

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012612.D
 Acq On : 05 Sep 2019 02:15
 Operator : SY/VA
 Sample : VW0904SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:16 AM

Quant Time: Sep 05 07:39:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	194926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	141814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143785	62.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.10%	
35) Dibromofluoromethane	7.88	113	108718	56.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.70%	
50) Toluene-d8	10.32	98	408752	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.62	95	152161	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	18994	15.825	ug/l	95
3) Chloromethane	2.21	50	28726	15.448	ug/l	99
4) Vinyl Chloride	2.36	62	32432	14.250	ug/l	93
5) Bromomethane	2.77	94	19792	17.171	ug/l	98
6) Chloroethane	2.92	64	20968	16.331	ug/l	99
7) Trichlorofluoromethane	3.25	101	18881	16.521	ug/l	90
8) Diethyl Ether	3.68	74	24193	22.303	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38234	19.682	ug/l	97
10) Methyl Iodide	4.28	142	52916	20.133	ug/l	98
11) Tert butyl alcohol	5.19	59	19924	142.878	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	34682	17.738	ug/l	97
13) Acrolein	3.90	56	8341	63.543	ug/l	99
14) Allyl chloride	4.67	41	77272	18.486	ug/l	98
15) Acrylonitrile	5.37	53	69177	128.660	ug/l	100
16) Acetone	4.12	43	61529	103.877	ug/l	97
17) Carbon Disulfide	4.38	76	81647	13.817	ug/l	99
18) Methyl Acetate	4.67	43	47575	32.428	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	81478	25.769	ug/l	94
20) Methylene Chloride	4.92	84	50347	22.484	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	40596	19.362	ug/l	98
22) Diisopropyl ether	6.31	45	175861	22.698	ug/l	99
23) Vinyl Acetate	6.25	43	521689	109.411	ug/l	99
24) 1,1-Dichloroethane	6.21	63	89592	21.237	ug/l	99
25) 2-Butanone	7.17	43	97905	121.636	ug/l	99
26) 2,2-Dichloropropane	7.17	77	46299	19.390	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	48304	21.563	ug/l	99
28) Bromochloromethane	7.51	49	42617	23.178	ug/l	96
29) Tetrahydrofuran	7.53	42	62681	129.800	ug/l	98
30) Chloroform	7.67	83	90024	23.325	ug/l	98
31) Cyclohexane	7.95	56	68106	16.318	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	67358	22.061	ug/l	98
36) 1,1-Dichloropropene	8.08	75	61384	18.540	ug/l	98
37) Ethyl Acetate	7.25	43	40583	22.368	ug/l	97
38) Carbon Tetrachloride	8.07	117	59122	20.631	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62230	16.730	ug/l	93
40) Benzene	8.32	78	182133	20.145	ug/l	99
41) Methacrylonitrile	7.48	41	26665	25.005	ug/l	98
42) 1,2-Dichloroethane	8.40	62	68721	24.253	ug/l	100
43) Isopropyl Acetate	8.42	43	81892	24.367	ug/l	99
44) Trichloroethene	9.09	130	44691	20.334	ug/l	94
45) 1,2-Dichloropropane	9.37	63	51133	21.015	ug/l	99
46) Dibromomethane	9.46	93	25810	23.841	ug/l	96
47) Bromodichloromethane	9.64	83	66120	22.948	ug/l	96
48) Methyl methacrylate	9.43	41	38583	24.121	ug/l	96
49) 1,4-Dioxane	9.46	88	8831	532.848	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	220449	128.963	ug/l	99
52) Toluene	10.38	92	112289	20.675	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65881	22.447	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	74927	21.144	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	36366	23.742	ug/l	97
56) Ethyl methacrylate	10.65	69	53031	23.788	ug/l	99
57) 1,3-Dichloropropane	10.93	76	69383	23.970	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	135514	118.444	ug/l	99
59) 2-Hexanone	10.97	43	150709	124.603	ug/l	98
60) Dibromochloromethane	11.13	129	40800	23.914	ug/l	98
61) 1,2-Dibromoethane	11.23	107	34222	23.982	ug/l	100
64) Tetrachloroethene	10.86	164	39670	21.067	ug/l	99
65) Chlorobenzene	11.66	112	120216	21.020	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45032	22.570	ug/l	99
67) Ethyl Benzene	11.73	91	220381	20.003	ug/l	99
68) m/p-Xylenes	11.83	106	160851	40.532	ug/l	99
69) o-Xylene	12.16	106	76608	20.857	ug/l	100
70) Styrene	12.18	104	134801	21.203	ug/l	99
71) Bromoform	12.35	173	24652	24.799	ug/l #	99
73) Isopropylbenzene	12.46	105	210961	19.853	ug/l	98
74) N-amyl acetate	12.27	43	71618	22.307	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	44957	23.077	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37056m	26.829	ug/l	
77) Bromobenzene	12.75	156	49579	21.566	ug/l	99
78) n-propylbenzene	12.80	91	252293	19.448	ug/l	99
79) 2-Chlorotoluene	12.89	91	150803	20.475	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	182540	20.558	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12235	19.422	ug/l	88
82) 4-Chlorotoluene	12.99	91	158855	20.599	ug/l	100
83) tert-Butylbenzene	13.21	119	155141	20.626	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	184229	20.655	ug/l	99
85) sec-Butylbenzene	13.38	105	213944	19.854	ug/l	99
86) p-Isopropyltoluene	13.49	119	194368	20.197	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	96112	21.375	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96902	21.704	ug/l	99
89) n-Butylbenzene	13.82	91	181577	18.974	ug/l	100
90) Hexachloroethane	14.09	117	34049	20.166	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	88320	22.390	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7902	24.061	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59530	21.838	ug/l	98
94) Hexachlorobutadiene	15.24	225	39395	21.886	ug/l	98
95) Naphthalene	15.36	128	112545	23.543	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	53745	22.598	ug/l	99

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

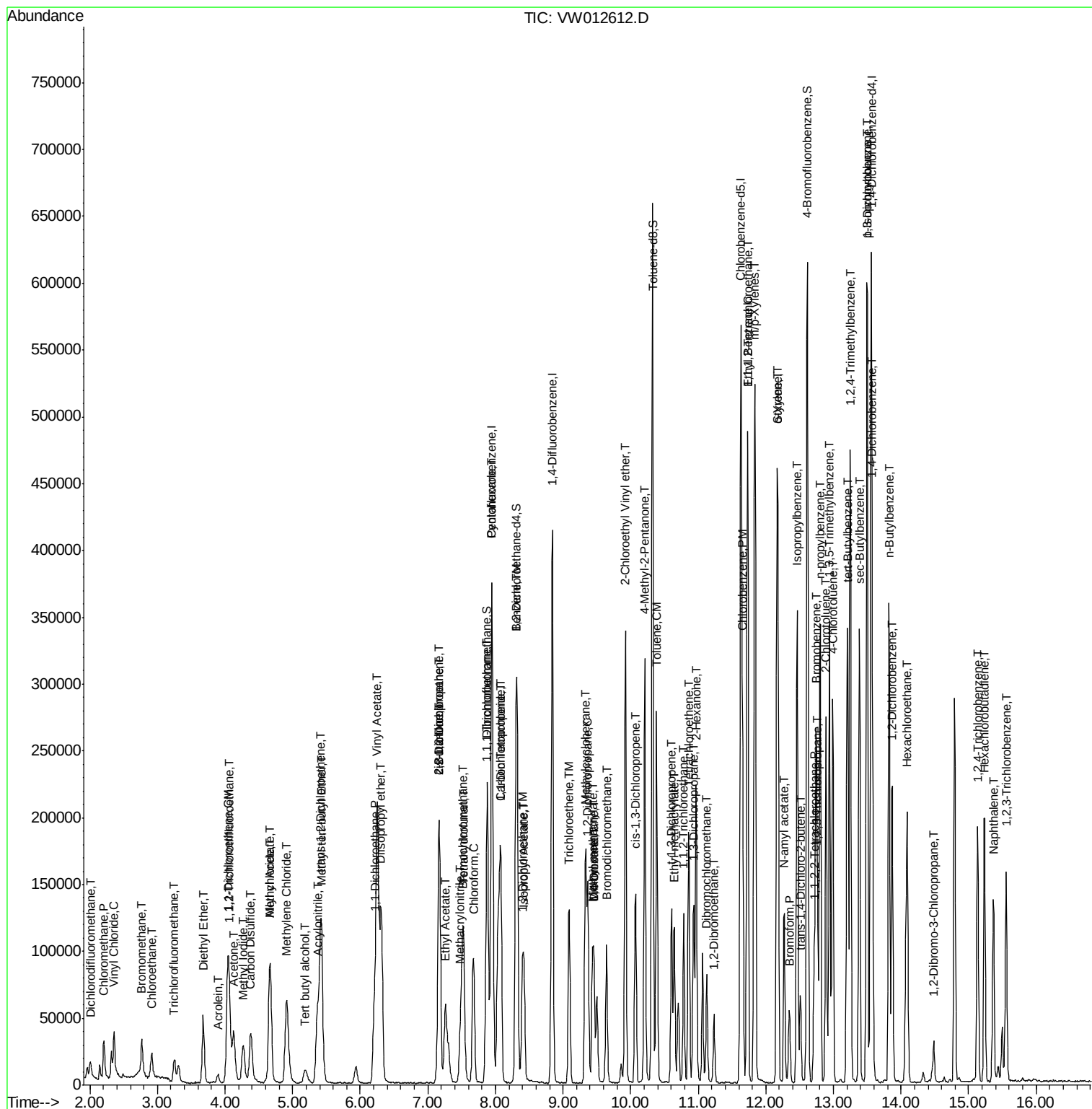
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Data File : VW012612.D
Acq On : 05 Sep 2019 02:15
Operator : SY/VA
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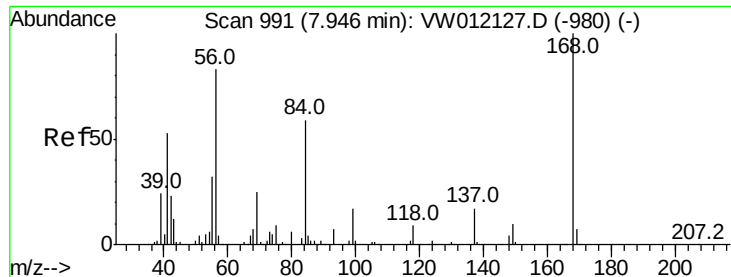
Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion:168 Resp: 194926

Ion Ratio Lower Upper

168 100

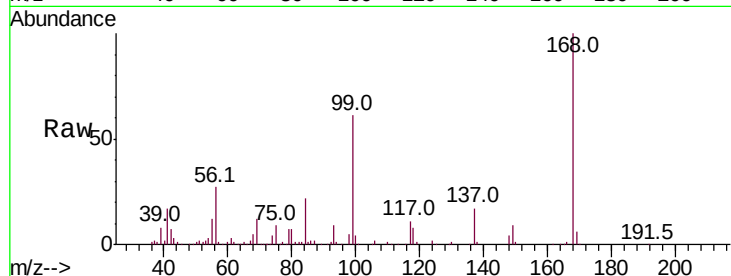
99 60.9 49.2 73.8

Manual Integrations

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9/7/2019 12:46:16 AM



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

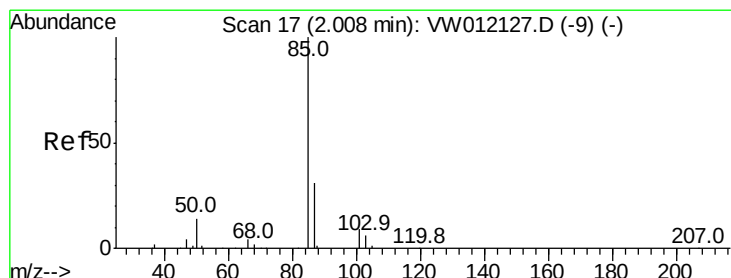
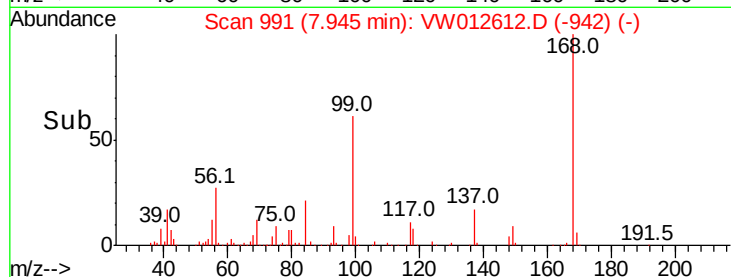
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 15.825 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012612.D

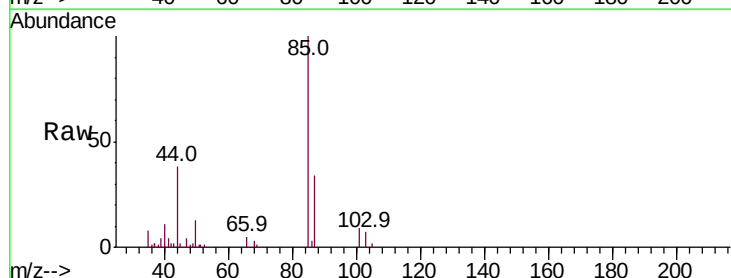
Acq: 05 Sep 2019 02:15

Tgt Ion: 85 Resp: 18994

Ion Ratio Lower Upper

85 100

87 33.8 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

6000

4000

2000

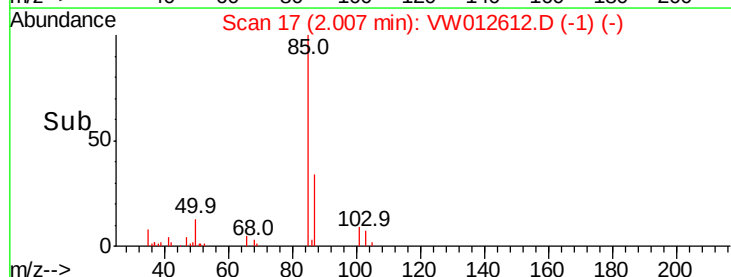
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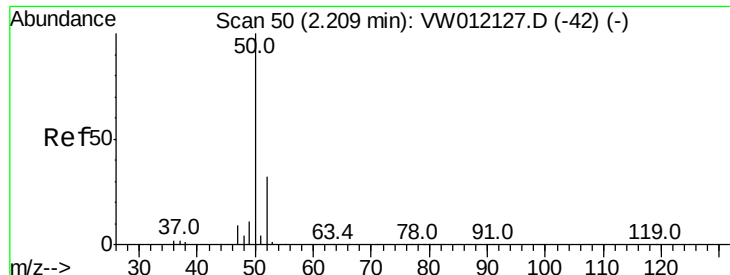
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 15.448 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion: 50 Resp: 28726

Ion Ratio Lower Upper

50 100

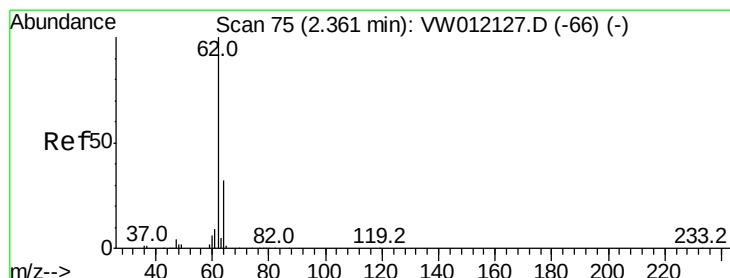
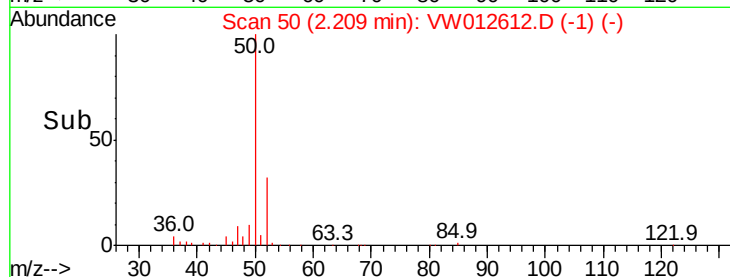
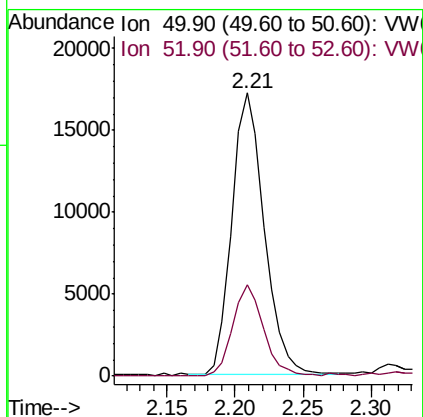
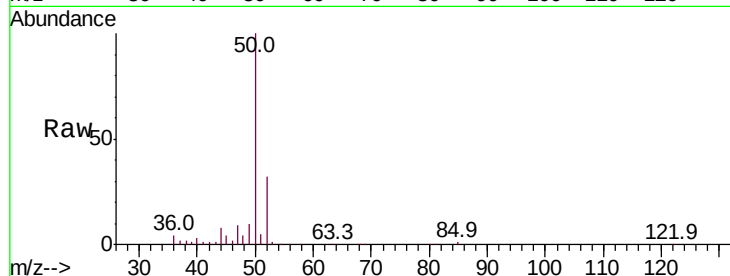
52 32.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 14.250 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012612.D

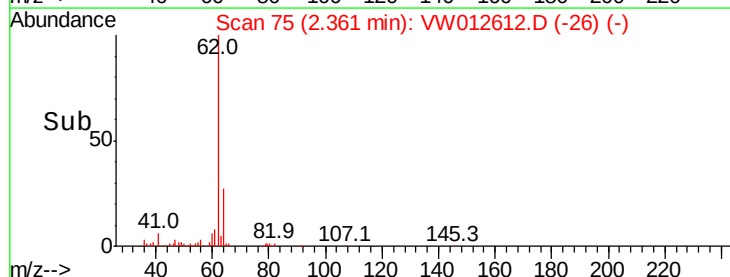
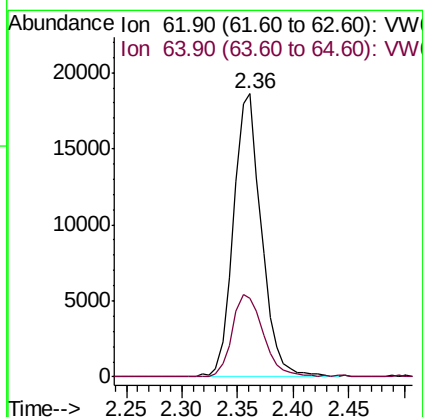
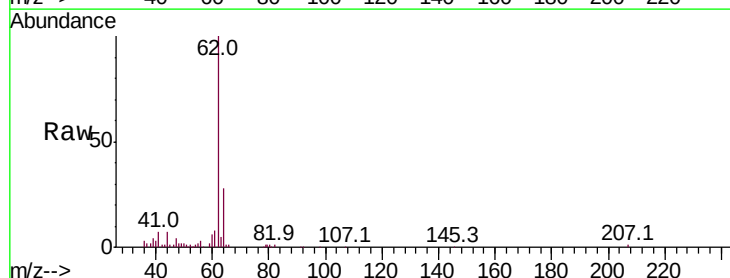
Acq: 05 Sep 2019 02:15

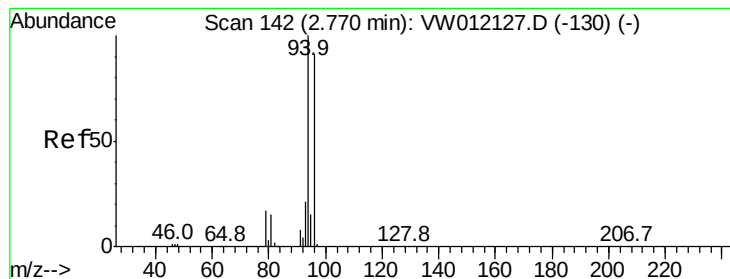
Tgt Ion: 62 Resp: 32432

Ion Ratio Lower Upper

62 100

64 27.6 25.3 37.9





#5

Bromomethane

Concen: 17.171 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

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ClientSampleId :

VW0904SBSD02

Tot Ion: 94 Resp: 19792

Ion Ratio Lower Upper

94 100

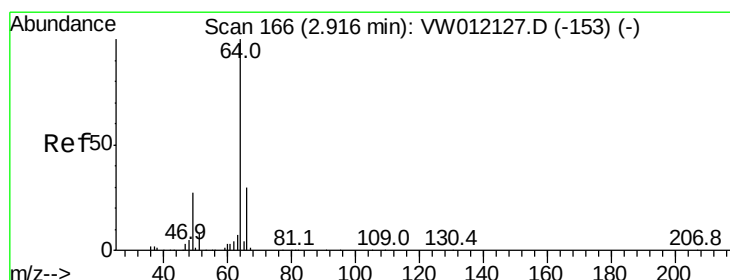
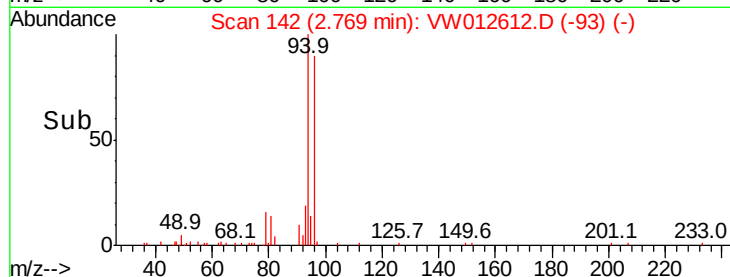
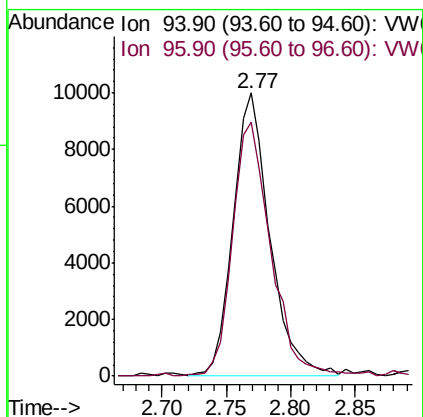
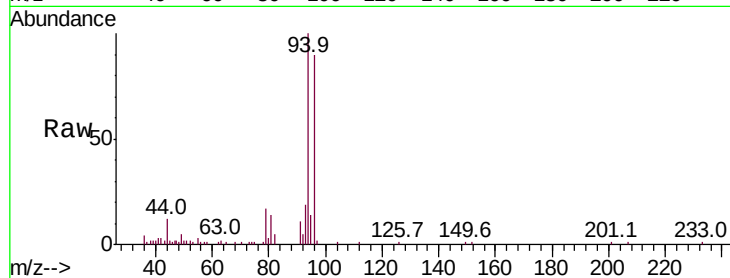
96 88.9 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 16.331 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012612.D

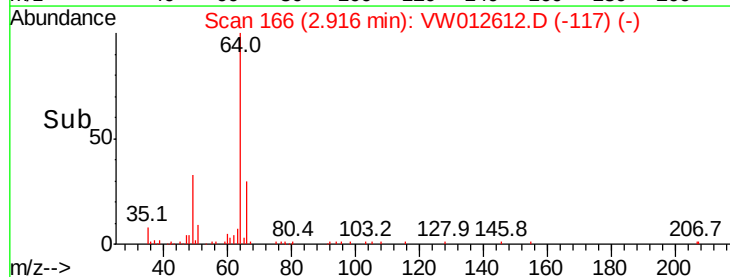
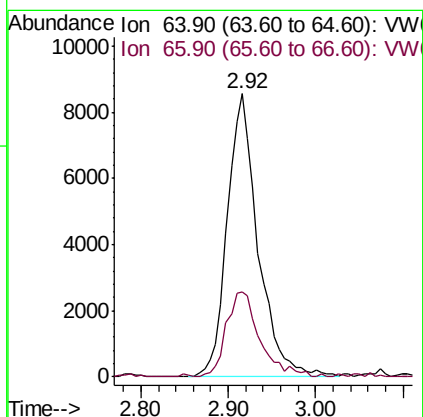
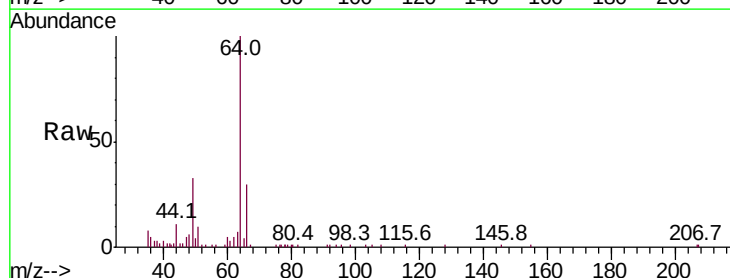
Acq: 05 Sep 2019 02:15

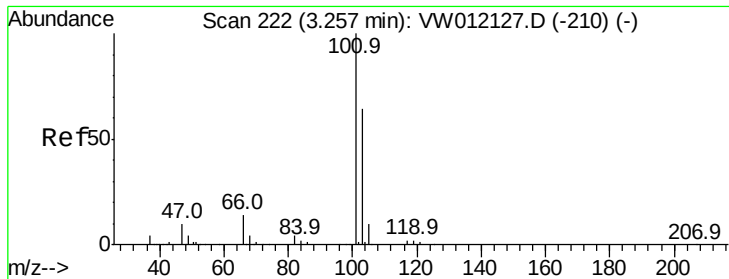
Tgt Ion: 64 Resp: 20968

Ion Ratio Lower Upper

64 100

66 29.0 23.8 35.8





#7

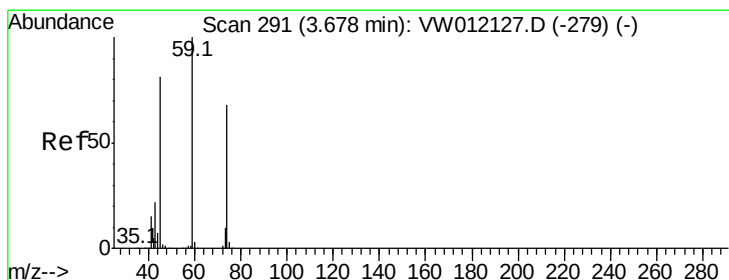
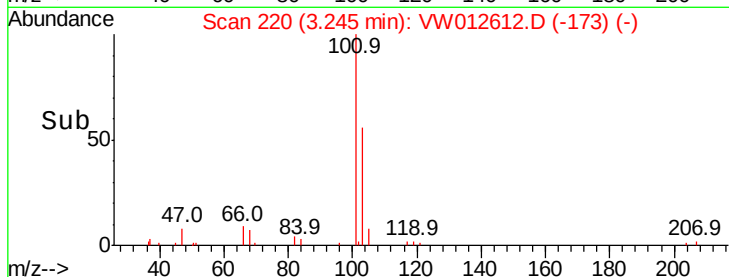
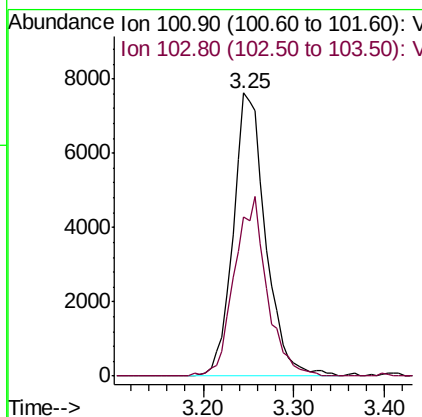
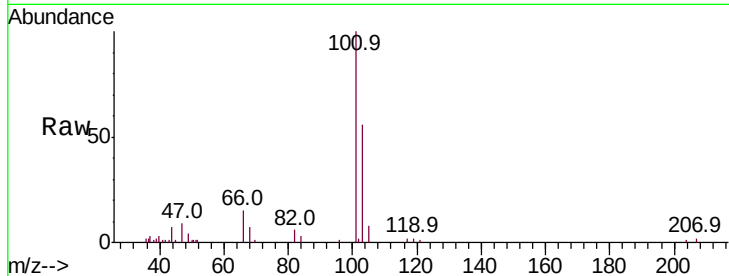
Trichlorofluoromethane
 Concen: 16.521 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	18881		
103	56.0		51.2	76.8

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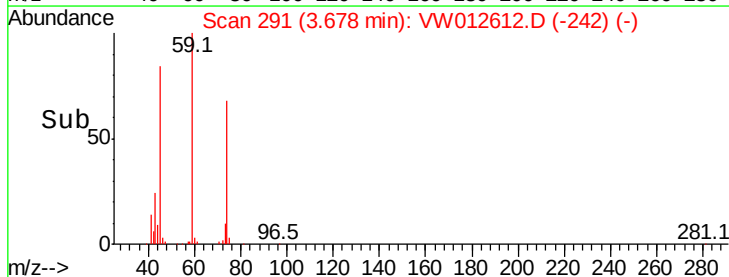
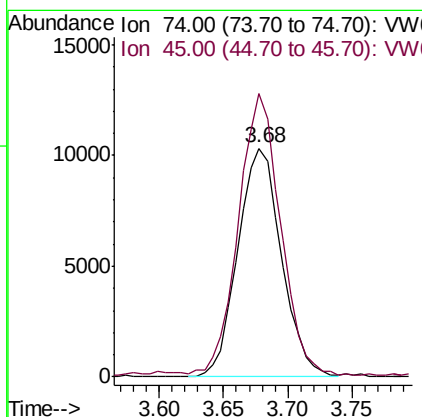
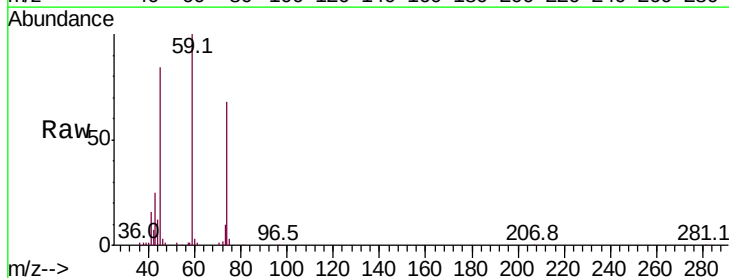
MMDadoda
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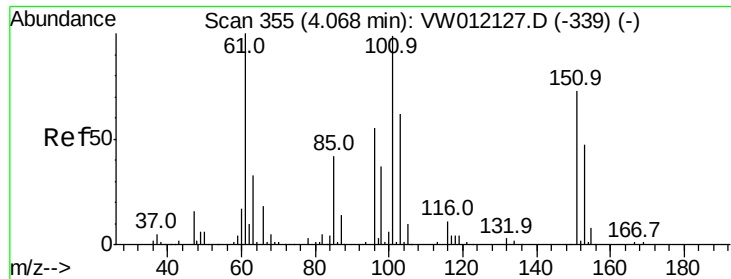


#8

Diethyl Ether
 Concen: 22.303 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	24193		
45	119.8		59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.682 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

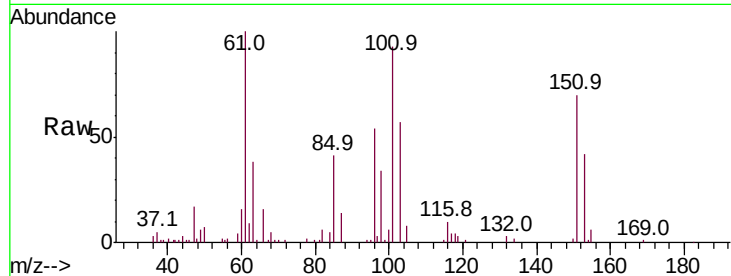
ClientSampleId :

VW0904SBSD02

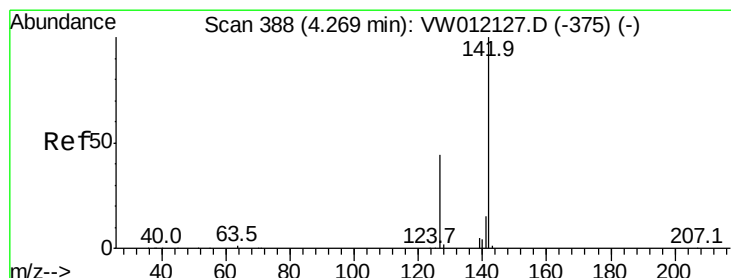
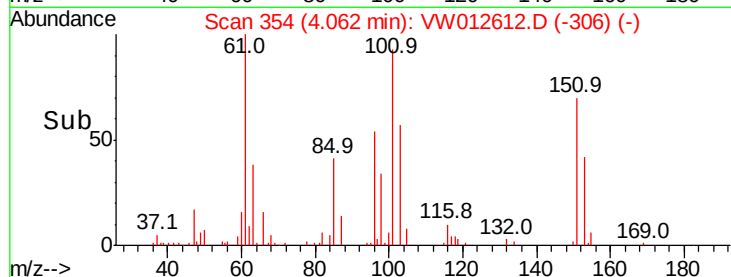
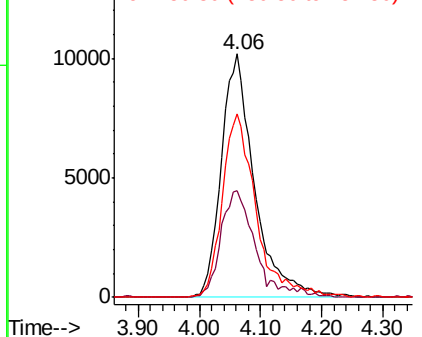
Tot Ion:	101	Resp:	38234
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.8	53.6
151	76.2	58.6	87.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.133 ug/l

