

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012391.D
 Acq On : 31 Aug 2019 11:17
 Operator : SY/VA
 Sample : VW0831SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:08 AM

Quant Time: Aug 31 17:27:30 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	236238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	146754	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.88	113	116769	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	10.32	98	465116	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.61	95	165588	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23390	16.080	ug/l	97
3) Chloromethane	2.21	50	43893	19.477	ug/l	99
4) Vinyl Chloride	2.35	62	53831	19.516	ug/l	97
5) Bromomethane	2.76	94	28348	20.293	ug/l	95
6) Chloroethane	2.92	64	31368	20.159	ug/l	96
7) Trichlorofluoromethane	3.25	101	31840	22.989	ug/l	94
8) Diethyl Ether	3.68	74	26160	19.899	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	47438	20.150	ug/l	96
10) Methyl Iodide	4.27	142	61992	19.461	ug/l	97
11) Tert butyl alcohol	5.16	59	18156	107.431	ug/l	100
12) 1,1-Dichloroethene	4.03	96	45060	19.016	ug/l	98
13) Acrolein	3.88	56	13441	84.490	ug/l	98
14) Allyl chloride	4.67	41	101237	19.984	ug/l	98
15) Acrylonitrile	5.37	53	67976	104.318	ug/l	99
16) Acetone	4.12	43	67094	93.464	ug/l	95
17) Carbon Disulfide	4.38	76	118242	16.511	ug/l	100
18) Methyl Acetate	4.67	43	39325	22.117	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	85353	22.274	ug/l	98
20) Methylene Chloride	4.91	84	54898	20.229	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	49963	19.663	ug/l	97
22) Diisopropyl ether	6.31	45	204176	21.744	ug/l	99
23) Vinyl Acetate	6.25	43	588545	101.847	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106397	20.810	ug/l	98
25) 2-Butanone	7.16	43	93923	96.283	ug/l	98
26) 2,2-Dichloropropane	7.16	77	64250	22.202	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	56081	20.657	ug/l	98
28) Bromochloromethane	7.51	49	48565	21.794	ug/l	99
29) Tetrahydrofuran	7.53	42	59220	101.187	ug/l	98
30) Chloroform	7.67	83	101315	21.660	ug/l	100
31) Cyclohexane	7.95	56	94356	18.654	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	81738	22.089	ug/l	99
36) 1,1-Dichloropropene	8.08	75	79853	20.818	ug/l	100
37) Ethyl Acetate	7.25	43	43179	20.542	ug/l	99
38) Carbon Tetrachloride	8.07	117	71849	21.641	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83948	19.481	ug/l	97
40) Benzene	8.32	78	217663	20.781	ug/l	99
41) Methacrylonitrile	7.48	41	26690	21.604	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72482	22.080	ug/l	100
43) Isopropyl Acetate	8.42	43	81227	20.862	ug/l	99
44) Trichloroethene	9.09	130	53267	20.920	ug/l	92
45) 1,2-Dichloropropane	9.37	63	59557	21.128	ug/l	100
46) Dibromomethane	9.46	93	27137	21.637	ug/l	98
47) Bromodichloromethane	9.64	83	72208	21.632	ug/l	99
48) Methyl methacrylate	9.43	41	38142	20.583	ug/l	97
49) 1,4-Dioxane	9.44	88	7779	405.149	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	207721	104.890	ug/l	99
52) Toluene	10.39	92	134173	21.324	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72056	21.192	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86472	21.063	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	38717	21.818	ug/l	99
56) Ethyl methacrylate	10.65	69	53759	20.815	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72097	21.500	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	139551	105.283	ug/l	99
59) 2-Hexanone	10.97	43	141176	100.751	ug/l	99
60) Dibromochloromethane	11.13	129	42166	21.333	ug/l	100
61) 1,2-Dibromoethane	11.23	107	34995	21.168	ug/l	99
64) Tetrachloroethene	10.86	164	44082	21.230	ug/l	97
65) Chlorobenzene	11.66	112	133369	21.148	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48345	21.974	ug/l	99
67) Ethyl Benzene	11.73	91	260101	21.411	ug/l	99
68) m/p-Xylenes	11.84	106	189374	43.276	ug/l	98
69) o-Xylene	12.16	106	85161	21.027	ug/l	97
70) Styrene	12.18	104	149810	21.370	ug/l	99
71) Bromoform	12.35	173	23343	21.296	ug/l #	98
73) Isopropylbenzene	12.46	105	246671	21.043	ug/l	99
74) N-amyl acetate	12.27	43	73400	20.725	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	44035	20.490	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31770m	20.851	ug/l	
77) Bromobenzene	12.75	156	54071	21.321	ug/l	98
78) n-propylbenzene	12.80	91	301716	21.083	ug/l	99
79) 2-Chlorotoluene	12.89	91	172335	21.211	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	209911	21.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13807	19.869	ug/l	99
82) 4-Chlorotoluene	12.99	91	180008	21.159	ug/l	100
83) tert-Butylbenzene	13.21	119	179023	21.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	207949	21.134	ug/l	100
85) sec-Butylbenzene	13.38	105	253560	21.330	ug/l	100
86) p-Isopropyltoluene	13.50	119	231673	21.823	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105397	21.248	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	103954	21.106	ug/l	99
89) n-Butylbenzene	13.82	91	226273	21.433	ug/l	100
90) Hexachloroethane	14.09	117	39783	21.359	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	94564	21.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7513	20.737	ug/l	96

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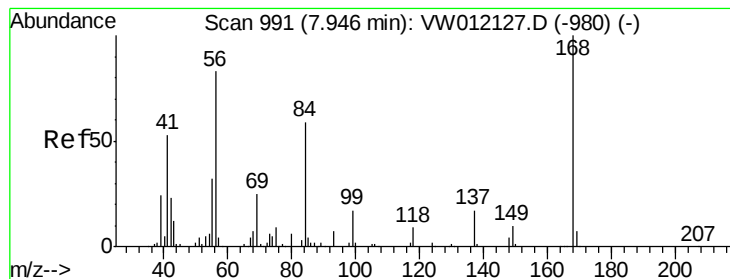
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62530	20.794	ug/l	100
94) Hexachlorobutadiene	15.24	225	45069	22.698	ug/l	99
95) Naphthalene	15.36	128	100131	19.823	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	53712	20.472	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion:168 Resp: 236238

Ion Ratio Lower Upper

168 100

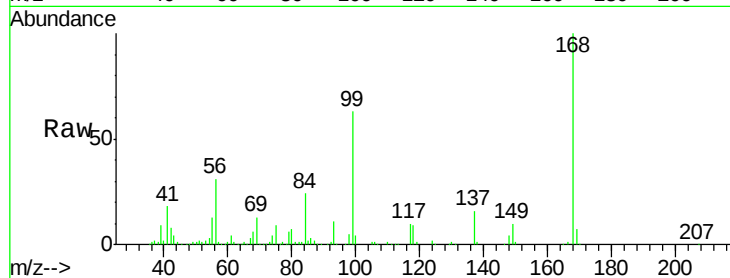
99 62.6 49.2 73.8

Manual Integrations

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9/3/2019 2:42:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

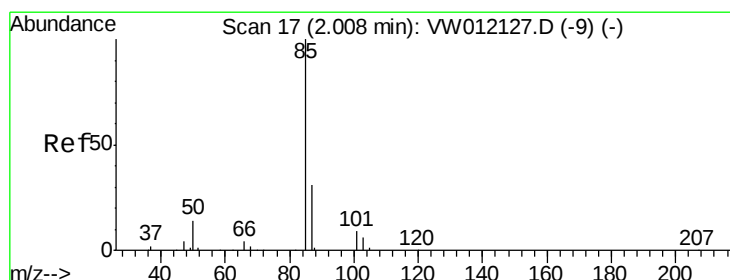
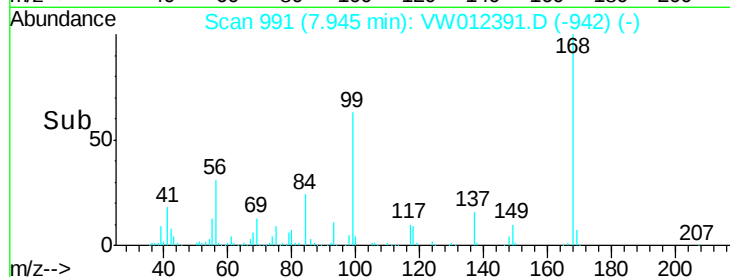
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.080 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012391.D

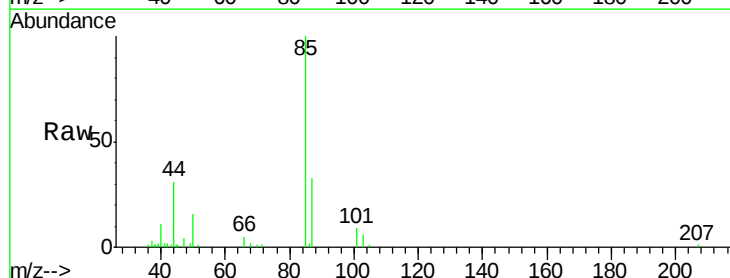
Acq: 31 Aug 2019 11:17

Tgt Ion: 85 Resp: 23390

Ion Ratio Lower Upper

85 100

87 32.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

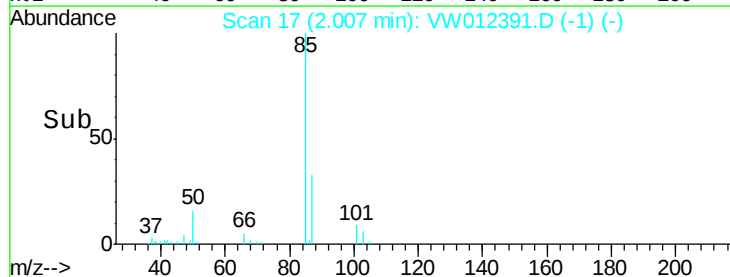
6000

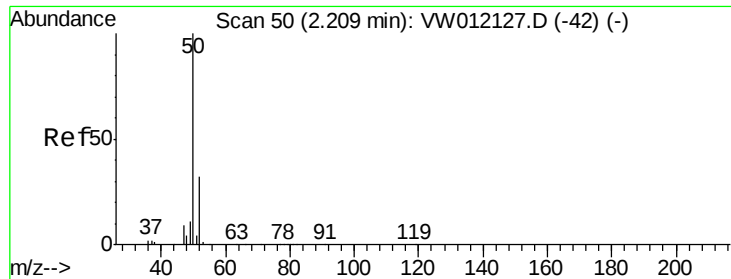
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.477 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 50 Resp: 43893

Ion Ratio Lower Upper

50 100

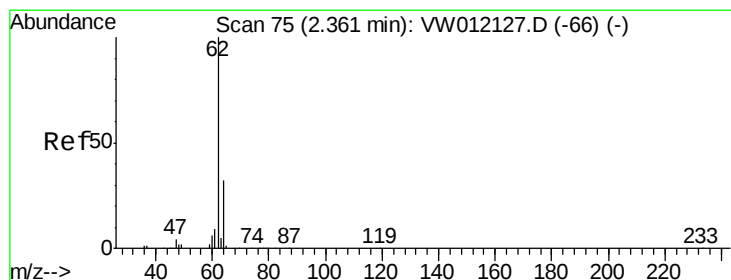
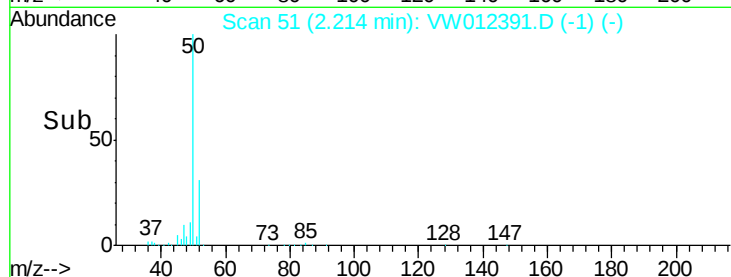
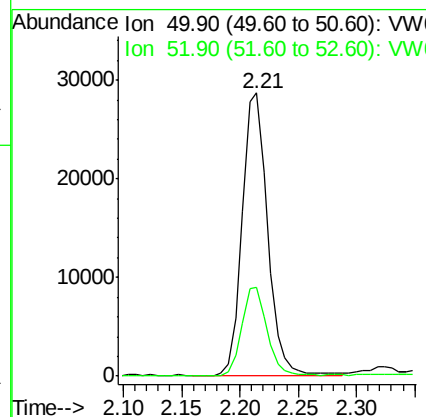
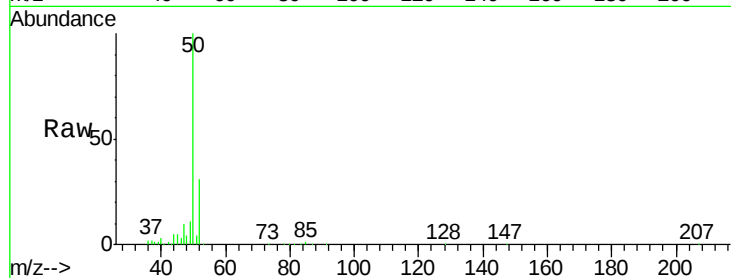
52 31.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.516 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012391.D

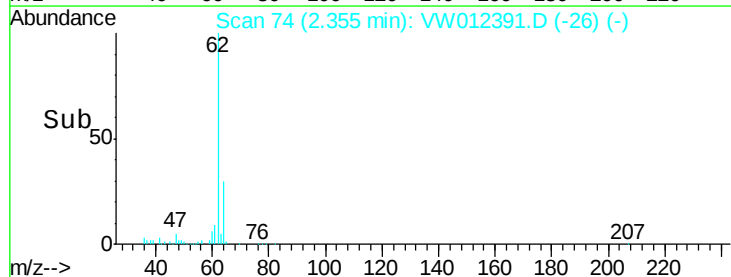
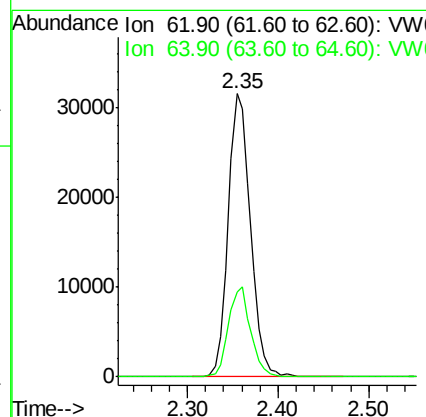
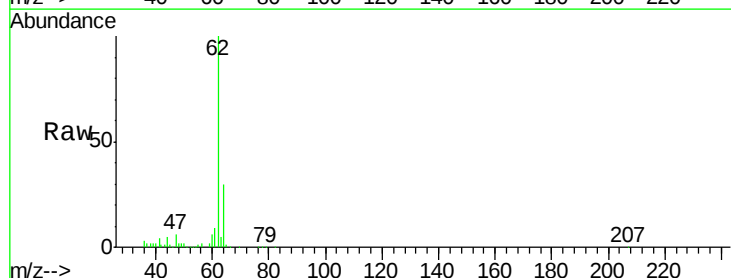
Acq: 31 Aug 2019 11:17

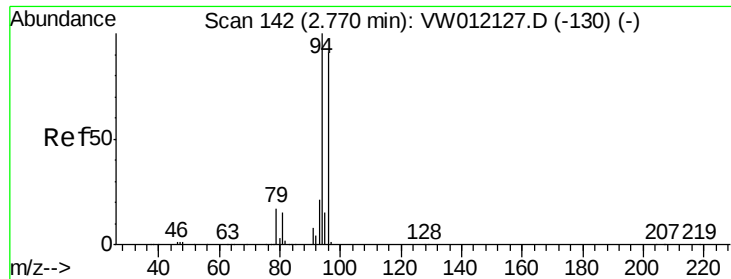
Tgt Ion: 62 Resp: 53831

Ion Ratio Lower Upper

62 100

64 29.8 25.3 37.9





#5

Bromomethane

Concen: 20.293 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 94 Resp: 28348

Ion Ratio Lower Upper

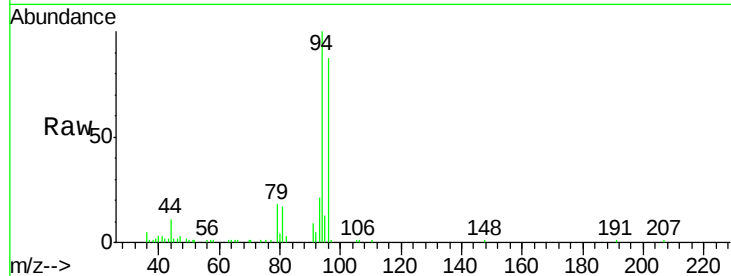
94 100

96 86.2 72.9 109.3

Manual Integrations
APPROVED

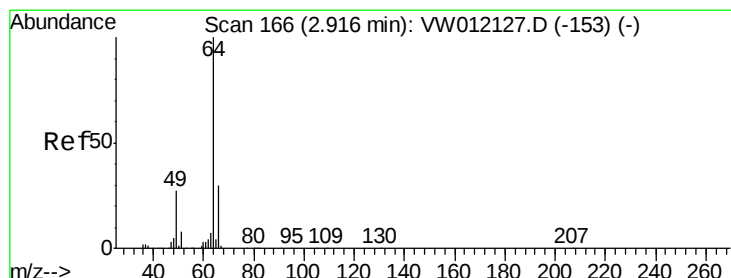
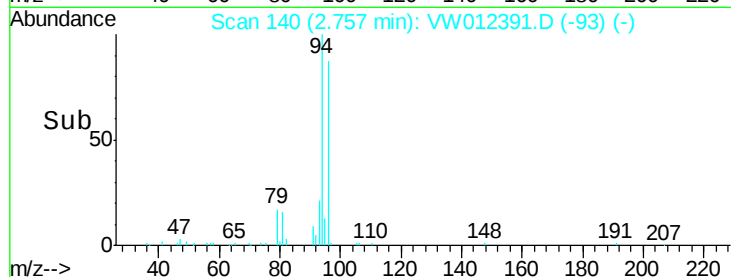
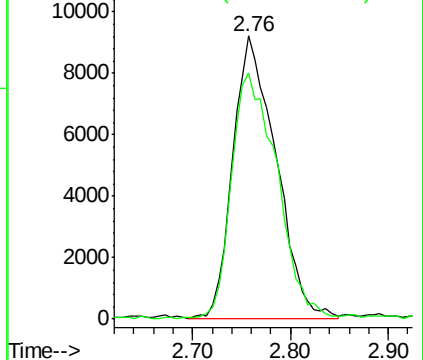
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.159 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012391.D

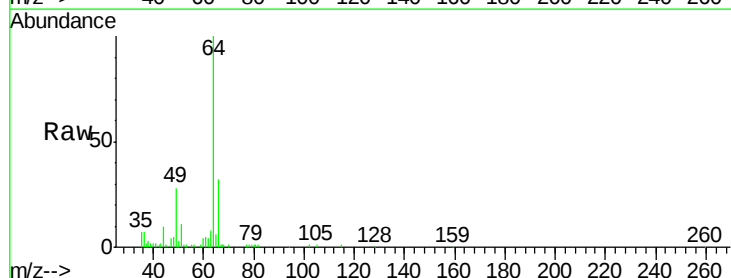
Acq: 31 Aug 2019 11:17

Tgt Ion: 64 Resp: 31368

Ion Ratio Lower Upper

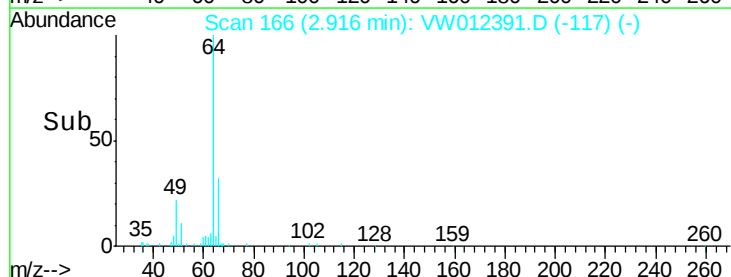
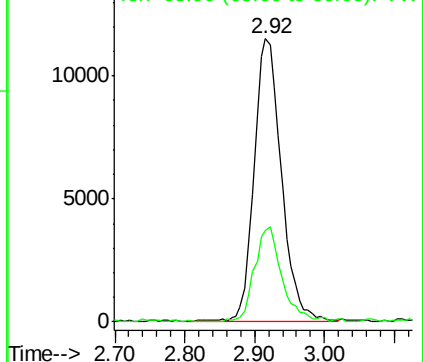
64 100

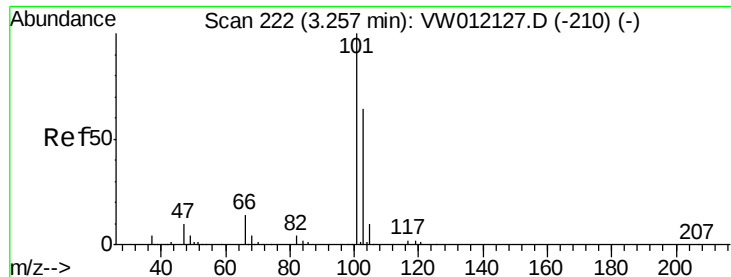
66 31.7 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

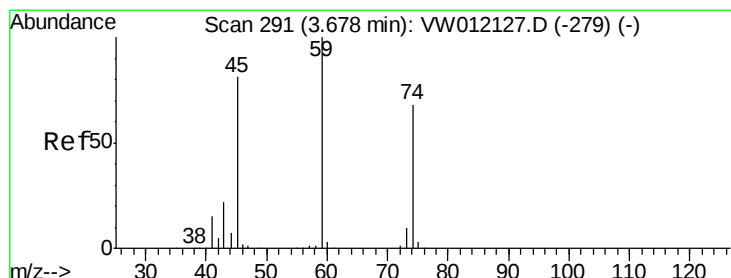
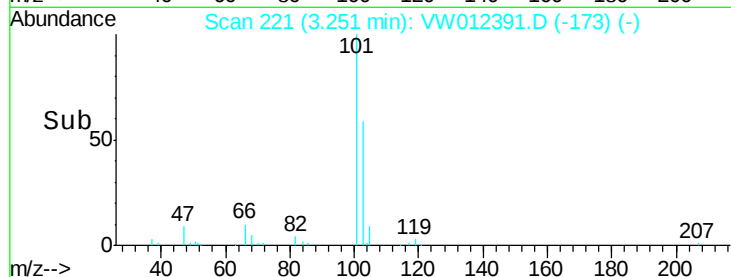
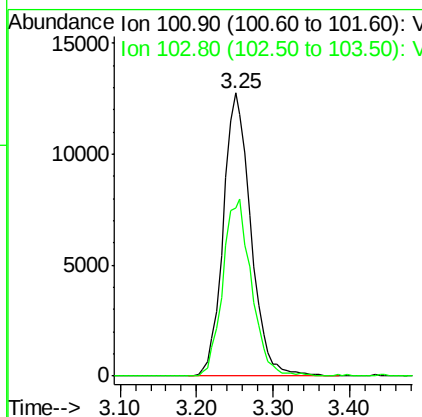
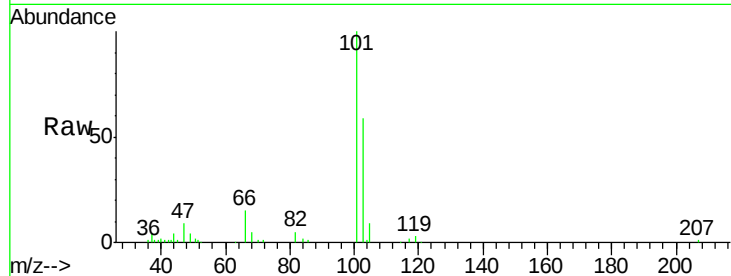
Trichlorofluoromethane
 Concen: 22.989 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.2	51.2	76.8

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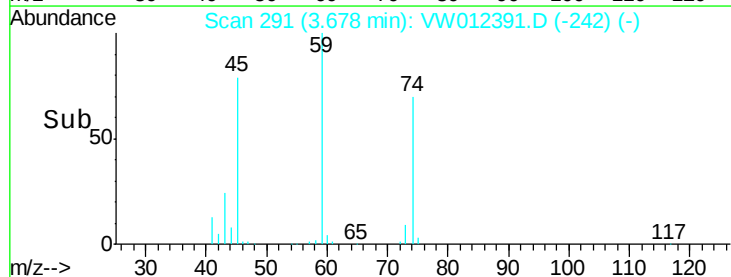
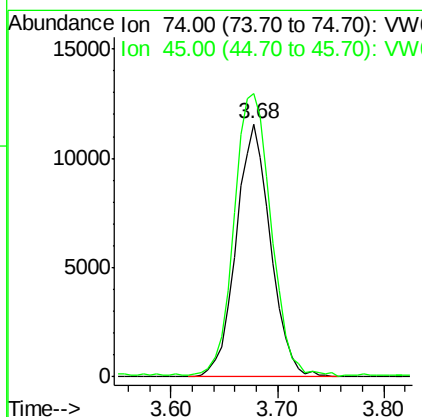
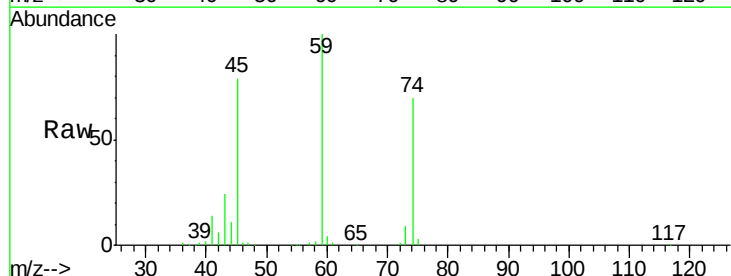
MMDadoda
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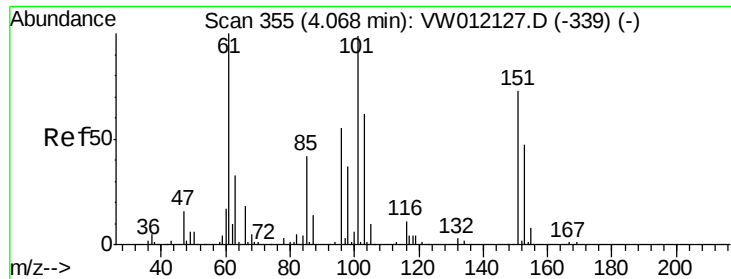


#8

Diethyl Ether
 Concen: 19.899 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.2	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.150 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

VW0831SBS01

Tot Ion:101 Resp: 47438

Ion Ratio Lower Upper

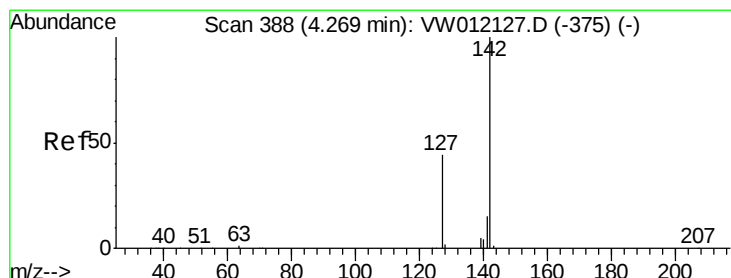
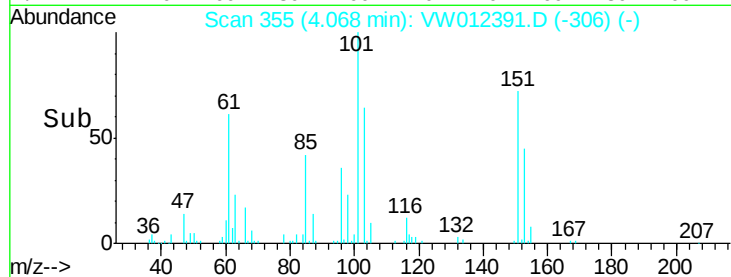
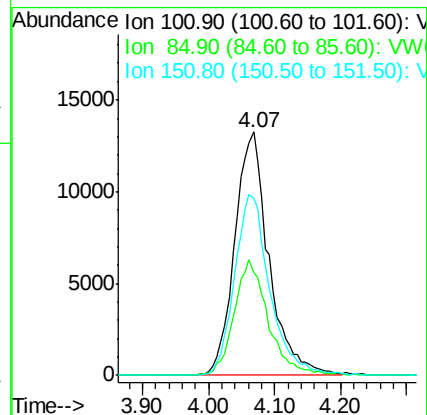
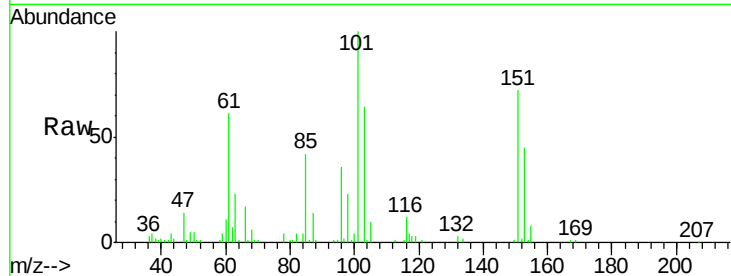
101 100

85 47.4 35.8 53.6

151 76.6 58.6 87.8

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#10

Methyl Iodide

Concen: 19.461 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

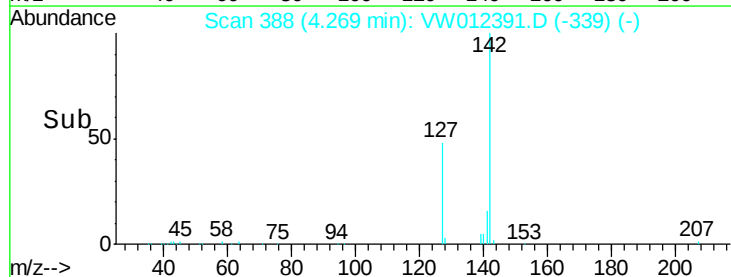
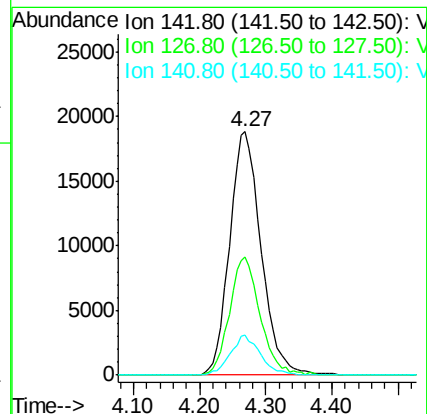
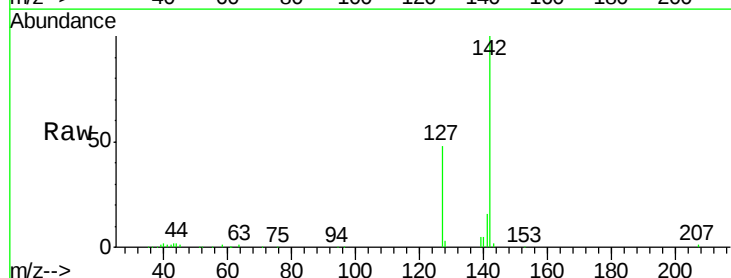
Tgt Ion:142 Resp: 61992

