

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013224.D
 Acq On : 23 Sep 2019 12:10
 Operator : SY/VA
 Sample : VW0923SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:39 AM

Quant Time: Sep 24 06:56:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	430554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151550	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.88	113	149484	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	10.32	98	634878	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
62) 4-Bromofluorobenzene	12.62	95	216196	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	44147	22.070	ug/l	94
3) Chloromethane	2.21	50	52625	20.466	ug/l	96
4) Vinyl Chloride	2.36	62	71349	21.523	ug/l	97
5) Bromomethane	2.77	94	43485	20.700	ug/l	98
6) Chloroethane	2.92	64	38796	19.855	ug/l	99
7) Trichlorofluoromethane	3.25	101	37734	19.741	ug/l	98
8) Diethyl Ether	3.68	74	33821	20.715	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65006	20.889	ug/l	99
10) Methyl Iodide	4.26	142	98828	20.483	ug/l	99
11) Tert butyl alcohol	5.18	59	23602	110.196	ug/l	96
12) 1,1-Dichloroethene	4.04	96	67949	21.085	ug/l	98
13) Acrolein	3.89	56	17171	105.397	ug/l	96
14) Allyl chloride	4.67	41	105299	20.531	ug/l	99
15) Acrylonitrile	5.37	53	72448	102.806	ug/l	99
16) Acetone	4.12	43	60327	94.523	ug/l	94
17) Carbon Disulfide	4.38	76	195243	20.961	ug/l	99
18) Methyl Acetate	4.67	43	38099	21.236	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	103837	21.024	ug/l	96
20) Methylene Chloride	4.92	84	75514	21.478	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	72905	20.932	ug/l	98
22) Diisopropyl ether	6.31	45	203882	20.905	ug/l	95
23) Vinyl Acetate	6.25	43	603701	104.341	ug/l	99
24) 1,1-Dichloroethane	6.21	63	124097	21.087	ug/l	97
25) 2-Butanone	7.17	43	94100	98.217	ug/l	94
26) 2,2-Dichloropropane	7.17	77	78106	20.195	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	78351	21.316	ug/l	99
28) Bromochloromethane	7.51	49	41719	18.470	ug/l #	98
29) Tetrahydrofuran	7.53	42	59764	101.716	ug/l	99
30) Chloroform	7.67	83	119529	20.745	ug/l	97
31) Cyclohexane	7.95	56	128348	20.922	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	96892	20.763	ug/l	99
36) 1,1-Dichloropropene	8.08	75	102105	21.122	ug/l	100
37) Ethyl Acetate	7.26	43	41895	20.392	ug/l	99
38) Carbon Tetrachloride	8.07	117	90518	20.889	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	131020	21.091	ug/l	97
40) Benzene	8.32	78	287254	21.304	ug/l	99
41) Methacrylonitrile	7.48	41	24041	19.607	ug/l	95
42) 1,2-Dichloroethane	8.40	62	75370	20.794	ug/l	98
43) Isopropyl Acetate	8.42	43	79936	20.301	ug/l	97
44) Trichloroethene	9.09	130	81033	21.420	ug/l	92
45) 1,2-Dichloropropane	9.37	63	69433	21.092	ug/l	99
46) Dibromomethane	9.46	93	33442	20.925	ug/l	99
47) Bromodichloromethane	9.64	83	84141	20.690	ug/l	97
48) Methyl methacrylate	9.43	41	40310	21.771	ug/l	97
49) 1,4-Dioxane	9.46	88	9589	399.708	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	199843	101.239	ug/l	98
52) Toluene	10.39	92	183920	21.283	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87680	20.986	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	106993	21.061	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	49925	20.900	ug/l	94
56) Ethyl methacrylate	10.65	69	65762	21.035	ug/l	100
57) 1,3-Dichloropropane	10.93	76	87637	21.023	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	148368	102.514	ug/l	100
59) 2-Hexanone	10.97	43	138173	101.741	ug/l	100
60) Dibromochloromethane	11.13	129	58840	21.693	ug/l	98
61) 1,2-Dibromoethane	11.23	107	46749	20.583	ug/l	97
64) Tetrachloroethene	10.86	164	69468	21.265	ug/l	98
65) Chlorobenzene	11.66	112	188374	20.952	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	66393	21.615	ug/l	97
67) Ethyl Benzene	11.73	91	345152	21.187	ug/l	98
68) m/p-Xylenes	11.84	106	267269	43.055	ug/l	100
69) o-Xylene	12.16	106	122538	21.232	ug/l	98
70) Styrene	12.18	104	211172	21.313	ug/l	100
71) Bromoform	12.35	173	34584	21.312	ug/l #	99
73) Isopropylbenzene	12.46	105	340951	20.947	ug/l	100
74) N-amyl acetate	12.27	43	70966	19.648	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	55406	20.354	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	36094m	18.549	ug/l	
77) Bromobenzene	12.74	156	81074	21.019	ug/l	99
78) n-propylbenzene	12.80	91	400680	21.030	ug/l	100
79) 2-Chlorotoluene	12.89	91	227631	21.326	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	288856	21.112	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18501	21.334	ug/l	99
82) 4-Chlorotoluene	12.99	91	236238	20.988	ug/l	100
83) tert-Butylbenzene	13.21	119	253059	21.072	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	287857	21.142	ug/l	100
85) sec-Butylbenzene	13.38	105	352871	21.313	ug/l	99
86) p-Isopropyltoluene	13.50	119	323821	21.087	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	157723	21.247	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	157207	21.593	ug/l	99
89) n-Butylbenzene	13.82	91	298467	21.285	ug/l	99
90) Hexachloroethane	14.09	117	54663	21.189	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	137900	21.473	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8804	21.145	ug/l	97

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MSVOA_W
ClientSampleId :
VW0923SBSD01

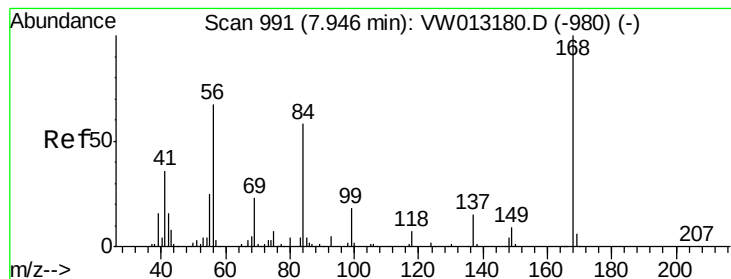
Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	97917	21.277	ug/l	99
94) Hexachlorobutadiene	15.24	225	66467	21.111	ug/l	98
95) Naphthalene	15.36	128	159363	21.173	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	85166	21.418	ug/l	98

(#) = 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: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

Tot Ion:168 Resp: 346767

Ion Ratio Lower Upper

168 100

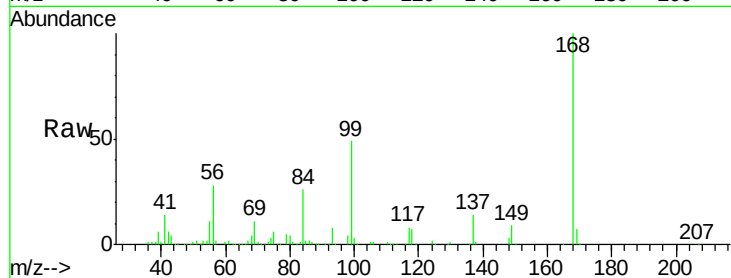
99 48.8 40.2 60.4

Manual Integrations

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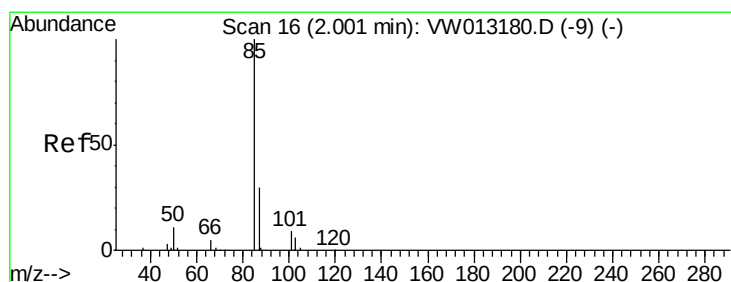
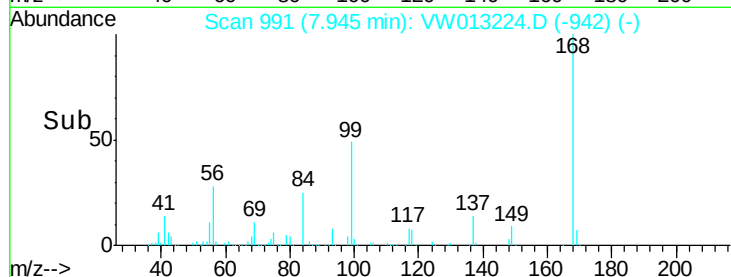
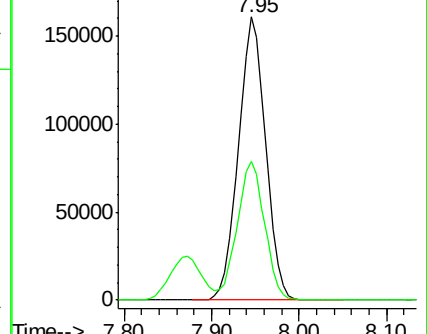
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.070 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013224.D

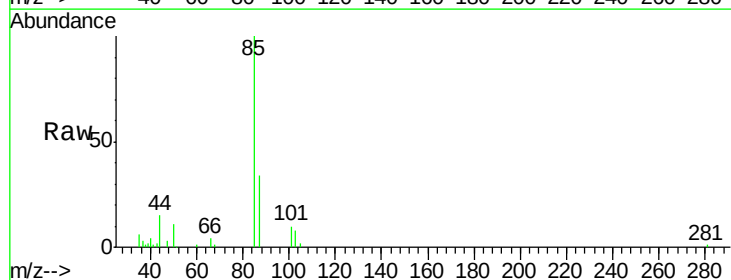
Acq: 23 Sep 2019 12:10

Tgt Ion: 85 Resp: 44147

Ion Ratio Lower Upper

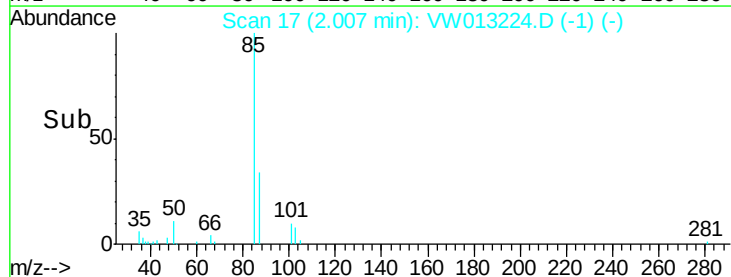
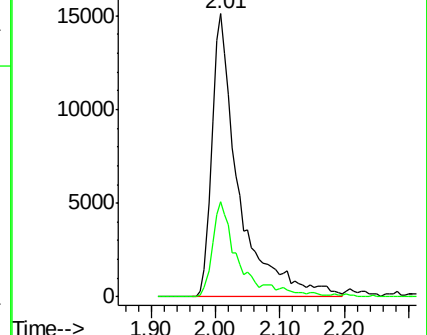
85 100

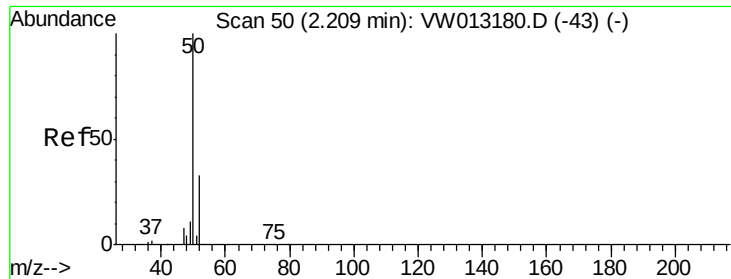
87 33.7 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.466 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

Tot Ion: 50 Resp: 52625

Ion Ratio Lower Upper

50 100

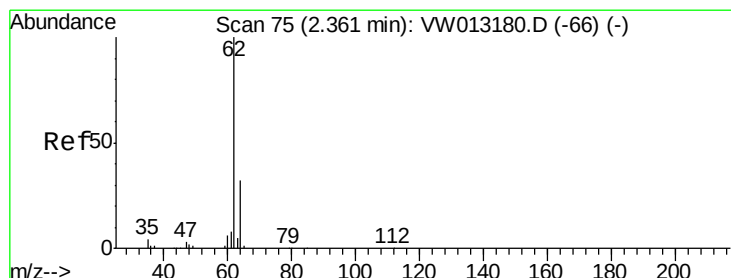
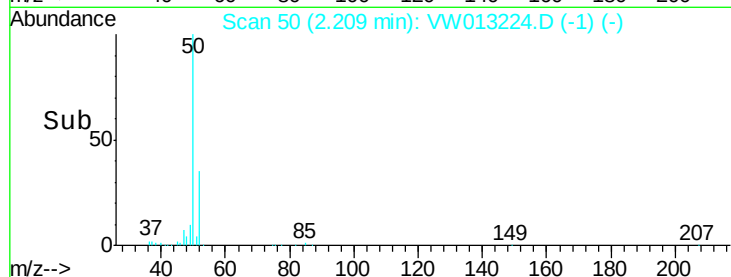
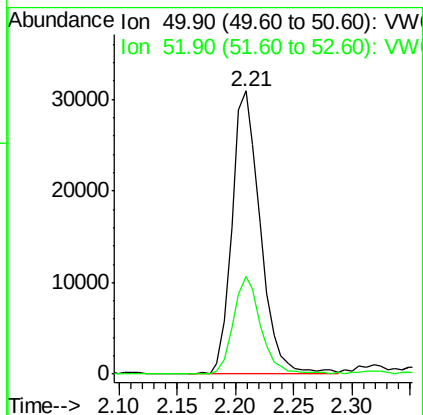
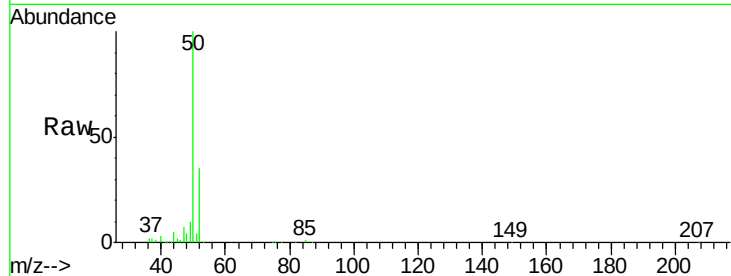
52 34.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.523 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013224.D

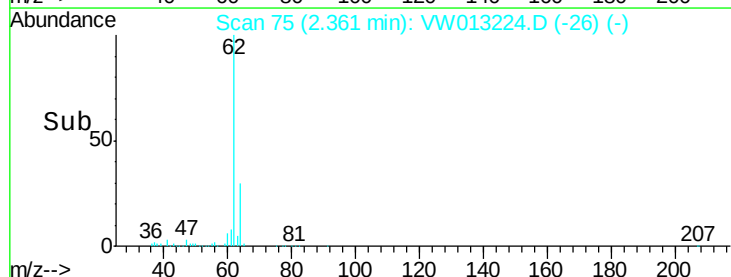
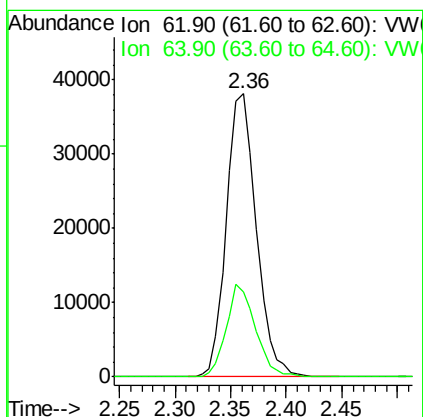
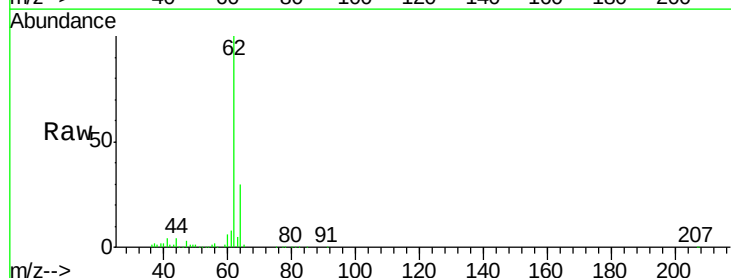
Acq: 23 Sep 2019 12:10

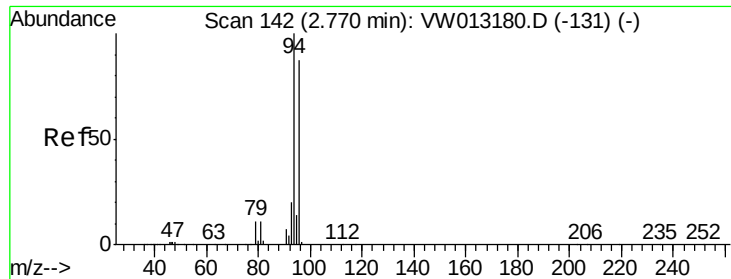
Tgt Ion: 62 Resp: 71349

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 20.700 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

Tot Ion: 94 Resp: 43485

Ion Ratio Lower Upper

94 100

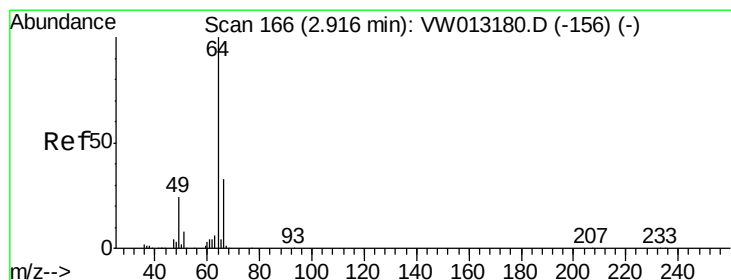
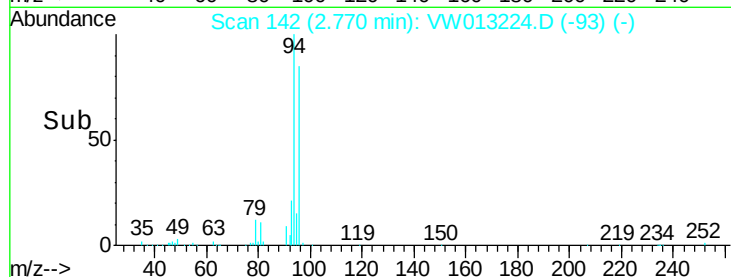
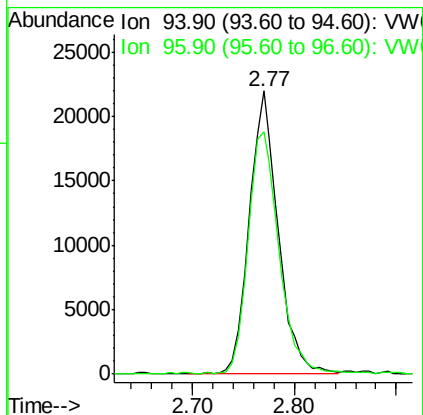
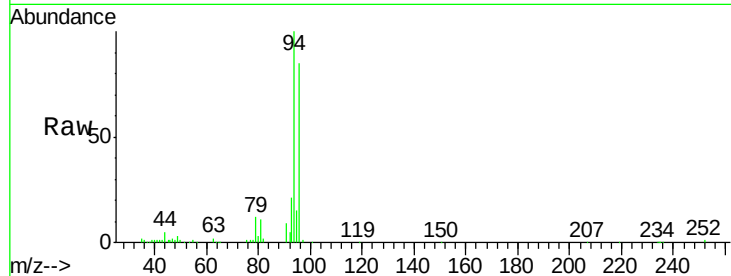
96 85.0 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 19.855 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013224.D

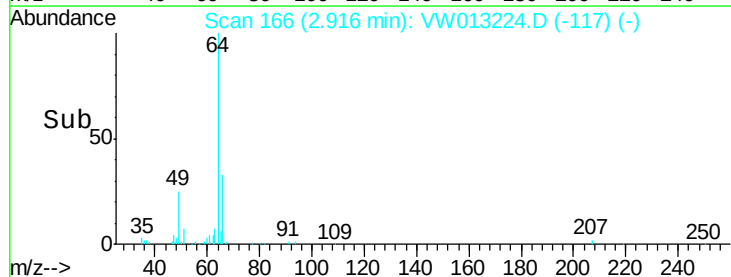
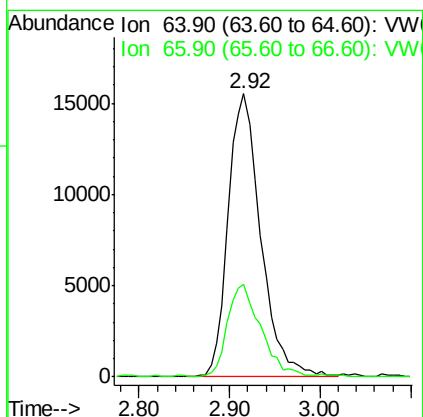
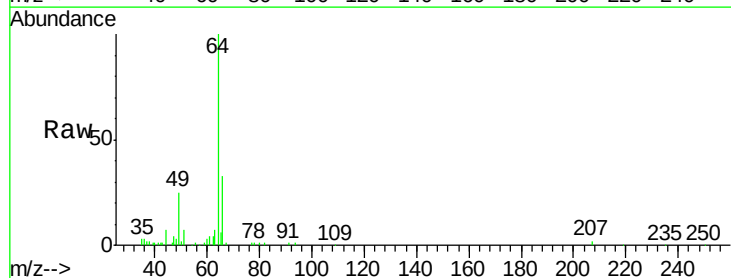
Acq: 23 Sep 2019 12:10

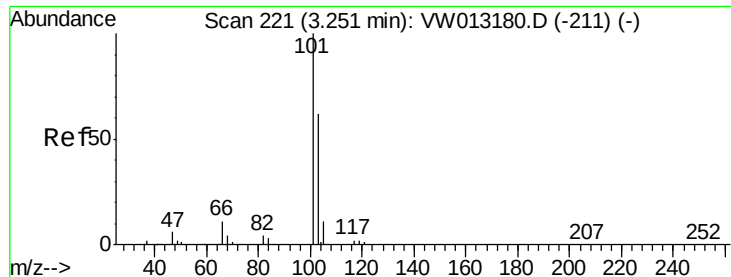
Tgt Ion: 64 Resp: 38796

Ion Ratio Lower Upper

64 100

66 32.7 26.6 39.8





#7

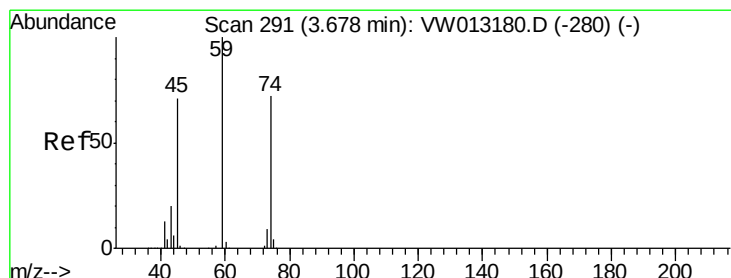
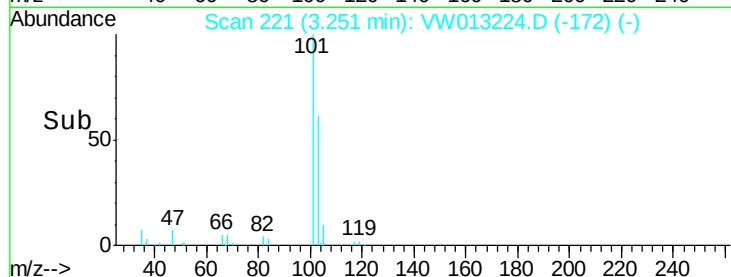
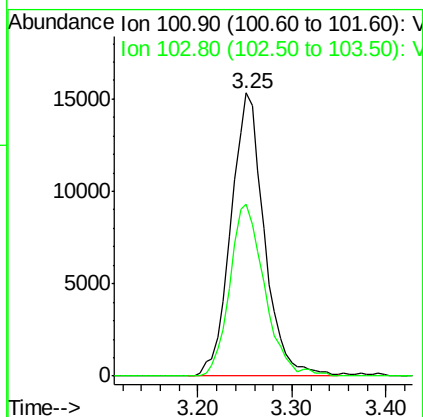
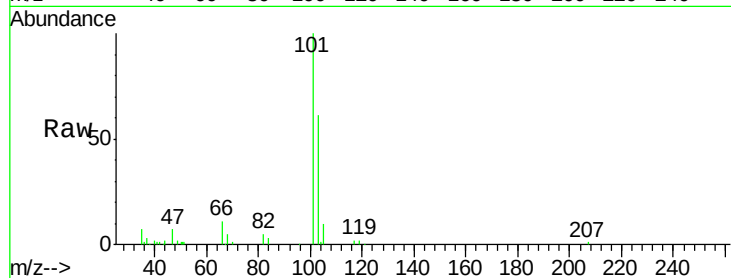
Trichlorofluoromethane
 Concen: 19.741 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Tot Ion:101 Resp: 37734
 Ion Ratio Lower Upper
 101 100
 103 60.8 49.7 74.5