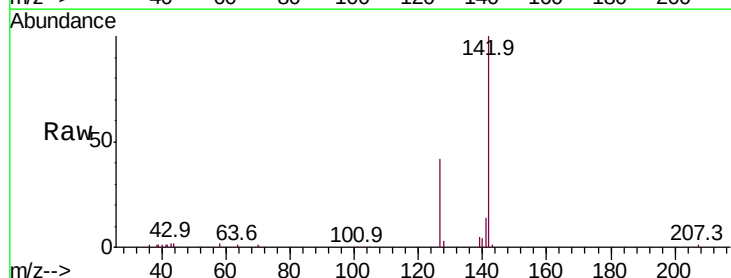
RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

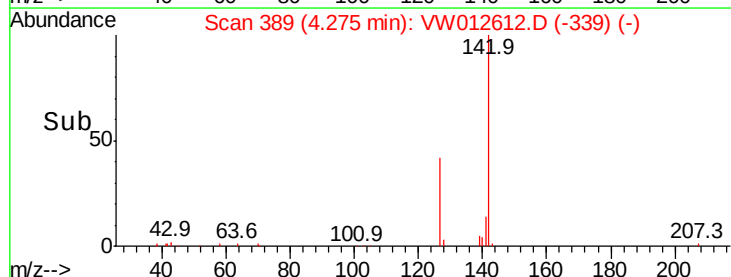
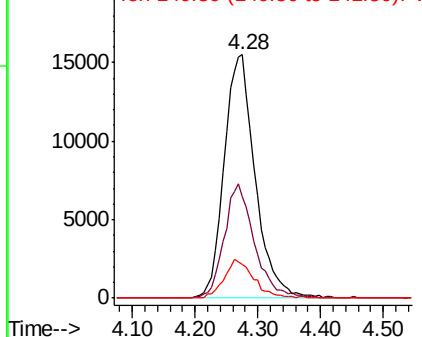
Lab File: VW012612.D

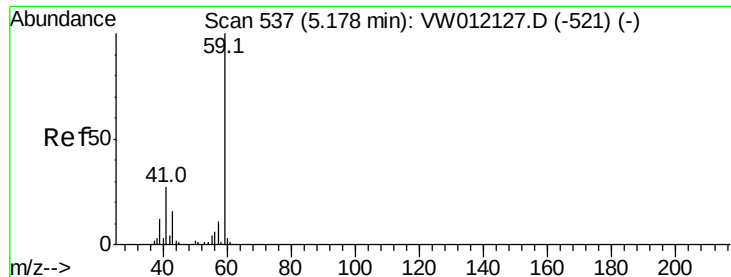
Acq: 05 Sep 2019 02:15

Tgt Ion:	142	Resp:	52916
Ion Ratio	Lower	Upper	
142	100		
127	45.6	35.5	53.3
141	15.0	11.8	17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 142.878 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W

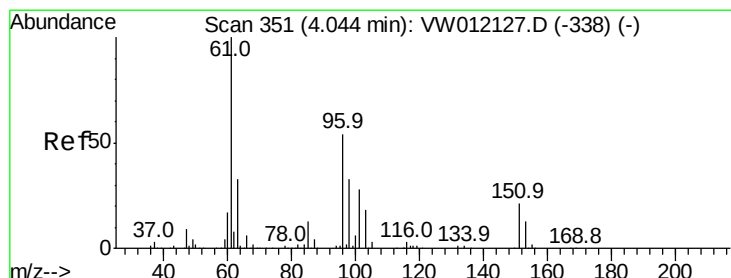
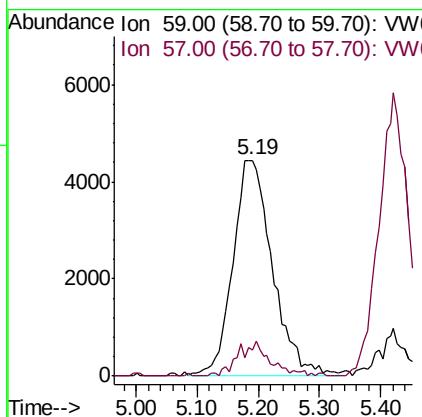
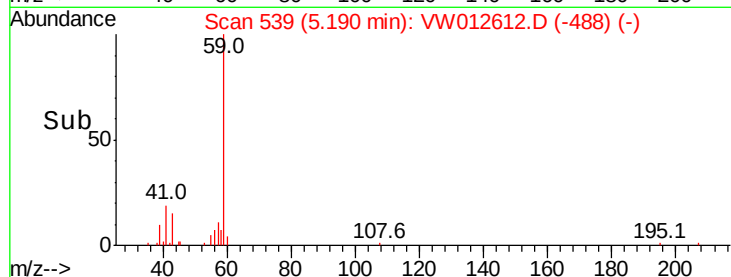
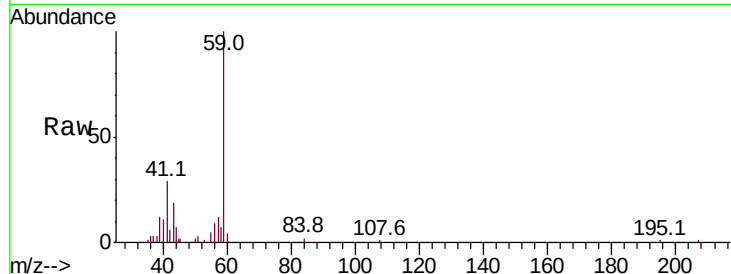
ClientSampleId :
VW0904SBSD02

Tot Ion: 59 Resp: 19924

Ion	Ratio	Lower	Upper
59	100		
57	4.6	9.0	13.4#

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#12

1,1-Dichloroethene

Concen: 17.738 ug/l

RT: 4.04 min Scan# 351

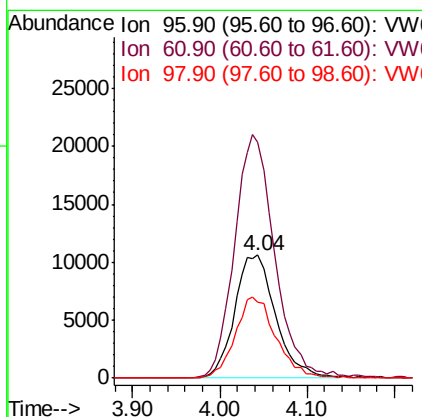
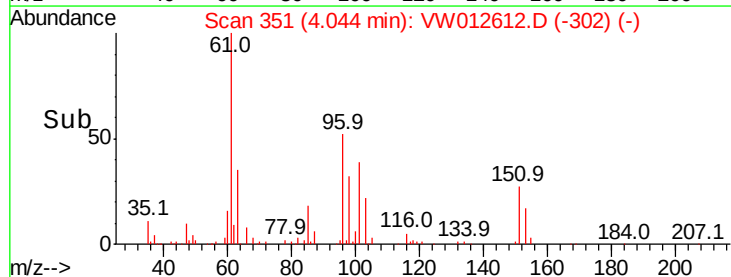
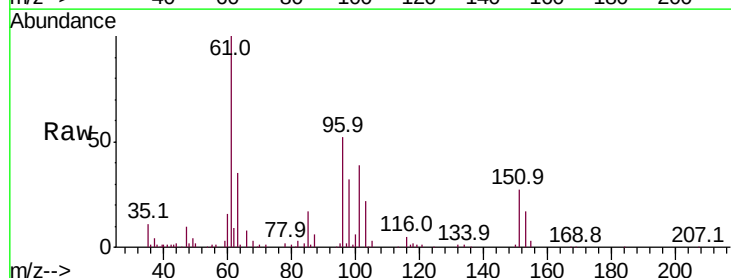
Delta R.T. -0.00 min

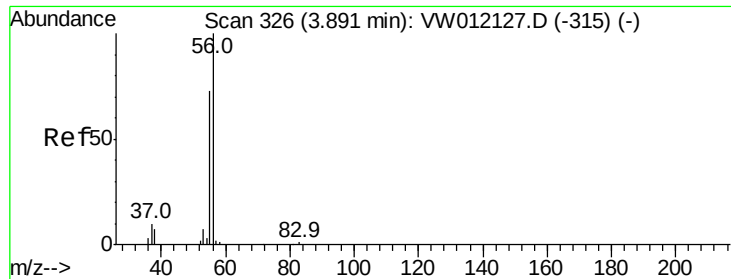
Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Tgt Ion: 96 Resp: 34682

Ion	Ratio	Lower	Upper
96	100		
61	191.5	149.1	223.7
98	61.4	49.4	74.2





#13

Acrolein

Concen: 63.543 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion: 56 Resp: 8341

Ion Ratio Lower Upper

56 100

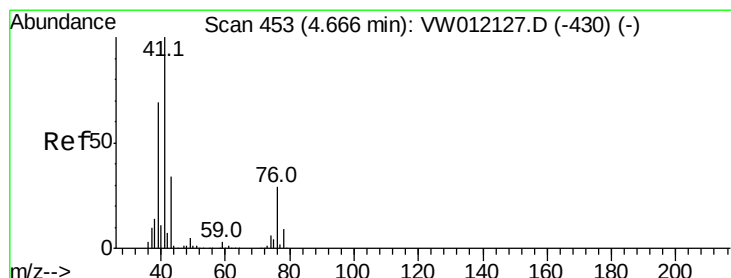
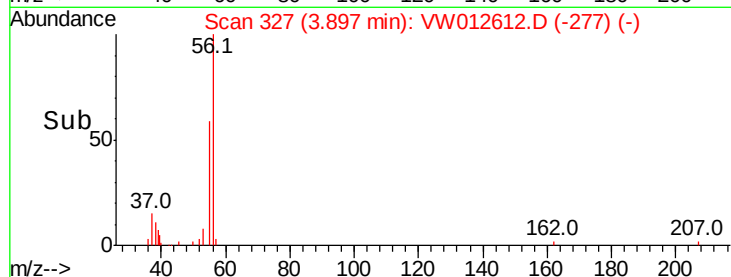
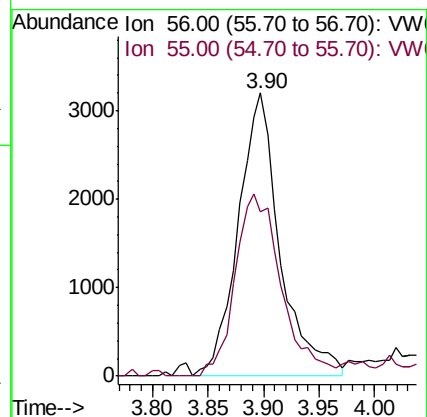
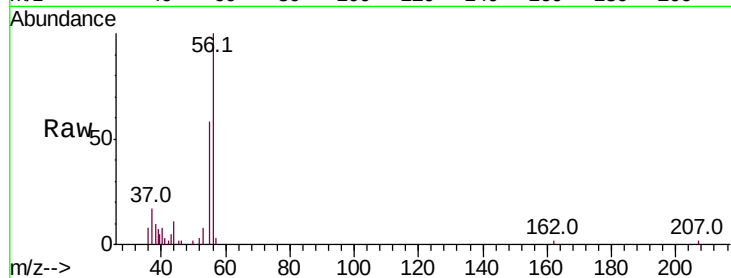
55 70.8 55.8 83.8

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#14

Allyl chloride

Concen: 18.486 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

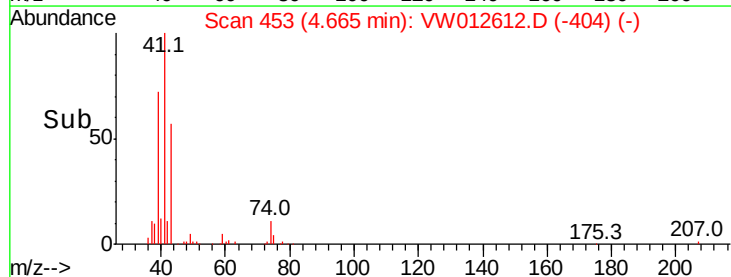
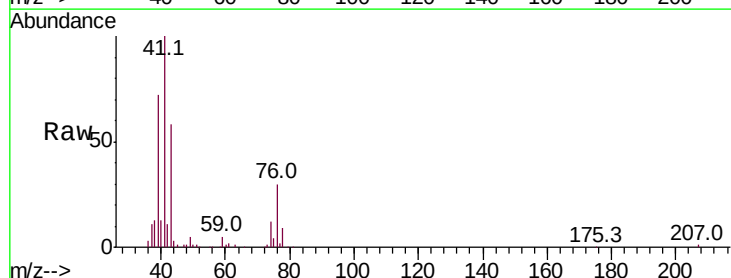
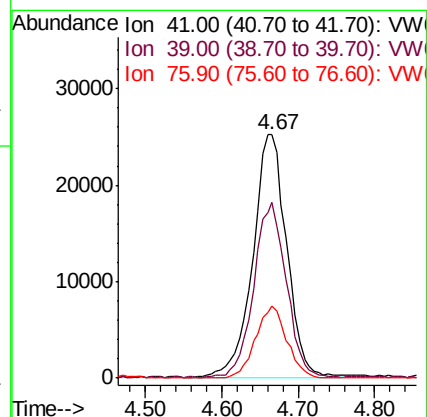
Tgt Ion: 41 Resp: 77272

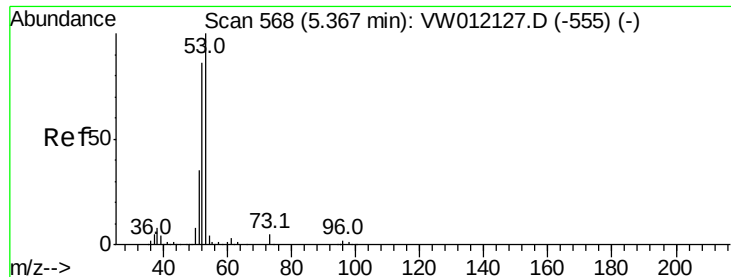
Ion Ratio Lower Upper

41 100

39 69.6 53.4 80.2

76 27.6 22.1 33.1





#15

Acrylonitrile

Concen: 128.660 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

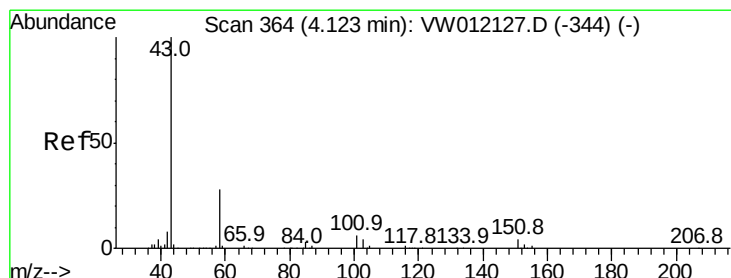
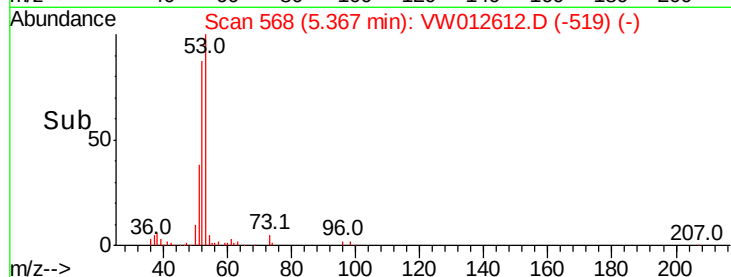
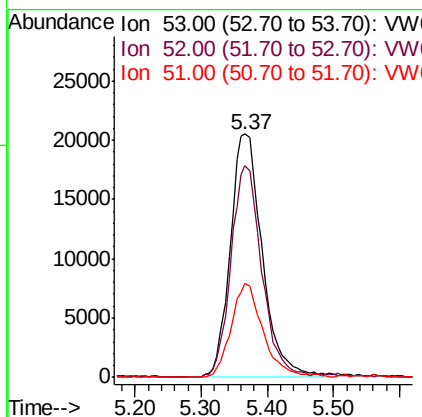
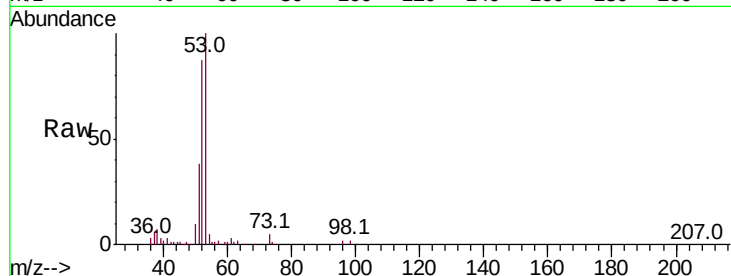
ClientSampleId :

VW0904SBSD02

Tot Ion:	53	Resp:	69177
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.7	100.1
51	38.3	30.1	45.1

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#16

Acetone

Concen: 103.877 ug/l

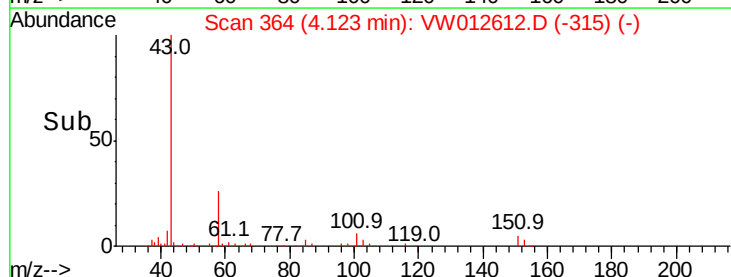
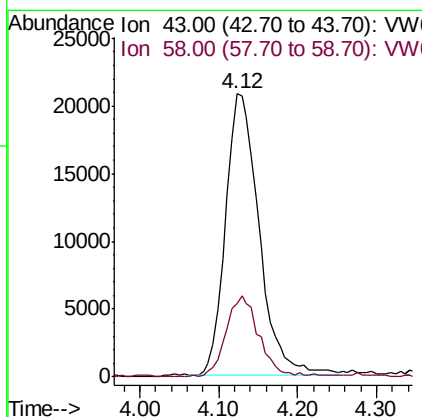
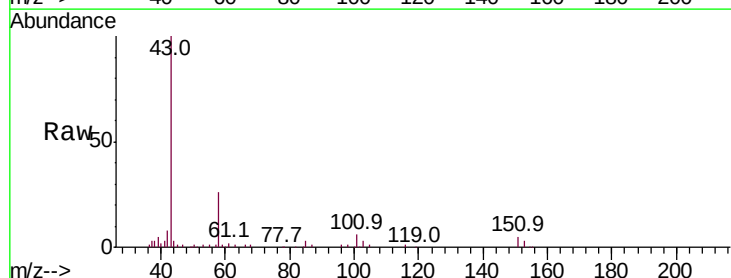
RT: 4.12 min Scan# 364

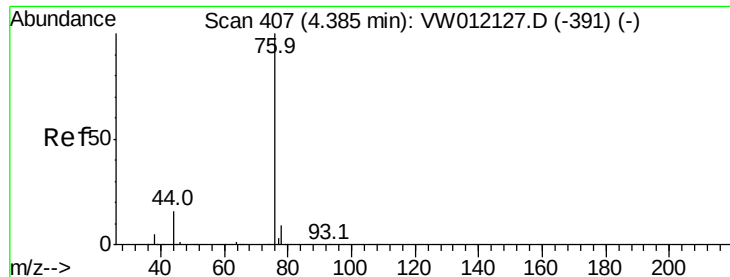
Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Tgt Ion:	43	Resp:	61529
Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.4	33.6





#17

Carbon Disulfide

Concen: 13.817 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion: 76 Resp: 81647

Ion Ratio Lower Upper

76 100

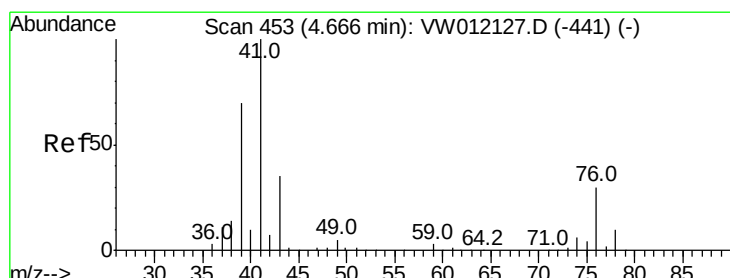
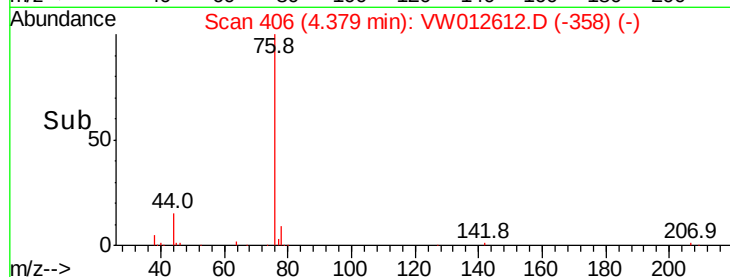
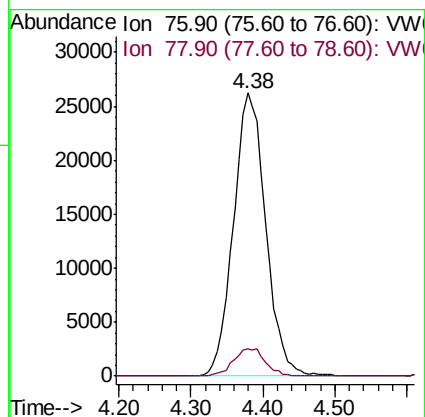
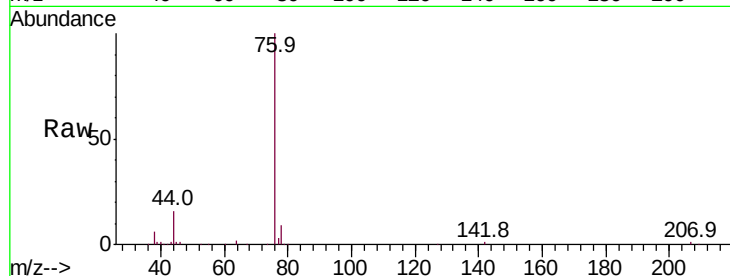
78 9.5 7.3 10.9

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#18

Methyl Acetate

Concen: 32.428 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012612.D

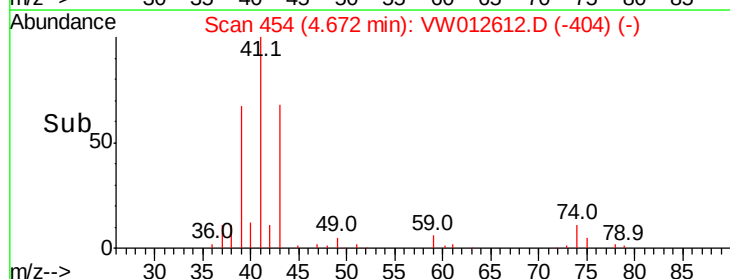
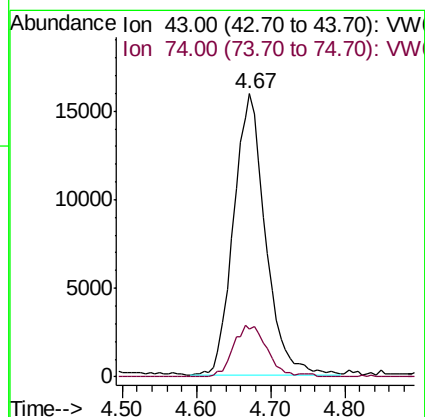
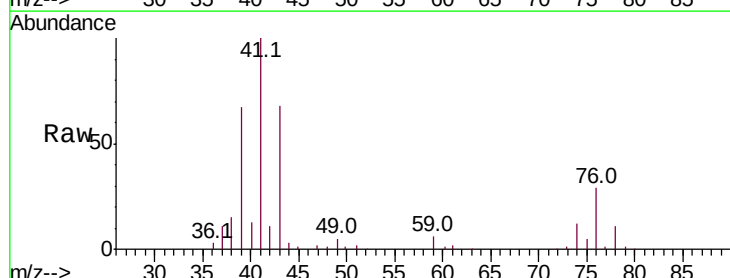
Acq: 05 Sep 2019 02:15

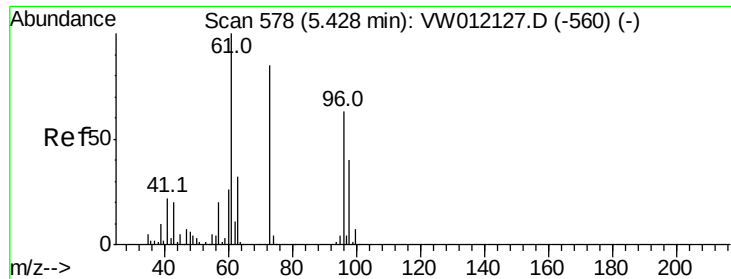
Tgt Ion: 43 Resp: 47575

Ion Ratio Lower Upper

43 100

74 19.1 15.7 23.5





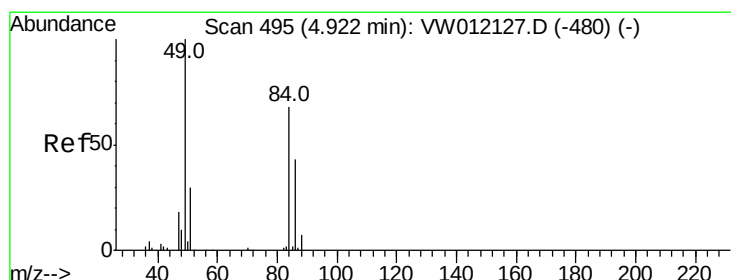
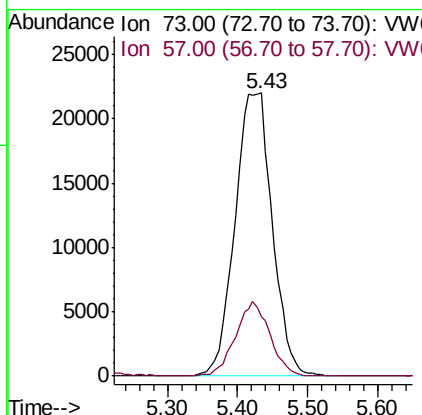
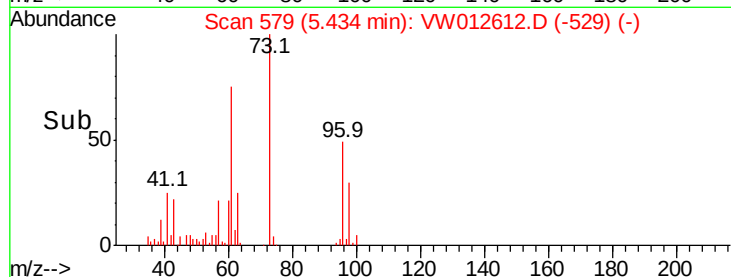
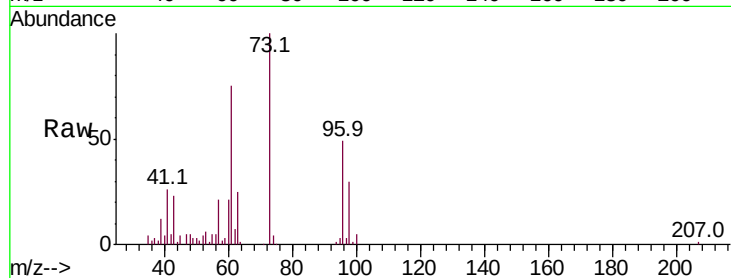
#19
Methyl tert-butyl Ether
Concen: 25.769 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion: 73 Resp: 81478
Ion Ratio Lower Upper
73 100
57 20.8 18.9 28.3

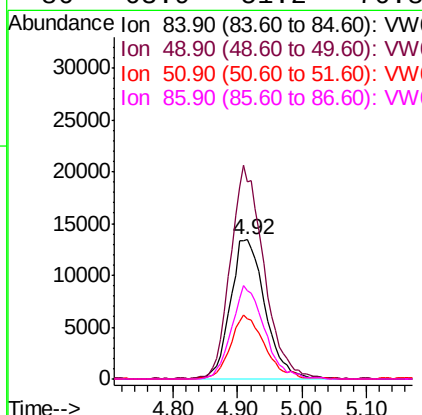
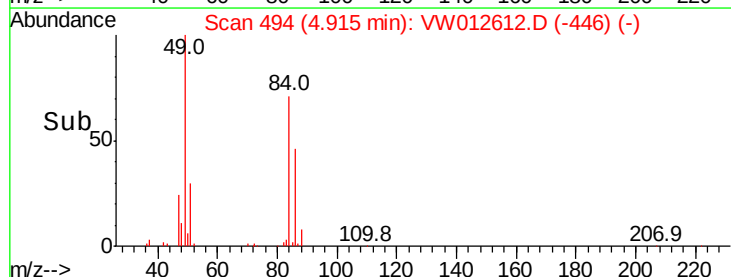
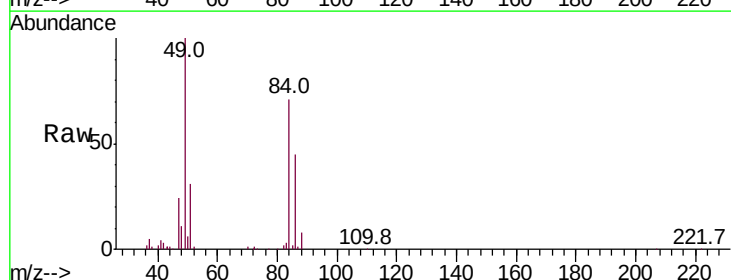
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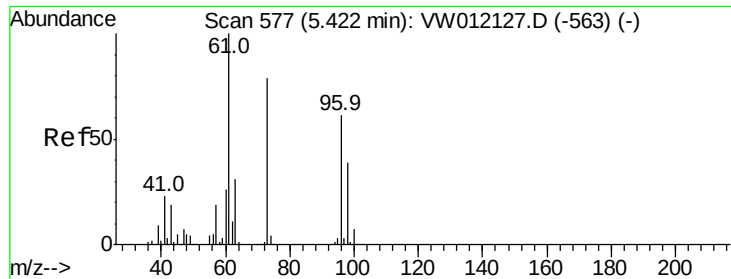
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#20
Methylene Chloride
Concen: 22.484 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion: 84 Resp: 50347
Ion Ratio Lower Upper
84 100
49 141.2 117.8 176.8
51 43.3 35.6 53.4
86 63.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.362 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion: 96 Resp: 40596

Ion Ratio Lower Upper

96 100

61 161.8 131.4 197.0

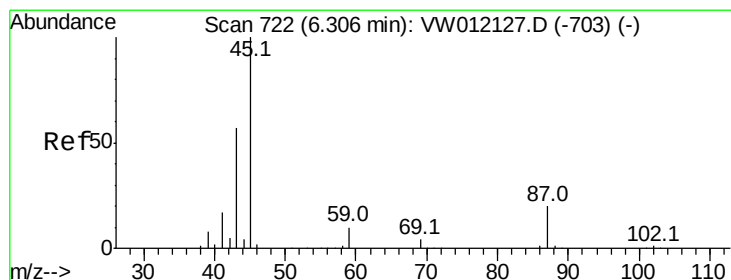
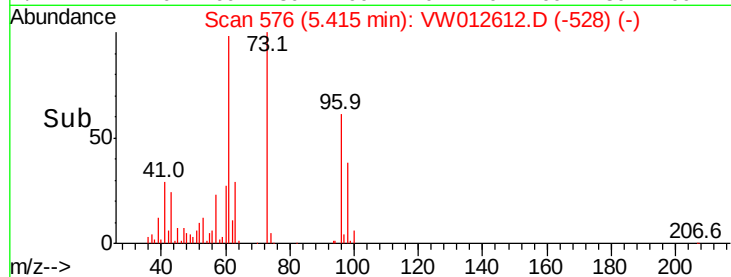
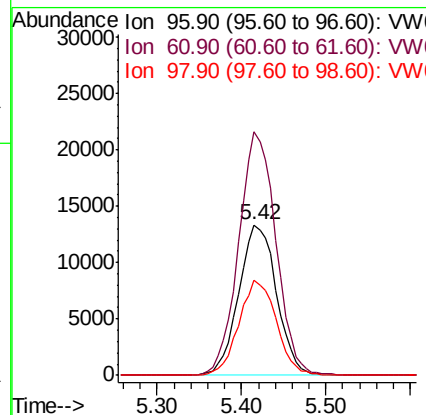
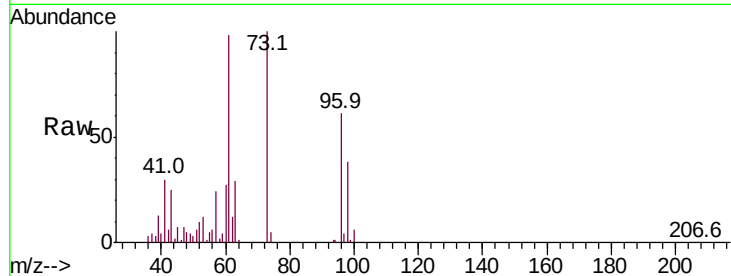
98 62.9 51.4 77.0

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#22

Diisopropyl ether

Concen: 22.698 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Tgt Ion: 45 Resp: 175861