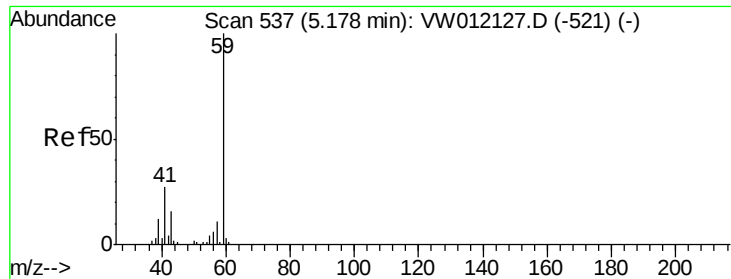
Ion Ratio Lower Upper

142 100

127 46.9 35.5 53.3

141 15.7 11.8 17.8





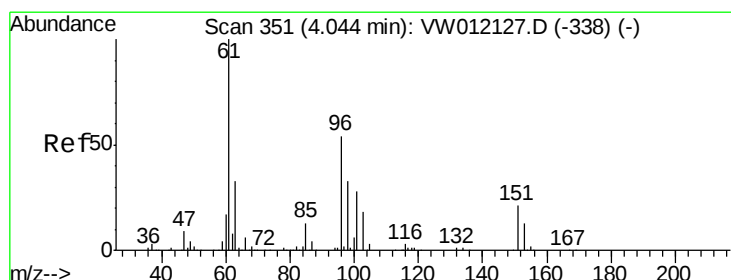
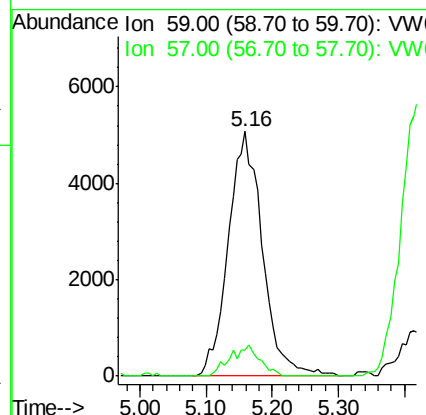
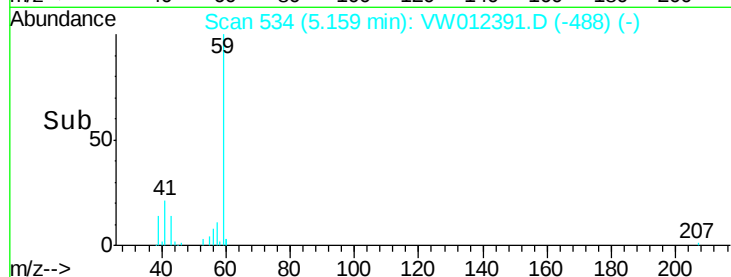
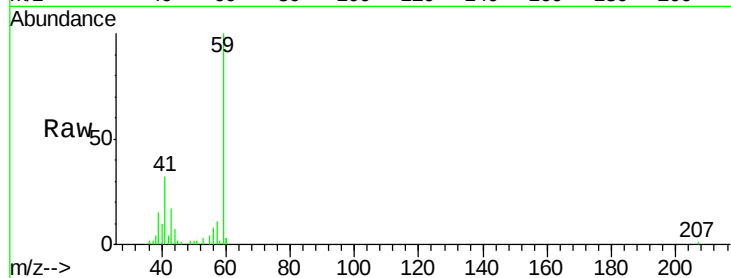
#11
Tert butyl alcohol
Concen: 107.431 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	18156		
57	11.1		9.0	13.4

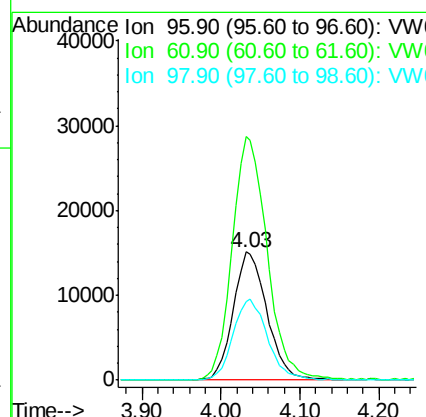
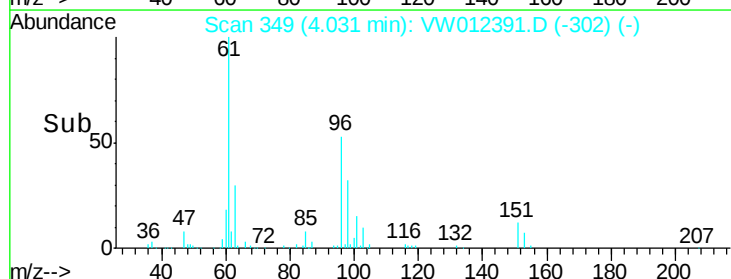
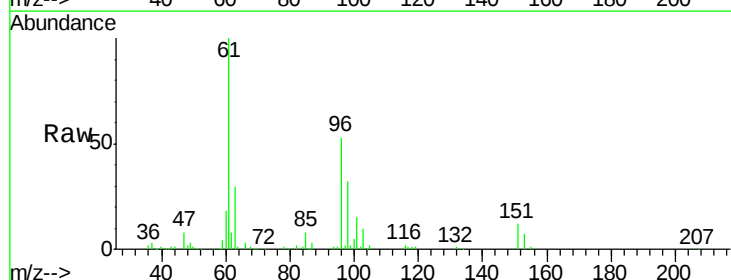
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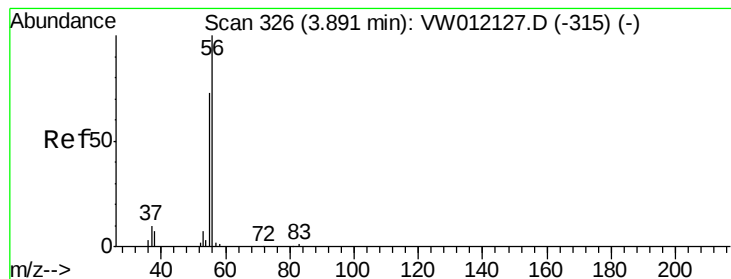
MMDadoda
9/3/2019 2:42:08 AM



#12
1,1-Dichloroethene
Concen: 19.016 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	45060		
61	190.4		149.1	223.7
98	61.0		49.4	74.2





#13

Acrolein

Concen: 84.490 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 56 Resp: 13441

Ion Ratio Lower Upper

56 100

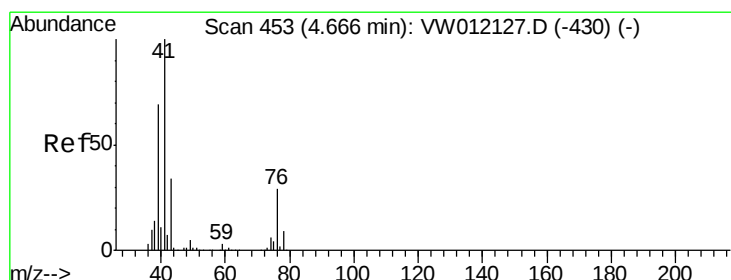
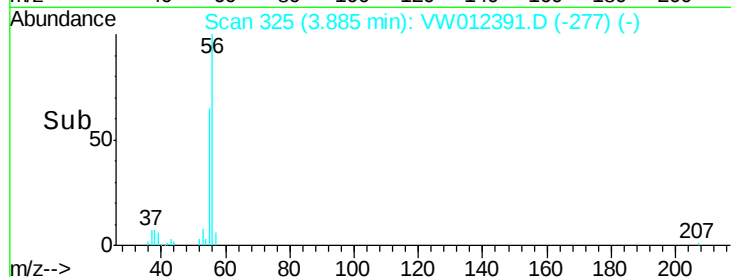
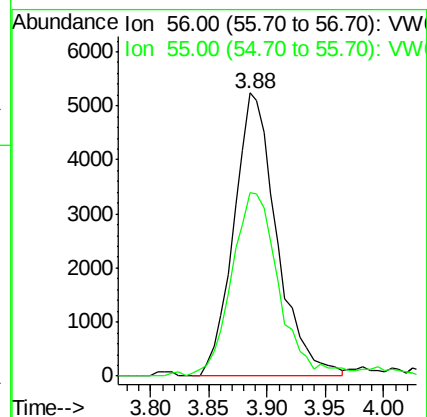
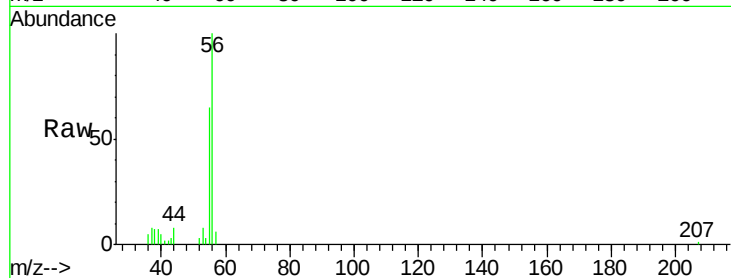
55 71.3 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.984 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

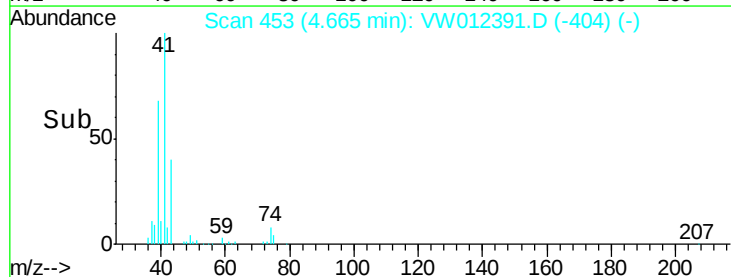
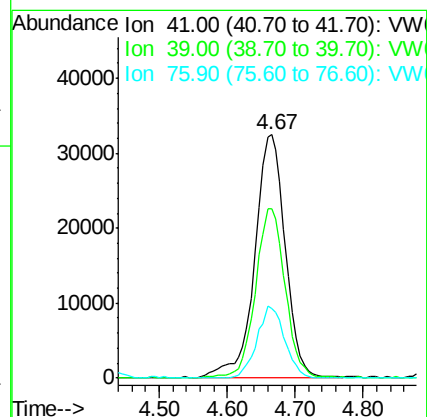
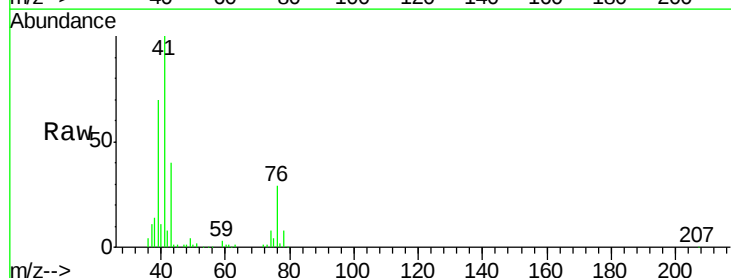
Tgt Ion: 41 Resp: 101237

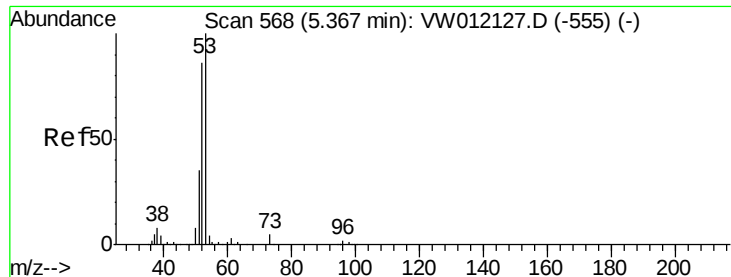
Ion Ratio Lower Upper

41 100

39 68.1 53.4 80.2

76 27.0 22.1 33.1





#15

Acrylonitrile

Concen: 104.318 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

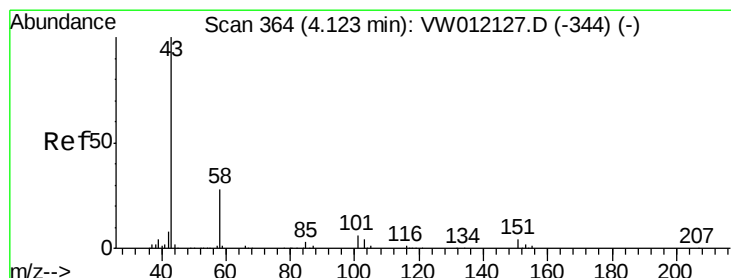
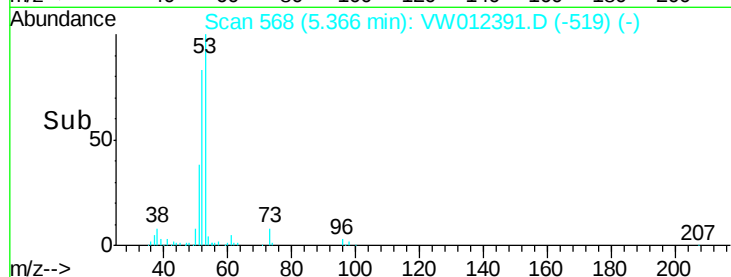
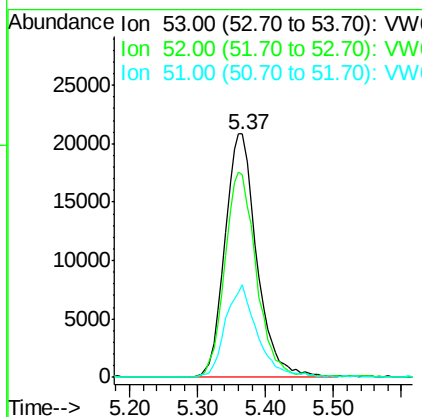
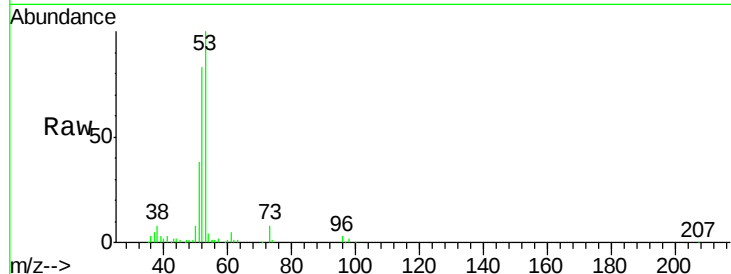
ClientSampleId :

VW0831SBS01

Tot Ion:	53	Resp:	67976
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.7	100.1
51	37.9	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 93.464 ug/l

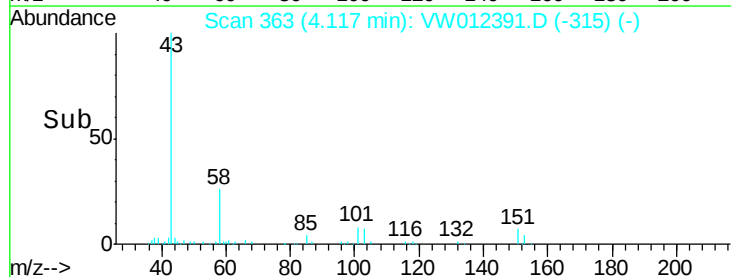
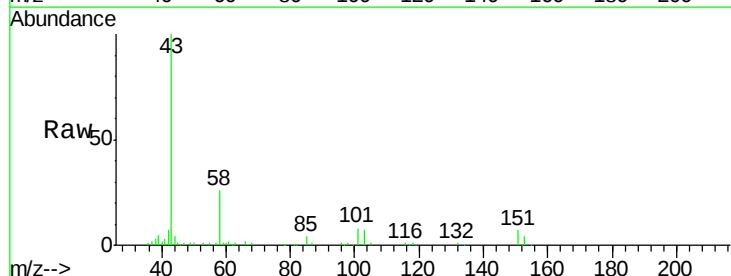
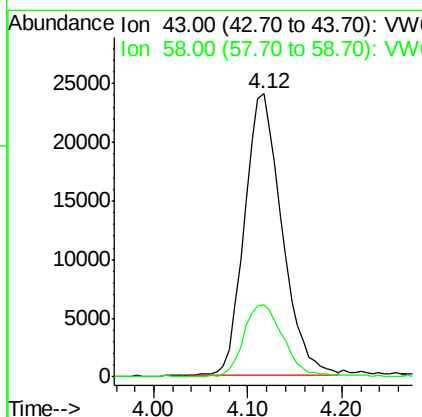
RT: 4.12 min Scan# 363

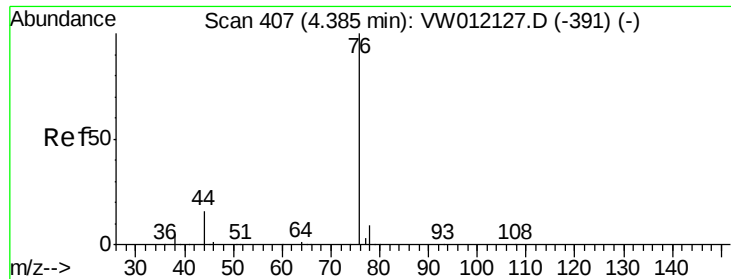
Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion:	43	Resp:	67094
Ion	Ratio	Lower	Upper
43	100		
58	25.3	22.4	33.6





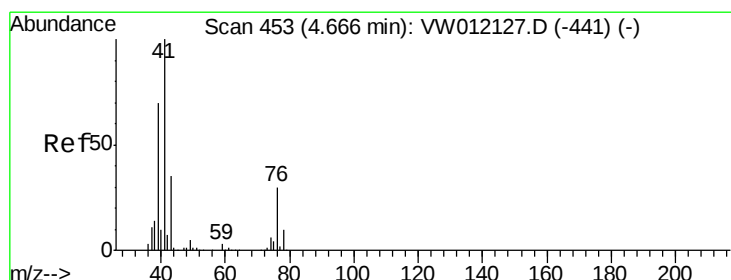
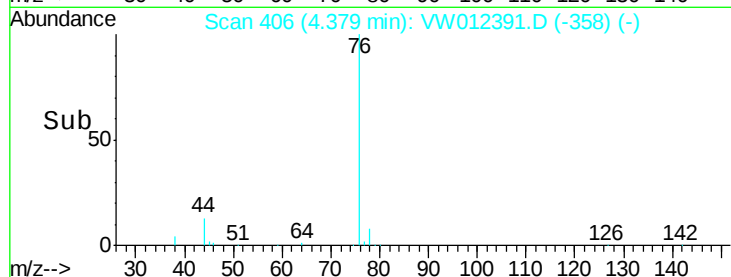
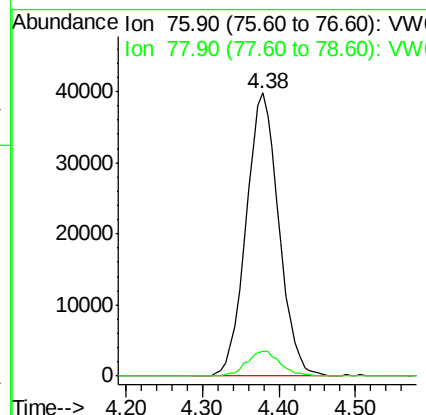
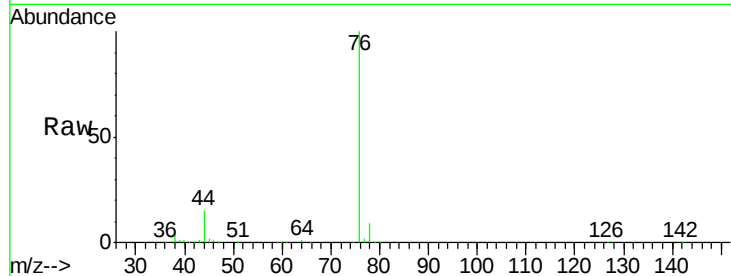
#17
Carbon Disulfide
Concen: 16.511 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

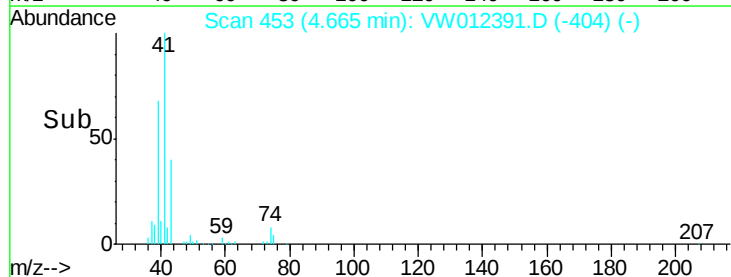
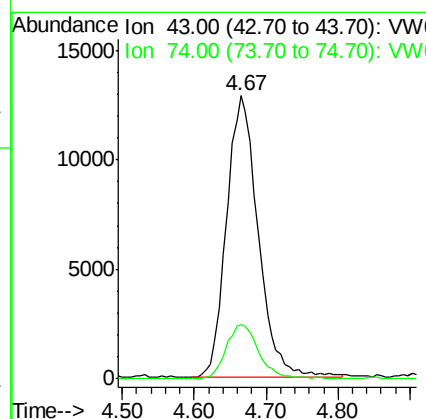
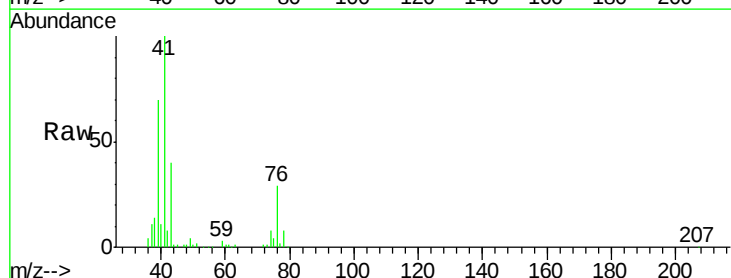
Manual Integrations
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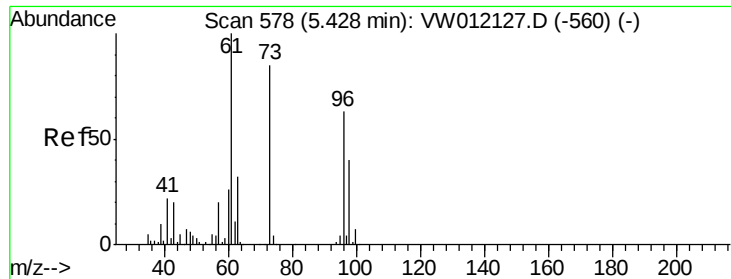
MMDadoda
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#18
Methyl Acetate
Concen: 22.117 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.7	23.5





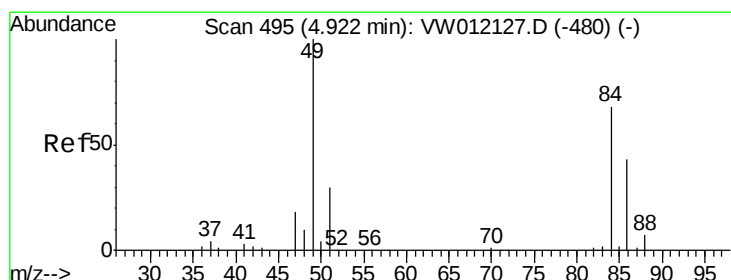
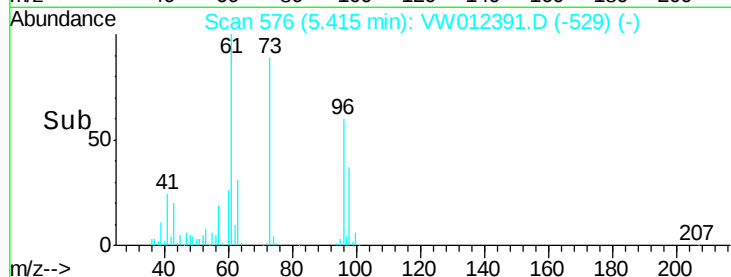
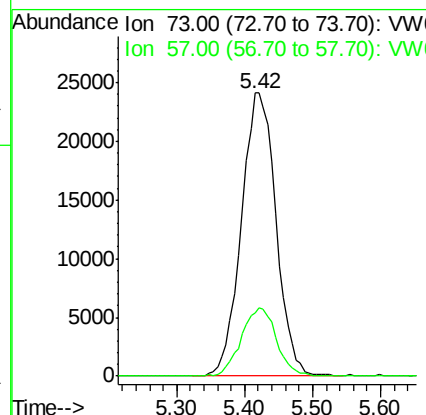
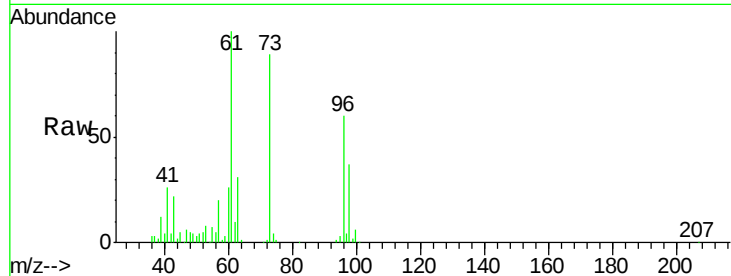
#19
Methvl tert-butvl Ether
Concen: 22.274 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion: 73 Resp: 85353
Ion Ratio Lower Upper
73 100
57 22.4 18.9 28.3

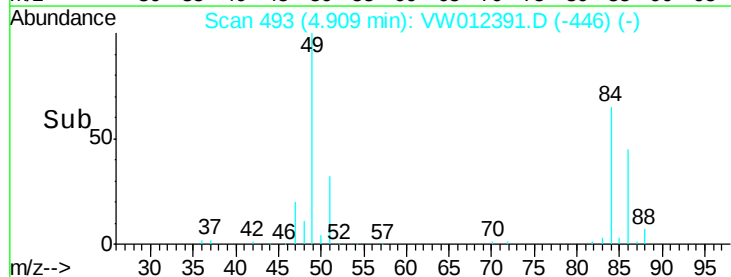
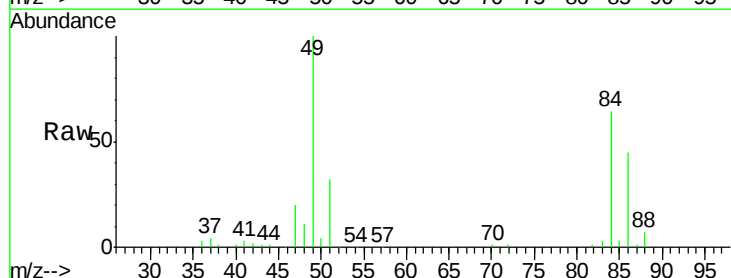
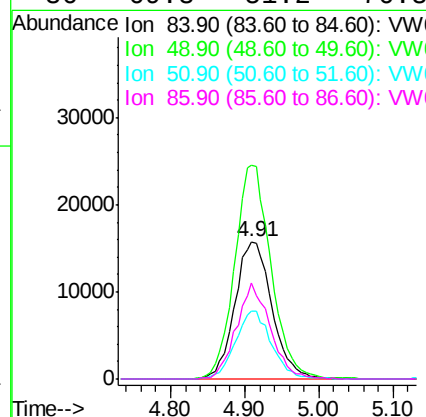
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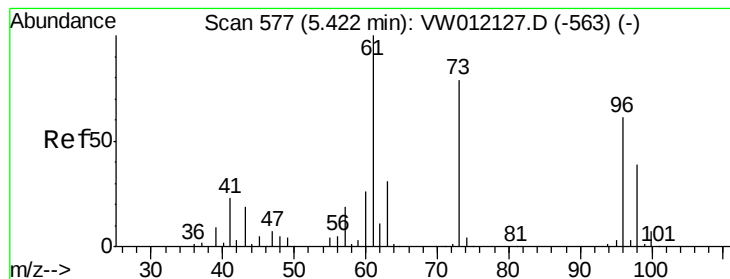
MMDadoda
9/3/2019 2:42:08 AM



#20
Methylene Chloride
Concen: 20.229 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 84 Resp: 54898
Ion Ratio Lower Upper
84 100
49 155.1 117.8 176.8
51 49.2 35.6 53.4
86 69.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.663 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 96 Resp: 49963

Ion Ratio Lower Upper

96 100

61 157.9 131.4 197.0

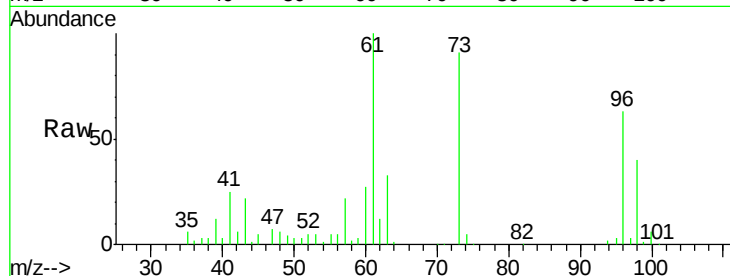
98 63.9 51.4 77.0

Manual Integrations

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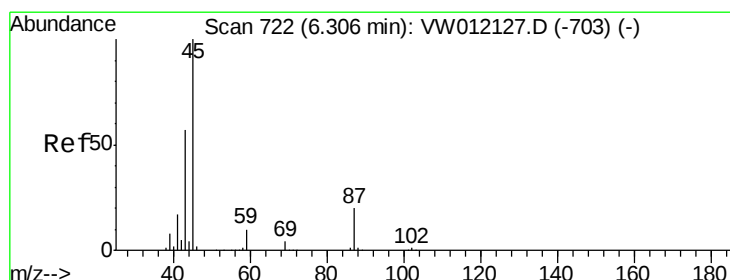
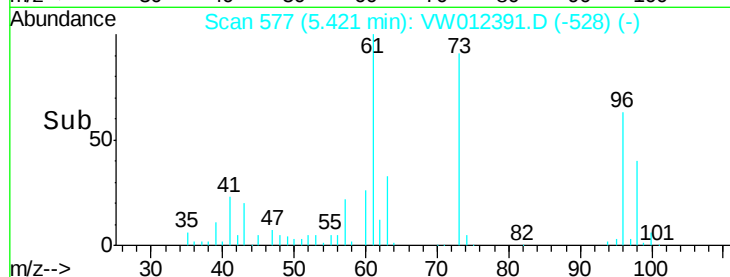
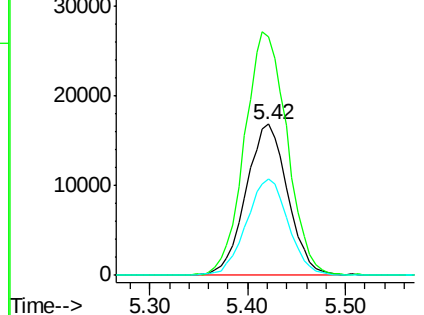
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Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.744 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion: 45 Resp: 204176

Ion Ratio Lower Upper

45 100

43 55.7 45.5 68.3

87 20.5 16.1 24.1

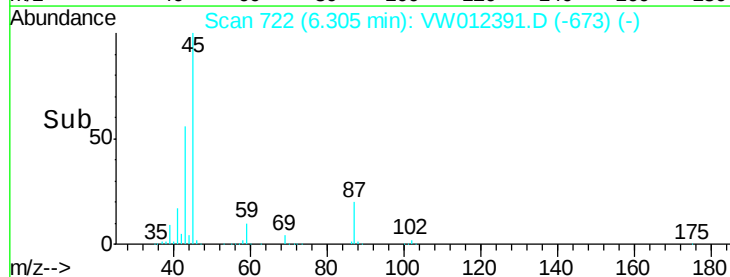
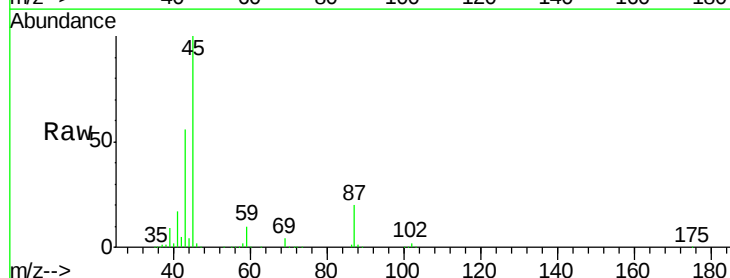
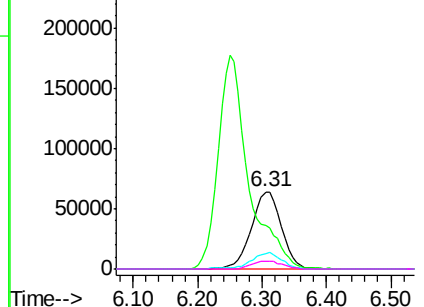
59 9.8 8.2 12.2

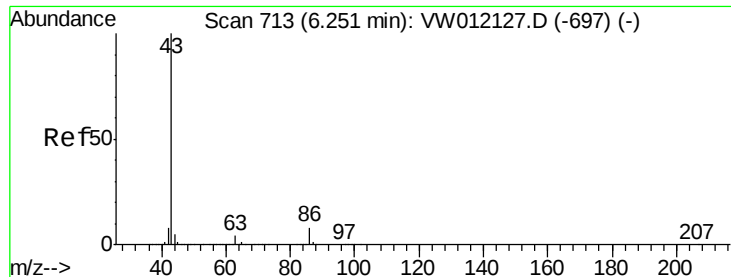
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 101.847 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 43 Resp: 588545

