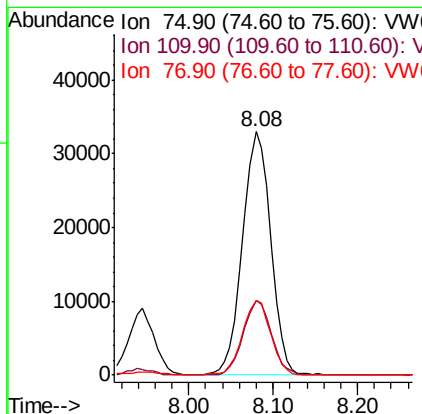
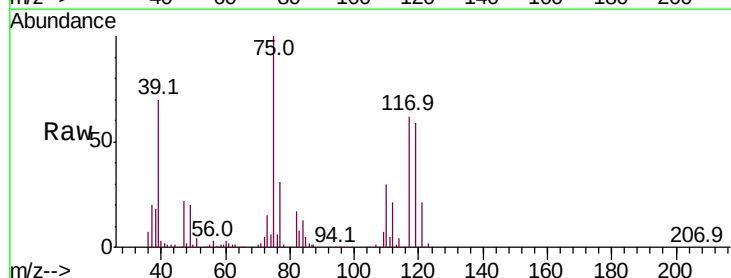
RT: 8.08 min Scan# 1013

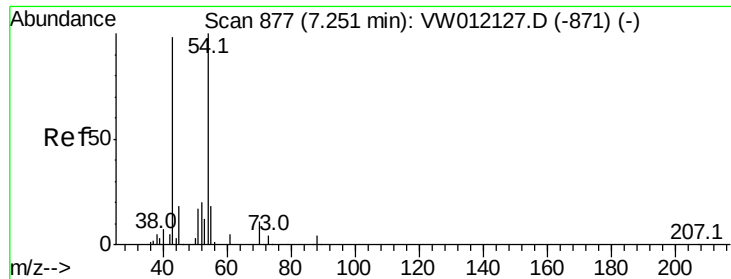
Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	75	Resp:	74784
Ion Ratio	Lower	Upper	
75	100		
110	30.3	15.6	46.8
77	30.9	24.6	36.8





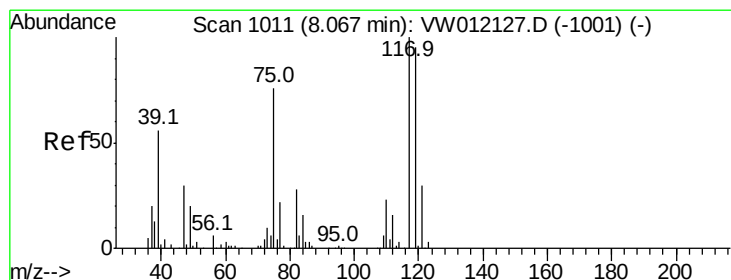
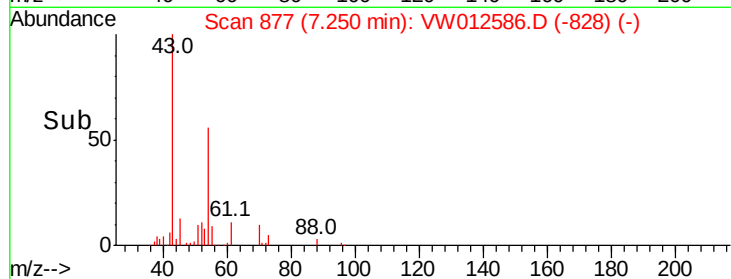
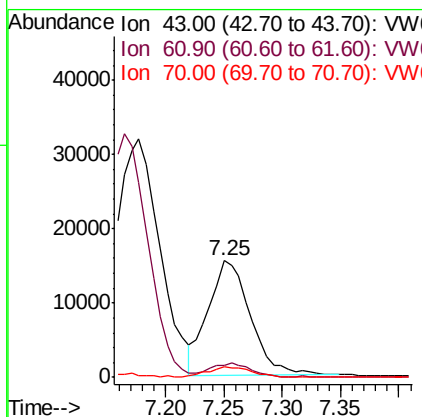
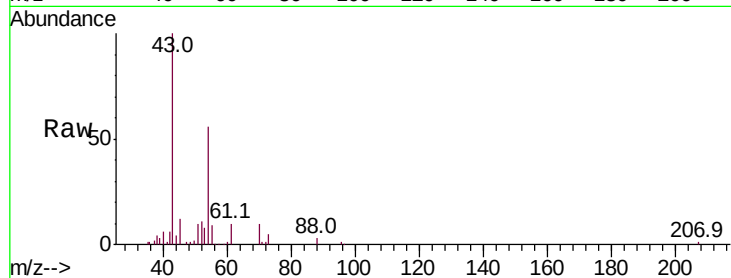
#37
Ethyl Acetate
Concen: 19.936 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampled :
VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.2	13.8
70	9.6	6.9	10.3

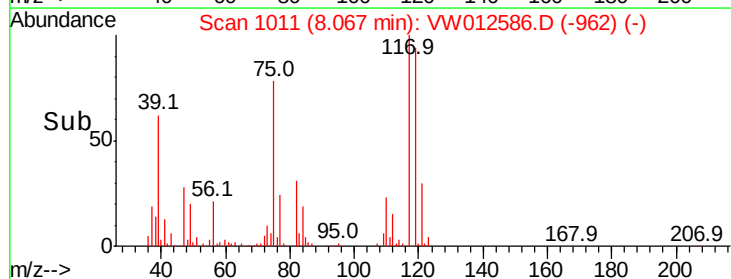
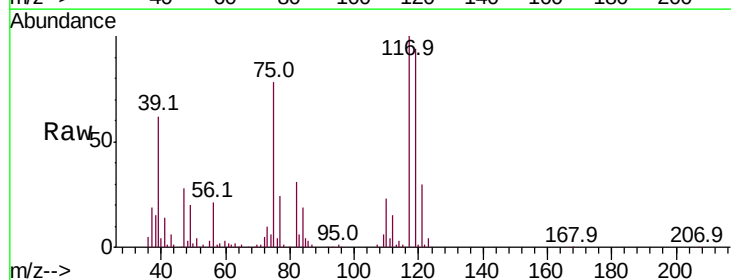
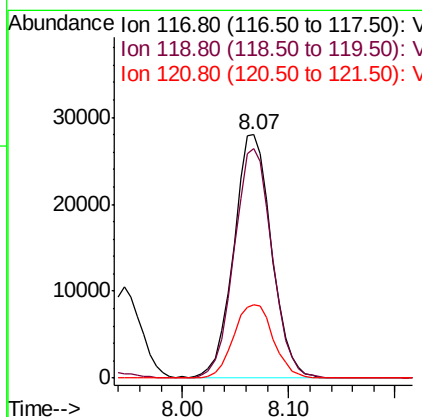
Manual Integrations
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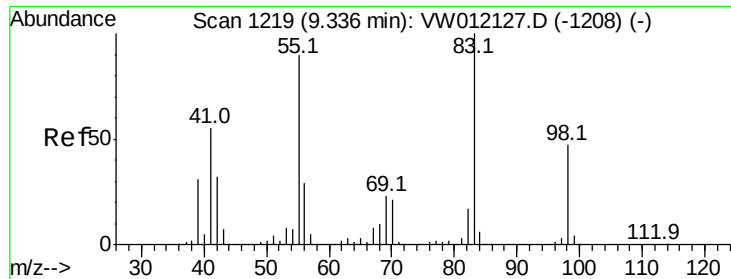
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.459 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.2	114.2
121	30.2	23.8	35.8





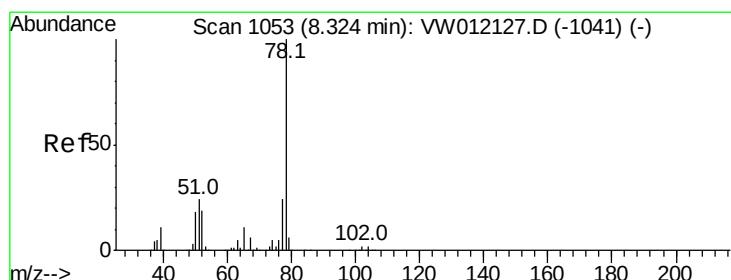
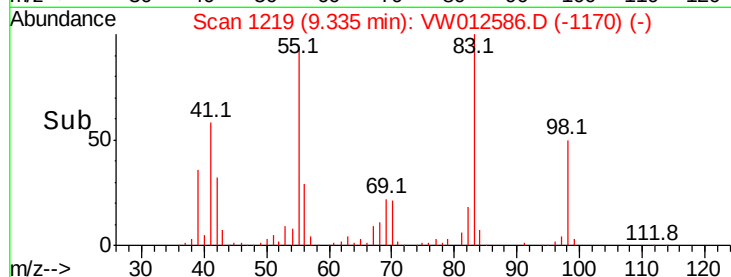
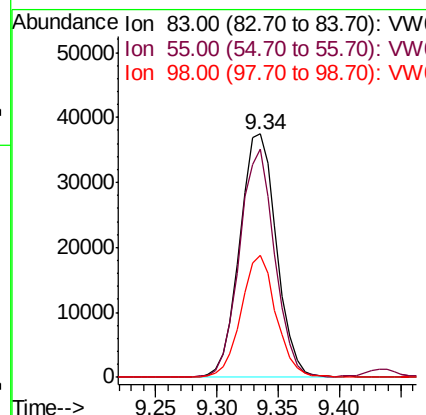
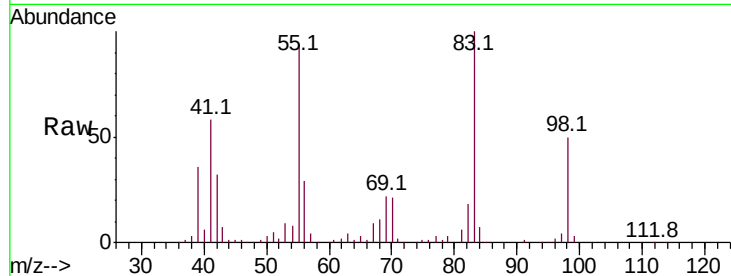
#39
Methylvlcyclohexane
Concen: 19.352 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion	83	Resp	78195
Ion Ratio	100	Lower	Upper
83	100		
55	93.5	71.8	107.8
98	50.1	37.8	56.8

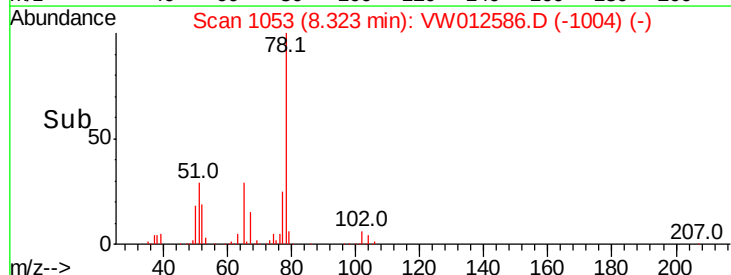
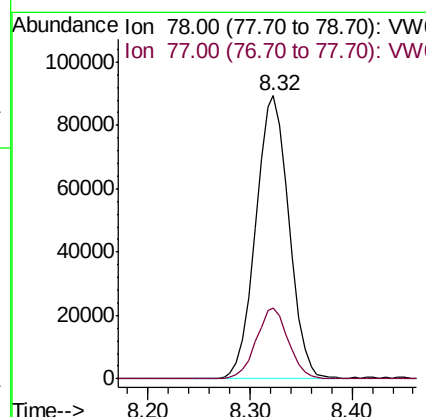
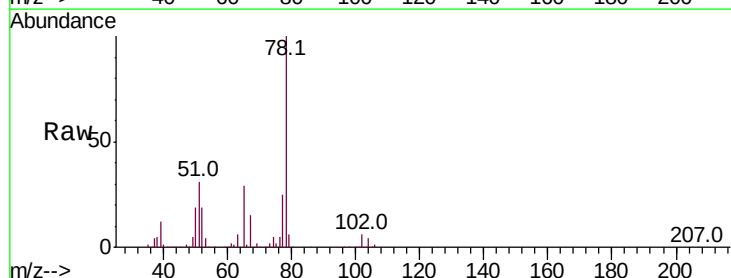
Manual Integrations
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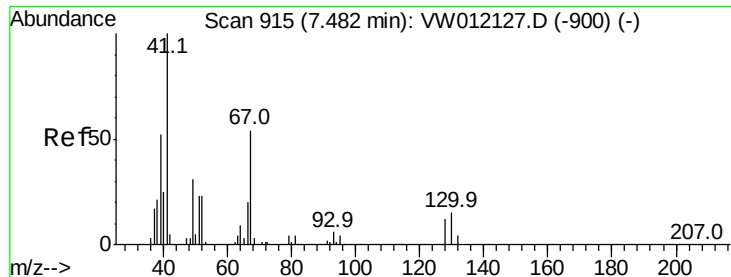
MMDadoda
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#40
Benzene
Concen: 20.569 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	78	Resp	202011
Ion Ratio	100	Lower	Upper
78	100		
77	25.2	19.5	29.3





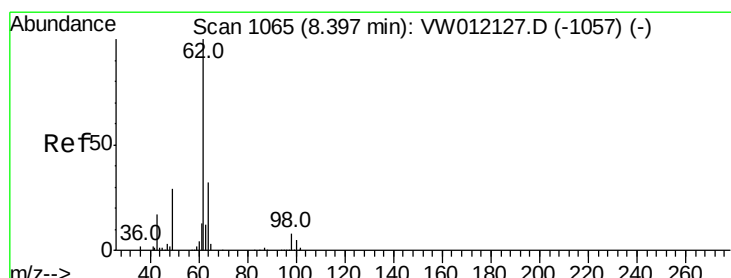
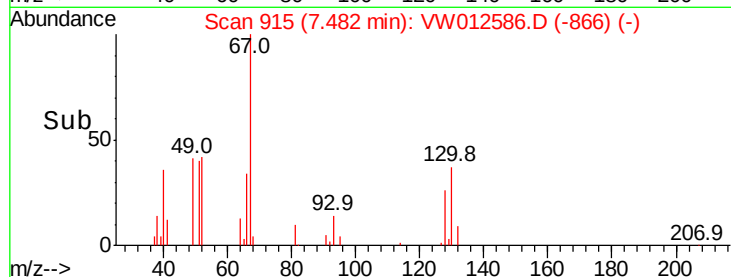
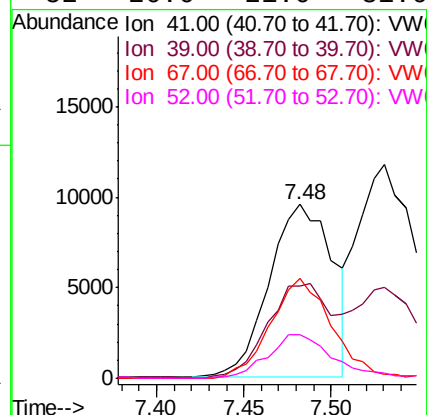
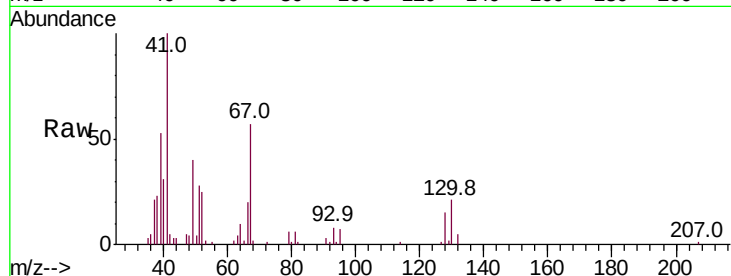
#41
Methacrylonitrile
Concen: 20.962 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampled :
VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.8	68.8
67	56.1	46.2	69.4
52	26.6	21.0	31.6

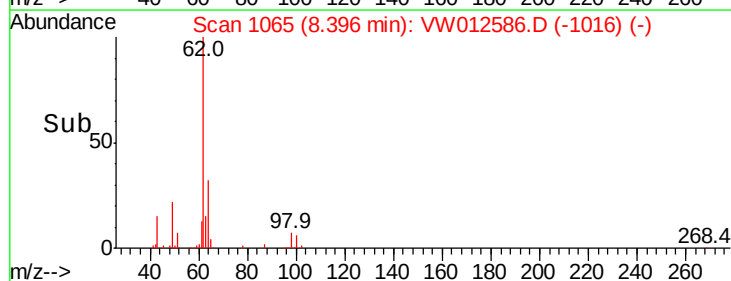
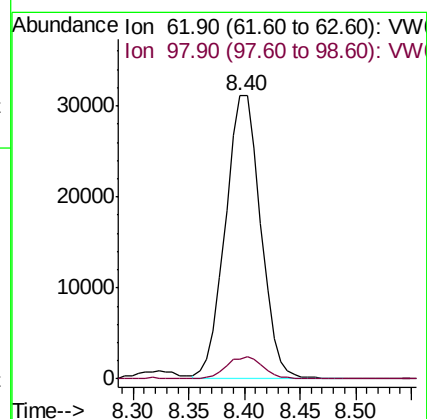
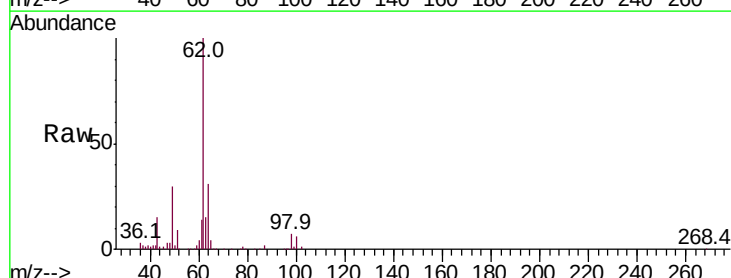
Manual Integrations
APPROVED

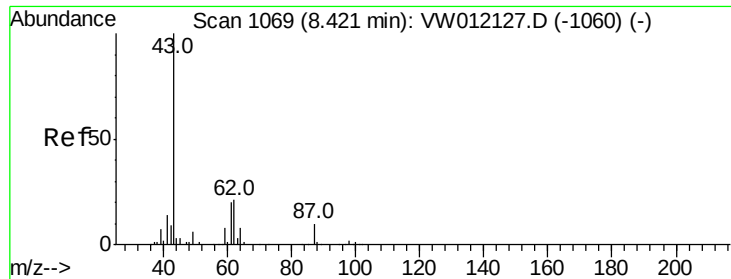
MMDadoda
9/7/2019 12:46:44 AM



#42
1,2-Dichloroethane
Concen: 22.291 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.348 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

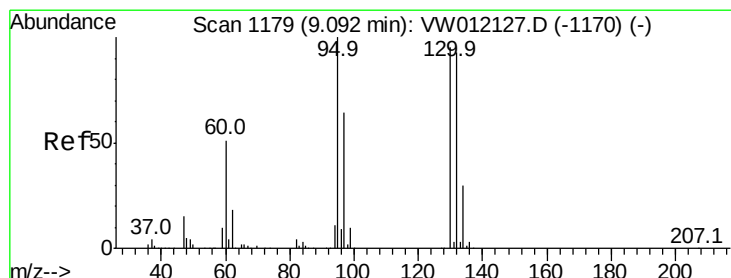
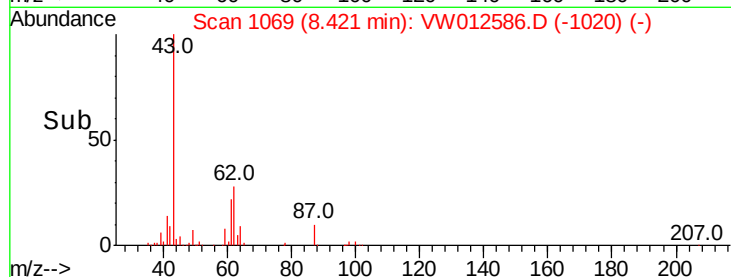
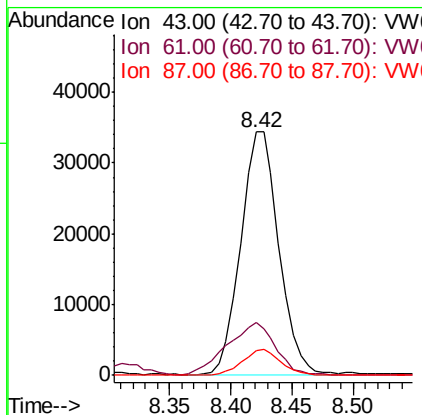
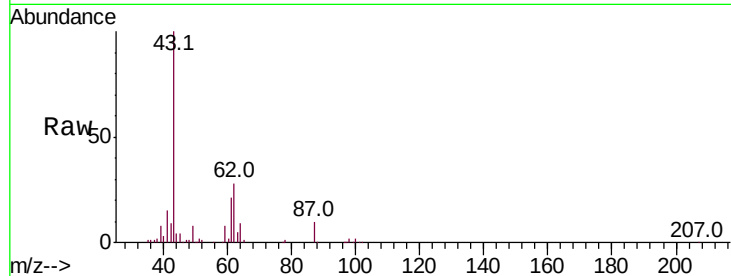
ClientSampleId :