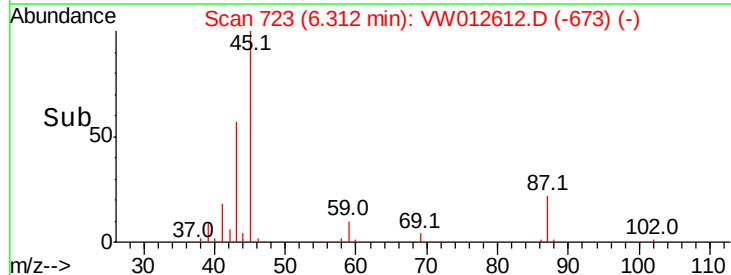
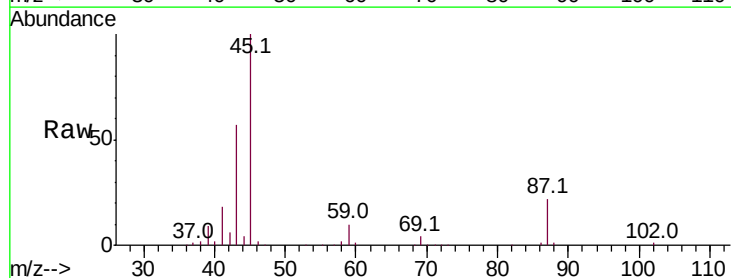
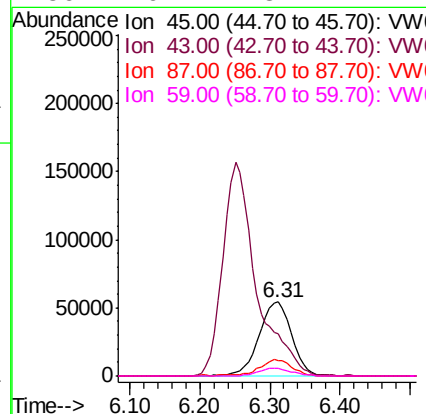
Ion Ratio Lower Upper

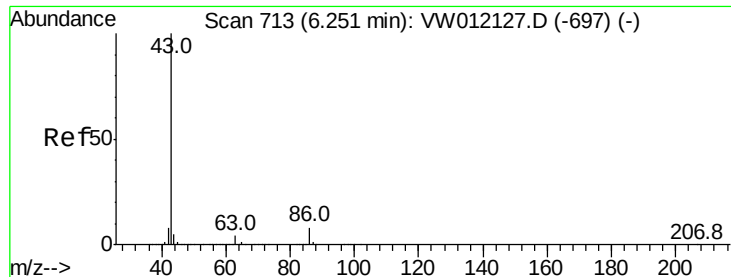
45 100

43 56.4 45.5 68.3

87 21.6 16.1 24.1

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 109.411 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampled :

VW0904SBSD02

Tot Ion: 43 Resp: 521689

Ion Ratio Lower Upper

43 100

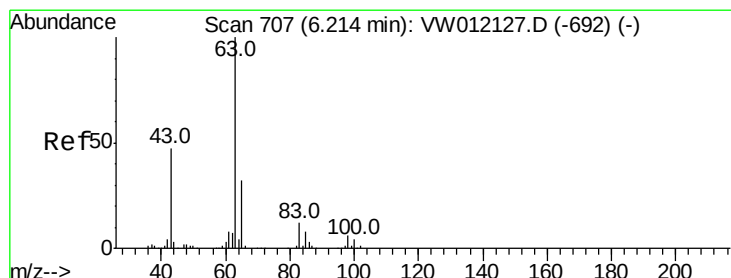
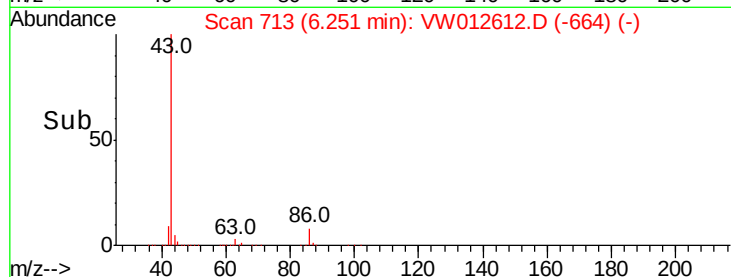
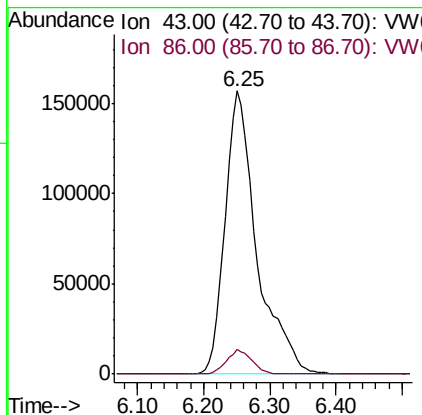
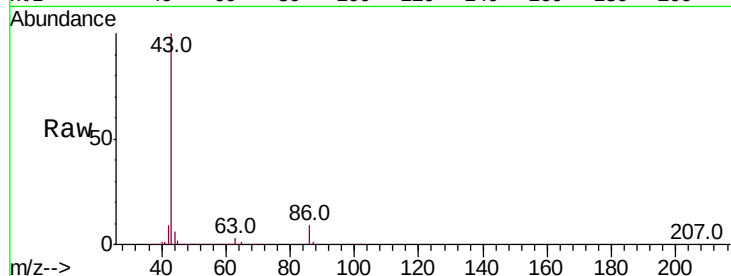
86 8.6 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 21.237 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

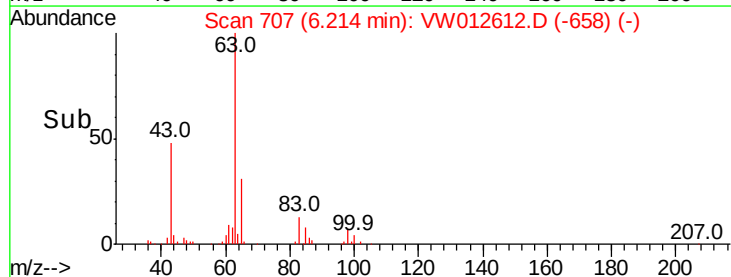
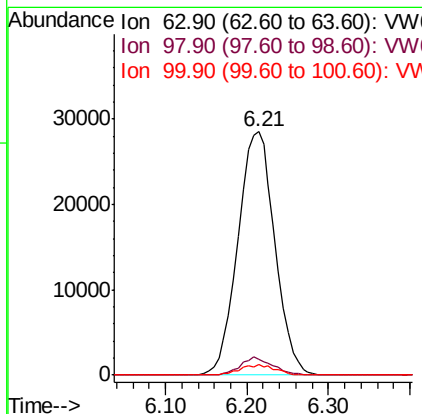
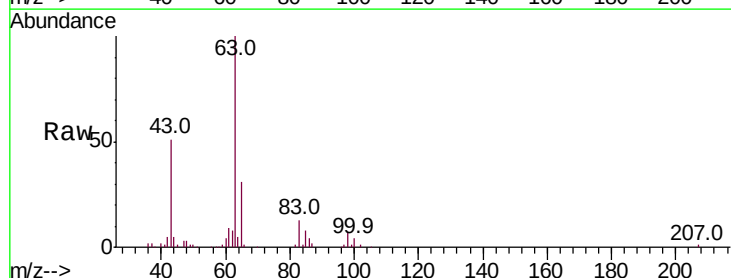
Tgt Ion: 63 Resp: 89592

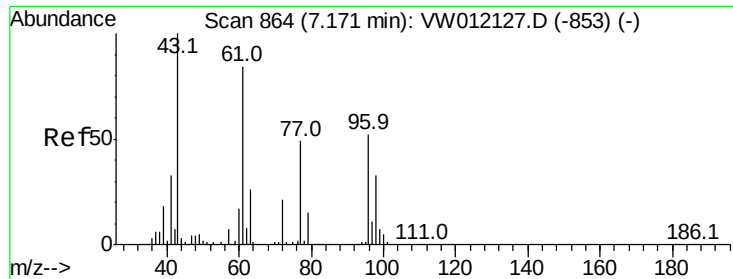
Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 121.636 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion: 43 Resp: 97905

Ion Ratio Lower Upper

43 100

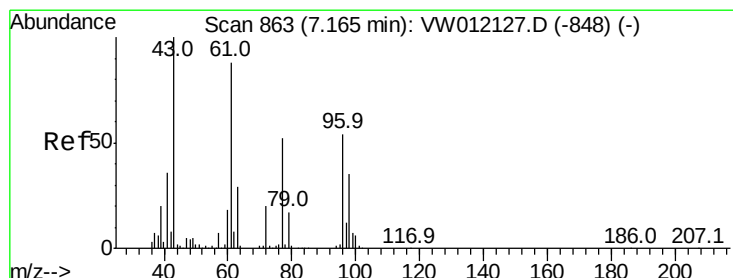
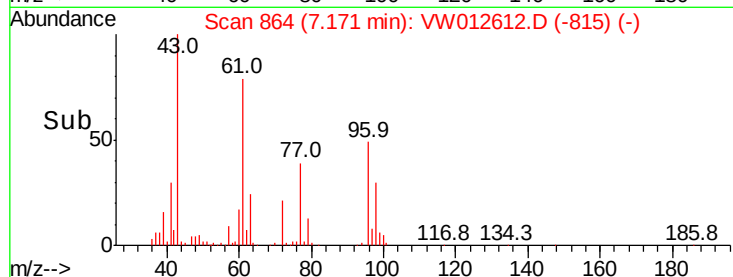
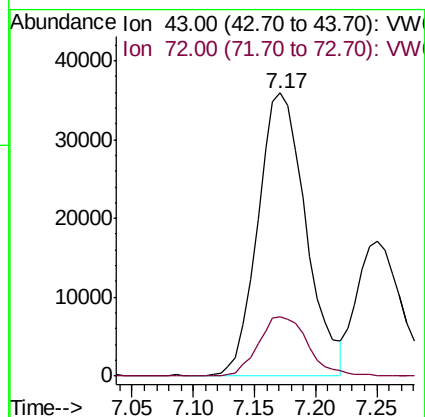
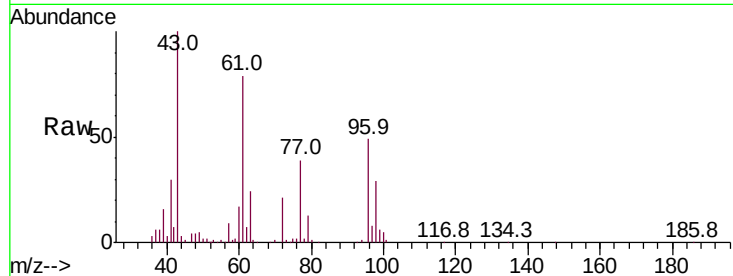
72 20.9 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.390 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012612.D

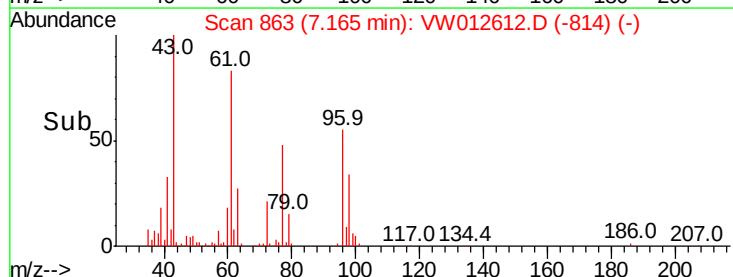
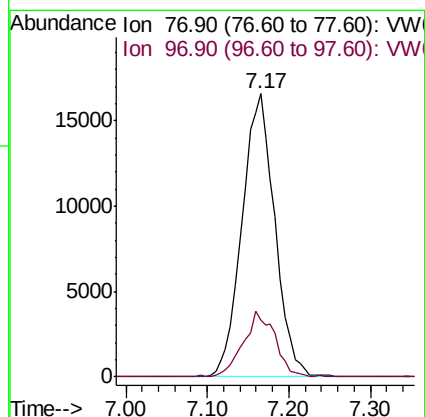
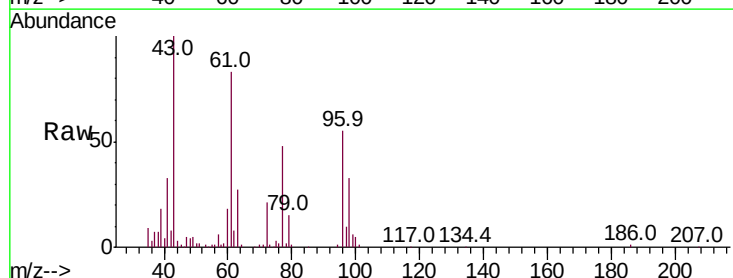
Acq: 05 Sep 2019 02:15

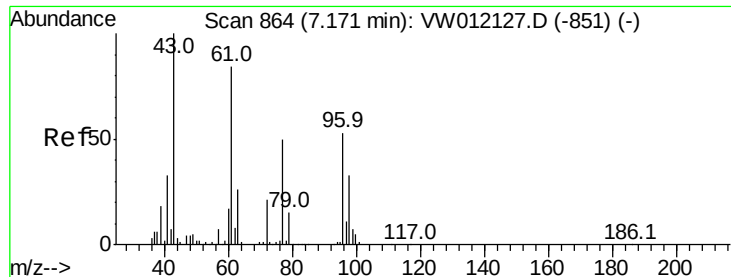
Tgt Ion: 77 Resp: 46299

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





#27

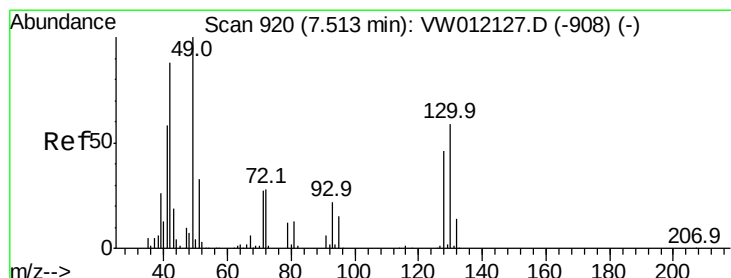
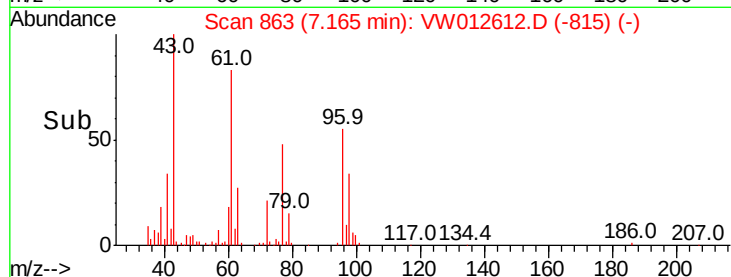
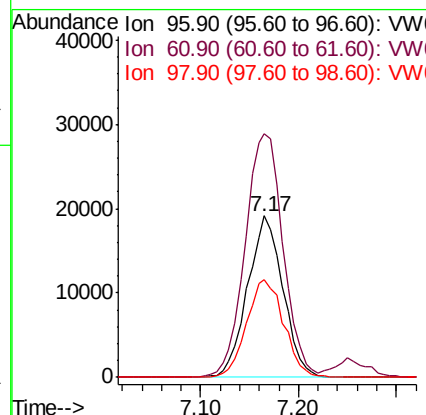
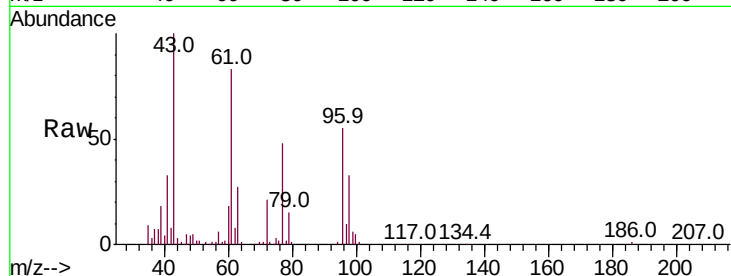
cis-1,2-Dichloroethene
Concen: 21.563 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	326.6
98	63.6	0.0	127.4

Manual Integrations
APPROVED

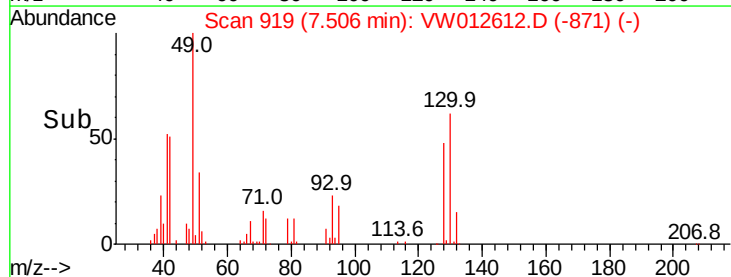
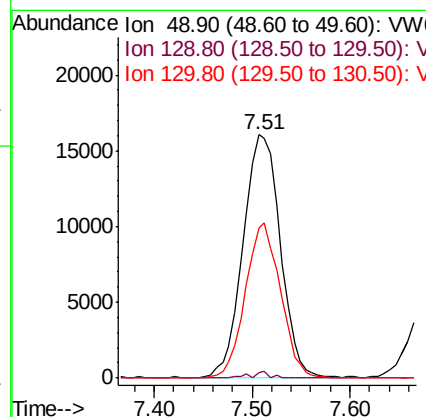
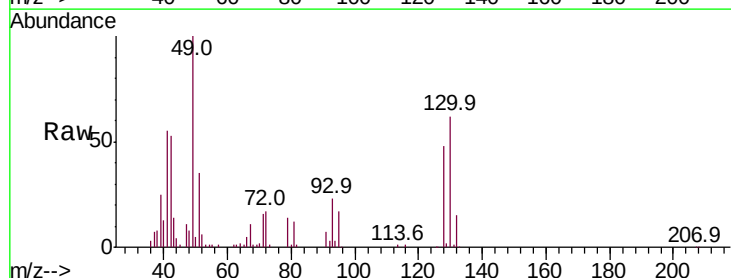
MMDadoda
9/7/2019 12:46:16 AM

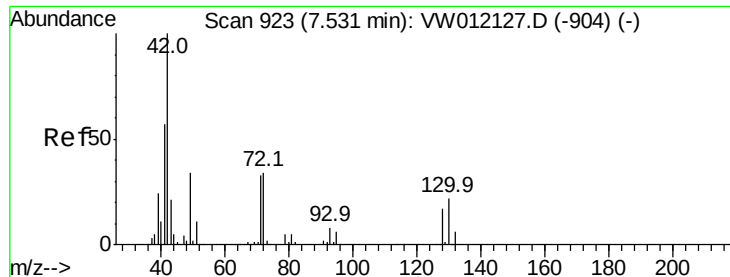


#28

Bromochloromethane
Concen: 23.178 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.4
130	60.0	45.5	68.3





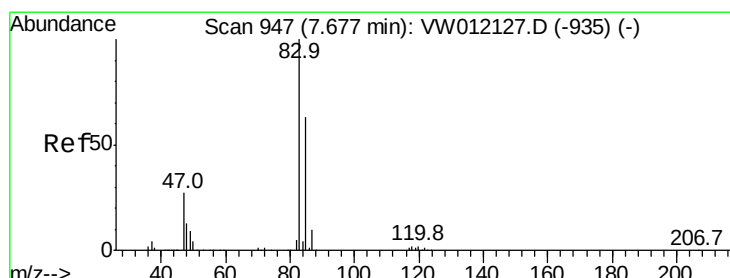
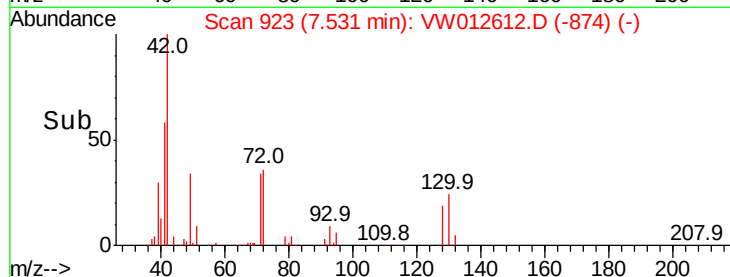
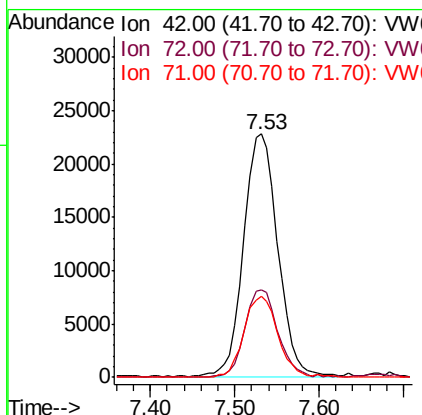
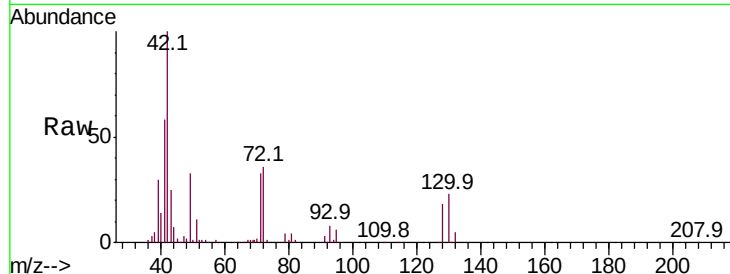
#29
Tetrahydrofuran
Concen: 129.800 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.3	40.9
71	33.3	25.5	38.3

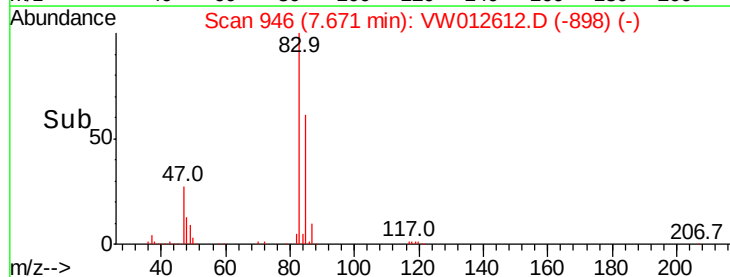
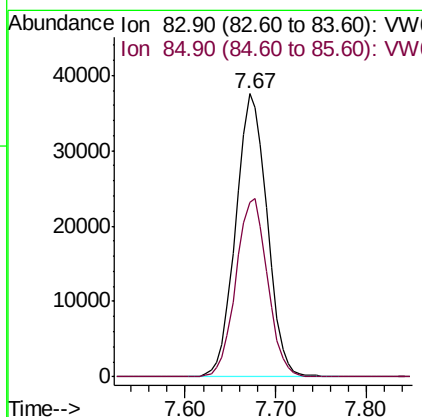
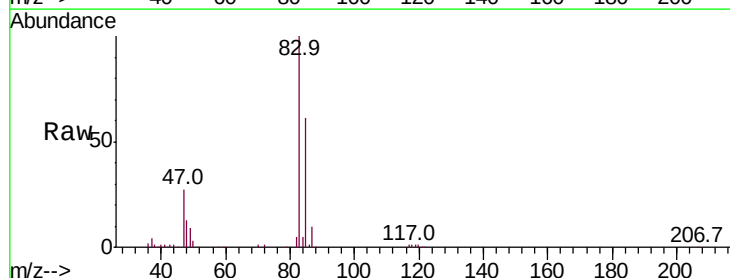
Manual Integrations
APPROVED

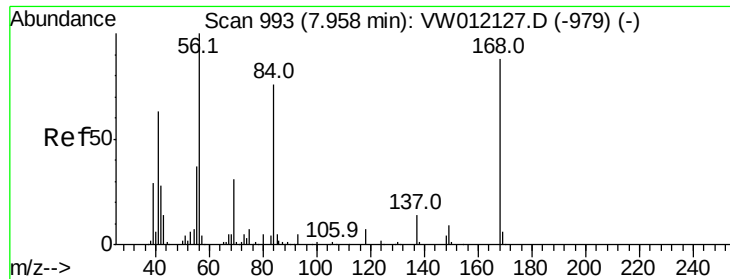
MMDadoda
9/7/2019 12:46:16 AM



#30
Chloroform
Concen: 23.325 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.6	76.0





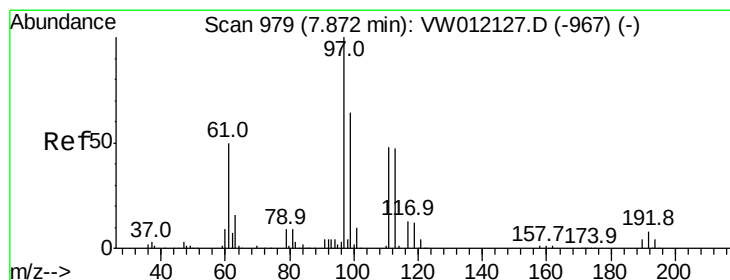
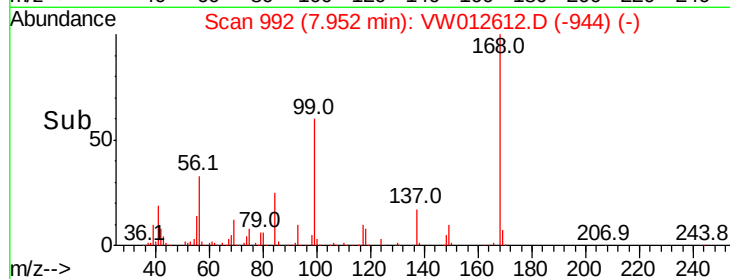
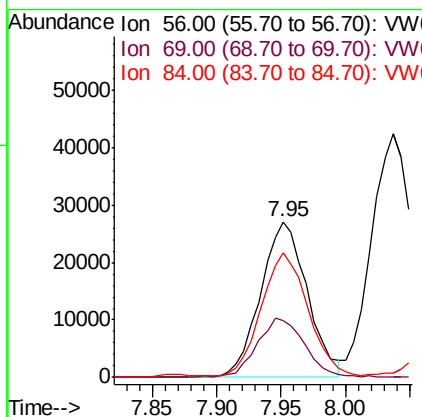
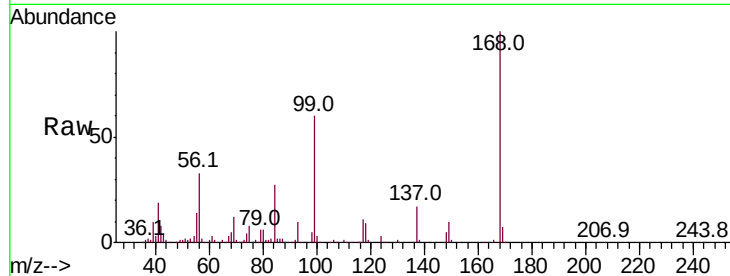
#31
Cyclohexane
Concen: 16.318 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	24.9	37.3
84	78.6	60.6	90.8

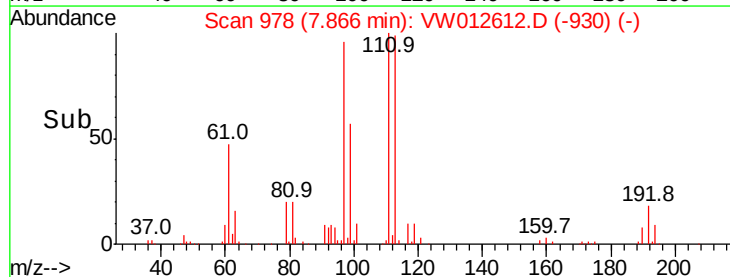
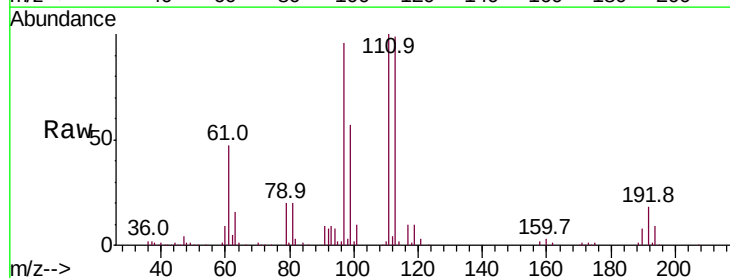
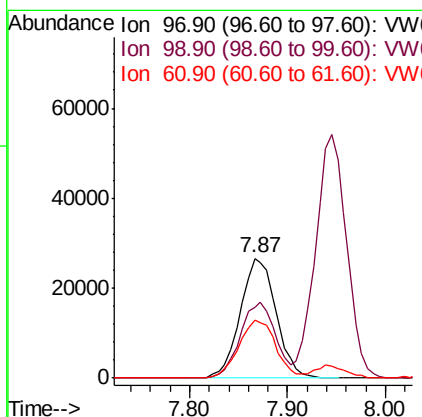
Manual Integrations
APPROVED

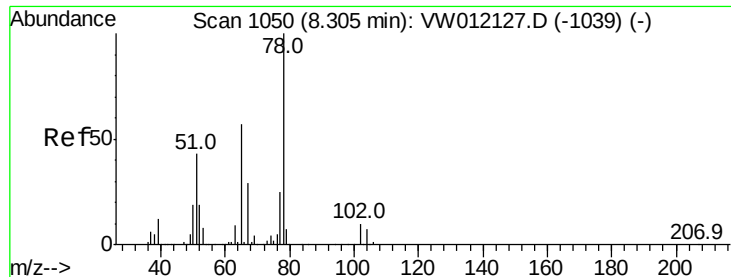
MMDadoda
9/7/2019 12:46:16 AM



#32
1,1,1-Trichloroethane
Concen: 22.061 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.4	77.0
61	50.1	39.5	59.3





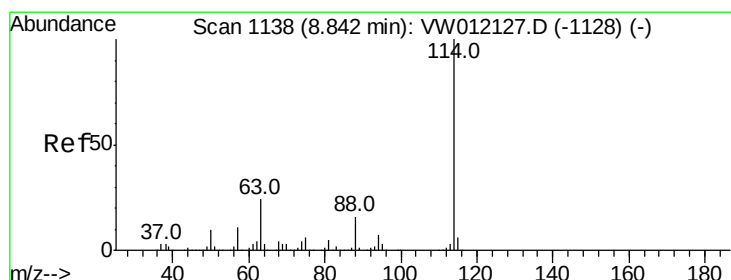
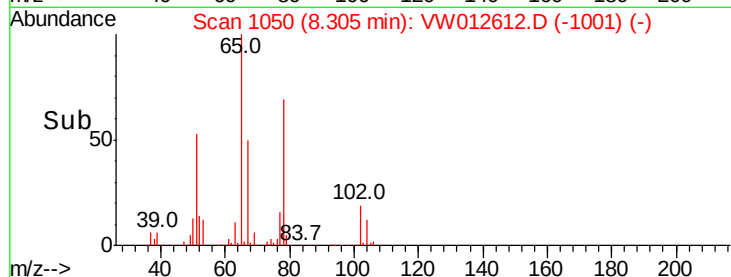
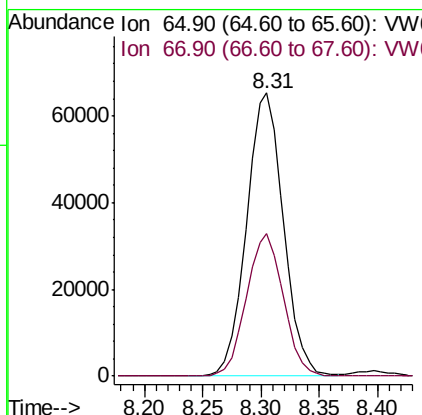
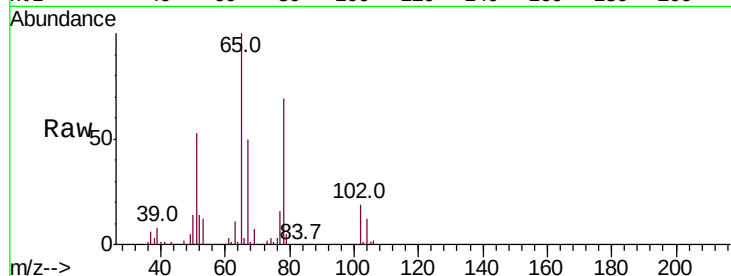
#33
 1,2-Dichloroethane-d4
 Concen: 62.051 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