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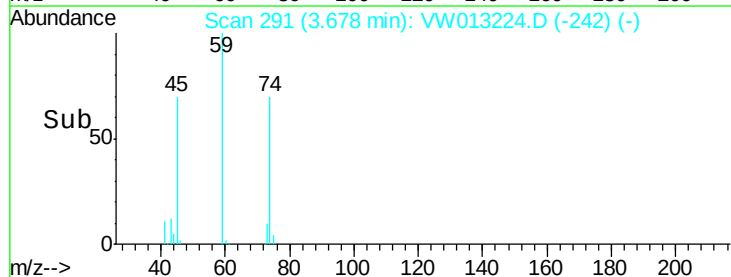
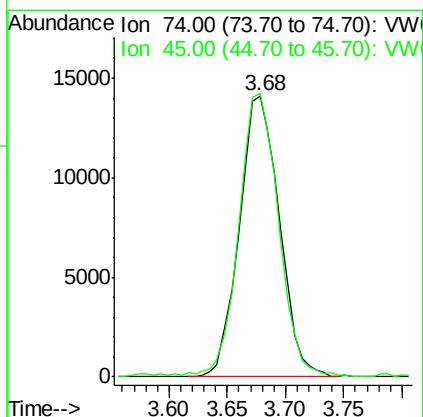
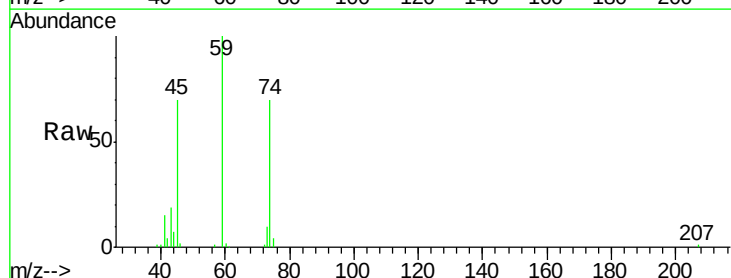
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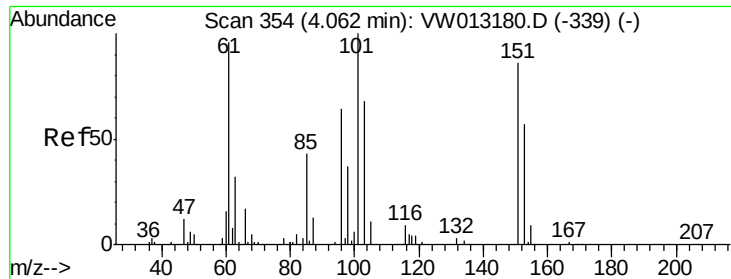


#8

Diethyl Ether
 Concen: 20.715 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion: 74 Resp: 33821
 Ion Ratio Lower Upper
 74 100
 45 100.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.889 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

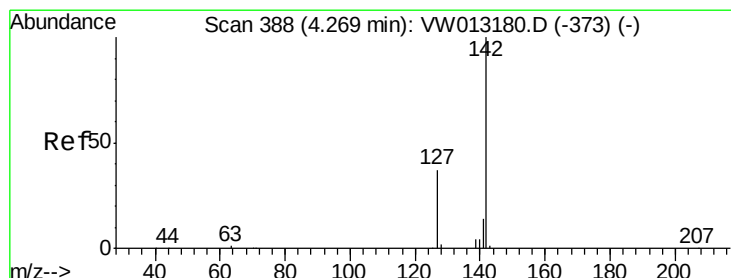
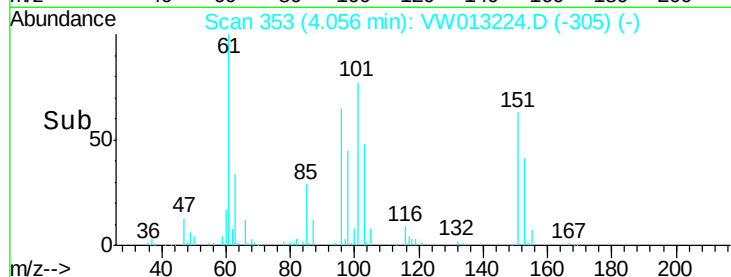
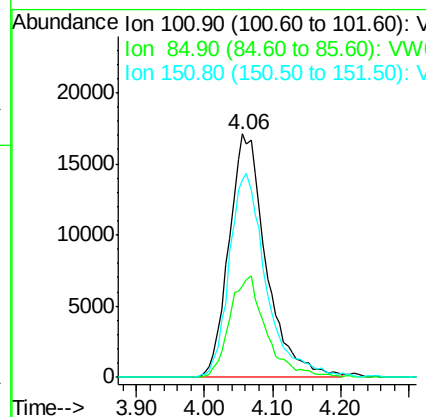
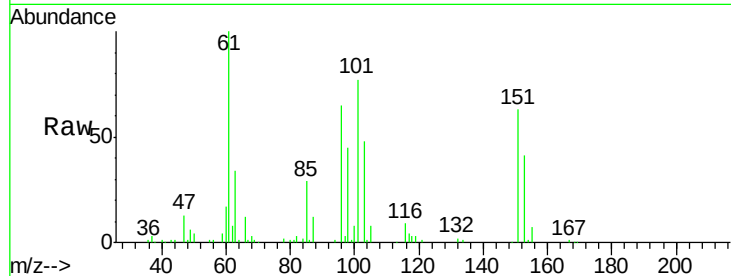
ClientSampleId :

VW0923SBS01

Tot Ion:	101	Resp:	65006
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.4	50.0
151	83.2	66.9	100.3

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#10

Methyl Iodide

Concen: 20.483 ug/l

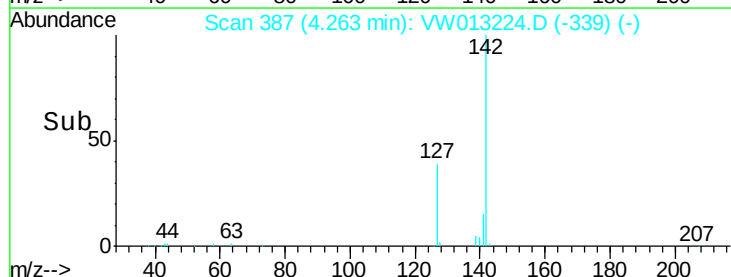
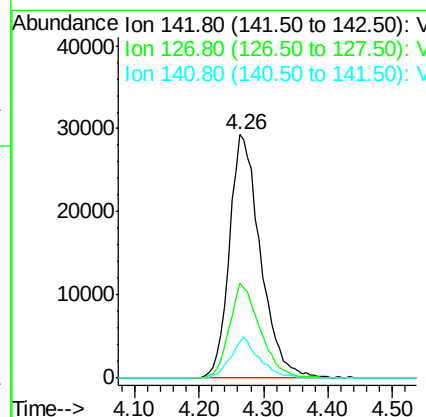
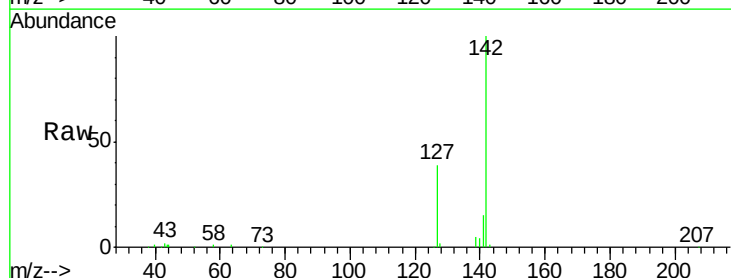
RT: 4.26 min Scan# 387

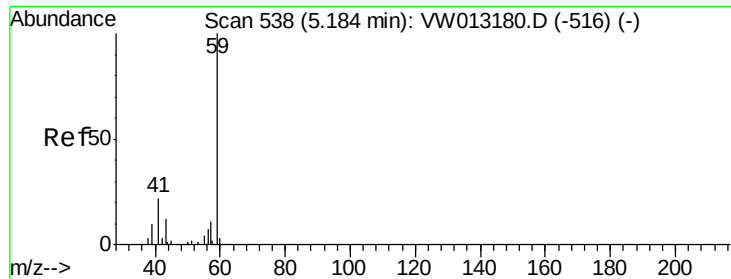
Delta R.T. -0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion:	142	Resp:	98828
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.9	46.3
141	15.2	11.7	17.5





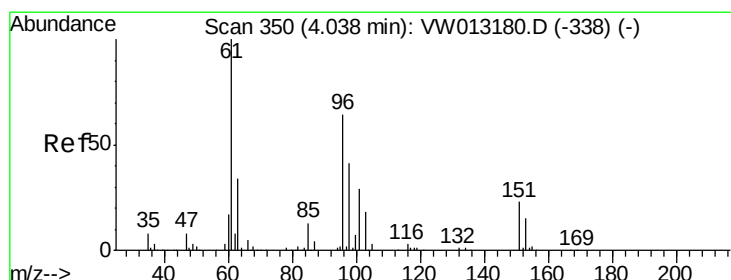
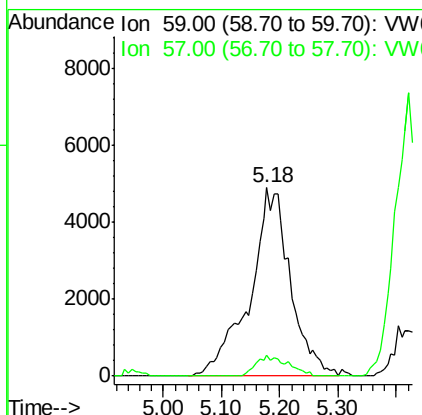
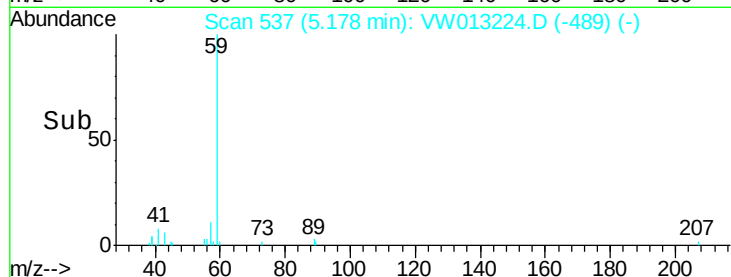
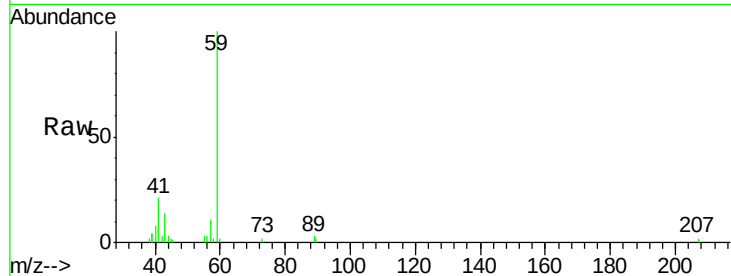
#11
Tert butyl alcohol
Concen: 110.196 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.2	12.2

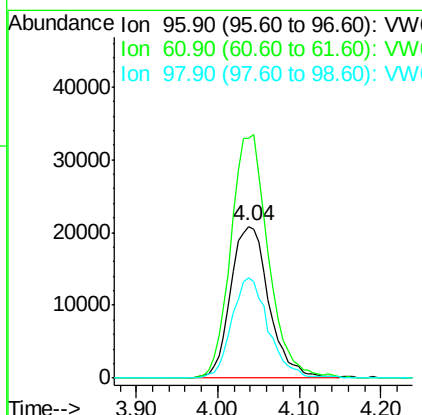
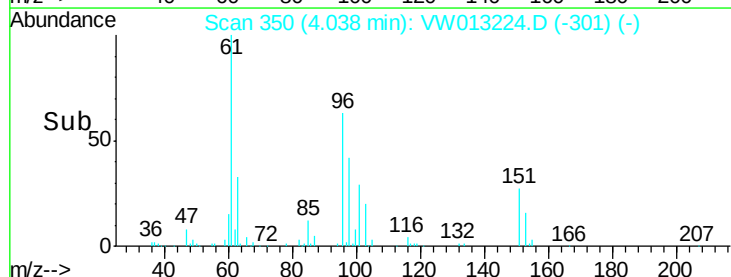
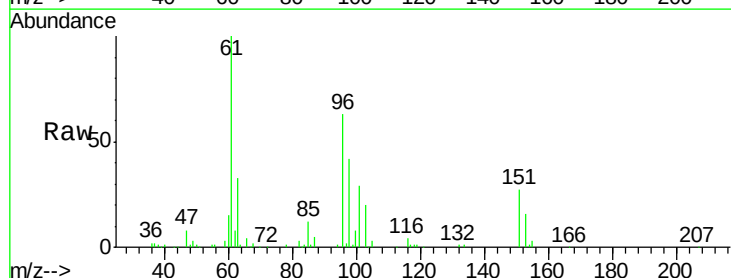
Manual Integrations
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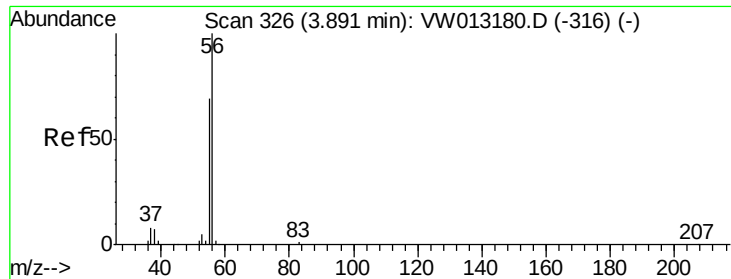
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.085 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	125.1	187.7
98	66.5	50.8	76.2





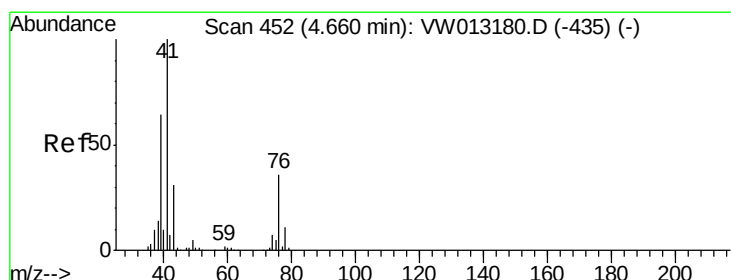
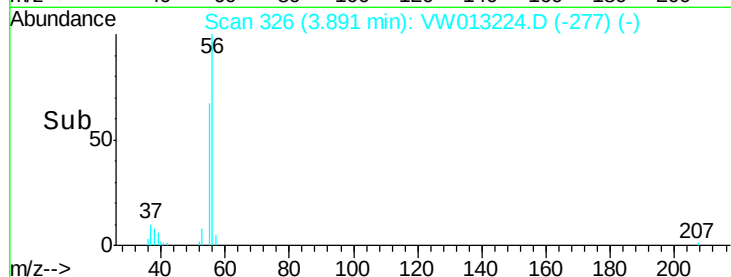
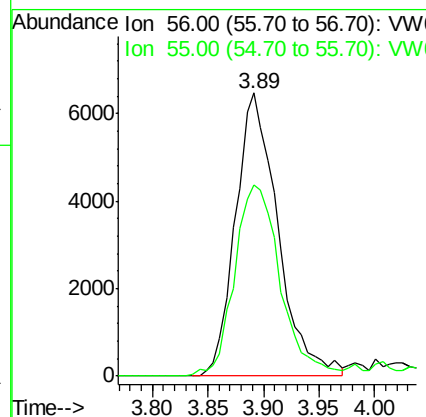
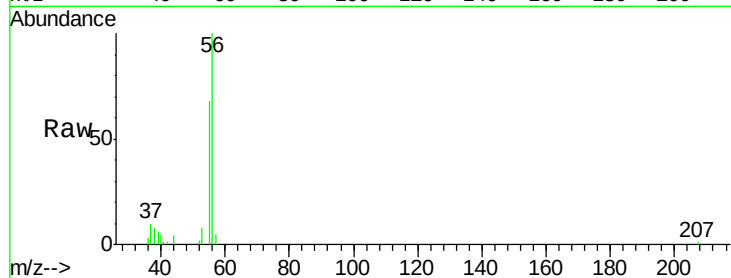
#13
 Acrolein
 Concen: 105.397 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.3	55.4	83.0

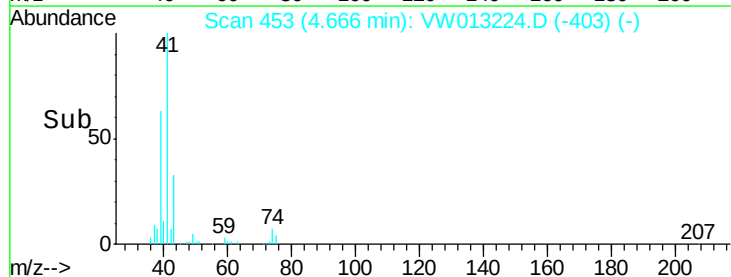
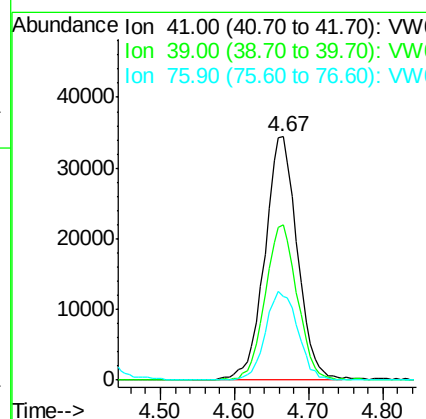
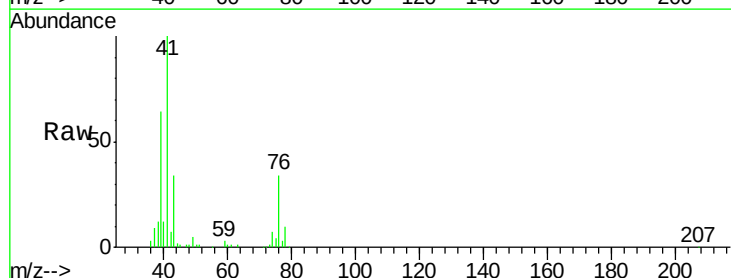
Manual Integrations
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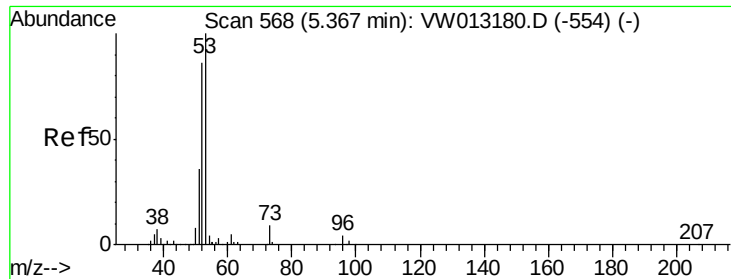
MMDadoda
 9/25/2019 12:35:39 AM



#14
 Allyl chloride
 Concen: 20.531 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.01 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.8	51.0	76.4
76	36.2	28.4	42.6





#15

Acrylonitrile

Concen: 102.806 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

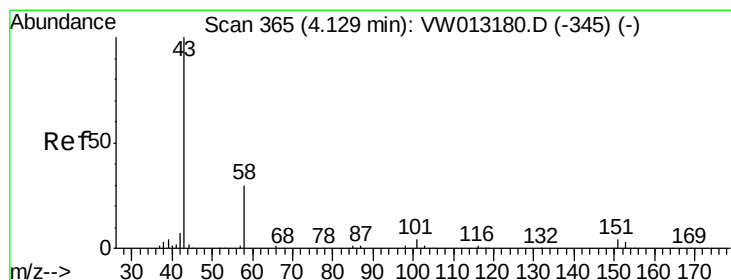
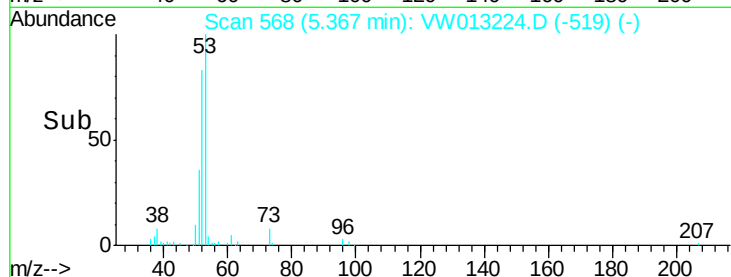
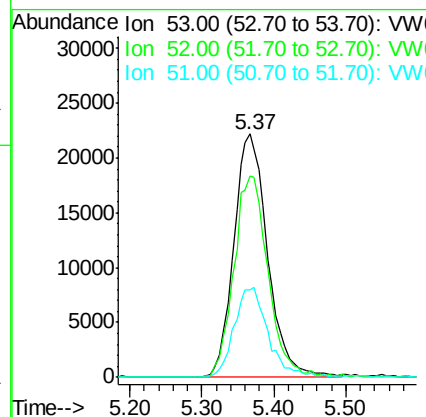
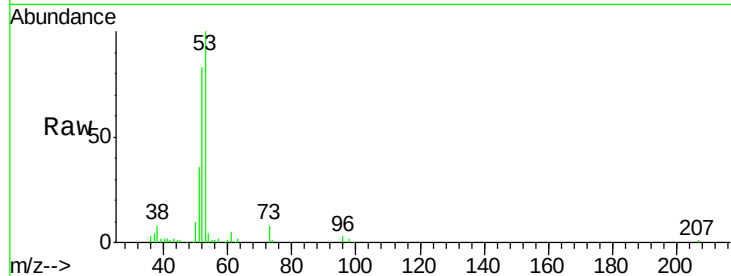
ClientSampleId :

VW0923SBS01

Tot Ion:	53	Resp:	72448
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.3	97.9
51	36.8	29.0	43.4

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#16

Acetone

Concen: 94.523 ug/l

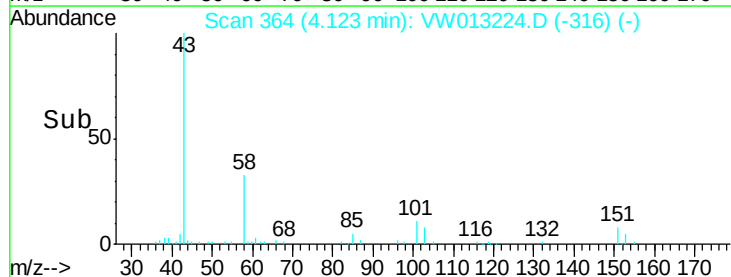
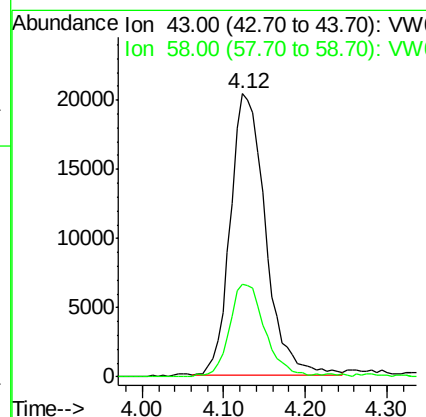
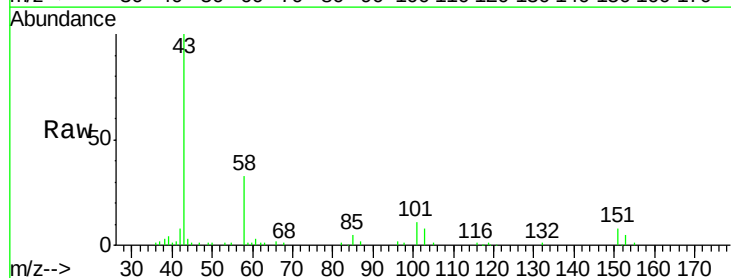
RT: 4.12 min Scan# 364

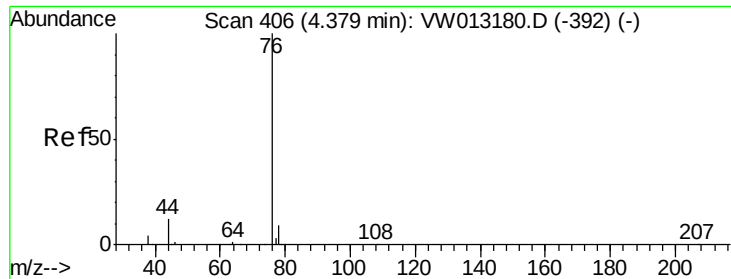
Delta R.T. -0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion:	43	Resp:	60327
Ion Ratio	Lower	Upper	
43	100		
58	33.1	24.1	36.1





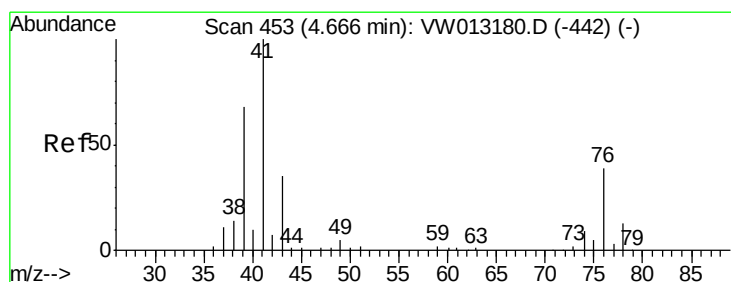
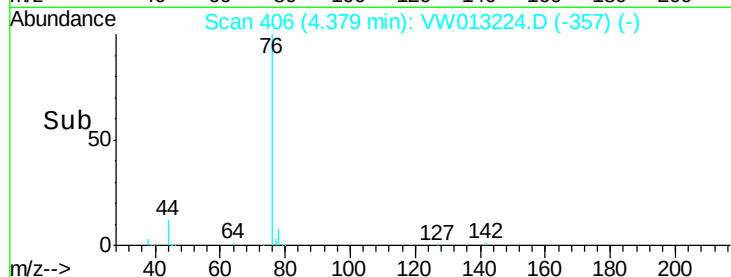
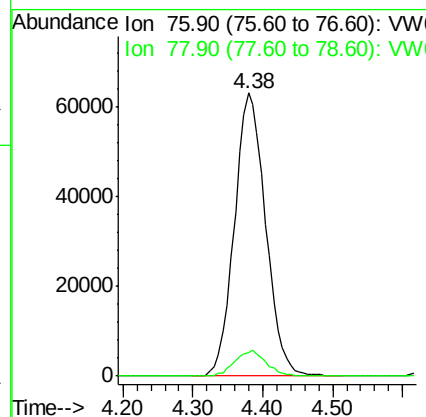
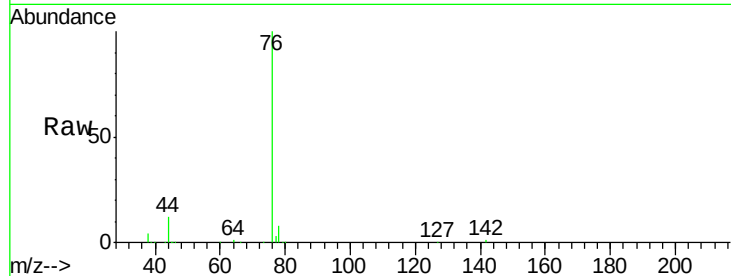
#17
Carbon Disulfide
Concen: 20.961 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.0	10.4