VW0904SBSD01

Tot Ion:	43	Resp:	74287
Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.1	31.7
87	10.7	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 21.166 ug/l

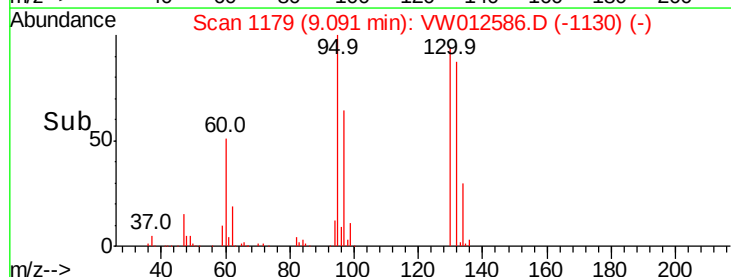
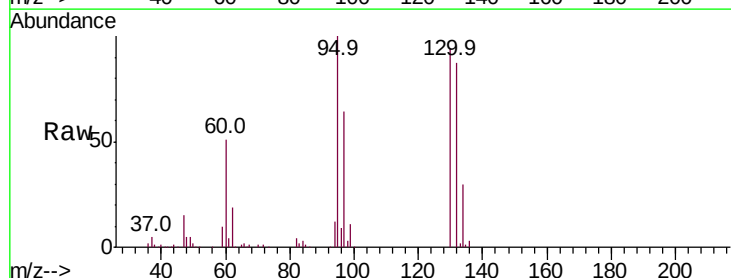
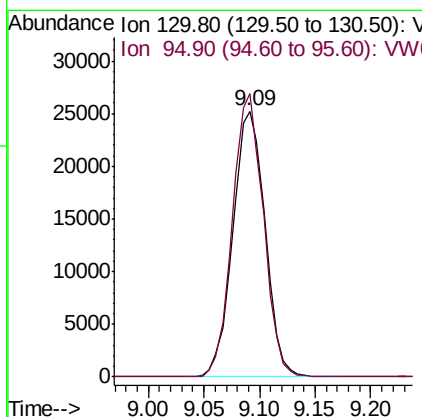
RT: 9.09 min Scan# 1179

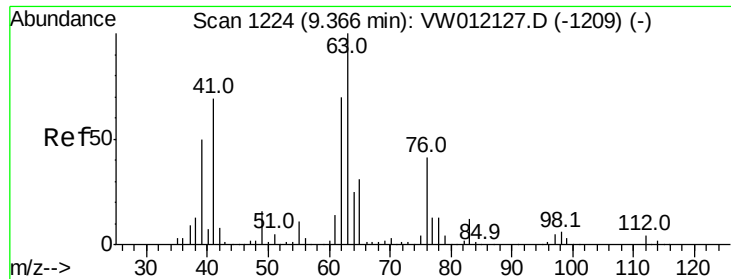
Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	130	Resp:	50535
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	210.6





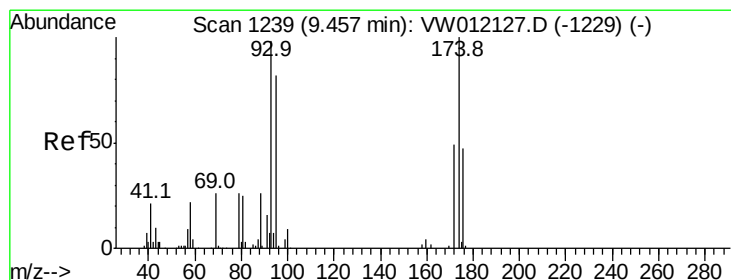
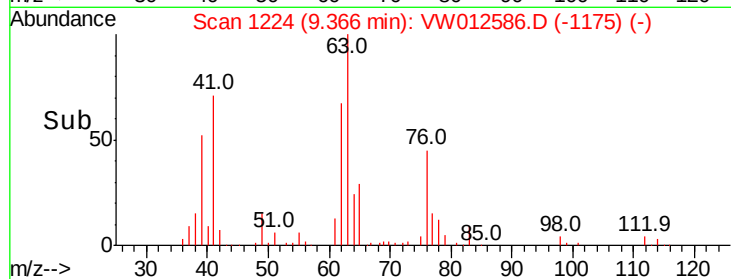
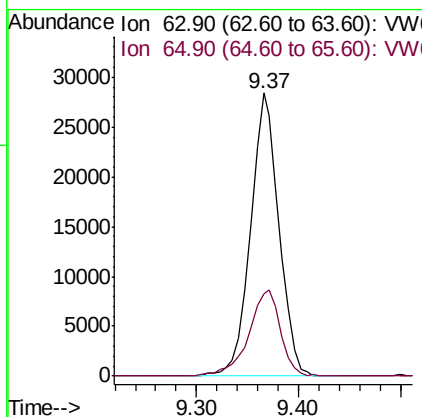
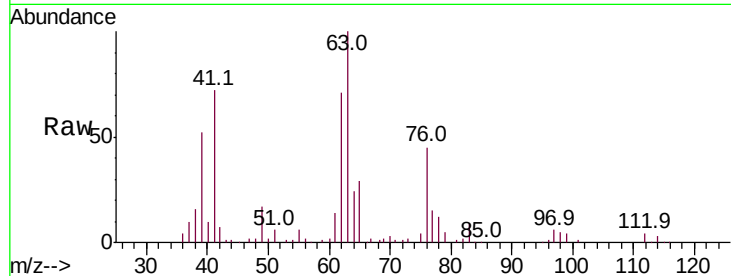
#45
 1,2-Dichloropropane
 Concen: 20.810 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBS01

Tot Ion: 63 Resp: 55005
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.0 37.4

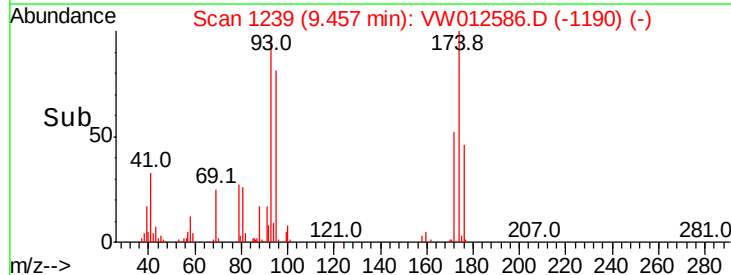
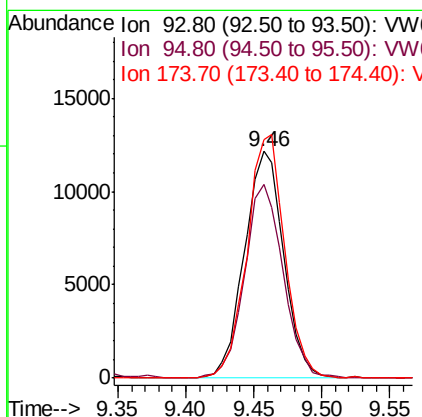
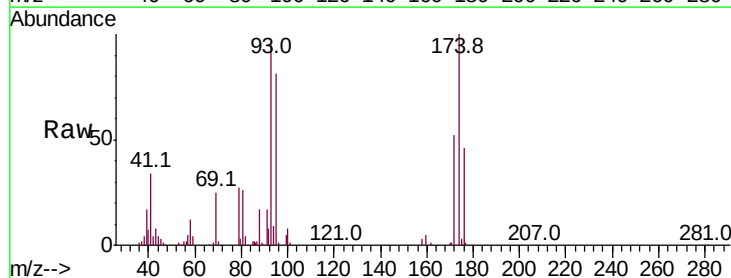
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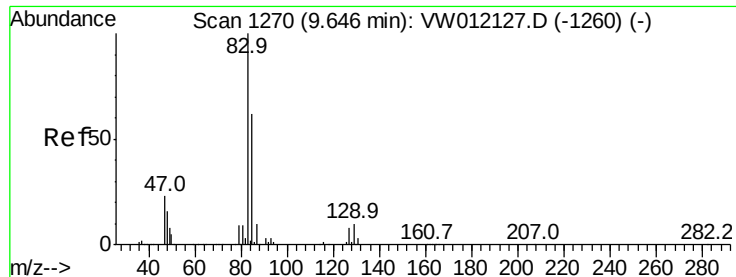
MMDadoda
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#46
 Dibromomethane
 Concen: 20.917 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 93 Resp: 24599
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.2 100.8
 174 103.4 79.0 118.6





#47

Bromodichloromethane

Concen: 21.968 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

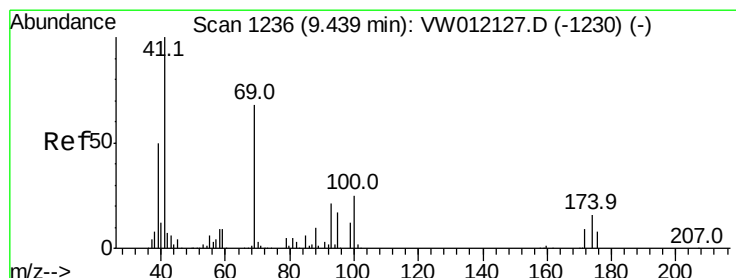
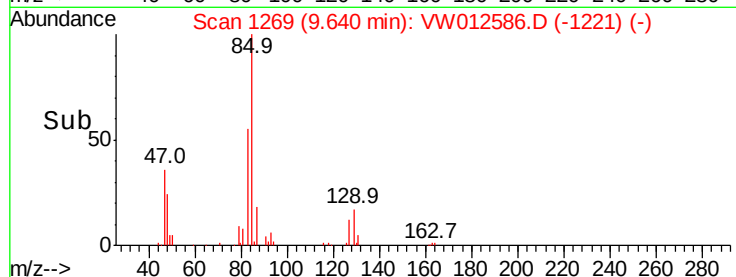
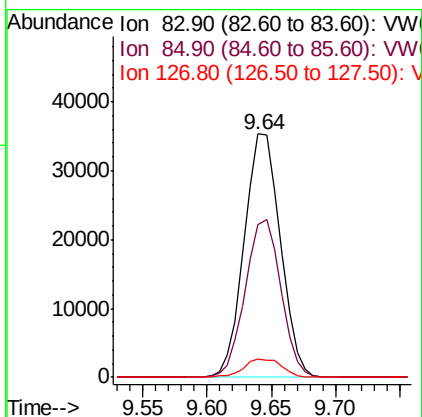
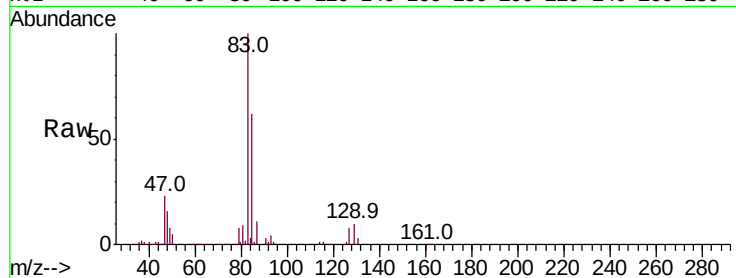
ClientSampleId :

VW0904SBSD01

Tot Ion:	83	Resp:	68760
Ion Ratio	Lower	Upper	
83	100		
85	62.5	49.4	74.2
127	7.7	6.1	9.1

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#48

Methyl methacrylate

Concen: 20.005 ug/l

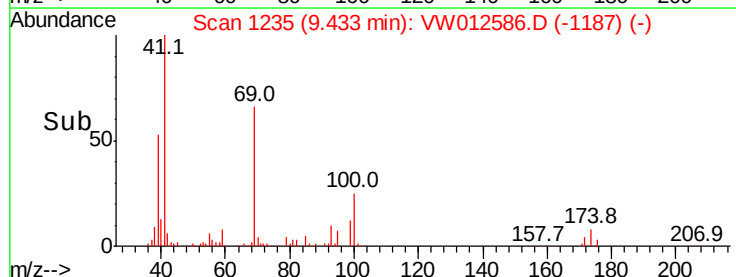
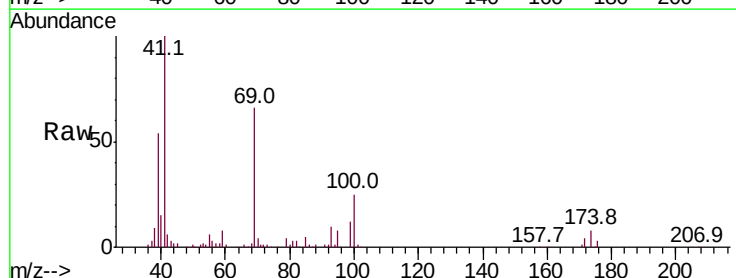
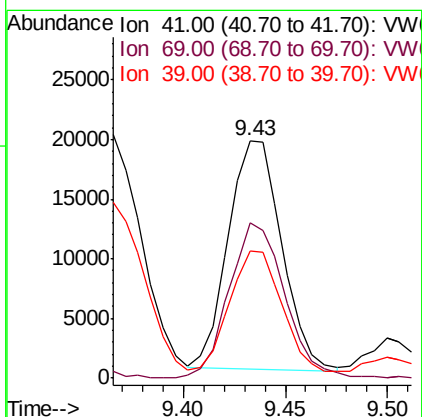
RT: 9.43 min Scan# 1235

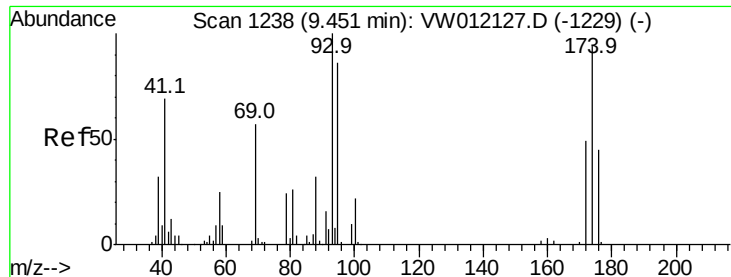
Delta R.T. -0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	41	Resp:	34762
Ion Ratio	Lower	Upper	
41	100		
69	71.6	56.7	85.1
39	58.1	42.0	63.0





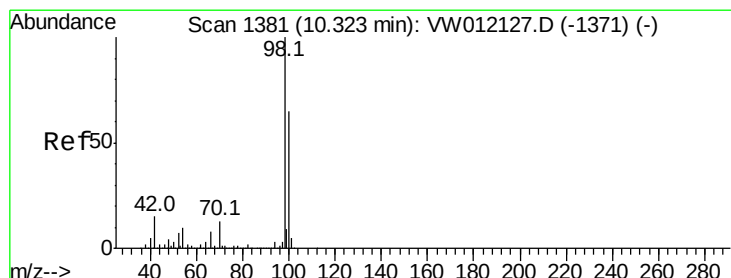
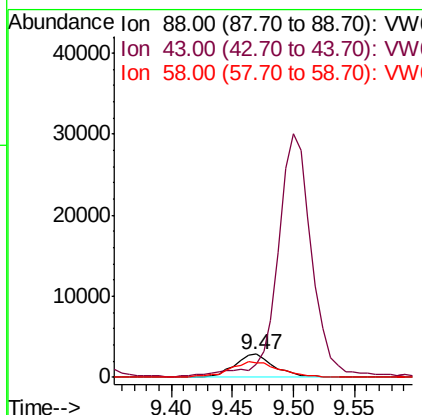
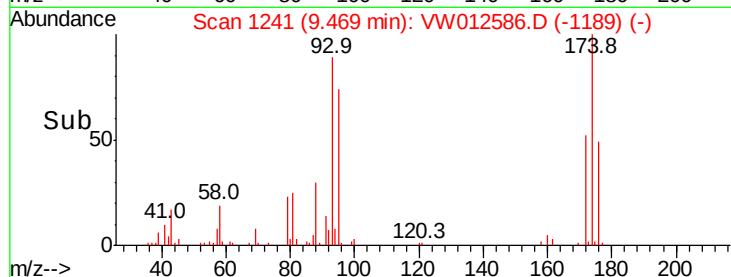
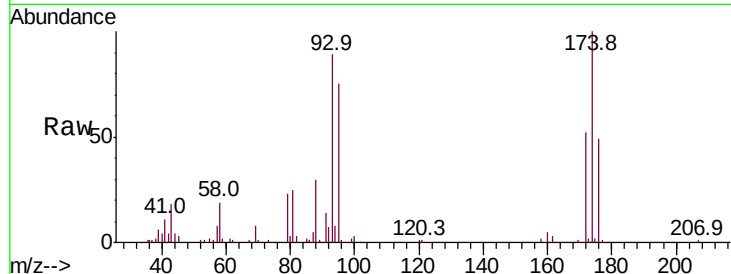
#49
1,4-Dioxane
Concen: 360.144 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion	88	Resp	6484
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	86.1	71.0	106.4

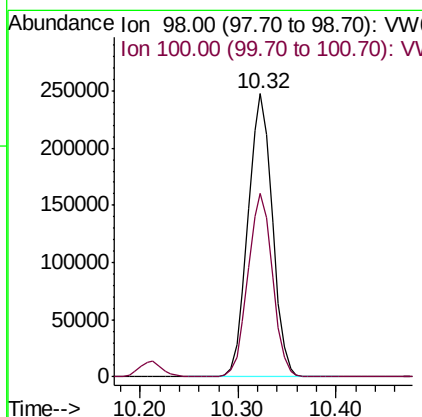
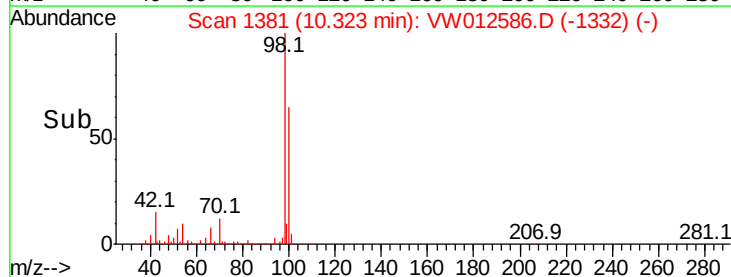
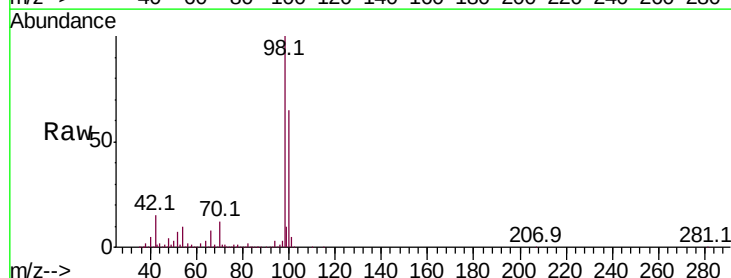
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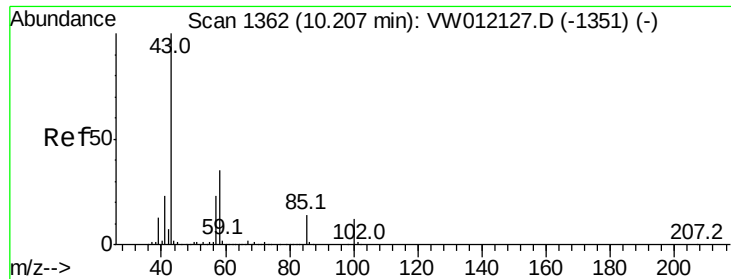
MMDadoda
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#50
Toluene-d8
Concen: 50.849 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	98	Resp	428352
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 100.333 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion: 43 Resp: 186315