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

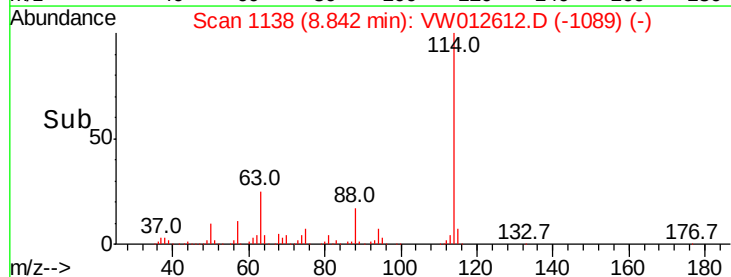
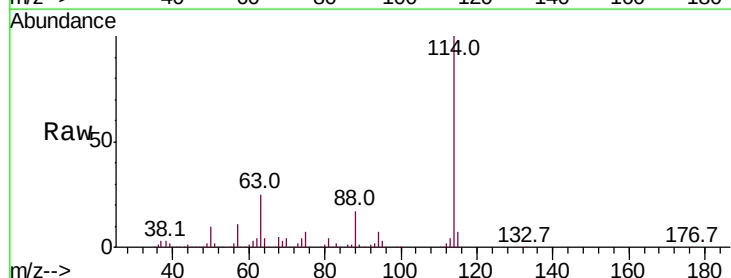
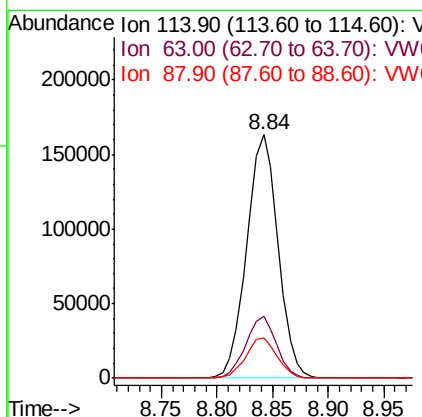
Manual Integrations
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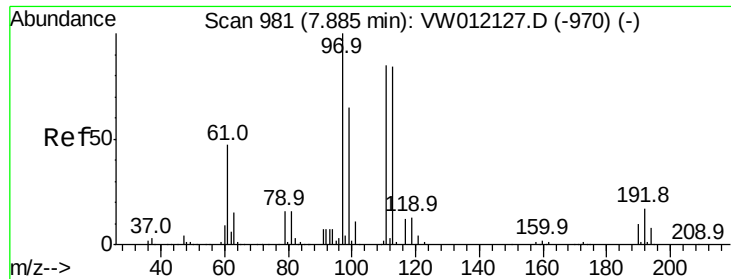
MMDadoda
 9/7/2019 12:46:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.2	0.0	48.6	
88	16.6	0.0	32.2	





#35

Dibromofluoromethane

Concen: 56.846 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

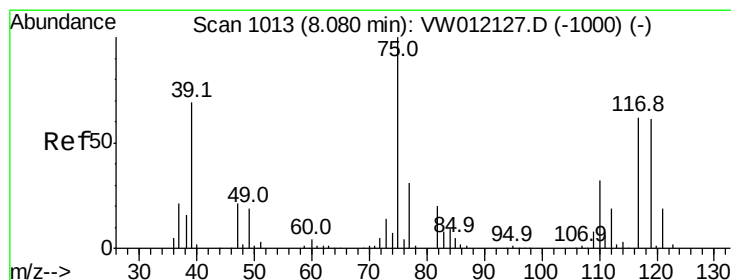
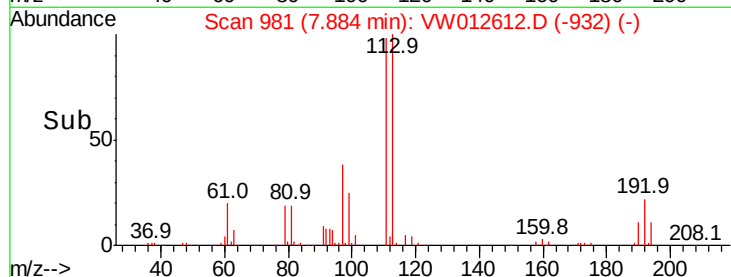
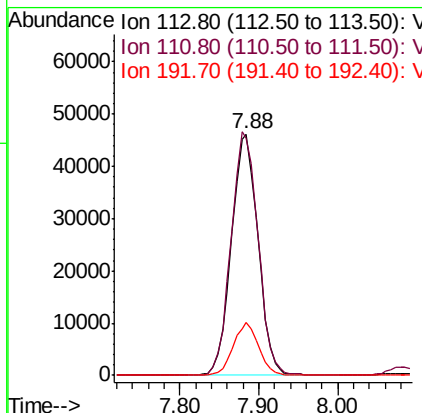
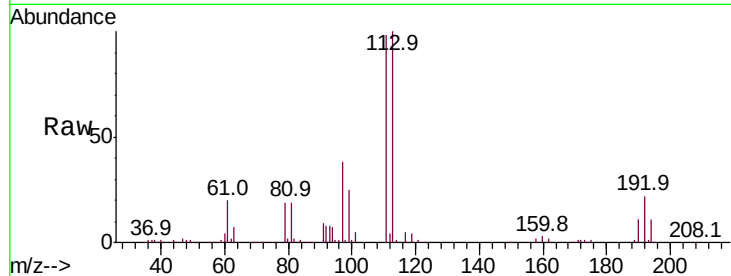
ClientSampleId :

VW0904SBSD02

Tot Ion:	113	Resp:	108718
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.7	124.1
192	20.7	16.2	24.2

Manual Integrations
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9/7/2019 12:46:16 AM



#36

1,1-Dichloropropene

Concen: 18.540 ug/l

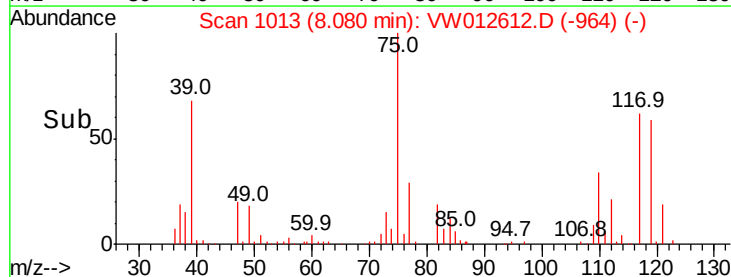
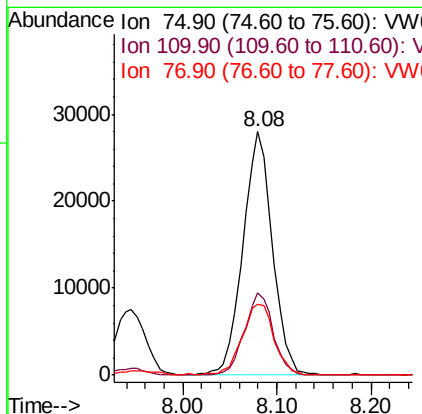
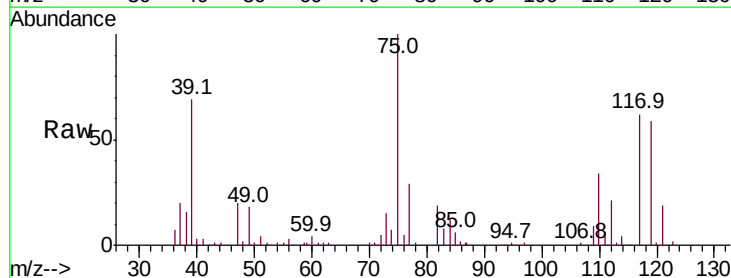
RT: 8.08 min Scan# 1013

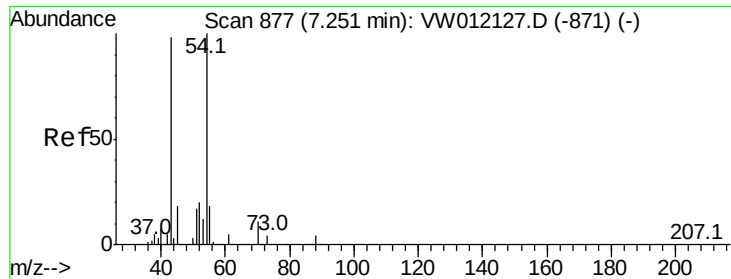
Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Tgt Ion:	75	Resp:	61384
Ion Ratio	Lower	Upper	
75	100		
110	32.7	15.6	46.8
77	31.4	24.6	36.8





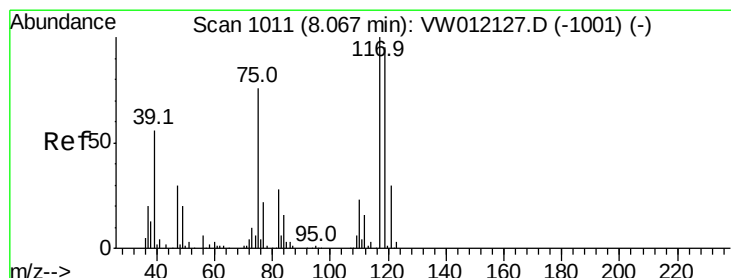
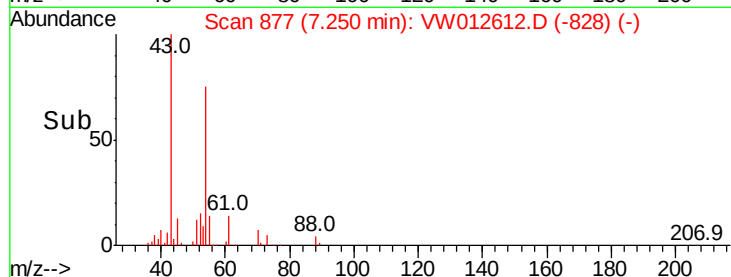
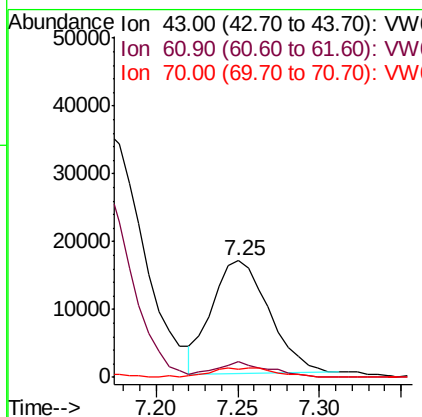
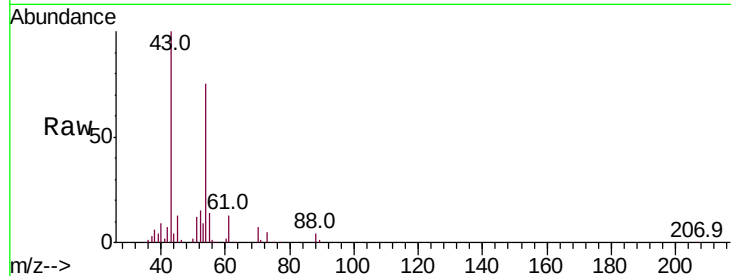
#37
Ethyl Acetate
Concen: 22.368 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.2	13.8
70	9.4	6.9	10.3

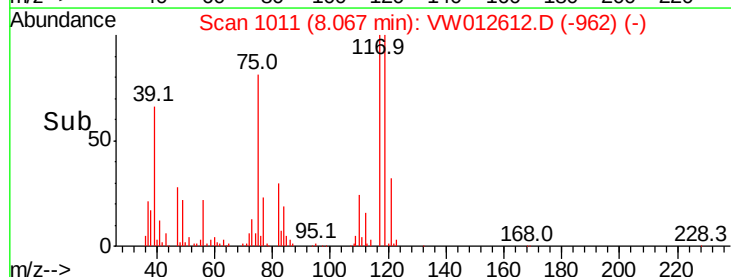
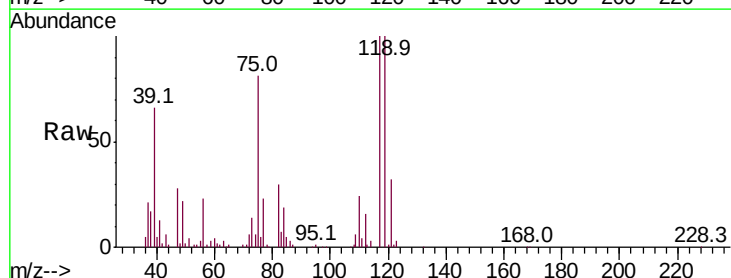
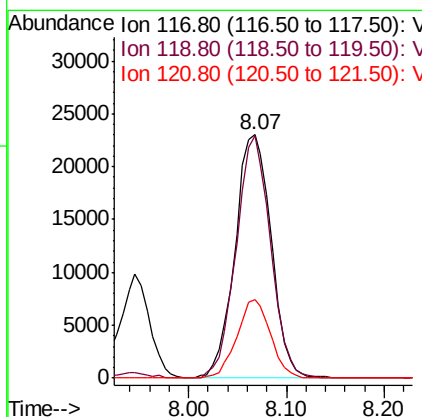
Manual Integrations
APPROVED

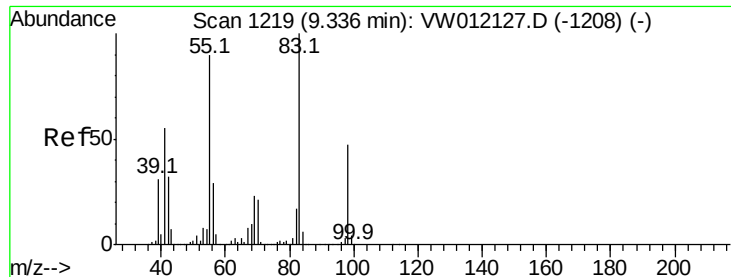
MMDadoda
9/7/2019 12:46:16 AM



#38
Carbon Tetrachloride
Concen: 20.631 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.2	114.2
121	32.0	23.8	35.8





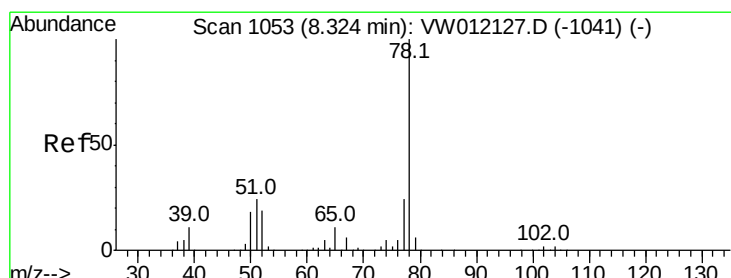
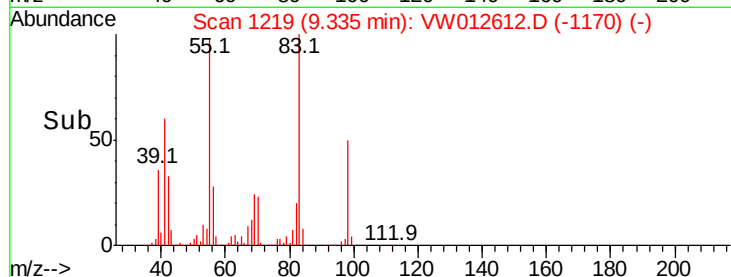
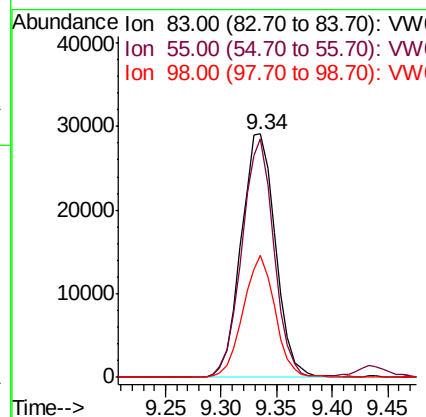
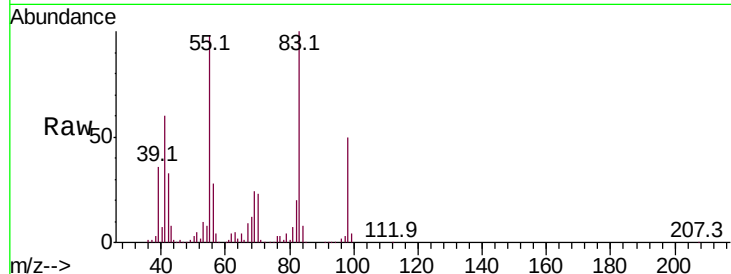
#39
Methylvlcyclohexane
Concen: 16.730 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	83	Resp	62230
Ion	Ratio	Lower	Upper
83	100		
55	98.0	71.8	107.8
98	50.0	37.8	56.8

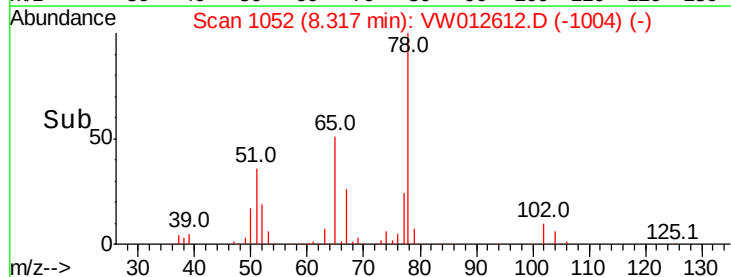
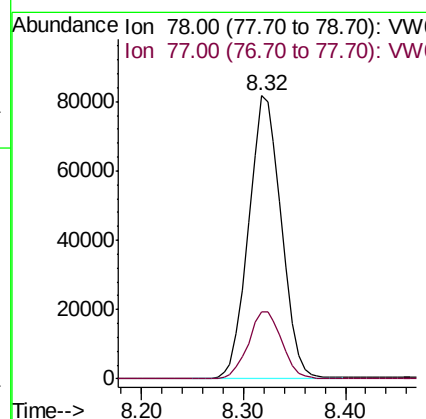
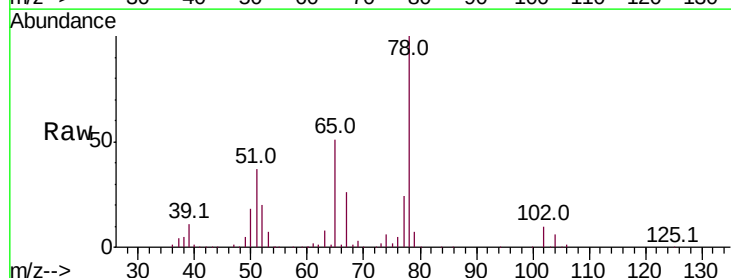
Manual Integrations
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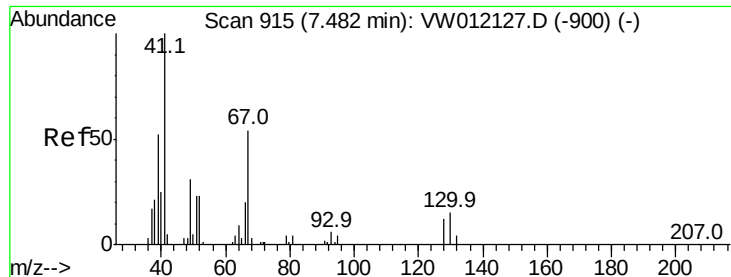
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#40
Benzene
Concen: 20.145 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	78	Resp	182133
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.5	29.3





#41

Methacrylonitrile

Concen: 25.005 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

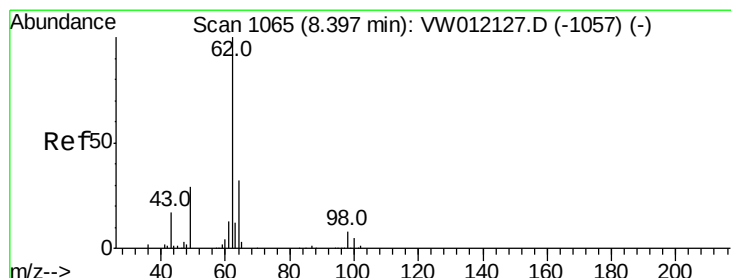
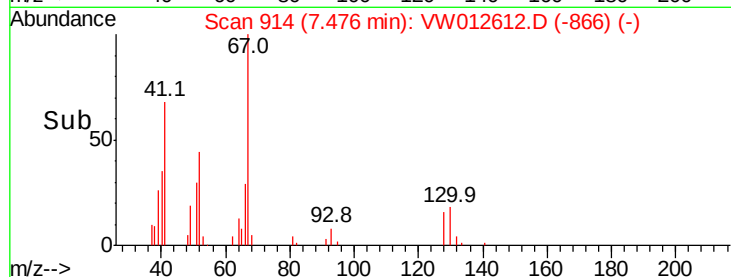
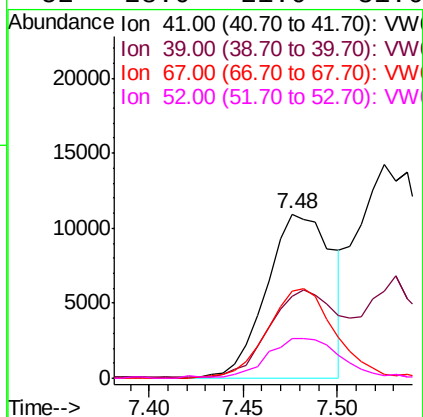
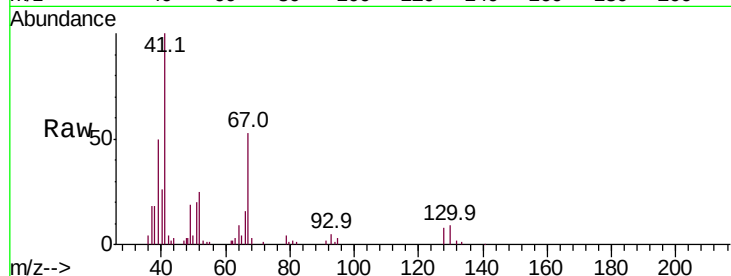
ClientSampleId :

VW0904SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	45.8	68.8
67	56.3	46.2	69.4
52	28.0	21.0	31.6

Manual Integrations
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9/7/2019 12:46:16 AM



#42

1,2-Dichloroethane

Concen: 24.253 ug/l

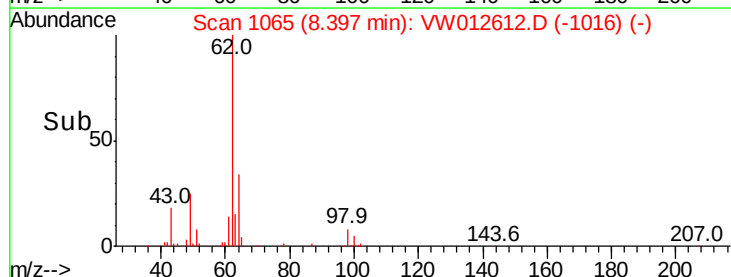
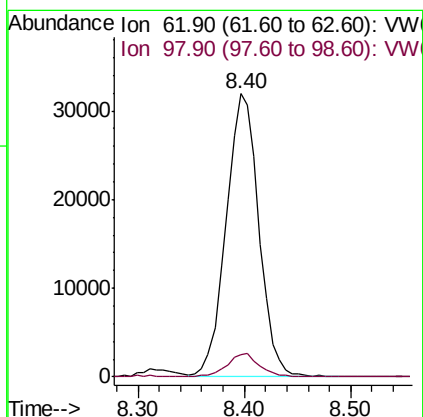
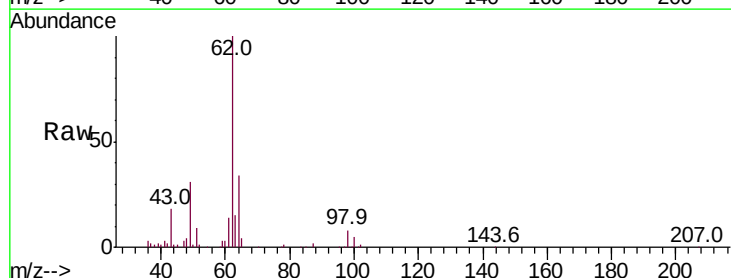
RT: 8.40 min Scan# 1065

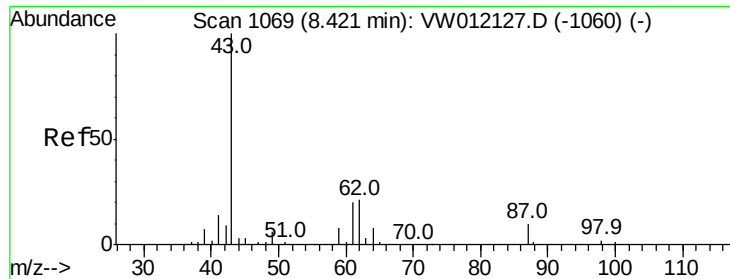
Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 24.367 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

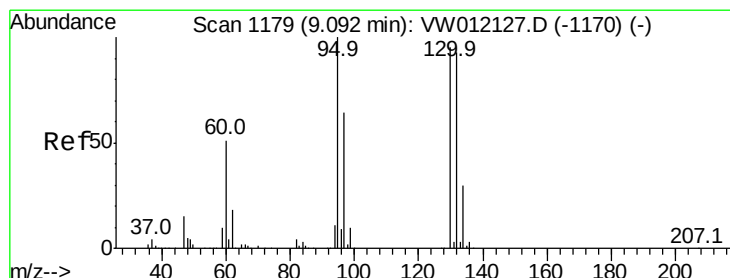
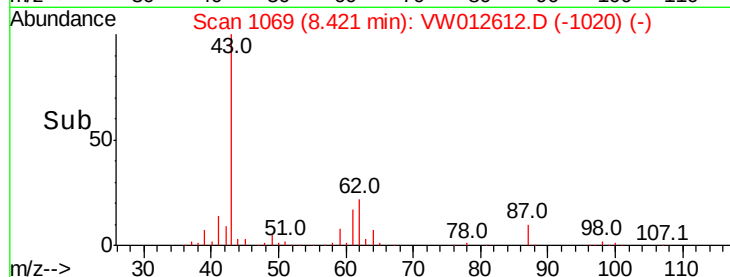
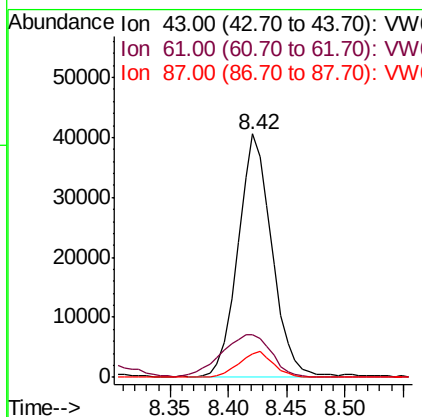
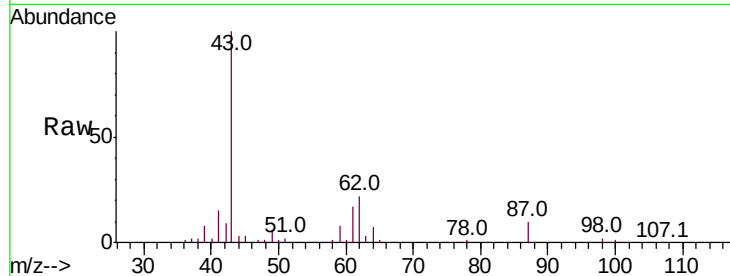
ClientSampleId :

VW0904SBSD02

Tot Ion:	43	Resp:	81892
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.1	31.7
87	10.9	8.2	12.2

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#44

Trichloroethene

Concen: 20.334 ug/l

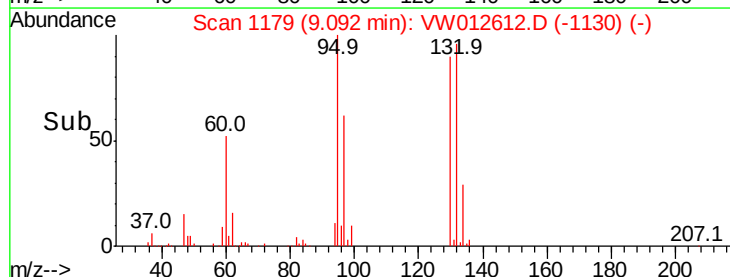
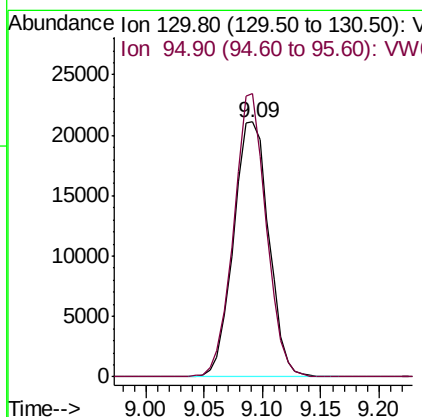
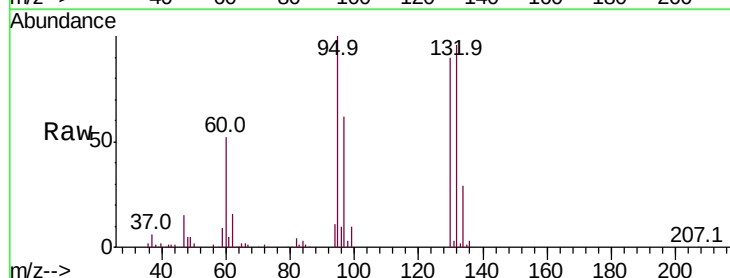
RT: 9.09 min Scan# 1179

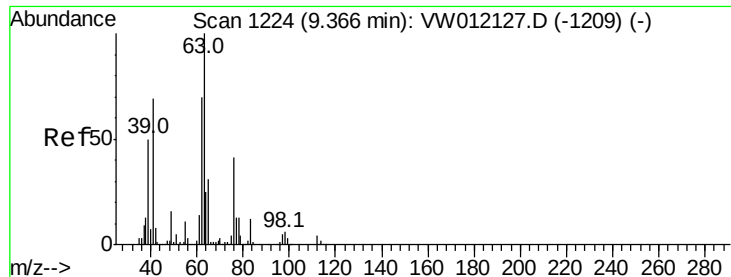
Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Tgt Ion:	130	Resp:	44691
Ion	Ratio	Lower	Upper
130	100		
95	111.1	0.0	210.6





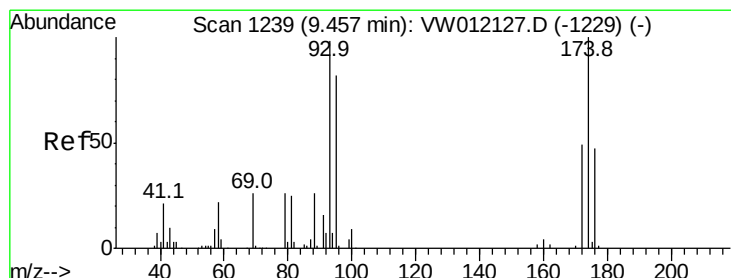
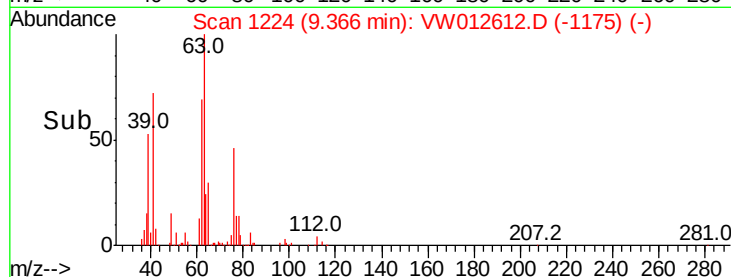
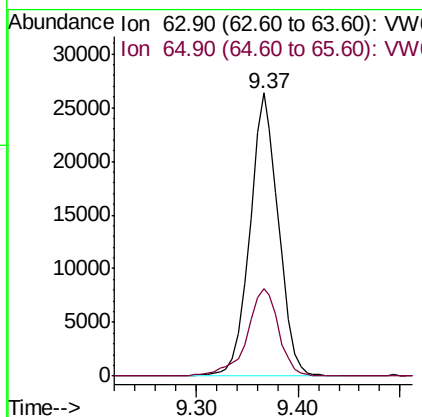
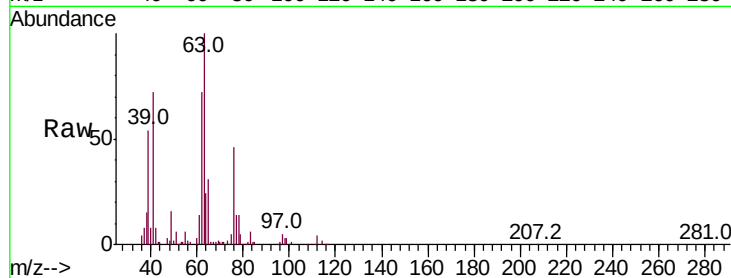
#45
 1,2-Dichloropropane
 Concen: 21.015 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.0	37.4

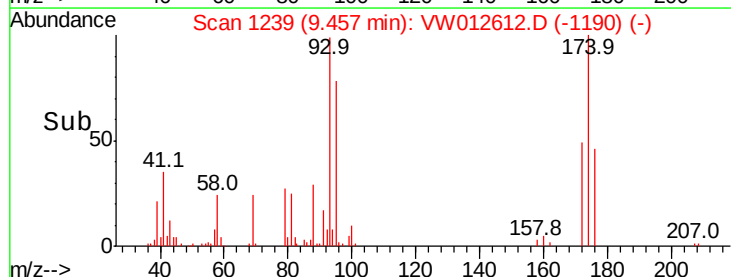
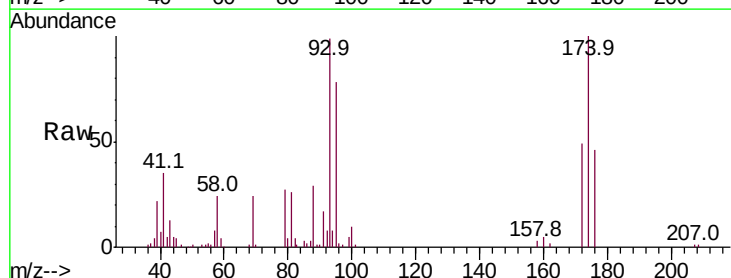
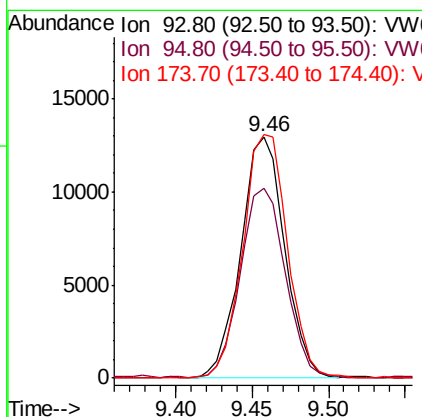
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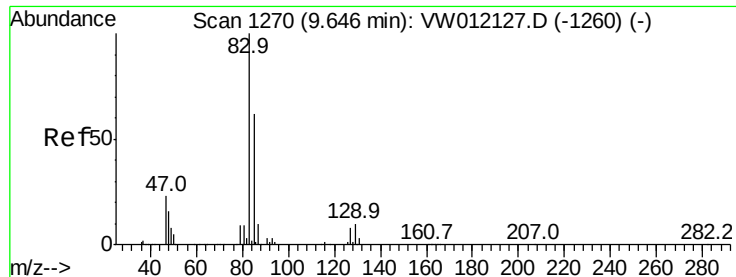
MMDadoda
 9/7/2019 12:46:16 AM