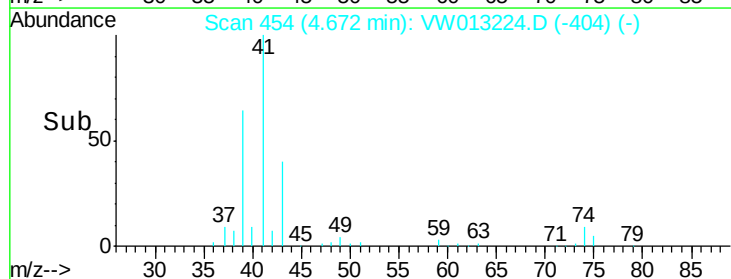
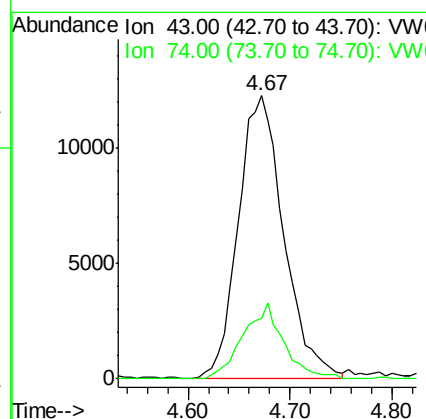
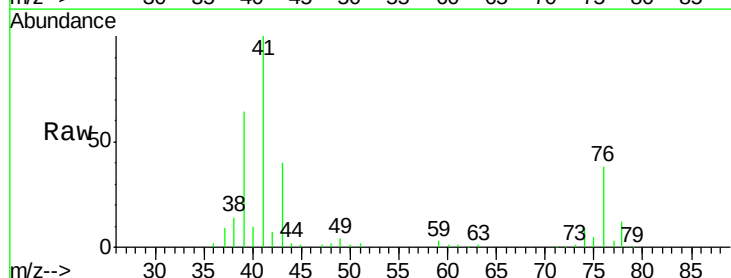
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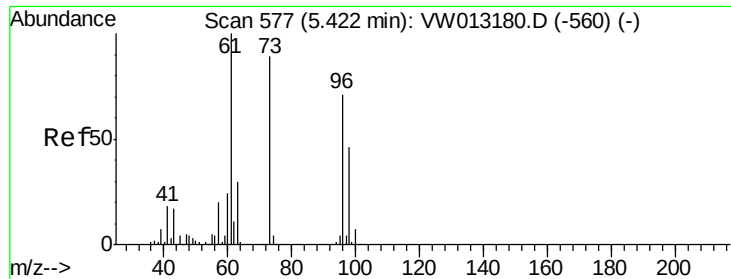
MMDadoda
9/25/2019 12:35:39 AM



#18
Methyl Acetate
Concen: 21.236 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.3	28.9





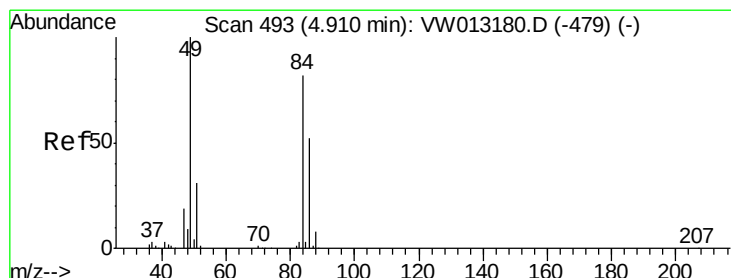
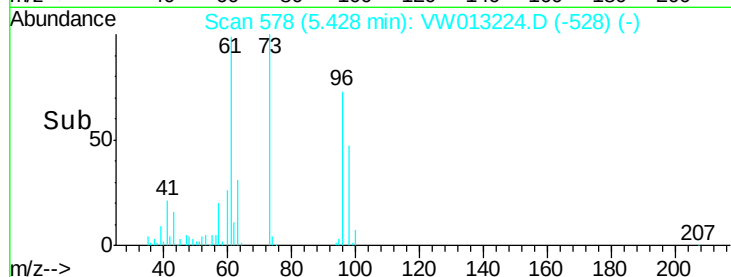
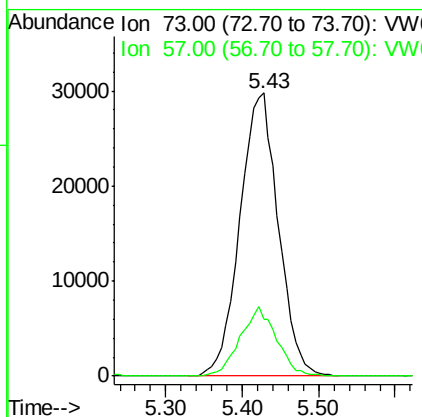
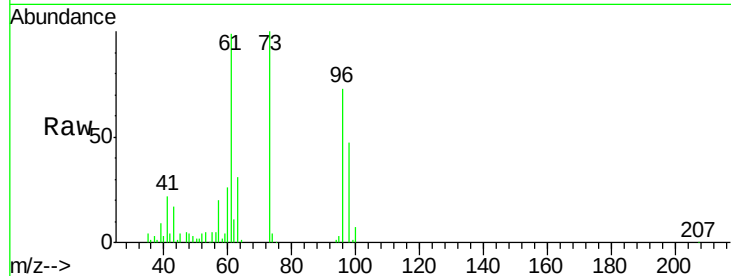
#19
Methyl tert-butyl Ether
Concen: 21.024 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion: 73 Resp: 103837
Ion Ratio Lower Upper
73 100
57 20.3 17.6 26.4

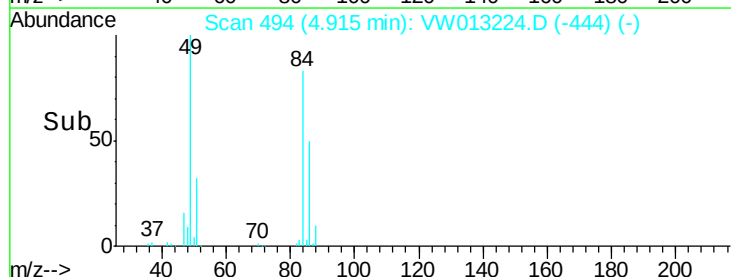
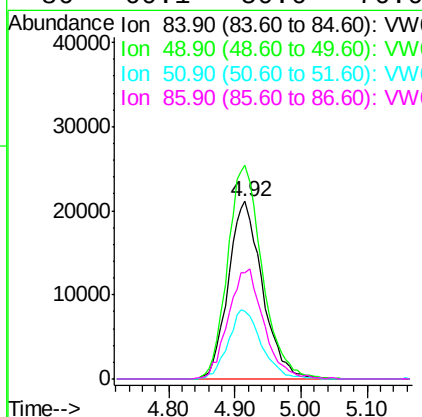
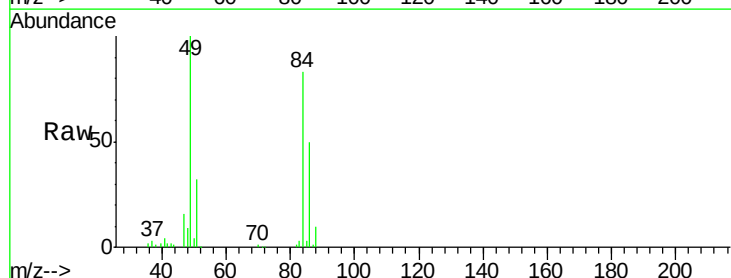
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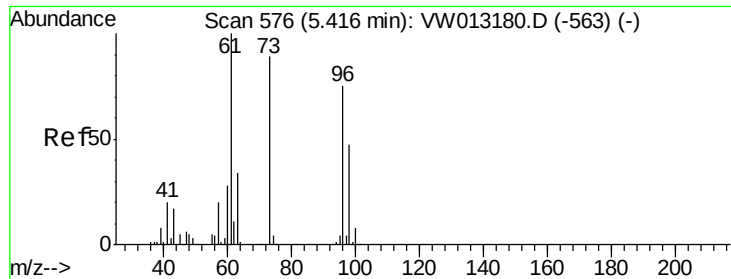
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#20
Methylene Chloride
Concen: 21.478 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 84 Resp: 75514
Ion Ratio Lower Upper
84 100
49 120.3 97.6 146.4
51 38.4 30.2 45.2
86 60.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.932 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 96 Resp: 72905

Ion Ratio Lower Upper

96 100

61 135.8 106.6 159.8

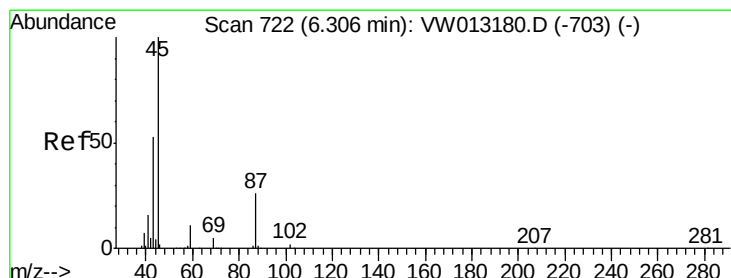
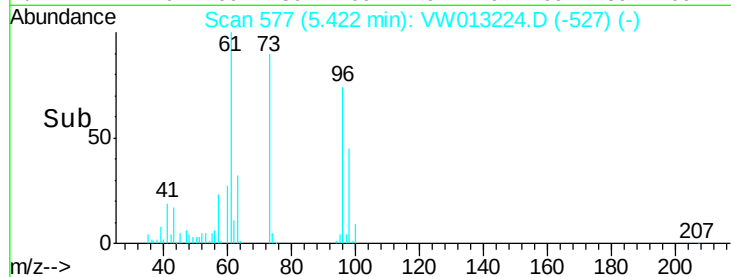
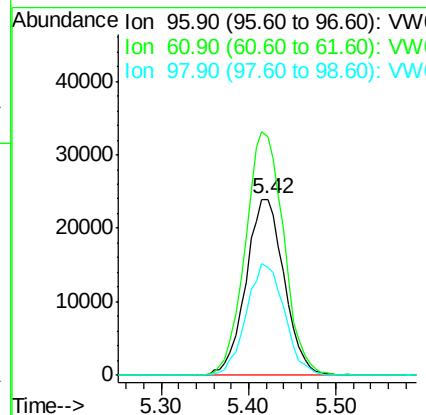
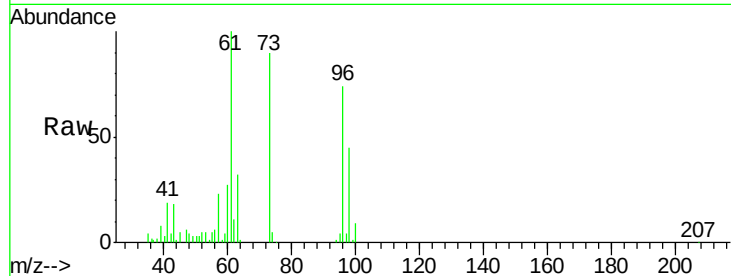
98 61.6 49.8 74.8

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#22

Diisopropyl ether

Concen: 20.905 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion: 45 Resp: 203882

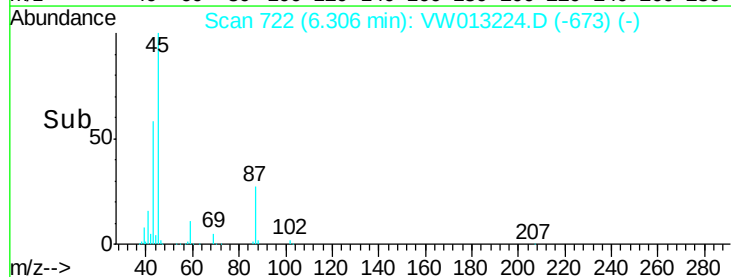
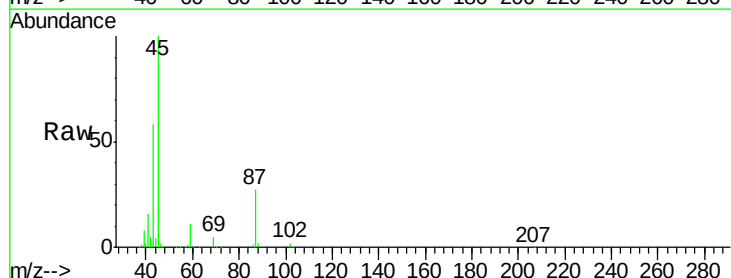
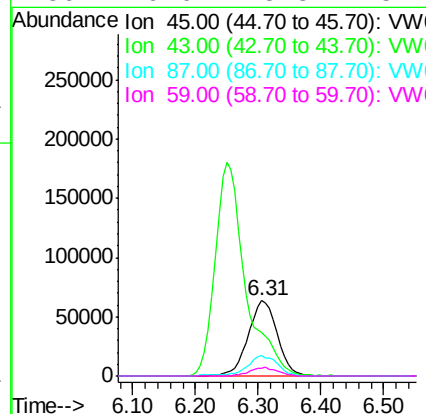
Ion Ratio Lower Upper

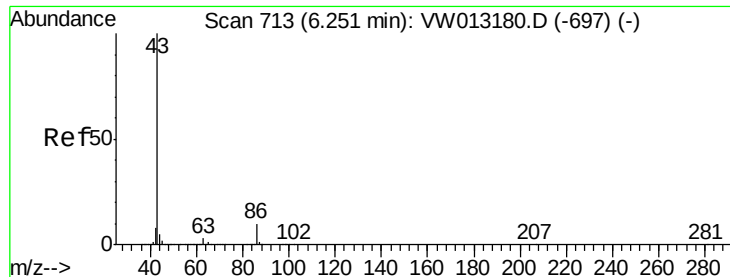
45 100

43 57.2 42.4 63.6

87 27.2 20.4 30.6

59 10.6 8.8 13.2





#23

Vinyl Acetate

Concen: 104.341 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 43 Resp: 603701

Ion Ratio Lower Upper

43 100

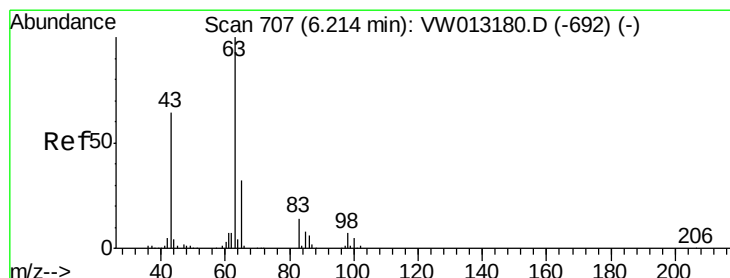
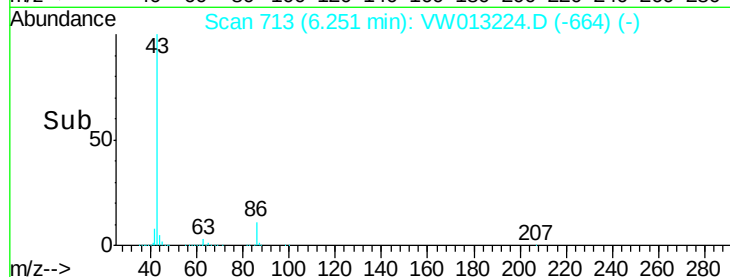
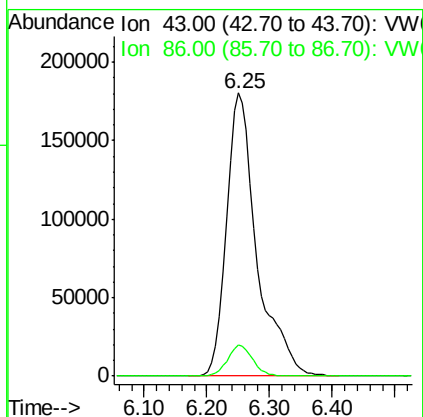
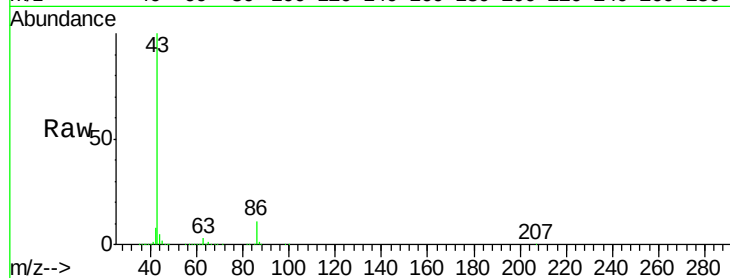
86 10.8 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.087 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

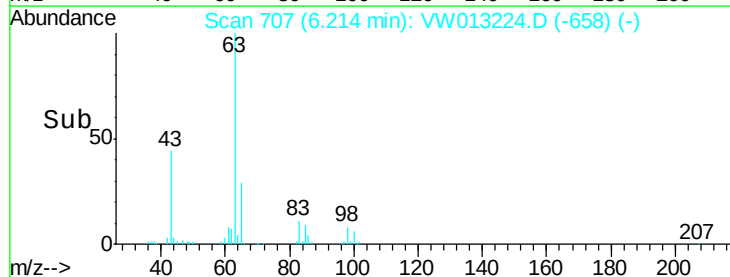
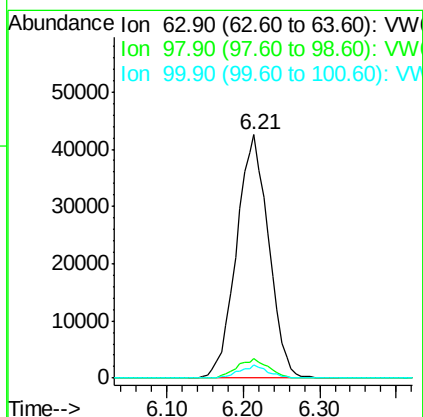
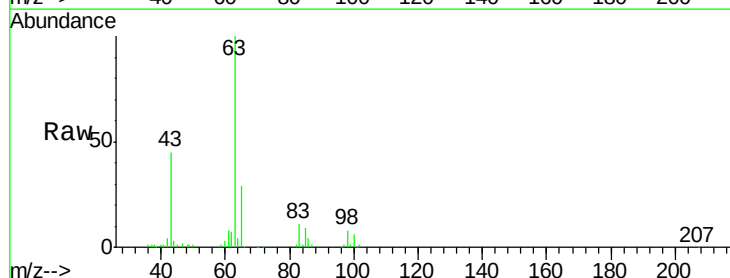
Tgt Ion: 63 Resp: 124097

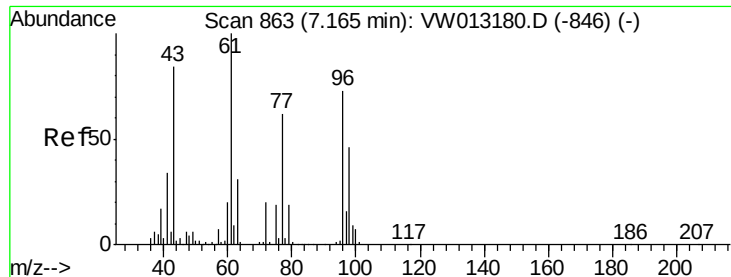
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 5.6 2.4 7.1





#25

2-Butanone

Concen: 98.217 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBSD01

Tot Ion: 43 Resp: 94100

Ion Ratio Lower Upper

43 100

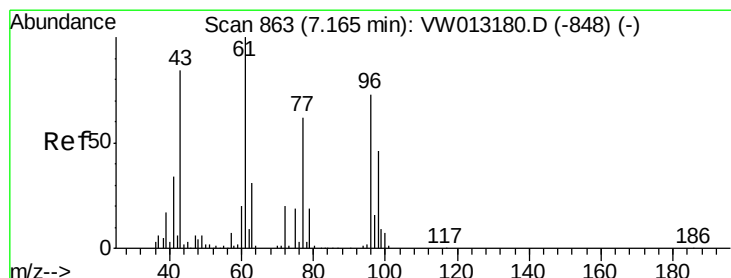
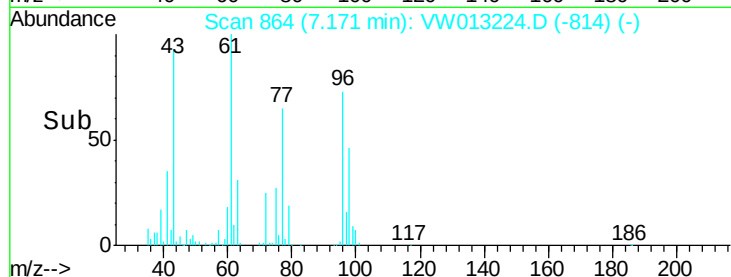
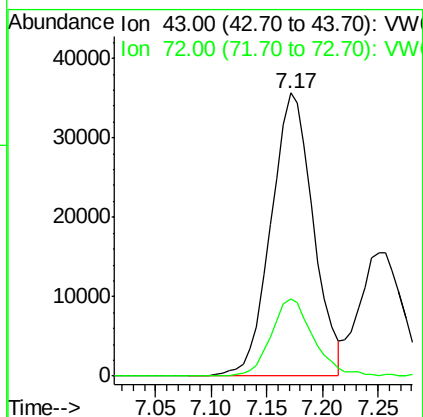
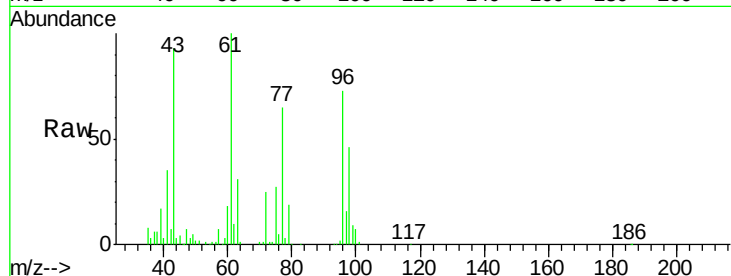
72 27.2 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.195 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013224.D

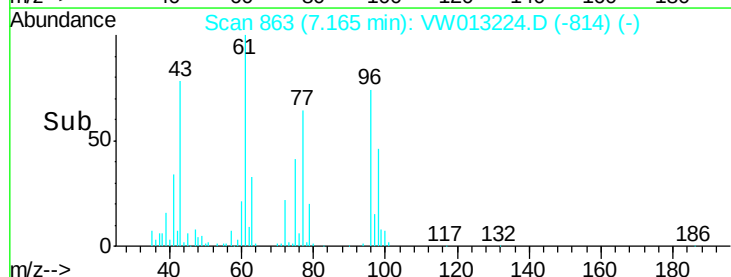
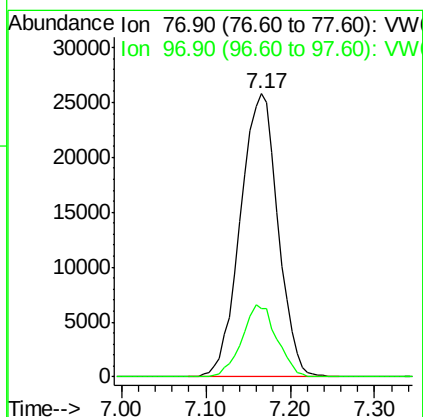
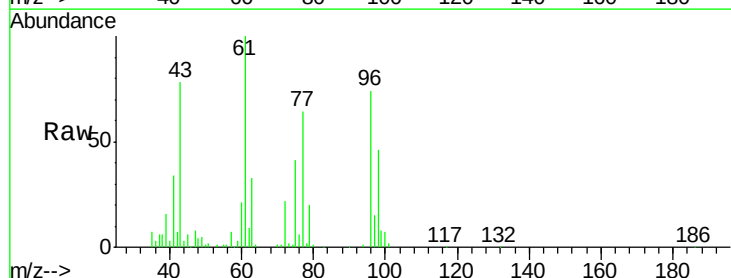
Acq: 23 Sep 2019 12:10

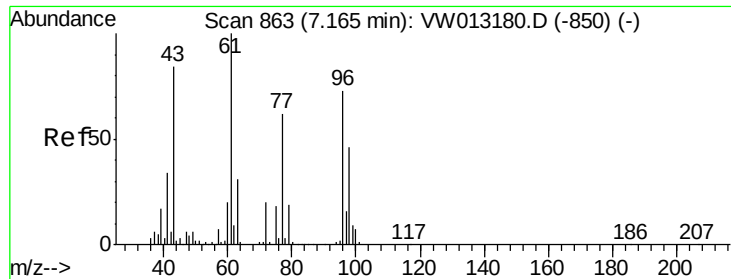
Tgt Ion: 77 Resp: 78106

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.4





#27

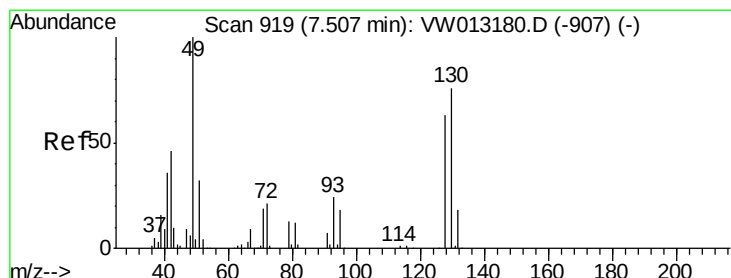
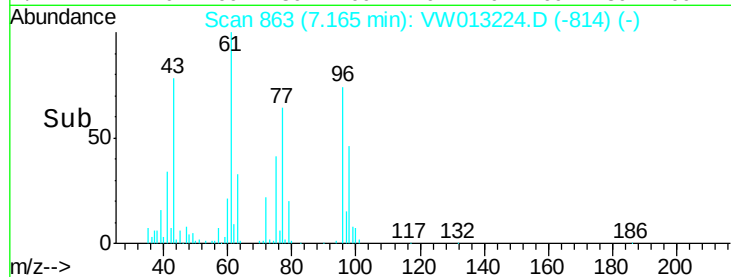
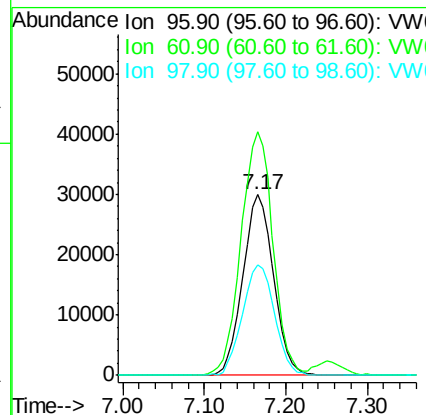
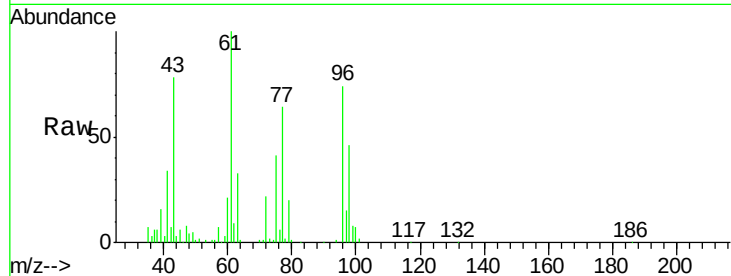
cis-1,2-Dichloroethene
Concen: 21.316 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	282.4
98	64.1	0.0	128.2