Ion Ratio Lower Upper

43 100

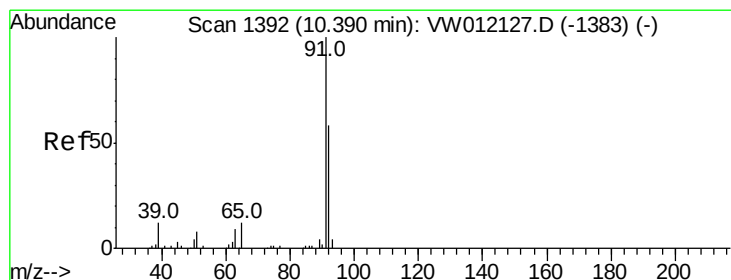
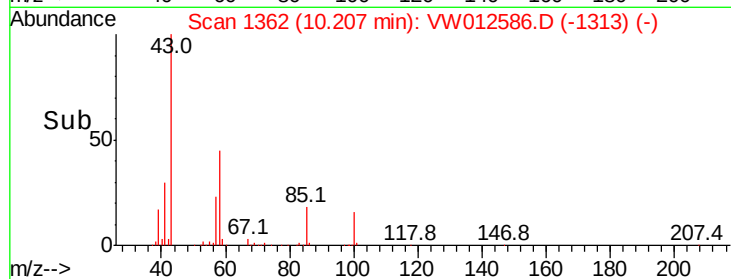
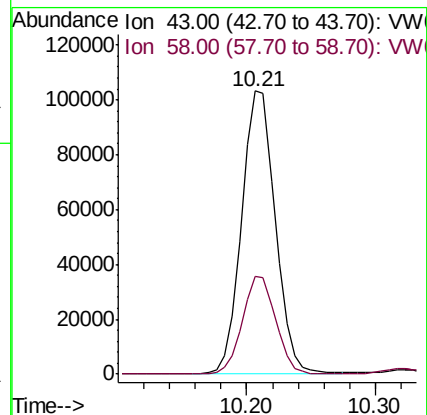
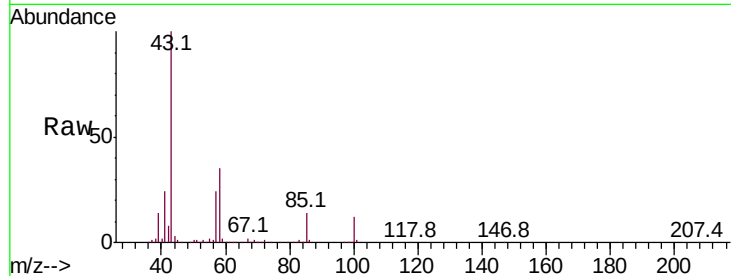
58 34.4 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 21.174 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012586.D

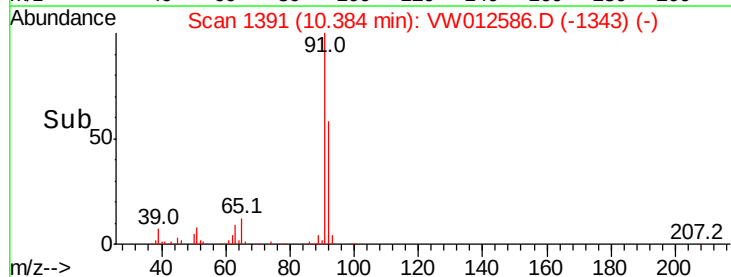
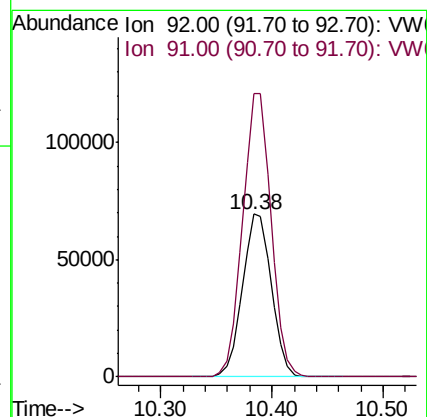
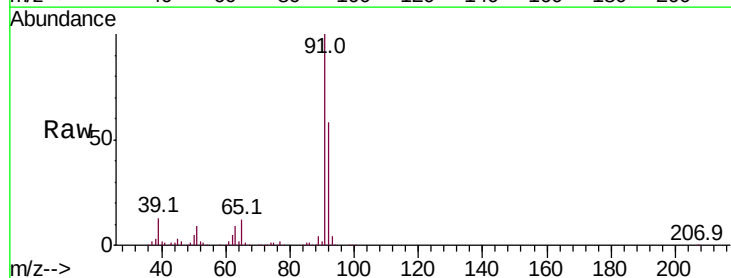
Acq: 04 Sep 2019 11:05

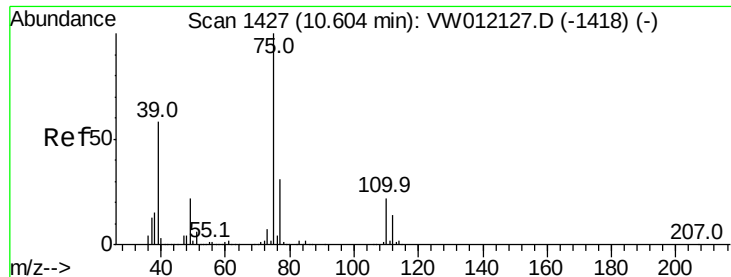
Tgt Ion: 92 Resp: 124928

Ion Ratio Lower Upper

92 100

91 171.6 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 21.222 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion: 75 Resp: 67660

Ion Ratio Lower Upper

75 100

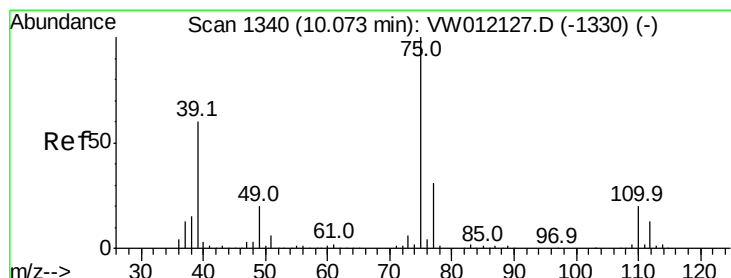
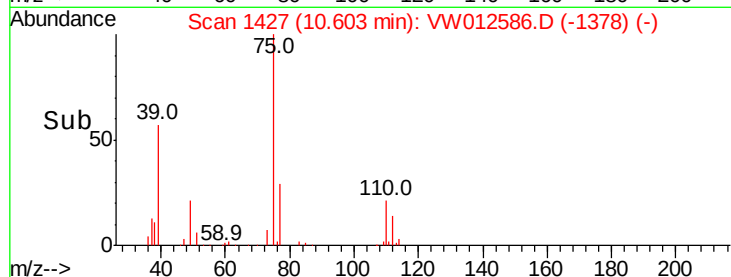
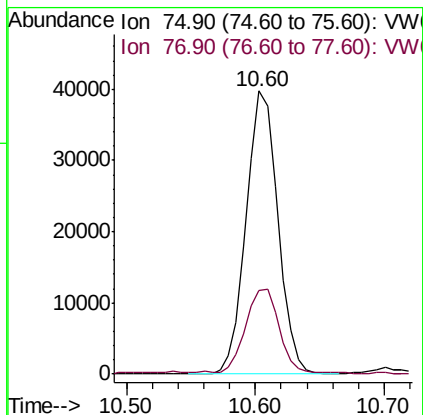
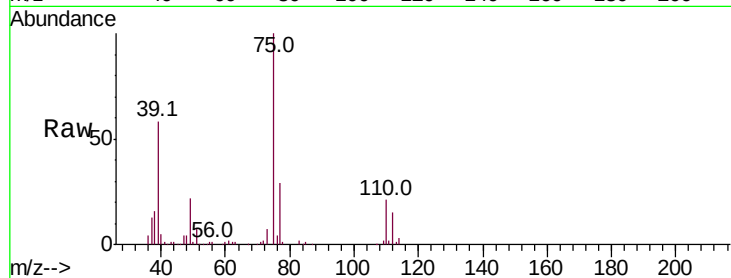
77 28.9 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.733 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

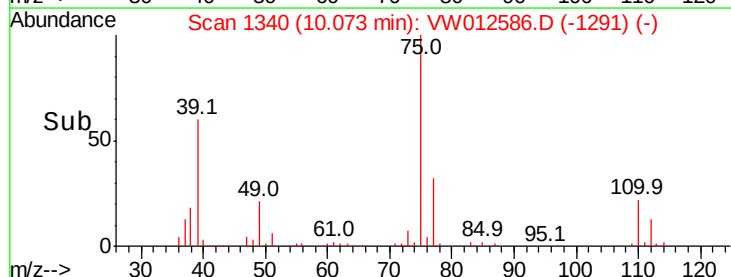
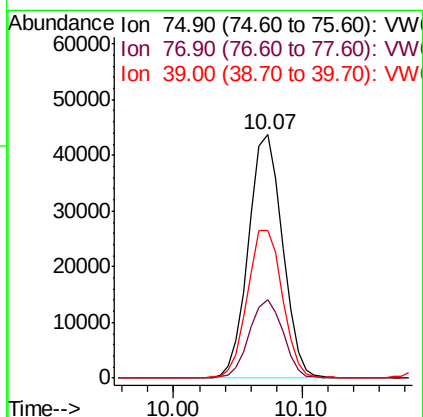
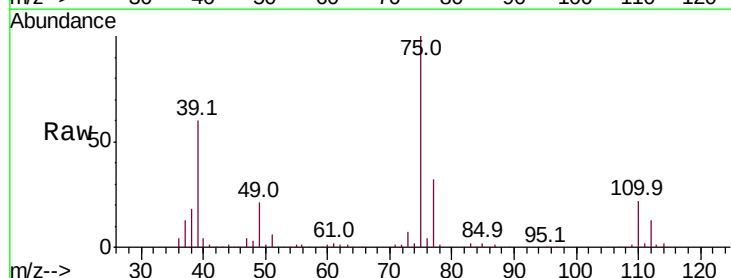
Tgt Ion: 75 Resp: 79814

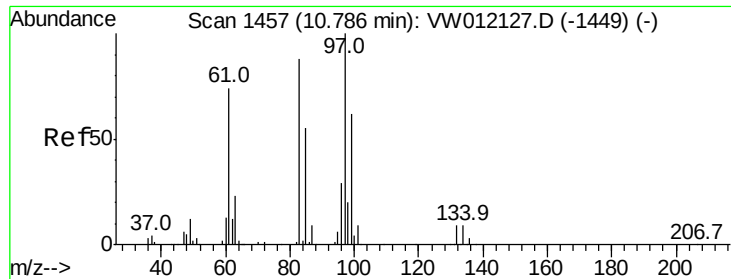
Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

39 60.3 48.3 72.5





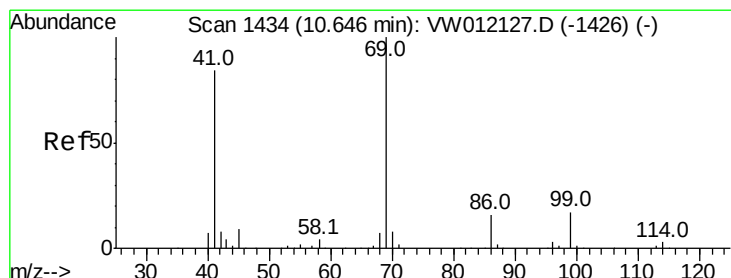
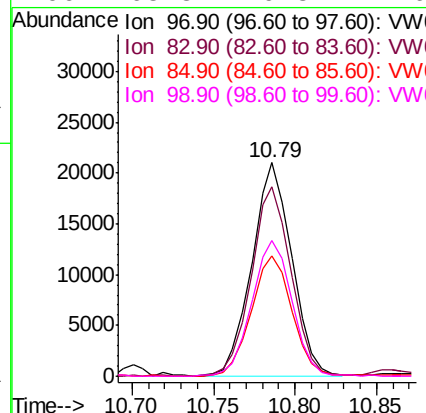
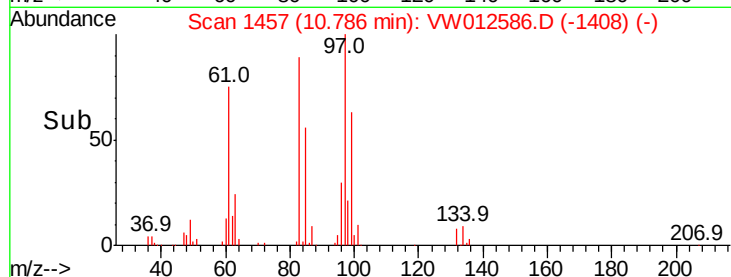
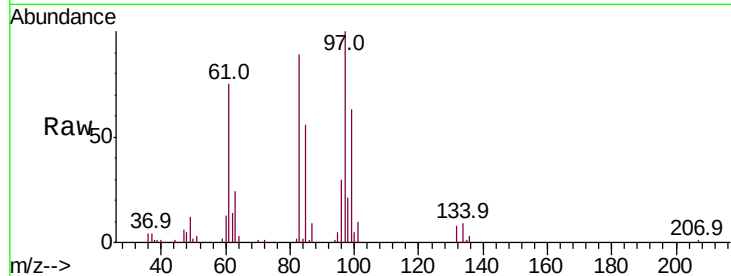
#55
 1,1,2-Trichloroethane
 Concen: 21.582 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.8	106.2
85	56.1	43.8	65.8
99	63.3	49.8	74.6

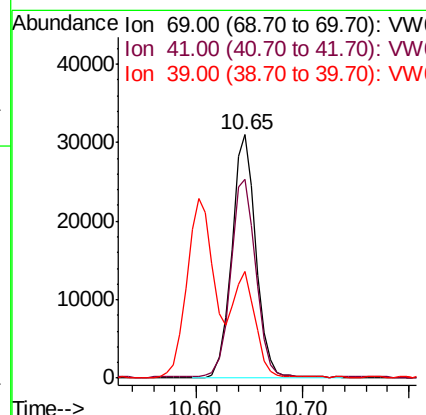
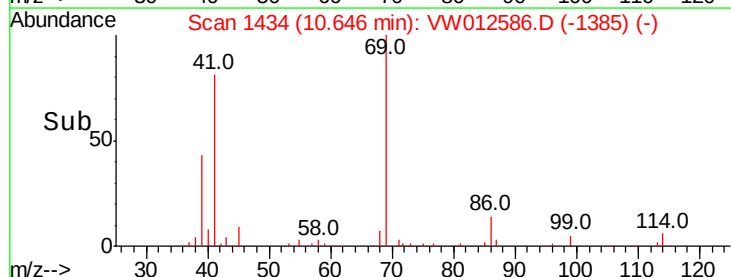
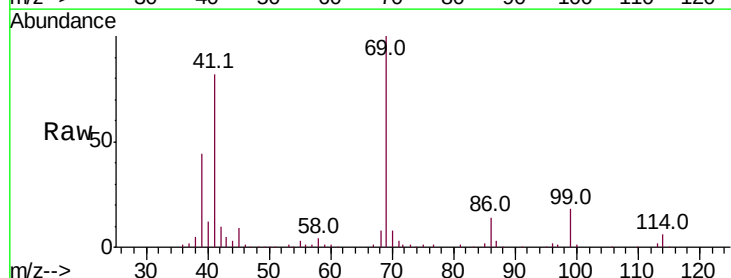
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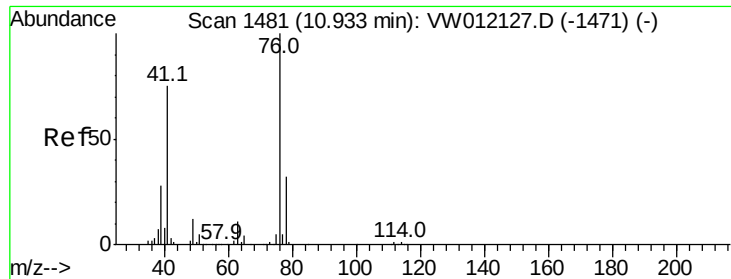
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#56
 Ethyl methacrylate
 Concen: 20.408 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	82.7	66.5	99.7
39	39.5	31.0	46.4





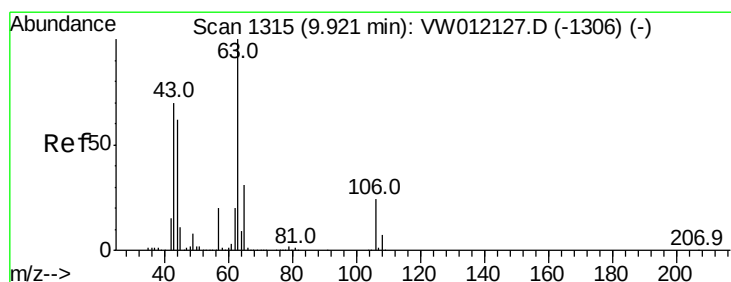
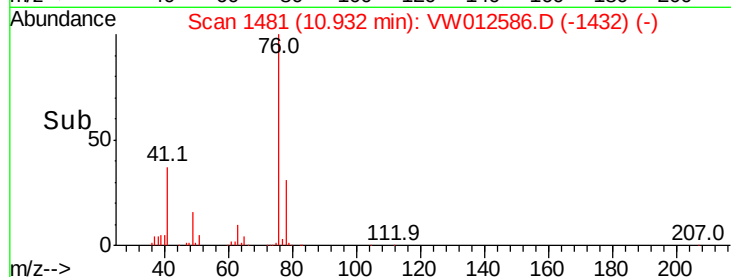
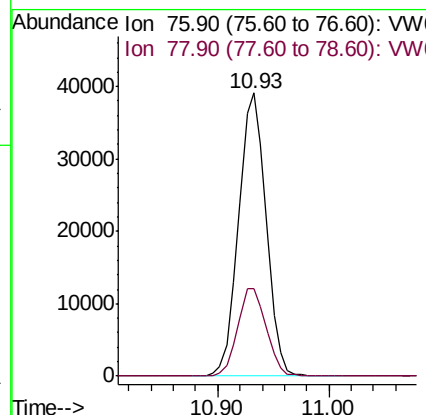
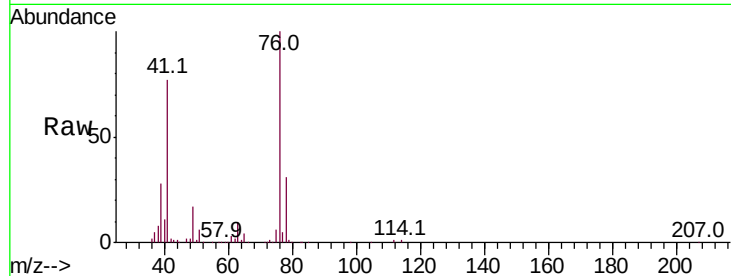
#57
 1,3-Dichloropropane
 Concen: 21.270 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD01

Tot Ion: 76 Resp: 66883
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

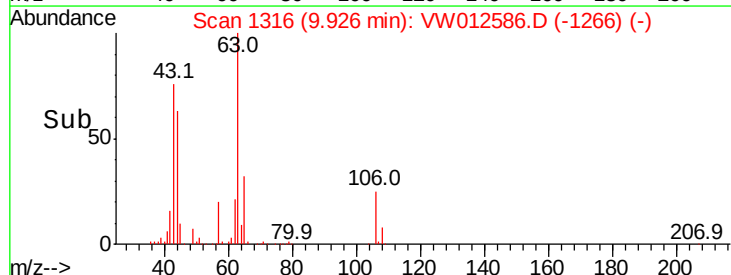
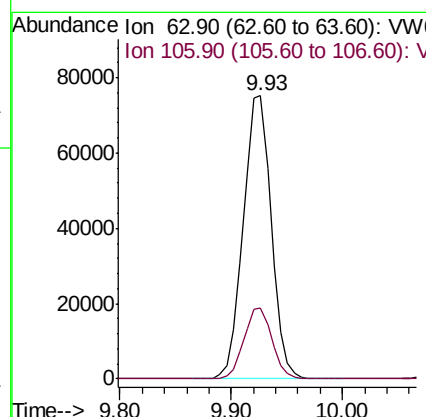
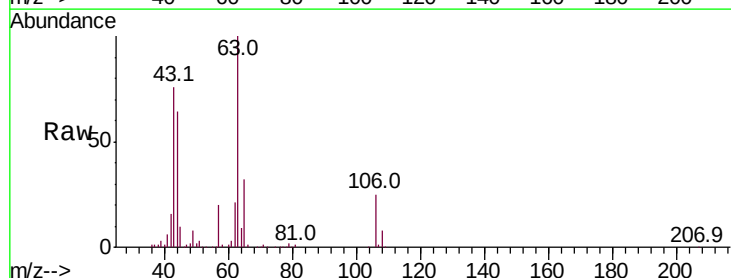
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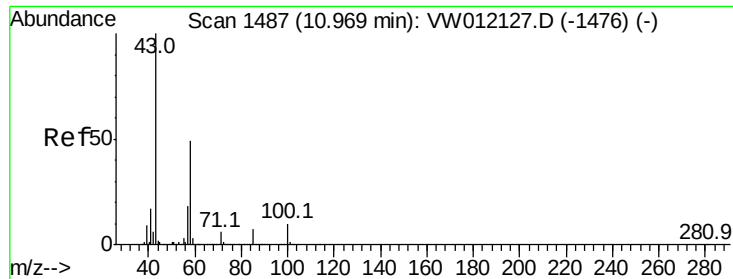
MMDadoda
 9/7/2019 12:46:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.615 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Tgt Ion: 63 Resp: 131268
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