#46
 Dibromomethane
 Concen: 23.841 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.0	67.2	100.8
174	102.8	79.0	118.6





#47

Bromodichloromethane

Concen: 22.948 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

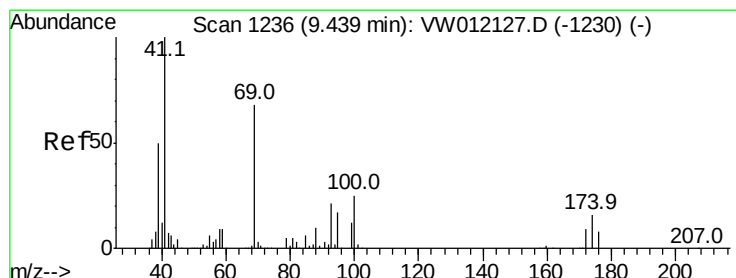
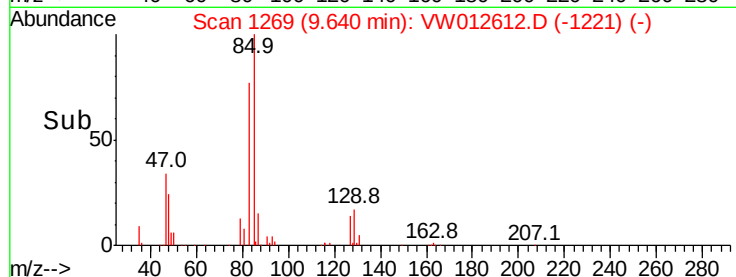
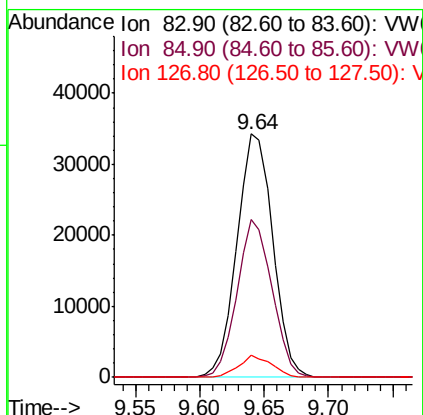
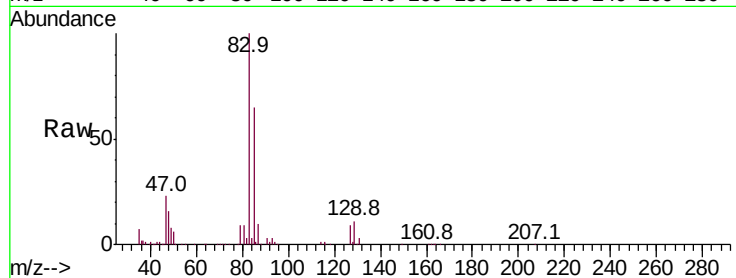
ClientSampleId :

VW0904SBSD02

Tot Ion:	83	Resp:	66120
Ion Ratio	Lower	Upper	
83	100		
85	64.8	49.4	74.2
127	9.1	6.1	9.1

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#48

Methyl methacrylate

Concen: 24.121 ug/l

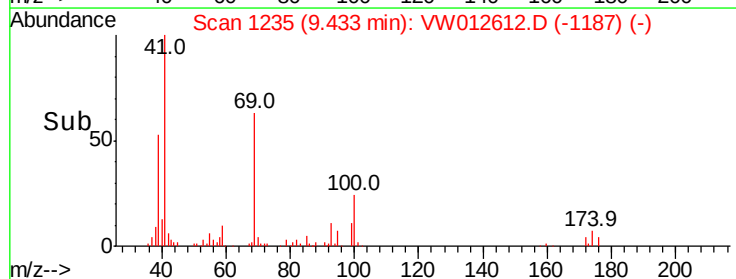
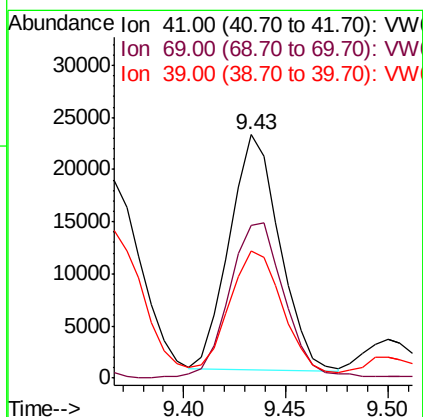
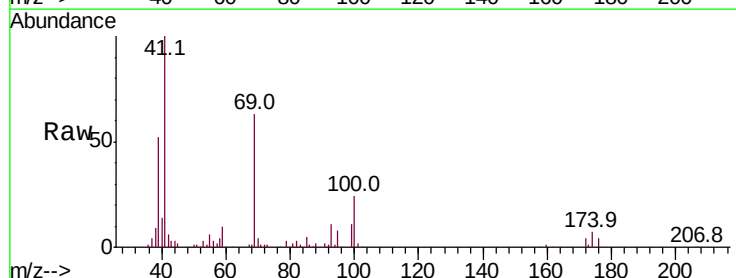
RT: 9.43 min Scan# 1235

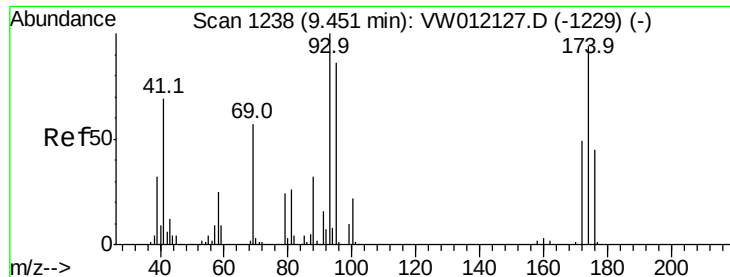
Delta R.T. -0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Tgt Ion:	41	Resp:	38583
Ion Ratio	Lower	Upper	
41	100		
69	71.4	56.7	85.1
39	58.9	42.0	63.0





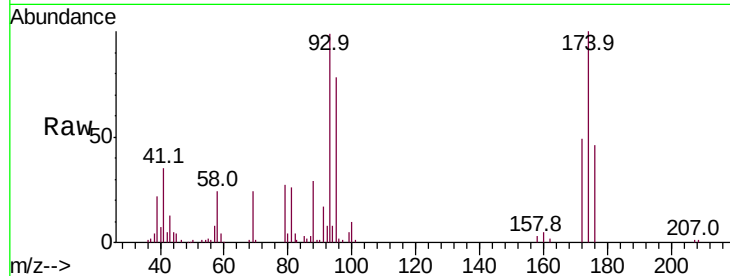
#49
1,4-Dioxane
Concen: 532.848 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	88	Resp	8831
Ion Ratio	100	Lower	Upper
88	100		
43	35.6	32.9	49.3
58	90.5	71.0	106.4

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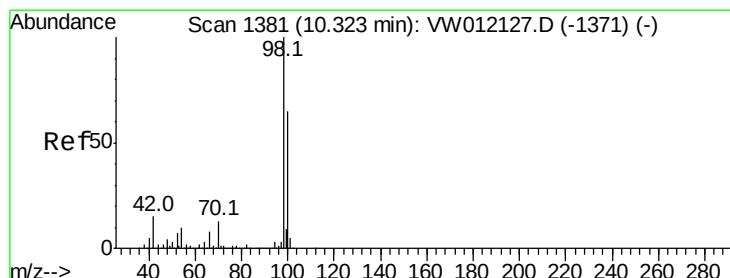
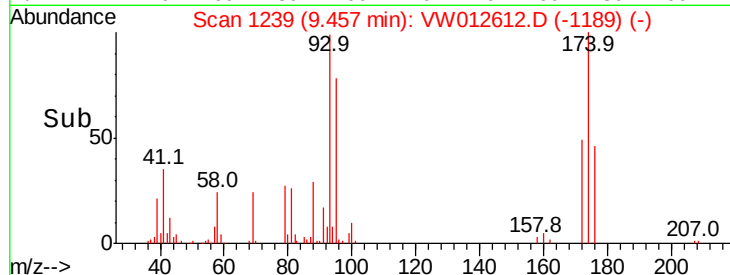
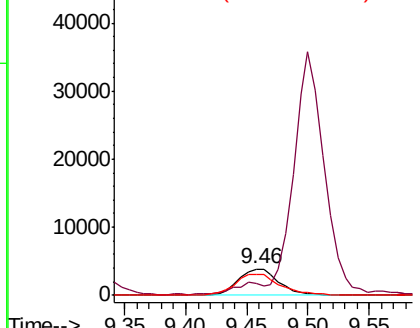


Abundance

Ion 88.00 (87.70 to 88.70): VW

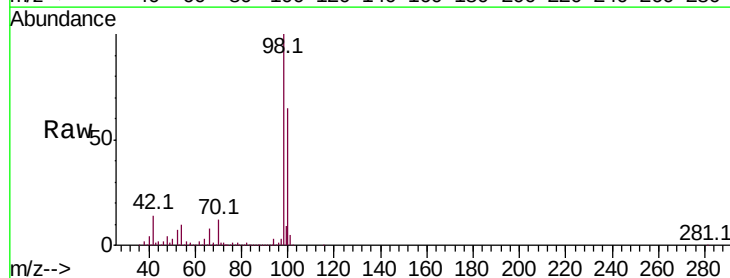
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 52.711 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

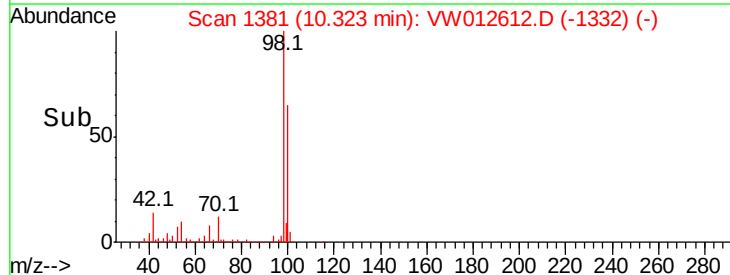
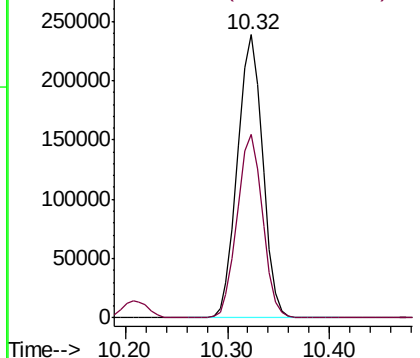
Tgt Ion	98	Resp	408752
Ion Ratio	100	Lower	Upper
98	100		
100	65.1	52.4	78.6

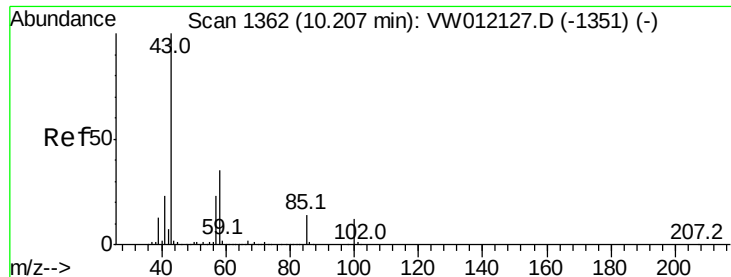


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 128.963 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion: 43 Resp: 220449

Ion Ratio Lower Upper

43 100

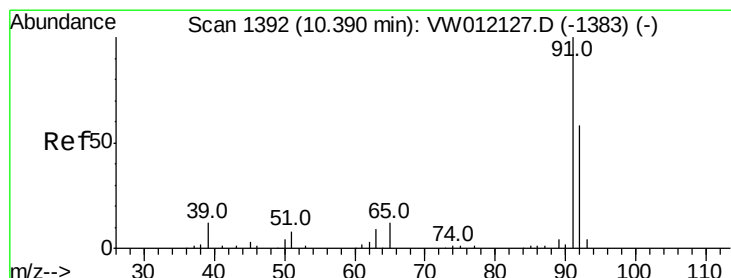
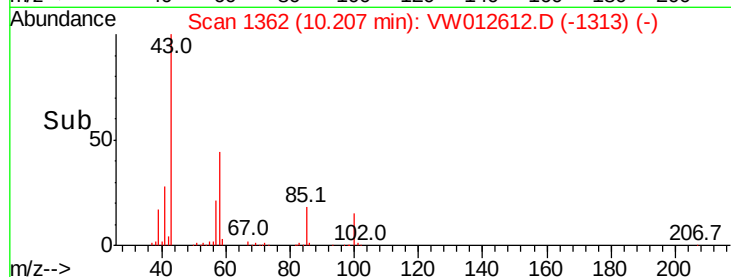
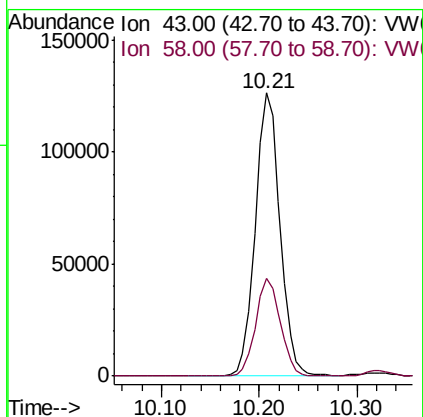
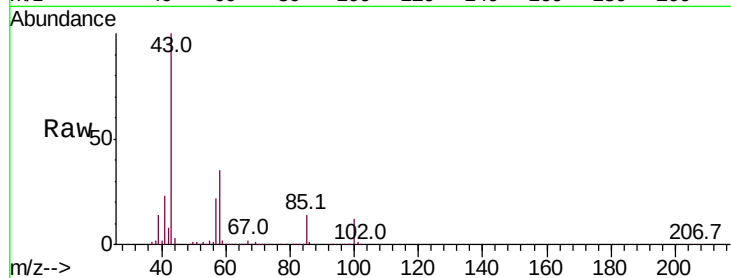
58 34.8 28.2 42.2

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#52

Toluene

Concen: 20.675 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012612.D

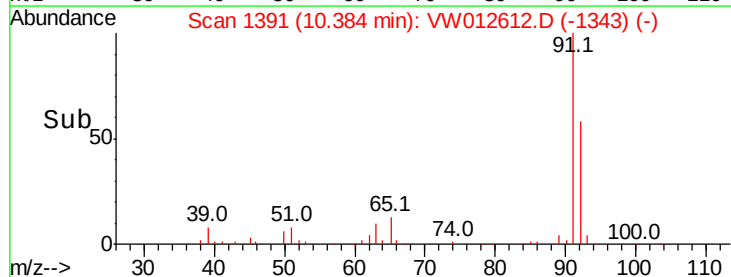
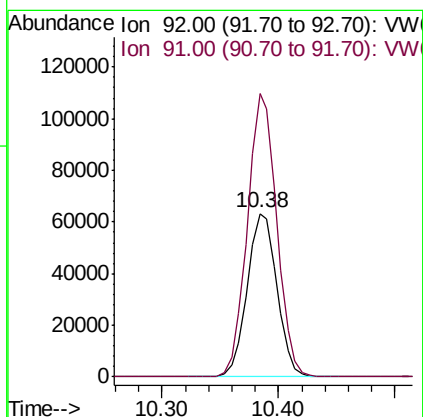
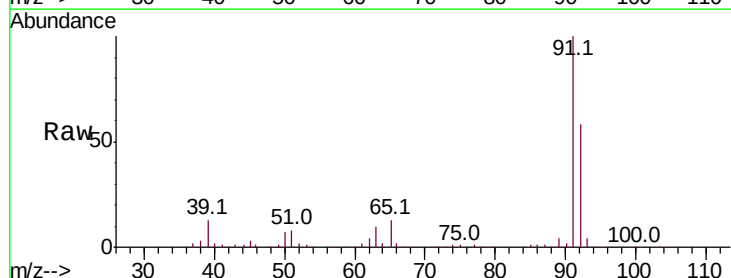
Acq: 05 Sep 2019 02:15

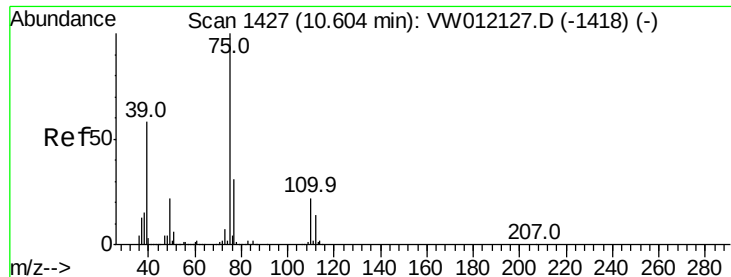
Tgt Ion: 92 Resp: 112289

Ion Ratio Lower Upper

92 100

91 172.0 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 22.447 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion: 75 Resp: 65881

Ion Ratio Lower Upper

75 100

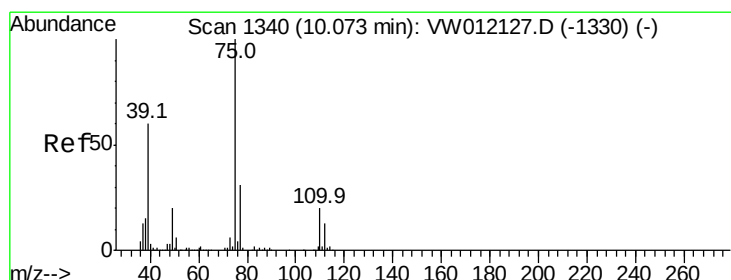
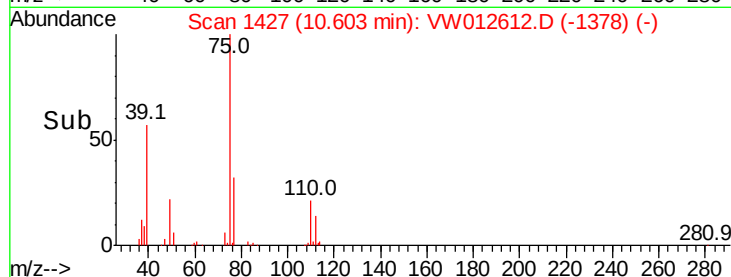
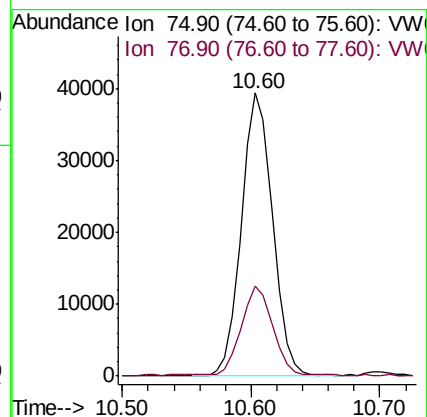
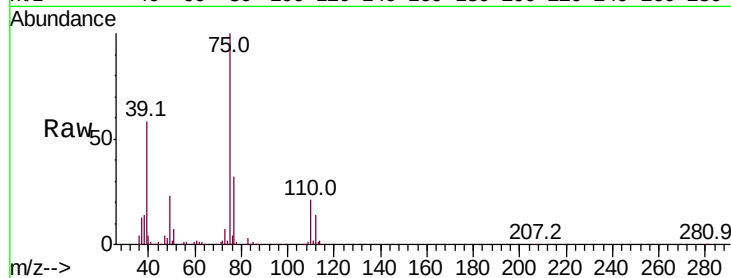
77 31.8 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 21.144 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

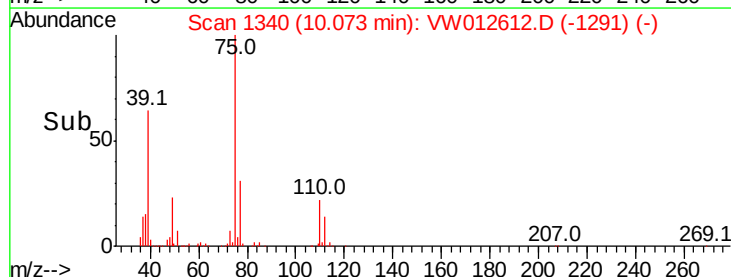
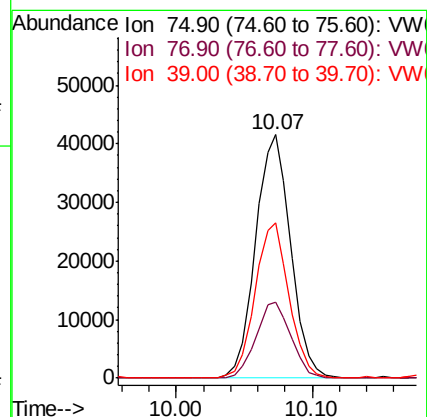
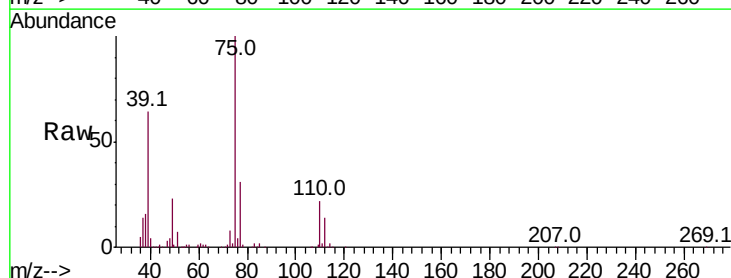
Tgt Ion: 75 Resp: 74927

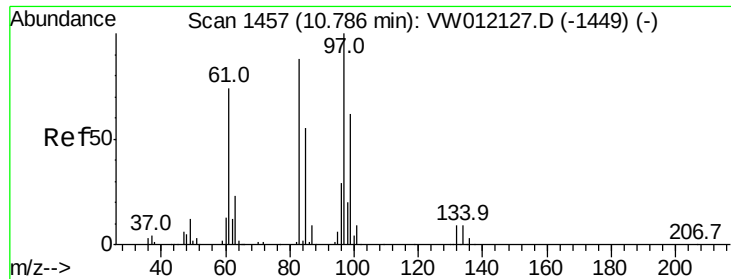
Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

39 63.7 48.3 72.5





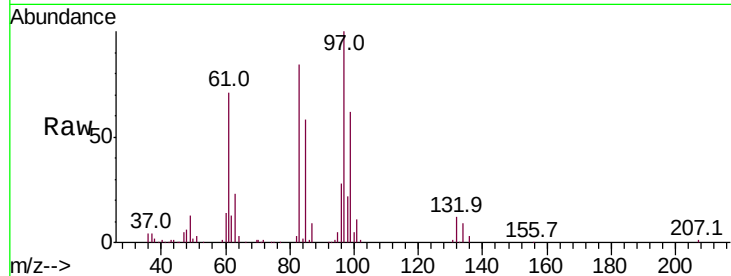
#55
 1,1,2-Trichloroethane
 Concen: 23.742 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

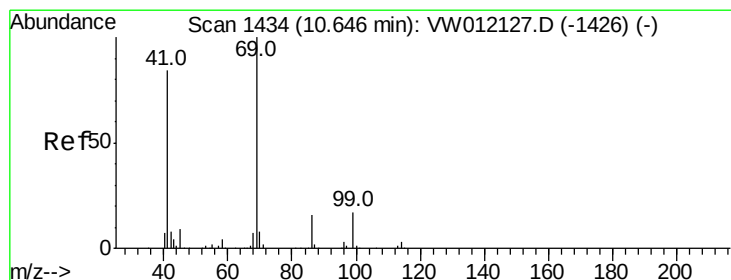
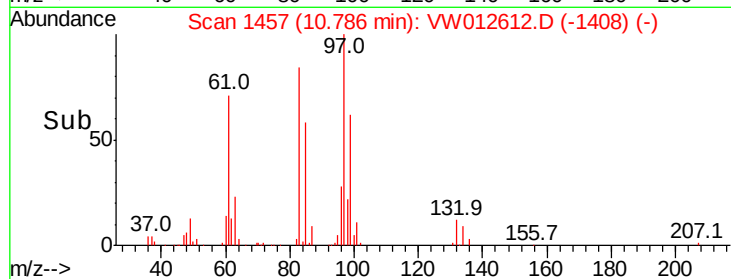
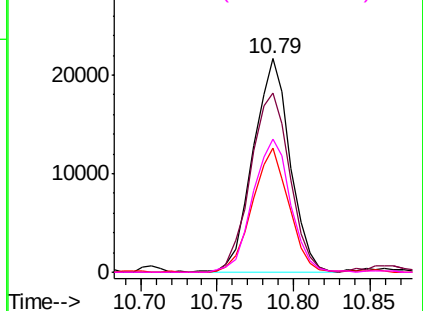
Tot Ion:	97	Resp:	36366
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.8	106.2
85	58.4	43.8	65.8
99	62.4	49.8	74.6

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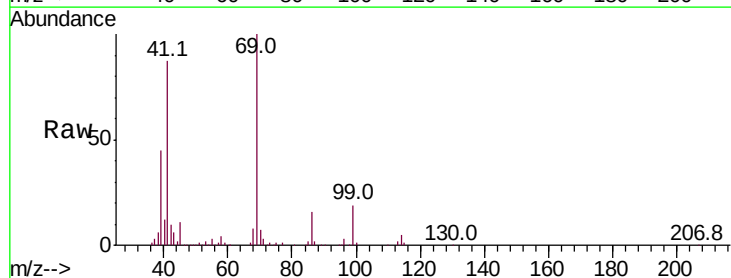


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

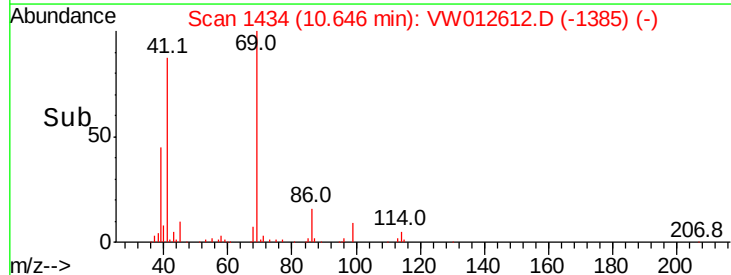
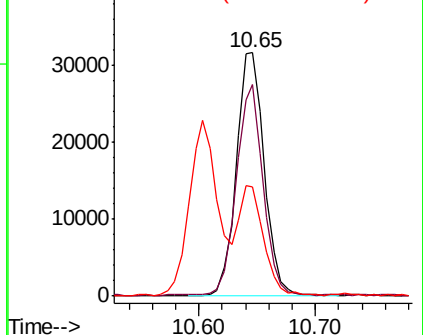


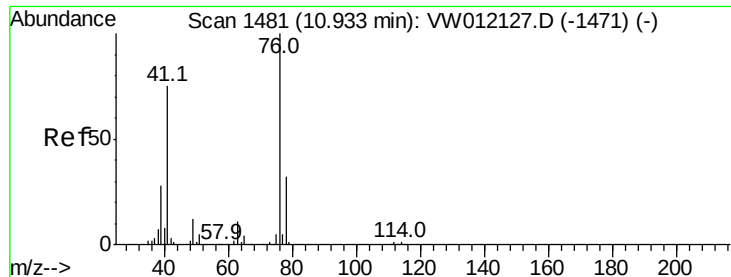
#56
 Ethyl methacrylate
 Concen: 23.788 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Tgt Ion:	69	Resp:	53031
Ion	Ratio	Lower	Upper
69	100		
41	83.4	66.5	99.7
39	40.0	31.0	46.4



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





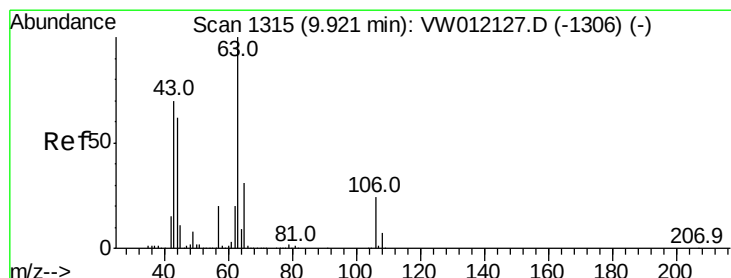
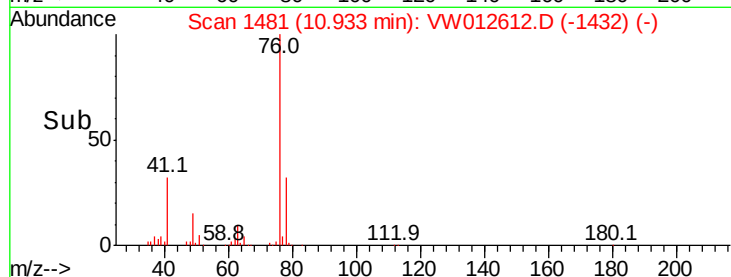
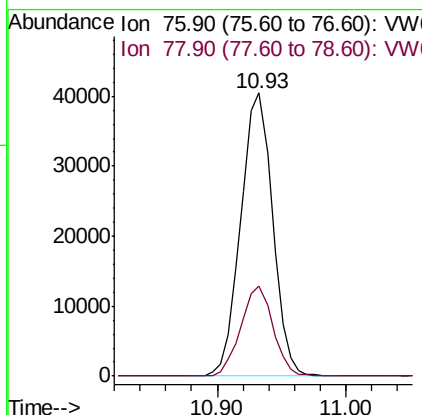
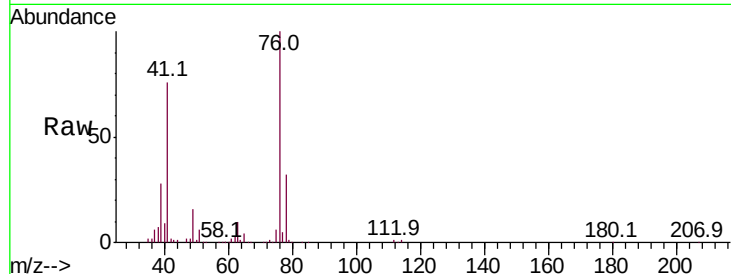
#57
 1,3-Dichloropropane
 Concen: 23.970 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Tot Ion: 76 Resp: 69383
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

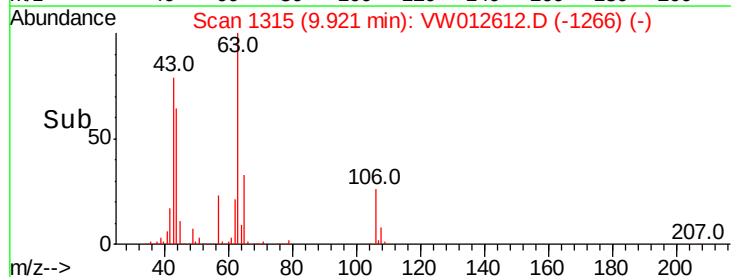
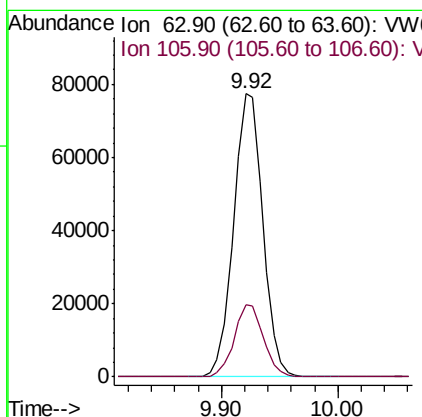
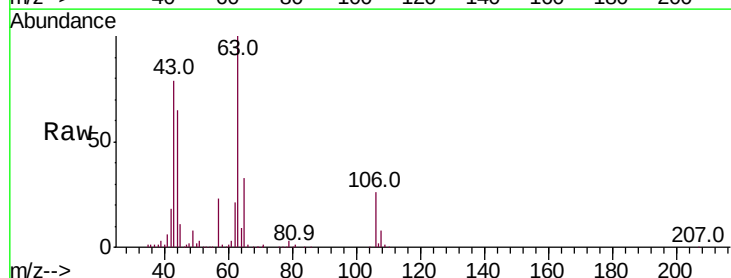
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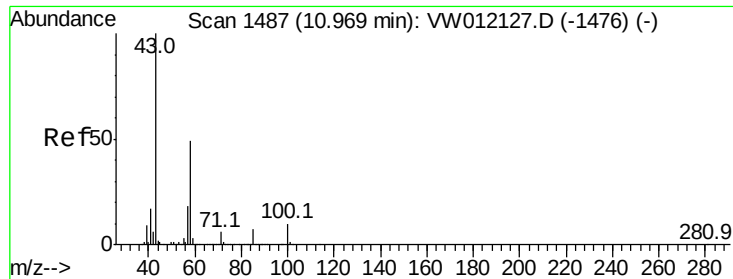
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#58
 2-Chloroethyl Vinyl ether
 Concen: 118.444 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Tgt Ion: 63 Resp: 135514
 Ion Ratio Lower Upper
 63 100
 106 25.5 19.8 29.8