Manual Integrations
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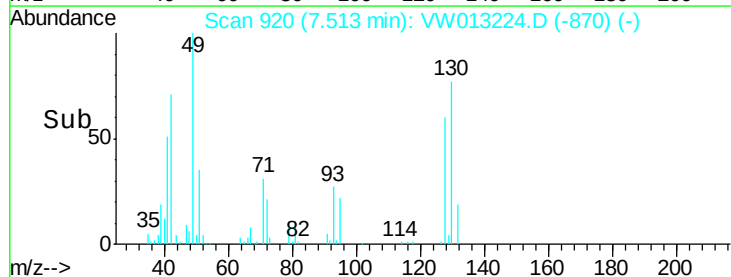
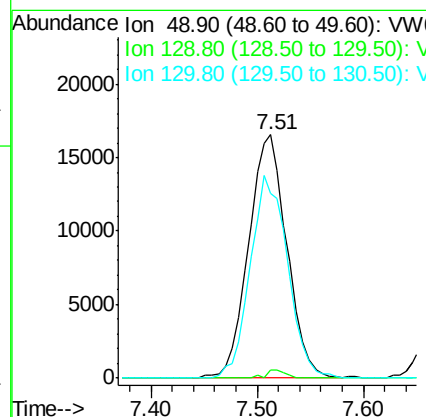
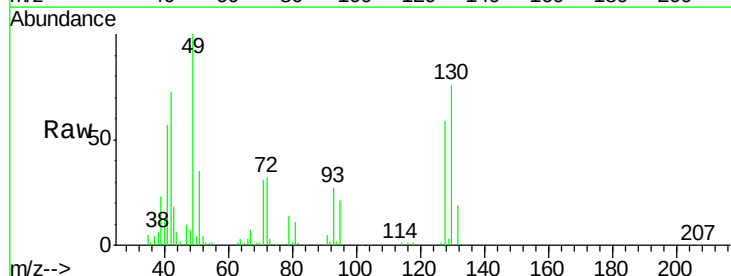
MMDadoda
9/25/2019 12:35:39 AM

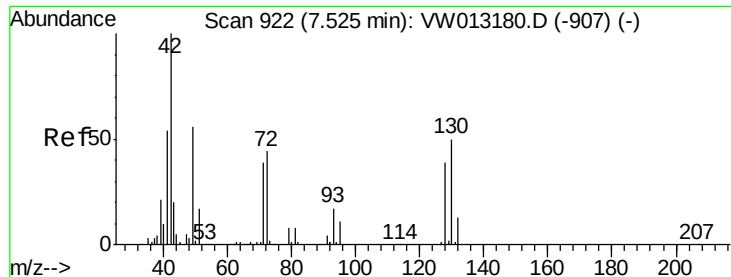


#28

Bromochloromethane
Concen: 18.470 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.0#
130	81.3	63.4	95.2





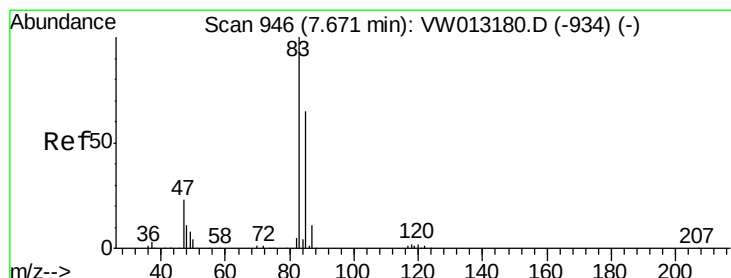
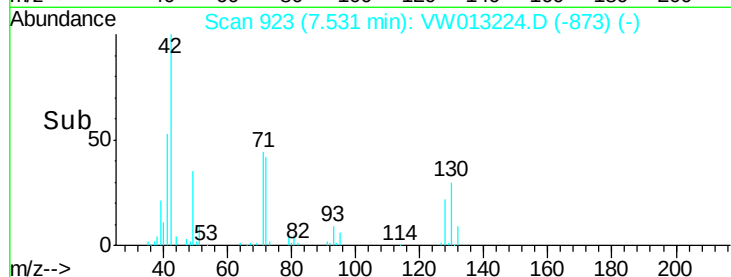
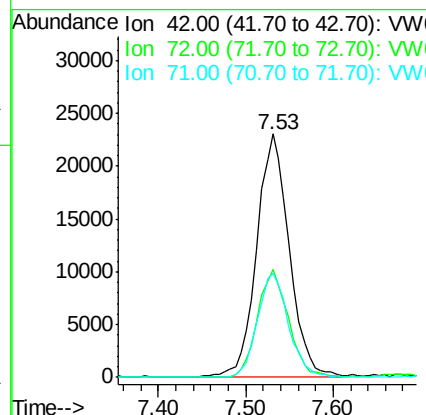
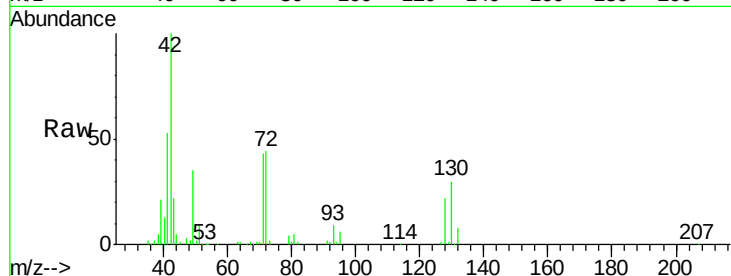
#29
Tetrahydrofuran
Concen: 101.716 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion:	42	Resp:	59764
Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.9	50.9
71	41.0	31.9	47.9

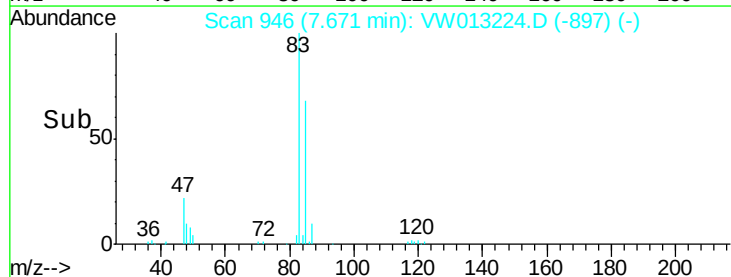
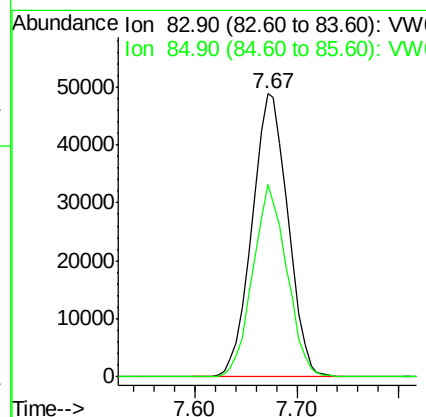
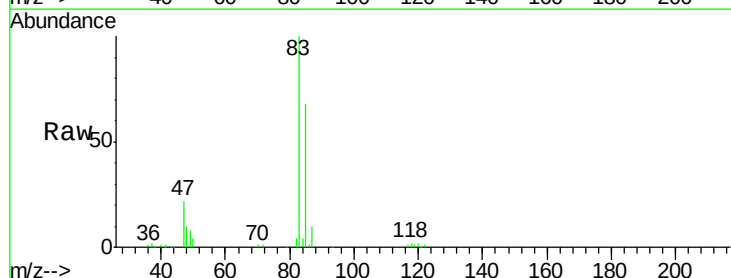
Manual Integrations
APPROVED

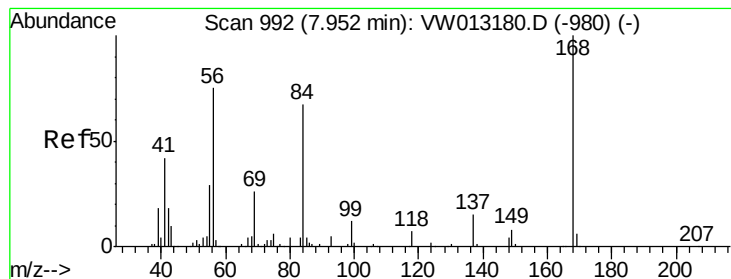
MMDadoda
9/25/2019 12:35:39 AM



#30
Chloroform
Concen: 20.745 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion:	83	Resp:	119529
Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.3	78.5





#31

Cyclohexane

Concen: 20.922 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

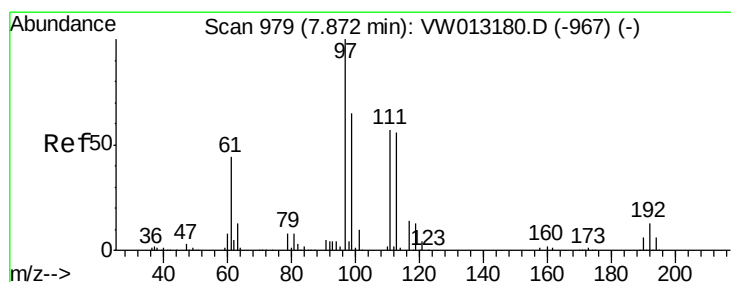
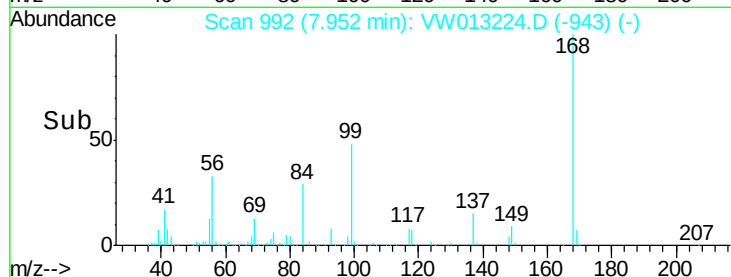
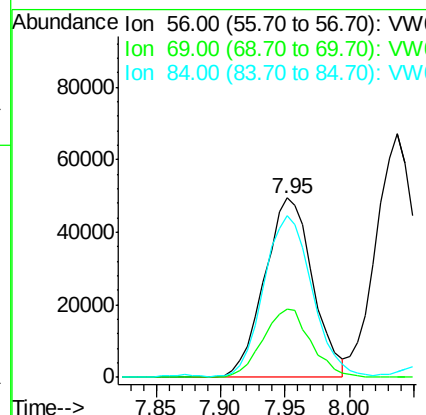
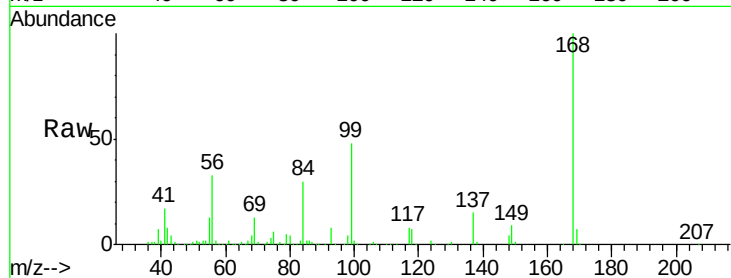
ClientSampleId :

VW0923SBS01

Tot Ion:	56	Resp:	128348
Ion Ratio	Lower	Upper	
56	100		
69	38.4	27.2	40.8
84	88.8	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.763 ug/l

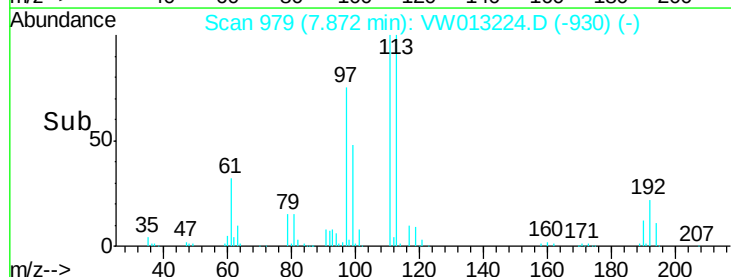
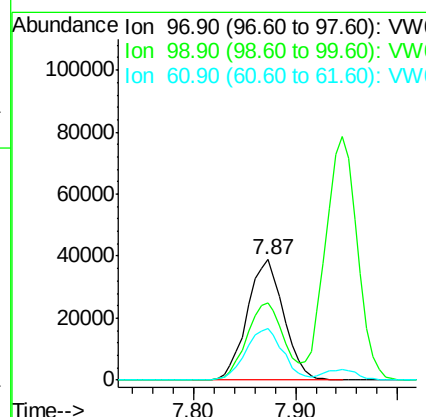
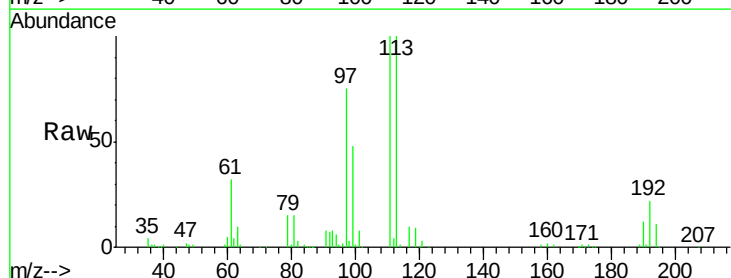
RT: 7.87 min Scan# 979

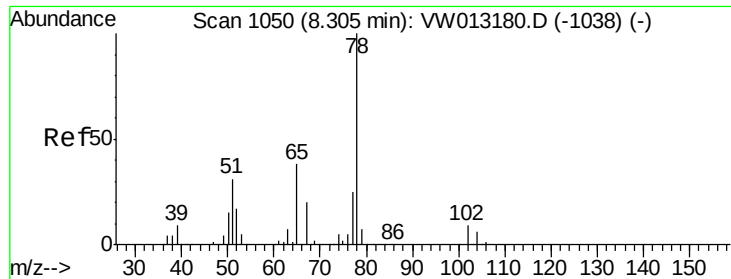
Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion:	97	Resp:	96892
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.7	77.5
61	43.7	34.6	51.8





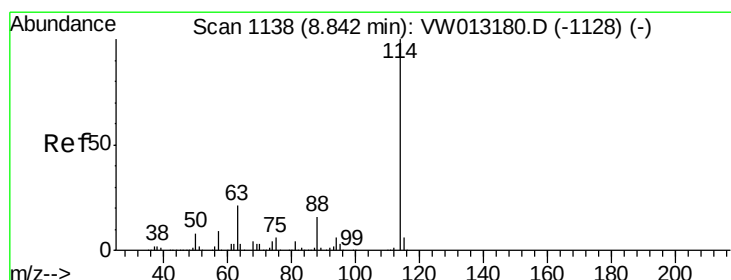
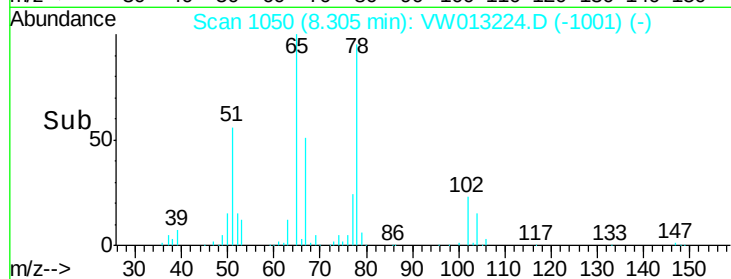
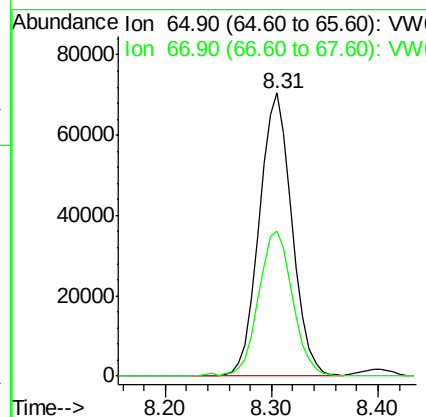
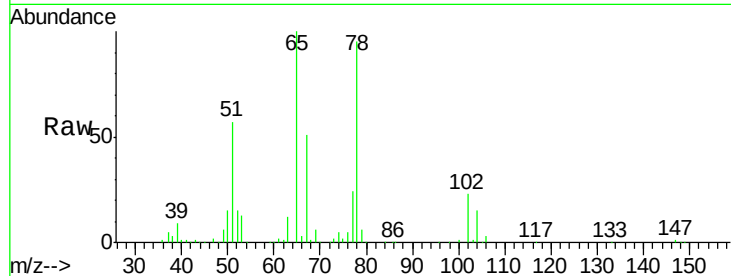
#33
 1,2-Dichloroethane-d4
 Concen: 53.549 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	106.2	

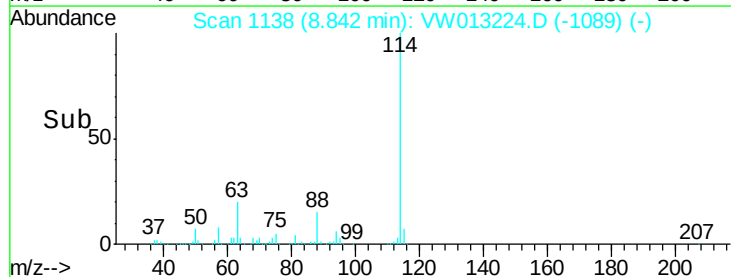
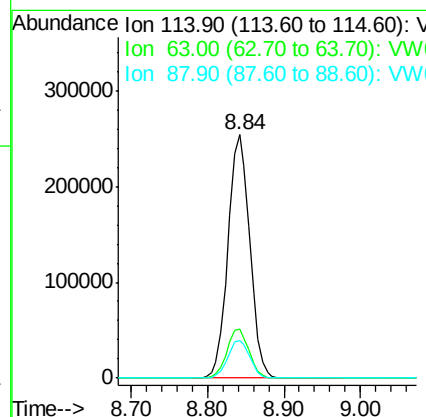
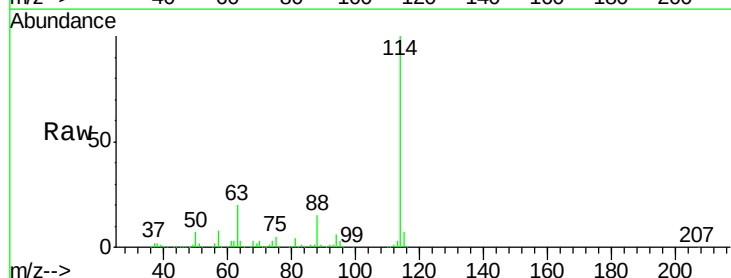
Manual Integrations
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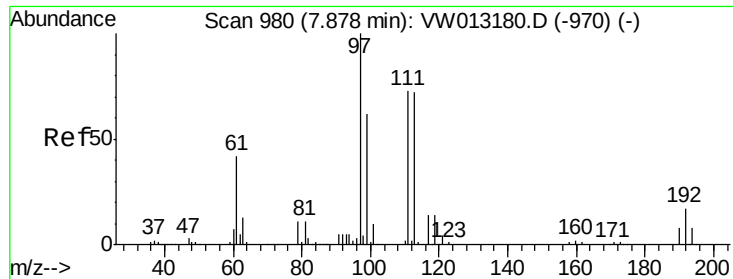
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	41.4	
88	15.4	0.0	32.0	





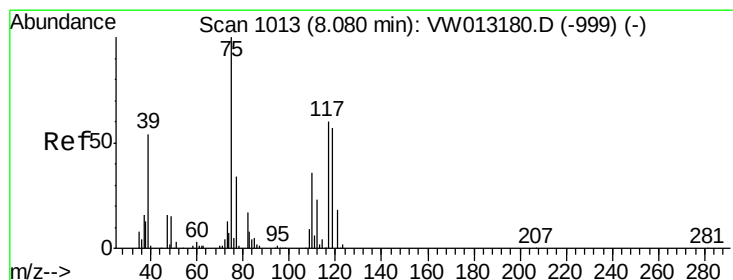
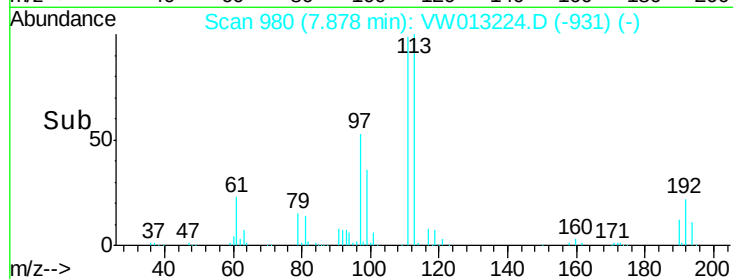
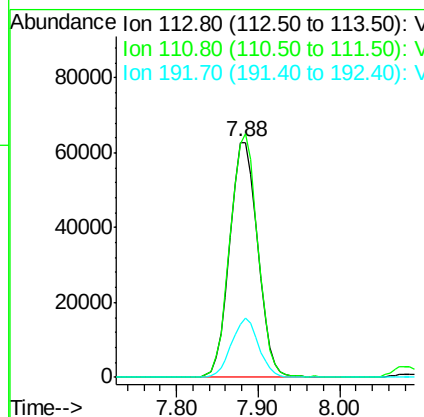
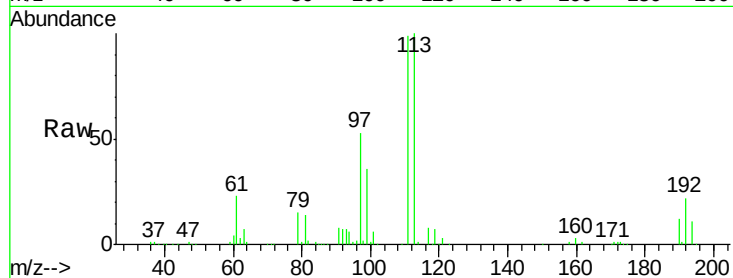
#35
 Dibromofluoromethane
 Concen: 54.457 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149484		
111	102.0	81.9	122.9	
192	24.0	19.1	28.7	

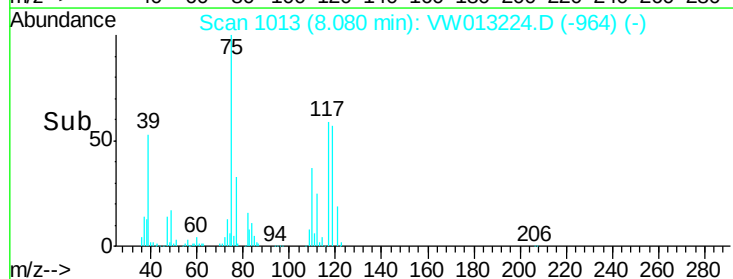
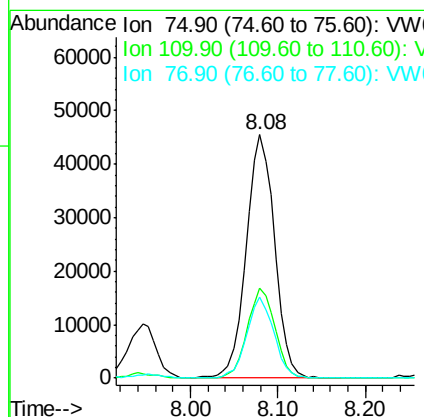
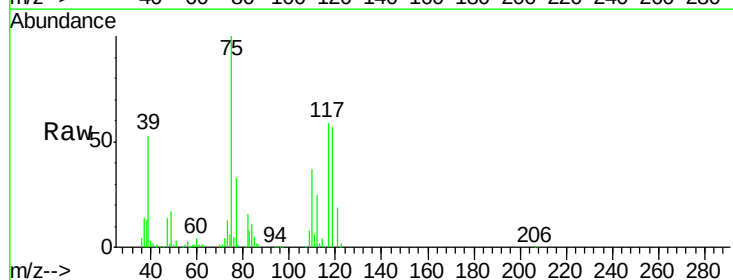
Manual Integrations
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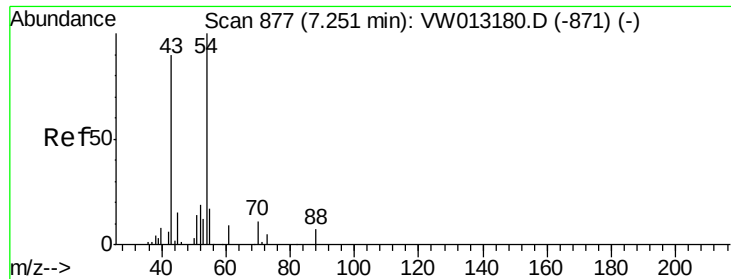
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 21.122 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102105		
110	35.9	18.1	54.3	
77	32.0	25.8	38.6	