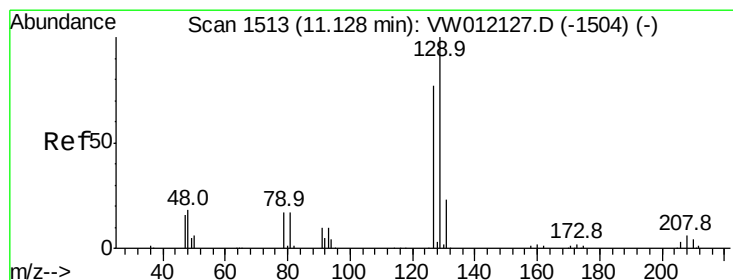
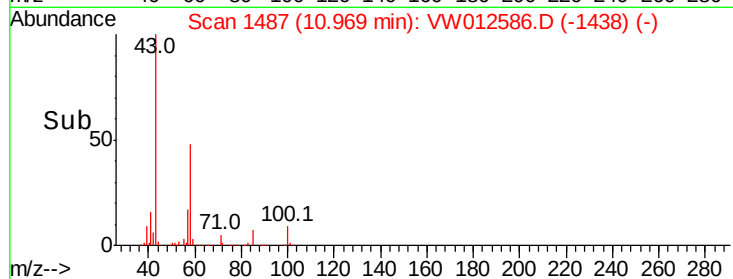
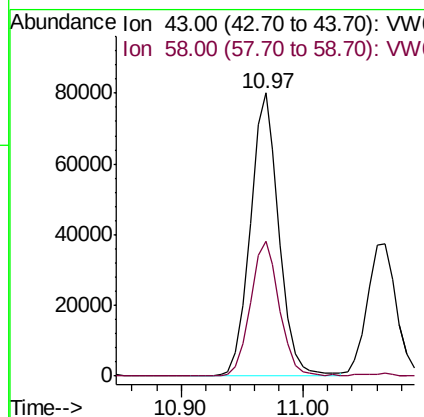
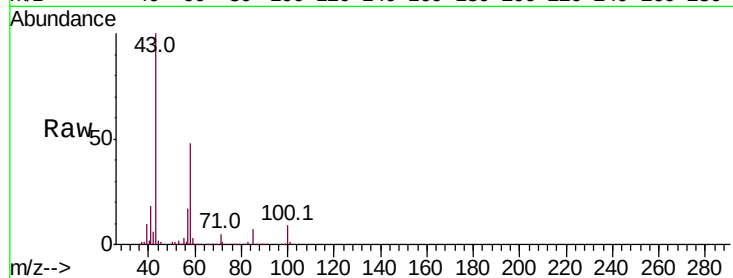
#59
2-Hexanone
Concen: 98.364 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	24.3	72.9

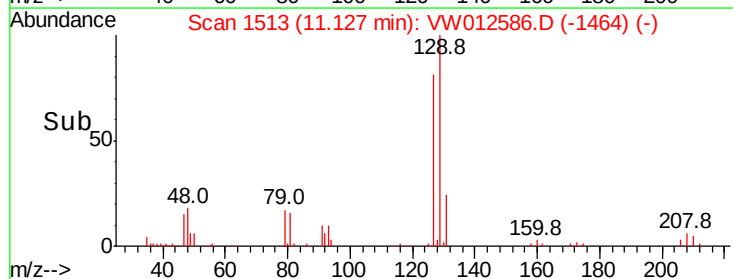
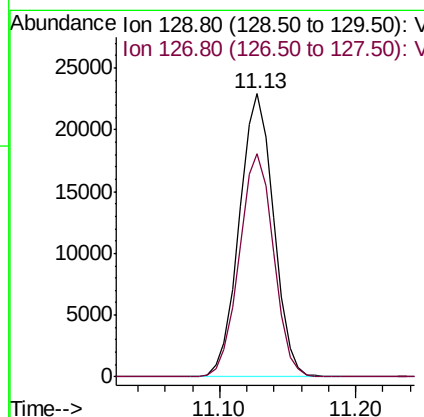
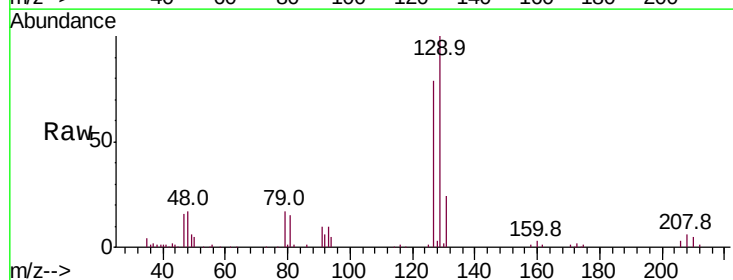
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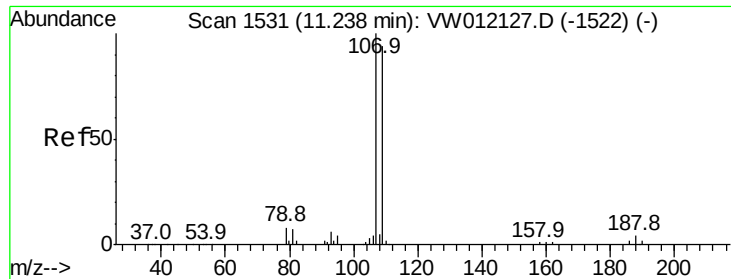
MMDadoda
9/7/2019 12:46:44 AM



#60
Dibromochloromethane
Concen: 21.731 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.6	115.8





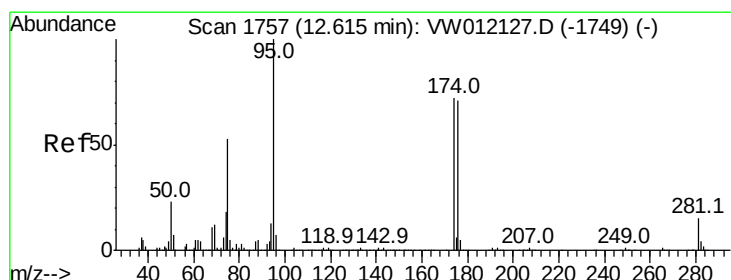
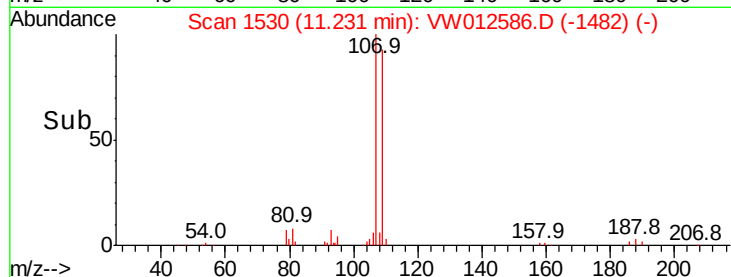
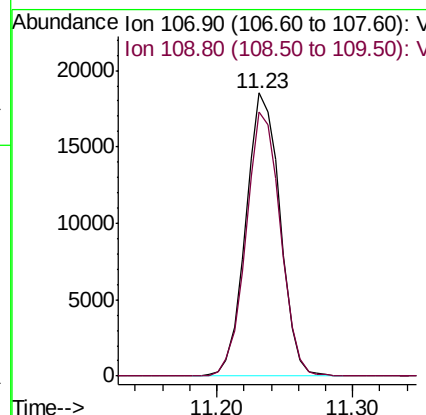
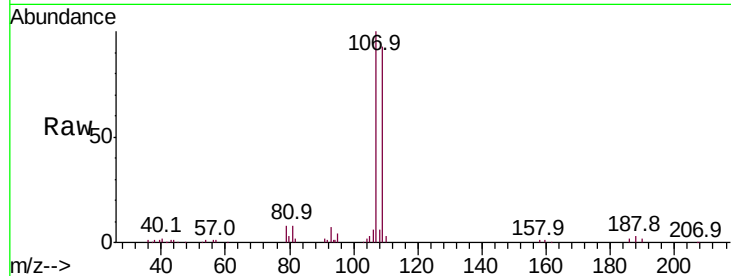
#61
1,2-Dibromoethane
Concen: 21.061 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.4	113.2

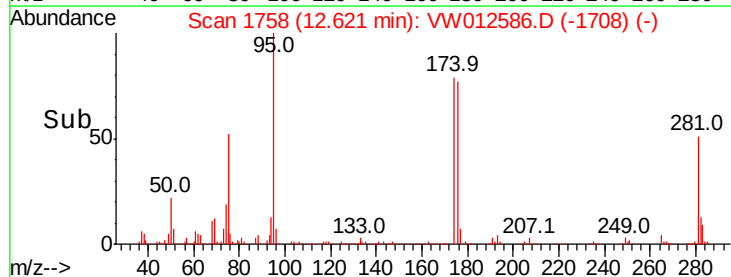
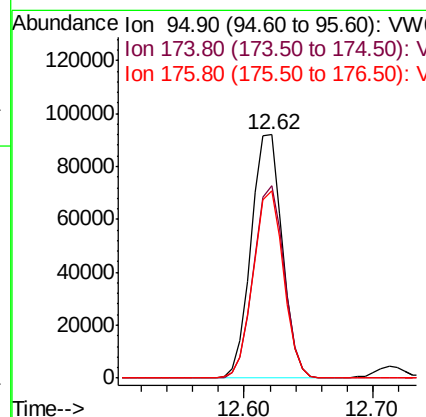
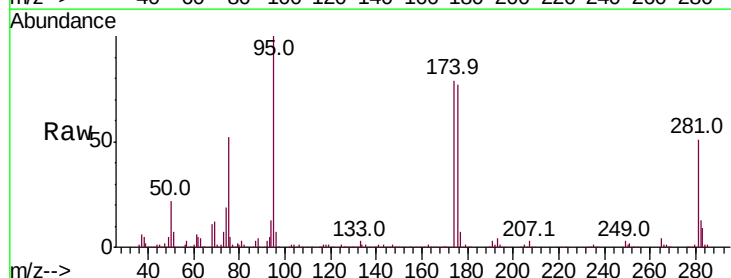
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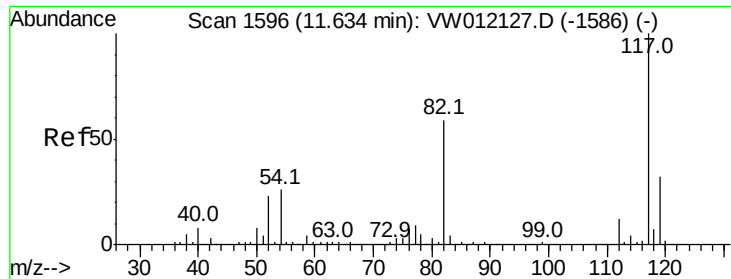
MMDadoda
9/7/2019 12:46:44 AM



#62
4-Bromofluorobenzene
Concen: 51.554 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	150.8
176	75.1	0.0	148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

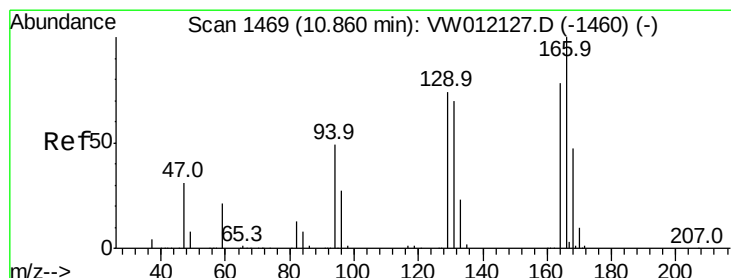
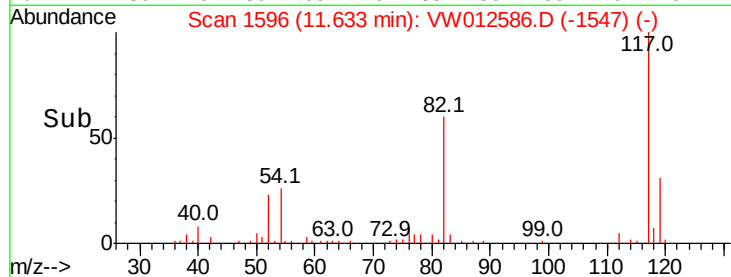
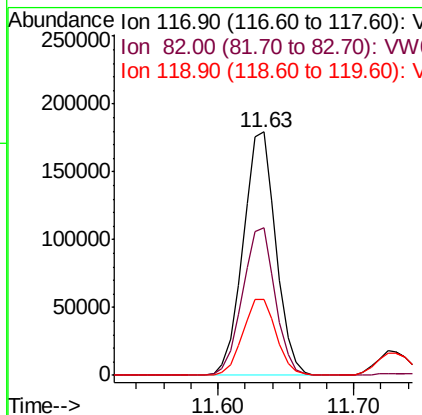
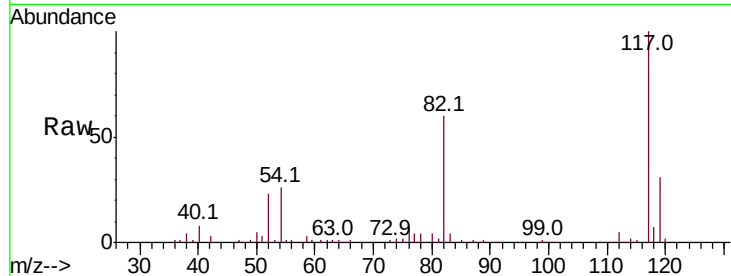
ClientSampleId :

VW0904SBSD01

Tot Ion:	117	Resp:	301504
Ion Ratio	Lower	Upper	
117	100		
82	60.4	47.4	71.2
119	31.1	25.4	38.2

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#64

Tetrachloroethene

Concen: 21.713 ug/l

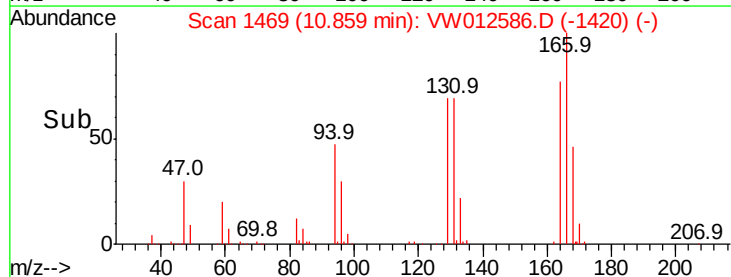
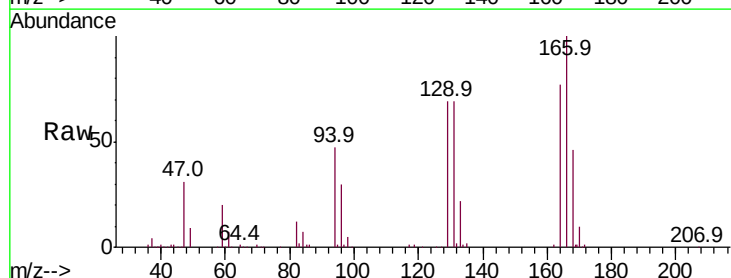
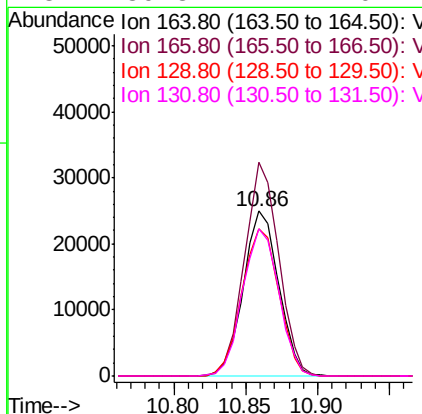
RT: 10.86 min Scan# 1469

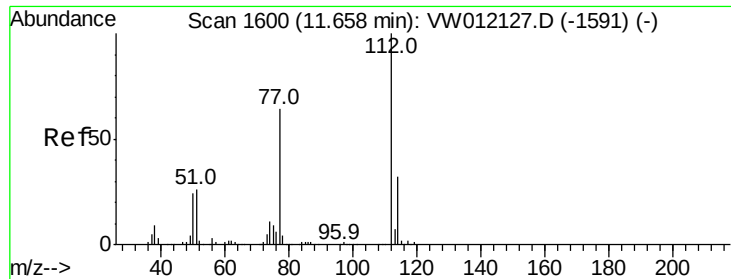
Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	164	Resp:	42444
Ion Ratio	Lower	Upper	
164	100		
166	129.4	102.4	153.6
129	89.4	75.8	113.6
131	89.3	71.4	107.2





#65

Chlorobenzene

Concen: 21.303 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion:112 Resp: 126475

Ion Ratio Lower Upper

112 100

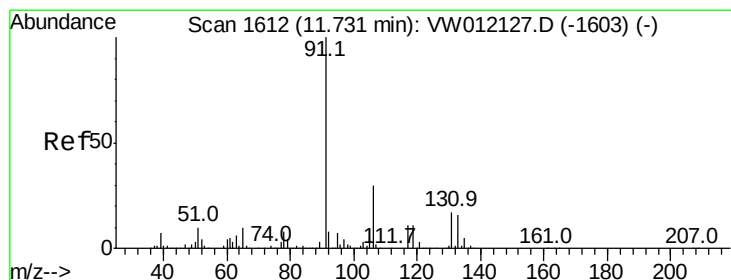
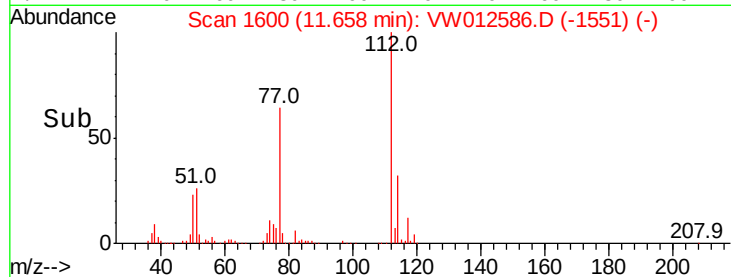
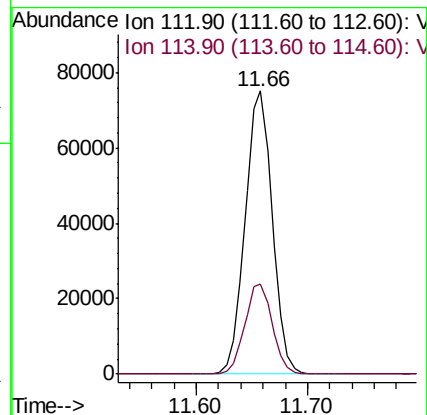
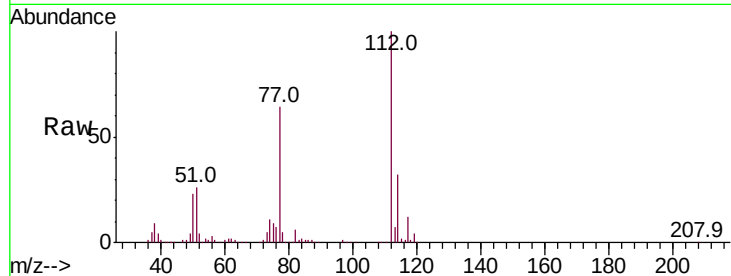
114 31.9 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.773 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