Ion Ratio Lower Upper

43 100

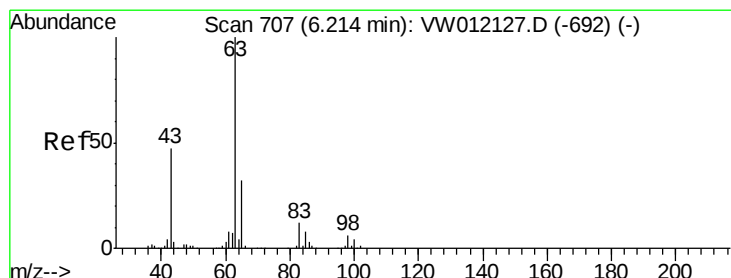
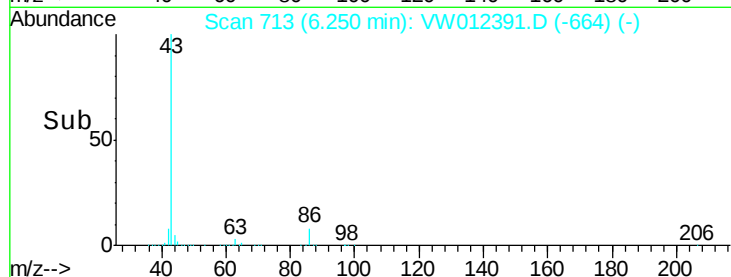
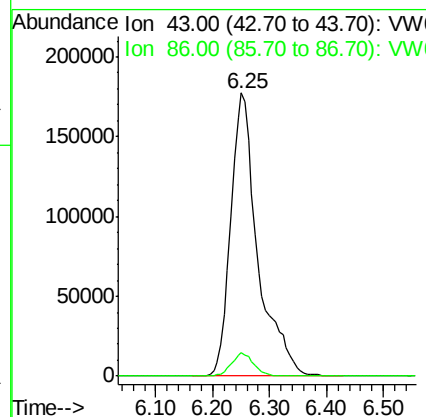
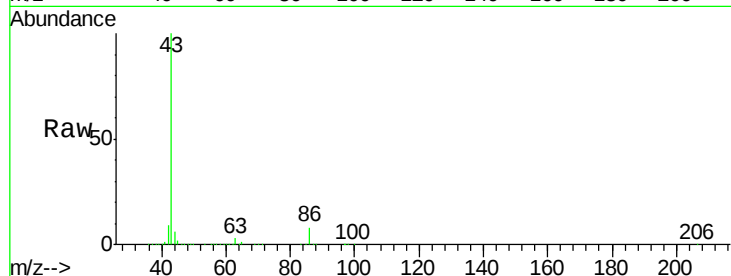
86 8.3 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.810 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

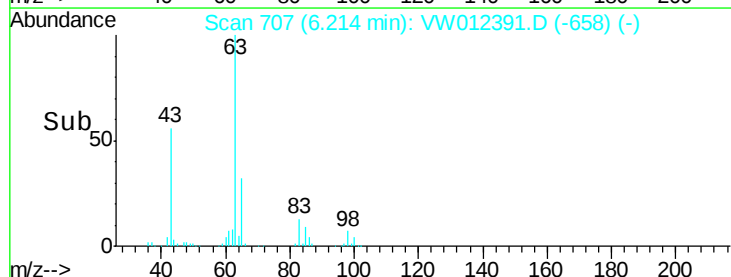
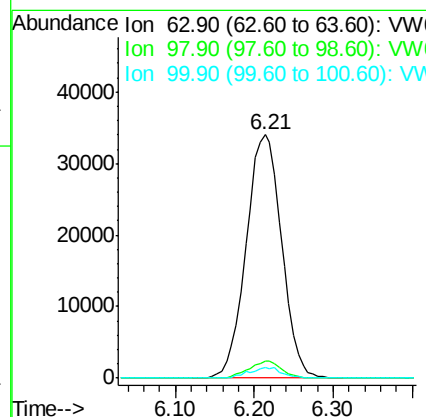
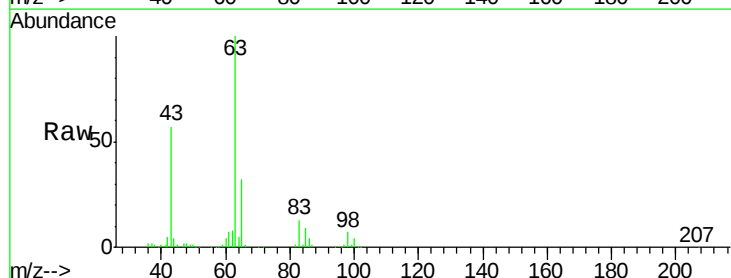
Tgt Ion: 63 Resp: 106397

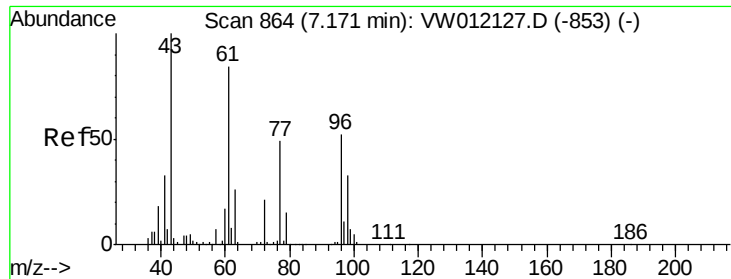
Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 96.283 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 43 Resp: 93923

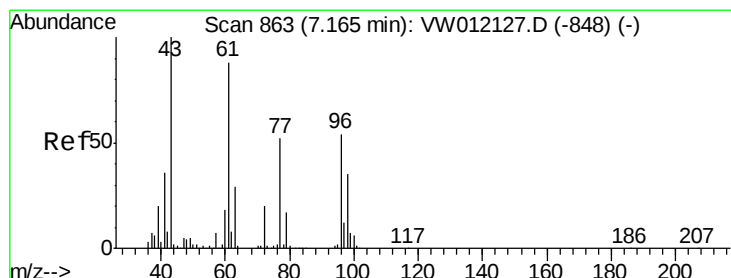
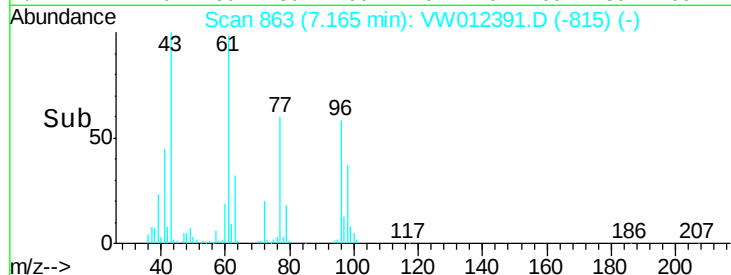
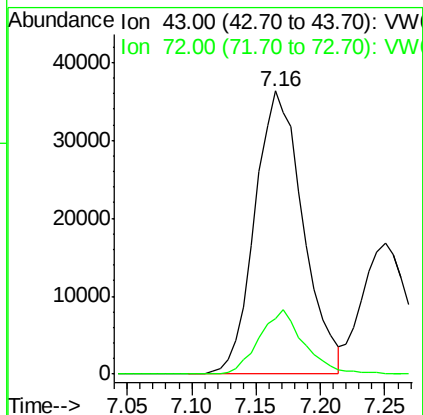
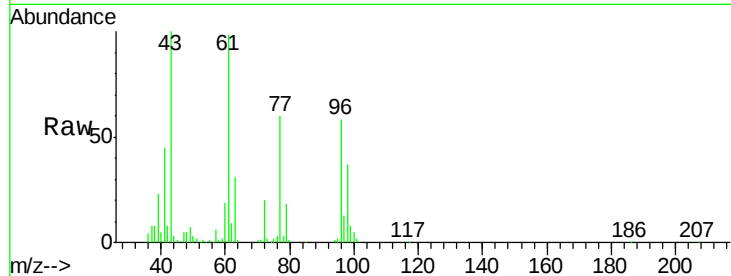
Ion Ratio Lower Upper

43 100

72 19.9 16.6 24.8

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#26

2,2-Dichloropropane

Concen: 22.202 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012391.D

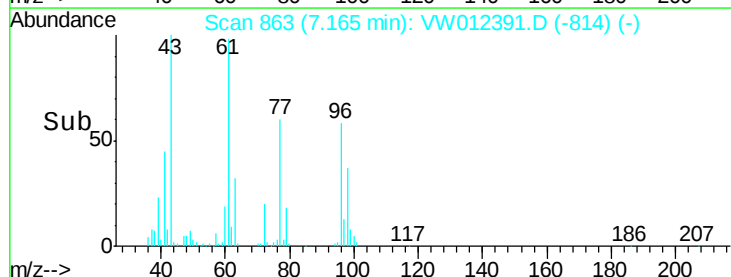
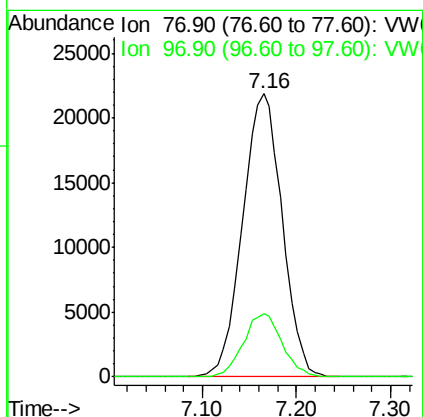
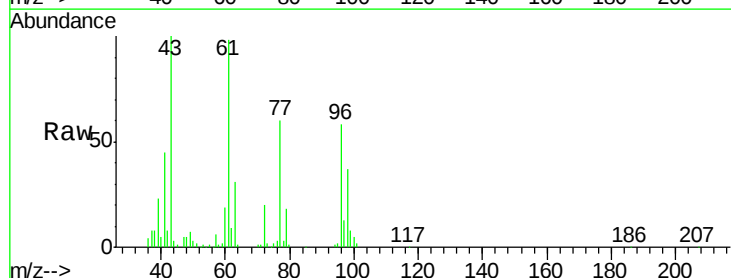
Acq: 31 Aug 2019 11:17

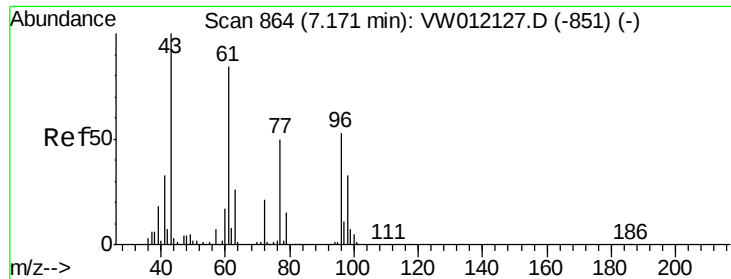
Tgt Ion: 77 Resp: 64250

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1





#27

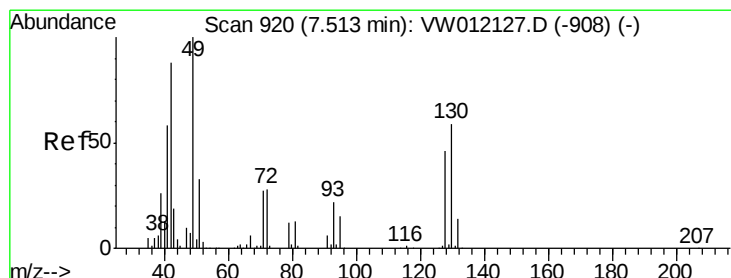
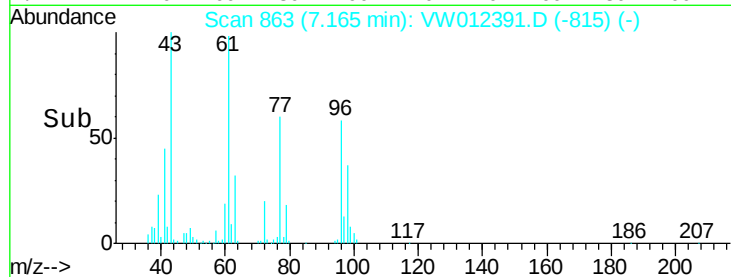
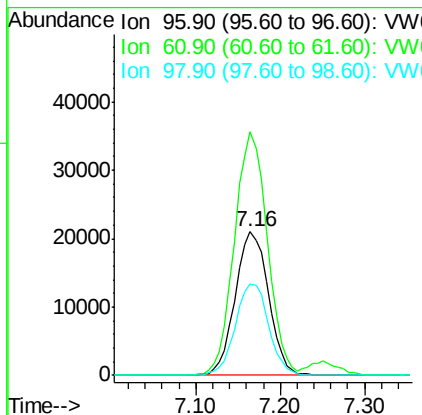
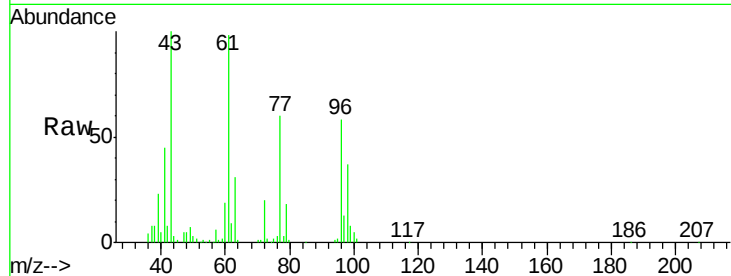
cis-1,2-Dichloroethene
Concen: 20.657 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	56081		
61	167.6		0.0	326.6
98	63.4		0.0	127.4

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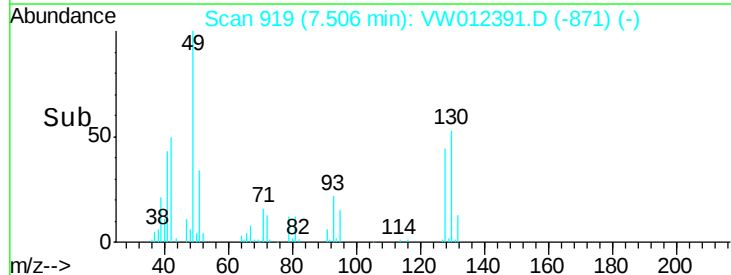
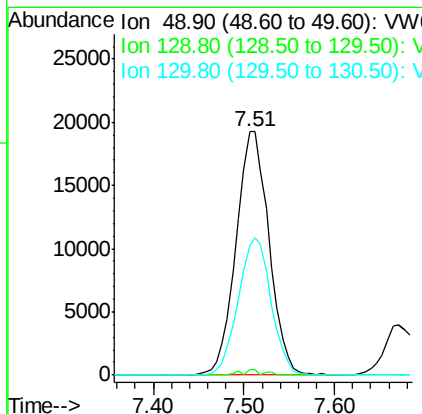
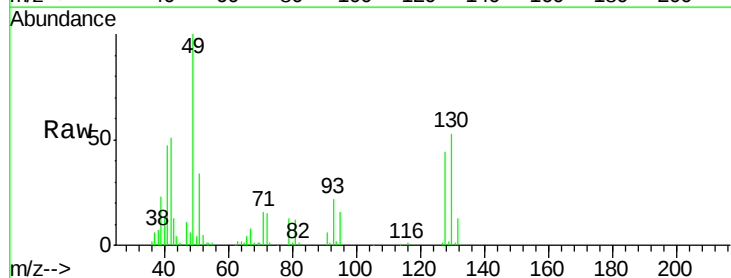
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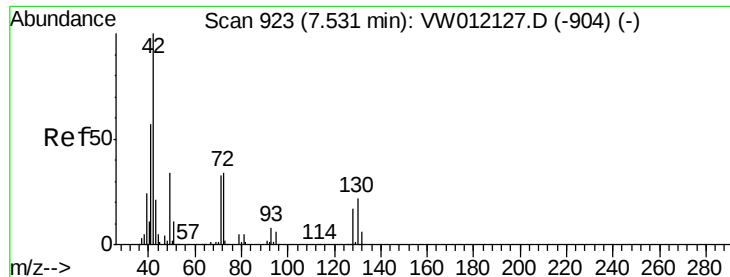


#28

Bromochloromethane
Concen: 21.794 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48565		
129	1.4		0.0	1.4
130	56.0		45.5	68.3





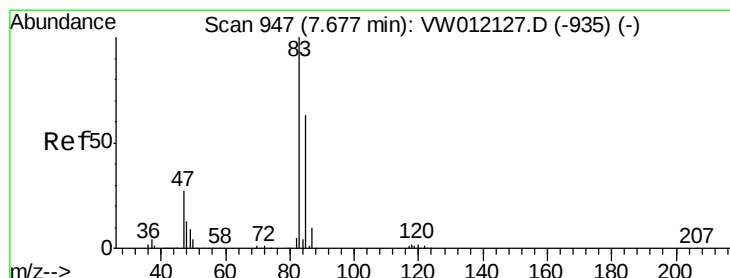
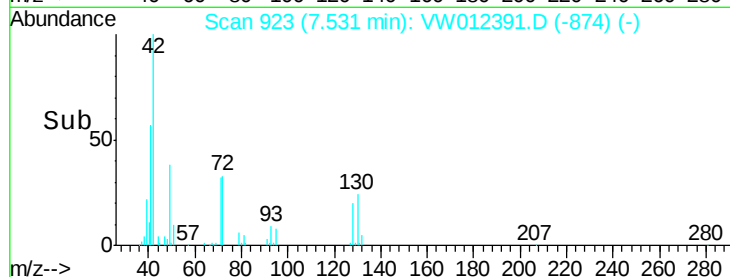
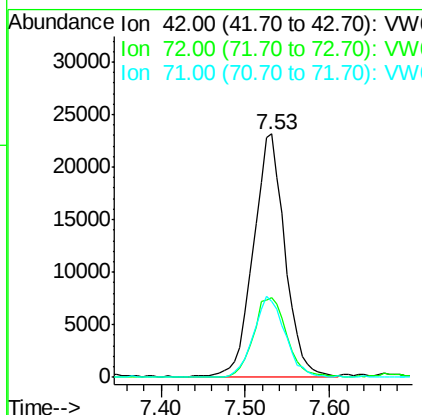
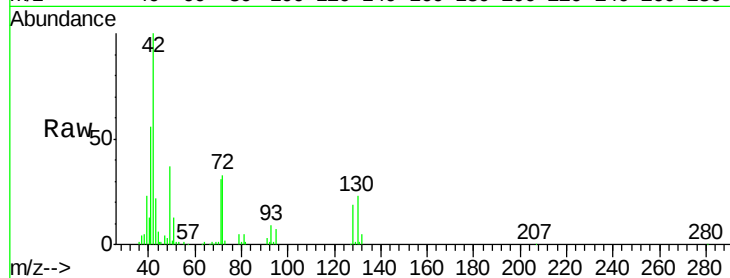
#29
Tetrahydrofuran
Concen: 101.187 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.3	40.9
71	33.2	25.5	38.3

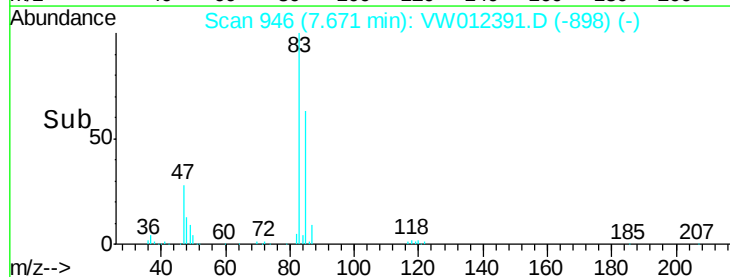
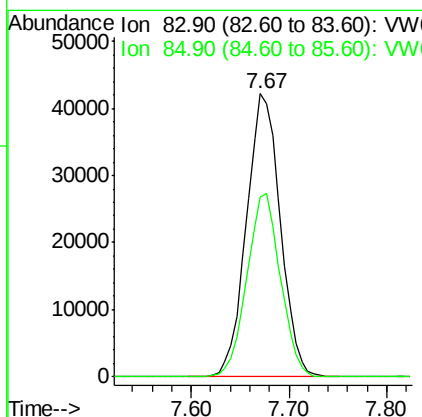
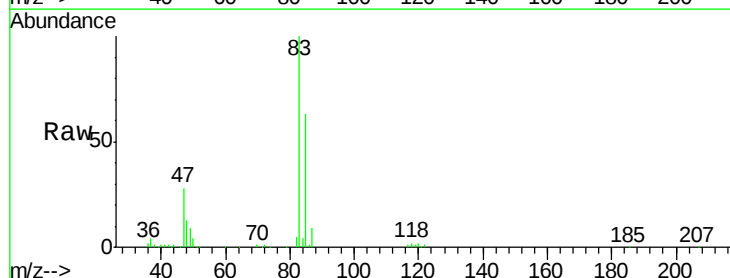
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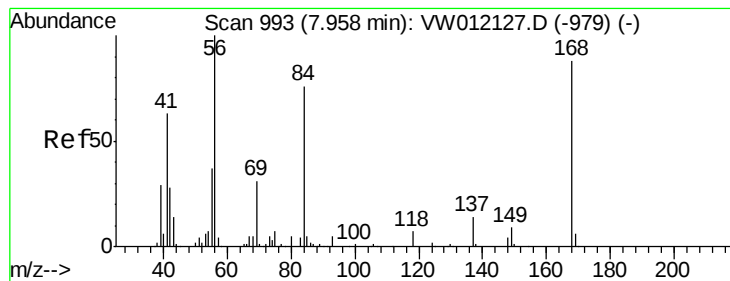
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#30
Chloroform
Concen: 21.660 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	76.0





#31

Cyclohexane

Concen: 18.654 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

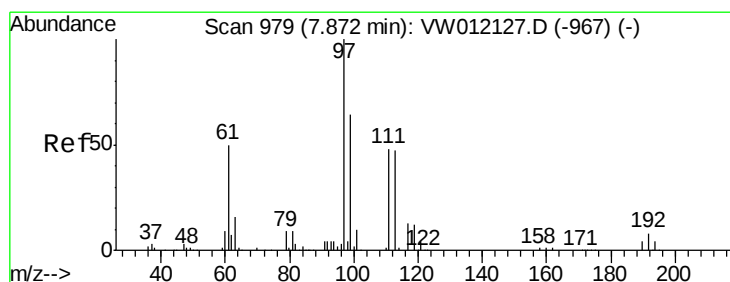
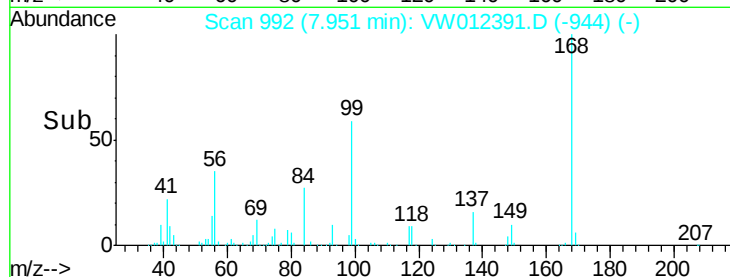
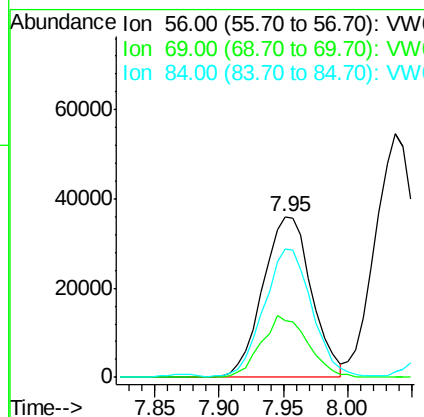
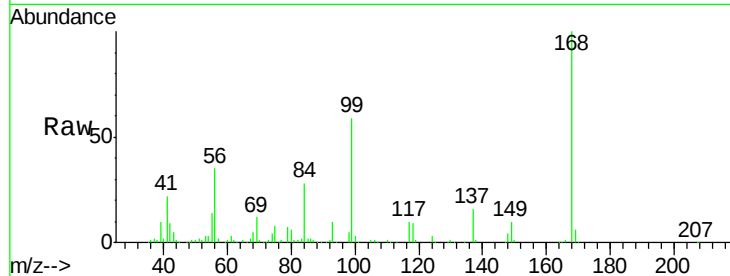
ClientSampleID :

VW0831SBS01

Tot Ion:	56	Resp:	94356
Ion Ratio	Lower	Upper	
56	100		
69	35.5	24.9	37.3
84	78.6	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 22.089 ug/l

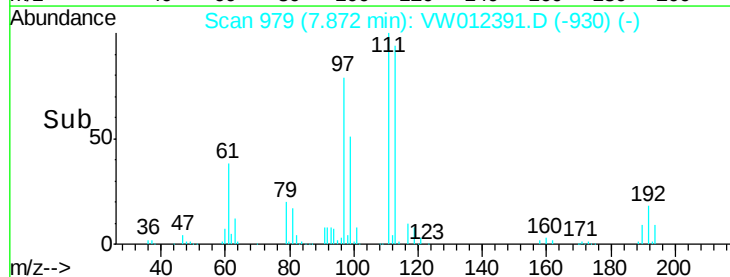
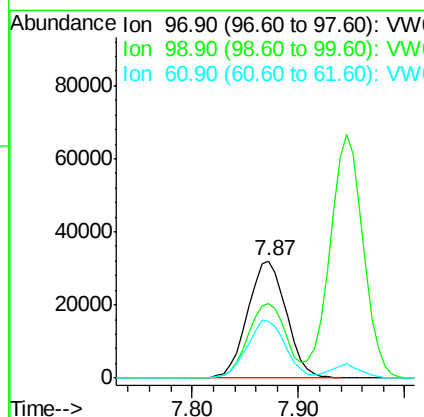
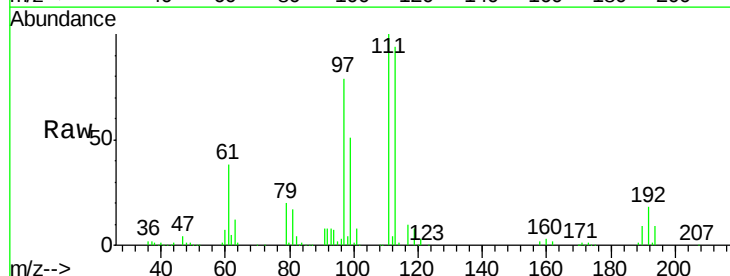
RT: 7.87 min Scan# 979

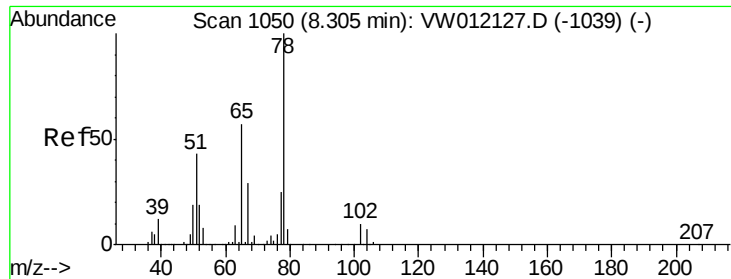
Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion:	97	Resp:	81738
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.4	77.0
61	49.2	39.5	59.3





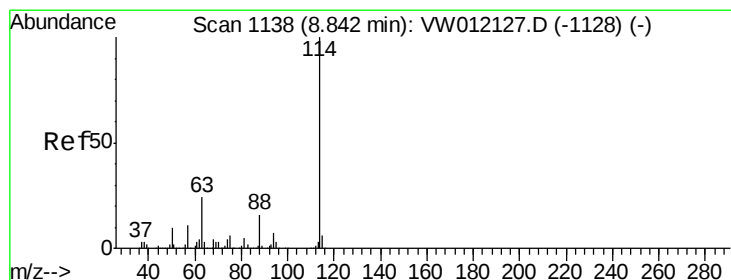
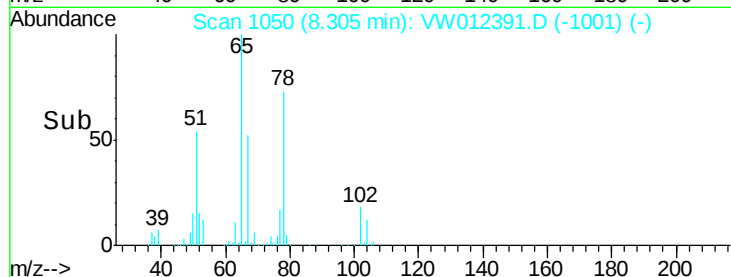
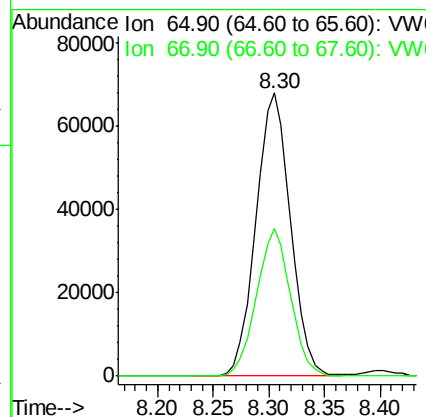
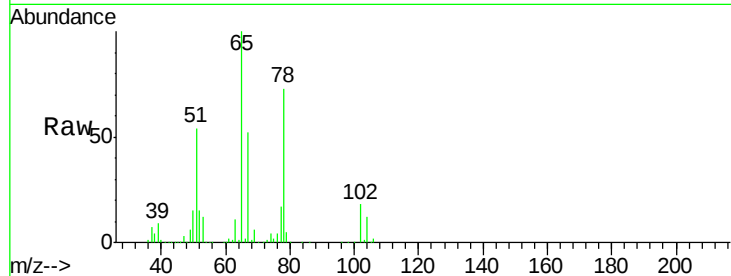
#33
 1,2-Dichloroethane-d4
 Concen: 52.257 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146754		
67	51.3	0.0	102.6	

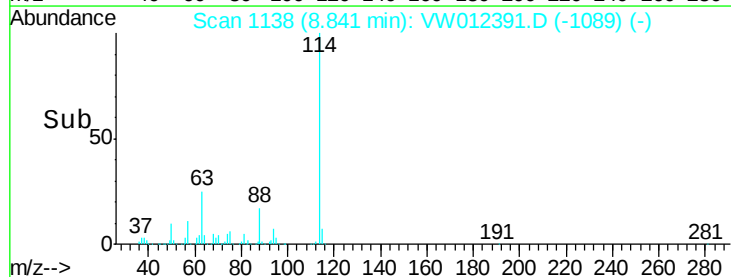
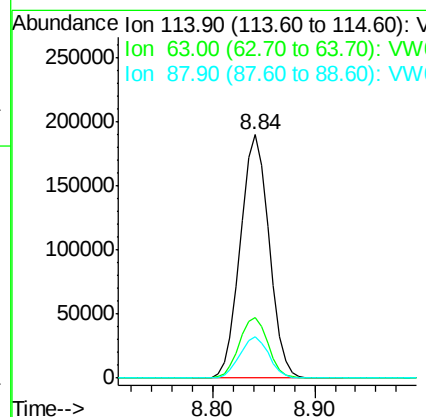
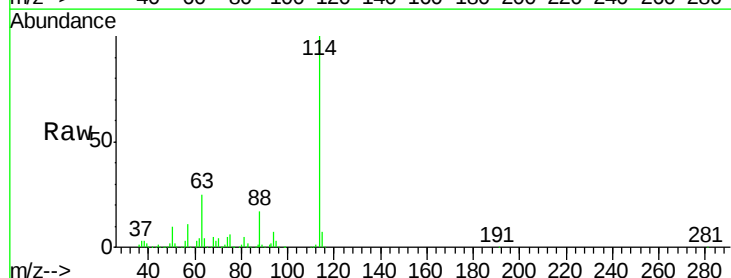
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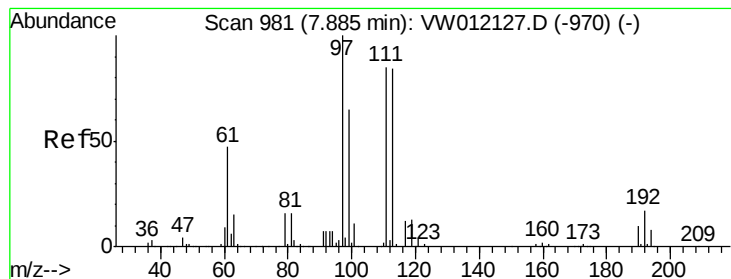
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	371191		
63	25.1	0.0	48.6	
88	17.2	0.0	32.2	





#35

Dibromofluoromethane

Concen: 52.702 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

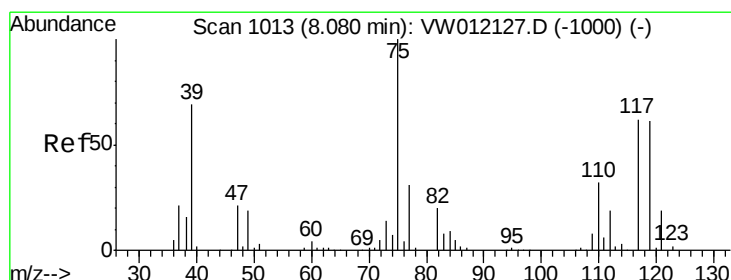
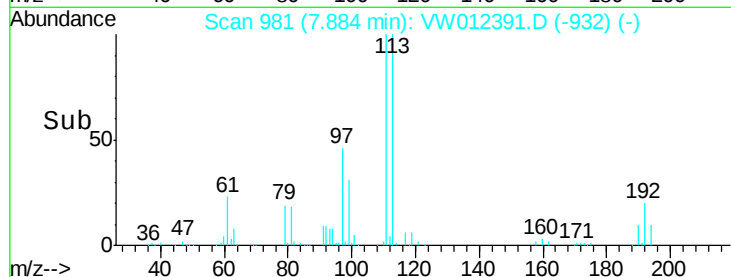
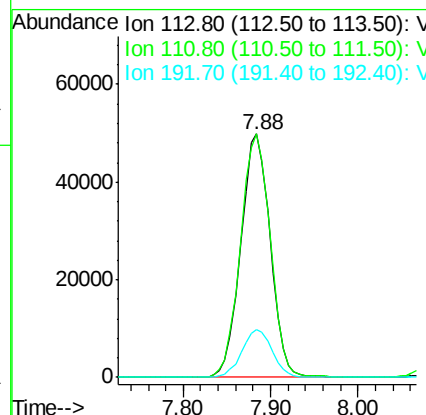
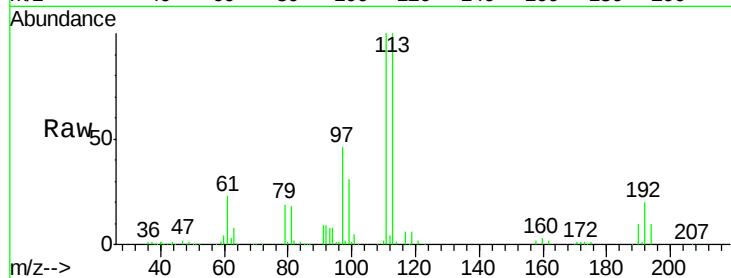
ClientSampleId :