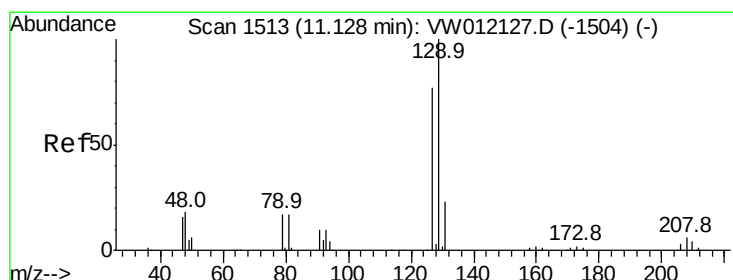
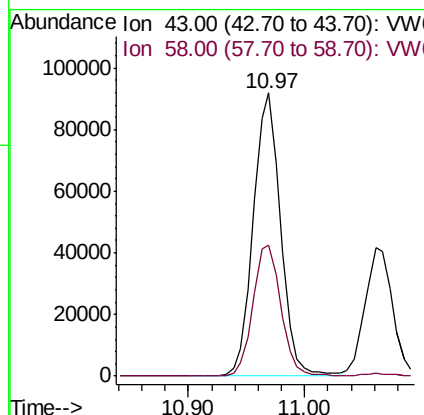
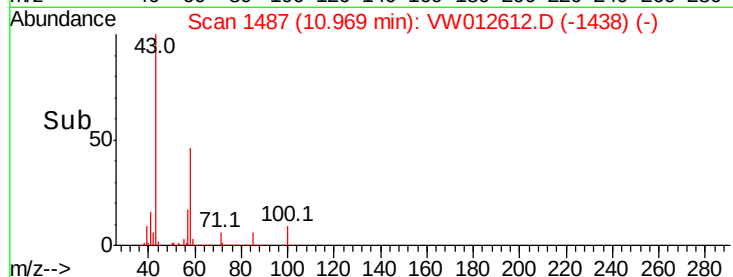
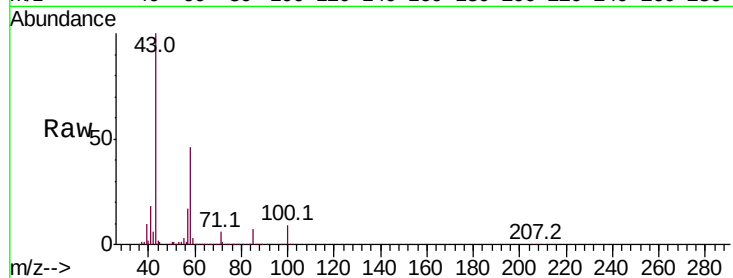
#59
2-Hexanone
Concen: 124.603 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampled :
VW0904SBS02

Tot Ion	43	58	Ratio	100	47.4	Resp	150709	Lower	24.3	Upper	72.9
Ion	43	58	Ratio	100	47.4	Resp	150709	Lower	24.3	Upper	72.9

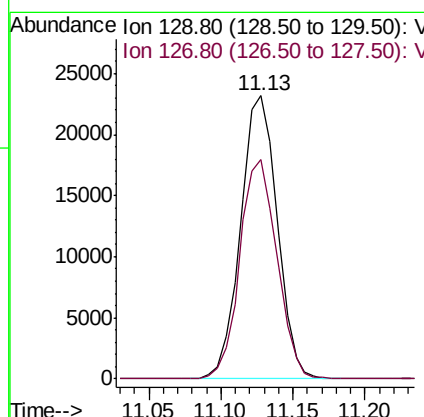
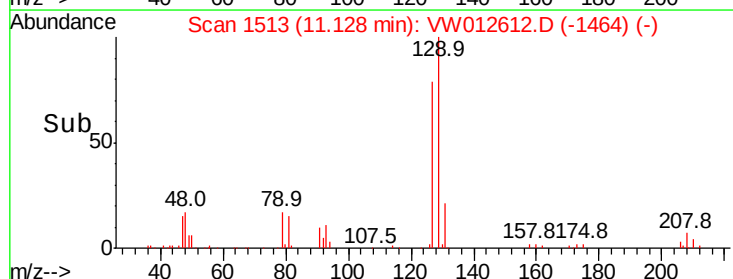
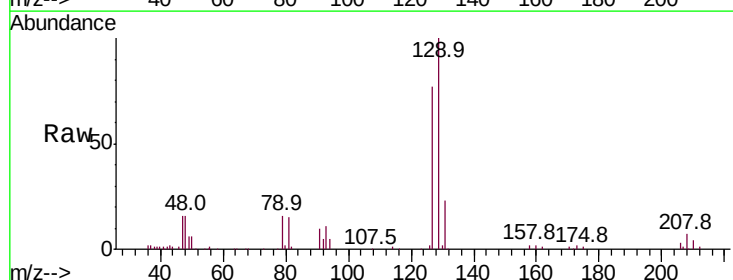
Manual Integrations
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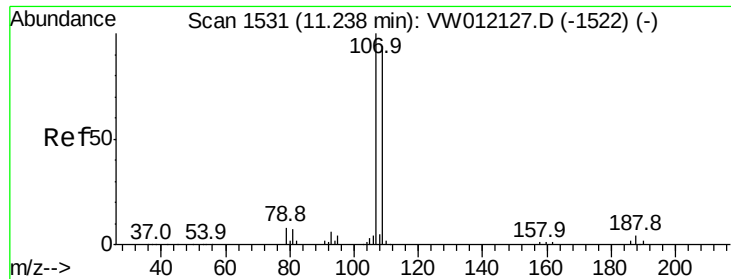
MMDadoda
9/7/2019 12:46:16 AM



#60
Dibromochloromethane
Concen: 23.914 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	129	127	Ratio	100	78.7	Resp	40800	Lower	38.6	Upper	115.8
Ion	129	127	Ratio	100	78.7	Resp	40800	Lower	38.6	Upper	115.8





#61

1,2-Dibromoethane

Concen: 23.982 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion:107 Resp: 34222

Ion Ratio Lower Upper

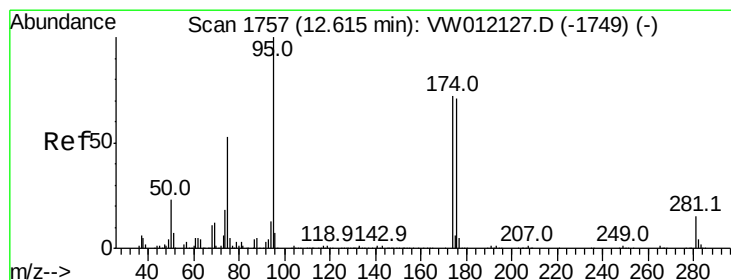
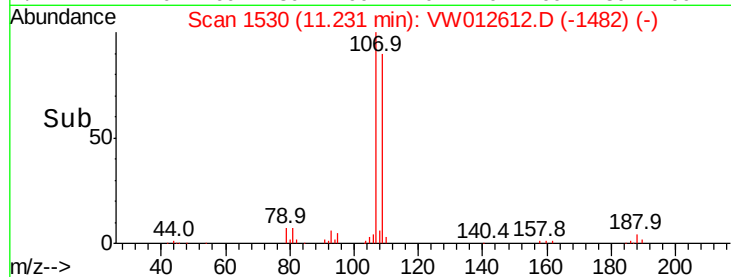
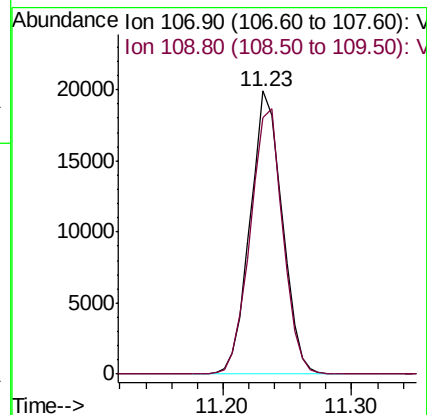
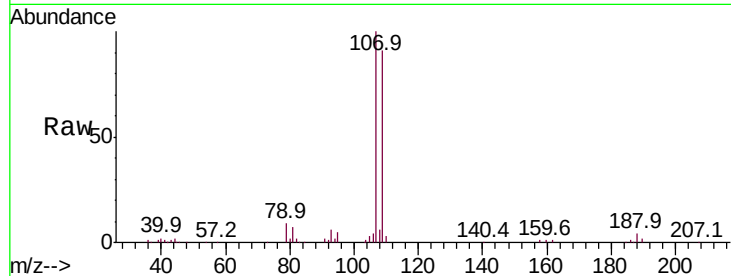
107 100

109 94.6 75.4 113.2

Manual Integrations
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9/7/2019 12:46:16 AM



#62

4-Bromofluorobenzene

Concen: 55.666 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

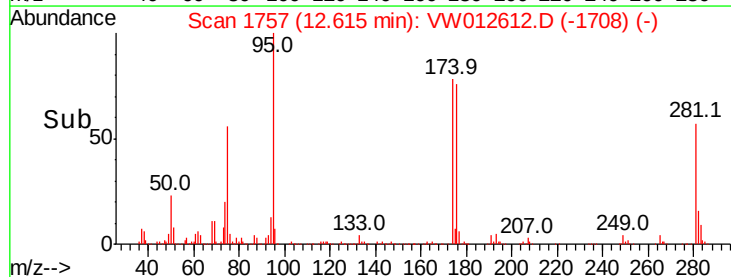
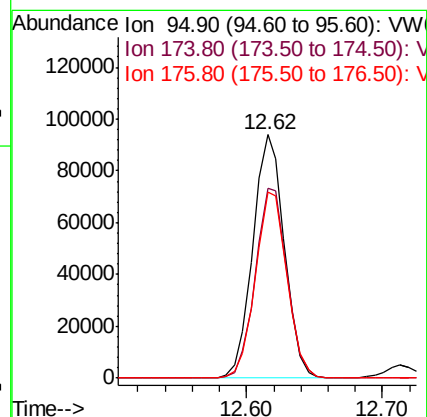
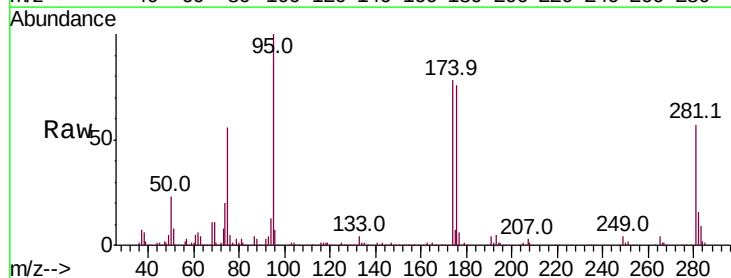
Tgt Ion: 95 Resp: 152161

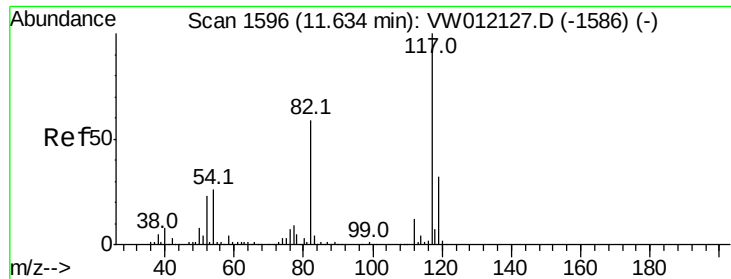
Ion Ratio Lower Upper

95 100

174 79.0 0.0 150.8

176 77.0 0.0 148.6





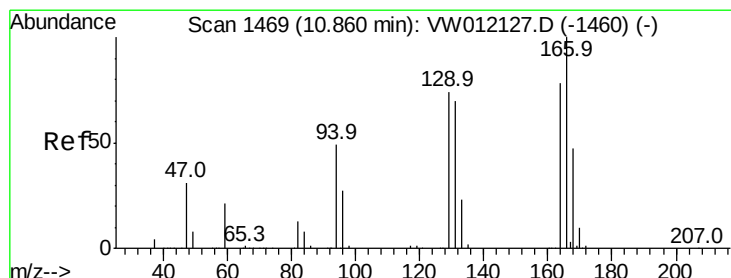
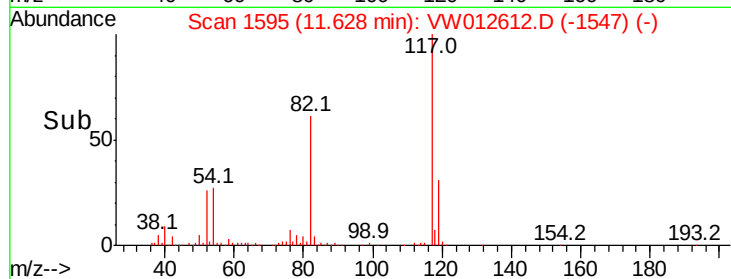
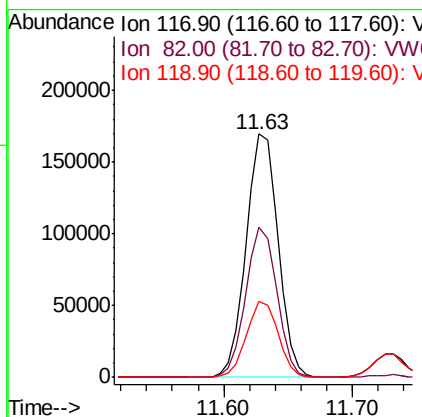
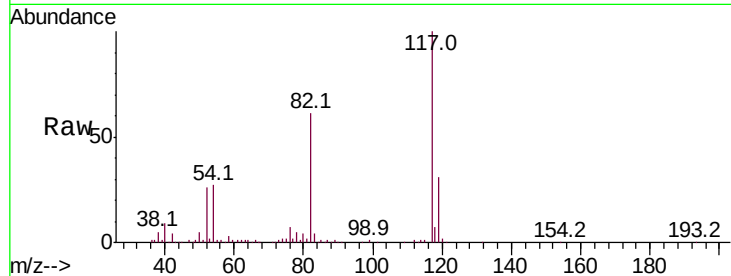
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290451		
82	61.4		47.4	71.2
119	31.2		25.4	38.2

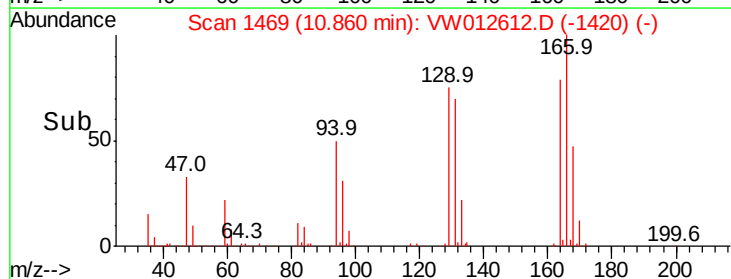
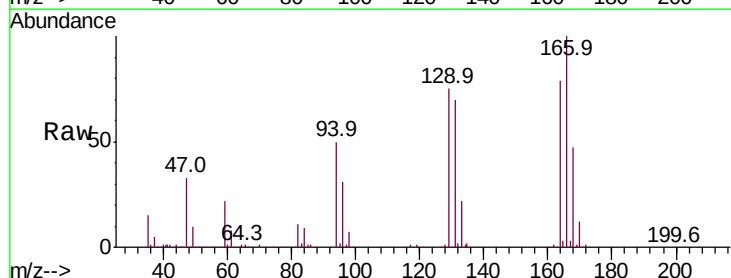
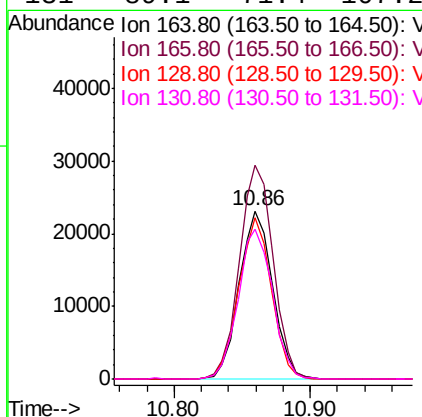
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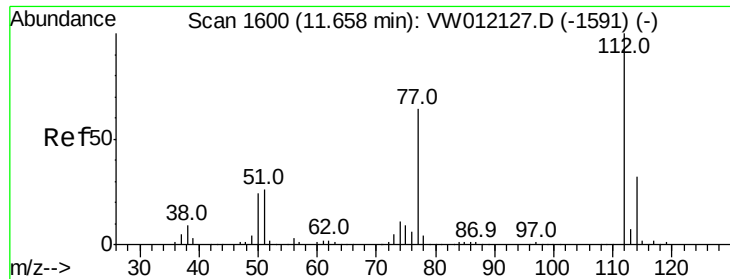
MMDadoda
9/7/2019 12:46:16 AM



#64
Tetrachloroethene
Concen: 21.067 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39670		
166	127.3		102.4	153.6
129	95.8		75.8	113.6
131	89.1		71.4	107.2





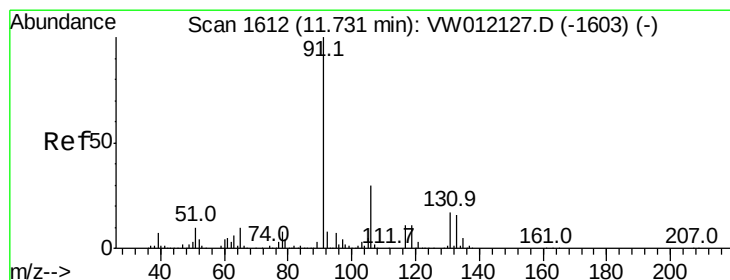
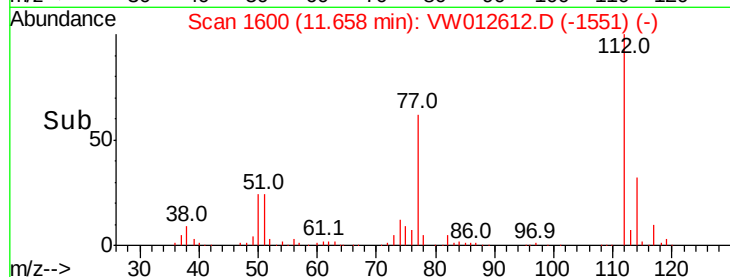
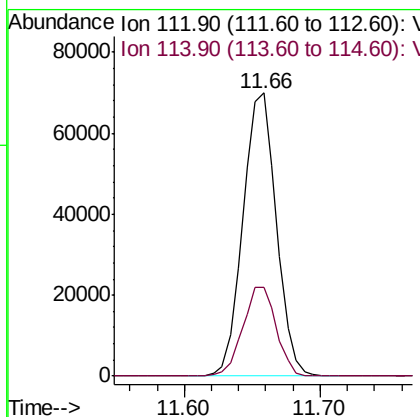
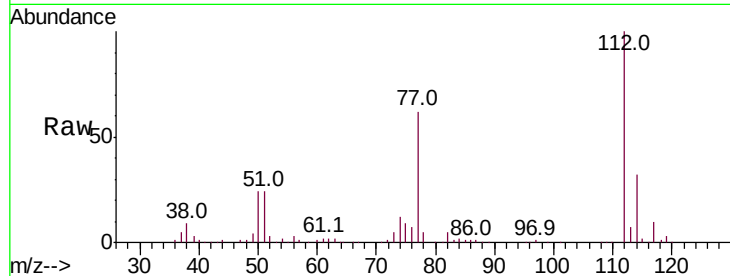
#65
Chlorobenzene
Concen: 21.020 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

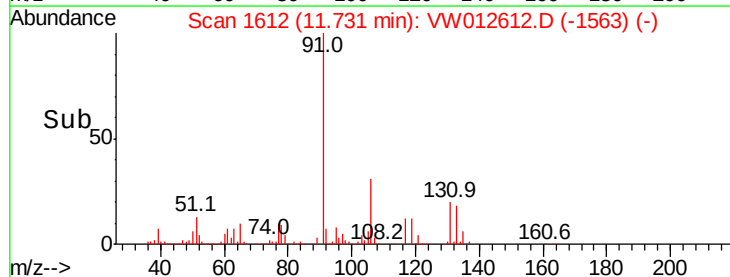
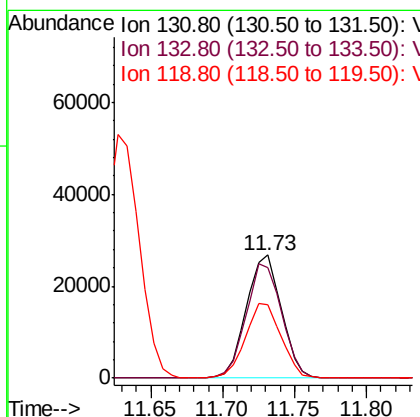
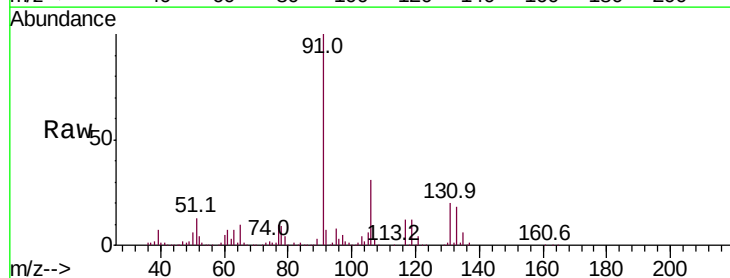
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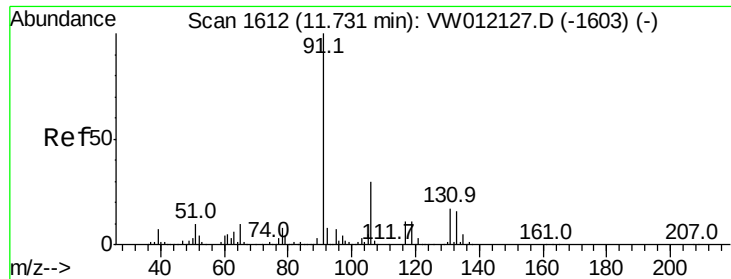
MMDadoda
9/7/2019 12:46:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.570 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.1	141.3
119	62.0	31.8	95.3





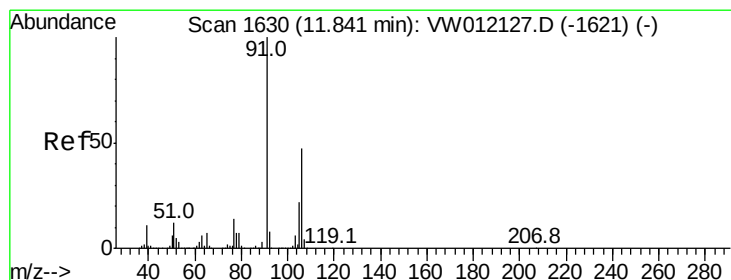
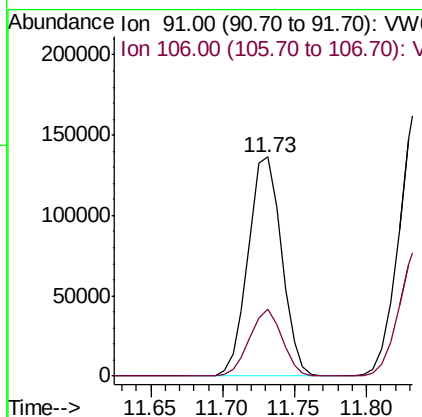
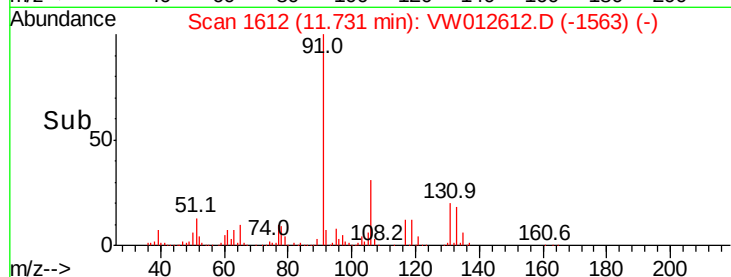
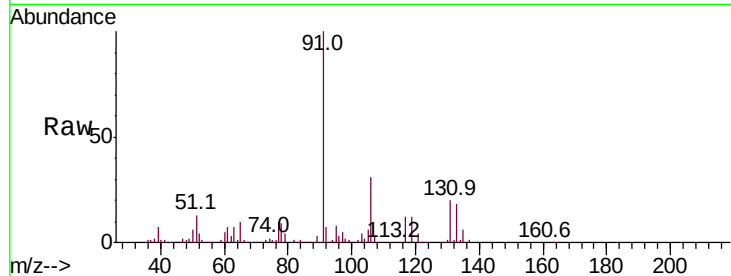
#67
Ethyl Benzene
Concen: 20.003 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion: 91 Resp: 220381
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5

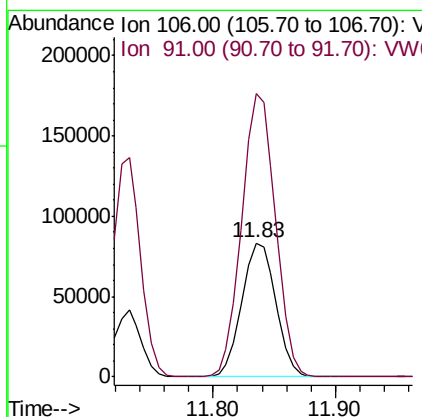
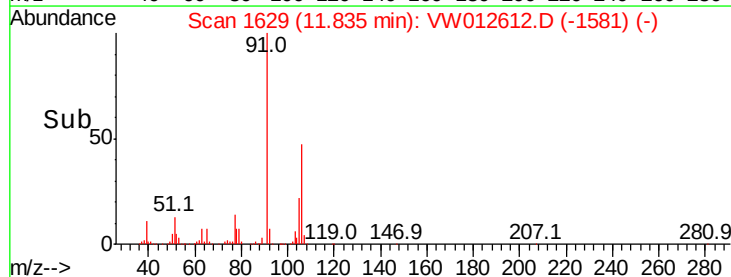
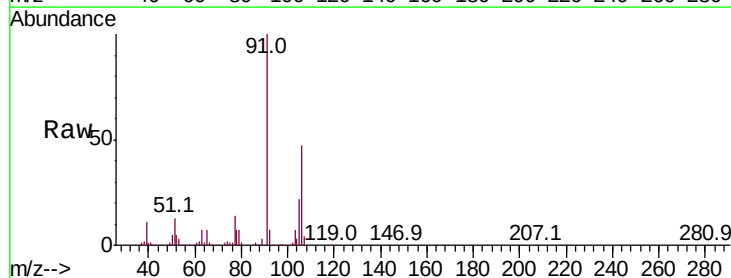
Manual Integrations
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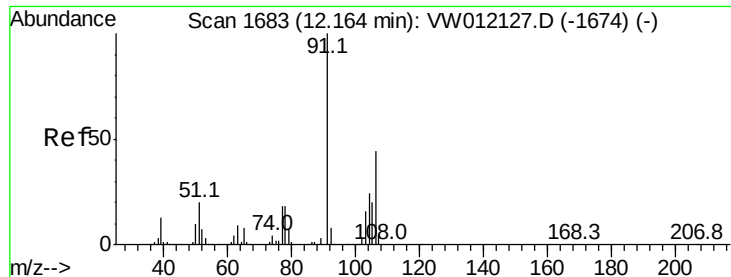
MMDadoda
9/7/2019 12:46:16 AM



#68
m/p-Xylenes
Concen: 40.532 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion: 106 Resp: 160851
Ion Ratio Lower Upper
106 100
91 209.9 169.5 254.3





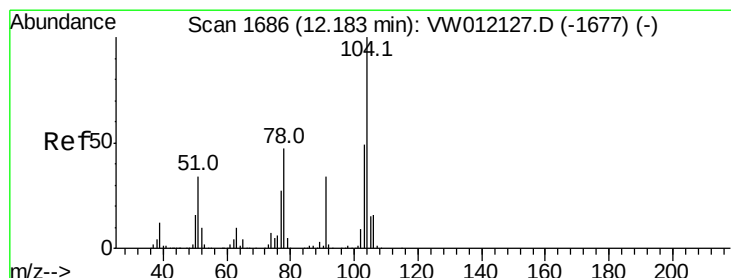
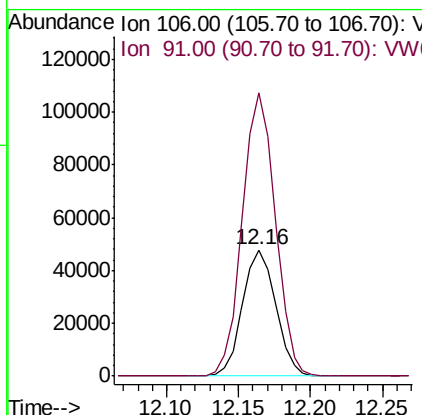
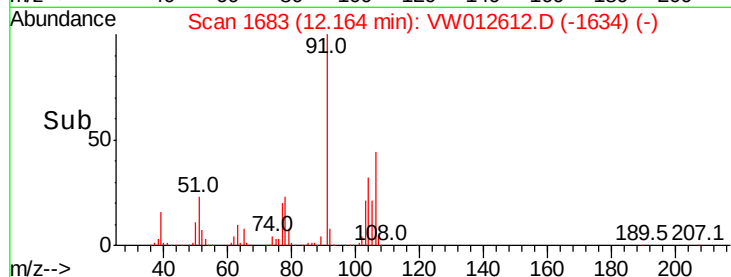
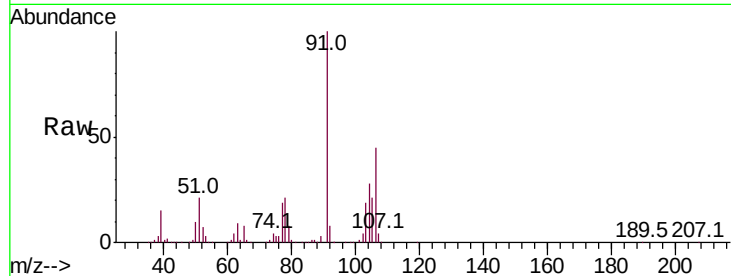
#69
o-Xylene
Concen: 20.857 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion:106 Resp: 76608
Ion Ratio Lower Upper
106 100
91 223.0 111.6 334.6

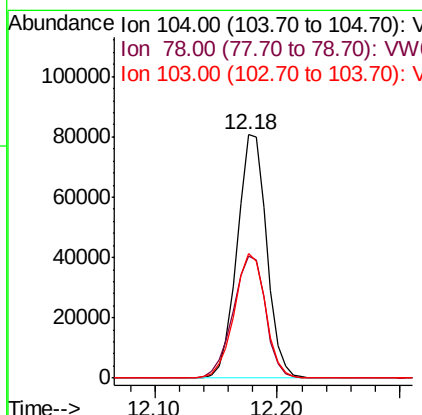
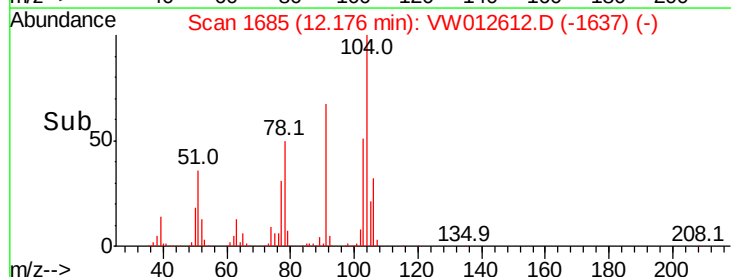
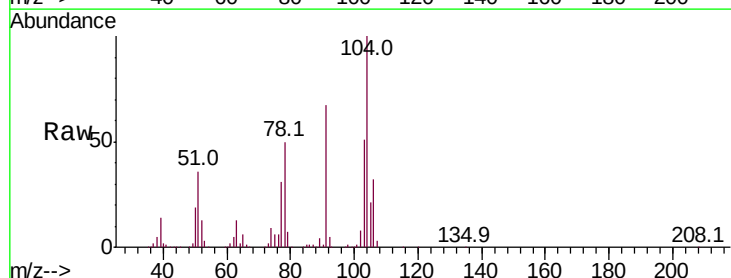
Manual Integrations
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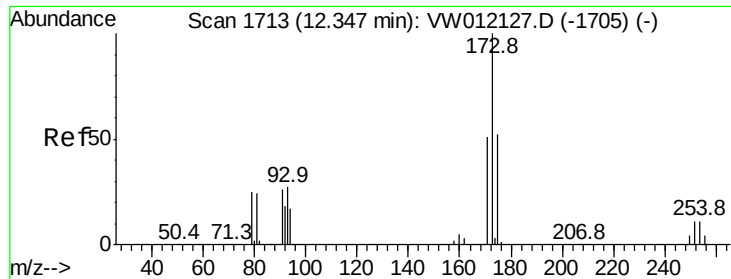
MMDadoda
9/7/2019 12:46:16 AM



#70
Styrene
Concen: 21.203 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion:104 Resp: 134801
Ion Ratio Lower Upper
104 100
78 55.2 43.1 64.7
103 54.2 43.5 65.3