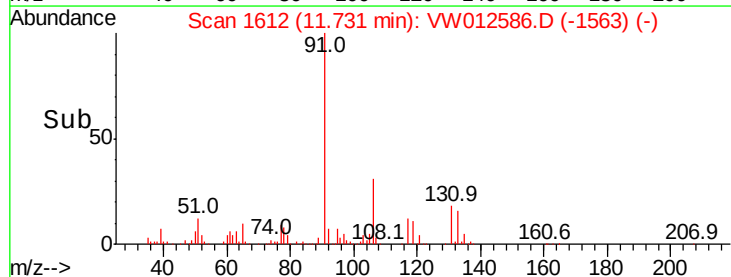
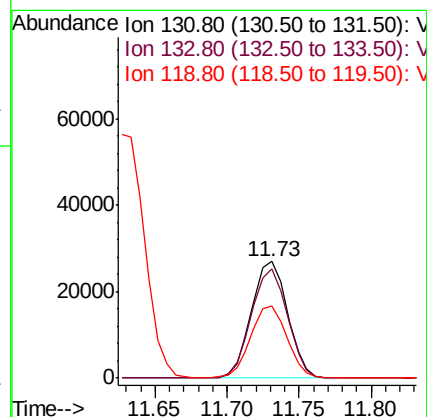
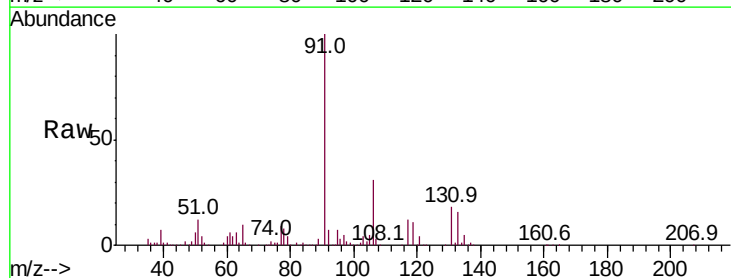
Tgt Ion:131 Resp: 47165

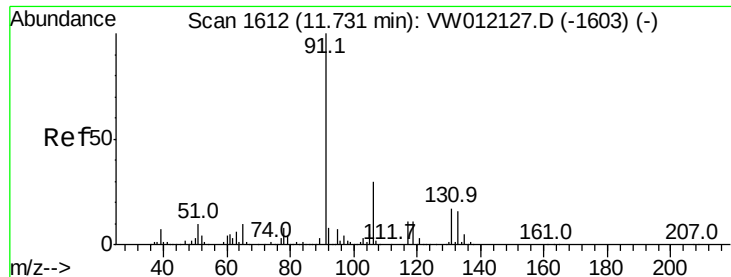
Ion Ratio Lower Upper

131 100

133 93.3 47.1 141.3

119 61.8 31.8 95.3





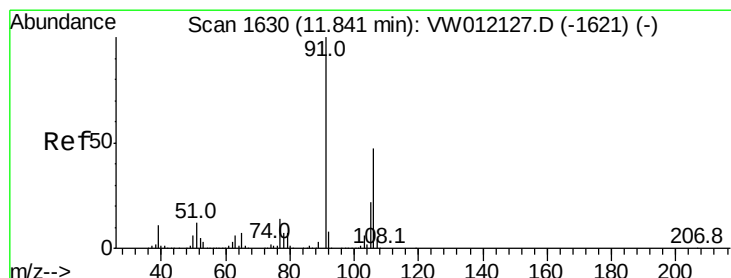
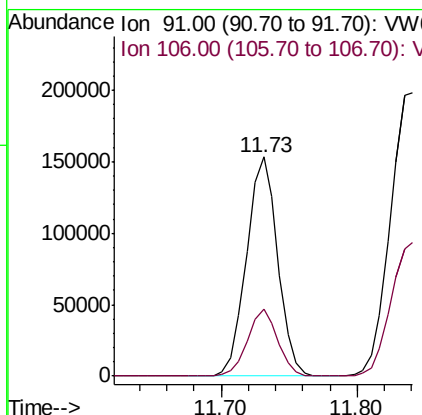
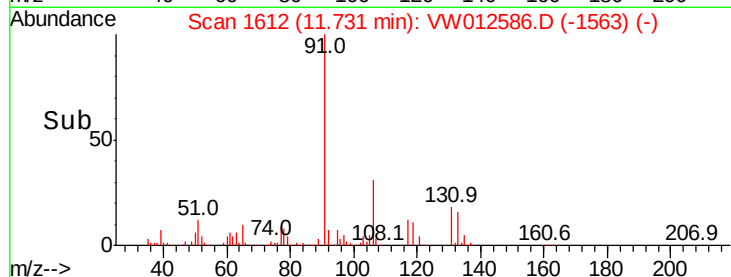
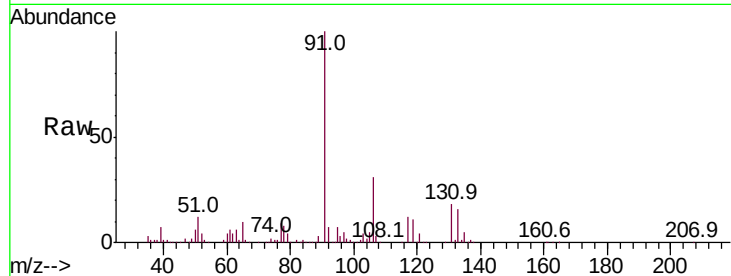
#67
Ethyl Benzene
Concen: 21.536 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion: 91 Resp: 246290
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5

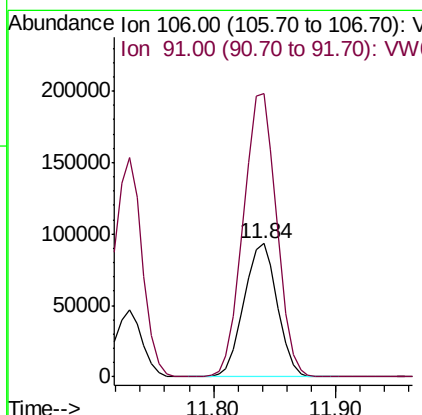
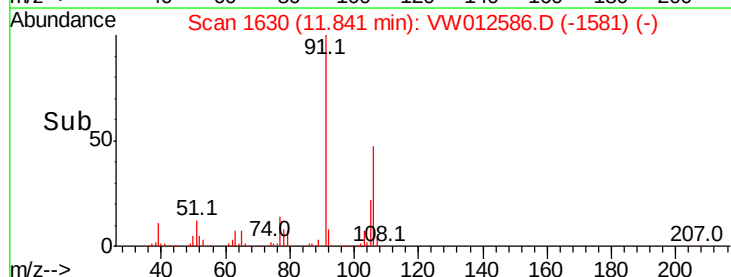
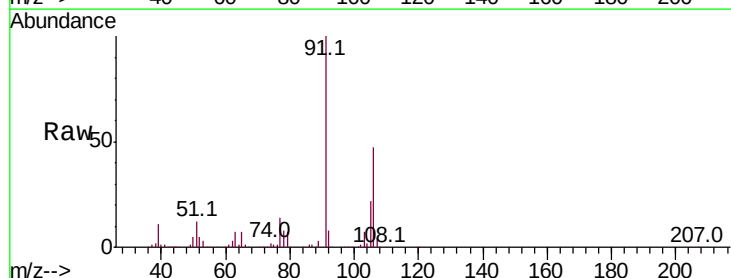
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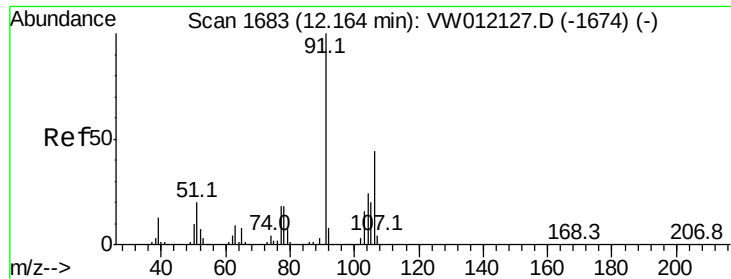
MMDadoda
9/7/2019 12:46:44 AM



#68
m/p-Xylenes
Concen: 42.983 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion: 106 Resp: 177071
Ion Ratio Lower Upper
106 100
91 212.1 169.5 254.3





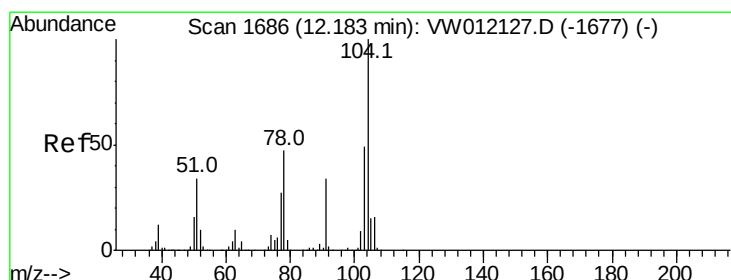
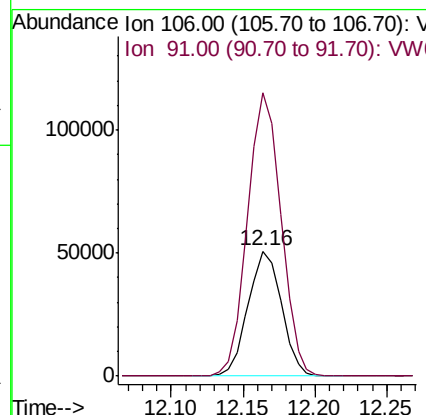
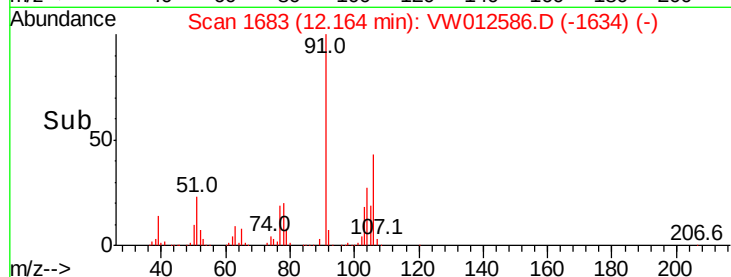
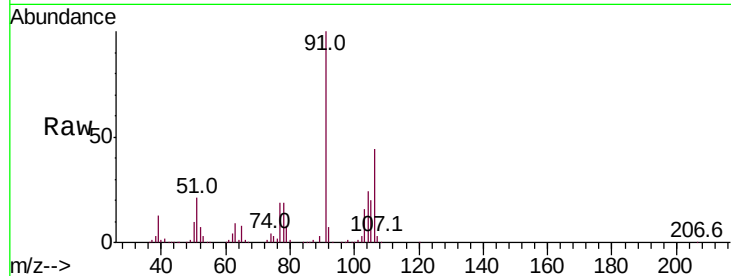
#69
o-Xylene
Concen: 21.422 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampled :
VW0904SBSD01

Tot Ion:106 Resp: 81676
Ion Ratio Lower Upper
106 100
91 226.6 111.6 334.6

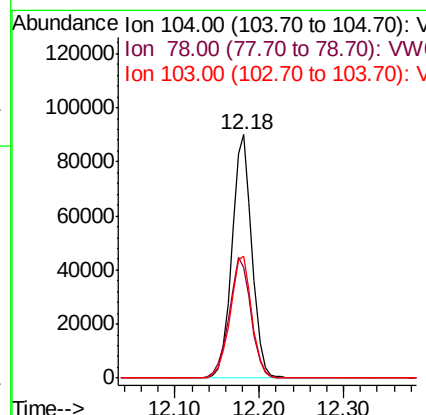
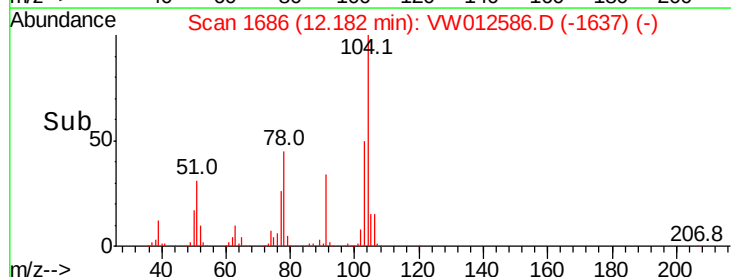
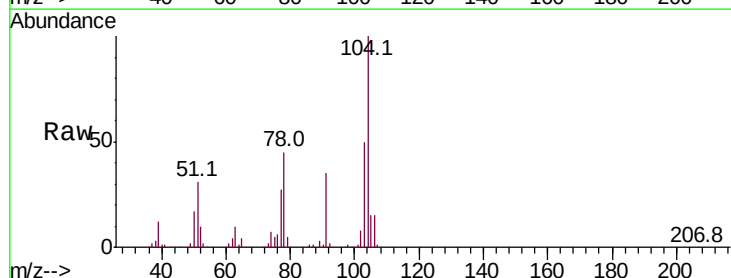
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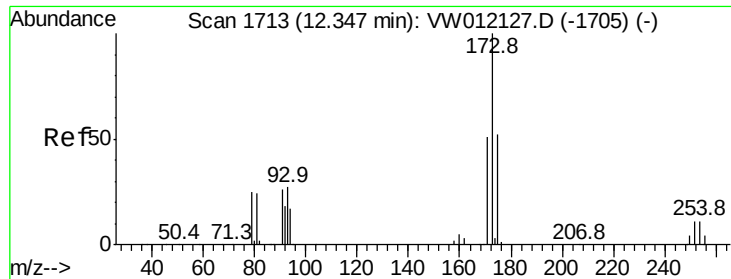
MMDadoda
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#70
Styrene
Concen: 21.952 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion:104 Resp: 144870
Ion Ratio Lower Upper
104 100
78 54.6 43.1 64.7
103 54.7 43.5 65.3





#71

Bromoform

Concen: 22.031 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion:173 Resp: 22734

Ion Ratio Lower Upper

173 100

175 49.4 24.6 74.0

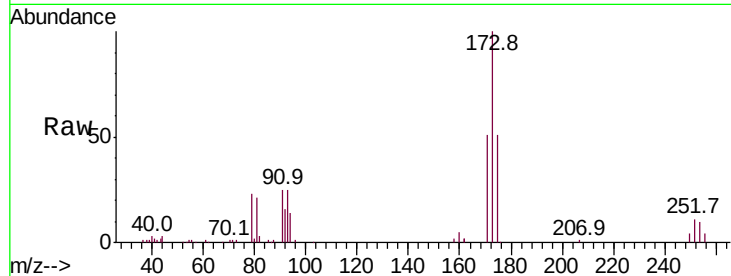
254 0.0 0.2 0.2#

Manual Integrations

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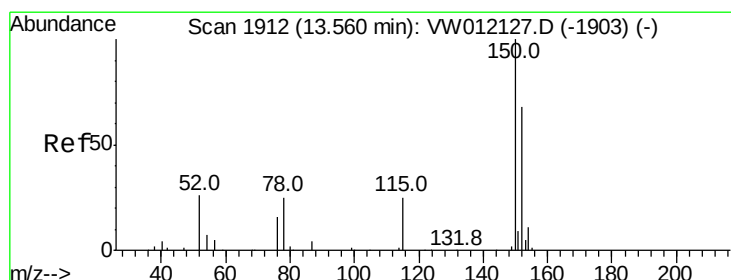
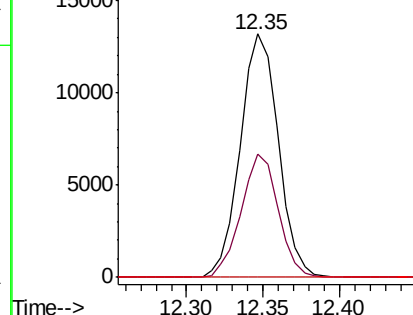
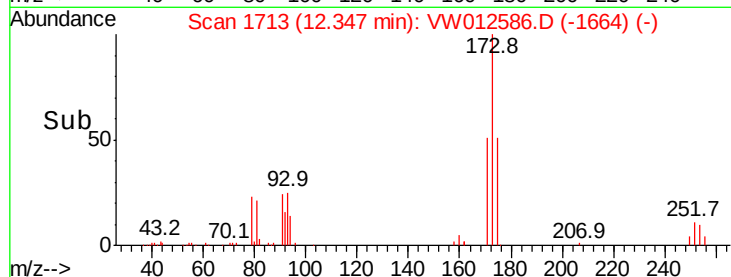
9/7/2019 12:46:44 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

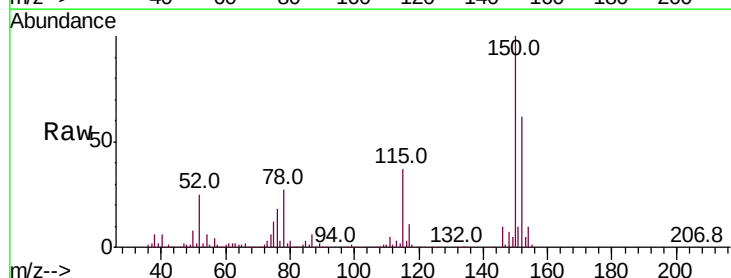
Tgt Ion:152 Resp: 147318

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

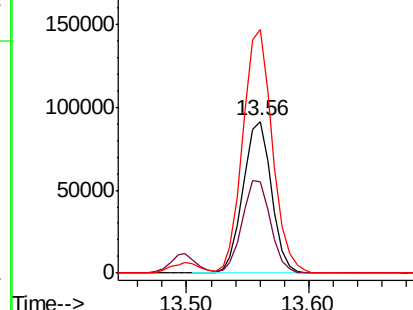
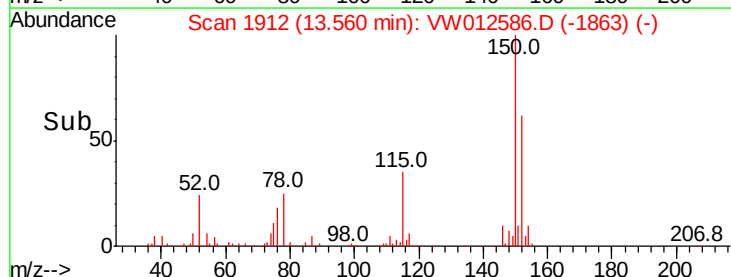
150 166.6 0.0 345.8

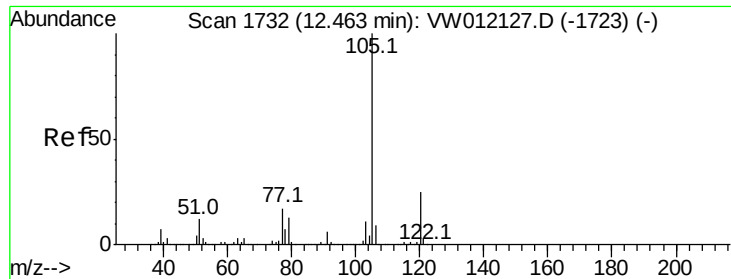


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





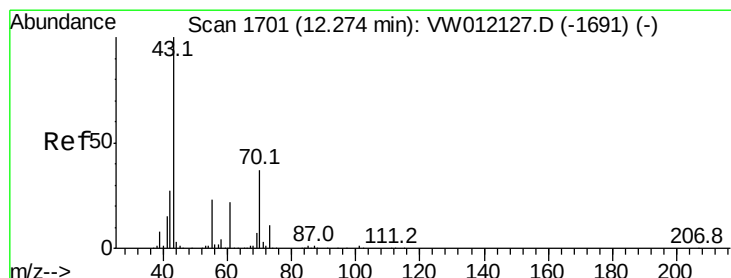
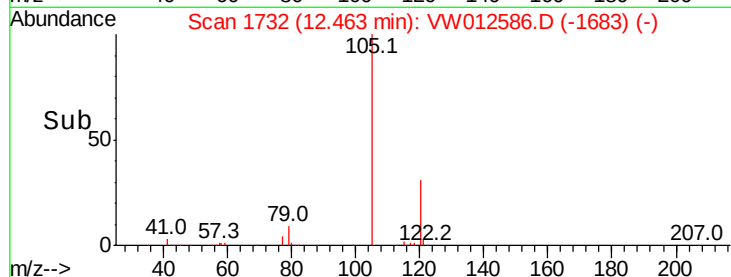
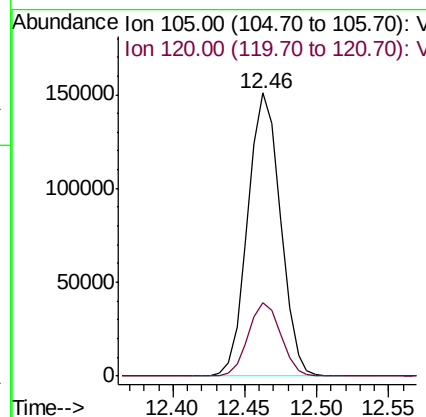
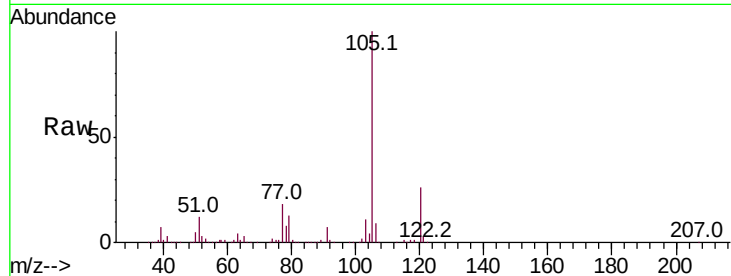
#73
Isopropylbenzene
Concen: 21.481 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.5	37.5