VW0831SBS01

Tot Ion:	113	Resp:	116769
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.7	124.1
192	20.1	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 20.818 ug/l

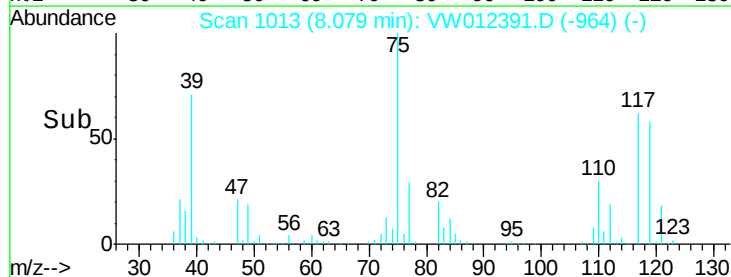
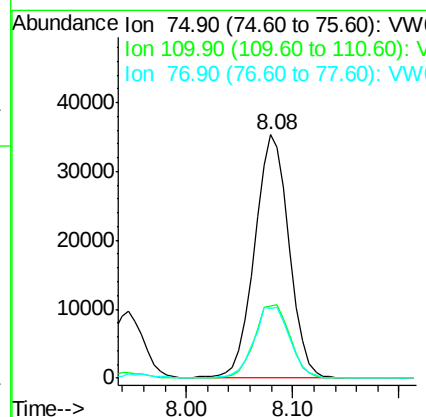
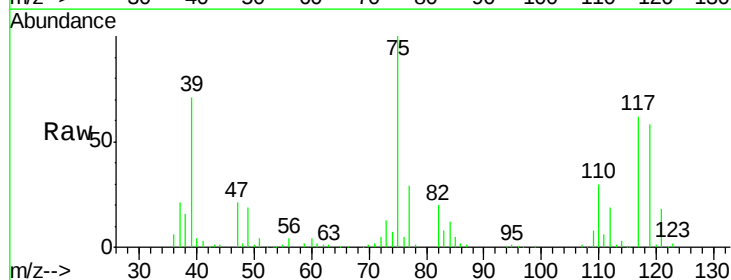
RT: 8.08 min Scan# 1013

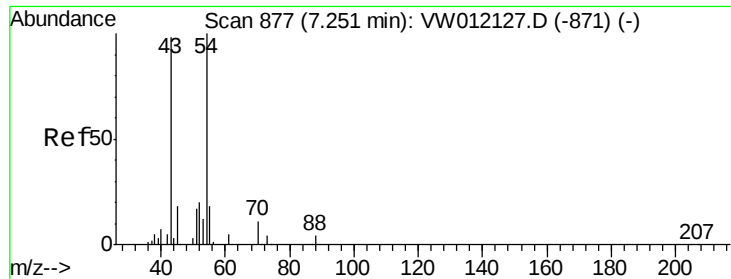
Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion:	75	Resp:	79853
Ion Ratio	Lower	Upper	
75	100		
110	31.3	15.6	46.8
77	31.0	24.6	36.8





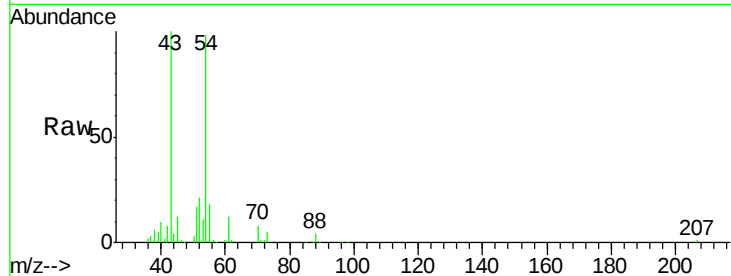
#37
Ethyl Acetate
Concen: 20.542 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.2	13.8
70	8.8	6.9	10.3

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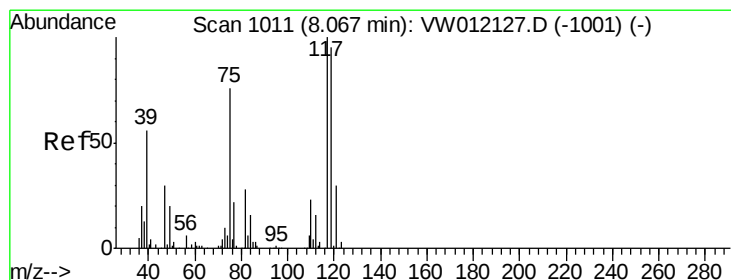
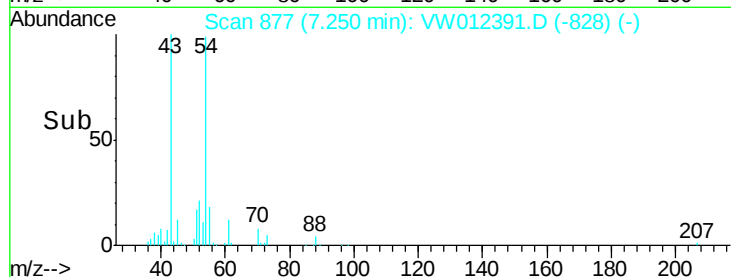
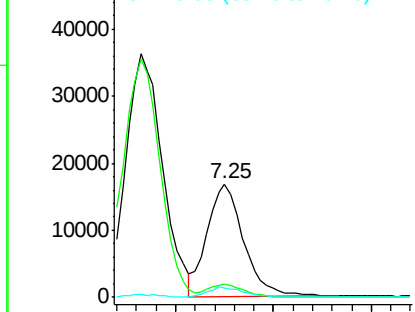


Abundance

Ion 43.00 (42.70 to 43.70): VW

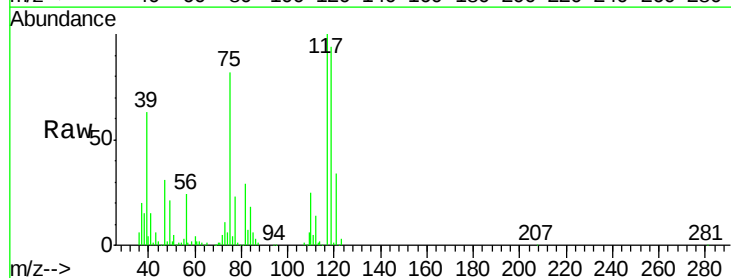
Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38
Carbon Tetrachloride
Concen: 21.641 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.2	114.2
121	33.5	23.8	35.8

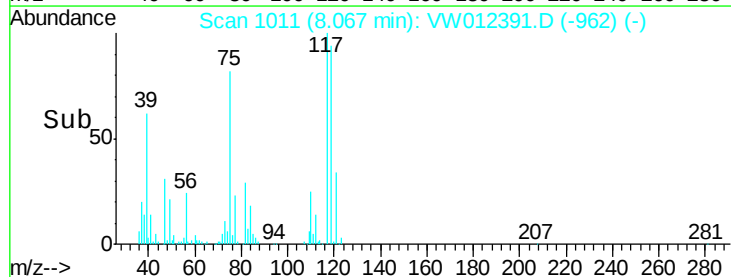
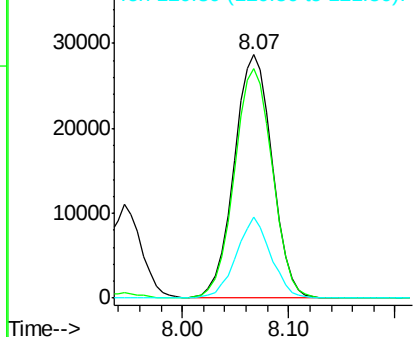


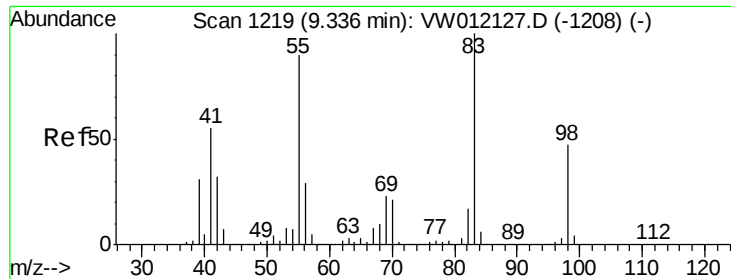
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





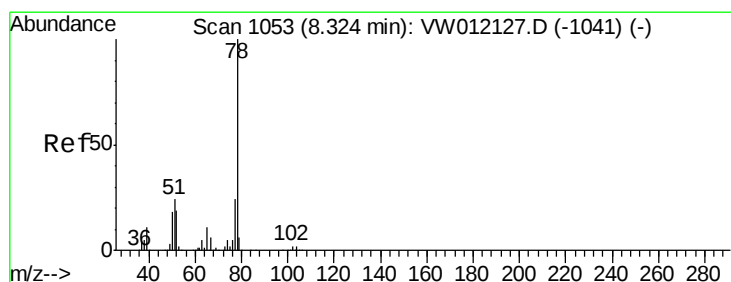
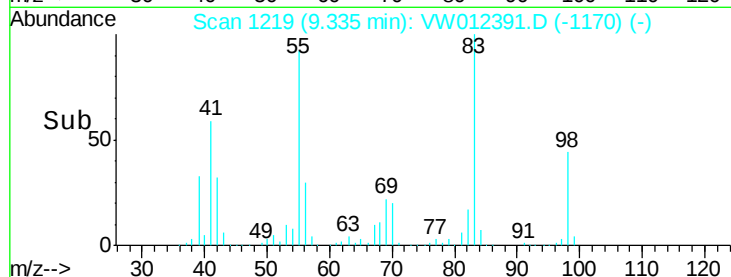
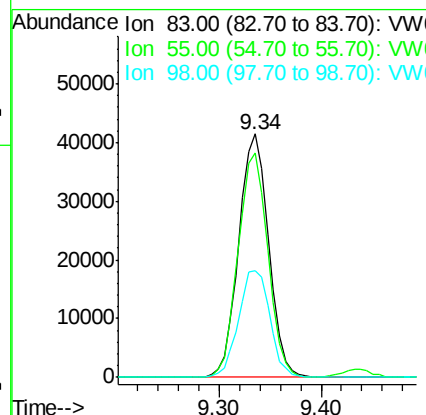
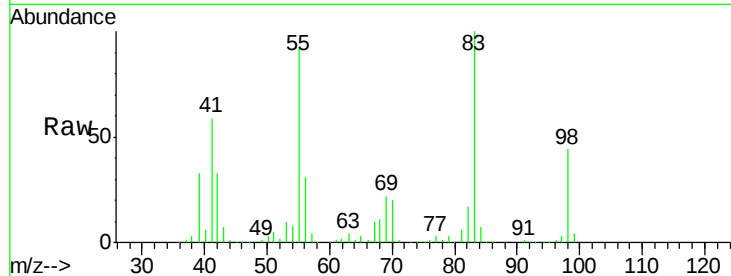
#39
Methvlcvclohexane
Concen: 19.481 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	83.00	Resp	83948
Ion	Ratio	Lower	Upper
83	100		
55	91.9	71.8	107.8
98	44.0	37.8	56.8

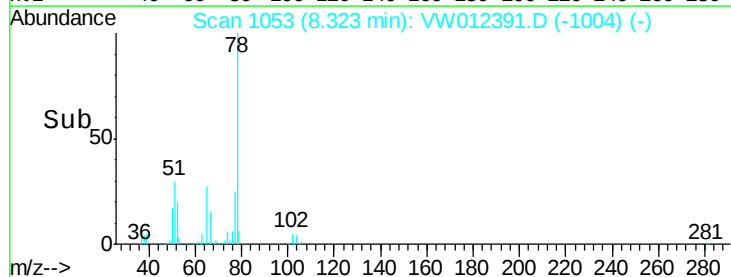
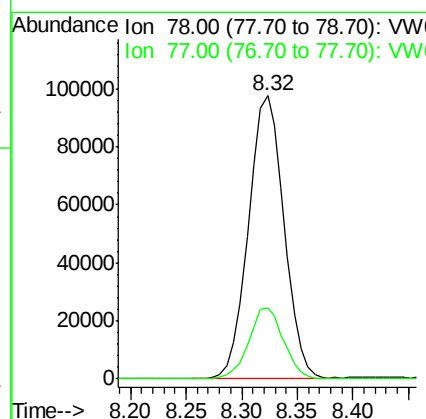
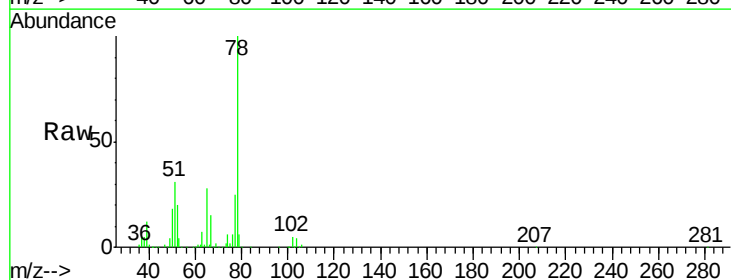
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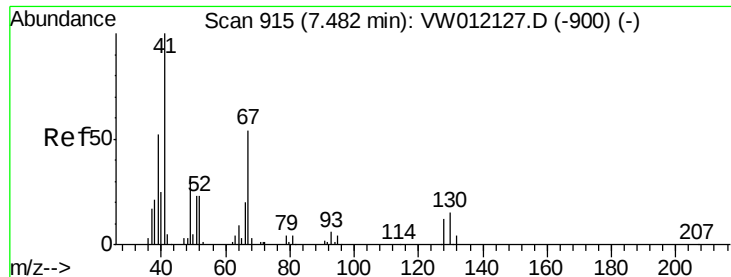
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#40
Benzene
Concen: 20.781 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	78.00	Resp	217663
Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.5	29.3





#41

Methacrylonitrile

Concen: 21.604 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

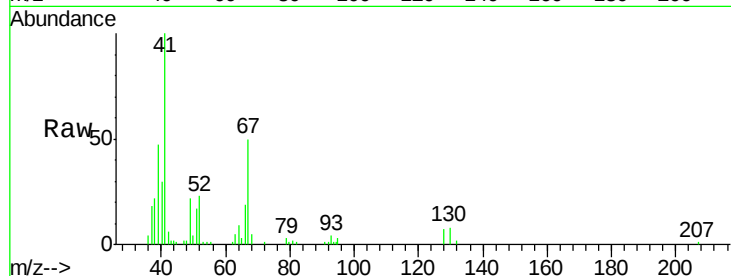
ClientSampleId :

VW0831SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		26690		
39	53.2	45.8	68.8		
67	55.0	46.2	69.4		
52	25.9	21.0	31.6		

Manual Integrations
APPROVED

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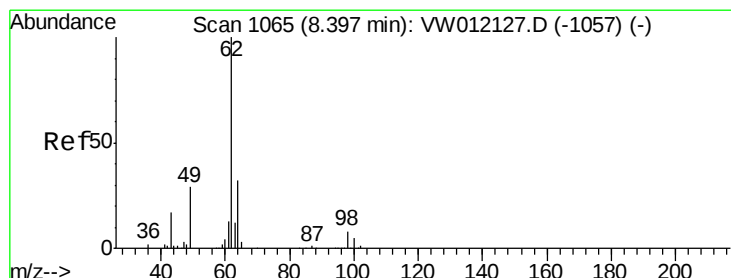
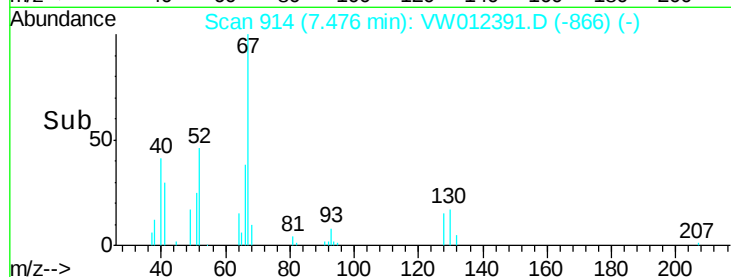
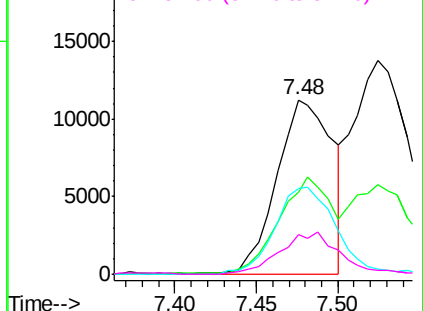
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 22.080 ug/l

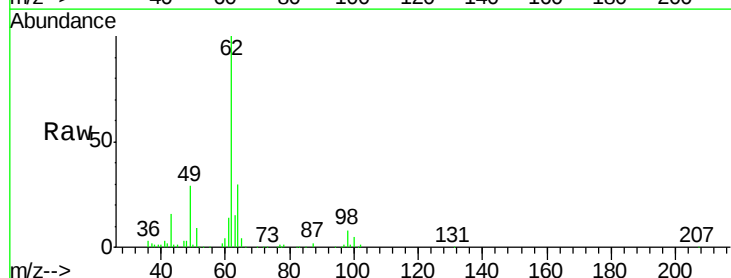
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

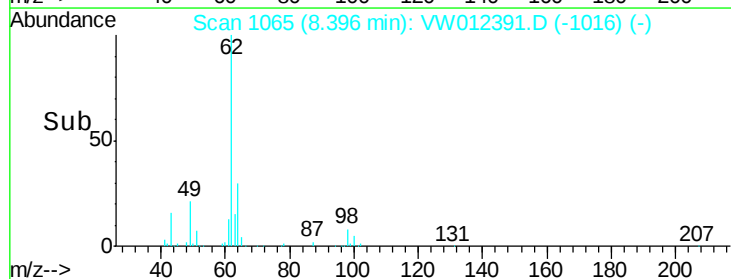
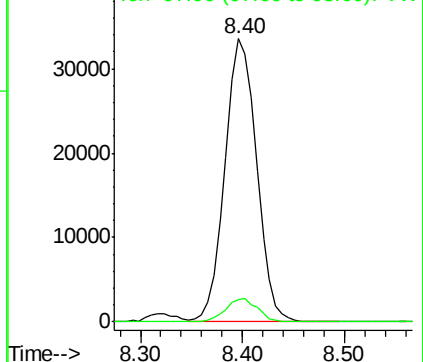
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		72482		
98	8.3	0.0	16.6		

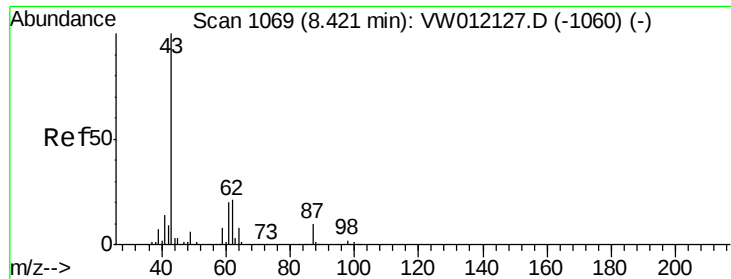


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





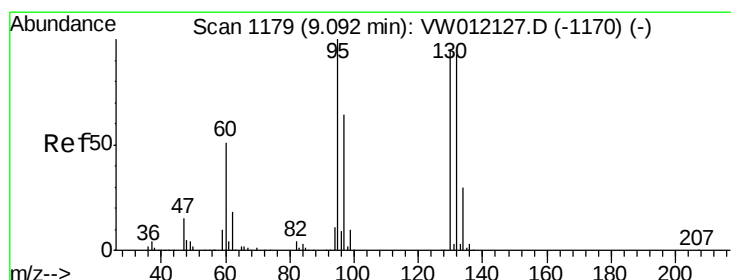
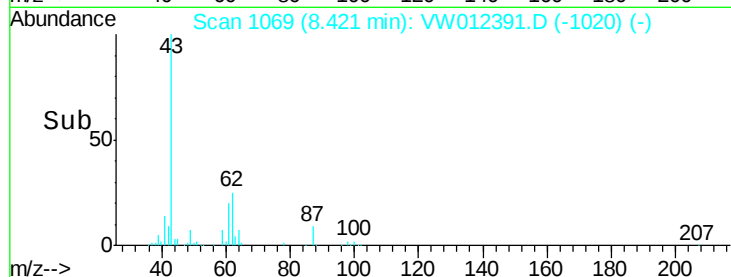
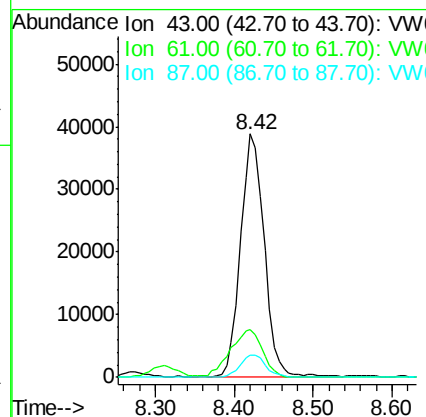
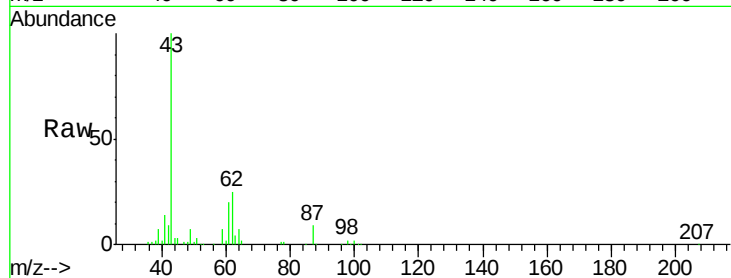
#43
Isopropyl Acetate
Concen: 20.862 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.1	31.7
87	9.9	8.2	12.2

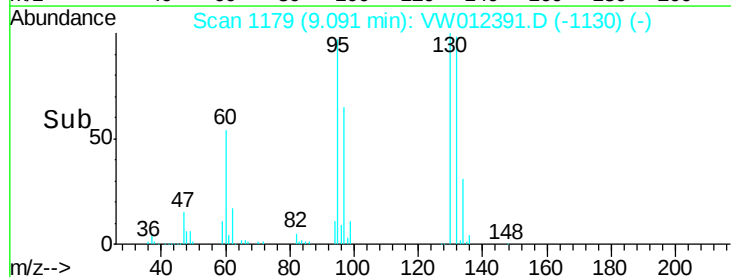
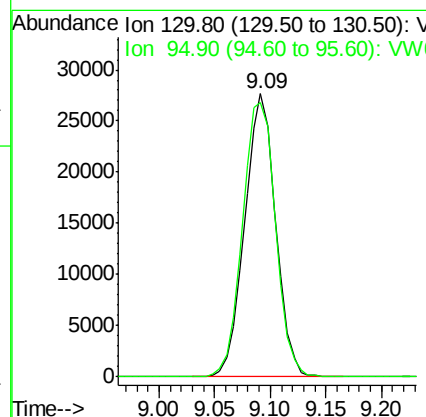
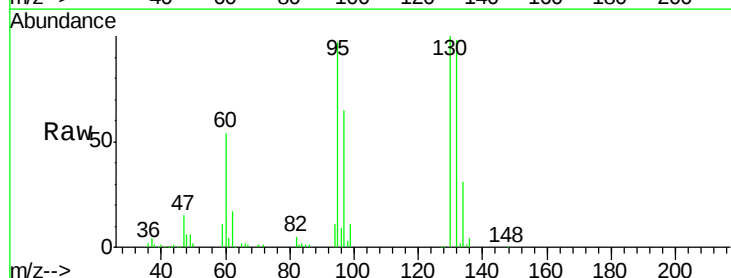
Manual Integrations
APPROVED

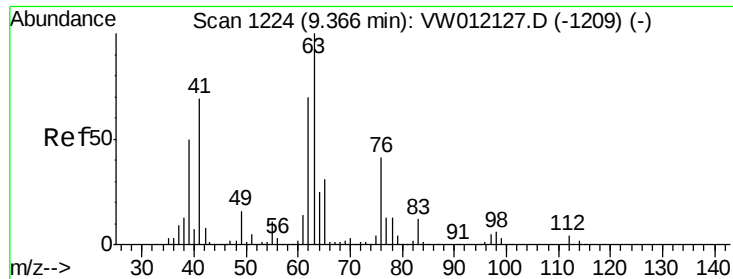
MMDadoda
9/3/2019 2:42:08 AM



#44
Trichloroethene
Concen: 20.920 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	210.6





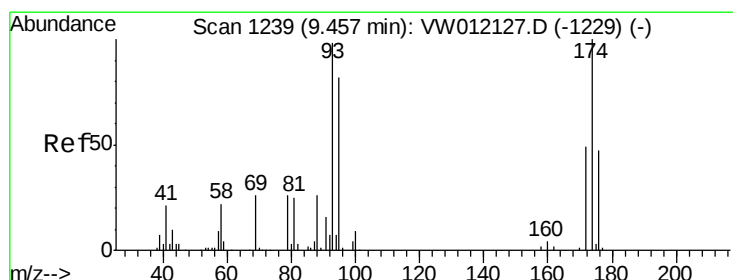
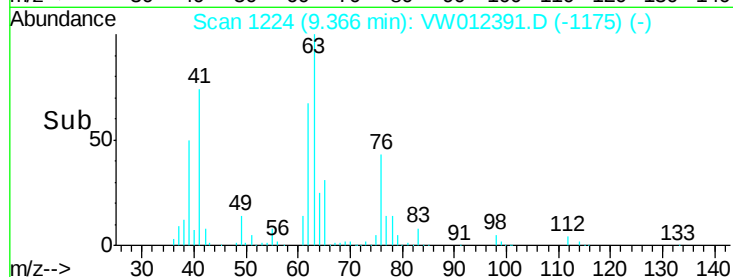
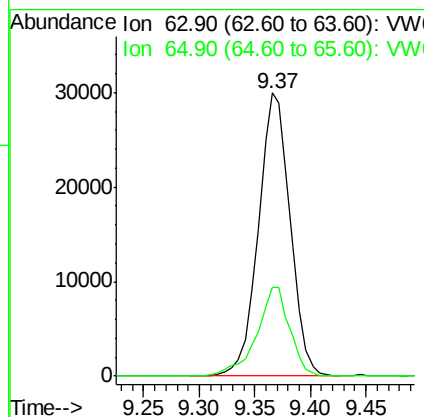
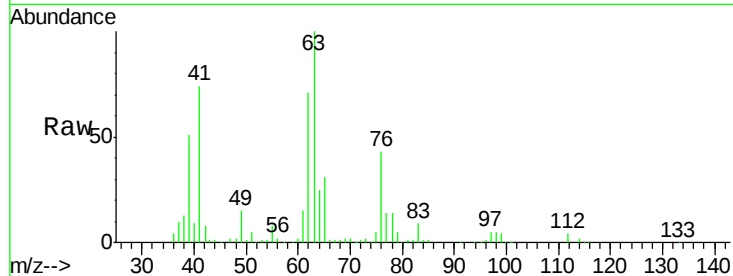
#45
 1,2-Dichloropropane
 Concen: 21.128 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion: 63 Resp: 59557
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4

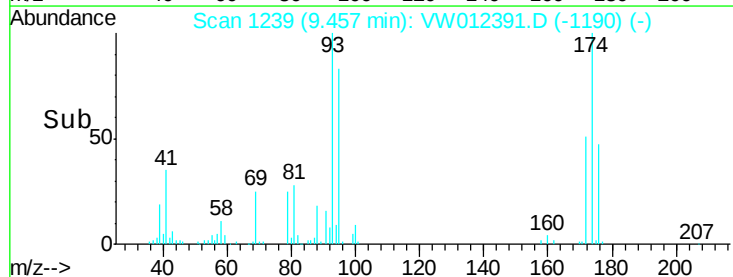
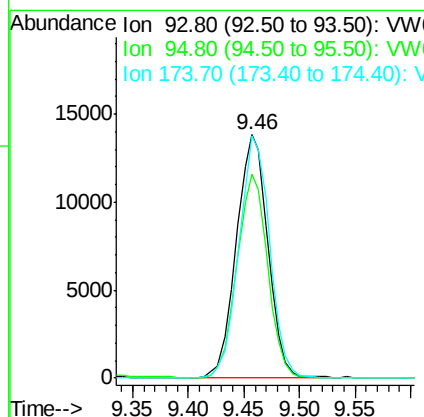
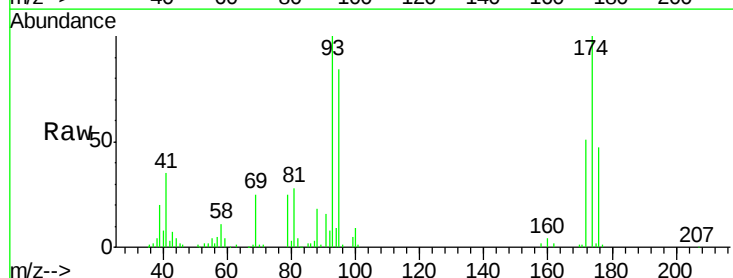
Manual Integrations
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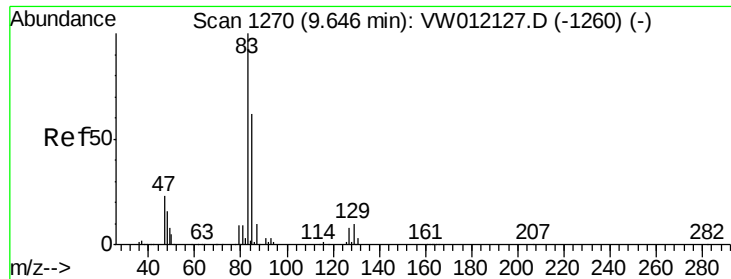
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 9/3/2019 2:42:08 AM



#46
 Dibromomethane
 Concen: 21.637 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion: 93 Resp: 27137
 Ion Ratio Lower Upper
 93 100
 95 81.6 67.2 100.8
 174 97.2 79.0 118.6





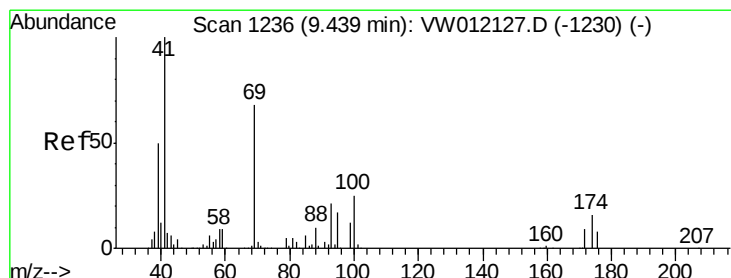
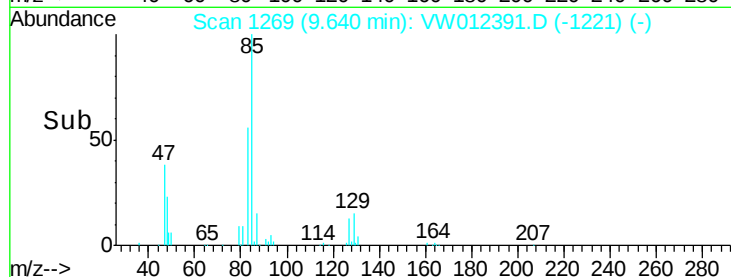
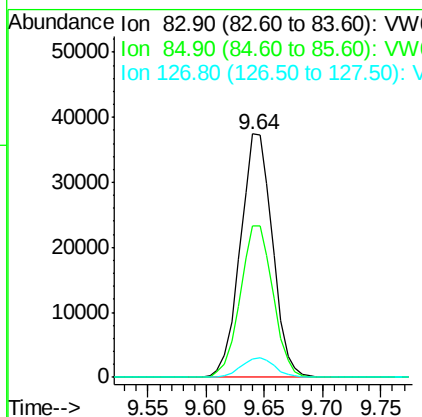
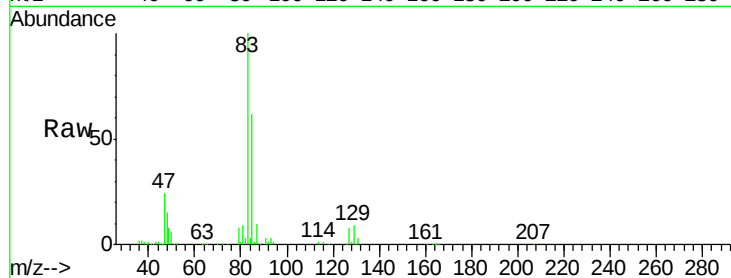
#47
Bromodichloromethane
Concen: 21.632 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	83	Resp	72208
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	49.4	74.2
127	7.8	6.1	9.1