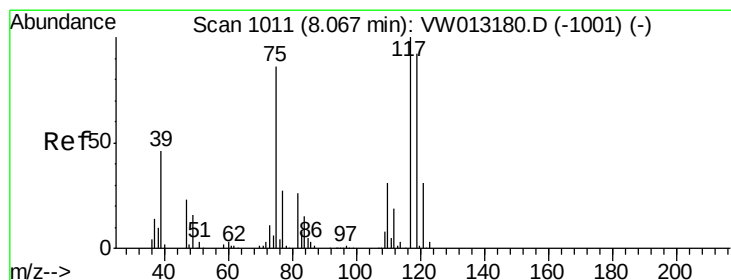
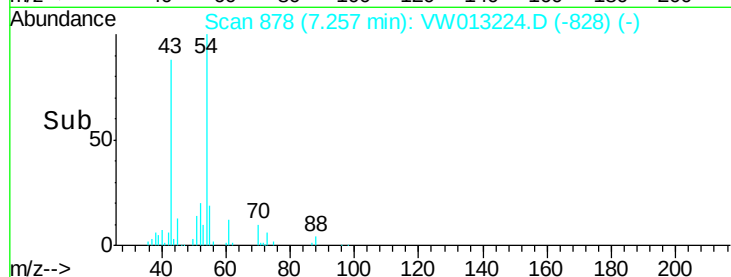
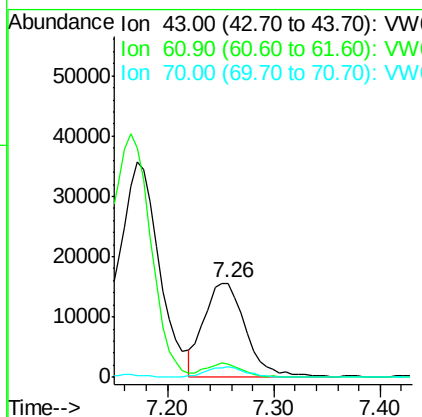
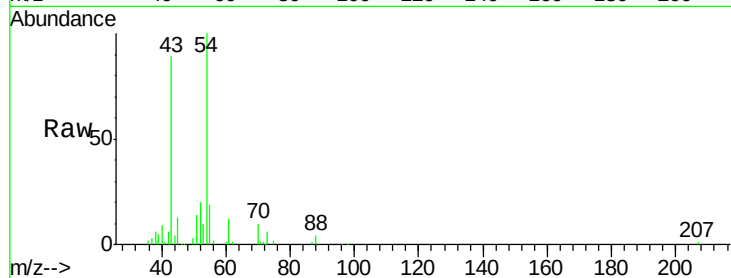
#37
Ethyl Acetate
Concen: 20.392 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleID :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	10.5	8.2	12.2

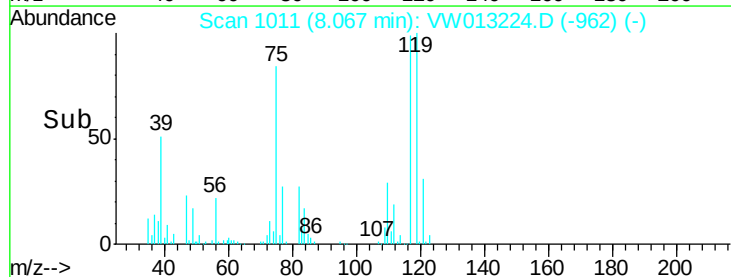
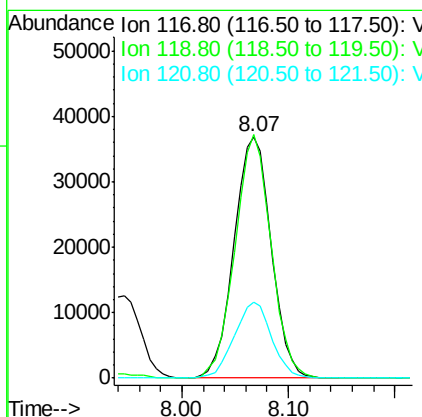
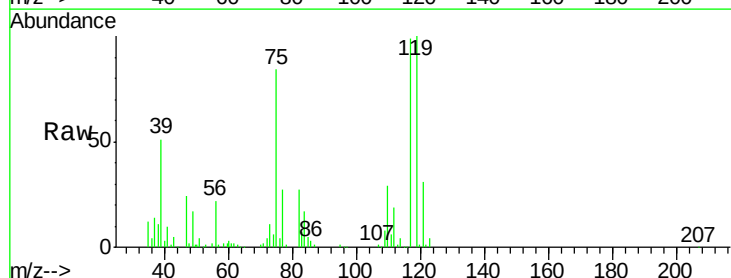
Manual Integrations
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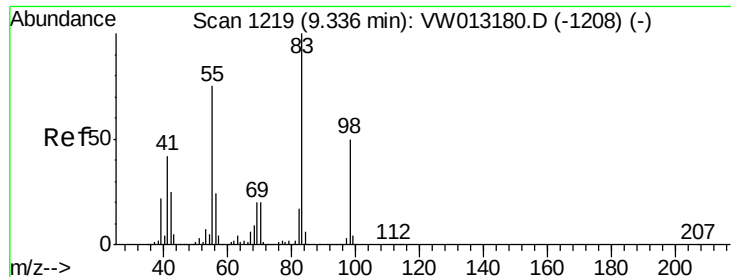
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.889 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	73.5	110.3
121	31.4	25.0	37.6





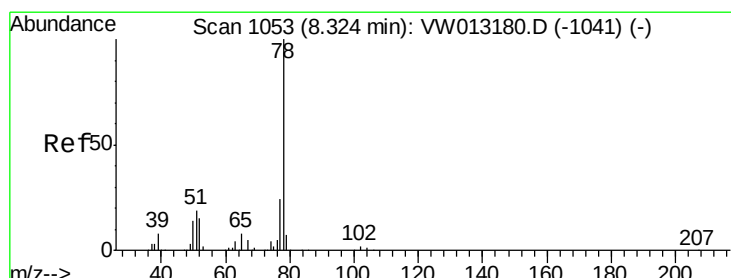
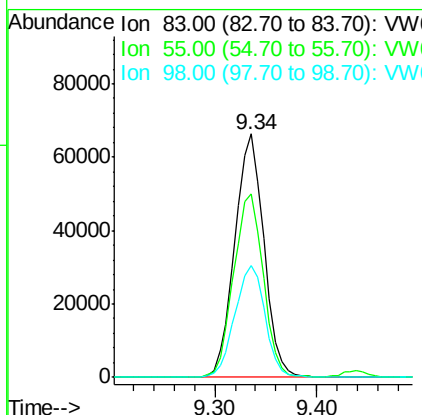
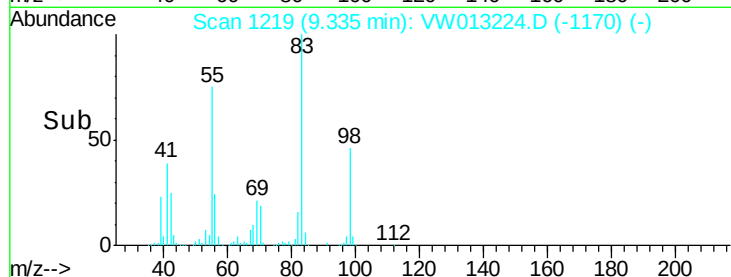
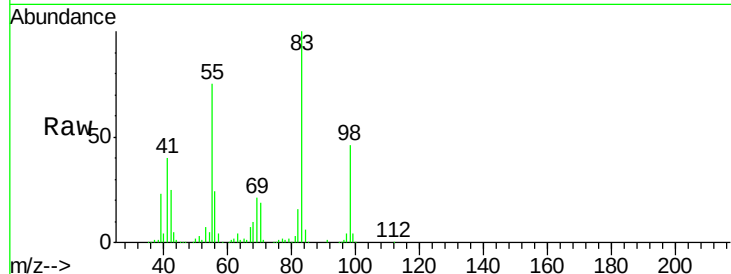
#39
Methylvlcyclohexane
Concen: 21.091 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	131020		
55	75.2		60.4	90.6
98	45.8		40.0	60.0

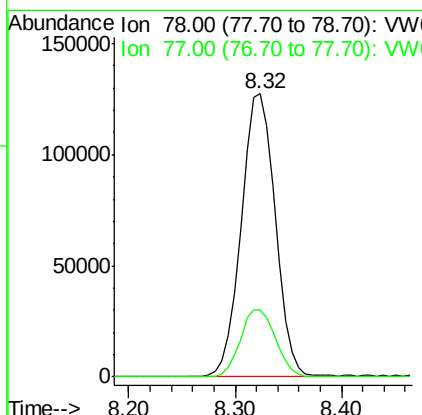
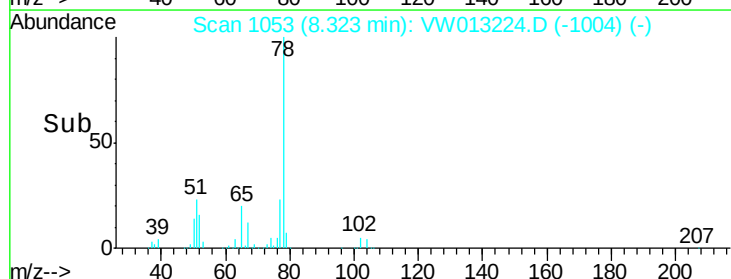
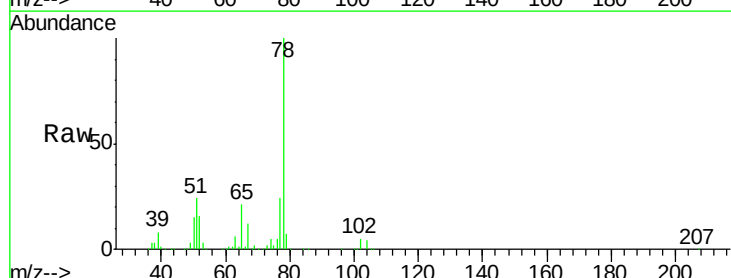
Manual Integrations
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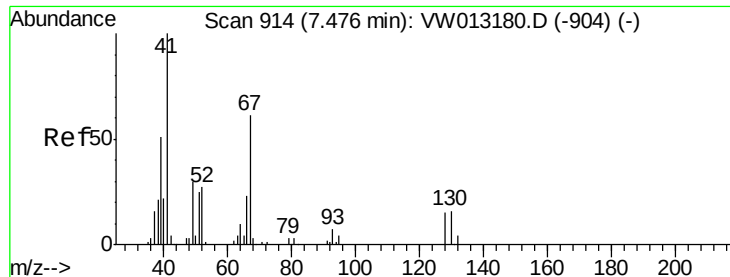
MMDadoda
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#40
Benzene
Concen: 21.304 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	287254		
77	23.6		19.1	28.7





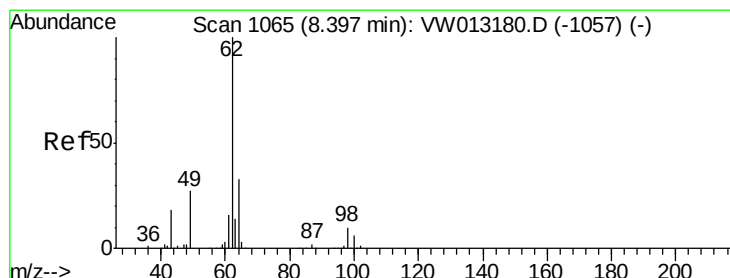
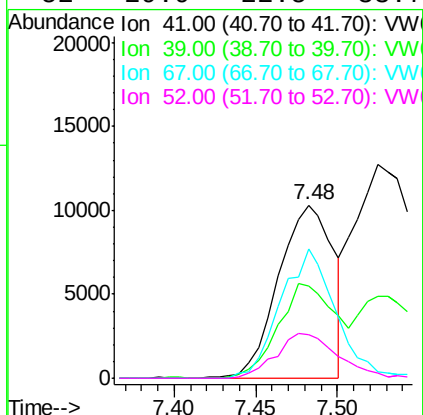
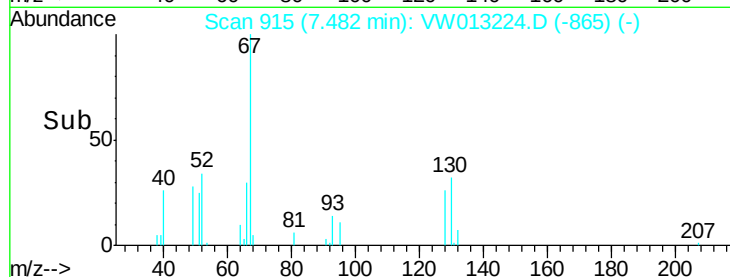
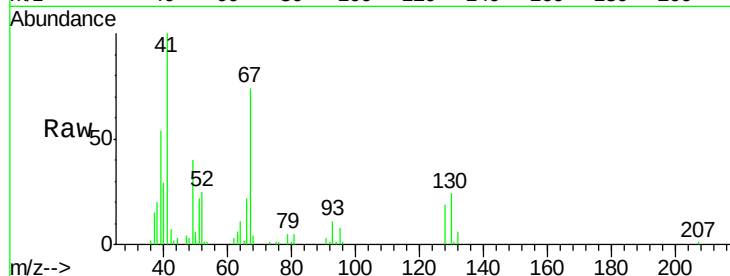
#41
Methacrylonitrile
Concen: 19.607 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.9	45.9	68.9
67	75.6	54.5	81.7
52	29.9	22.5	33.7

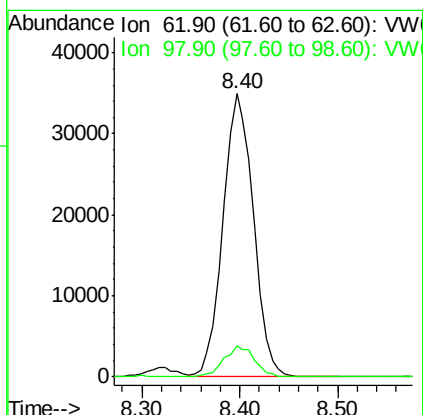
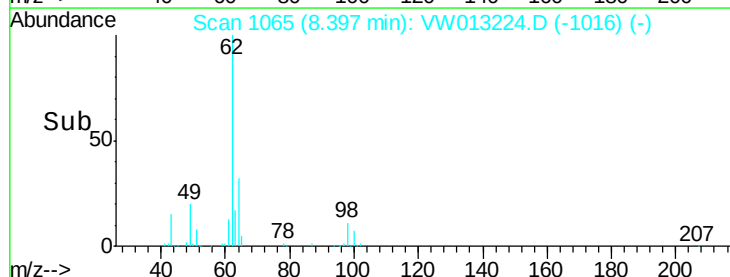
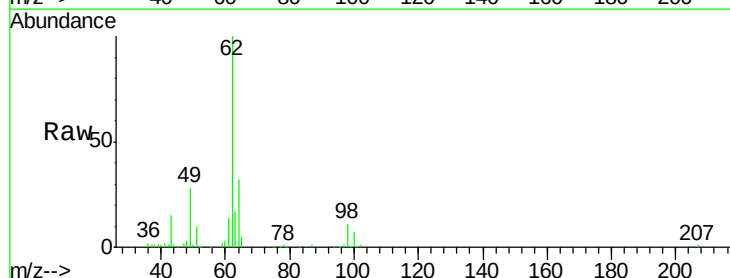
Manual Integrations
APPROVED

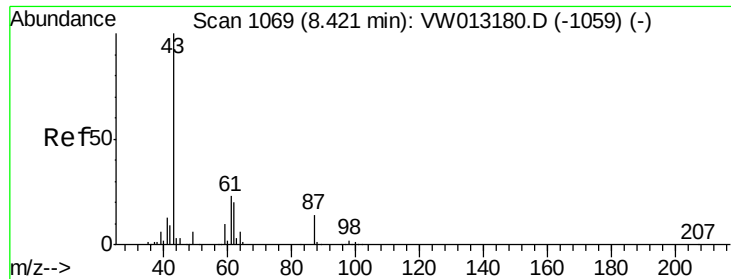
MMDadoda
9/25/2019 12:35:39 AM



#42
1,2-Dichloroethane
Concen: 20.794 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 20.301 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

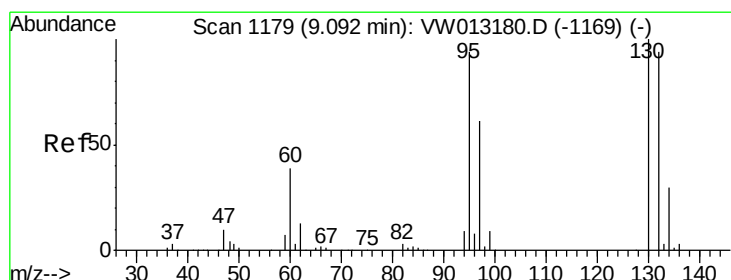
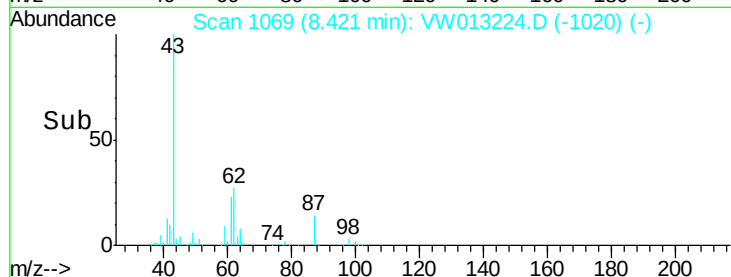
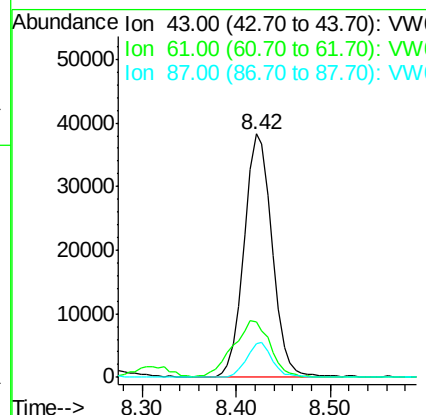
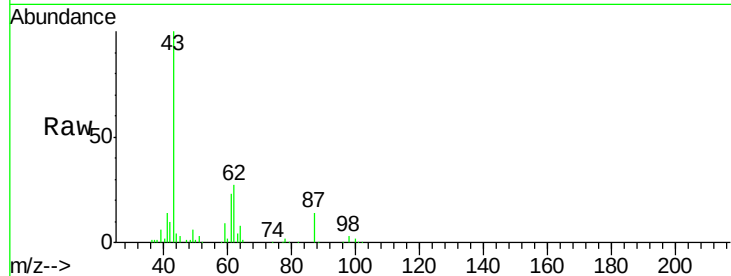
ClientSampleId :

VW0923SBS01

Tot Ion:	43	Resp:	79936
Ion	Ratio	Lower	Upper
43	100		
61	29.6	25.5	38.3
87	13.1	11.0	16.4

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#44

Trichloroethene

Concen: 21.420 ug/l

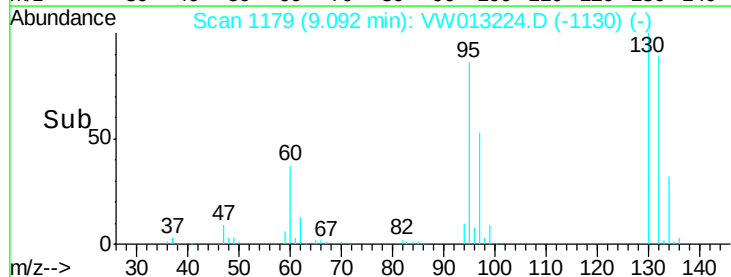
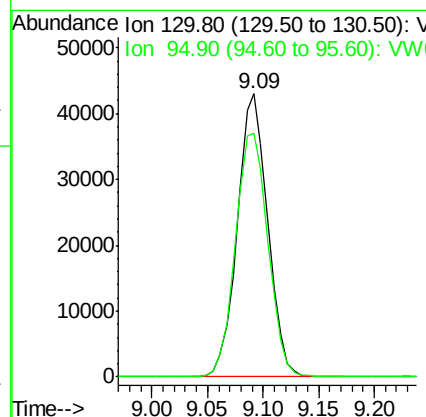
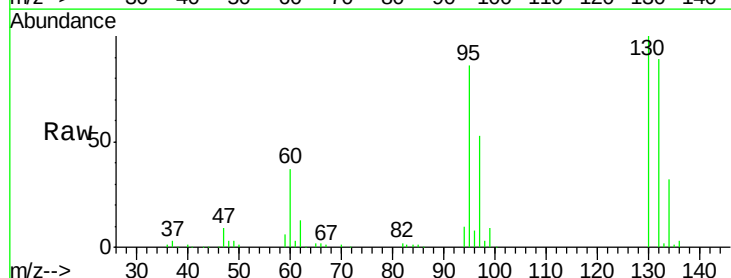
RT: 9.09 min Scan# 1179

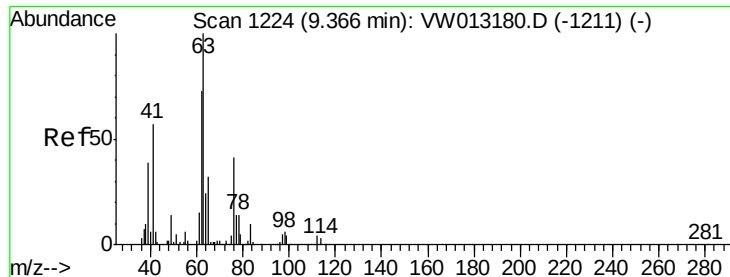
Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion:	130	Resp:	81033
Ion	Ratio	Lower	Upper
130	100		
95	86.1	0.0	188.0





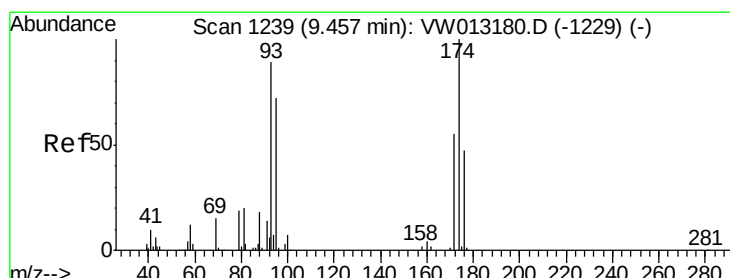
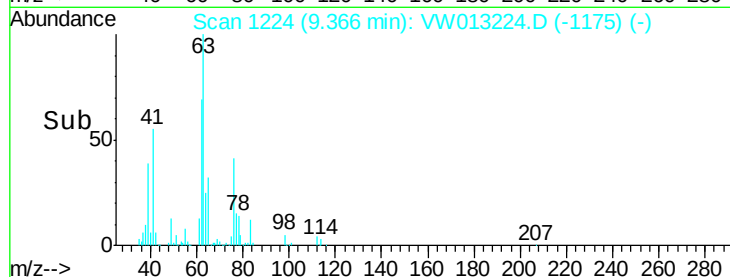
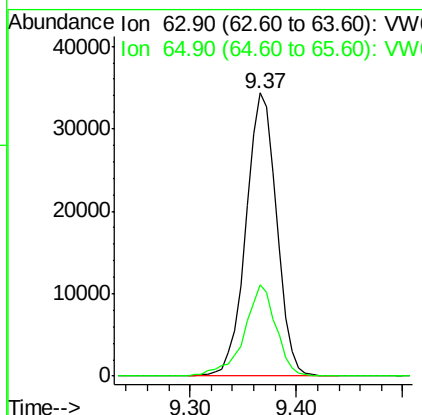
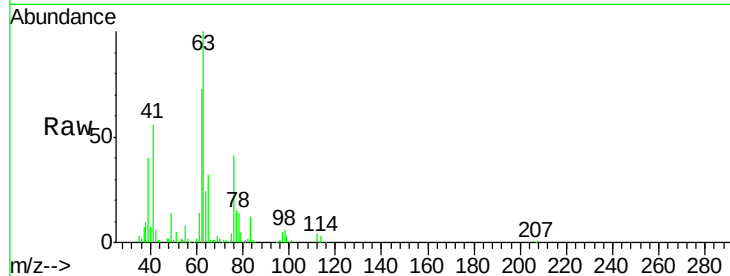
#45
 1,2-Dichloropropane
 Concen: 21.092 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	69433		
65	32.1		25.3	37.9

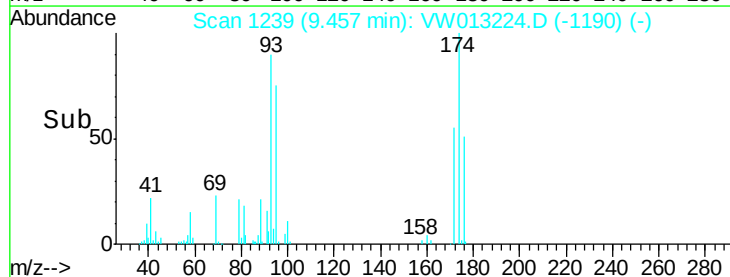
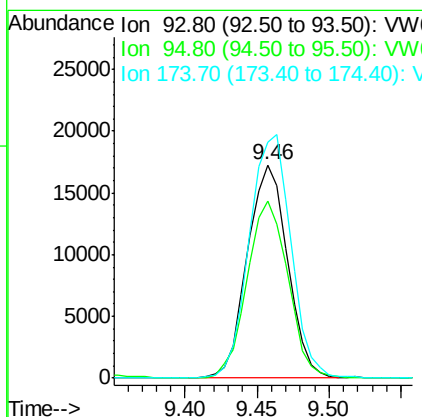
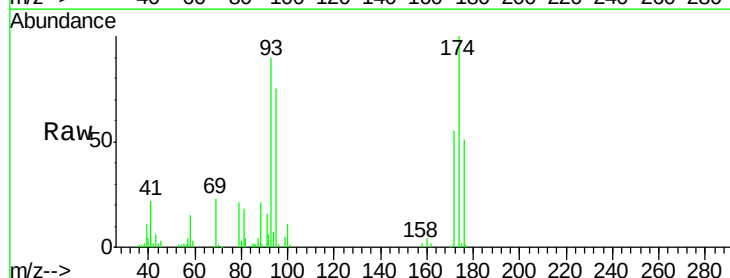
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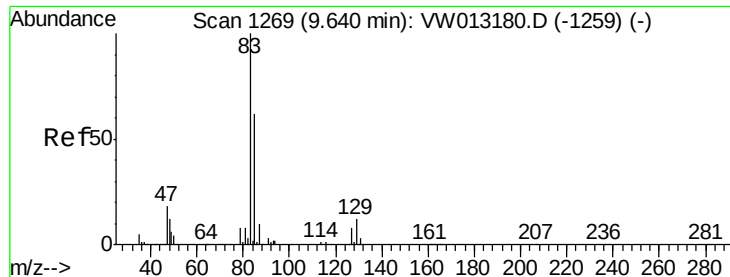
MMDadoda
 9/25/2019 12:35:39 AM