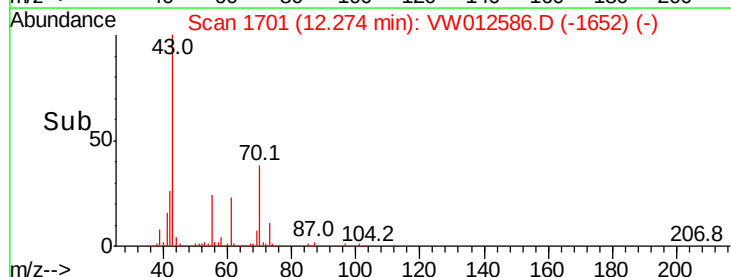
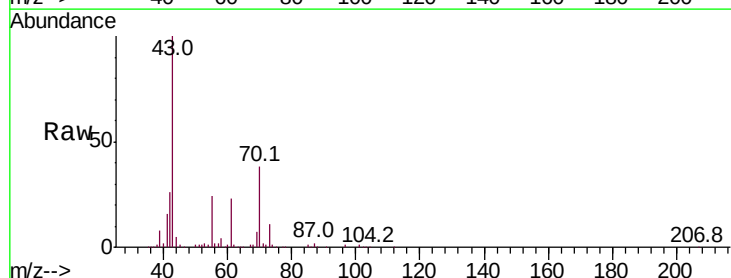
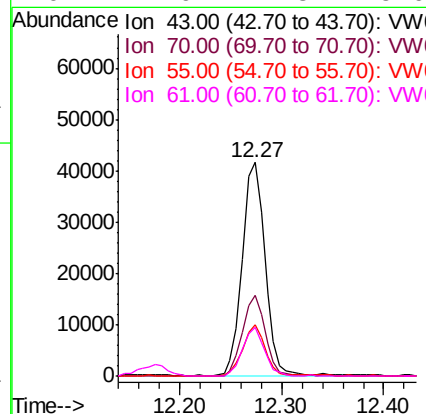
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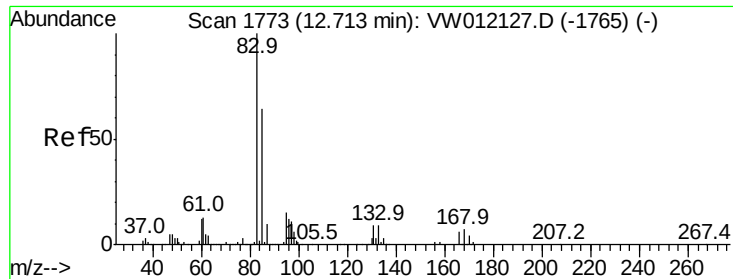
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#74
N-ethyl acetate
Concen: 19.307 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.8	28.6	43.0
55	23.2	17.8	26.6
61	21.9	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.641 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

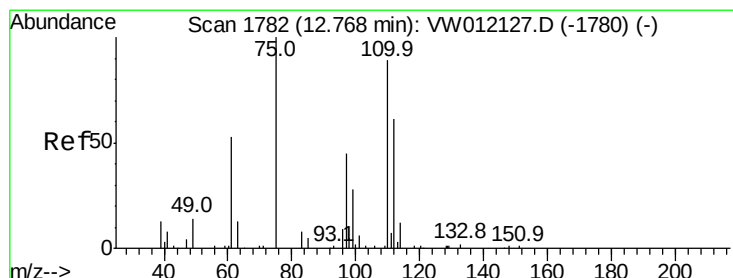
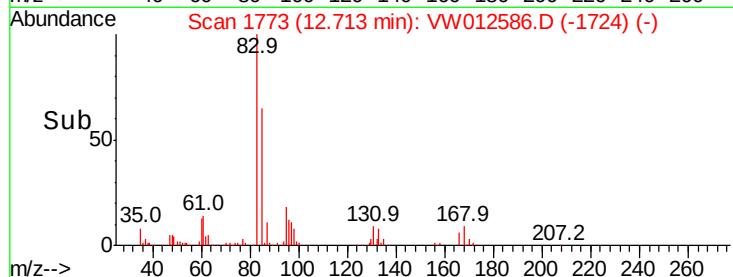
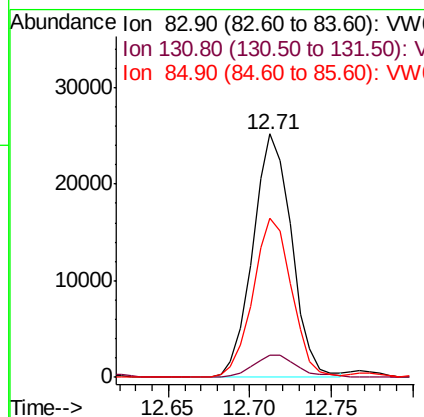
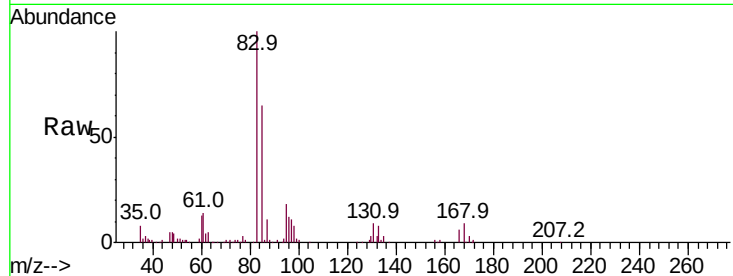
ClientSampleId :

VW0904SBSD01

Tot Ion:	83	Resp:	41771
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.9	14.7
85	65.2	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 20.877 ug/l m

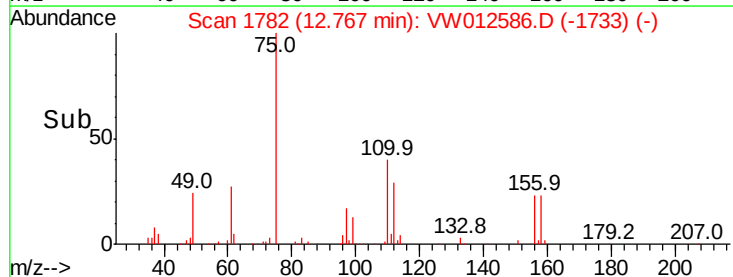
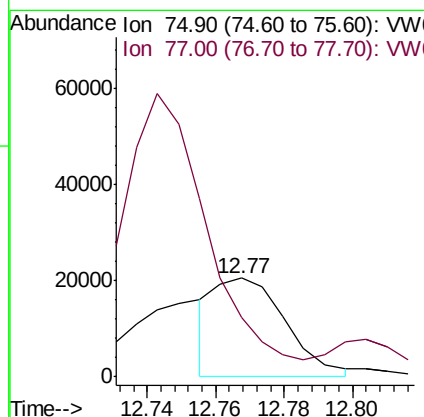
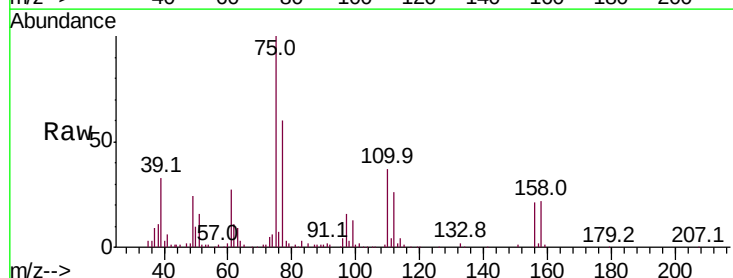
RT: 12.77 min Scan# 1782

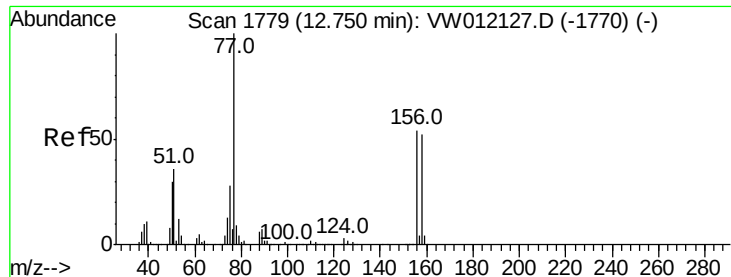
Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	75	Resp:	29954
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.830 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD01

Tot Ion:156 Resp: 52133

Ion Ratio Lower Upper

156 100

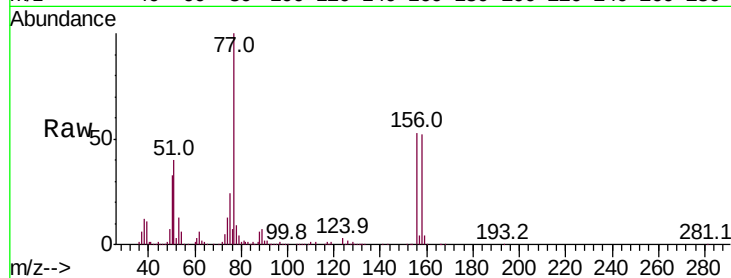
77 202.4 107.3 321.8

158 97.3 49.0 147.0

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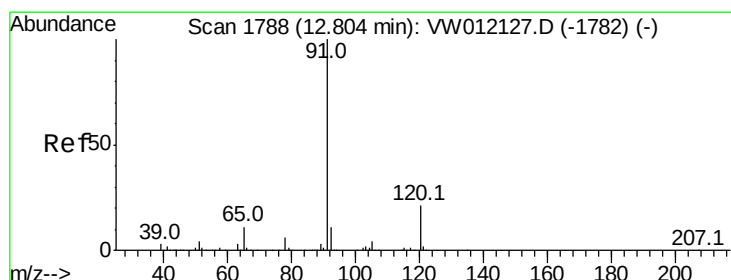
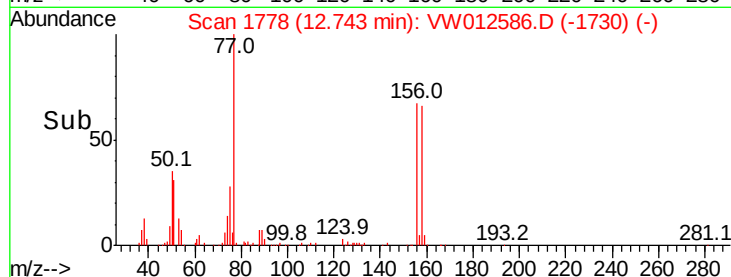
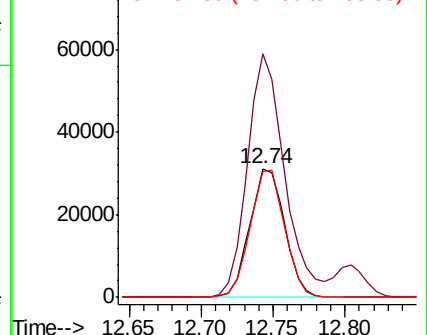
9/7/2019 12:46:44 AM



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: 21.219 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012586.D

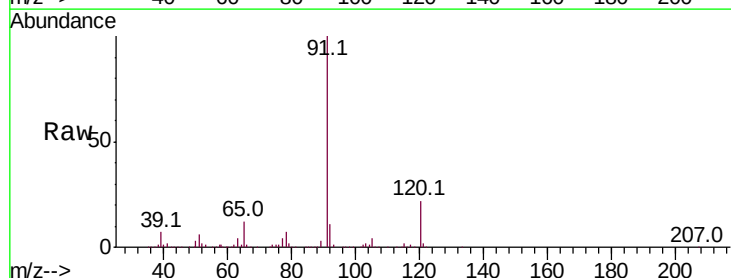
Acq: 04 Sep 2019 11:05

Tgt Ion: 91 Resp: 285951

Ion Ratio Lower Upper

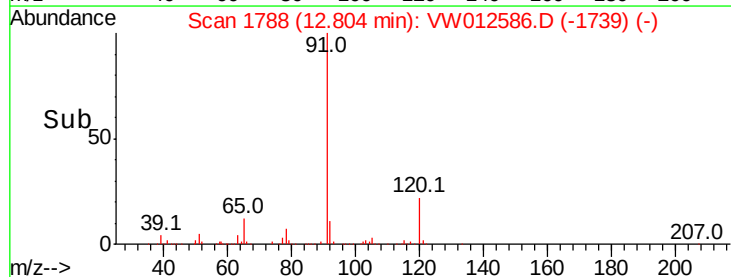
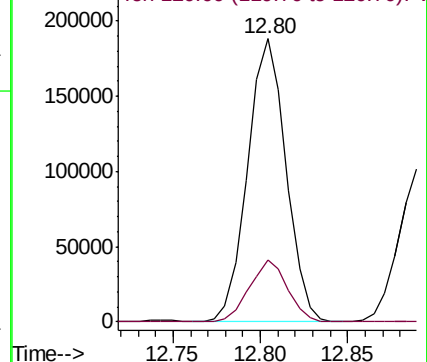
91 100

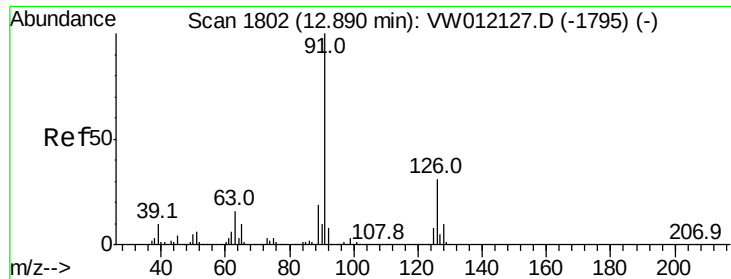
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.565 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

ClientSampled :

VW0904SBSD01

Tot Ion: 91 Resp: 164996

Ion Ratio Lower Upper

91 100

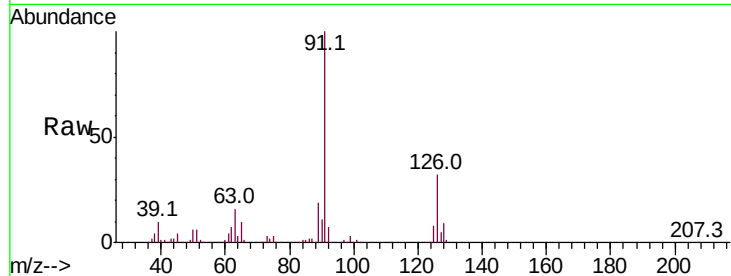
126 31.8 15.7 47.0

Manual Integrations

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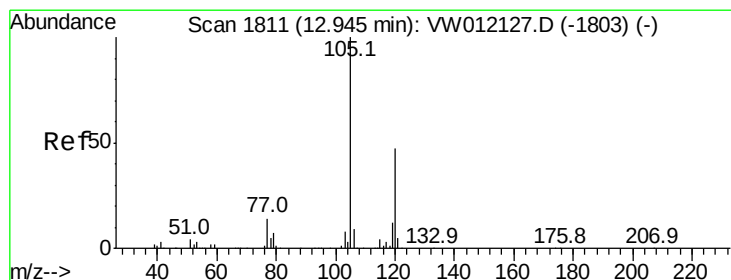
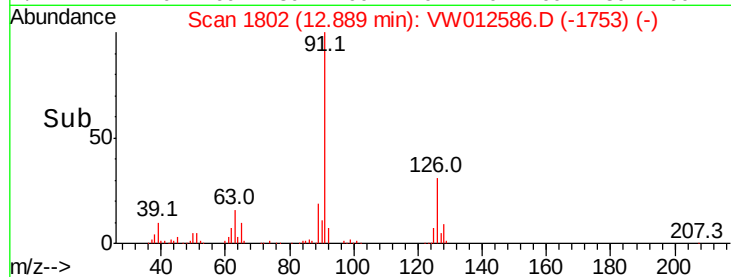
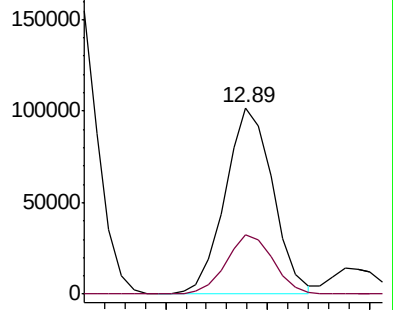
MMDadoda

9/7/2019 12:46:44 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: 22.002 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012586.D

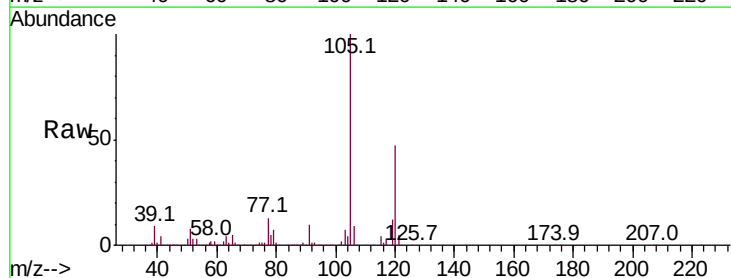
Acq: 04 Sep 2019 11:05

Tgt Ion:105 Resp: 202947

Ion Ratio Lower Upper

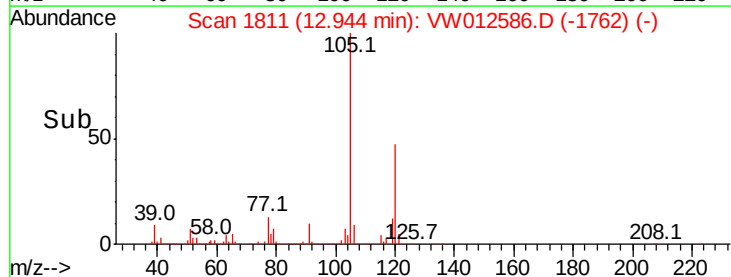
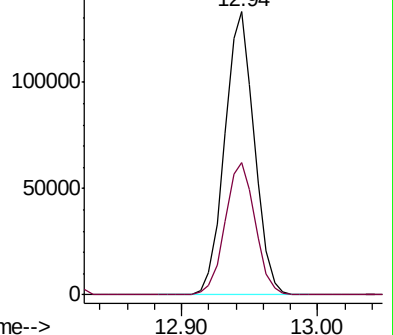
105 100

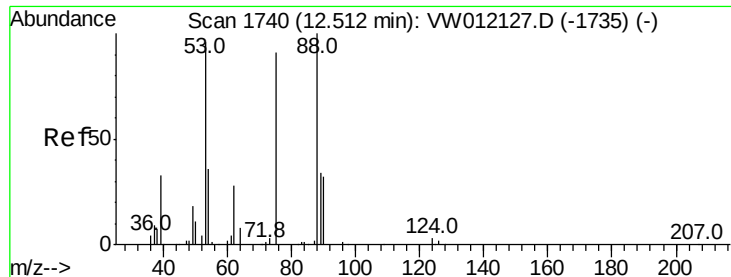
120 47.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