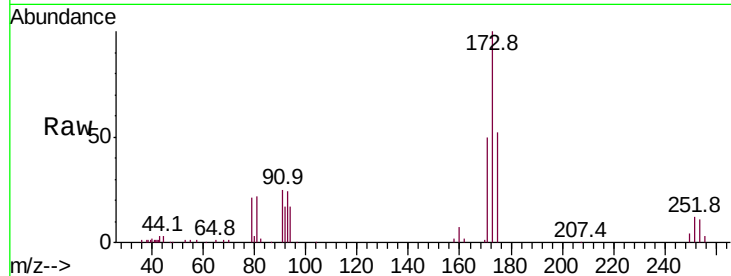
#71
Bromoform
Concen: 24.799 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

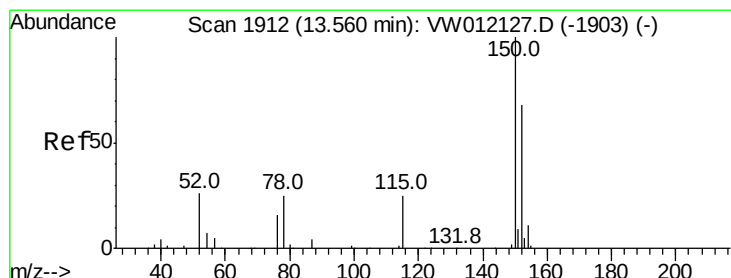
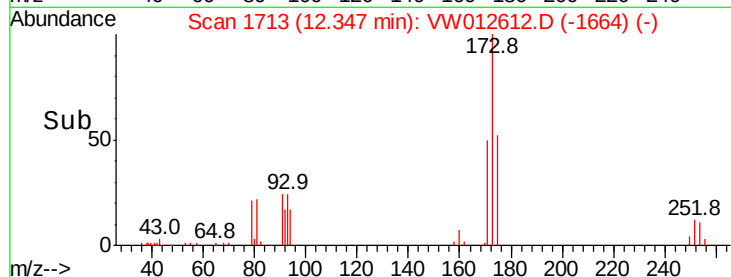
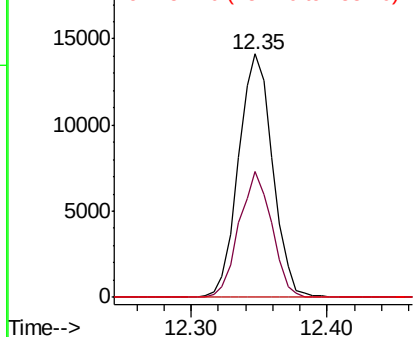
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	74.0
254	0.0	0.2	0.2#

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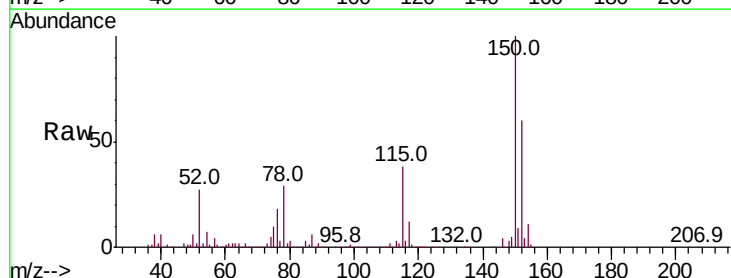


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

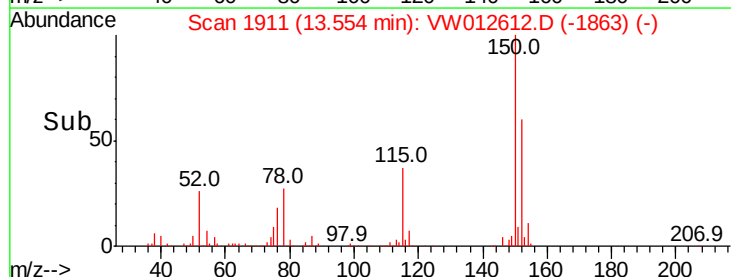
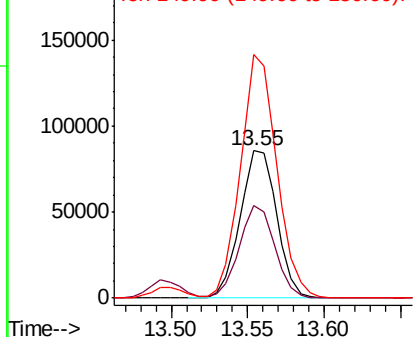


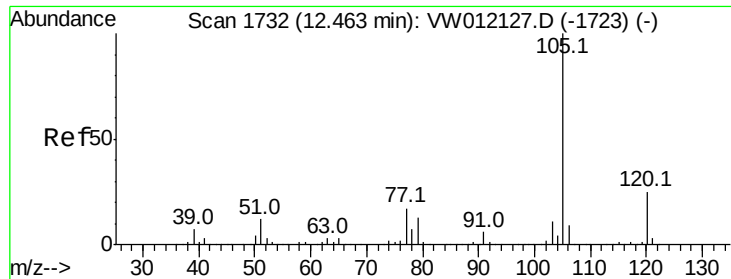
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.3
150	164.4	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





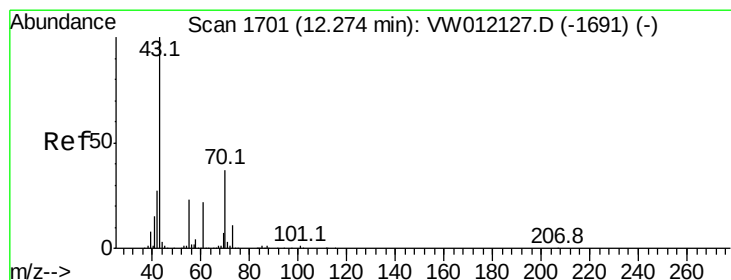
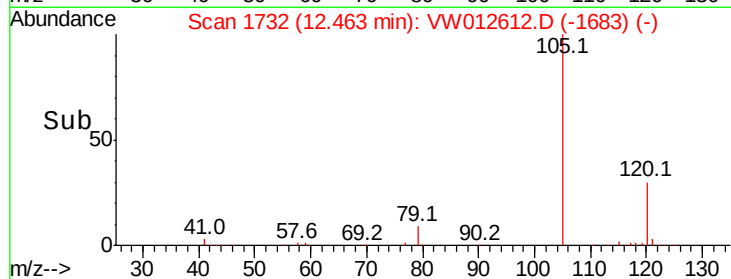
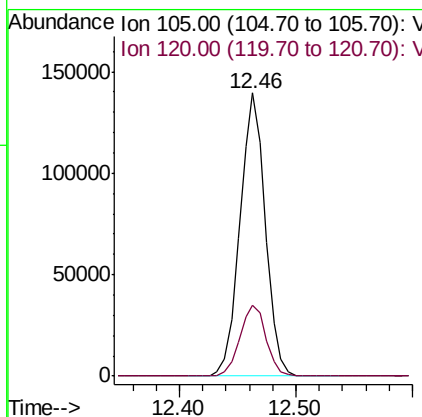
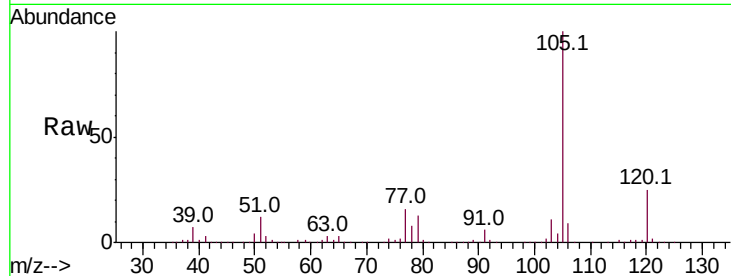
#73
Isopropylbenzene
Concen: 19.853 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.5	37.5

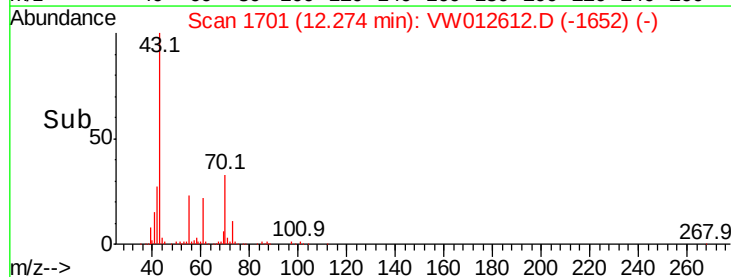
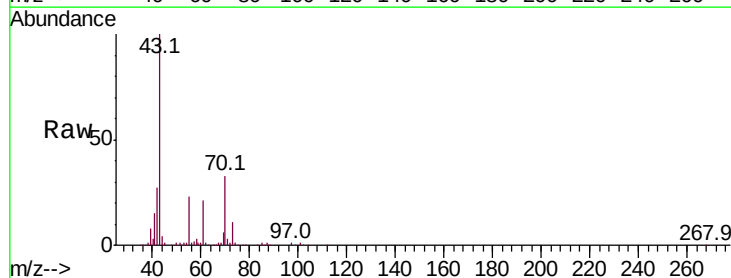
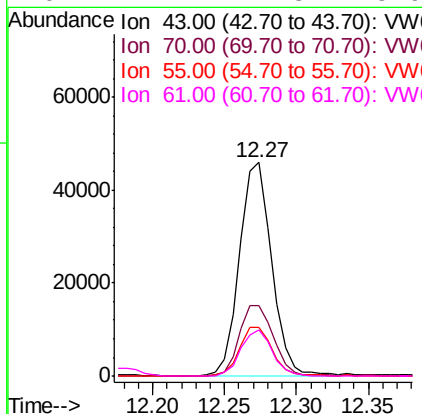
Manual Integrations
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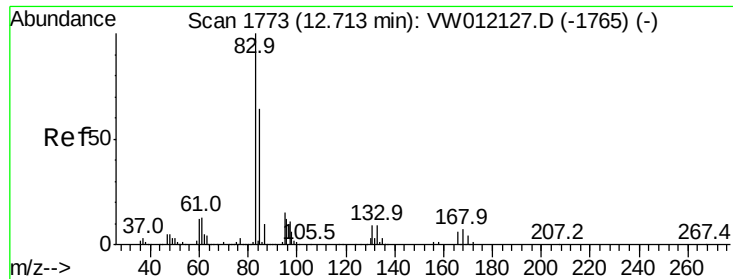
MMDadoda
9/7/2019 12:46:16 AM



#74
N-ethyl acetate
Concen: 22.307 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.2	28.6	43.0
55	23.4	17.8	26.6
61	21.1	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.077 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

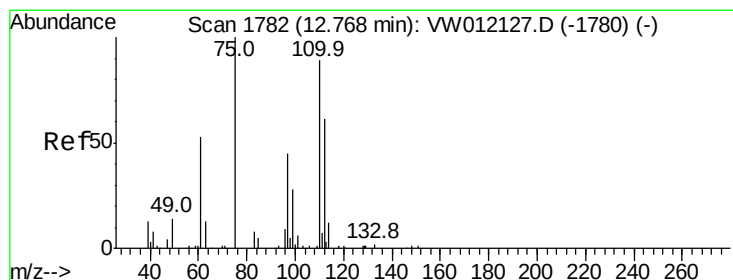
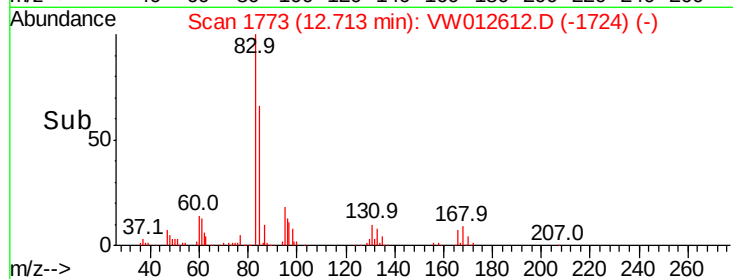
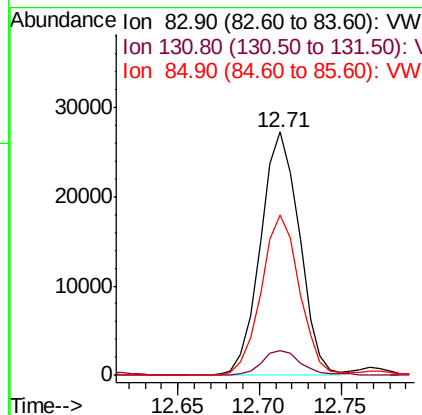
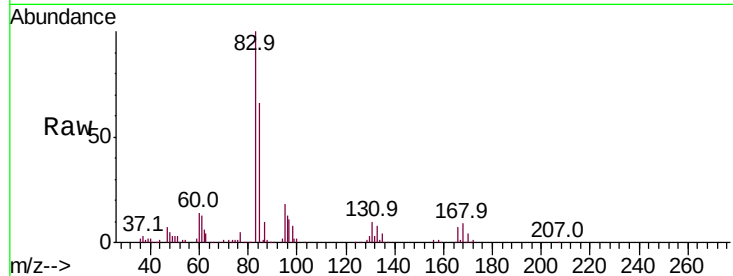
ClientSampleId :

VW0904SBSD02

Tot Ion:	83	Resp:	44957
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	64.7	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 26.829 ug/l m

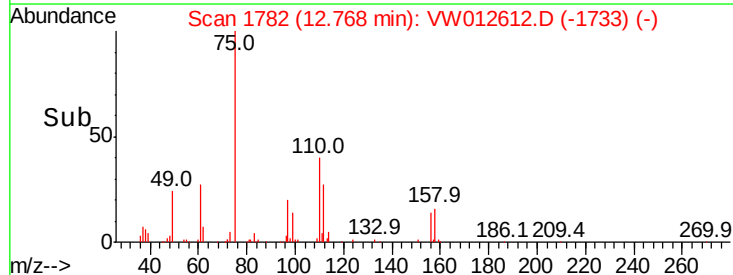
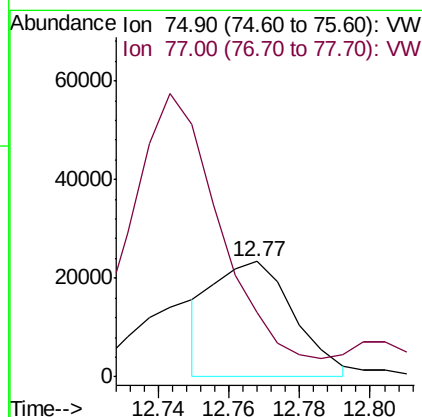
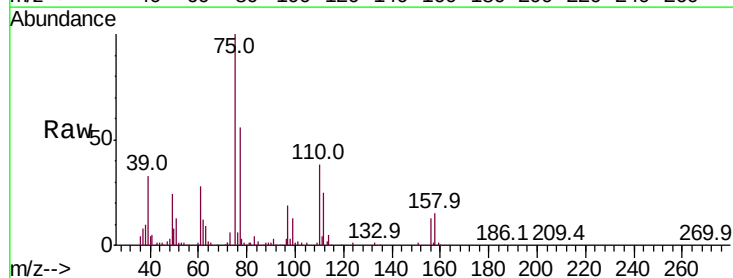
RT: 12.77 min Scan# 1782

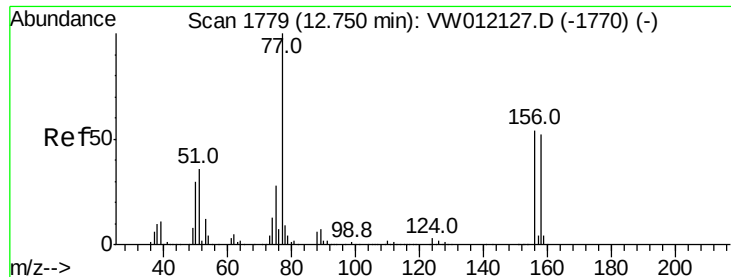
Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Tgt Ion:	75	Resp:	37056
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.566 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion:156 Resp: 49579

Ion Ratio Lower Upper

156 100

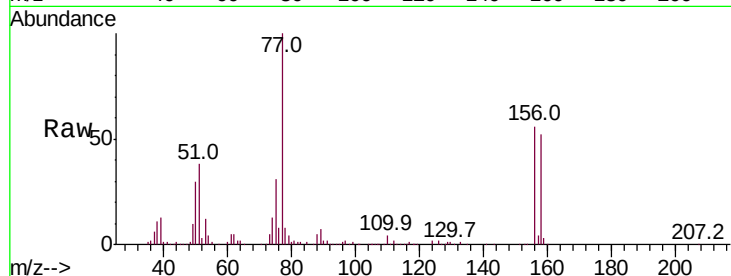
77 212.7 107.3 321.8

158 96.4 49.0 147.0

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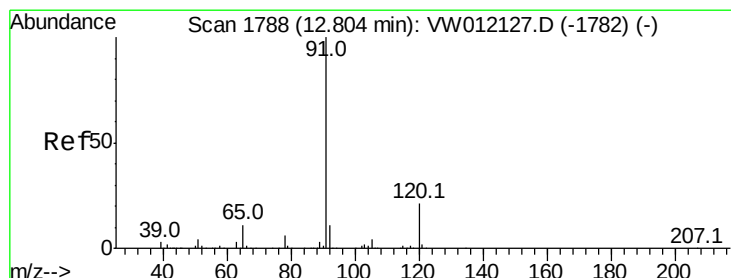
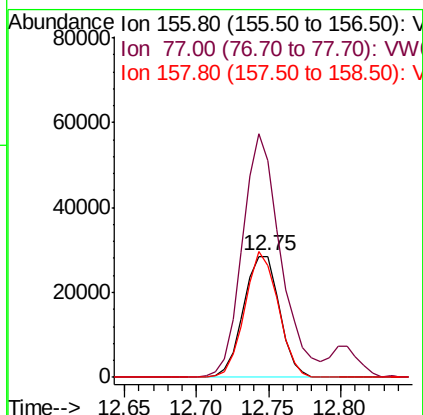
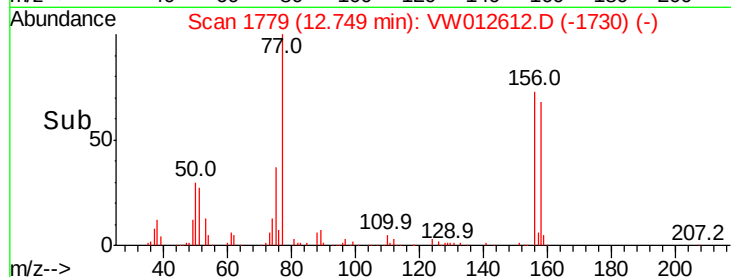
9/7/2019 12:46:16 AM



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: 19.448 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012612.D

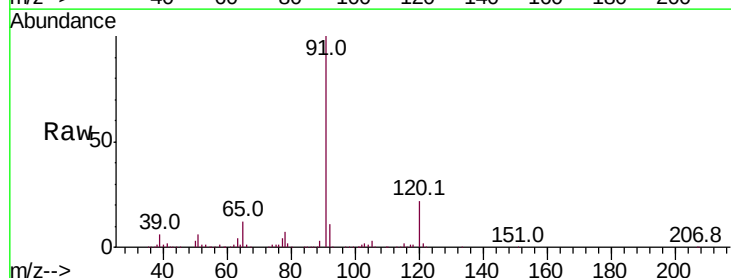
Acq: 05 Sep 2019 02:15

Tgt Ion: 91 Resp: 252293

Ion Ratio Lower Upper

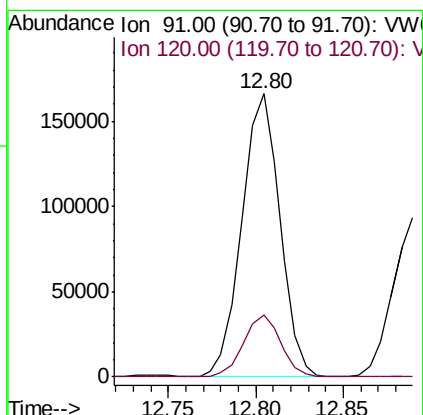
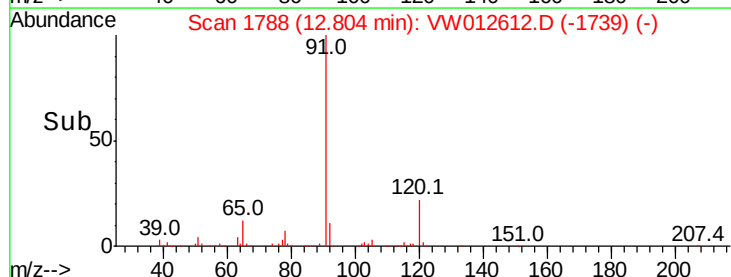
91 100

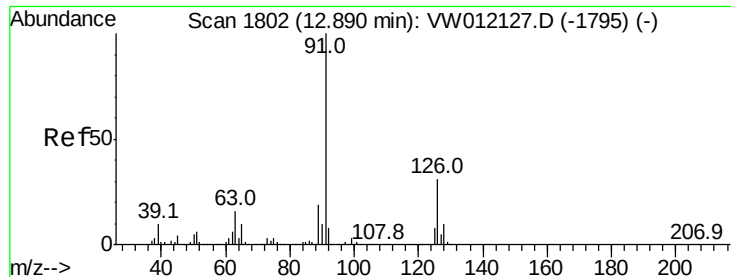
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.475 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW0904SBSD02

Tot Ion: 91 Resp: 150803

Ion Ratio Lower Upper

91 100

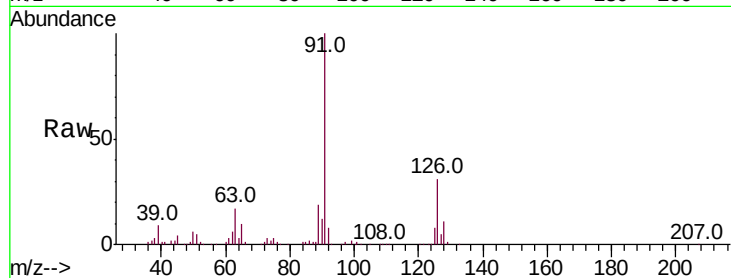
126 31.0 15.7 47.0

Manual Integrations

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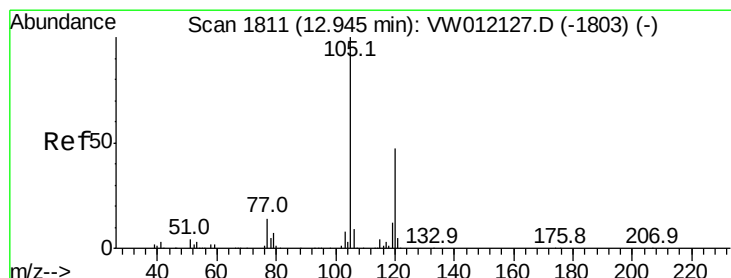
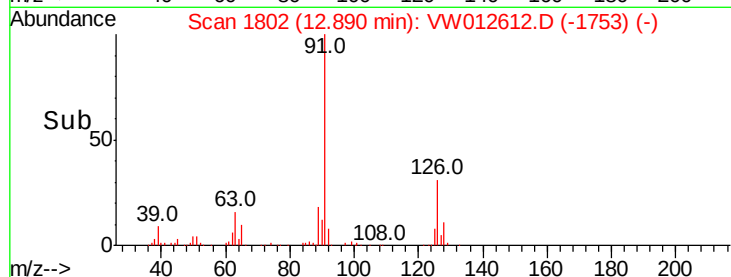
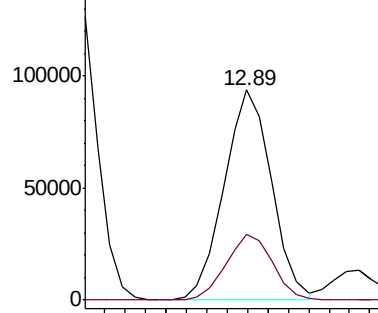
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.558 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012612.D

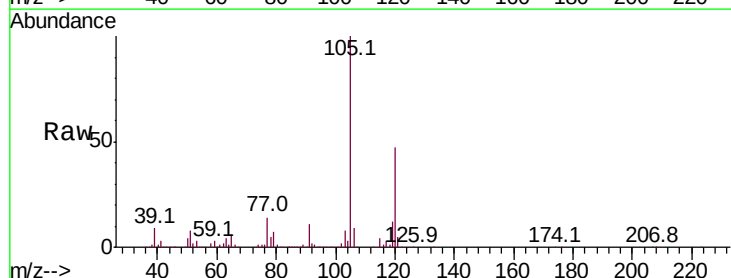
Acq: 05 Sep 2019 02:15

Tgt Ion:105 Resp: 182540

Ion Ratio Lower Upper

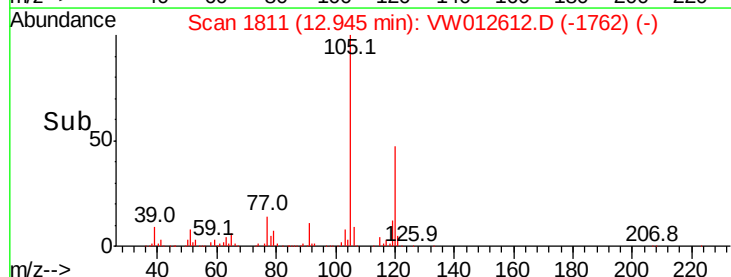
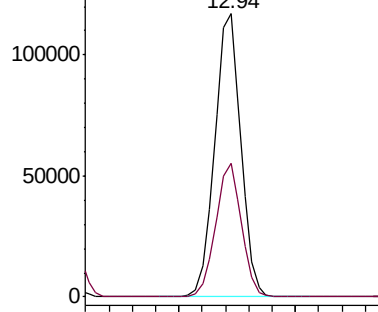
105 100

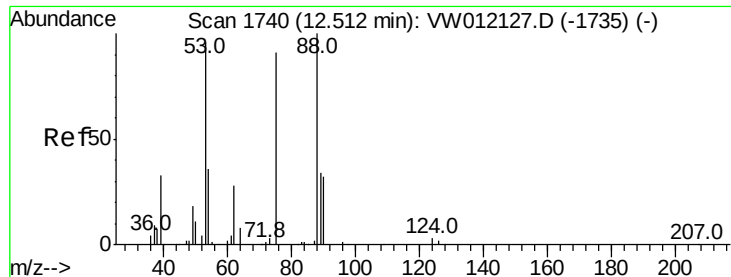
120 46.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





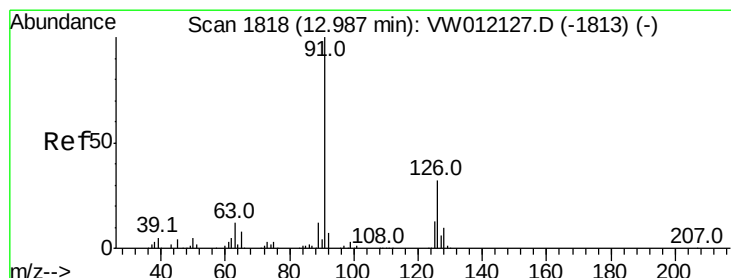
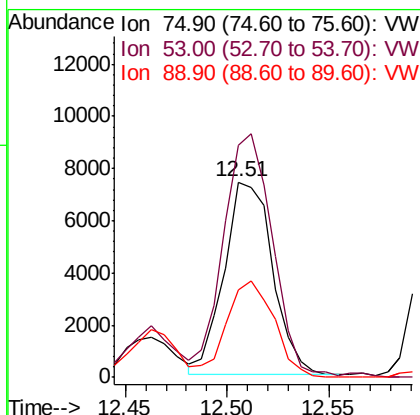
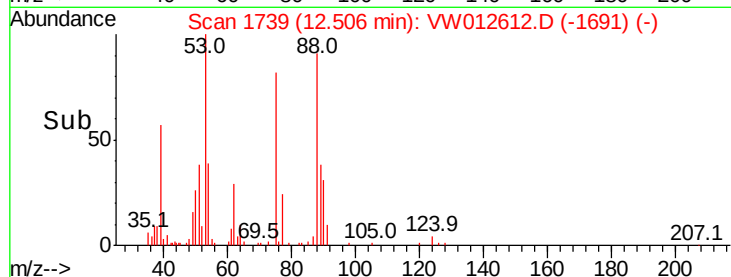
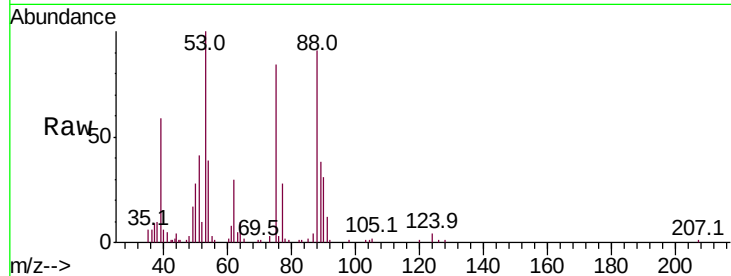
#81
trans-1,4-Dichloro-2-butene
Concen: 19.422 ug/l
RT: 12.51 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.7	89.4	134.0
89	49.1	34.5	51.7

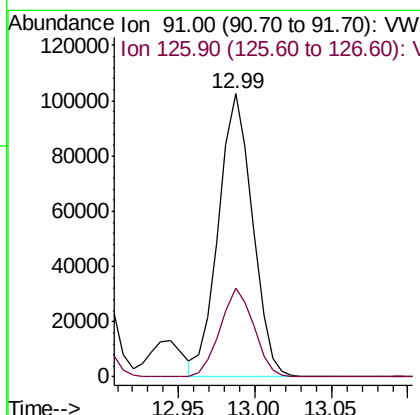
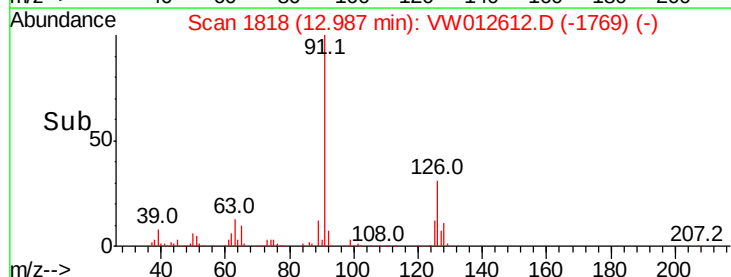
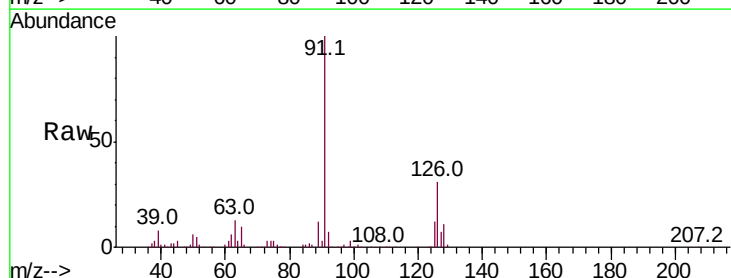
Manual Integrations
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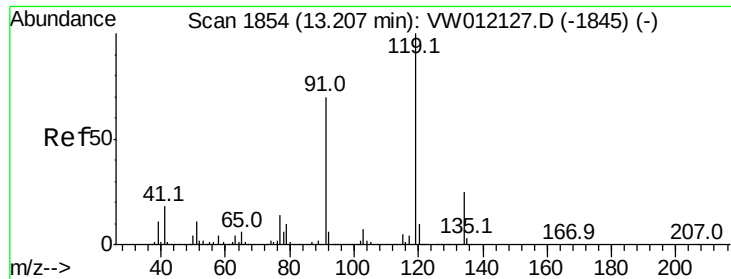
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.599 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





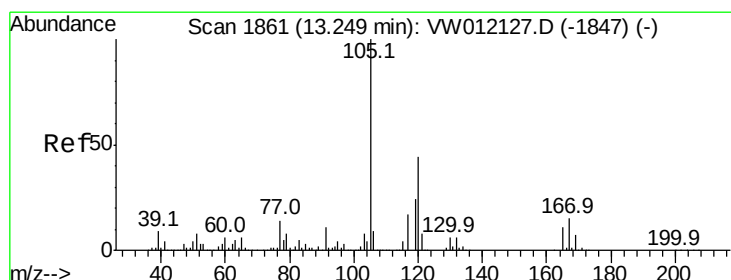
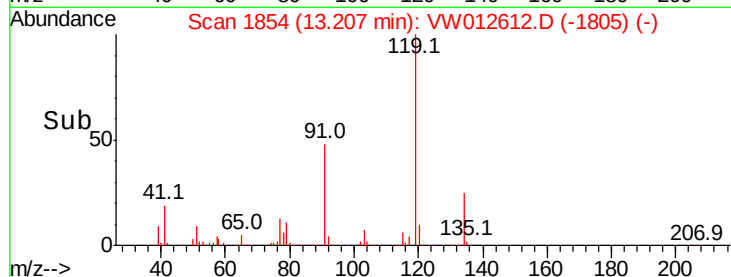
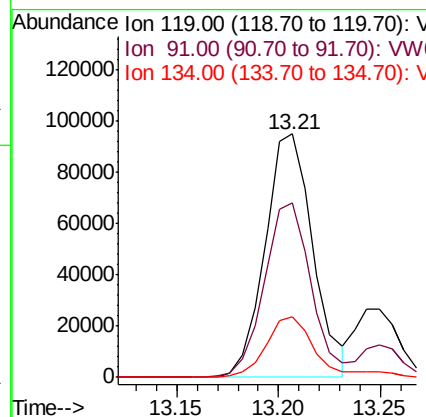
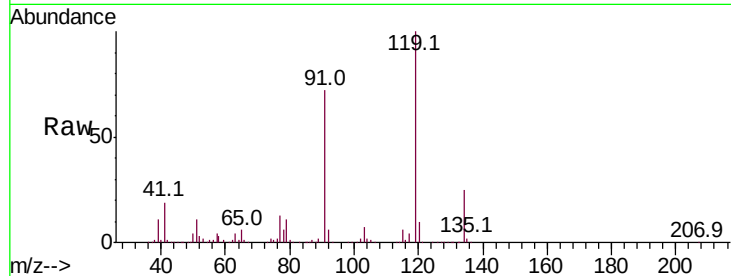
#83
 tert-Butylbenzene
 Concen: 20.626 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155141		
91	69.9	34.8	104.3	
134	26.1	13.3	39.8	