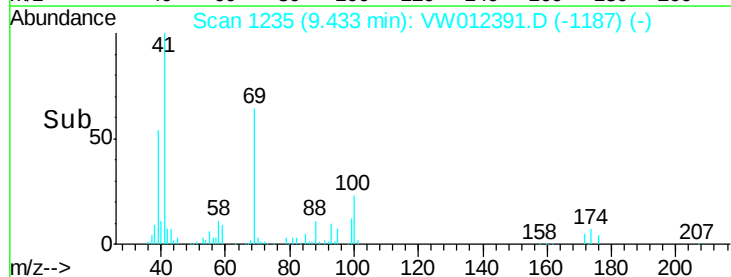
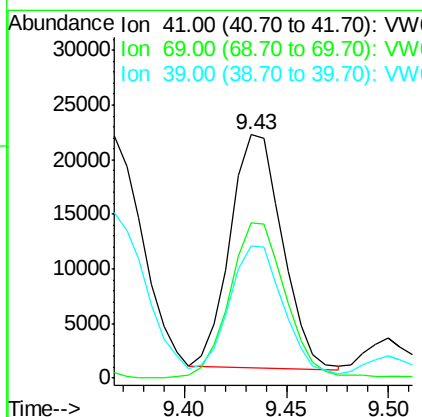
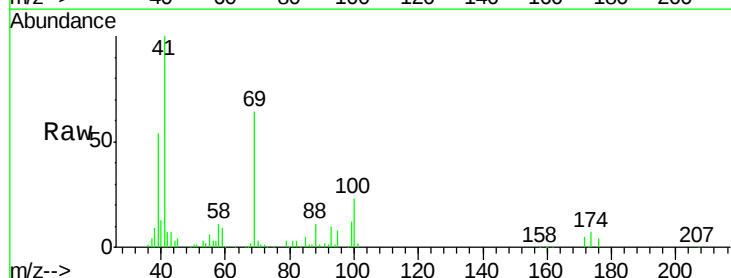
Manual Integrations
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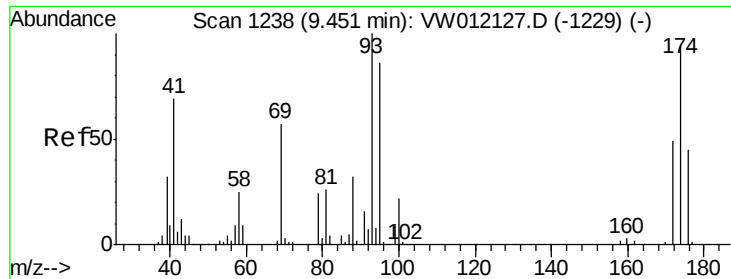
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#48
Methyl methacrylate
Concen: 20.583 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	41	Resp	38142
Ion Ratio	100	Lower	Upper
41	100		
69	71.8	56.7	85.1
39	55.8	42.0	63.0





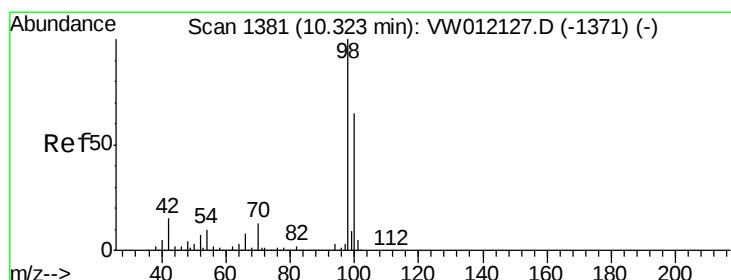
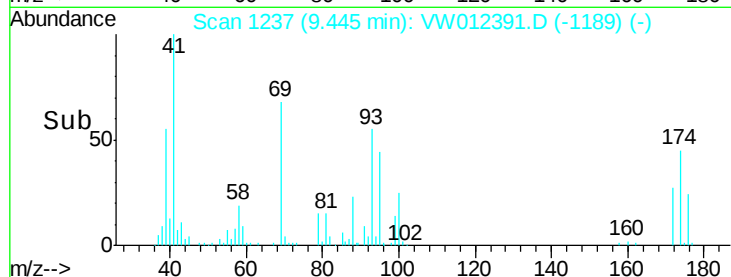
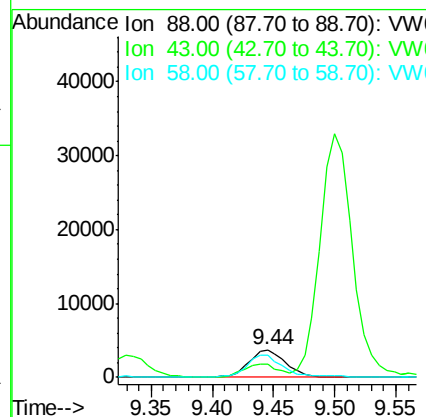
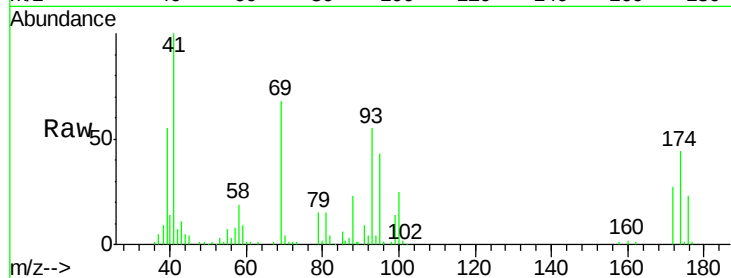
#49
1,4-Dioxane
Concen: 405.149 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	88	Resp	7779
Ion	Ratio	Lower	Upper
88	100		
43	42.8	32.9	49.3
58	79.1	71.0	106.4

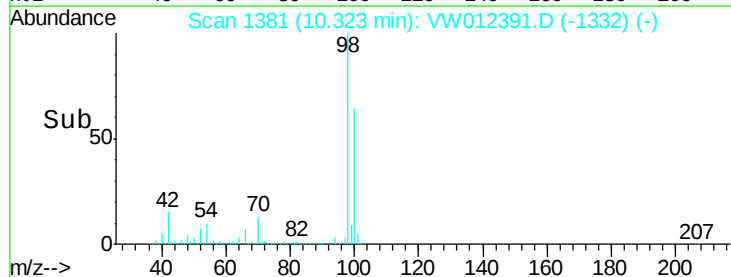
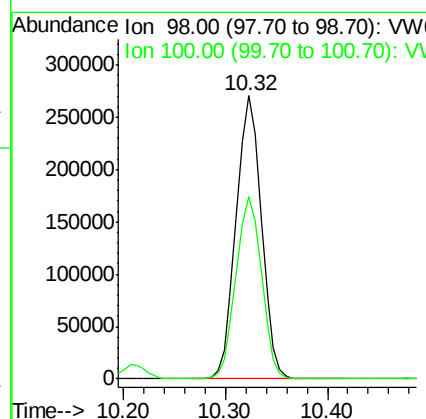
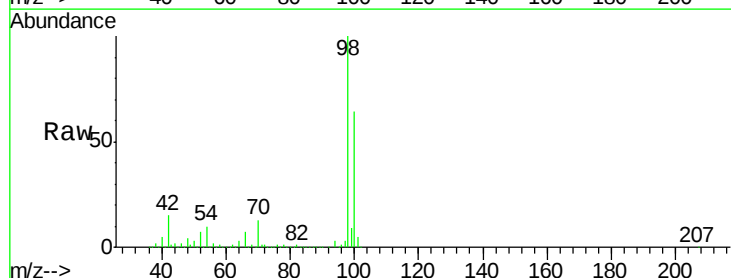
Manual Integrations
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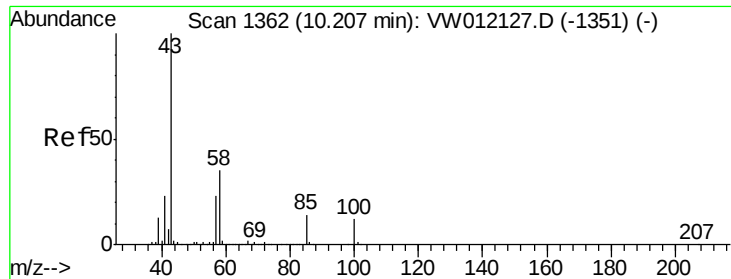
MMDadoda
9/3/2019 2:42:08 AM



#50
Toluene-d8
Concen: 51.773 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	98	Resp	465116
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6





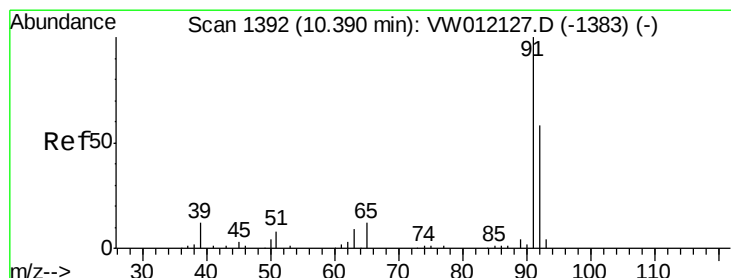
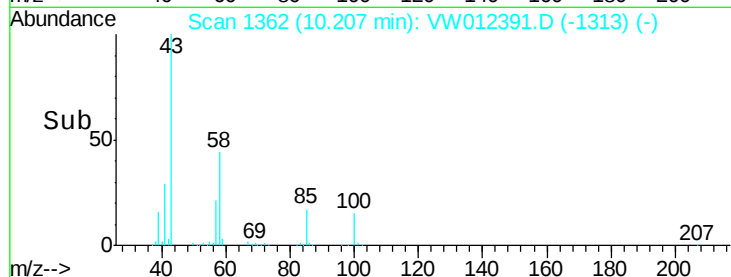
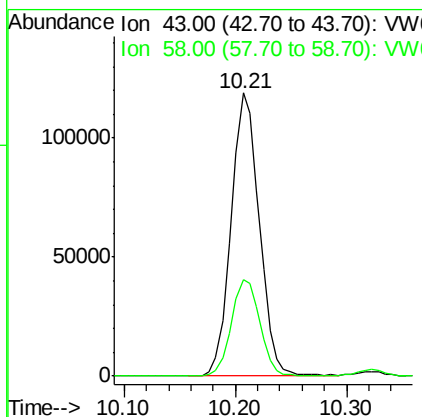
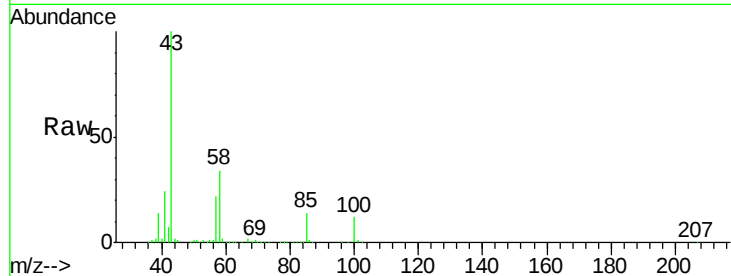
#51
 4-Methyl-2-Pentanone
 Concen: 104.890 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	43	Resp	207
Ion Ratio	100	Lower	Upper
58	34.8	28.2	42.2

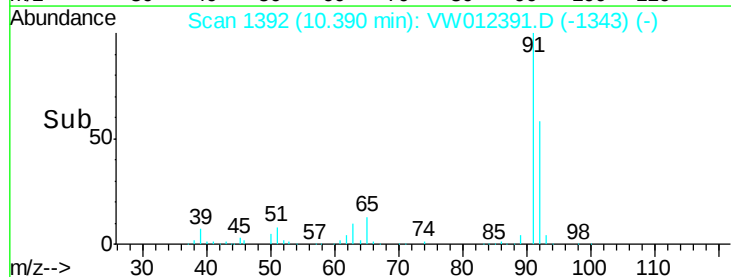
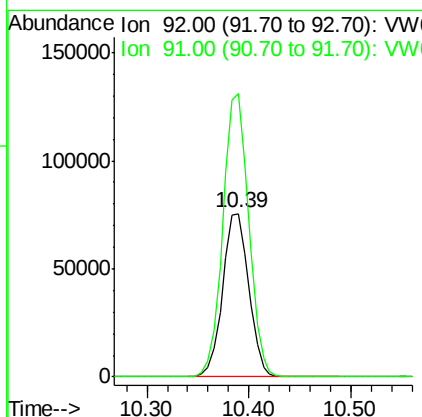
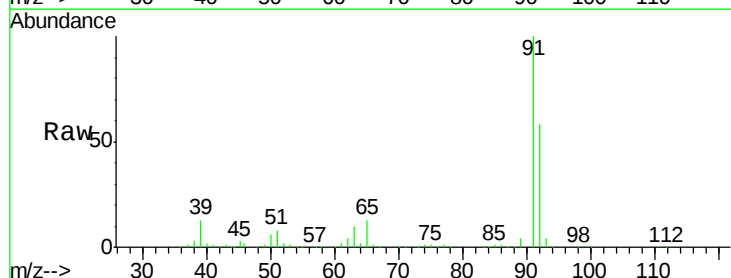
Manual Integrations
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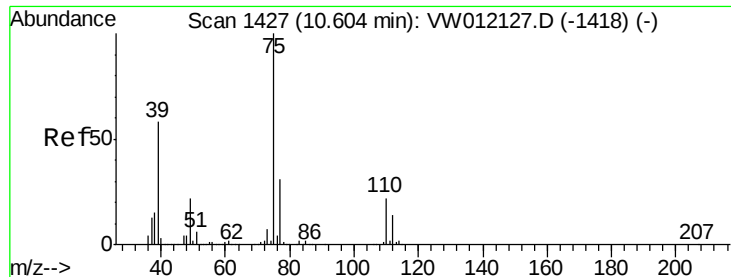
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 9/3/2019 2:42:08 AM



#52
 Toluene
 Concen: 21.324 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	92	Resp	134	173
Ion Ratio	100	Lower	Upper	
91	171.6	136.6	204.8	





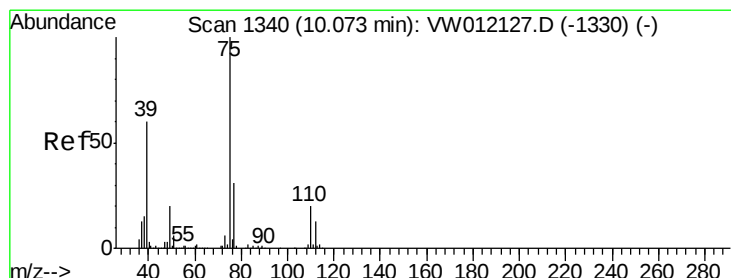
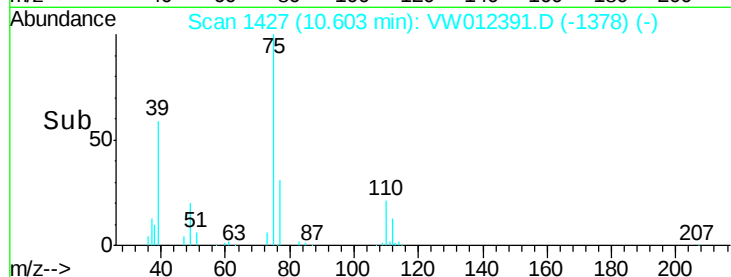
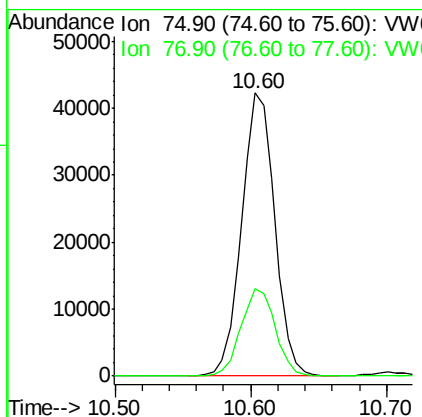
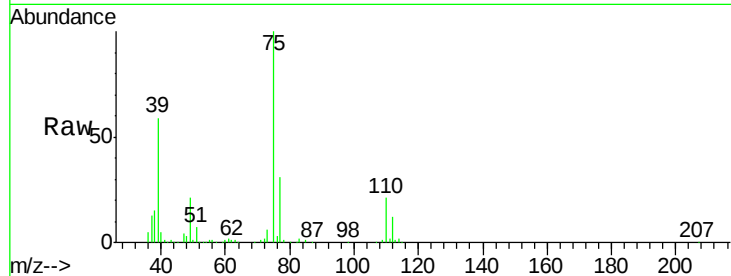
#53
t-1,3-Dichloropropene
Concen: 21.192 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion: 75 Resp: 72056
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.4

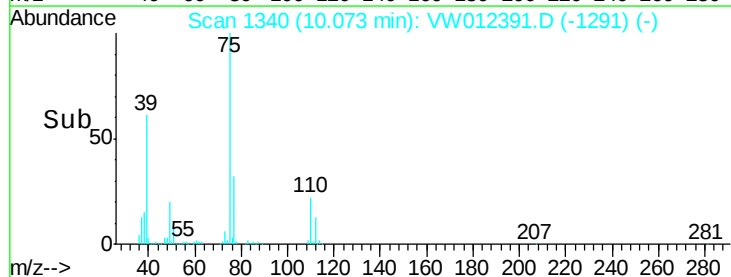
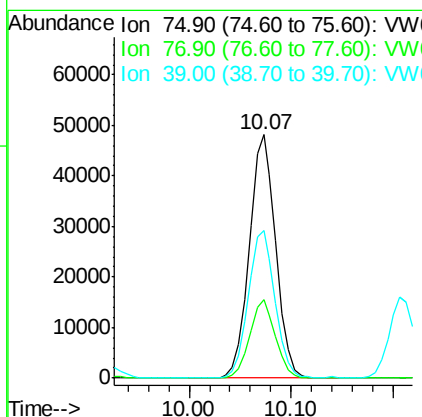
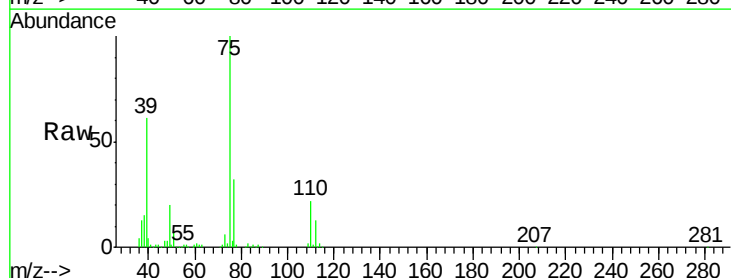
Manual Integrations
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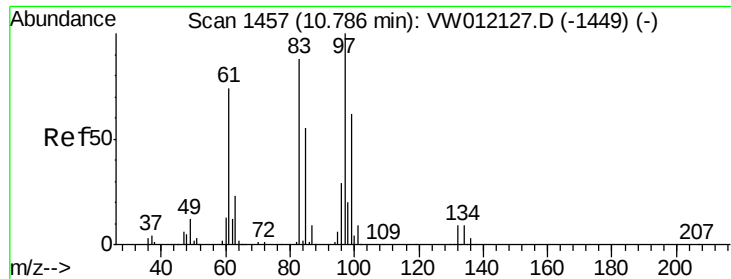
MMDadoda
9/3/2019 2:42:08 AM



#54
cis-1,3-Dichloropropene
Concen: 21.063 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion: 75 Resp: 86472
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7
39 60.4 48.3 72.5





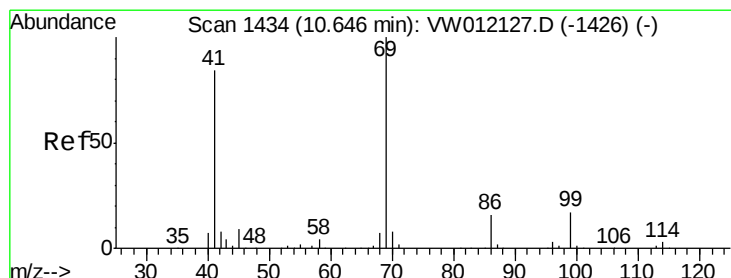
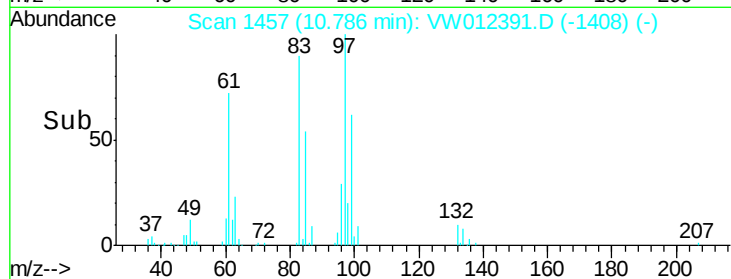
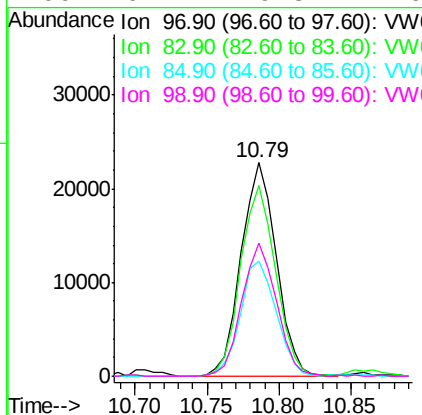
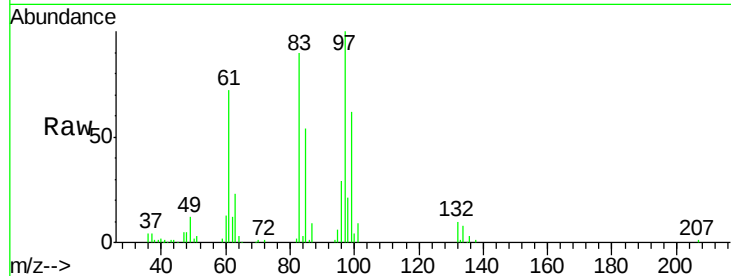
#55
 1,1,2-Trichloroethane
 Concen: 21.818 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion:	97	Resp:	38717
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.8	106.2
85	53.7	43.8	65.8
99	62.2	49.8	74.6

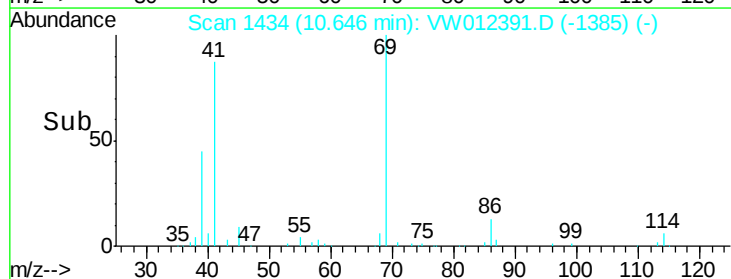
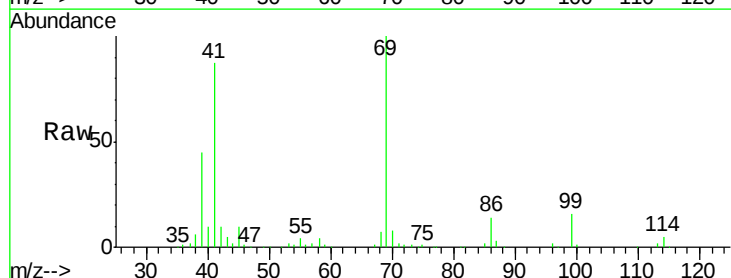
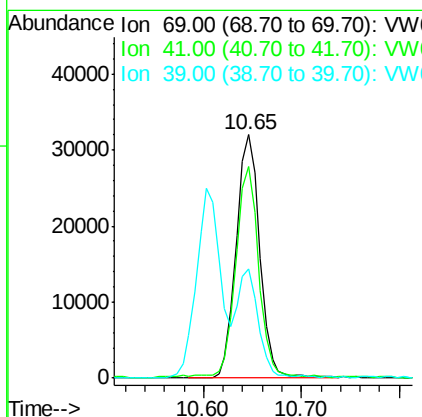
Manual Integrations
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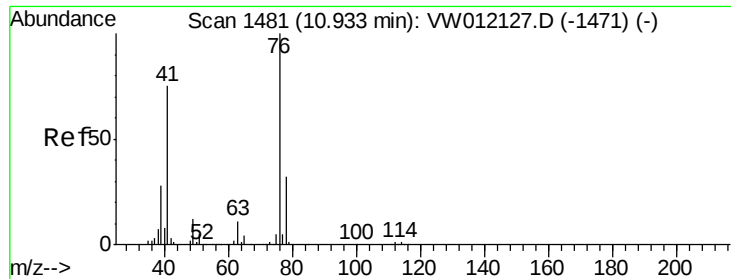
MMDadoda
 9/3/2019 2:42:08 AM



#56
 Ethyl methacrylate
 Concen: 20.815 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion:	69	Resp:	53759
Ion	Ratio	Lower	Upper
69	100		
41	82.4	66.5	99.7
39	38.9	31.0	46.4





#57

1,3-Dichloropropane

Concen: 21.500 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 76 Resp: 72097

Ion Ratio Lower Upper

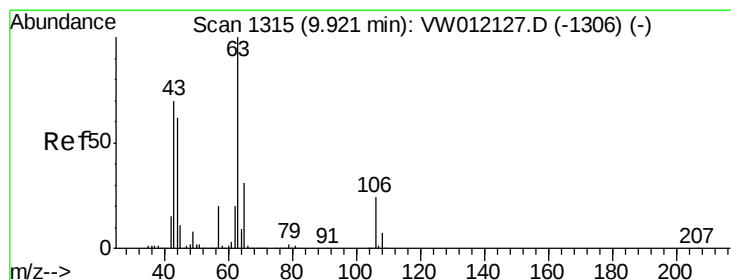
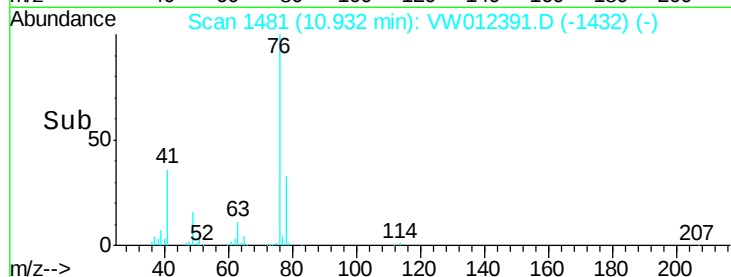
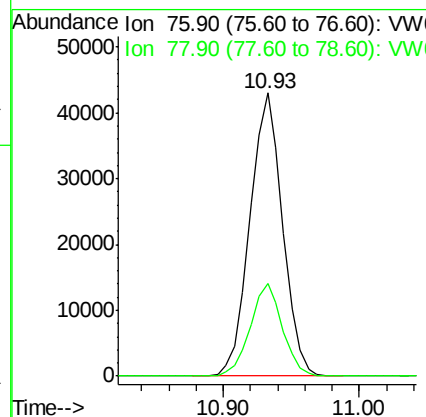
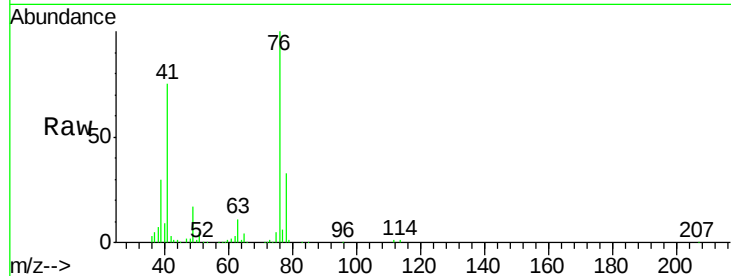
76 100

78 32.2 25.8 38.8

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9/3/2019 2:42:08 AM



#58

2-Chloroethyl Vinyl ether

Concen: 105.283 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012391.D

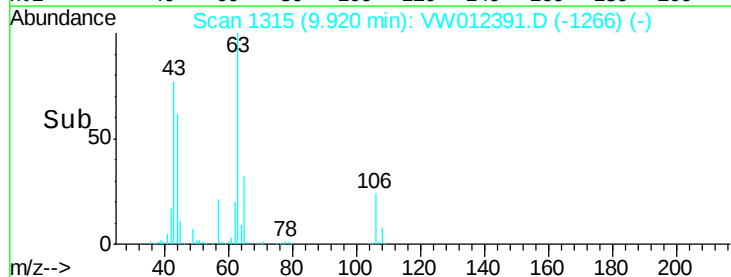
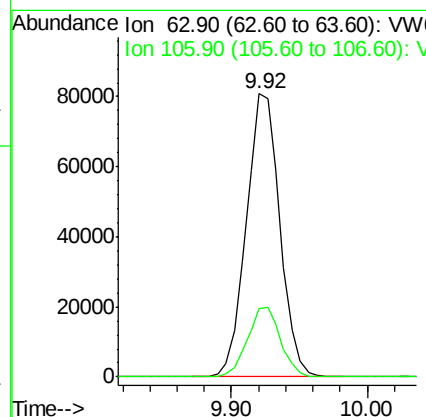
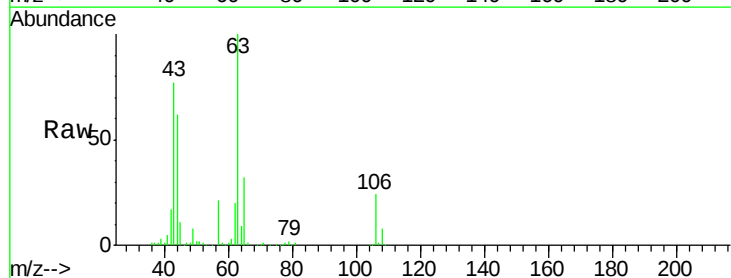
Acq: 31 Aug 2019 11:17

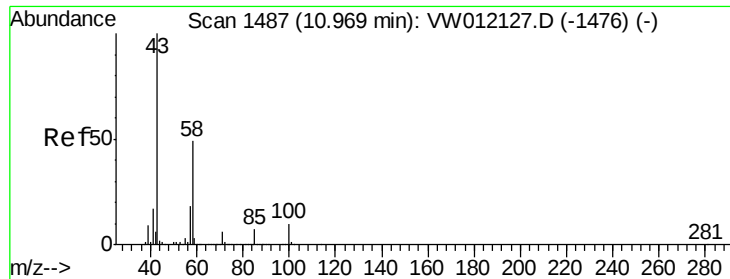
Tgt Ion: 63 Resp: 139551

Ion Ratio Lower Upper

63 100

106 24.3 19.8 29.8





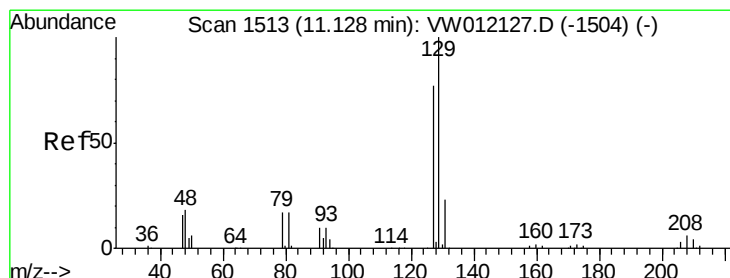
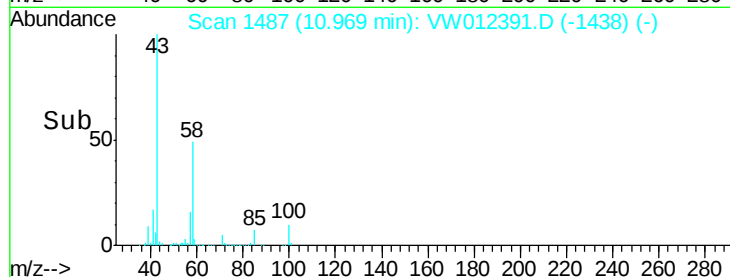
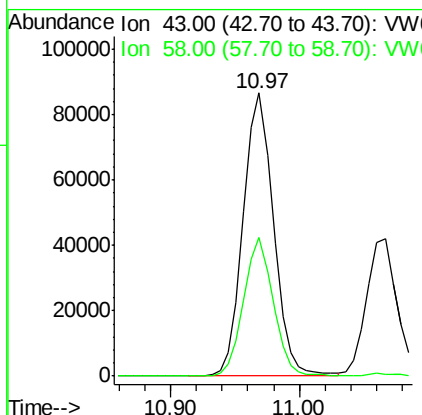
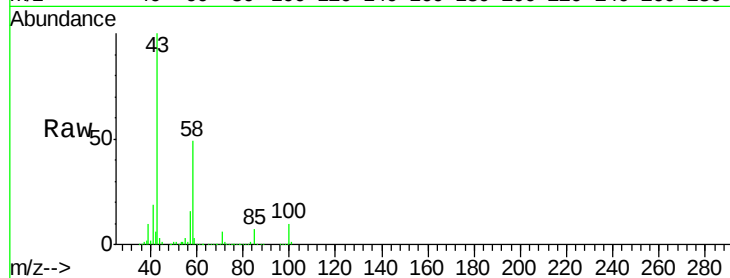
#59
2-Hexanone
Concen: 100.751 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.8	24.3	72.9