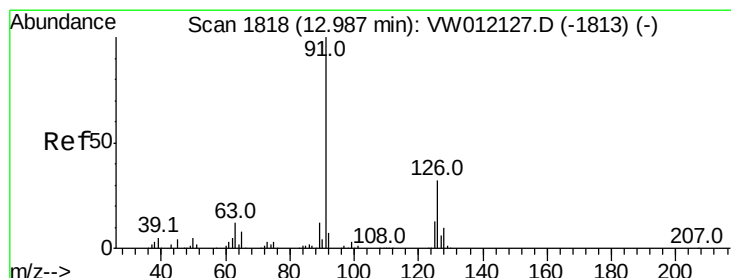
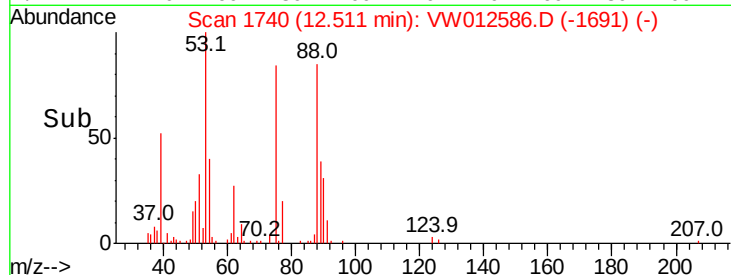
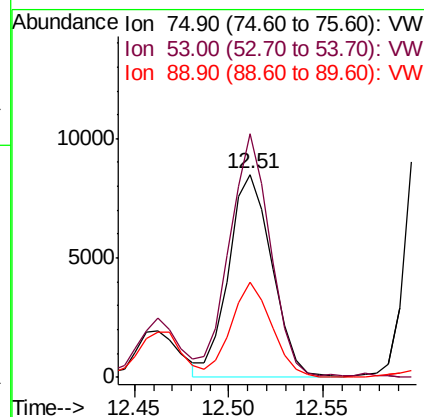
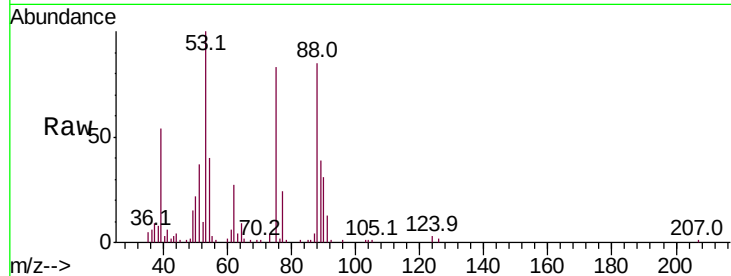
#81
trans-1,4-Dichloro-2-butene
Concen: 20.795 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.9	89.4	134.0
89	43.4	34.5	51.7

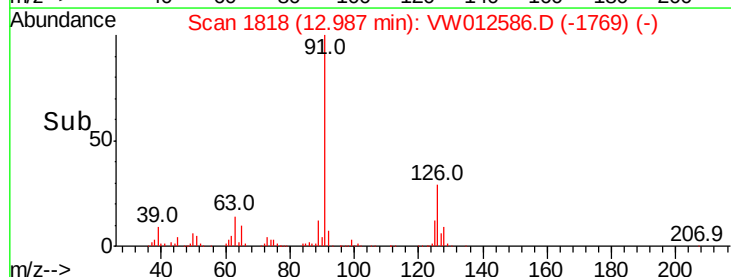
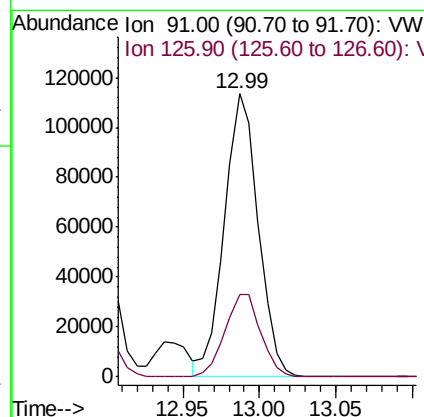
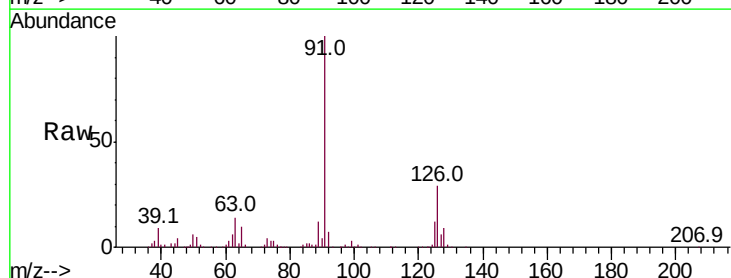
Manual Integrations
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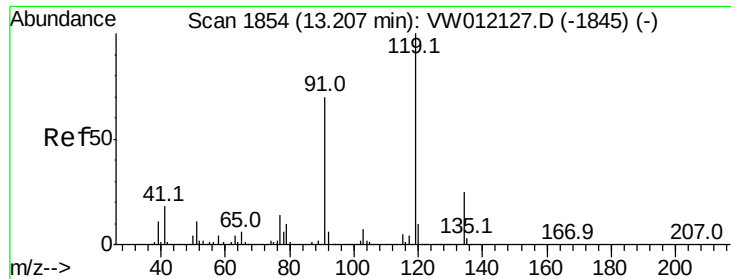
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.718 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012586.D
Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8





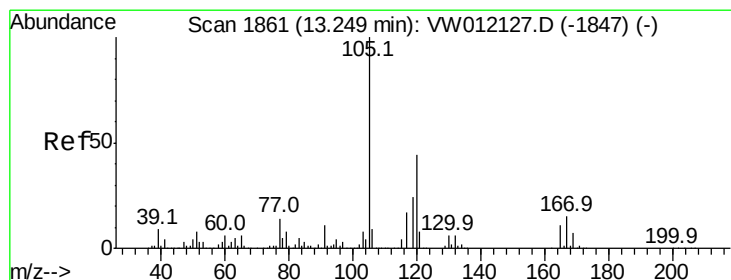
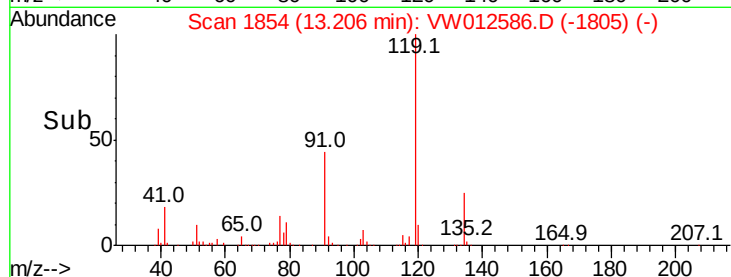
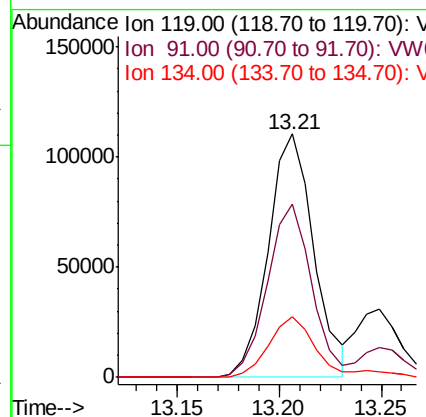
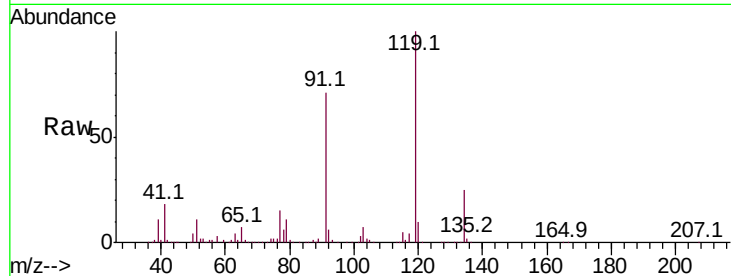
#83
 tert-Butylbenzene
 Concen: 22.002 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	171915		
91	69.4	34.8	104.3	
134	26.6	13.3	39.8	

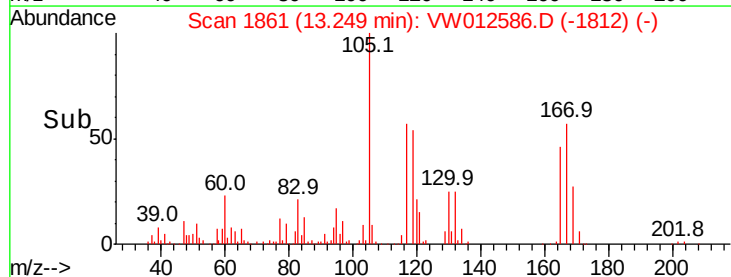
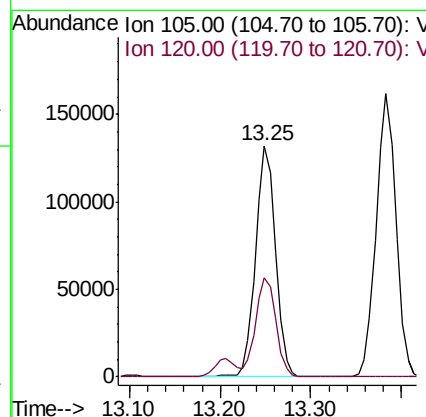
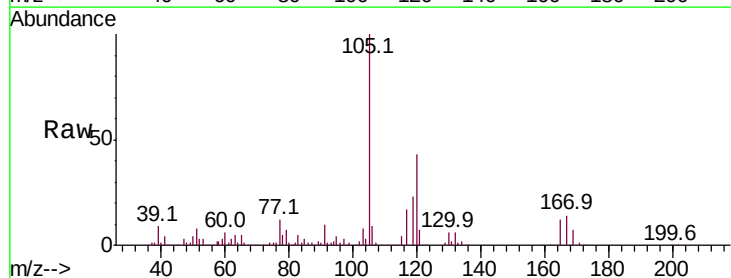
Manual Integrations
 APPROVED

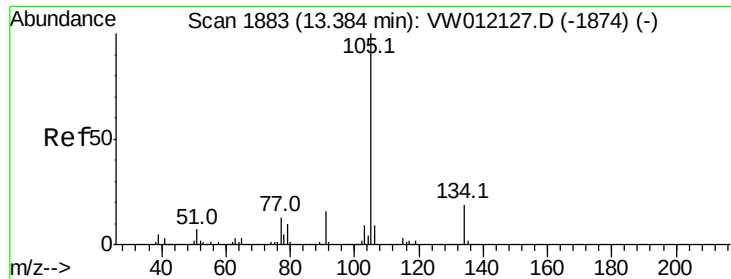
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.826 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	202230		
120	43.3	21.9	65.7	





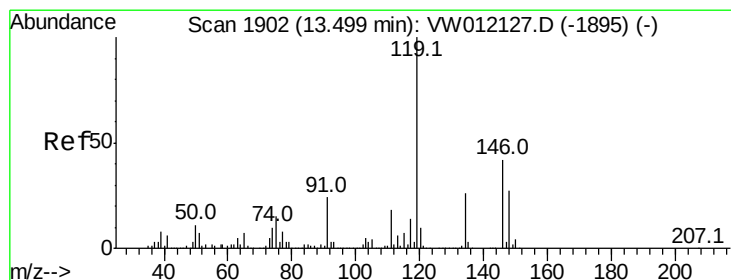
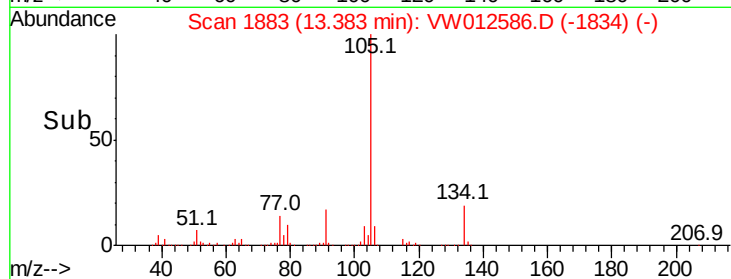
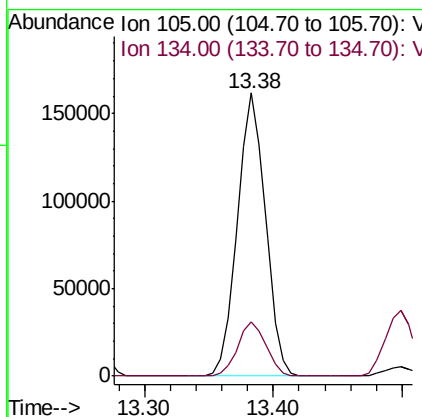
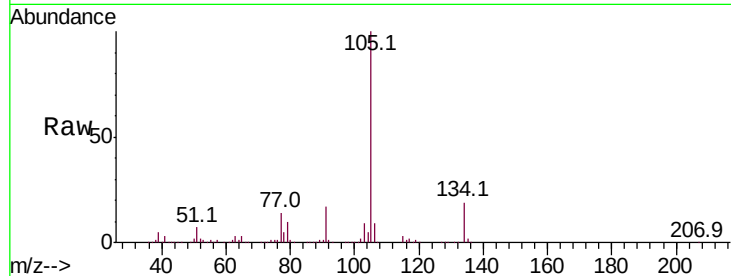
#85
 sec-Butylbenzene
 Concen: 21.862 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_W
 ClientSampled :
 VW0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	244730		
134	19.2	9.8	29.4	

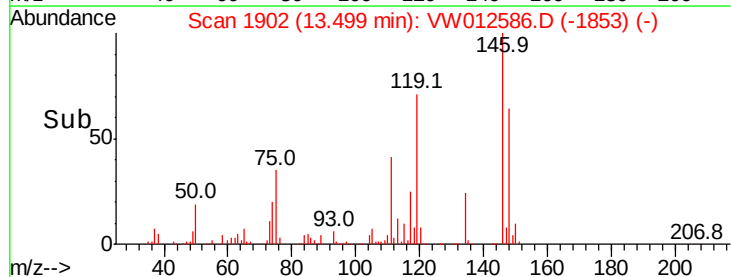
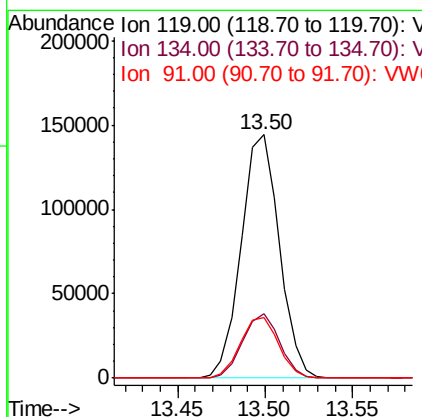
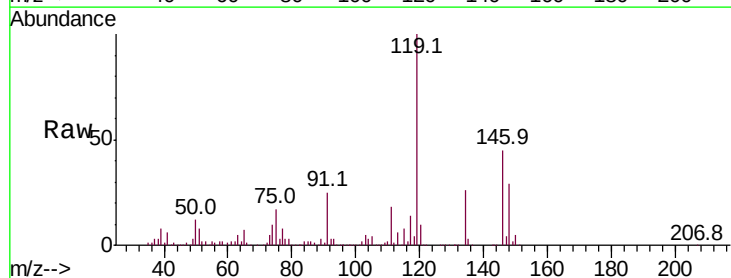
Manual Integrations
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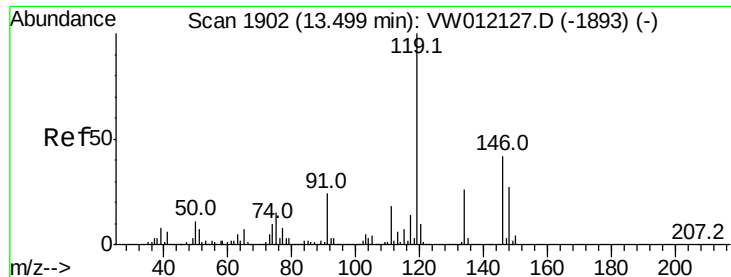
MMDadoda
 9/7/2019 12:46:44 AM



#86
 p-Isopropyltoluene
 Concen: 21.868 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	218616		
134	25.9	12.8	38.3	
91	25.2	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 21.893 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

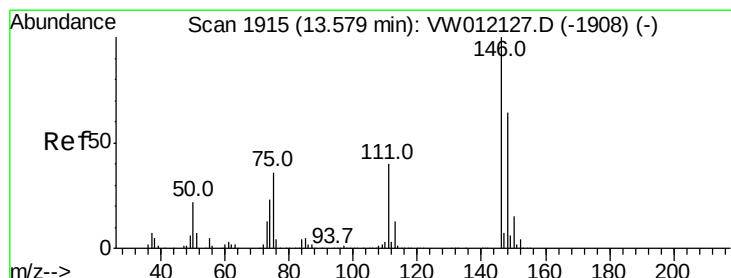
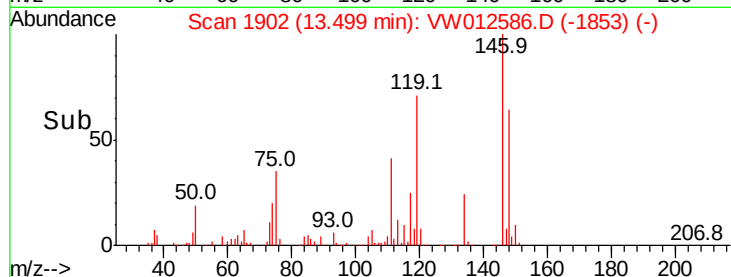
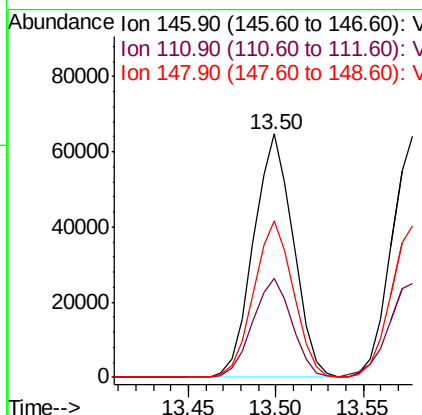
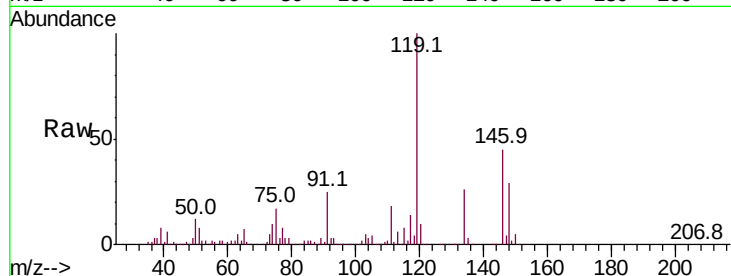
ClientSampleId :

VW0904SBSD01

Tot Ion:	146	Resp:	102265
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.9	62.7
148	64.1	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.809 ug/l

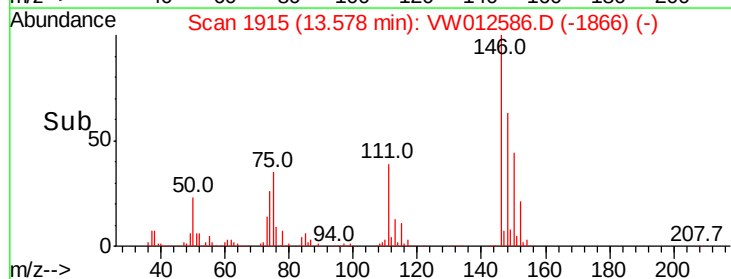
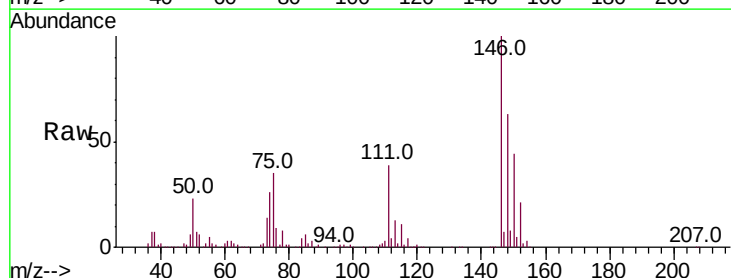
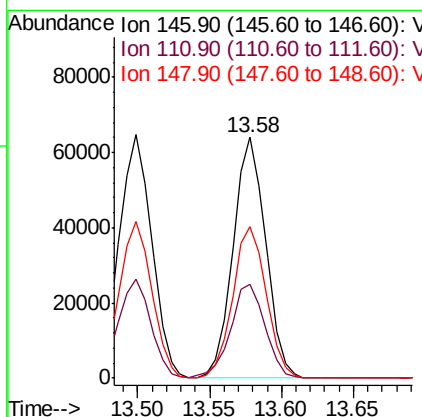
RT: 13.58 min Scan# 1915