#46
 Dibromomethane
 Concen: 20.925 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	33442		
95	83.8		66.4	99.6
174	117.8		93.0	139.6





#47

Bromodichloromethane

Concen: 20.690 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

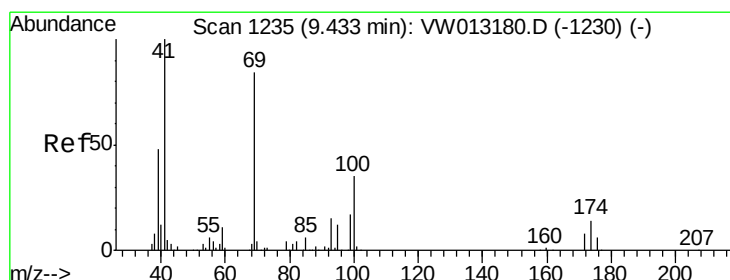
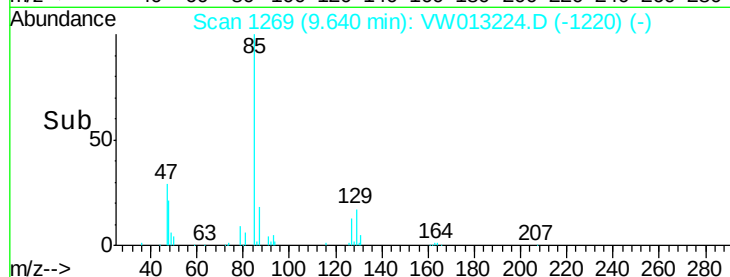
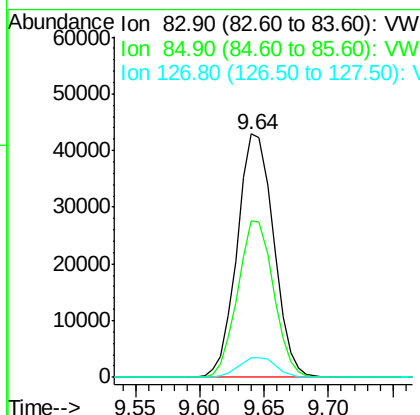
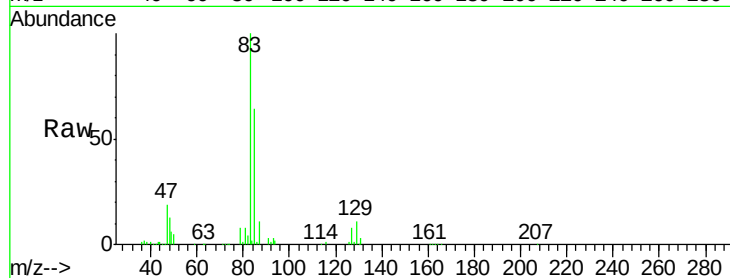
ClientSampleId :

VW0923SBSD01

Tot Ion:	83	Resp:	84141
Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.4	74.2
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.771 ug/l

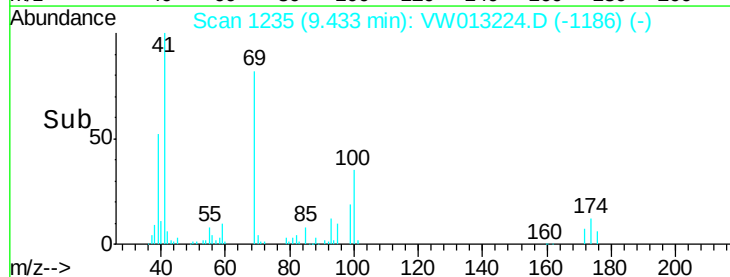
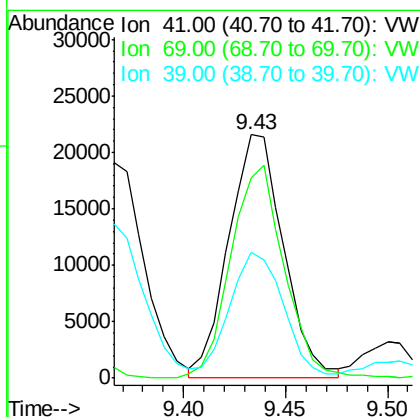
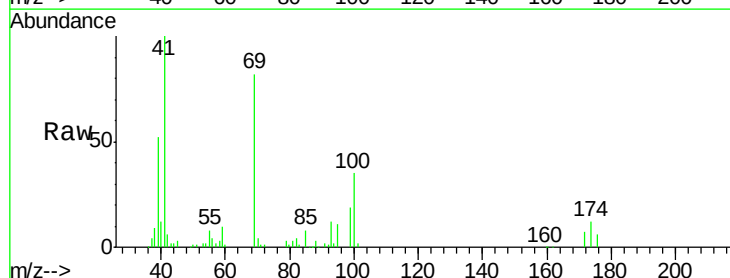
RT: 9.43 min Scan# 1235

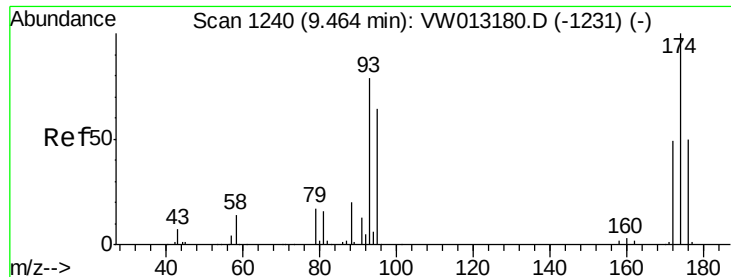
Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion:	41	Resp:	40310
Ion	Ratio	Lower	Upper
41	100		
69	85.4	69.7	104.5
39	47.4	41.1	61.7





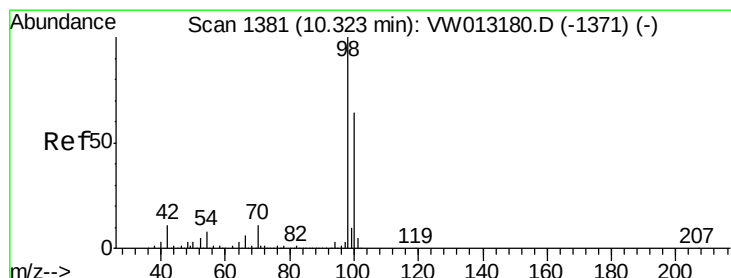
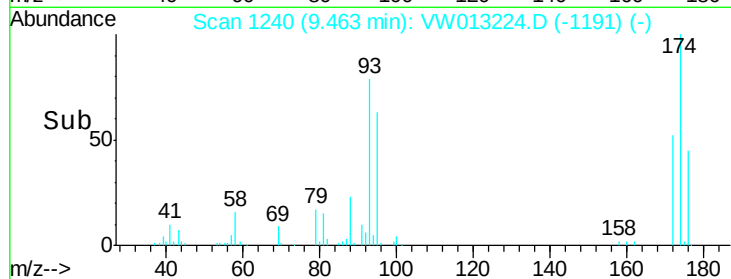
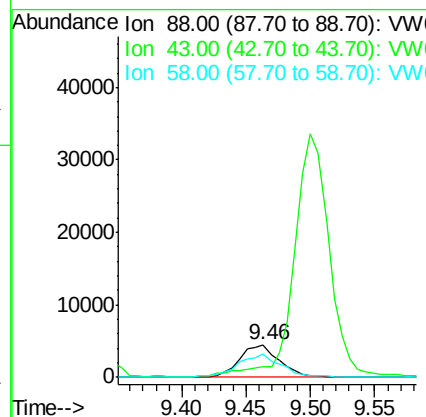
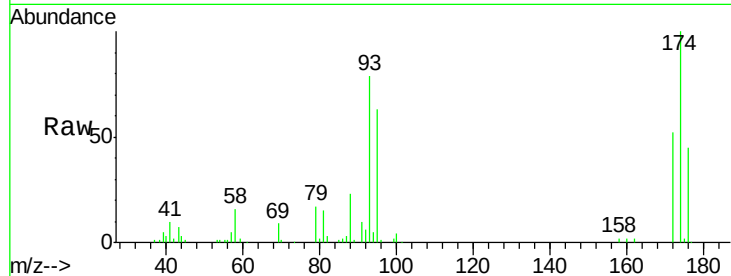
#49
1,4-Dioxane
Concen: 399.708 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion	88	Resp	9589
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.6	65.4	98.0

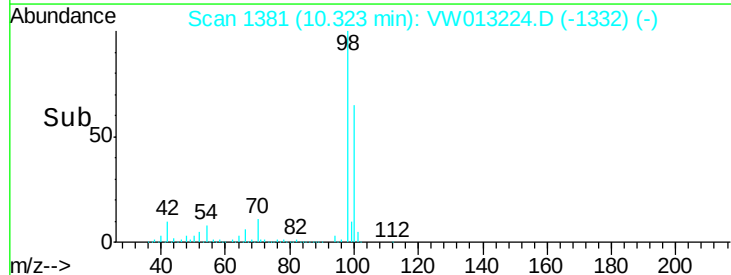
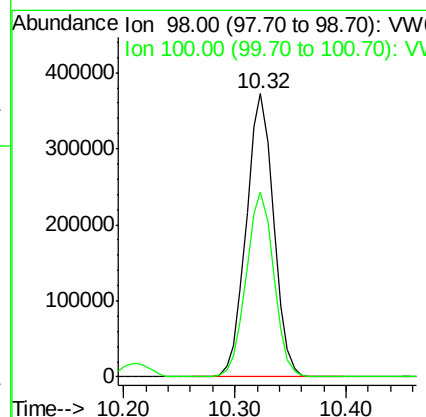
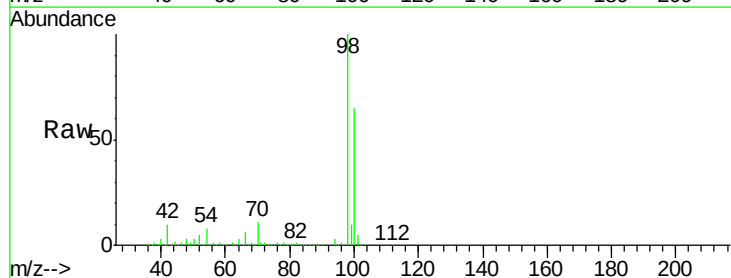
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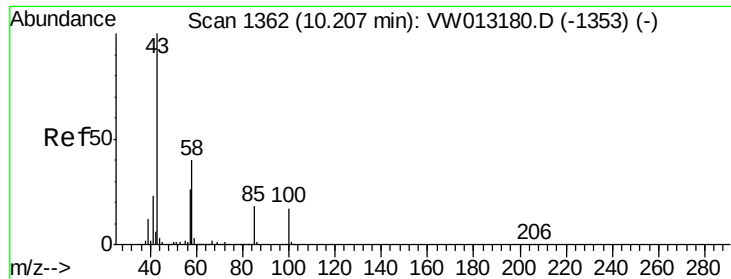
MMDadoda
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#50
Toluene-d8
Concen: 55.264 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	98	Resp	634878
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.9	79.3





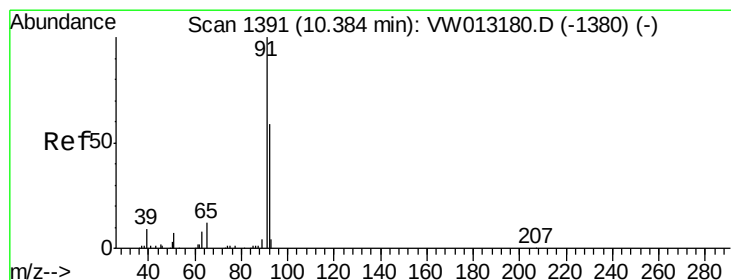
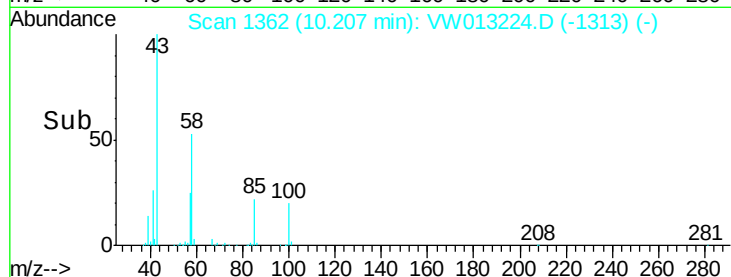
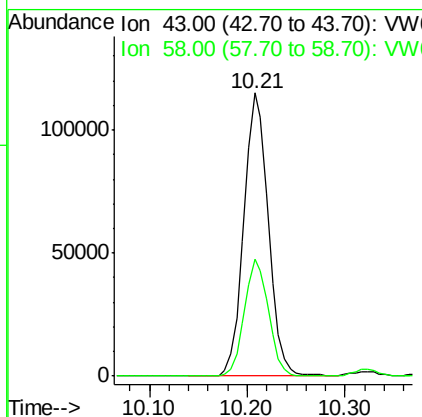
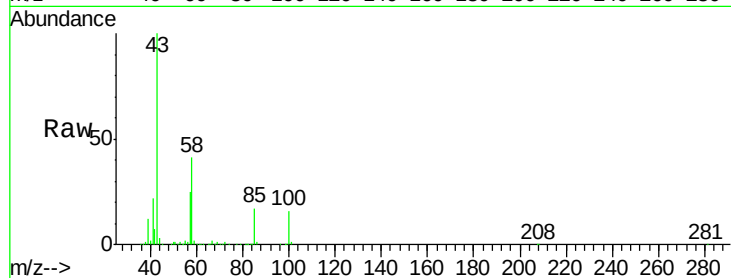
#51
4-Methyl-2-Pentanone
Concen: 101.239 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	43	Resp	199843
Ion Ratio	43	100	
Lower	58	40.7	31.7
Upper			47.5

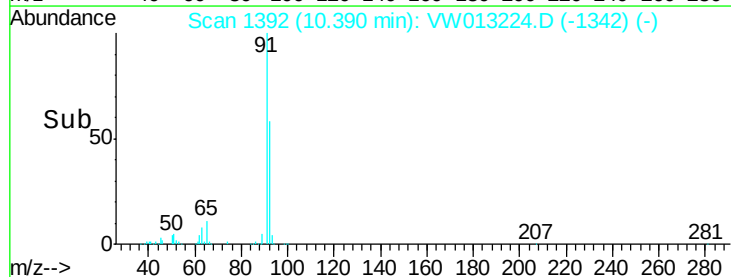
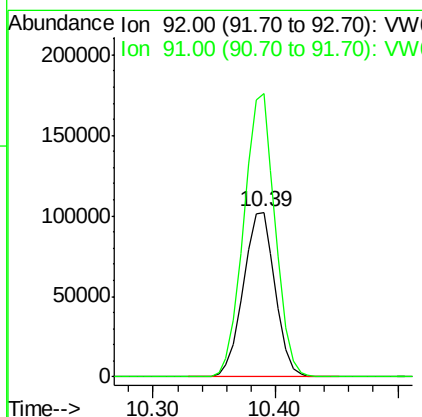
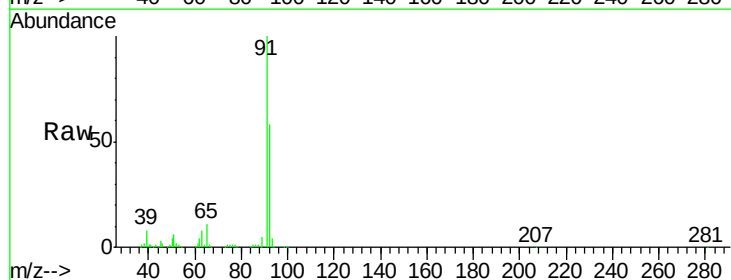
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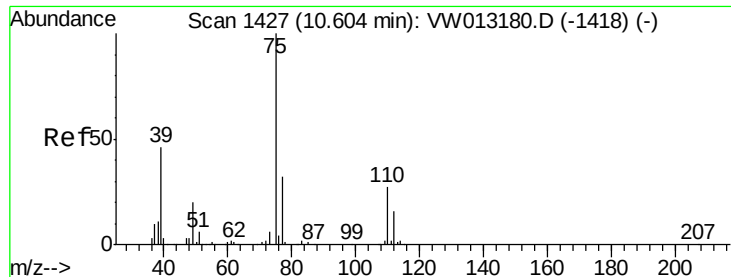
MMDadoda
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#52
Toluene
Concen: 21.283 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	92	Resp	183920
Ion Ratio	92	100	
Lower	91	170.0	135.7
Upper			203.5





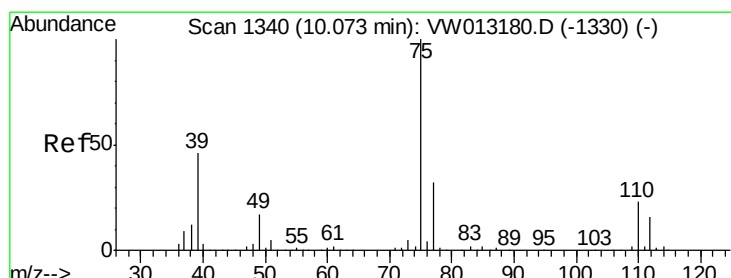
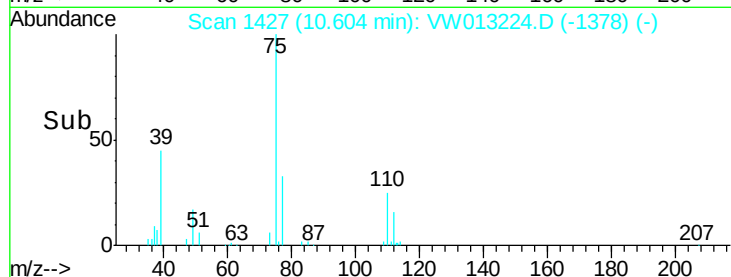
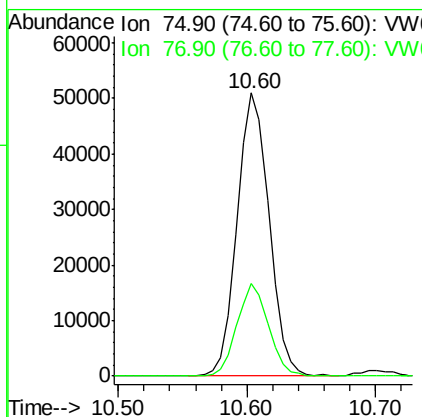
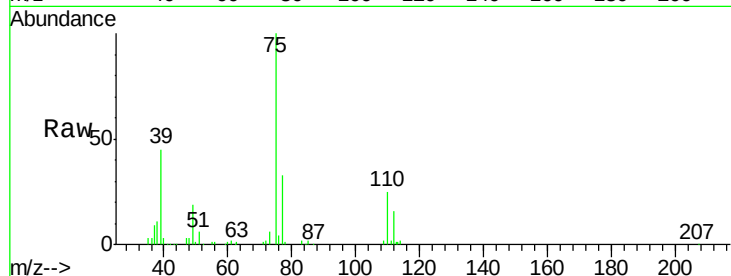
#53
t-1,3-Dichloropropene
Concen: 20.986 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion: 75 Resp: 87680
Ion Ratio Lower Upper
75 100
77 32.5 25.5 38.3

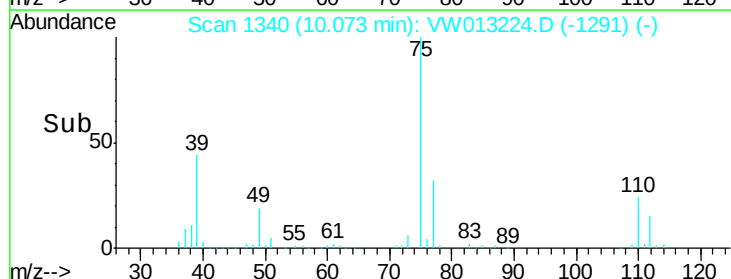
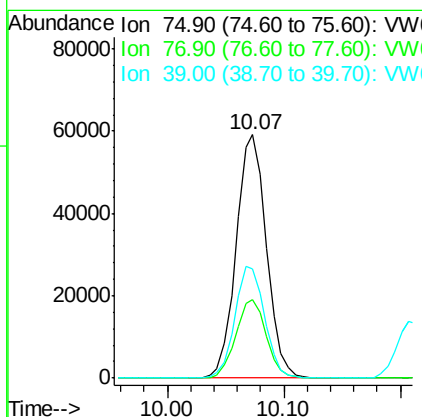
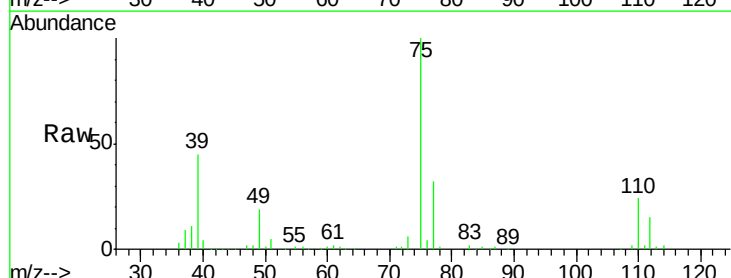
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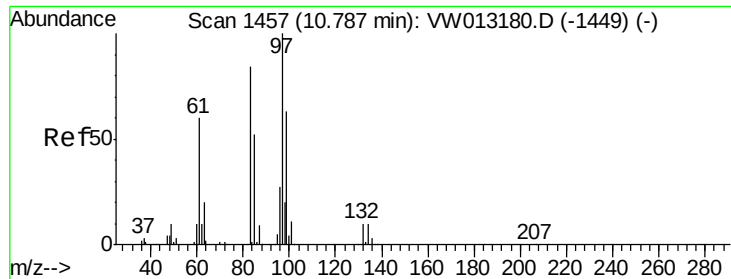
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#54
cis-1,3-Dichloropropene
Concen: 21.061 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion: 75 Resp: 106993
Ion Ratio Lower Upper
75 100
77 32.4 25.2 37.8
39 44.6 36.6 55.0





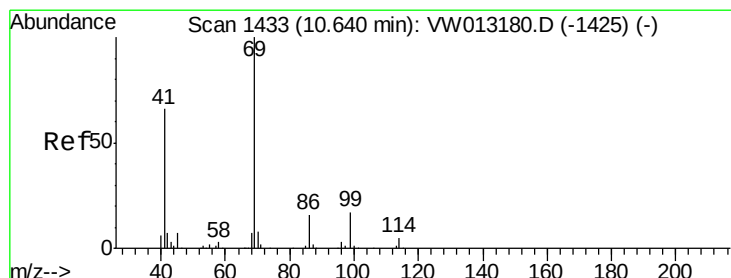
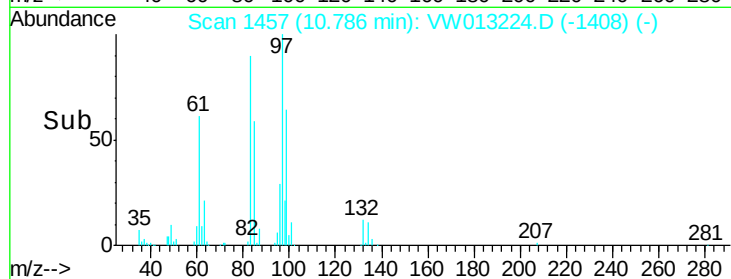
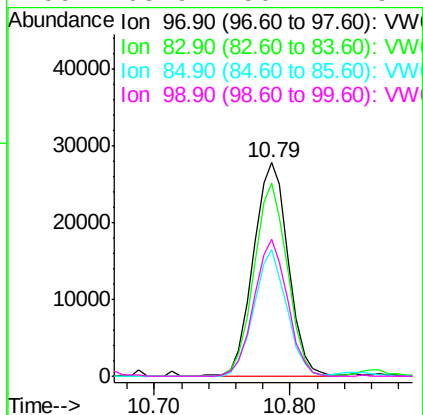
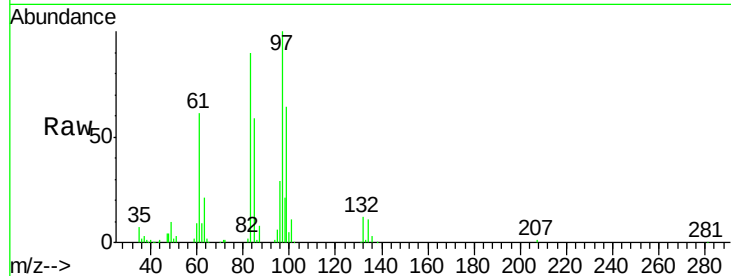
#55
 1,1,2-Trichloroethane
 Concen: 20.900 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Tot Ion:	97	Resp:	49925
Ion	Ratio	Lower	Upper
97	100		
83	90.4	67.6	101.4
85	59.4	41.9	62.9
99	63.9	50.1	75.1