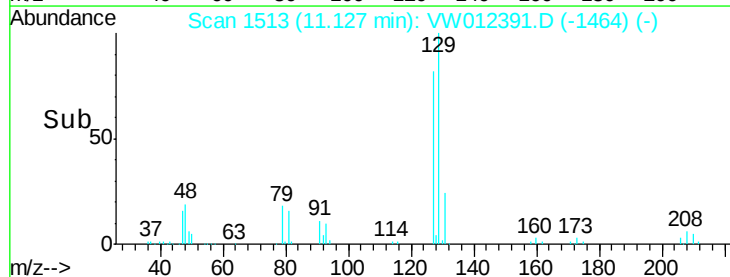
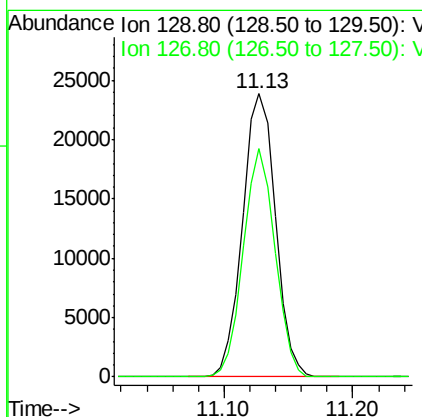
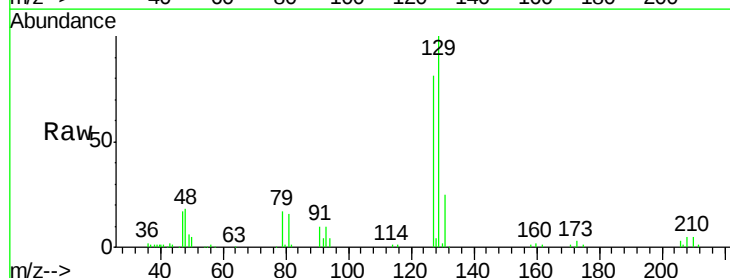
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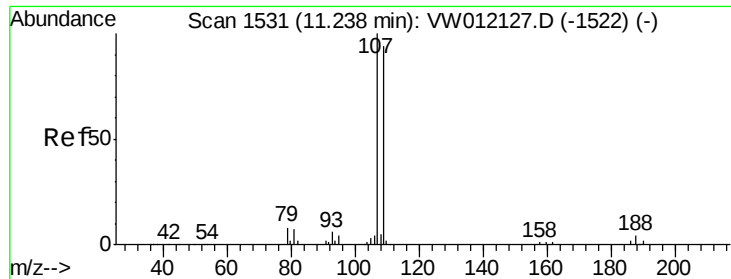
MMDadoda
9/3/2019 2:42:08 AM



#60
Dibromochloromethane
Concen: 21.333 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.8





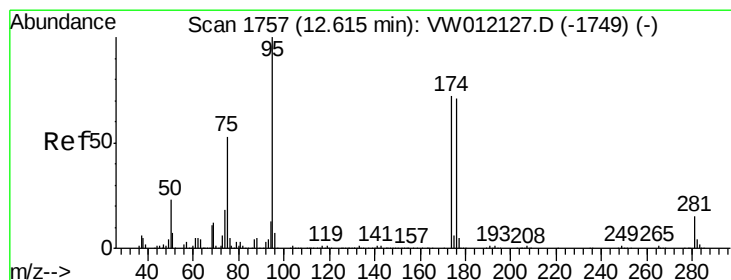
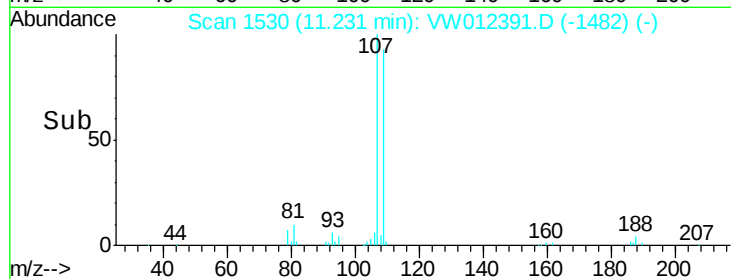
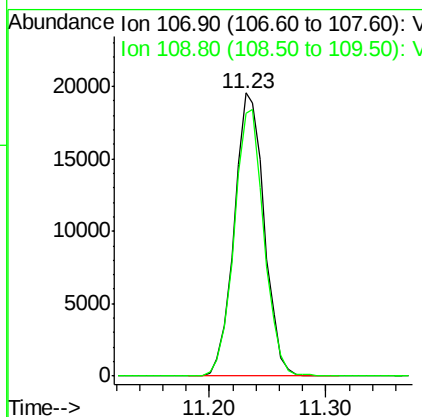
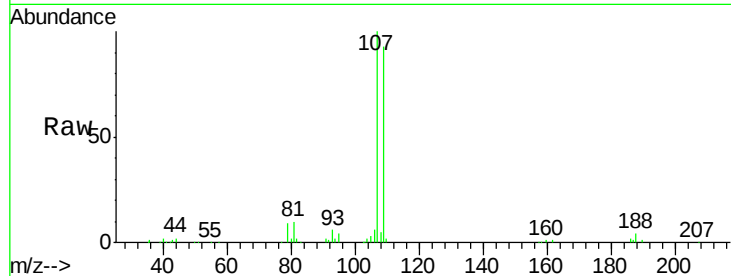
#61
 1,2-Dibromoethane
 Concen: 21.168 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.2

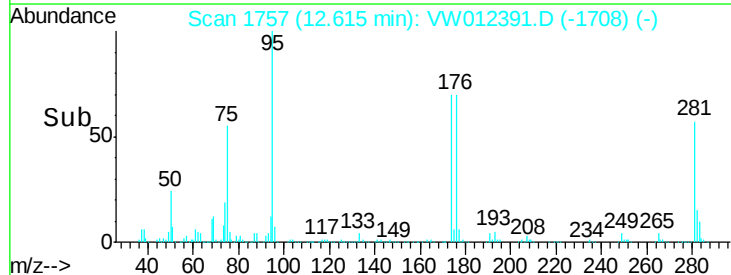
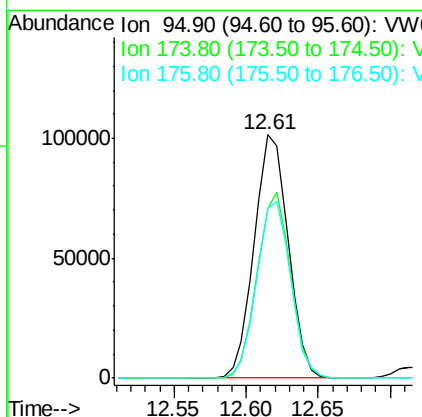
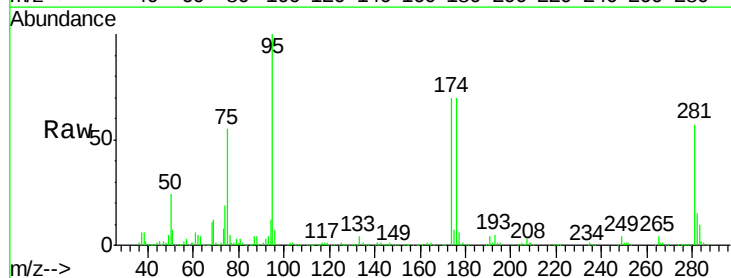
Manual Integrations
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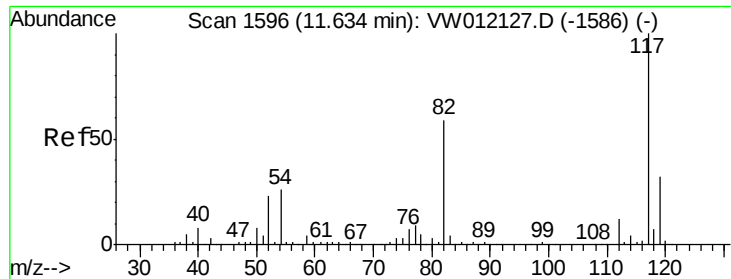
MMDadoda
 9/3/2019 2:42:08 AM



#62
 4-Bromofluorobenzene
 Concen: 52.289 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.8
176	72.7	0.0	148.6





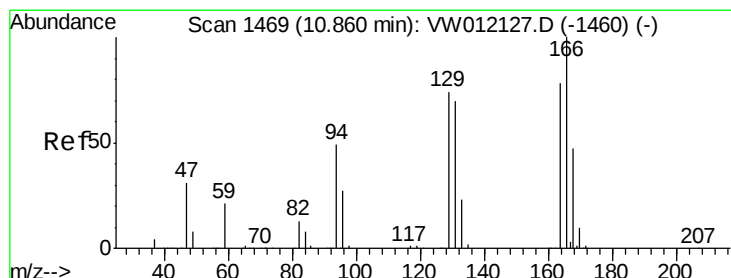
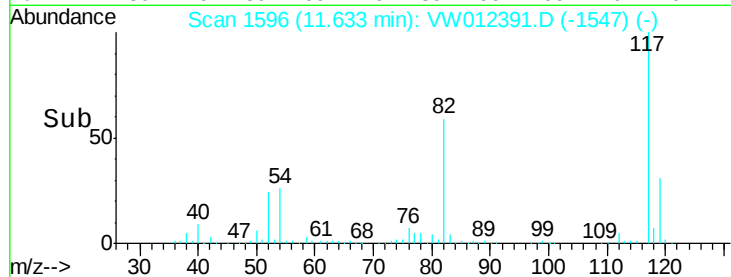
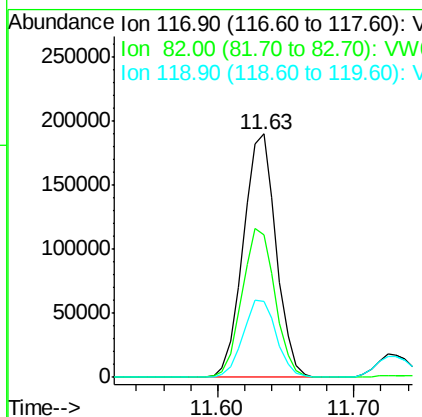
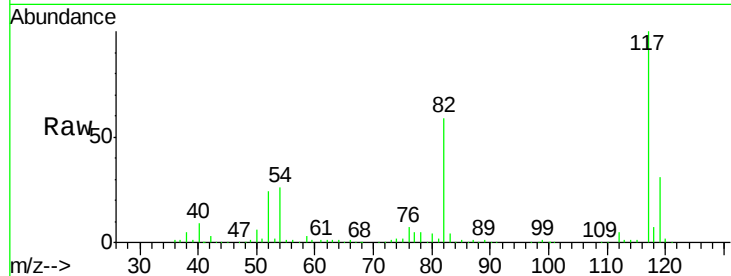
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.4	71.2
119	31.4	25.4	38.2

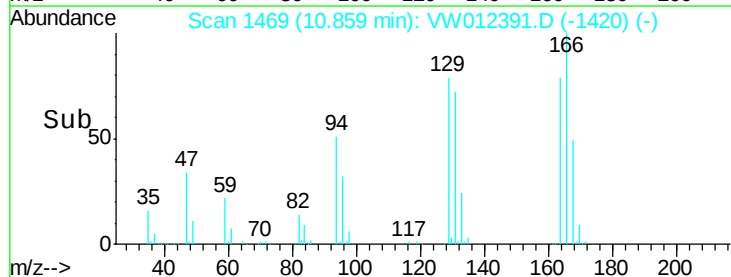
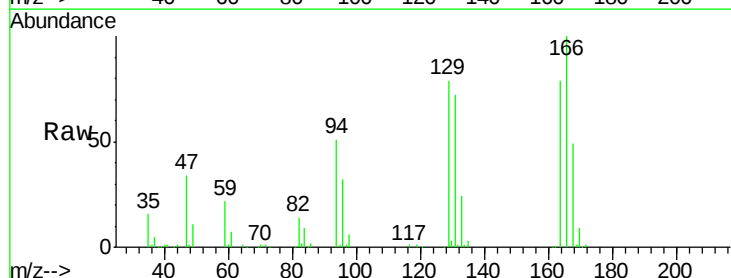
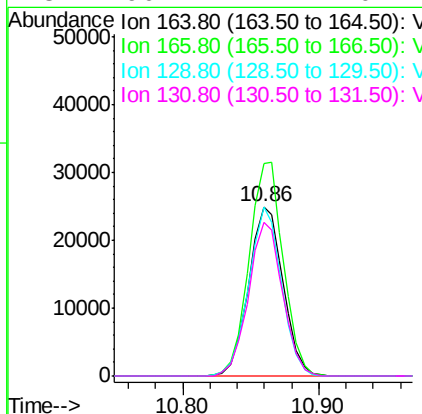
Manual Integrations
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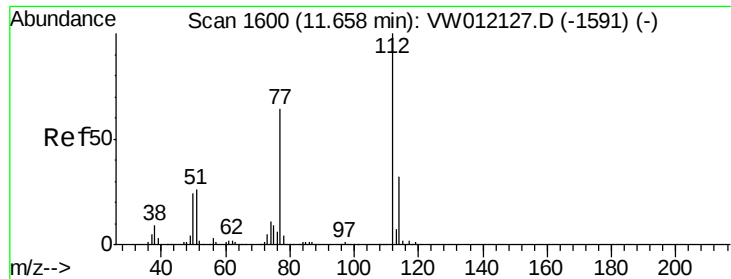
MMDadoda
9/3/2019 2:42:08 AM



#64
Tetrachloroethene
Concen: 21.230 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.4	153.6
129	99.7	75.8	113.6
131	90.7	71.4	107.2





#65

Chlorobenzene

Concen: 21.148 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion:112 Resp: 133369

Ion Ratio Lower Upper

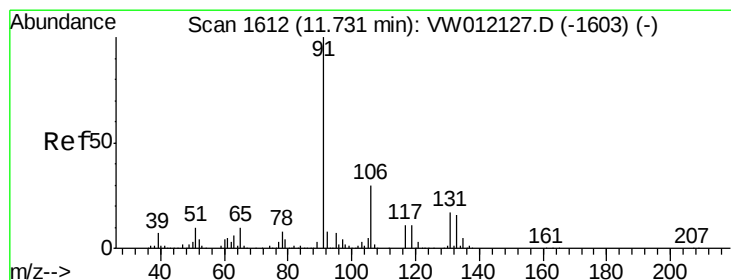
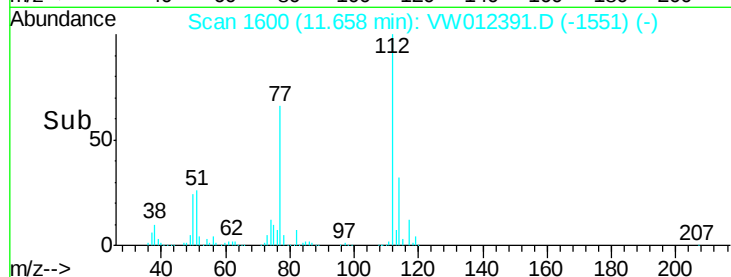
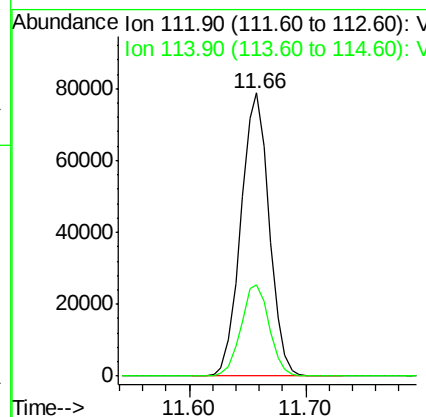
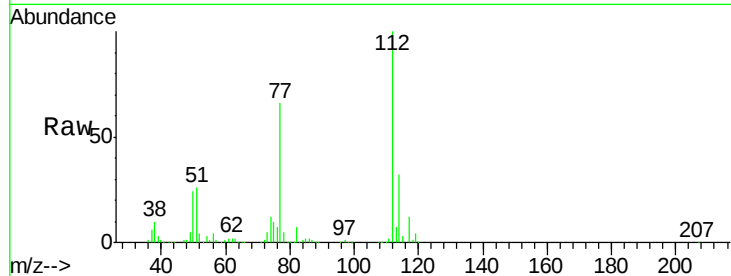
112 100

114 32.3 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.974 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

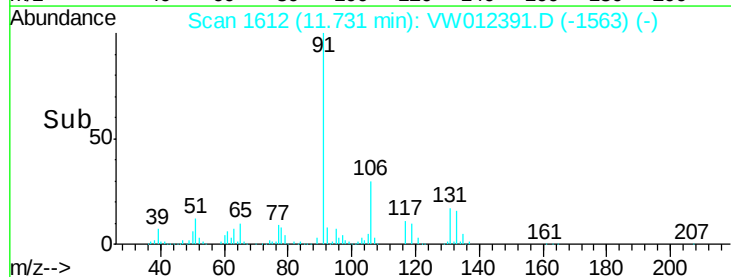
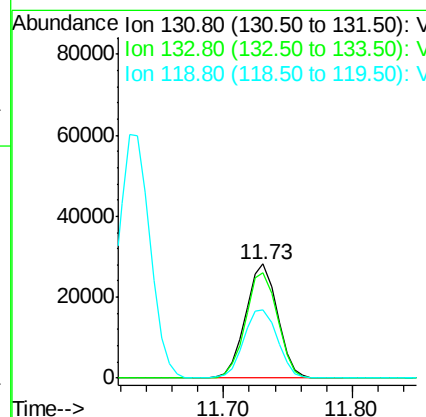
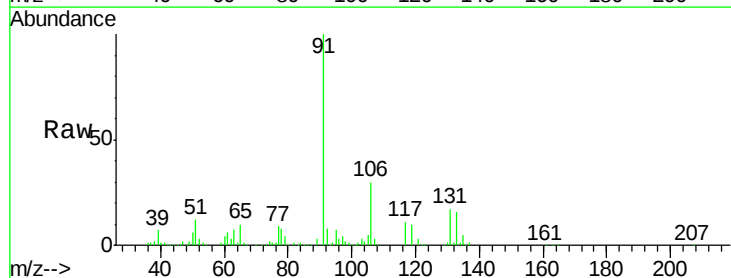
Tgt Ion:131 Resp: 48345

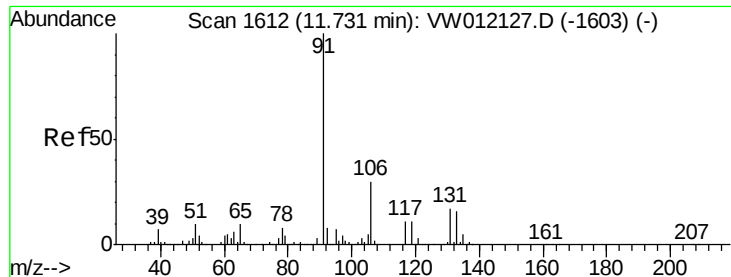
Ion Ratio Lower Upper

131 100

133 92.6 47.1 141.3

119 63.4 31.8 95.3





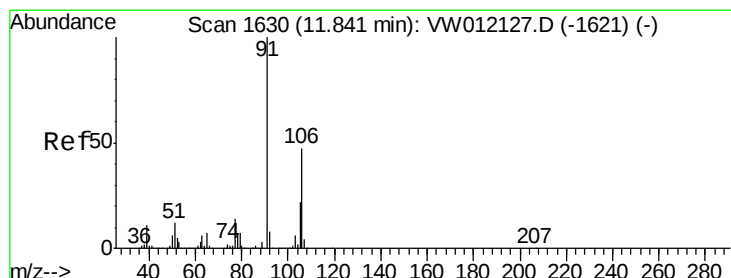
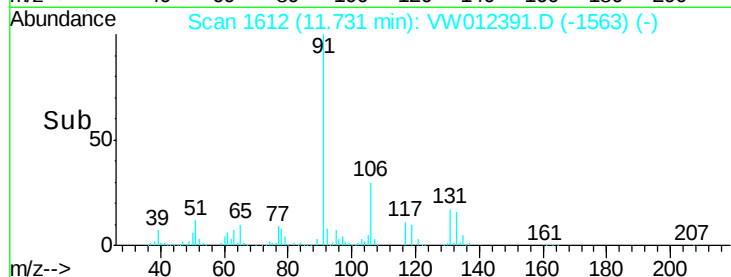
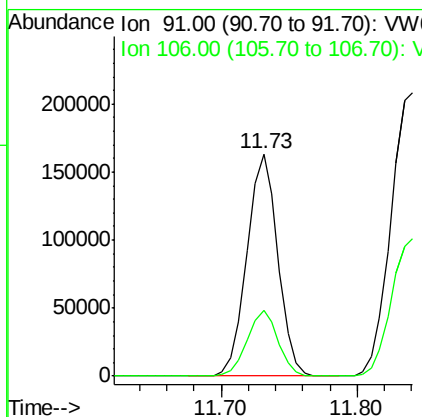
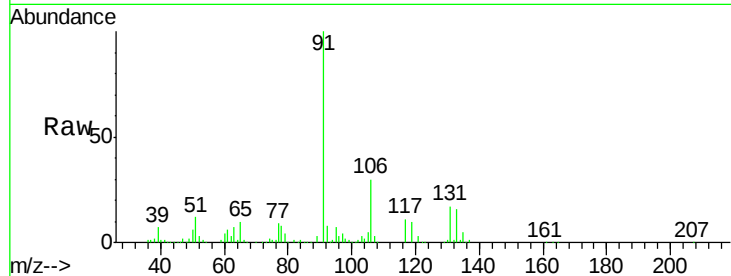
#67
Ethyl Benzene
Concen: 21.411 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.3	36.5

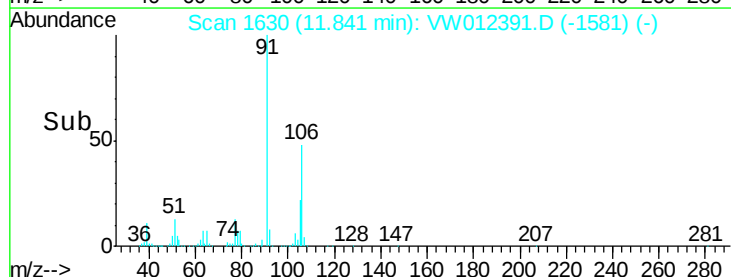
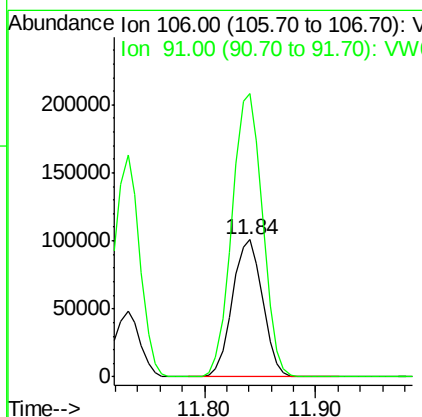
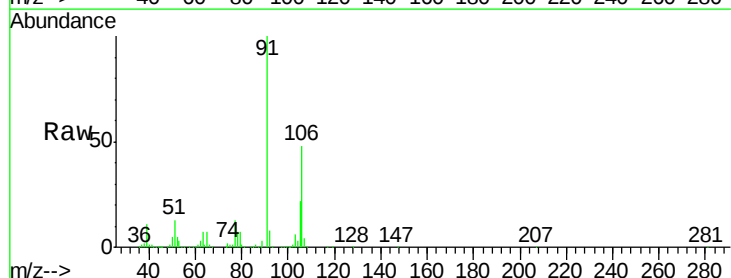
Manual Integrations
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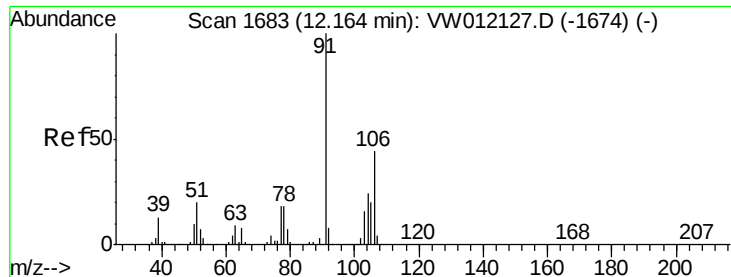
MMDadoda
9/3/2019 2:42:08 AM



#68
m/p-Xylenes
Concen: 43.276 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.2	169.5	254.3





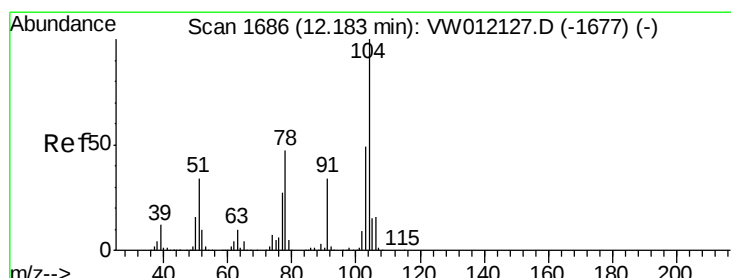
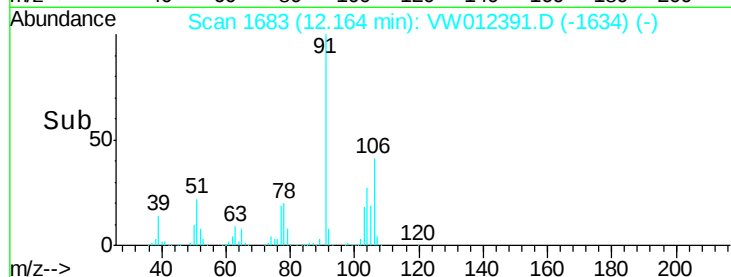
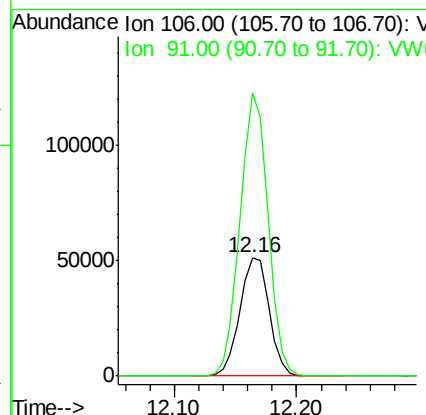
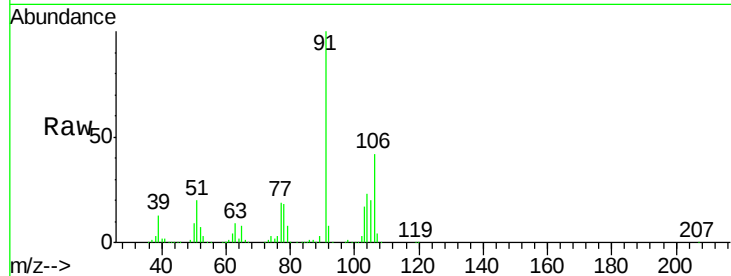
#69
o-Xylene
Concen: 21.027 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	228.2	111.6	334.6

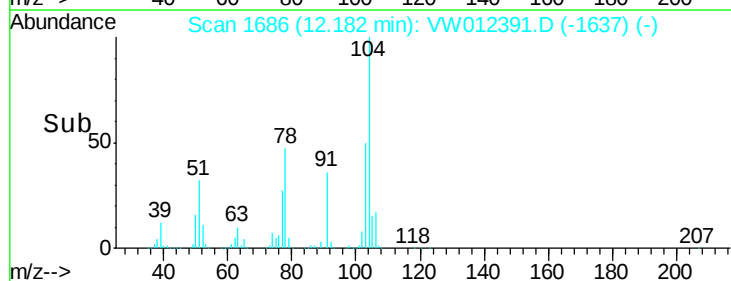
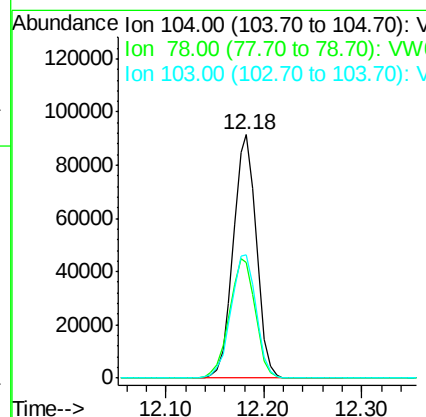
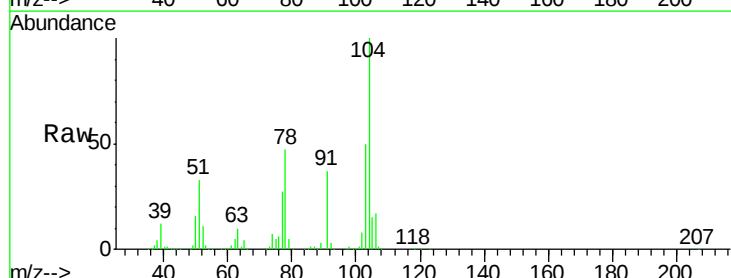
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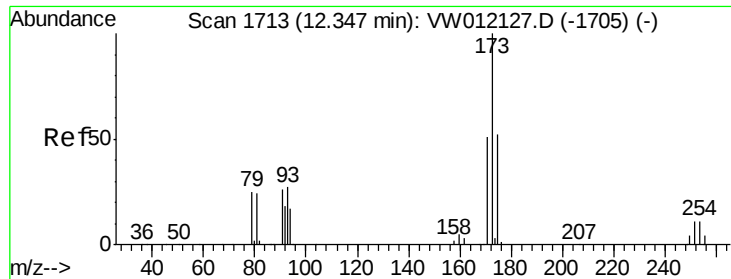
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#70
Styrene
Concen: 21.370 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	55.4	43.5	65.3





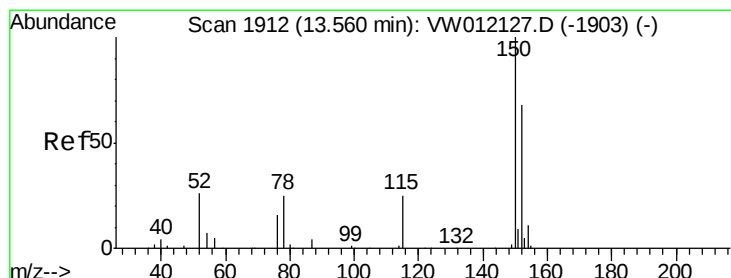
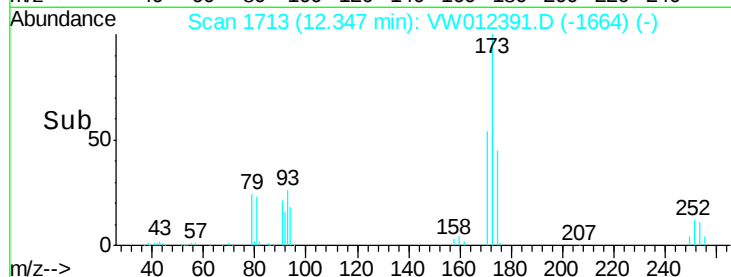
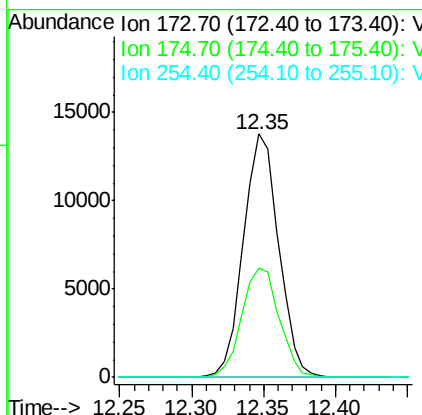
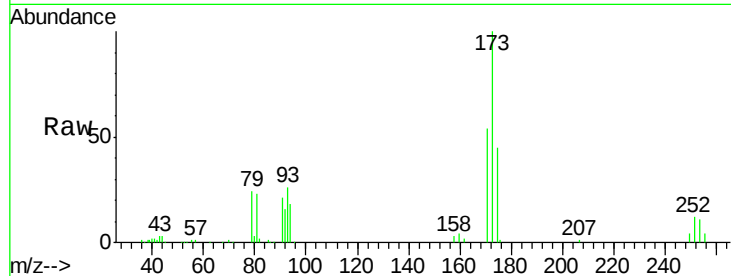
#71
Bromoform
Concen: 21.296 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	74.0
254	0.0	0.2	0.2