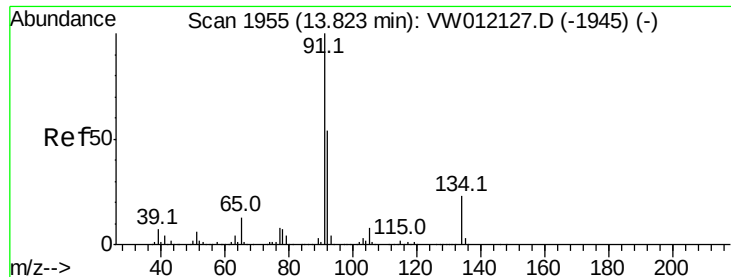
Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	146	Resp:	101153
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.0	60.0
148	64.8	32.1	96.3





#89

n-Butylbenzene

Concen: 21.592 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

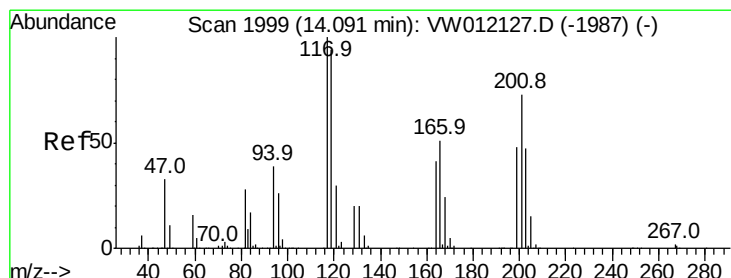
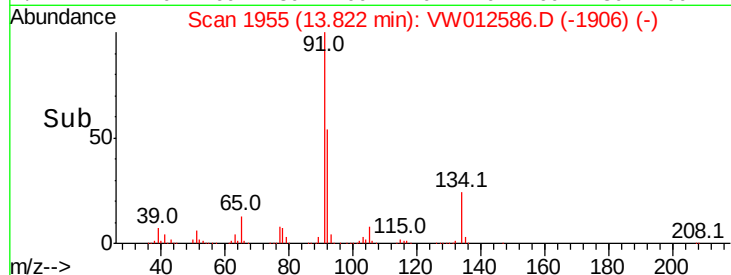
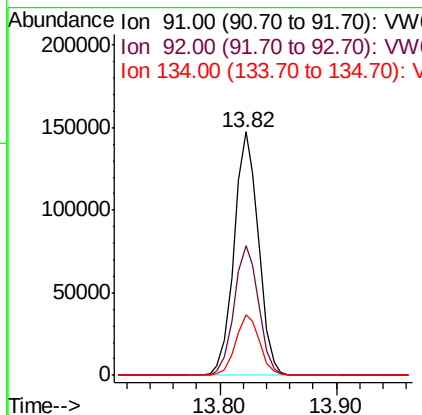
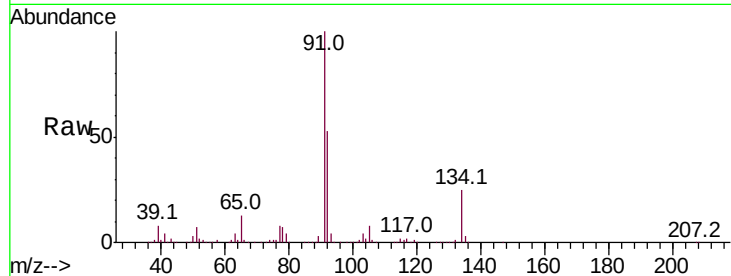
ClientSampleId :

VW0904SBSD01

Tot Ion:	91	Resp:	214658
Ion Ratio	Lower	Upper	
91	100		
92	53.5	27.1	81.2
134	24.6	12.2	36.4

Manual Integrations
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#90

Hexachloroethane

Concen: 21.404 ug/l

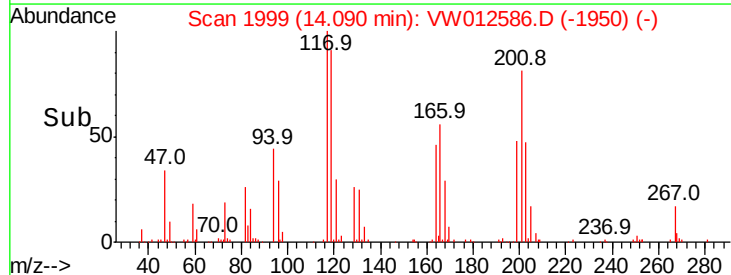
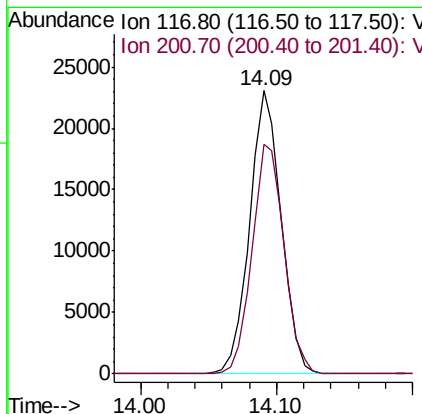
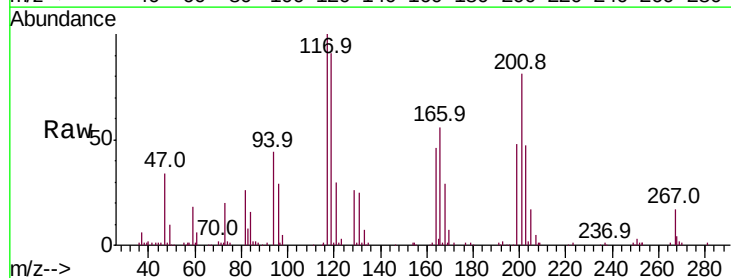
RT: 14.09 min Scan# 1999

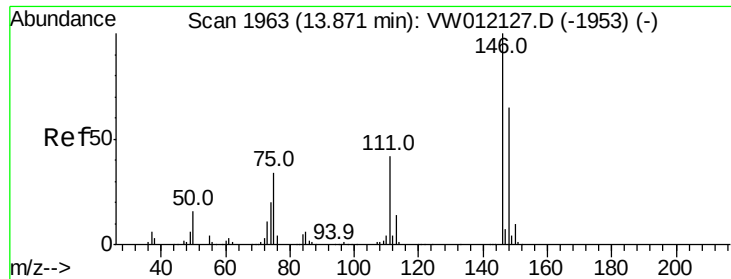
Delta R.T. -0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	117	Resp:	37542
Ion Ratio	Lower	Upper	
117	100		
201	82.1	38.6	115.7





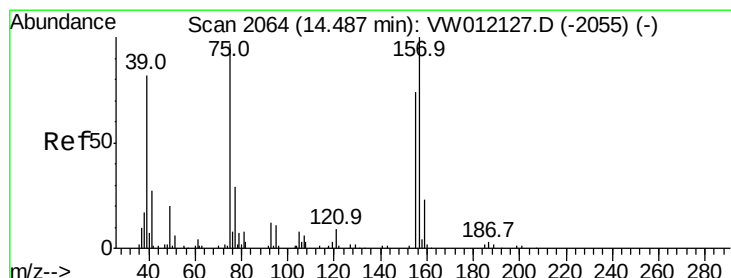
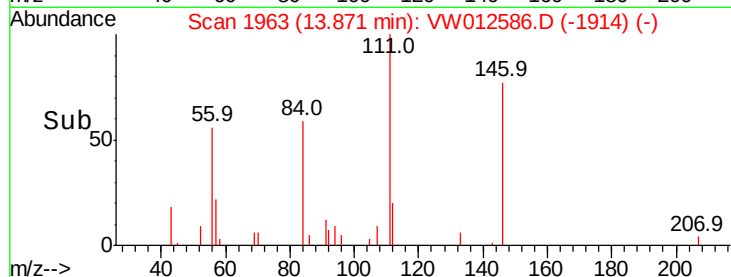
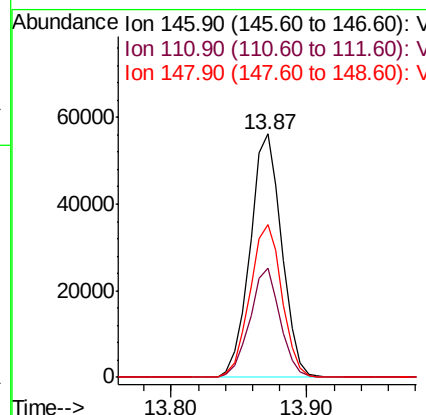
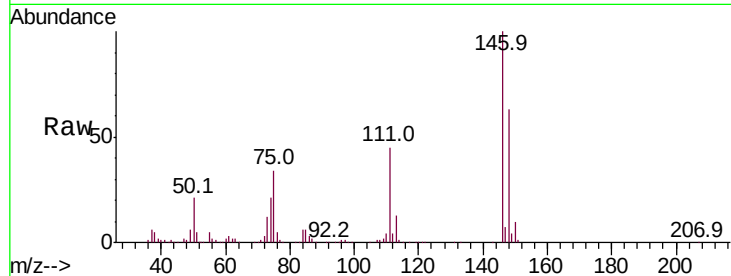
#91
 1,2-Dichlorobenzene
 Concen: 22.287 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.2	63.6
148	63.8	32.5	97.4

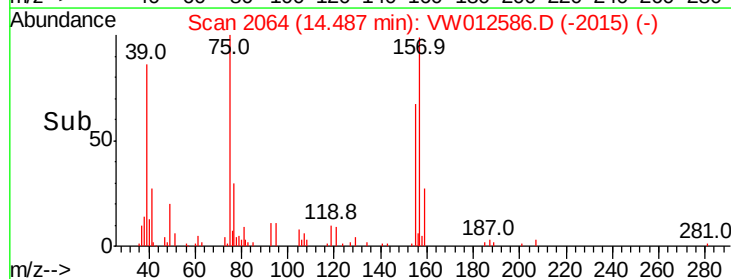
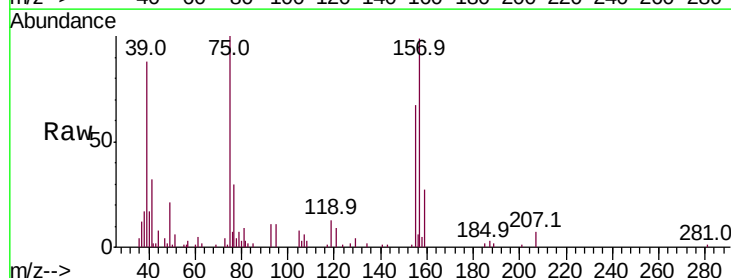
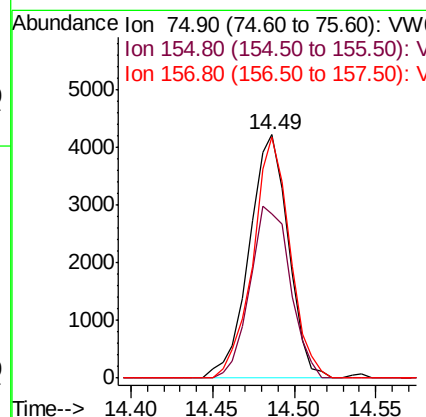
Manual Integrations
 APPROVED

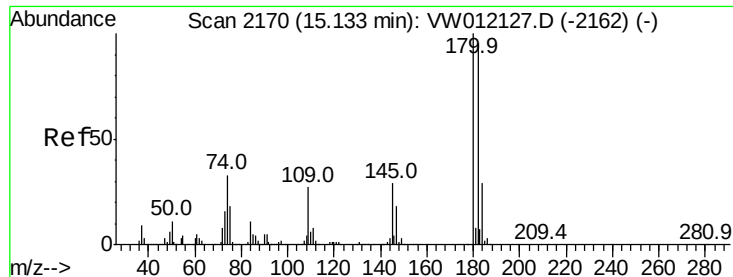
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.679 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	37.5	112.3
157	93.4	50.5	151.5





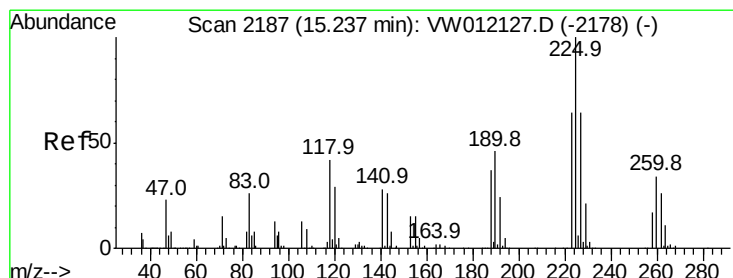
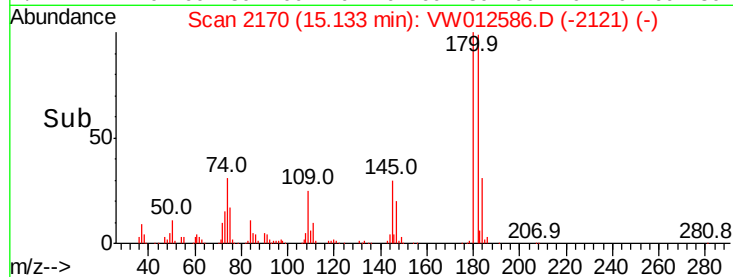
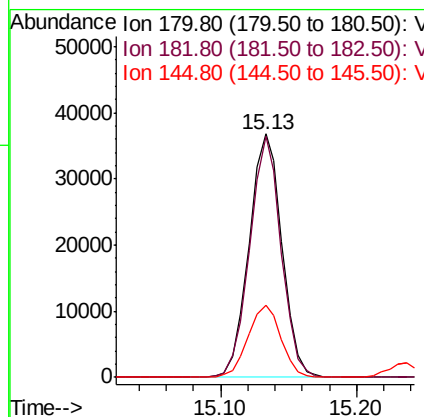
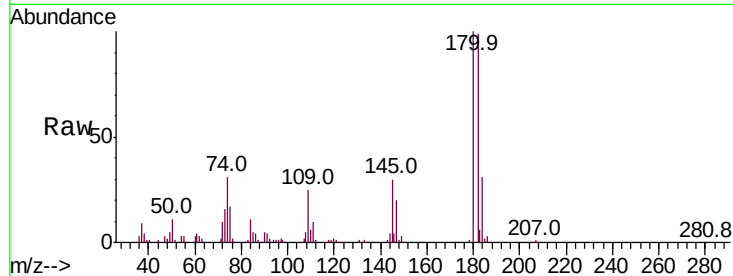
#93
 1,2,4-Trichlorobenzene
 Concen: 21.995 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62284		
182	94.5	47.8	143.4	
145	29.8	15.0	45.1	

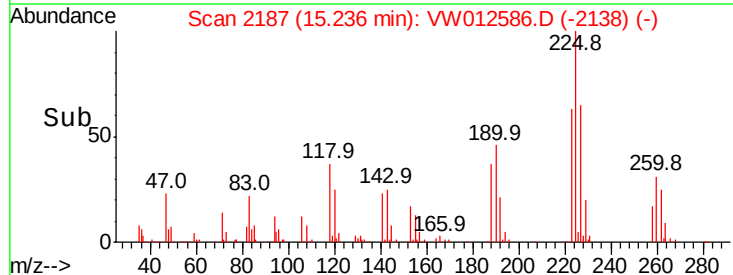
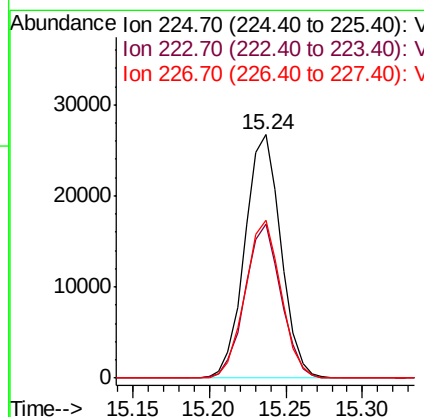
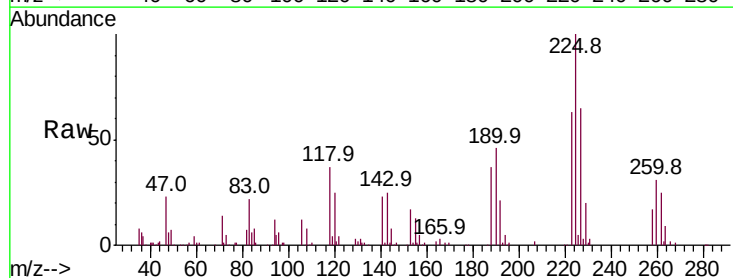
Manual Integrations
 APPROVED

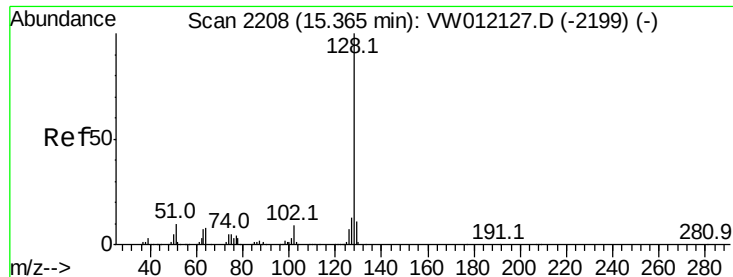
MMDadoda
 9/7/2019 12:46:44 AM



#94
 Hexachlorobutadiene
 Concen: 23.392 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012586.D
 Acq: 04 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43739		
223	63.2	32.3	96.8	
227	64.5	32.9	98.6	





#95

Naphthalene

Concen: 20.748 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Instrument :

MSVOA_W

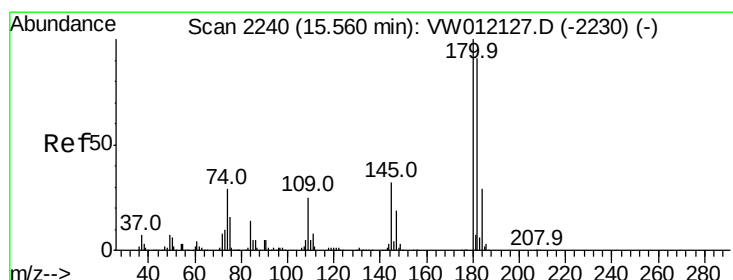
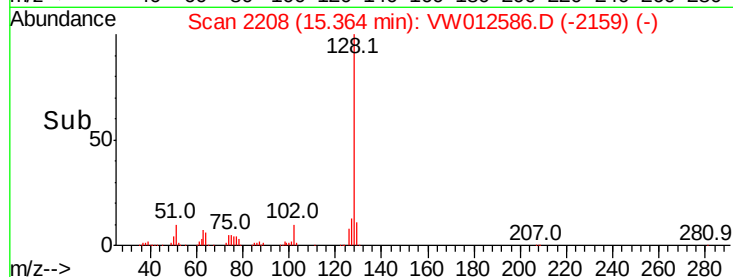
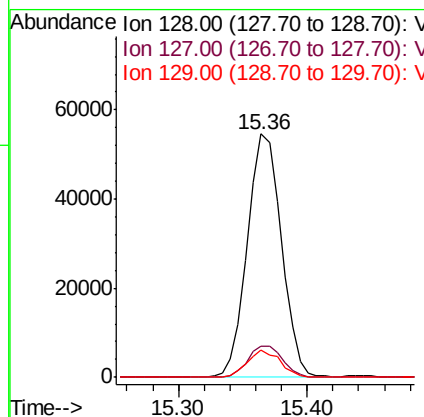
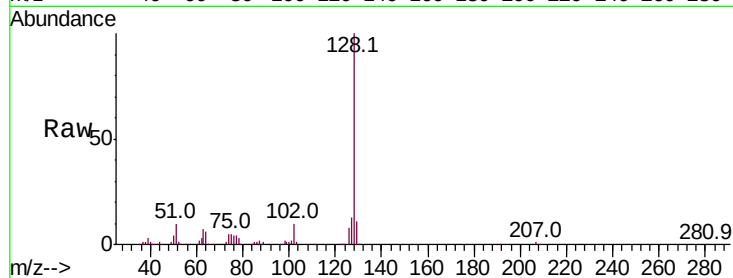
ClientSampled :

VW0904SBSD01

Tot Ion:	128	Resp:	99918
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.7	16.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.284 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012586.D

Acq: 04 Sep 2019 11:05

Tgt Ion:	180	Resp:	52586
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.1	141.3
145	34.1	16.2	48.5