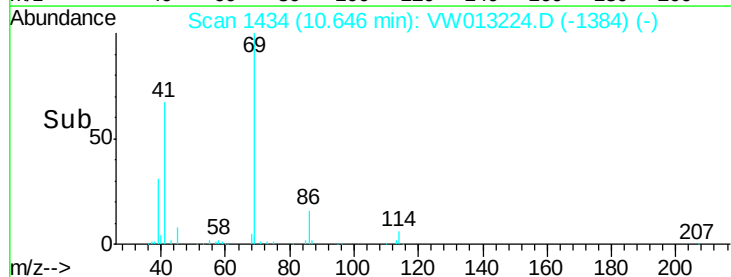
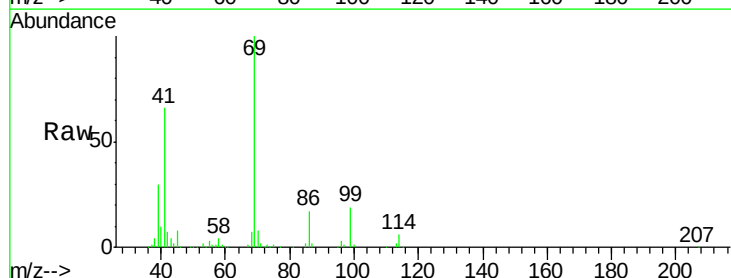
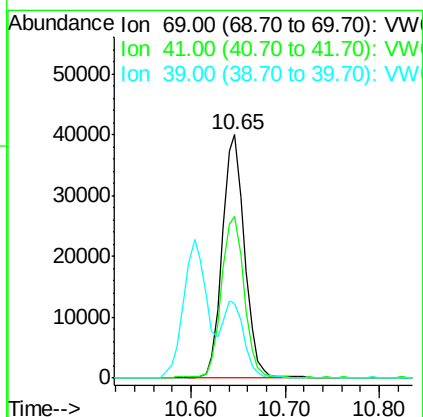
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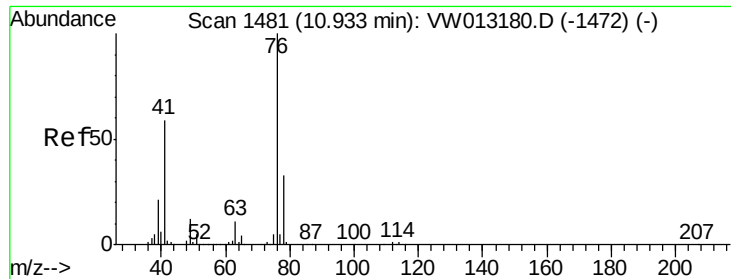
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#56
 Ethyl methacrylate
 Concen: 21.035 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion:	69	Resp:	65762
Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.9	80.9
39	29.5	23.8	35.6





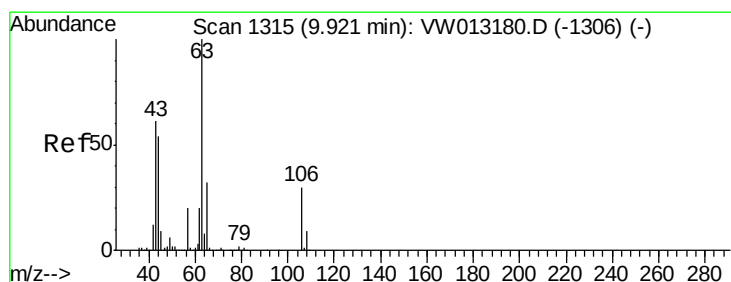
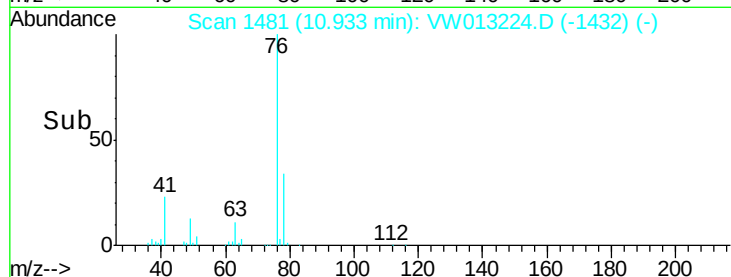
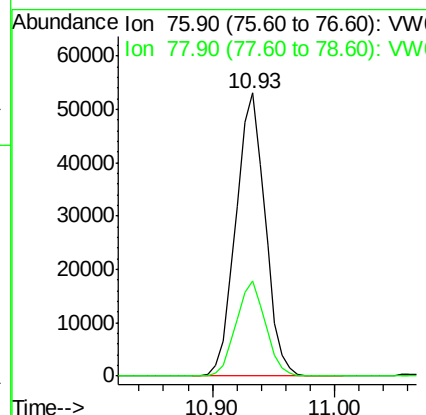
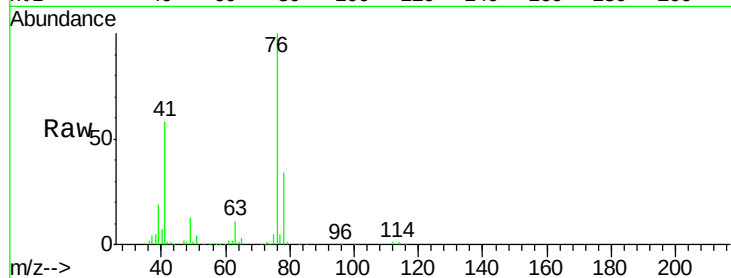
#57
 1,3-Dichloropropane
 Concen: 21.023 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Tot Ion: 76 Resp: 87637
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.5 38.3

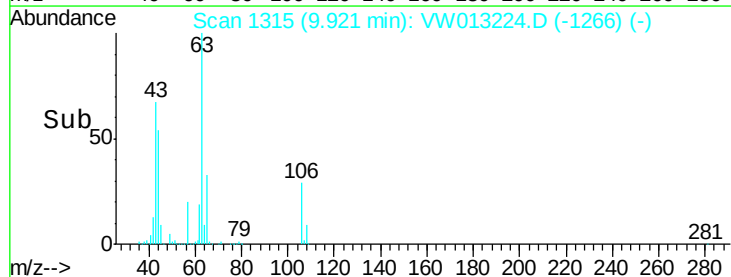
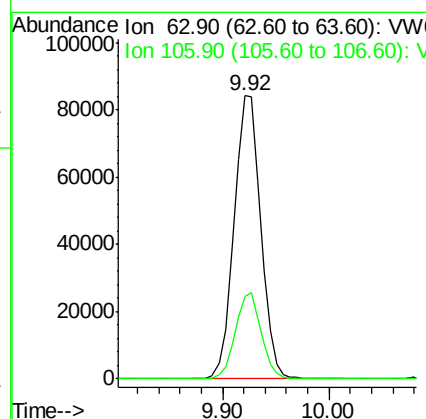
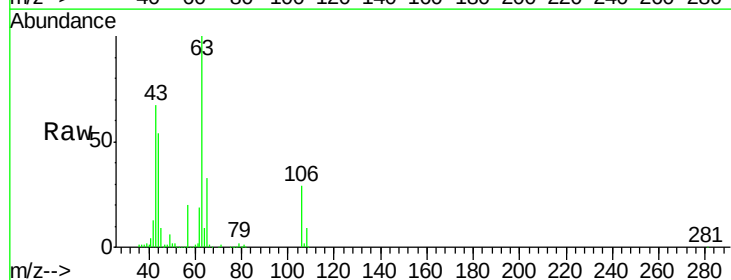
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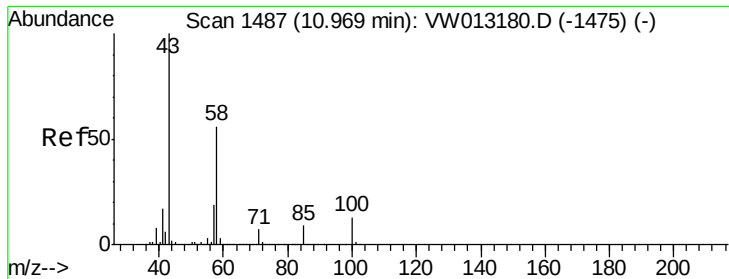
MMDadoda
 9/25/2019 12:35:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.514 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion: 63 Resp: 148368
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.0





#59

2-Hexanone

Concen: 101.741 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 43 Resp: 138173

Ion Ratio Lower Upper

43 100

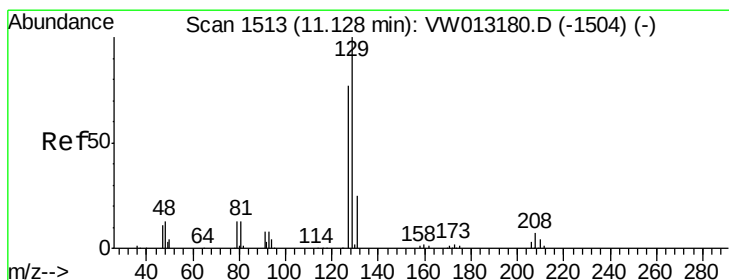
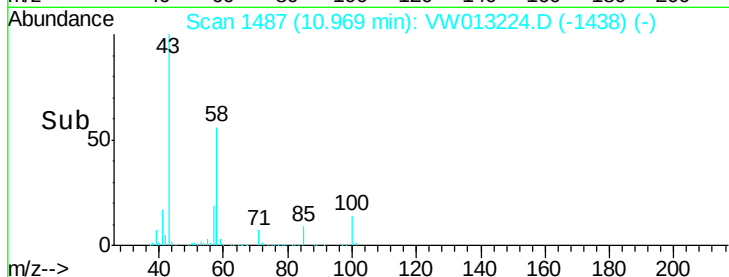
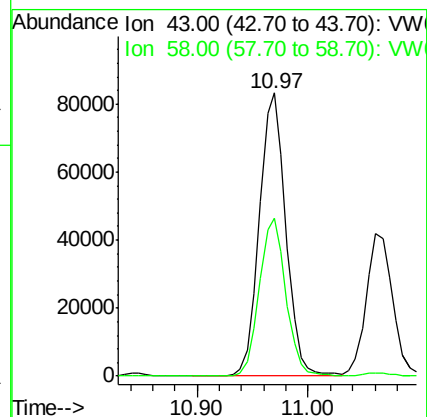
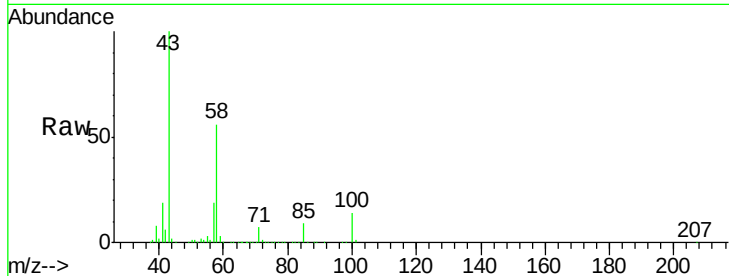
58 56.1 28.1 84.2

Manual Integrations

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#60

Dibromochloromethane

Concen: 21.693 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013224.D

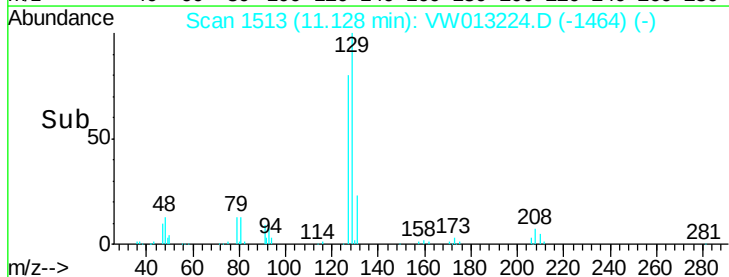
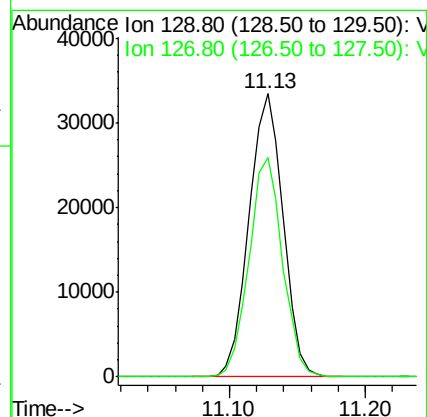
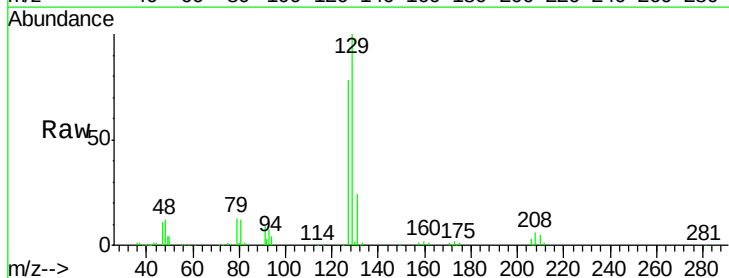
Acq: 23 Sep 2019 12:10

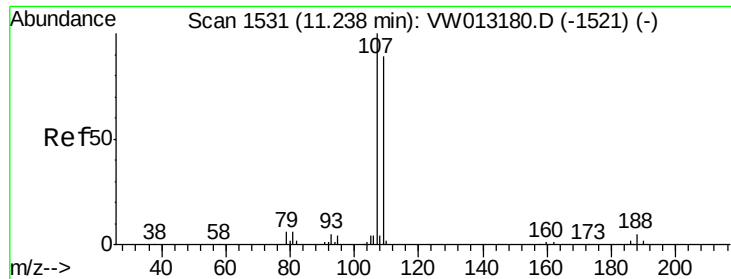
Tgt Ion: 129 Resp: 58840

Ion Ratio Lower Upper

129 100

127 76.1 38.8 116.4





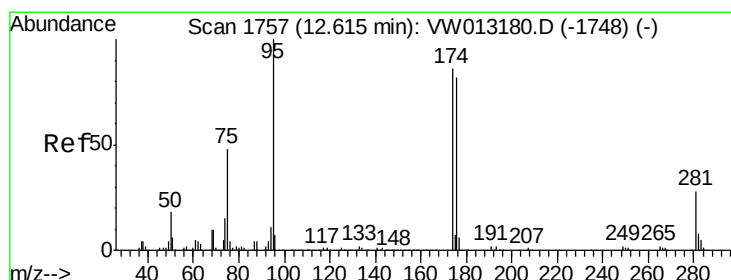
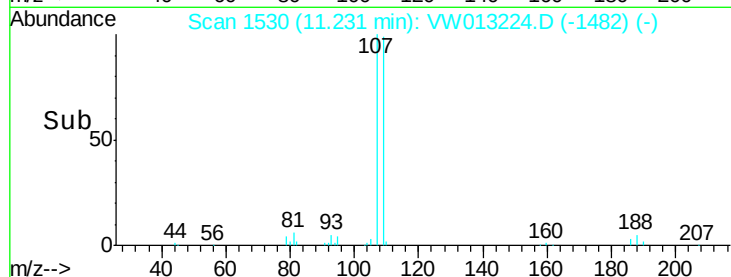
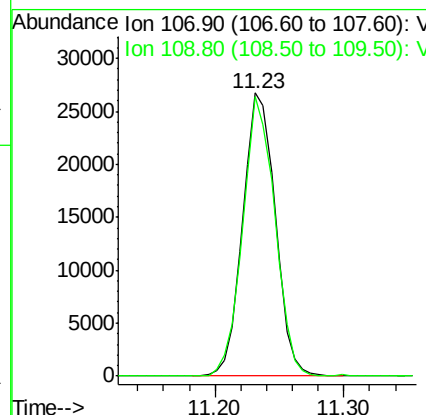
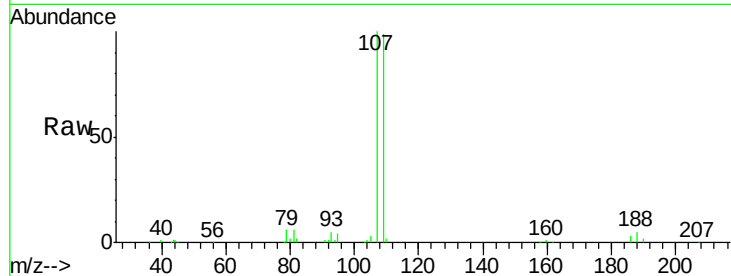
#61
 1,2-Dibromoethane
 Concen: 20.583 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	75.2	112.8

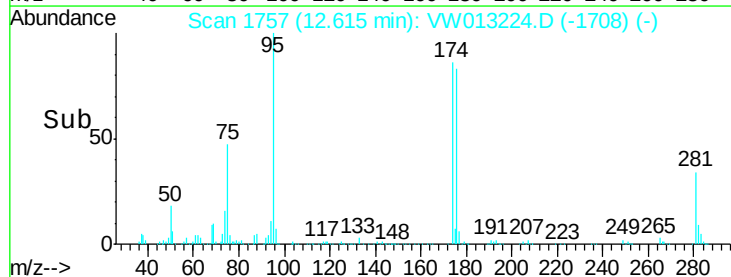
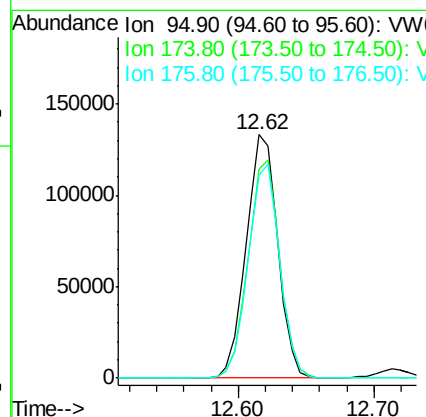
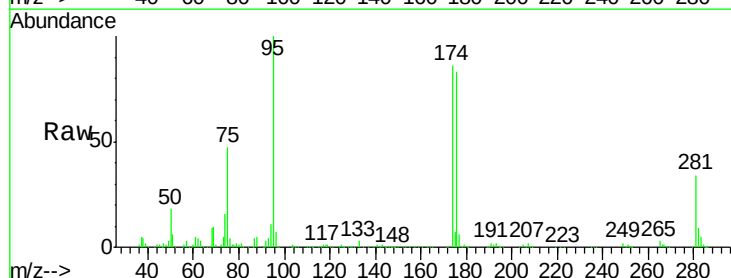
Manual Integrations
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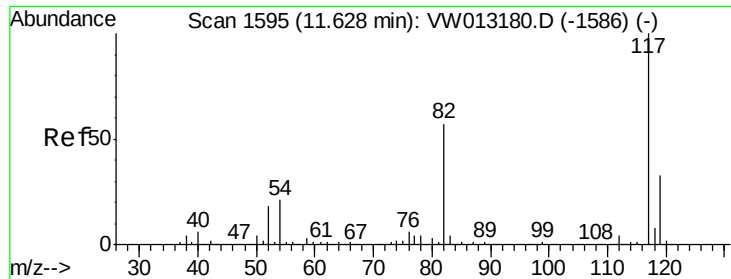
MMDadoda
 9/25/2019 12:35:39 AM



#62
 4-Bromofluorobenzene
 Concen: 55.093 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	178.4
176	87.8	0.0	172.2





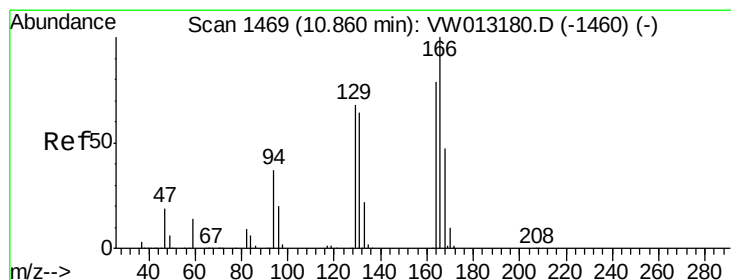
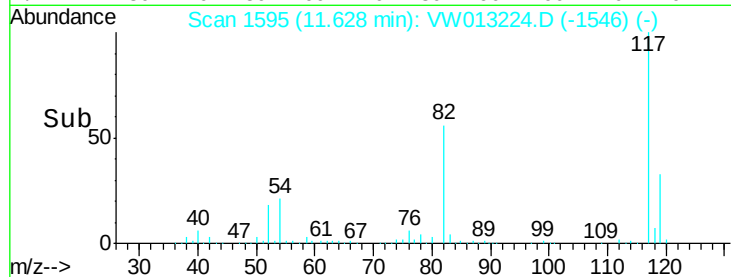
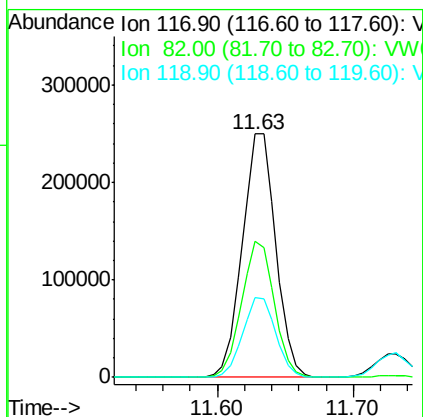
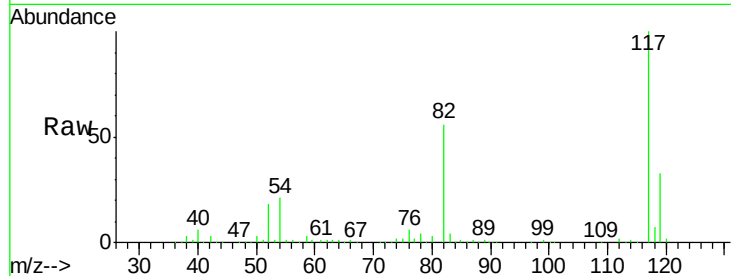
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.9	68.9
119	32.6	26.2	39.2

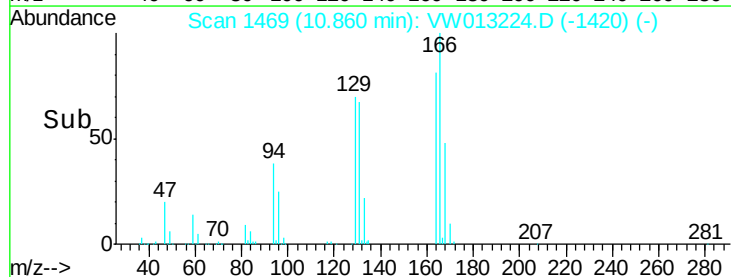
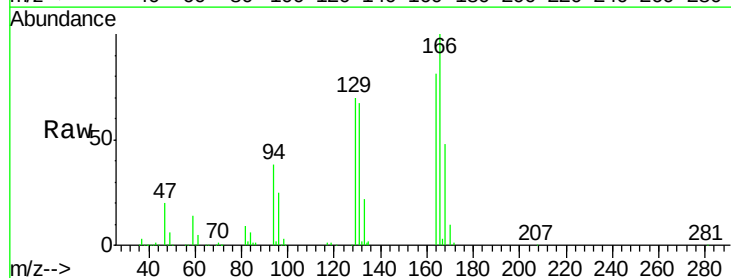
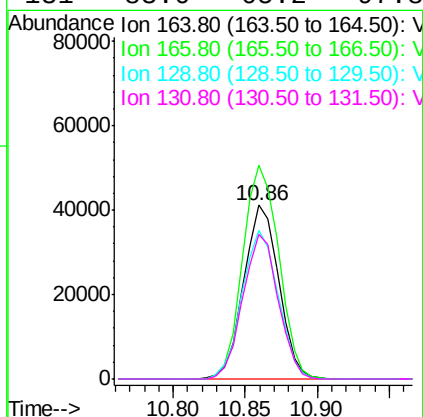
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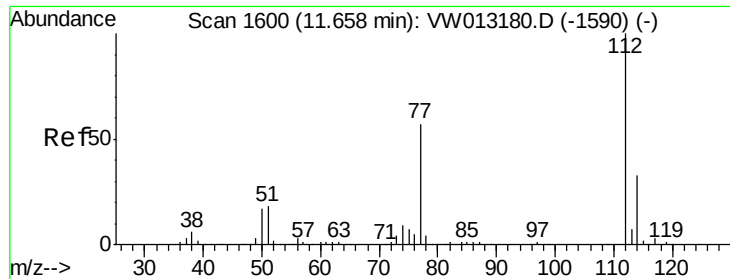
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#64
Tetrachloroethene
Concen: 21.265 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.2	151.8
129	85.6	68.8	103.2
131	83.0	65.2	97.8





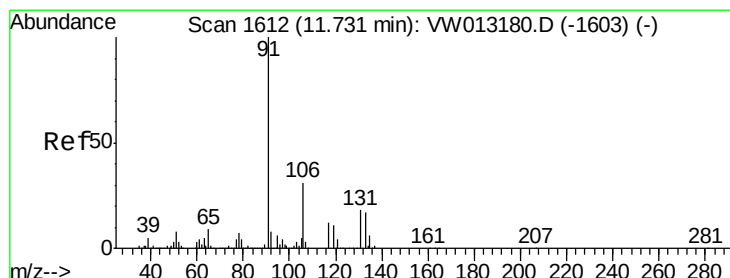
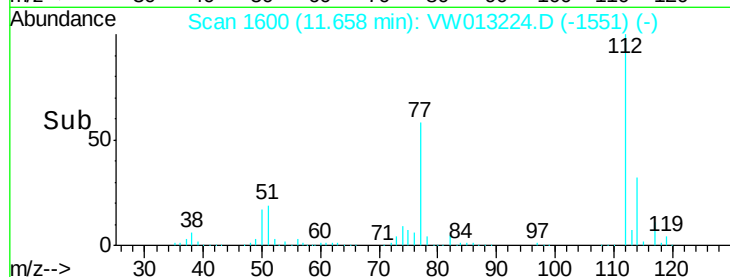
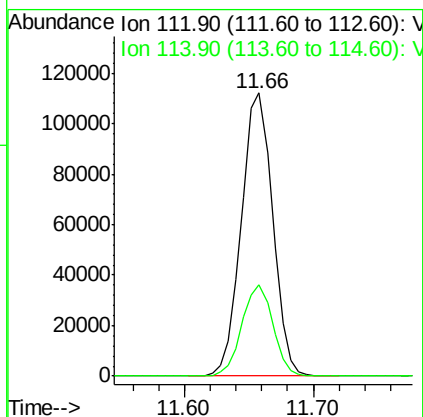
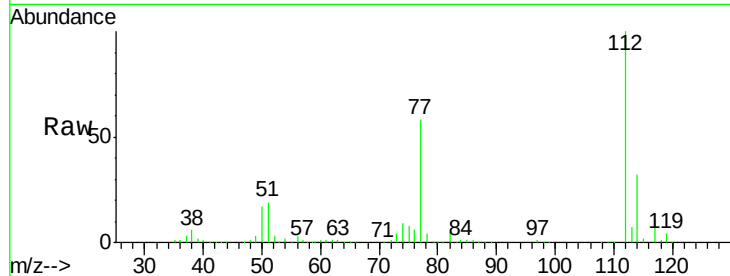
#65
Chlorobenzene
Concen: 20.952 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion:112 Resp: 188374
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7