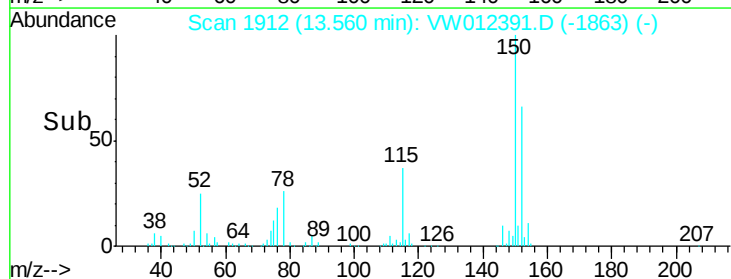
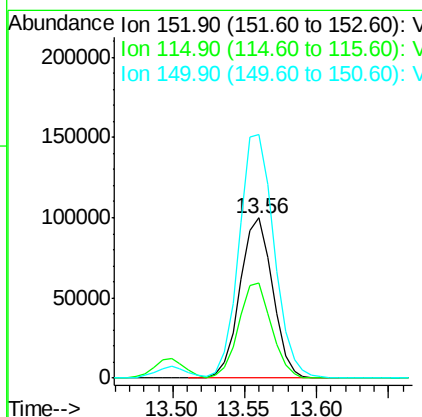
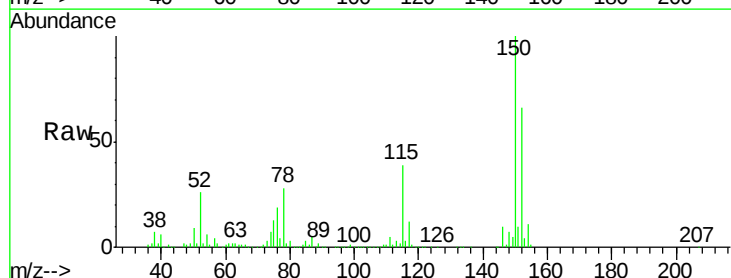
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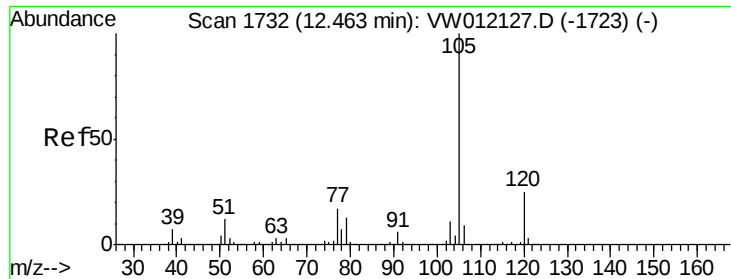
MMDadoda
9/3/2019 2:42:08 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.3
150	164.1	0.0	345.8





#73

Isopropylbenzene

Concen: 21.043 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion:105 Resp: 246671

Ion Ratio Lower Upper

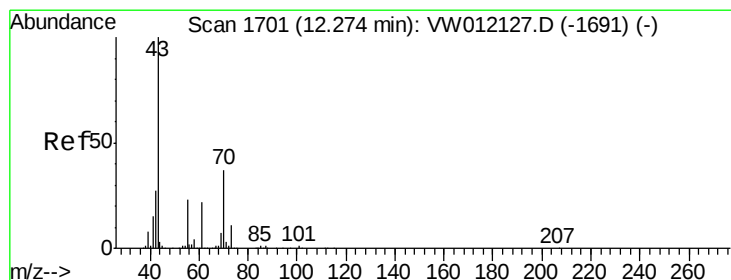
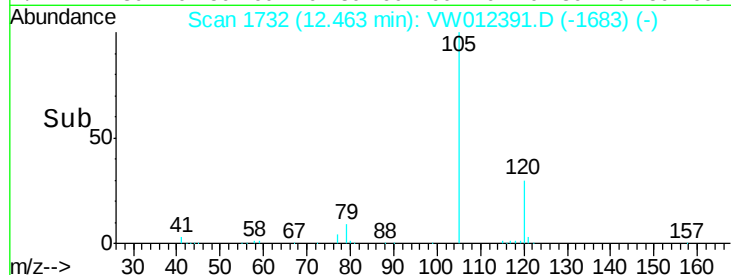
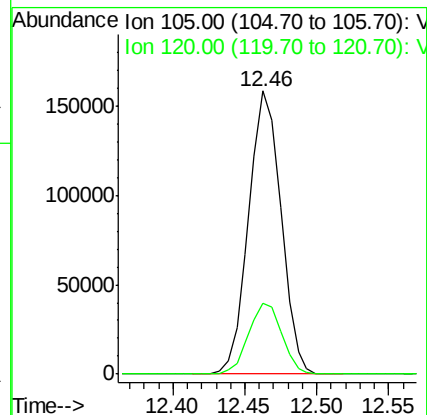
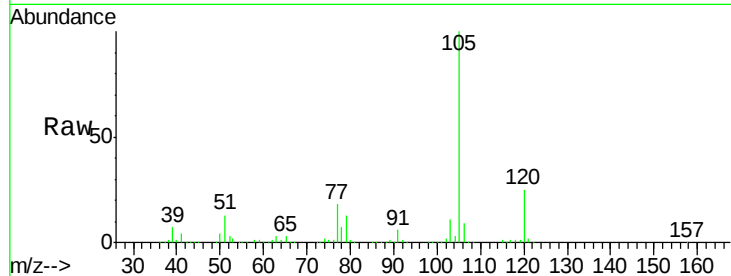
105 100

120 25.7 12.5 37.5

Manual Integrations
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9/3/2019 2:42:08 AM



#74

N-ethyl acetate

Concen: 20.725 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion: 43 Resp: 73400

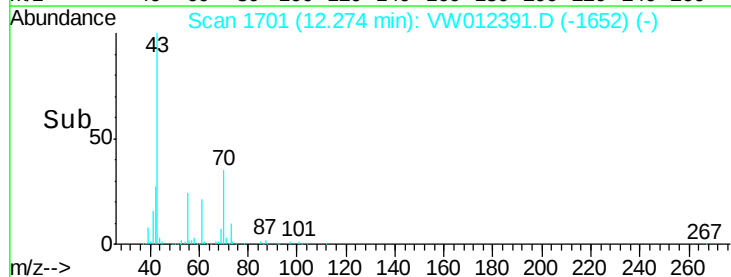
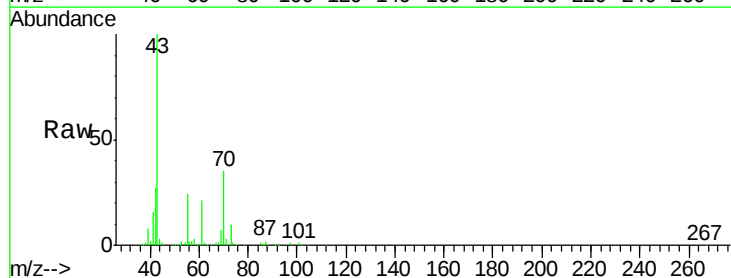
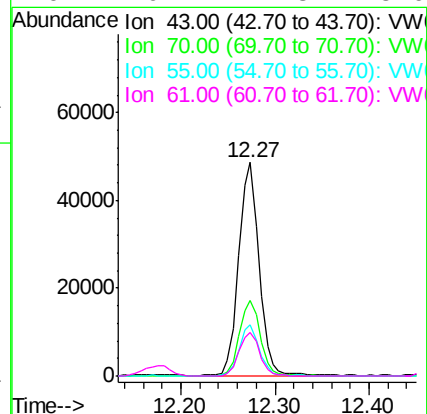
Ion Ratio Lower Upper

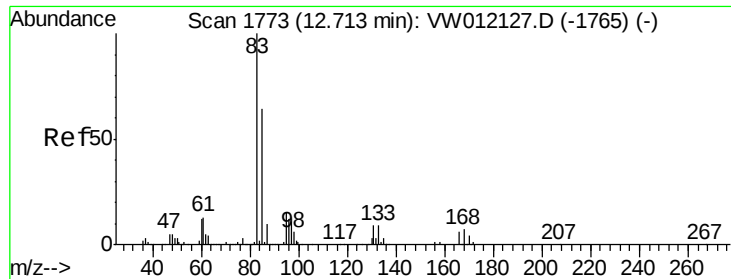
43 100

70 37.0 28.6 43.0

55 24.0 17.8 26.6

61 20.7 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.490 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

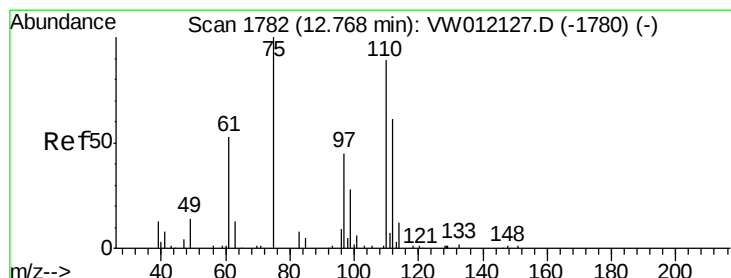
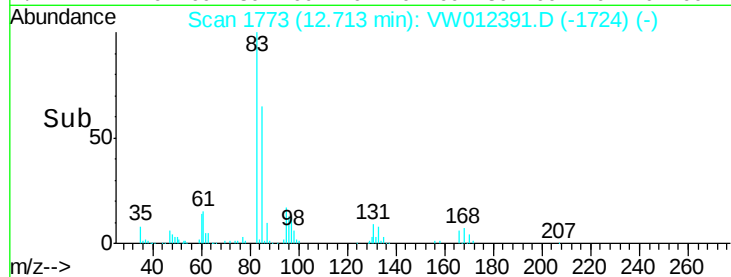
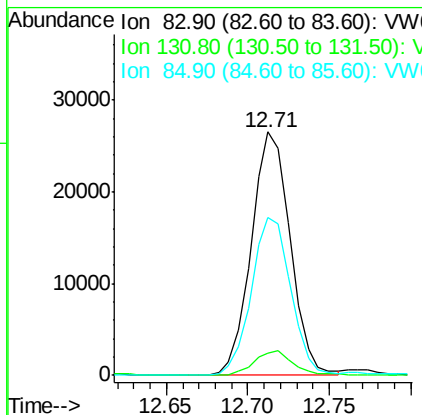
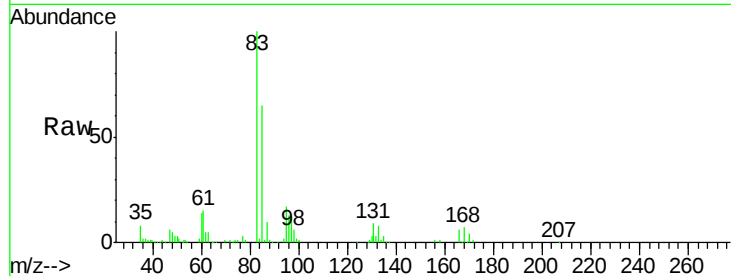
ClientSampleId :

VW0831SBS01

Tot Ion:	83	Resp:	44035
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	65.3	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 20.851 ug/l m

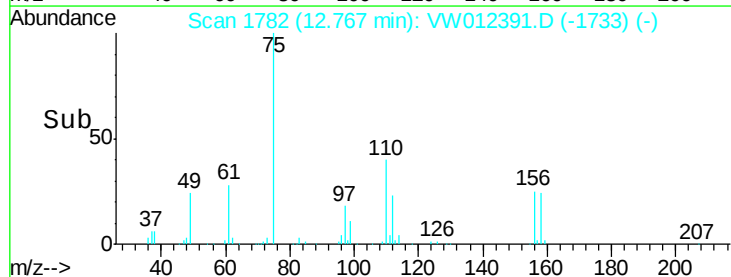
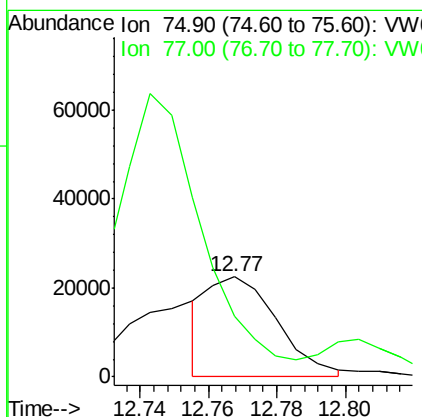
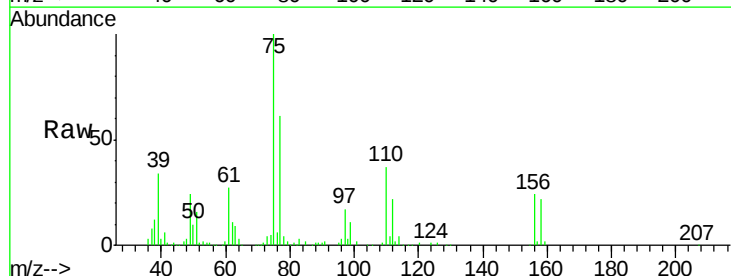
RT: 12.77 min Scan# 1782

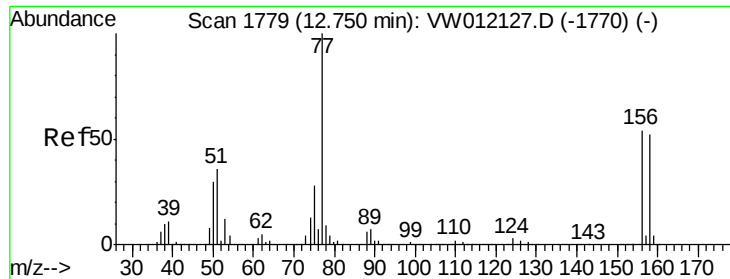
Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Tgt Ion:	75	Resp:	31770
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.321 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion:156 Resp: 54071

Ion Ratio Lower Upper

156 100

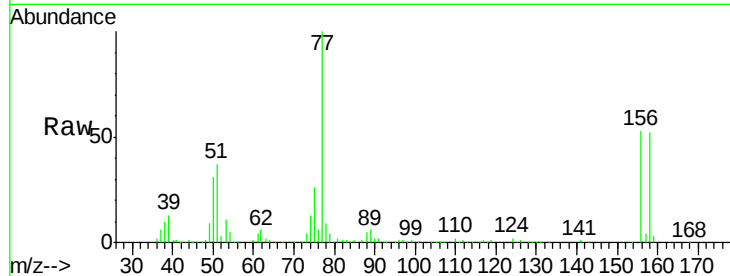
77 210.2 107.3 321.8

158 96.2 49.0 147.0

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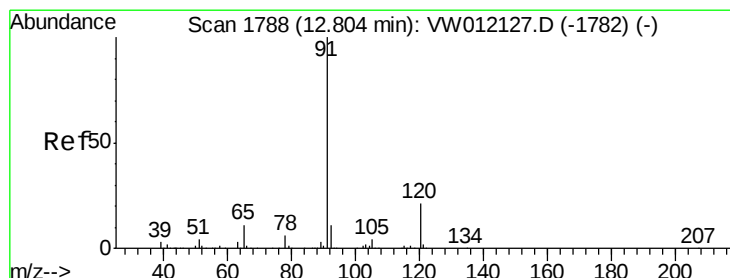
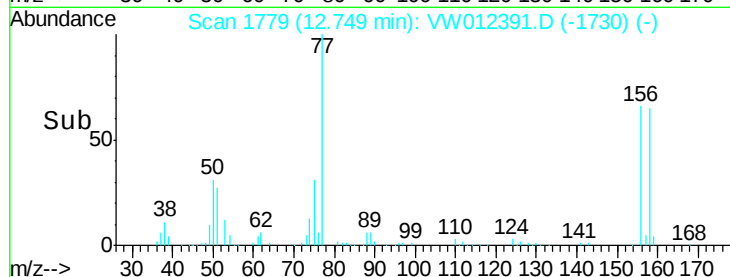
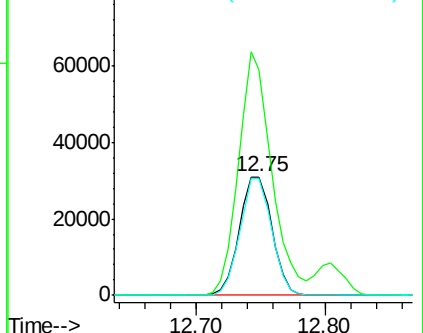
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.083 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012391.D

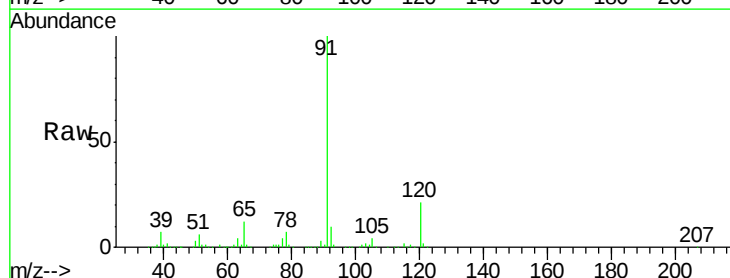
Acq: 31 Aug 2019 11:17

Tgt Ion: 91 Resp: 301716

Ion Ratio Lower Upper

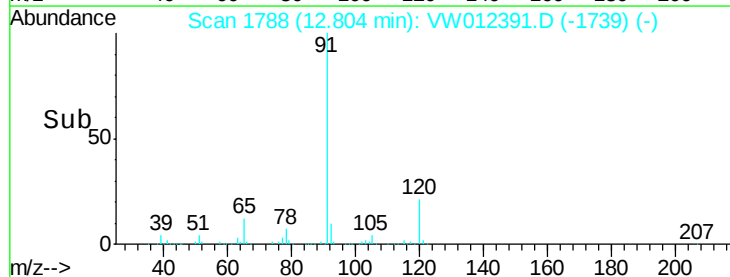
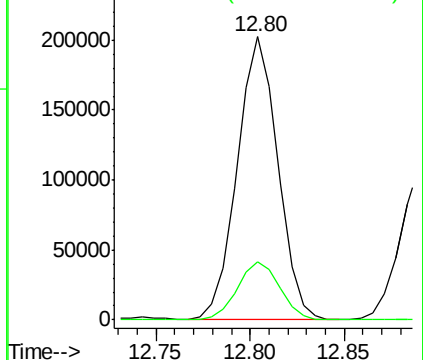
91 100

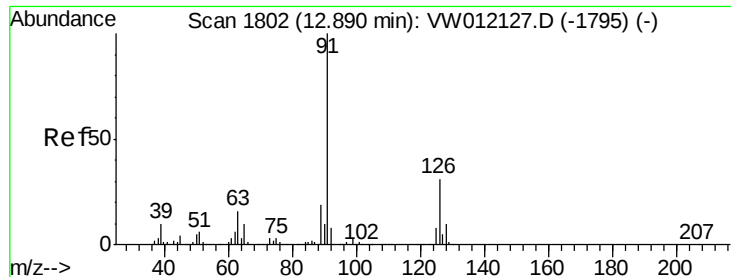
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.211 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 91 Resp: 172335

Ion Ratio Lower Upper

91 100

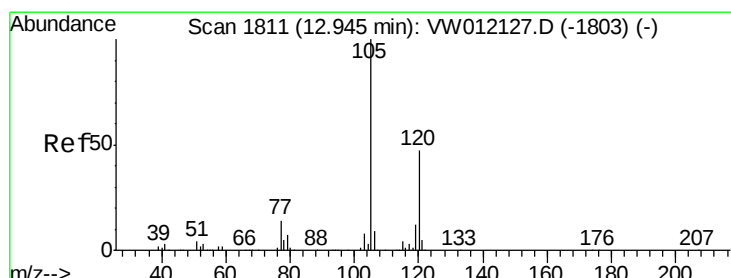
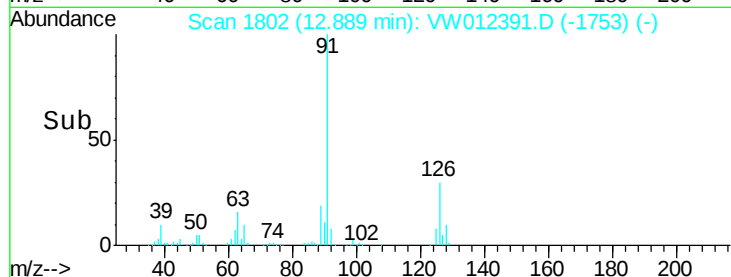
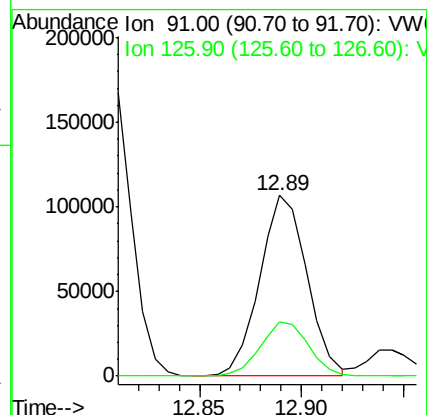
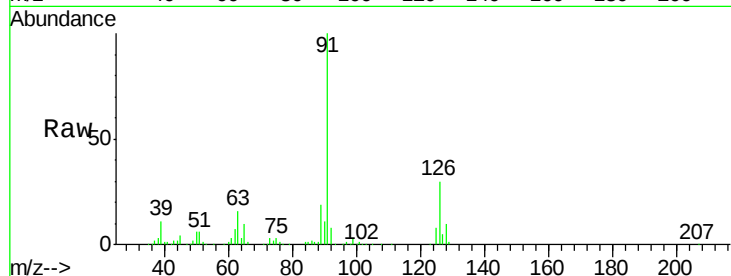
126 30.6 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 21.430 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012391.D

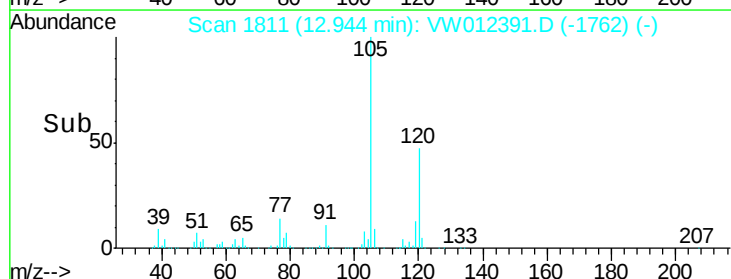
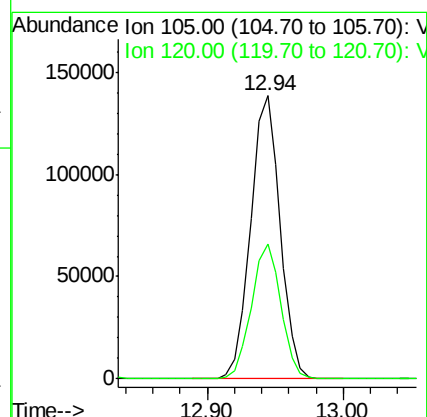
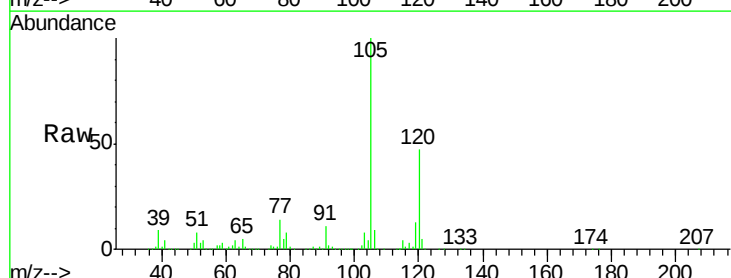
Acq: 31 Aug 2019 11:17

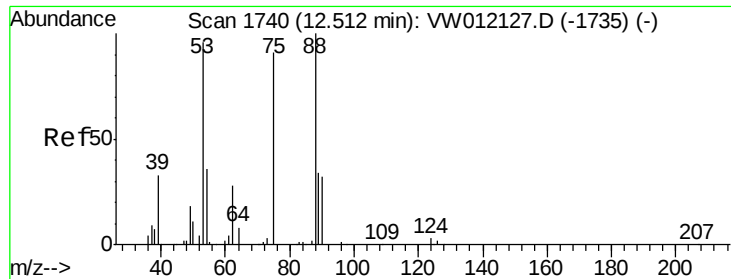
Tgt Ion:105 Resp: 209911

Ion Ratio Lower Upper

105 100

120 47.8 24.0 72.0





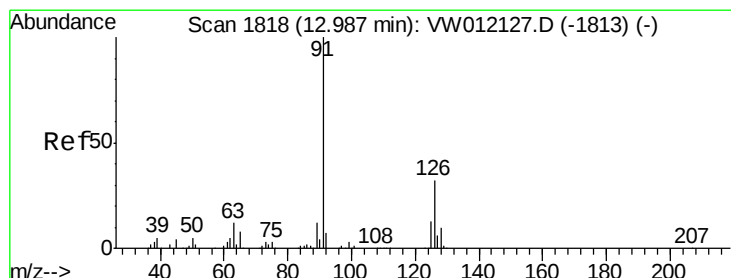
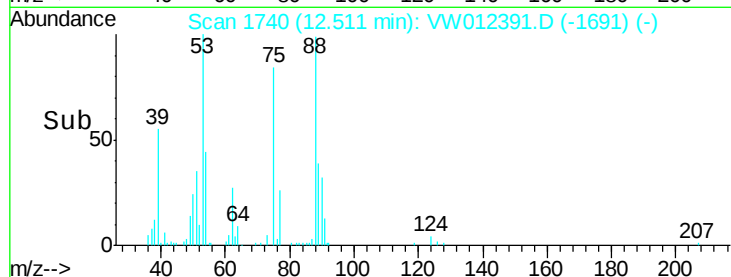
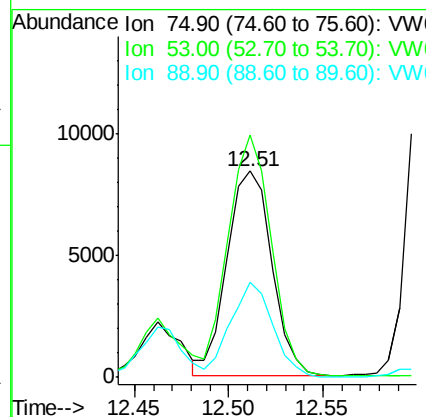
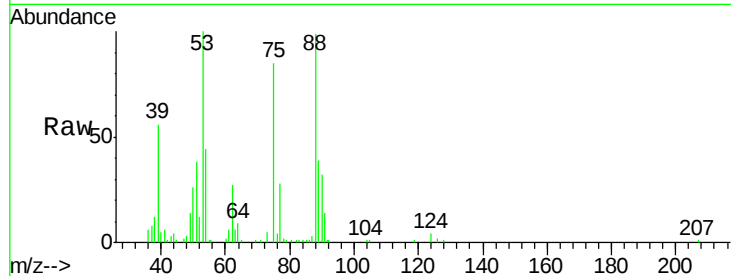
#81
trans-1,4-Dichloro-2-butene
Concen: 19.869 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.6	89.4	134.0
89	44.1	34.5	51.7

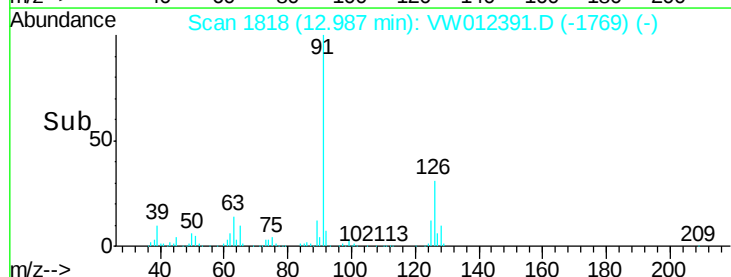
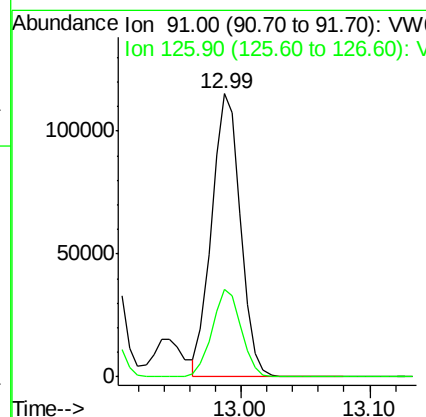
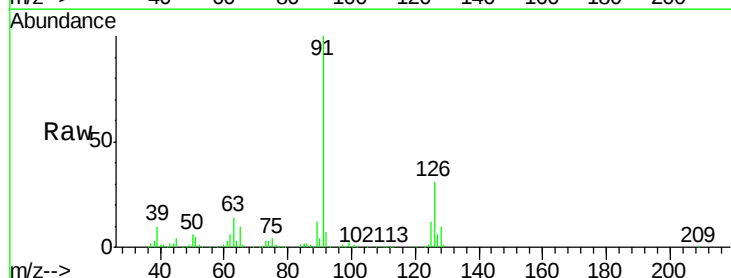
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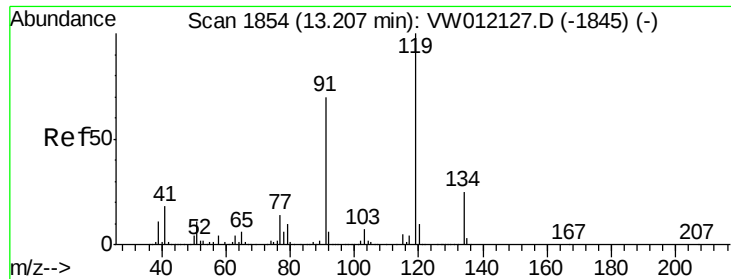
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#82
4-Chlorotoluene
Concen: 21.159 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





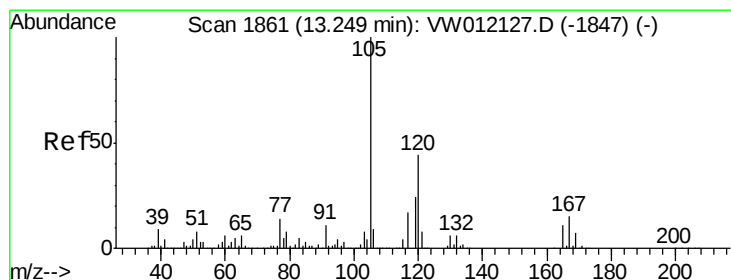
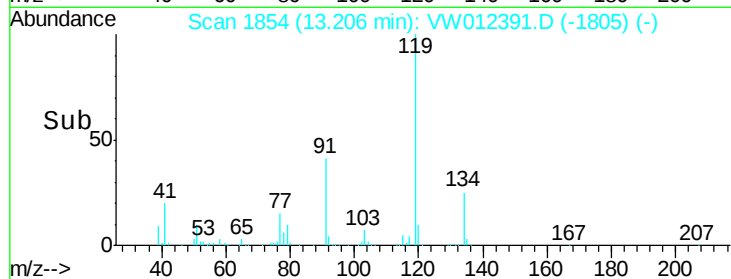
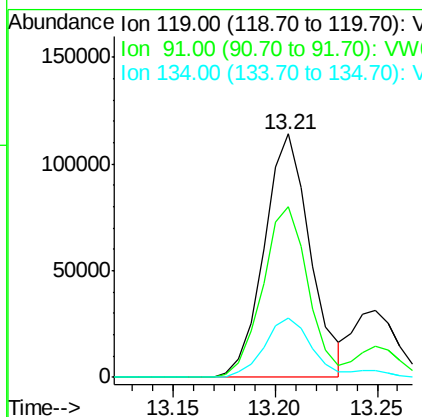
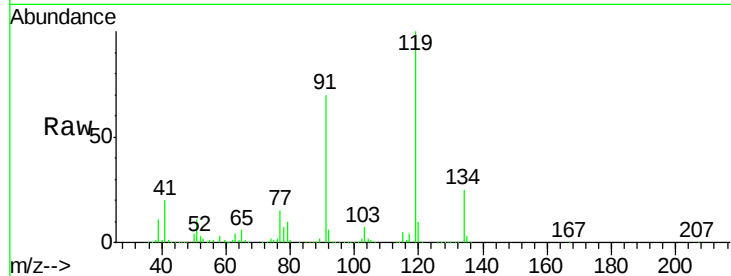
#83
 tert-Butylbenzene
 Concen: 21.576 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	34.8	104.3
134	25.0	13.3	39.8