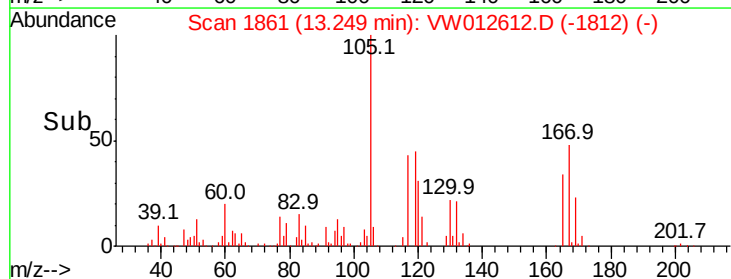
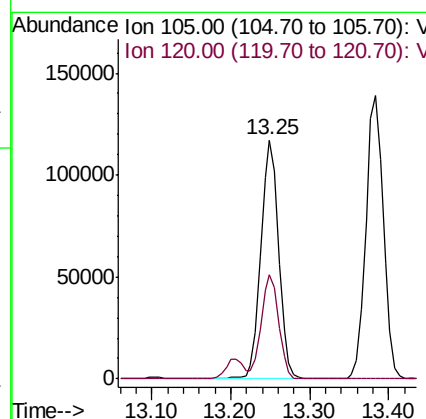
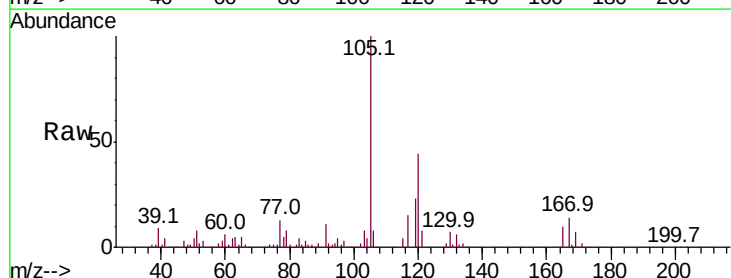
Manual Integrations
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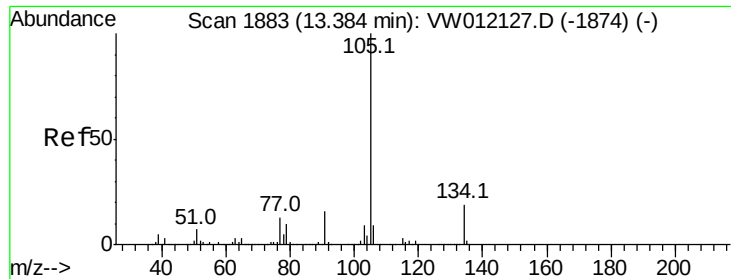
MMDadoda
 9/7/2019 12:46:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.655 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	184229		
120	43.0	21.9	65.7	





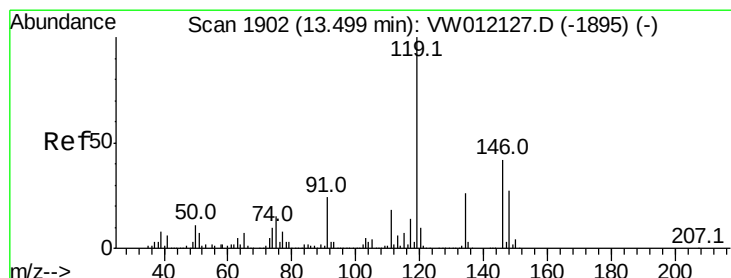
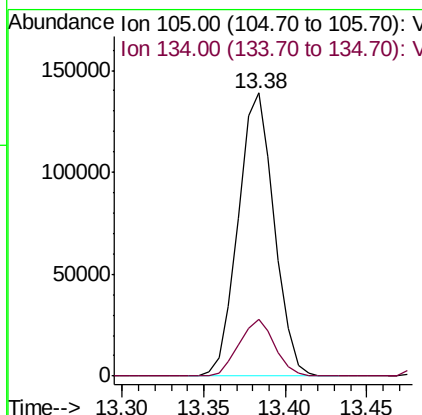
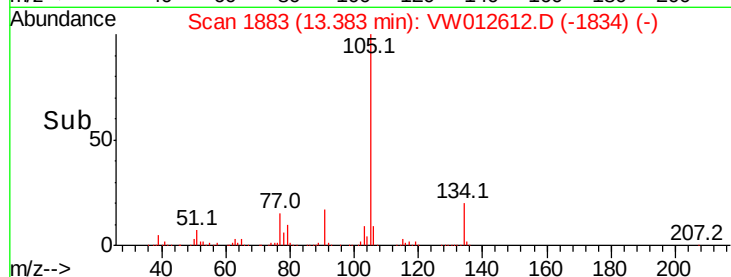
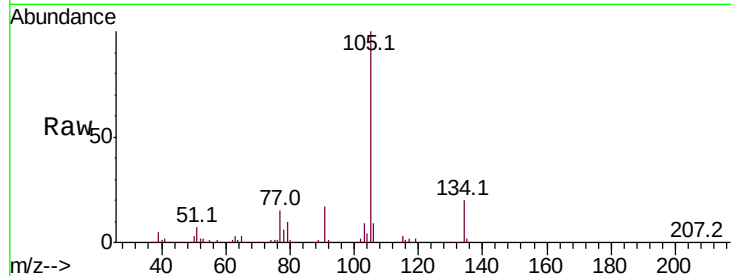
#85
 sec-Butylbenzene
 Concen: 19.854 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	213944		
134	19.9	9.8	29.4	

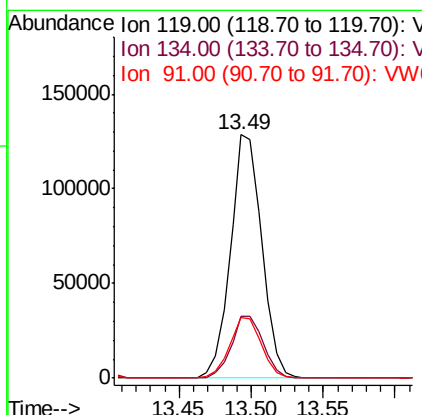
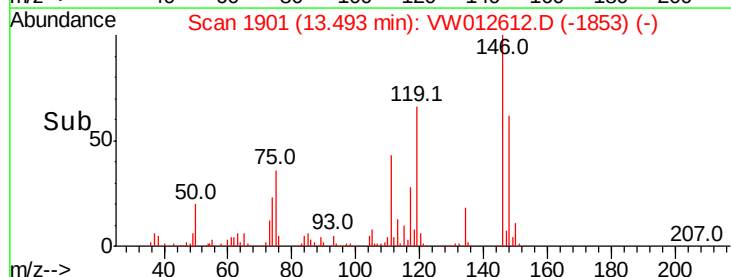
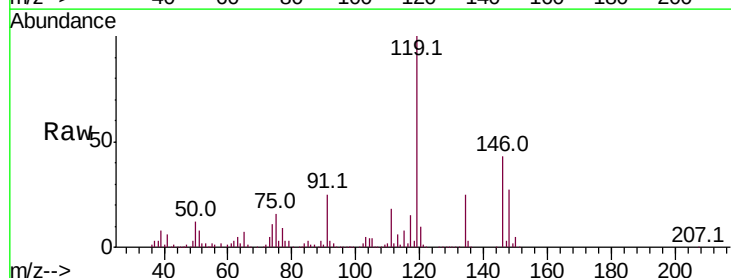
Manual Integrations
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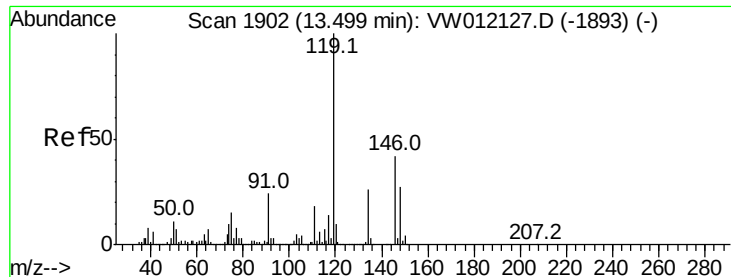
MMDadoda
 9/7/2019 12:46:16 AM



#86
 p-Isopropyltoluene
 Concen: 20.197 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	194368		
134	26.1	12.8	38.3	
91	25.5	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 21.375 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

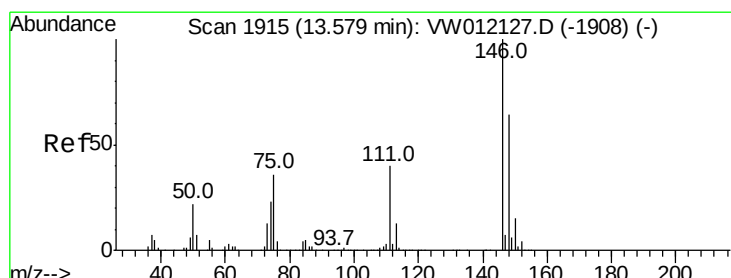
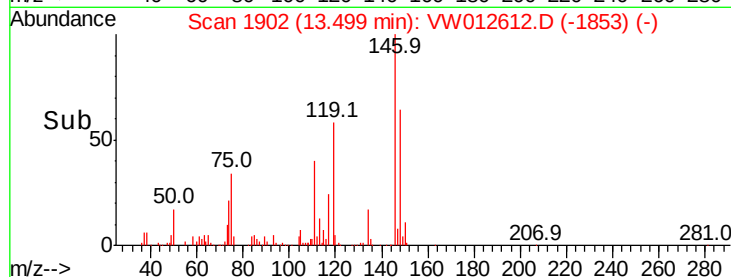
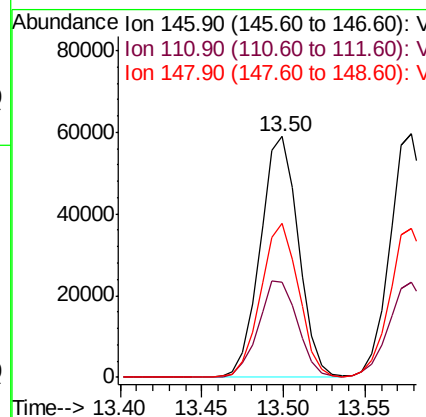
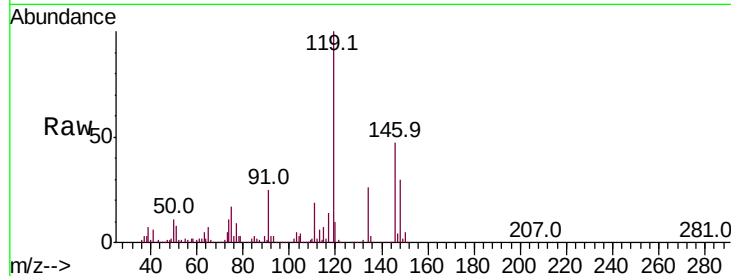
Instrument :
MSVOA_W

ClientSampleId :
VW0904SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.2	20.9	62.7	
148	63.4	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.704 ug/l

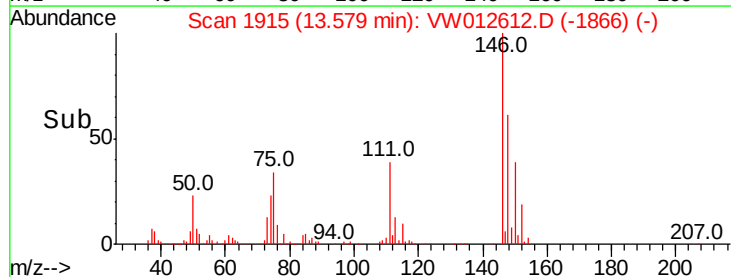
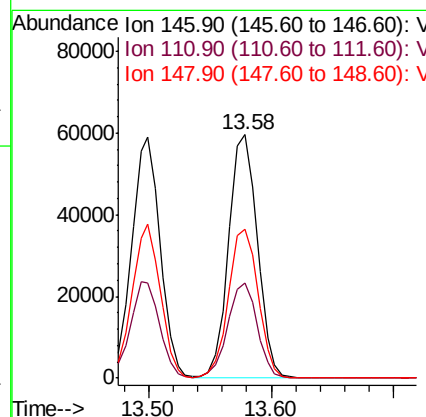
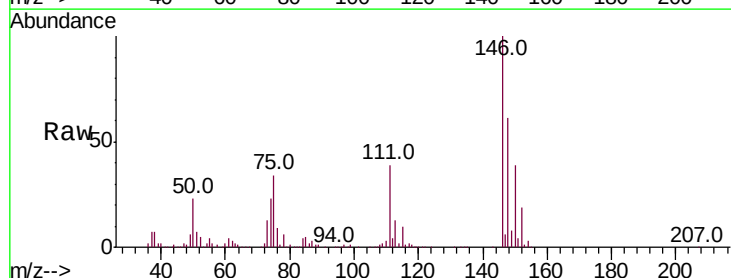
RT: 13.58 min Scan# 1915

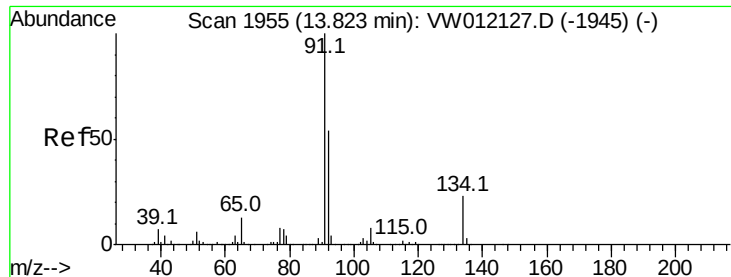
Delta R.T. -0.00 min

Lab File: VW012612.D

Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.4	20.0	60.0	
148	63.3	32.1	96.3	





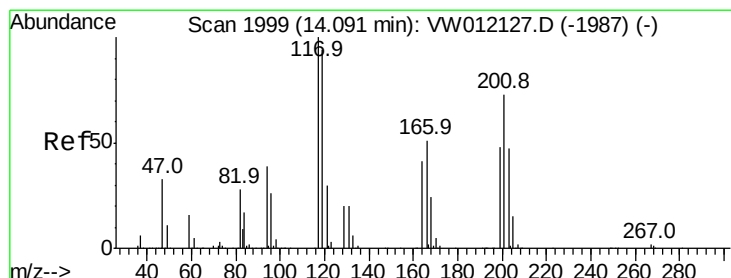
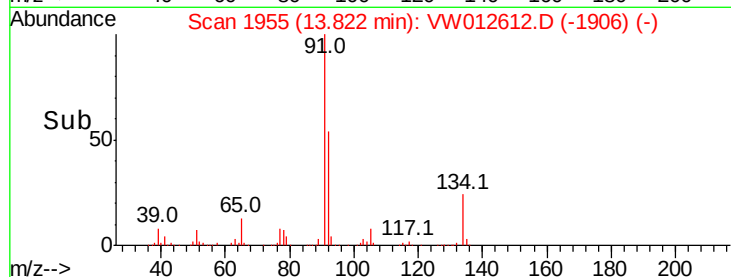
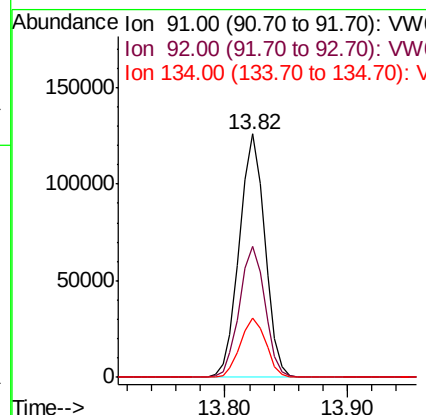
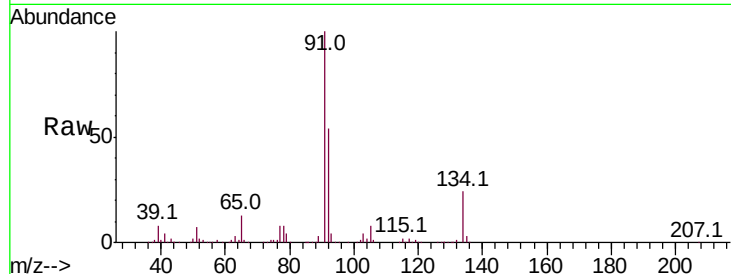
#89
n-Butylbenzene
Concen: 18.974 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	181577		
92	54.1		27.1	81.2
134	24.4		12.2	36.4

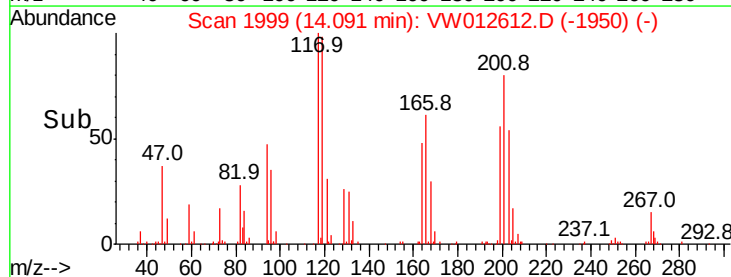
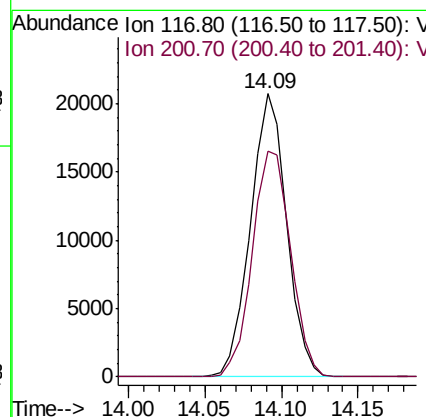
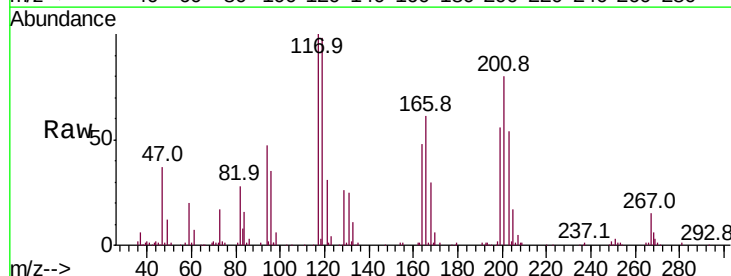
Manual Integrations
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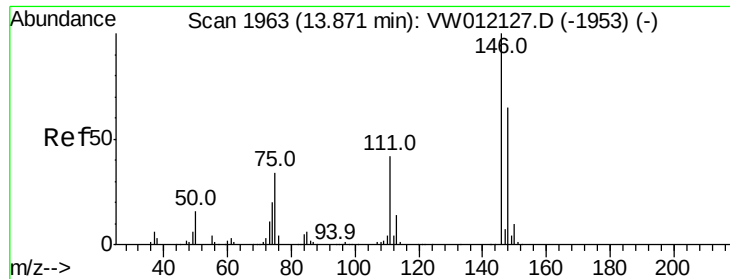
MMDadoda
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#90
Hexachloroethane
Concen: 20.166 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34049		
201	85.0		38.6	115.7





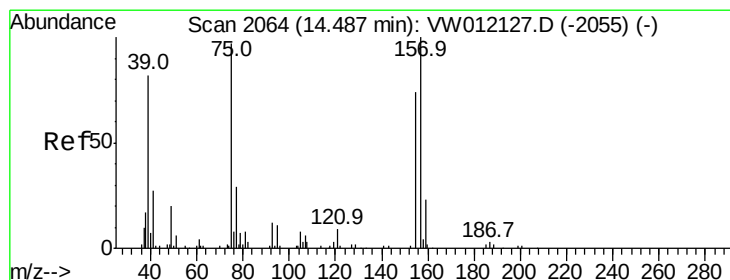
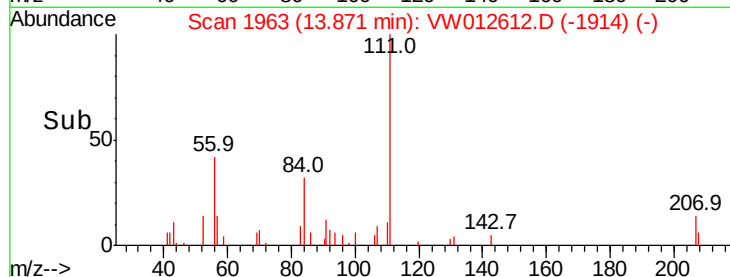
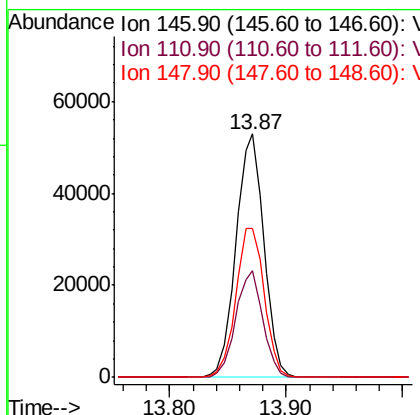
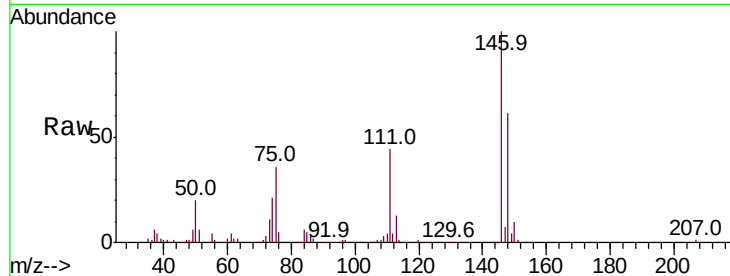
#91
 1,2-Dichlorobenzene
 Concen: 22.390 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.2	63.6
148	62.7	32.5	97.4

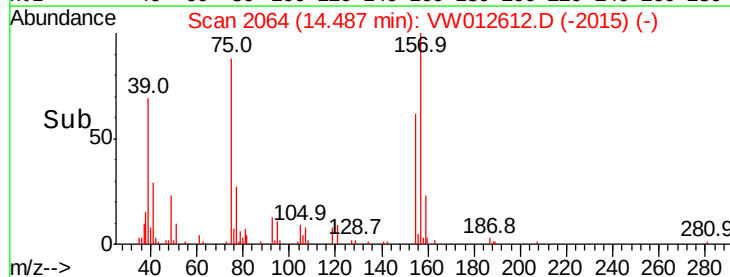
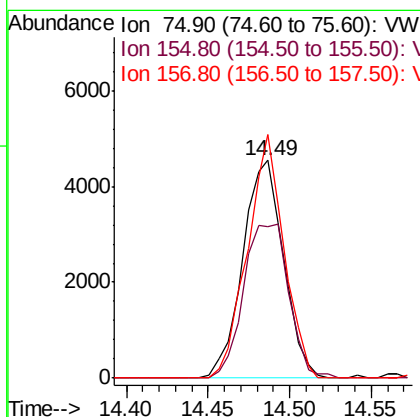
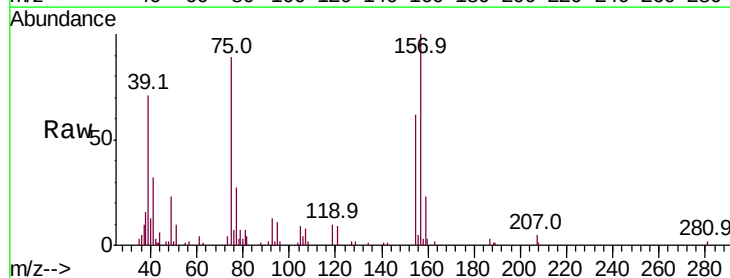
Manual Integrations
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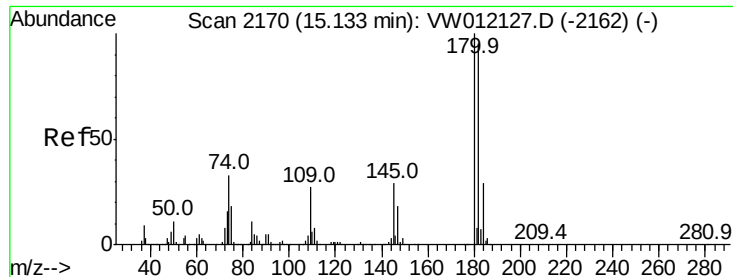
MMDadoda
 9/7/2019 12:46:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.061 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	37.5	112.3
157	99.8	50.5	151.5





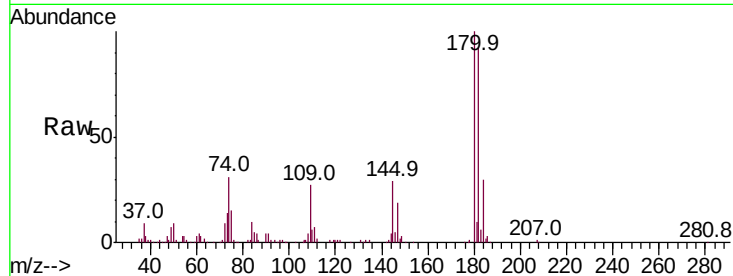
#93
 1,2,4-Trichlorobenzene
 Concen: 21.838 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59530		
182	94.0	47.8	143.4	
145	28.9	15.0	45.1	

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:16 AM

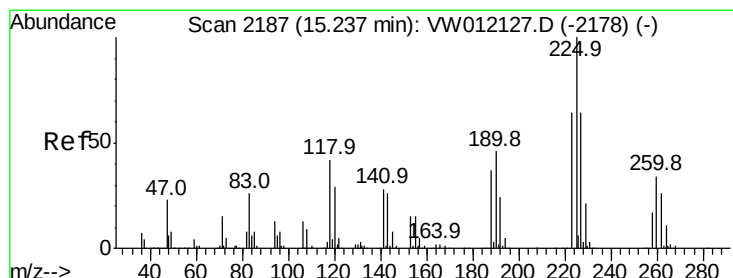
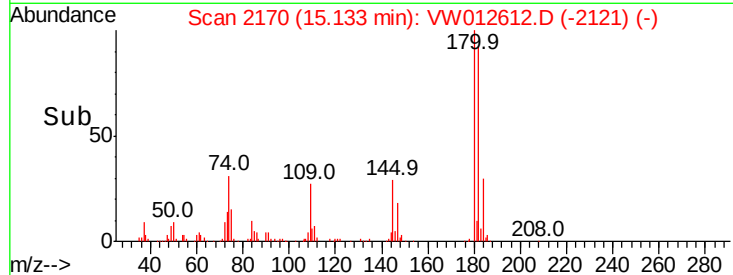
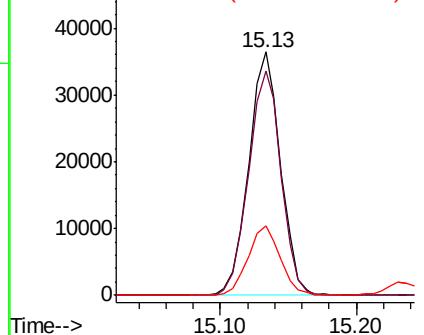


Abundance

Ion 179.80 (179.50 to 180.50): V

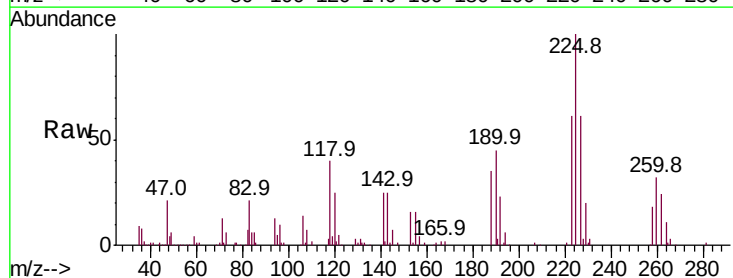
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.886 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012612.D
 Acq: 05 Sep 2019 02:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39395		
223	62.9	32.3	96.8	
227	63.9	32.9	98.6	

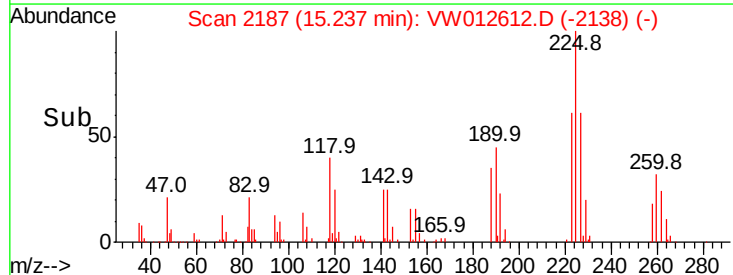
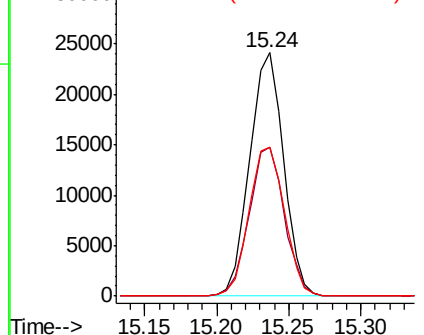


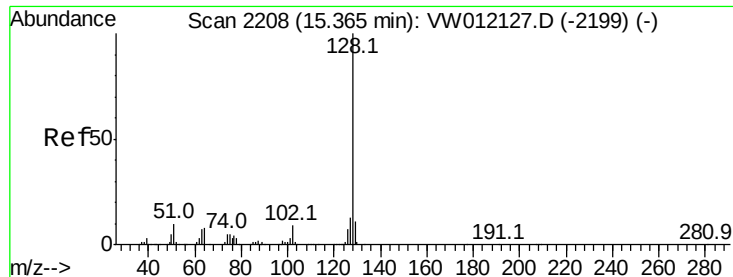
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





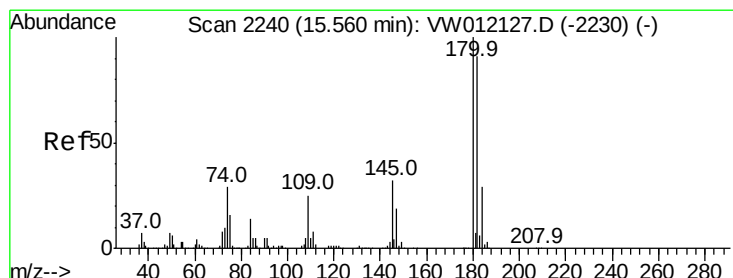
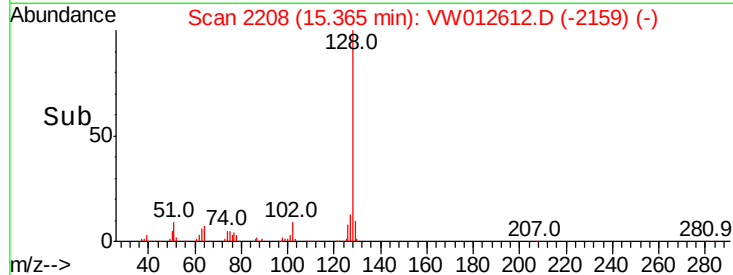
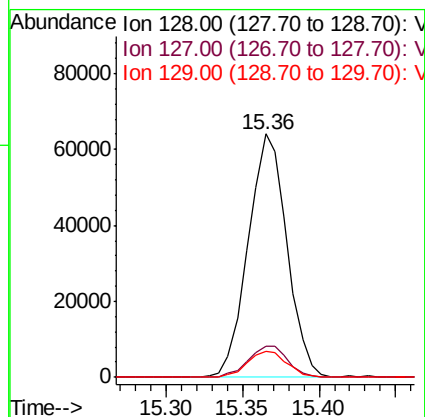
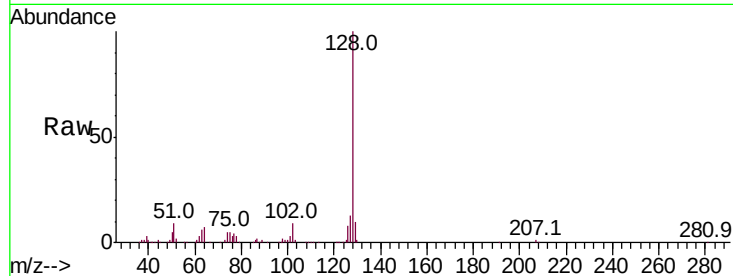
#95
Naphthalene
Concen: 23.543 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW0904SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.4		10.7	16.1	
129	11.0		8.7	13.1	

Manual Integrations
APPROVED

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9/7/2019 12:46:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.598 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012612.D
Acq: 05 Sep 2019 02:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	94.9		47.1	141.3	
145	31.6		16.2	48.5	