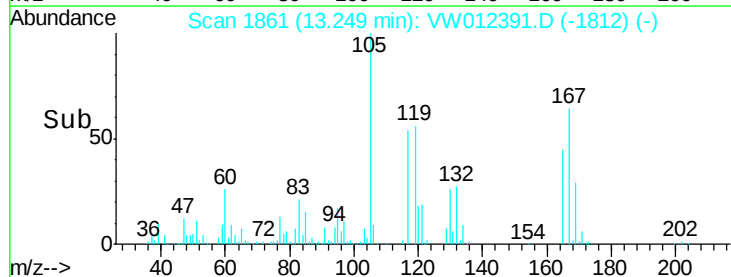
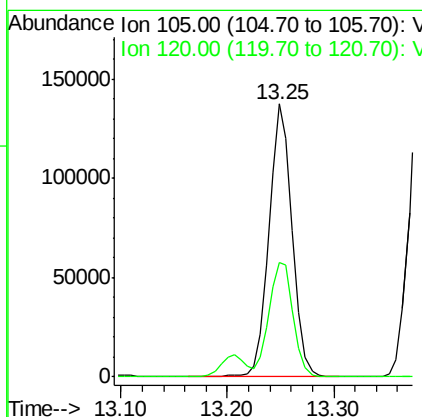
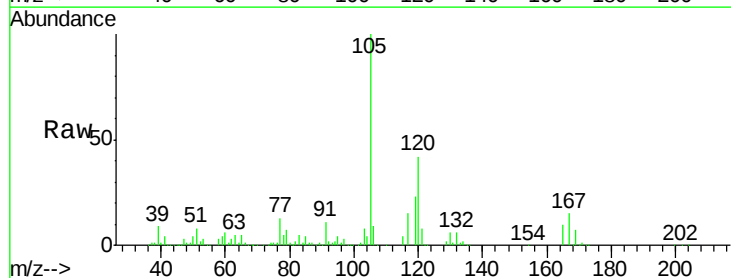
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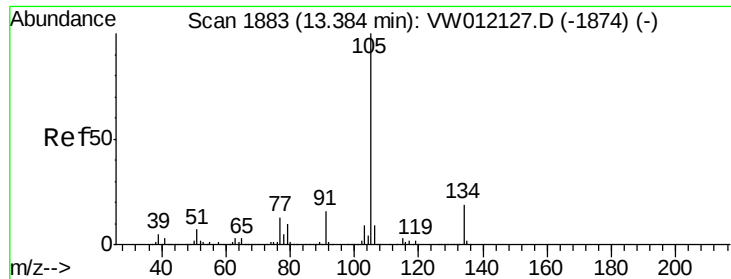
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.134 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.9	65.7





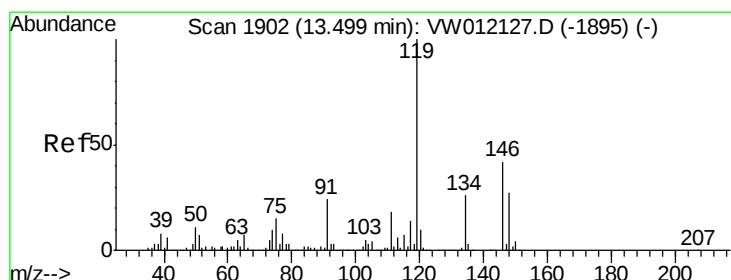
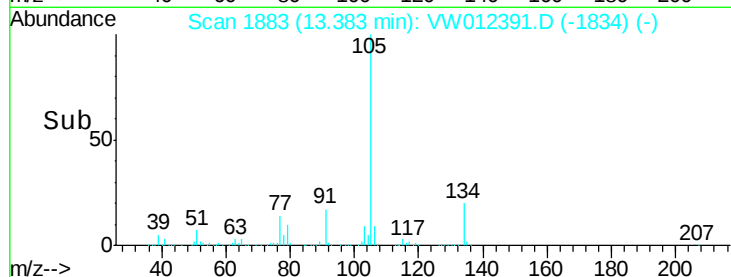
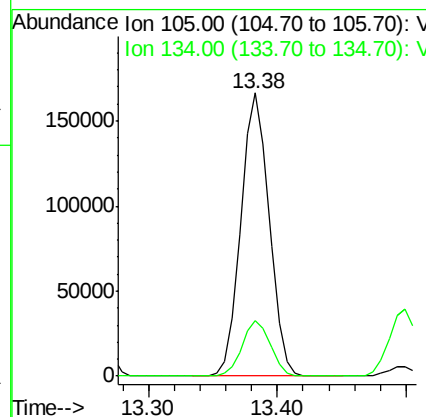
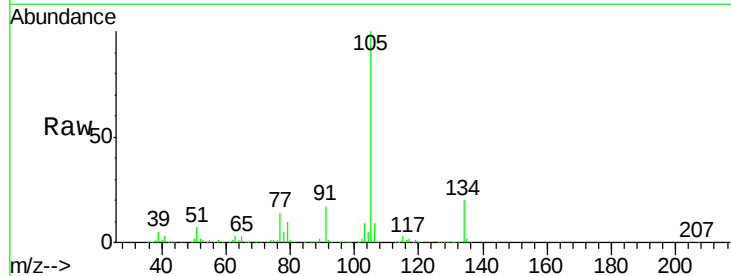
#85
 sec-Butylbenzene
 Concen: 21.330 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	253560		
134	19.5	9.8	29.4	

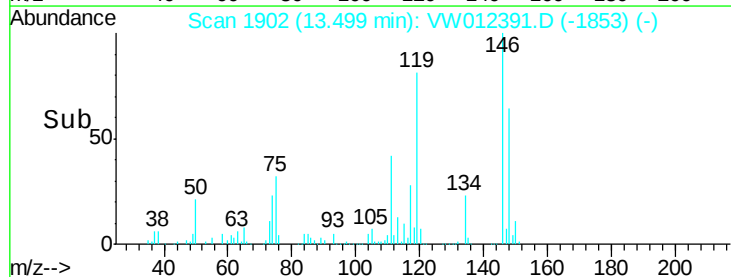
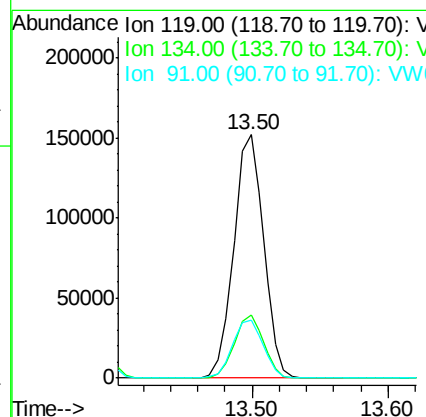
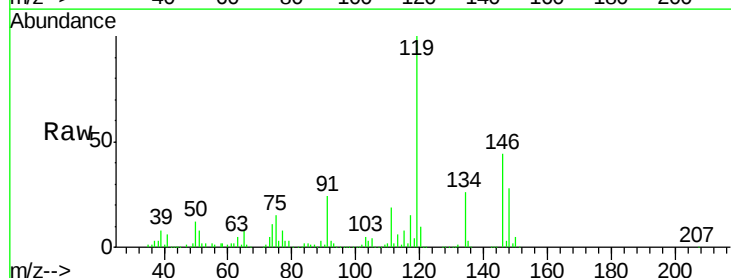
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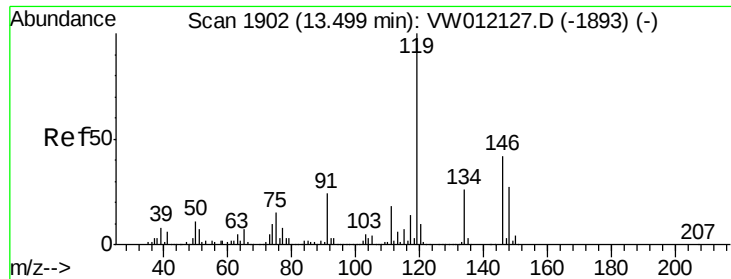
MMDadoda
 9/3/2019 2:42:08 AM



#86
 p-Isopropyltoluene
 Concen: 21.823 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	231673		
134	25.7	12.8	38.3	
91	24.4	12.3	36.9	





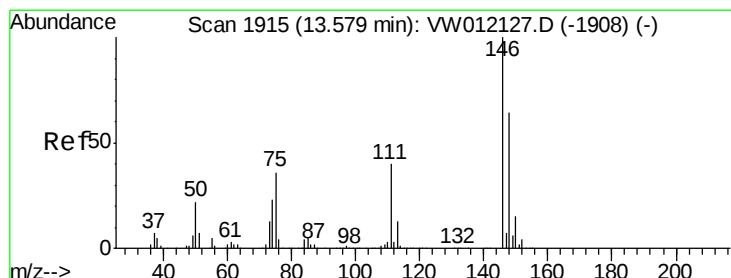
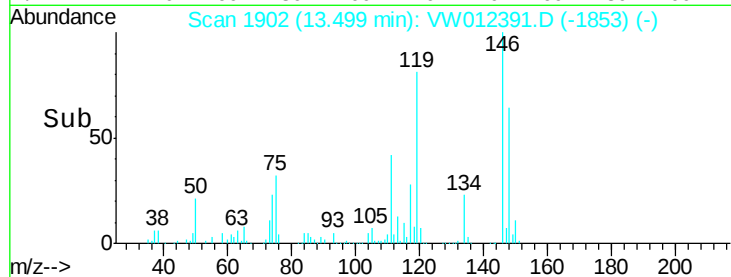
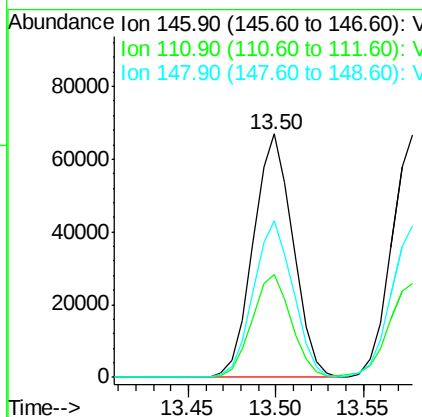
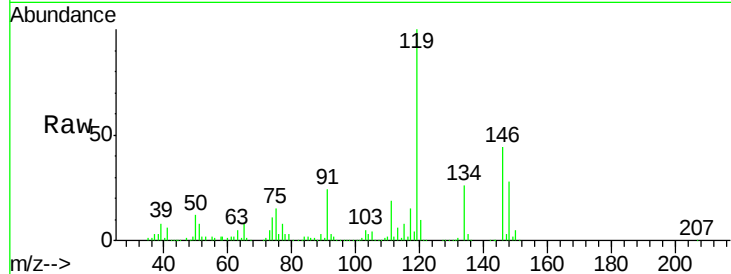
#87
 1,3-Dichlorobenzene
 Concen: 21.248 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	105397		
111	42.0	20.9	62.7	
148	64.0	32.2	96.6	

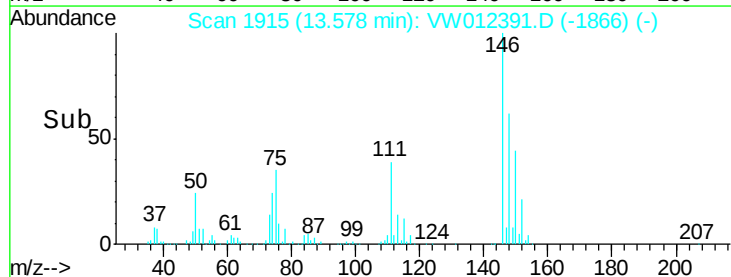
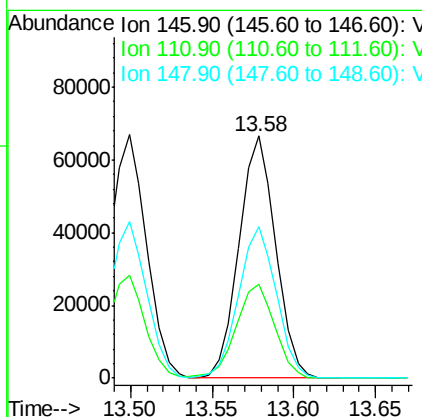
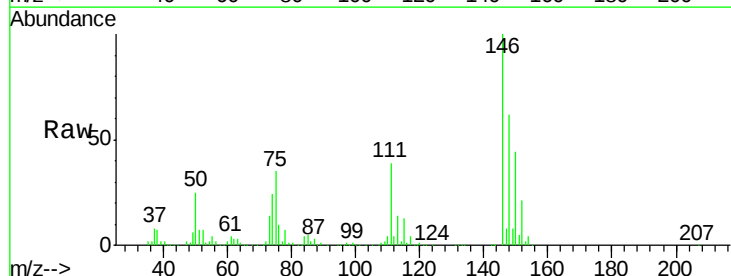
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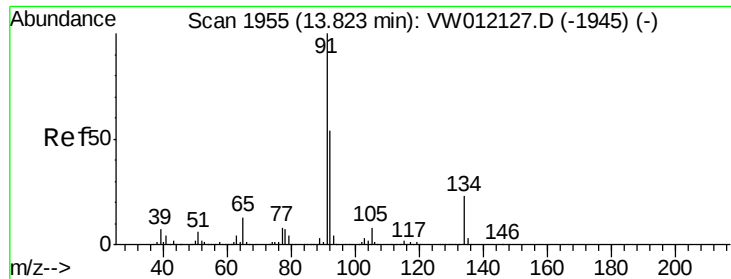
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 21.106 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103954		
111	41.1	20.0	60.0	
148	64.7	32.1	96.3	





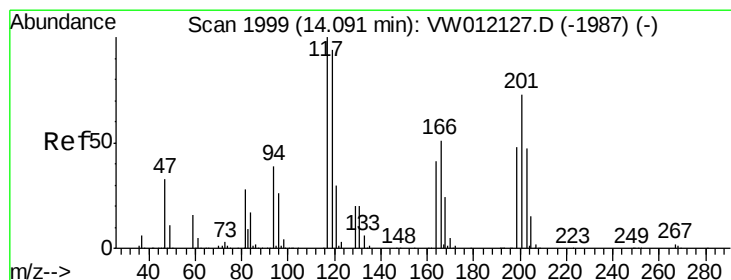
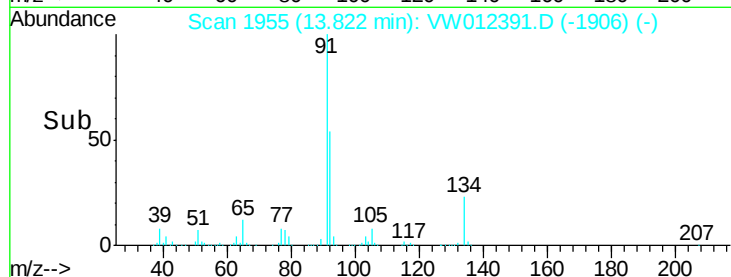
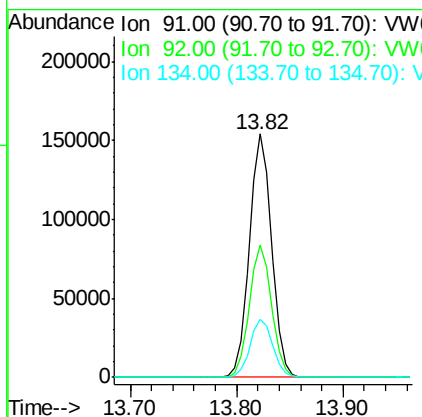
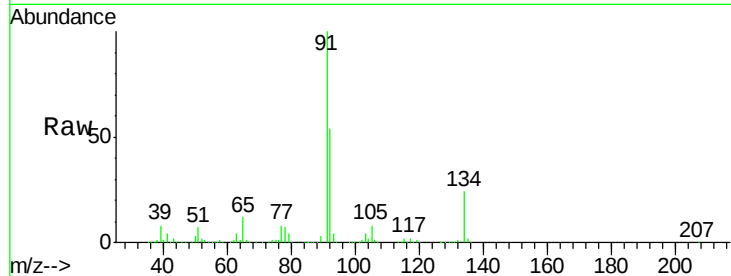
#89
n-Butylbenzene
Concen: 21.433 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	24.4	12.2	36.4

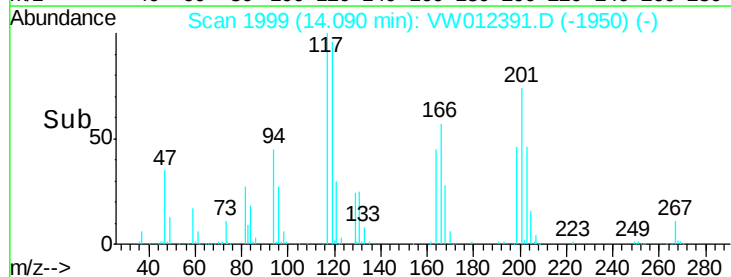
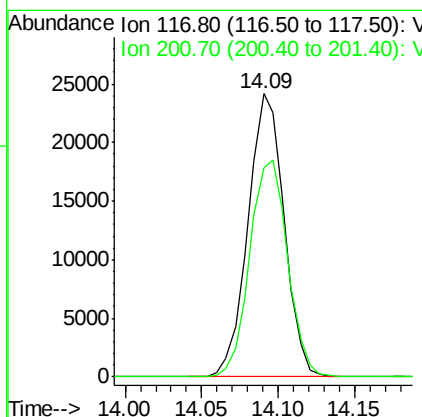
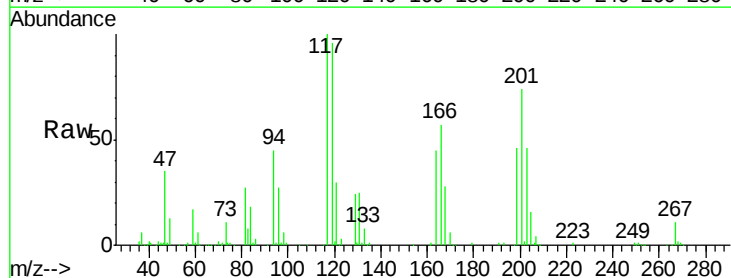
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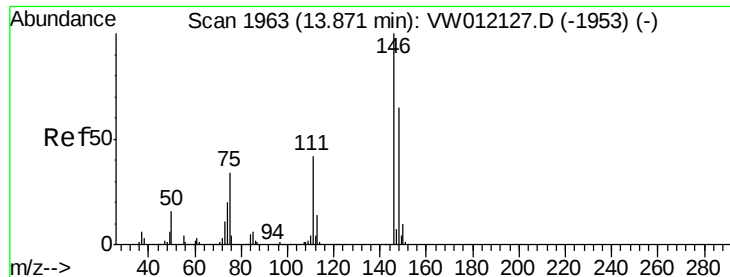
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9/3/2019 2:42:08 AM



#90
Hexachloroethane
Concen: 21.359 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	38.6	115.7





#91

1,2-Dichlorobenzene

Concen: 21.731 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012391.D

Acq: 31 Aug 2019 11:17

Instrument :

MSVOA_W

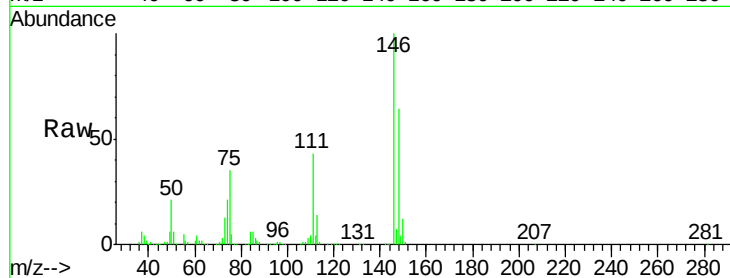
ClientSampleId :

VW0831SBS01

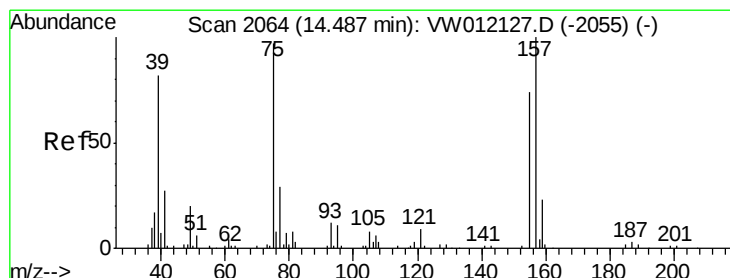
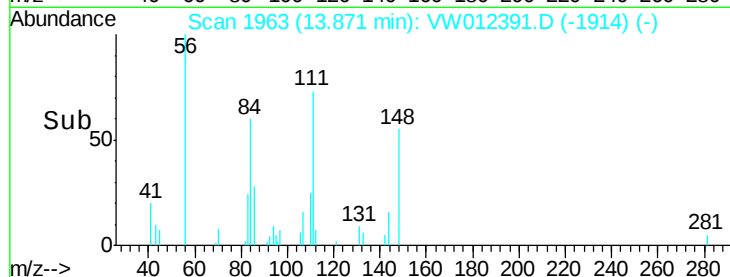
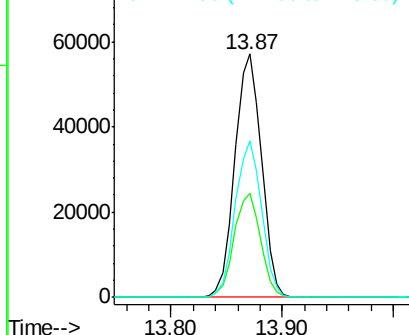
Tot Ion:	146	Resp:	94564
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	63.7	32.5	97.4

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.737 ug/l

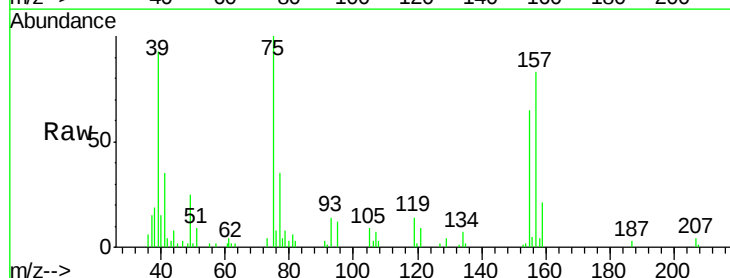
RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

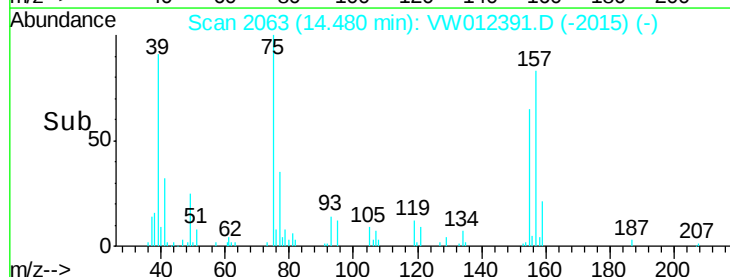
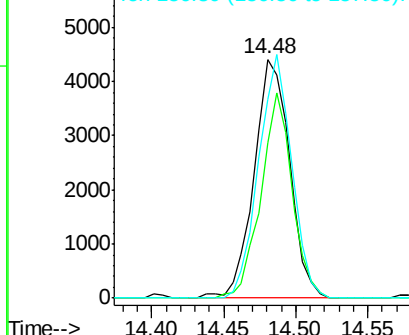
Lab File: VW012391.D

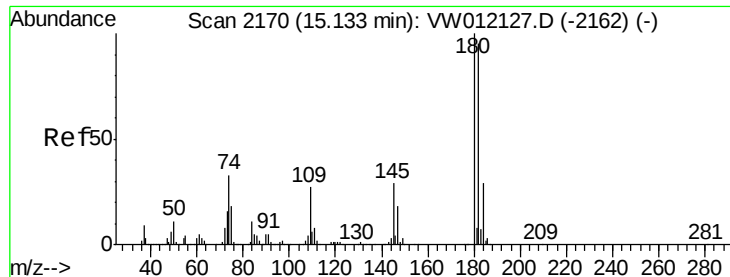
Acq: 31 Aug 2019 11:17

Tgt Ion:	75	Resp:	7513
Ion	Ratio	Lower	Upper
75	100		
155	75.5	37.5	112.3
157	94.5	50.5	151.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





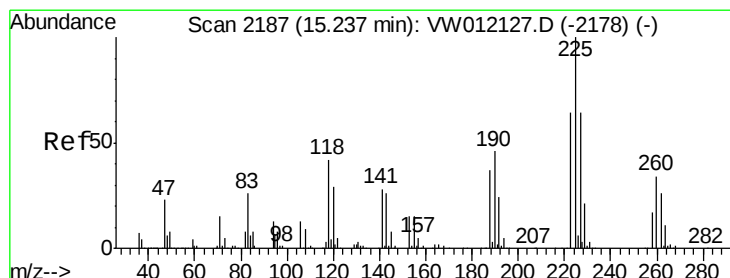
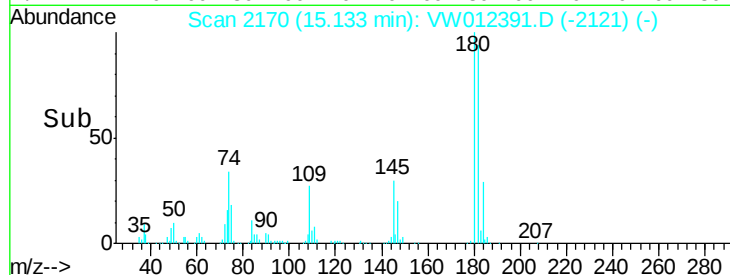
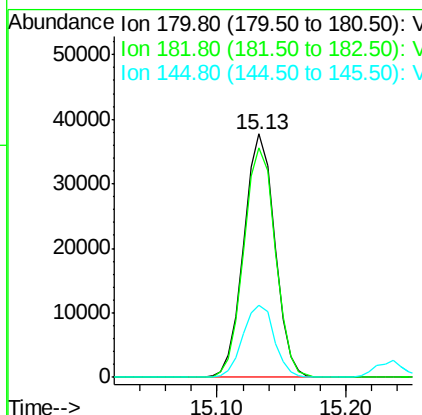
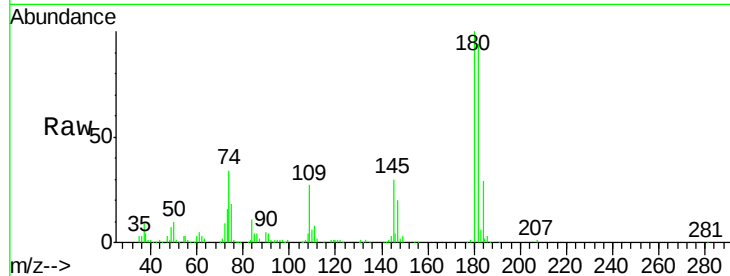
#93
 1,2,4-Trichlorobenzene
 Concen: 20.794 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62530		
182	96.1	47.8	143.4	
145	30.2	15.0	45.1	

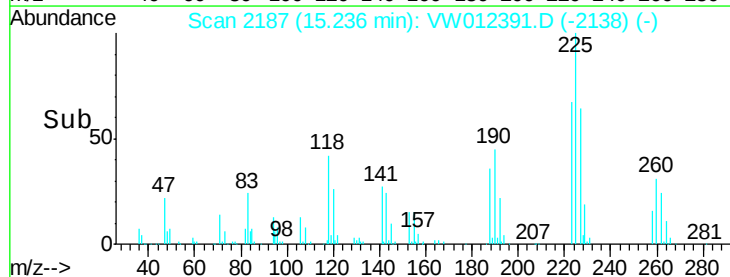
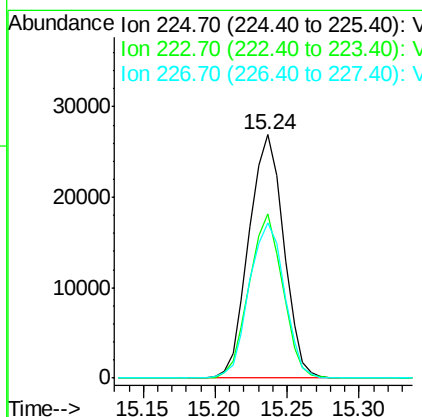
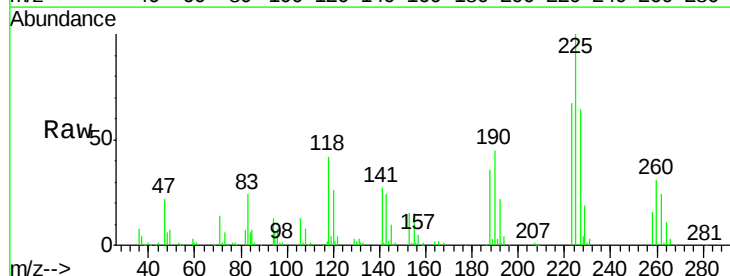
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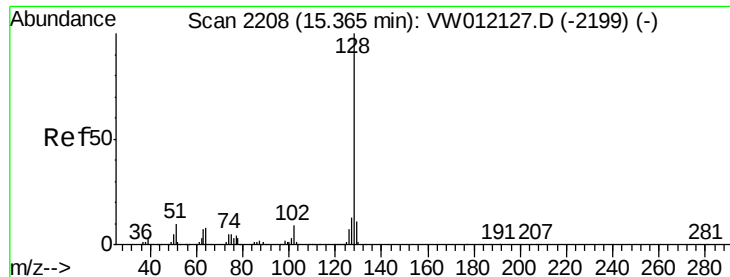
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#94
 Hexachlorobutadiene
 Concen: 22.698 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012391.D
 Acq: 31 Aug 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45069		
223	65.0	32.3	96.8	
227	64.5	32.9	98.6	





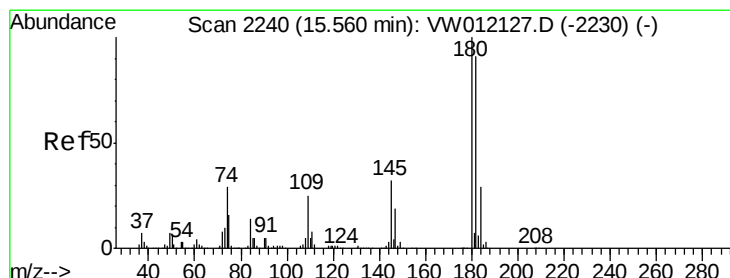
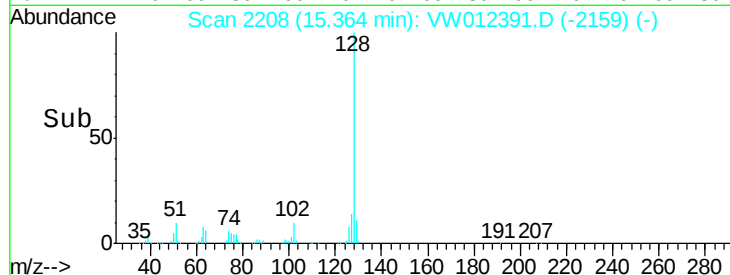
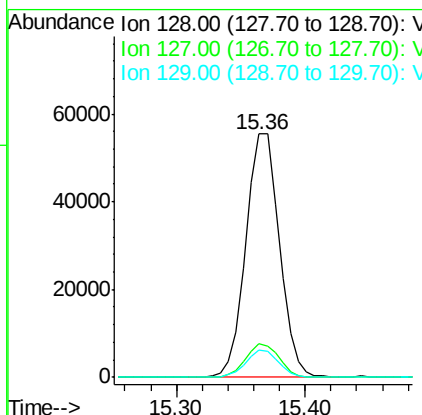
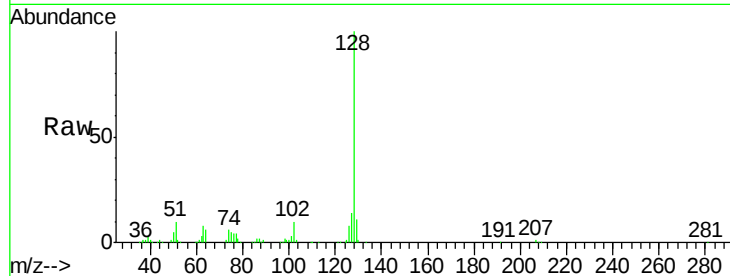
#95
Naphthalene
Concen: 19.823 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.9		10.7	16.1	
129	10.9		8.7	13.1	

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#96
1,2,3-Trichlorobenzene
Concen: 20.472 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012391.D
Acq: 31 Aug 2019 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.6		47.1	141.3	
145	32.1		16.2	48.5	