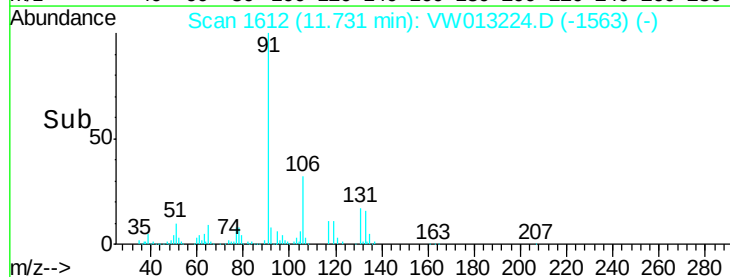
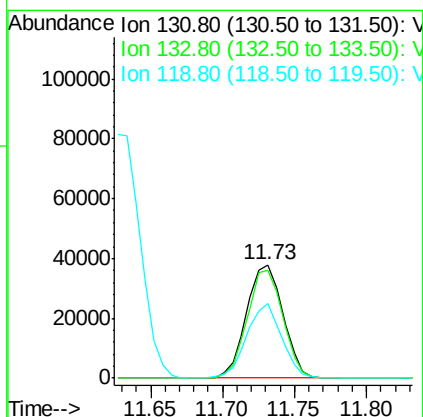
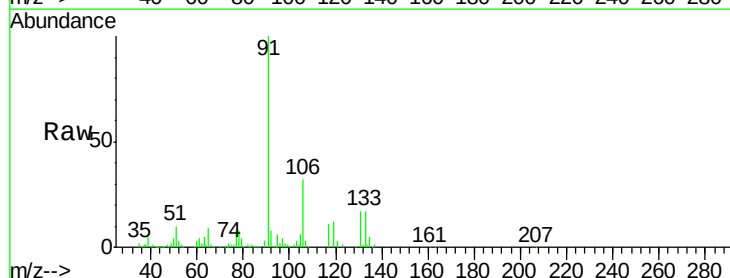
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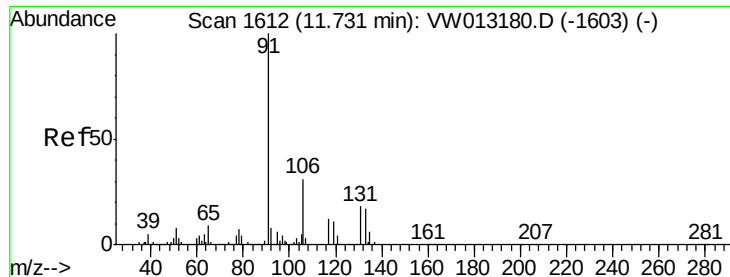
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.615 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion:131 Resp: 66393
Ion Ratio Lower Upper
131 100
133 92.9 47.5 142.6
119 62.5 32.5 97.5





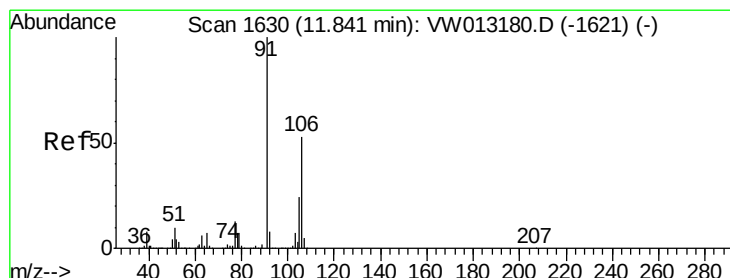
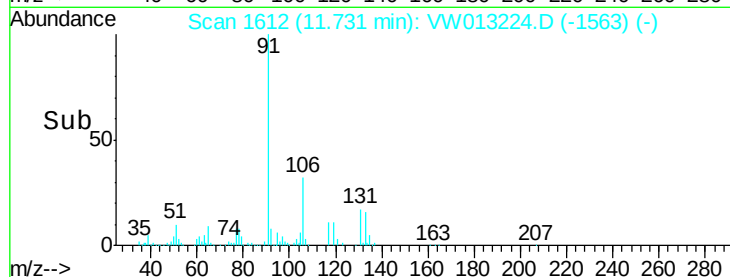
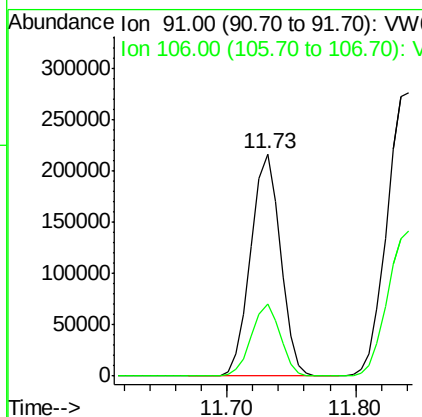
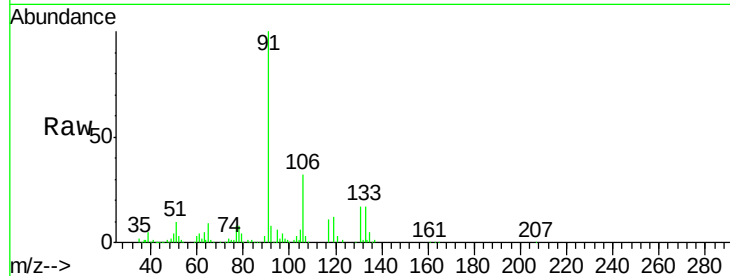
#67
Ethyl Benzene
Concen: 21.187 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.4	24.9	37.3

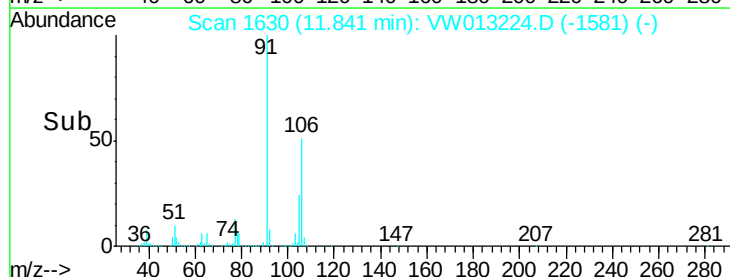
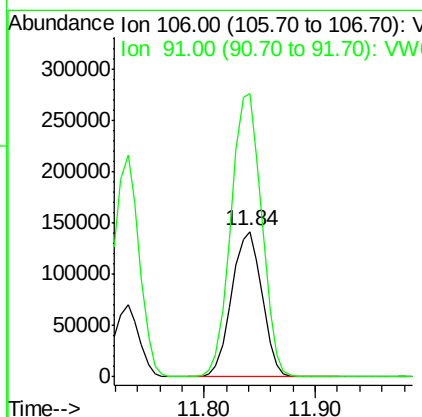
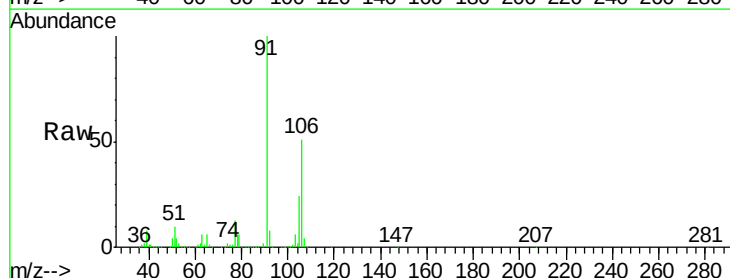
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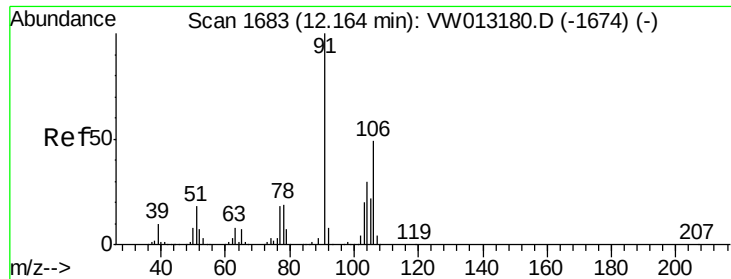
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#68
m/p-Xylenes
Concen: 43.055 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.3	157.9	236.9





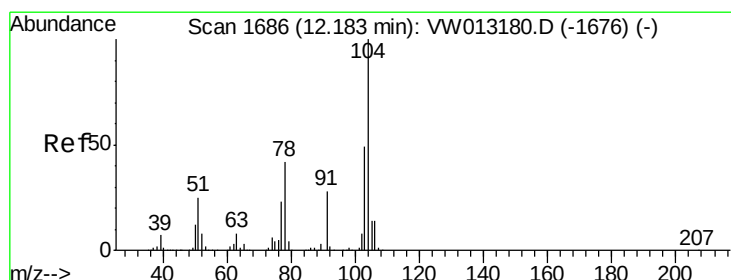
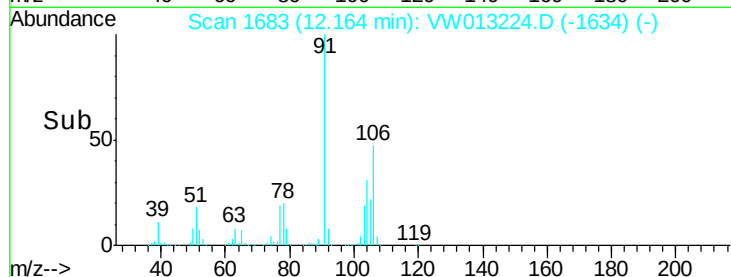
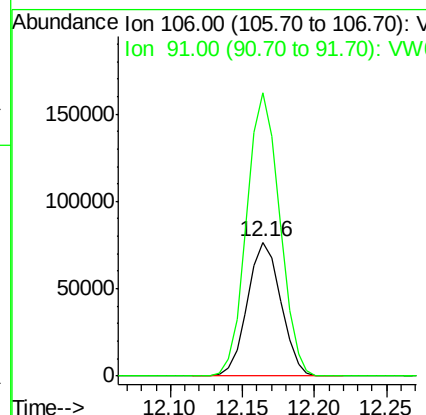
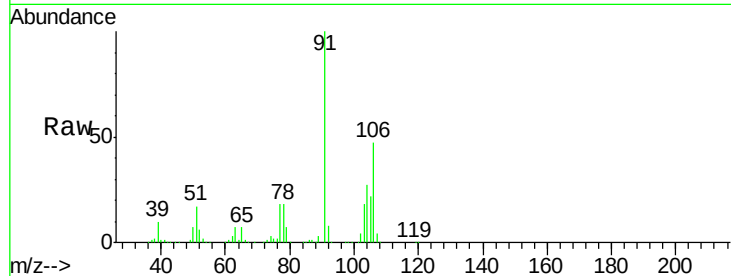
#69
o-Xylene
Concen: 21.232 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	122538		
91	210.3	106.5	319.5	

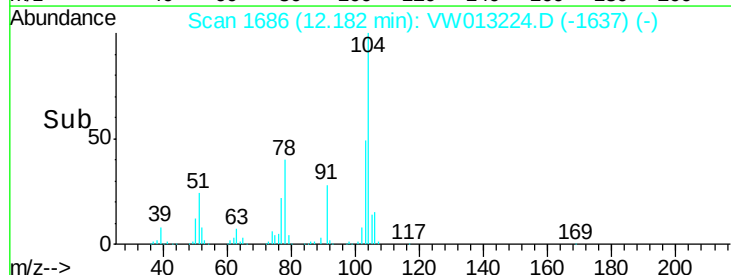
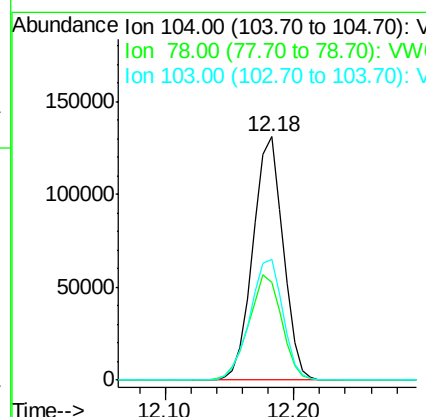
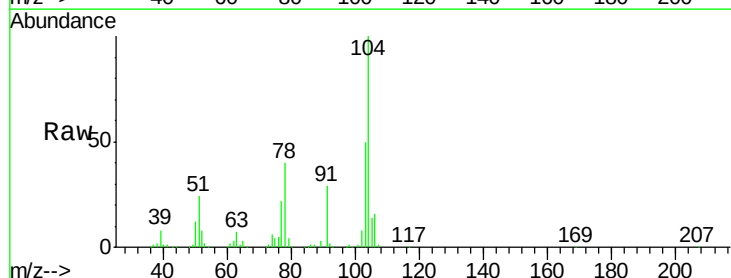
Manual Integrations
APPROVED

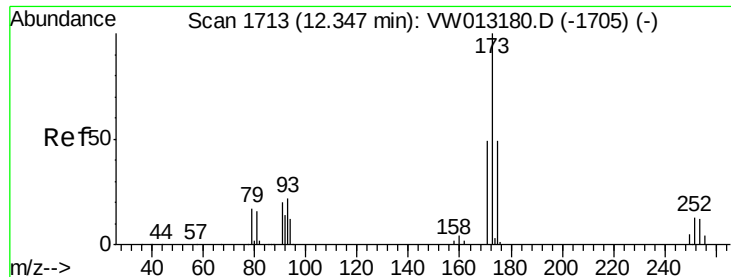
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#70
Styrene
Concen: 21.313 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	211172		
78	47.5	38.4	57.6	
103	54.1	43.3	64.9	





#71

Bromoform

Concen: 21.312 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

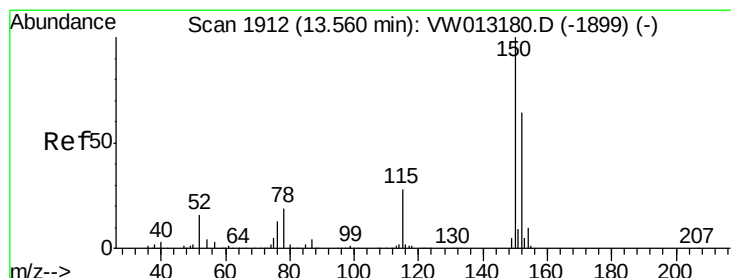
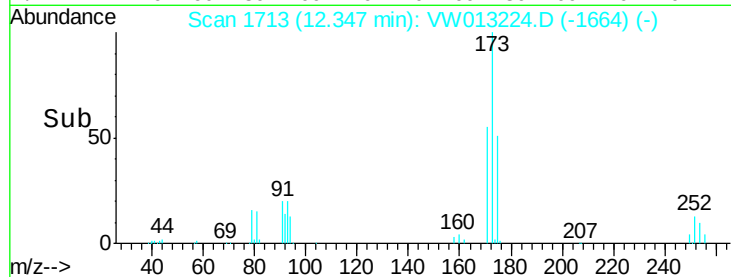
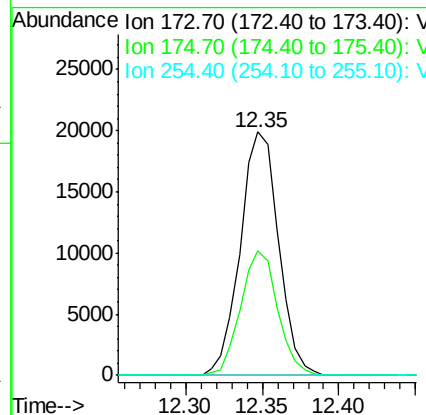
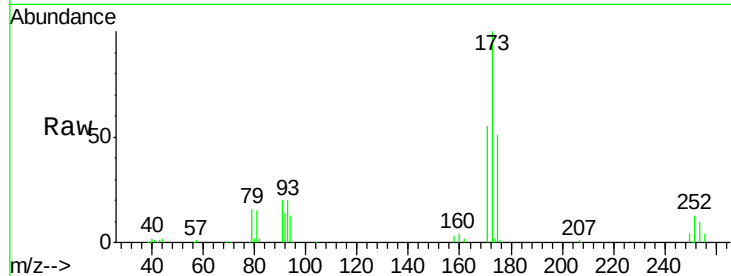
ClientSampleId :

VW0923SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	49.3	24.3	73.0		
254	0.0	0.1	0.1#		

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

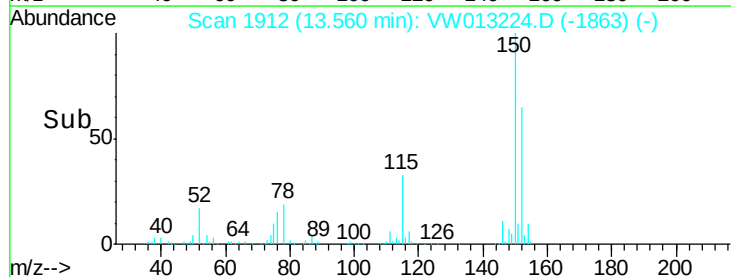
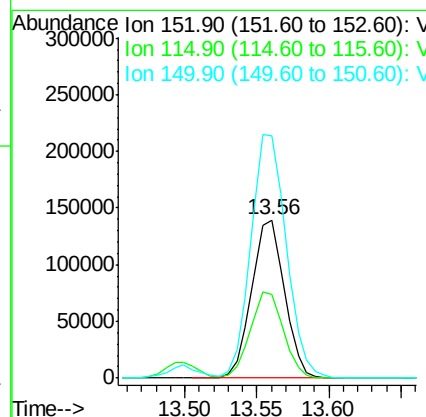
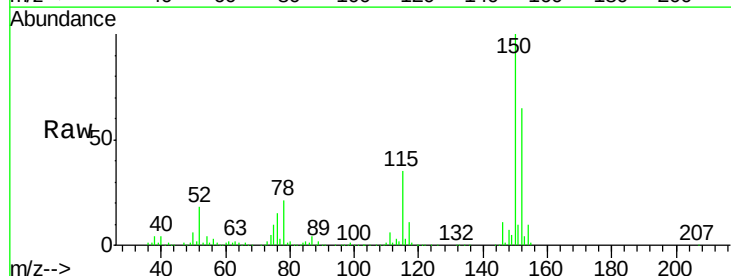
RT: 13.56 min Scan# 1912

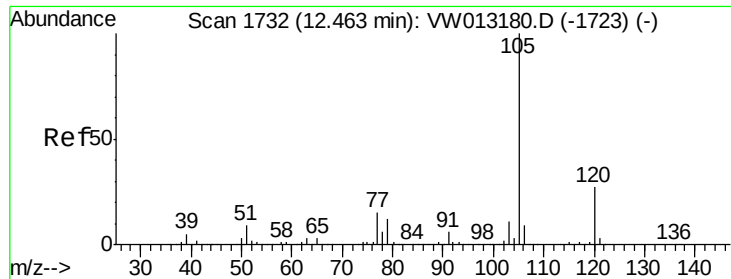
Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	54.9	27.3	81.9		
150	165.4	0.0	349.0		





#73

Isopropylbenzene

Concen: 20.947 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion:105 Resp: 340951

Ion Ratio Lower Upper

105 100

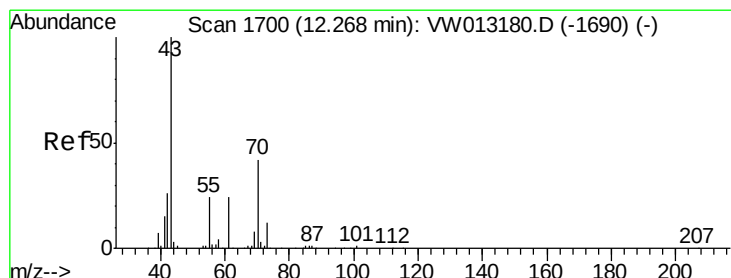
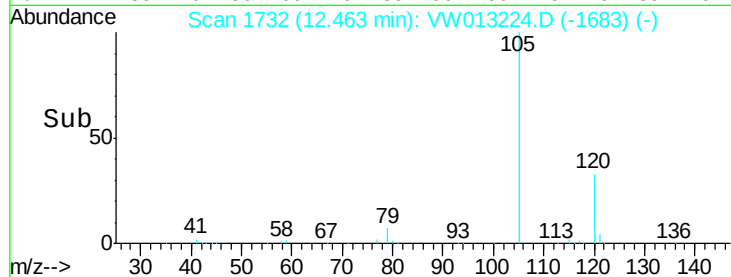
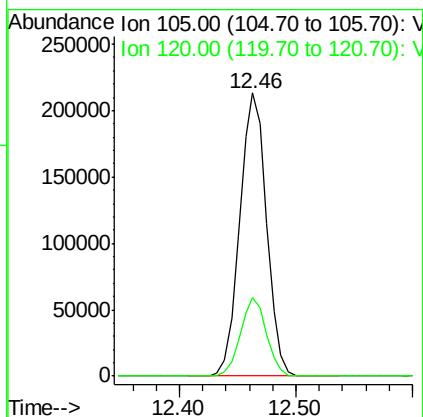
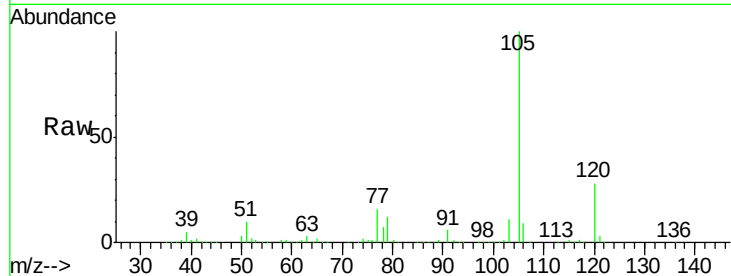
120 26.8 13.4 40.1

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#74

N-ethyl acetate

Concen: 19.648 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion: 43 Resp: 70966

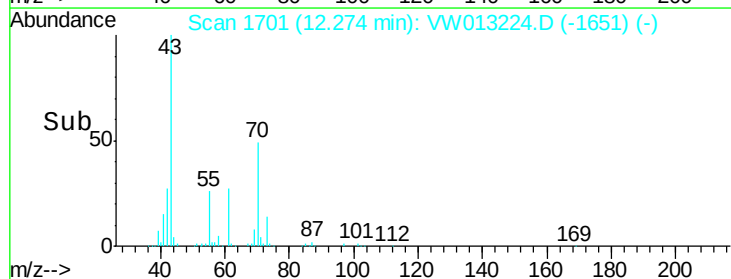
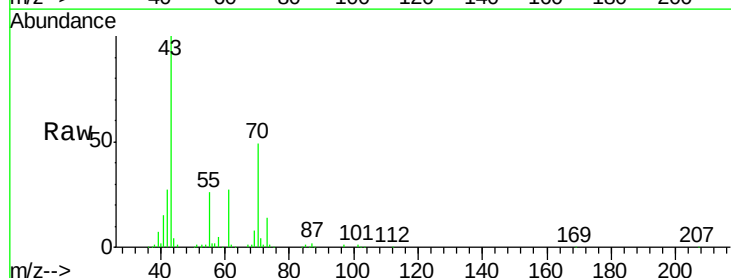
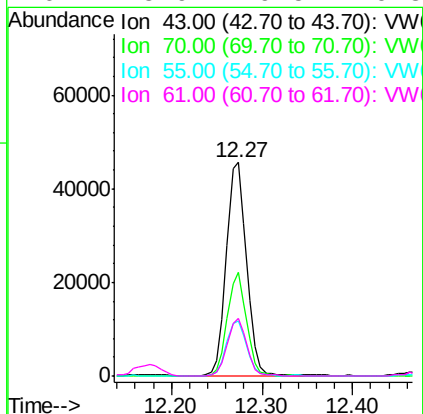
Ion Ratio Lower Upper

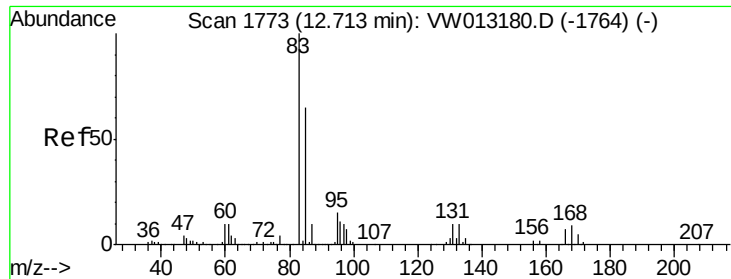
43 100

70 46.0 35.1 52.7

55 26.0 19.9 29.9

61 25.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.354 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

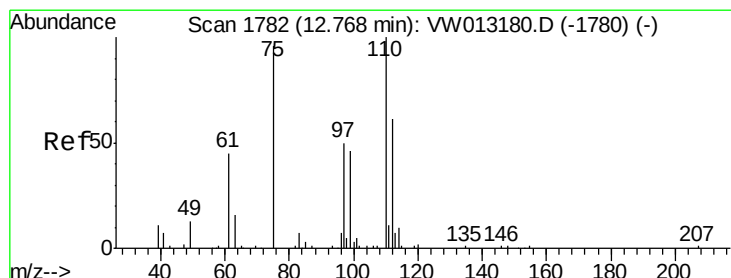
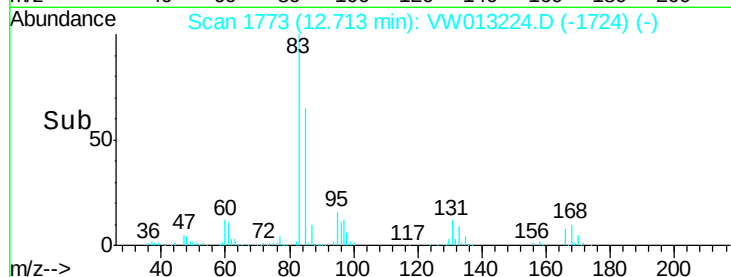
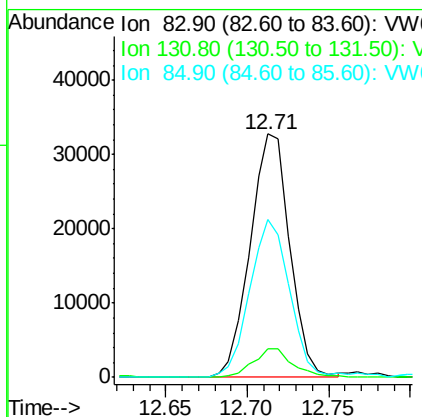
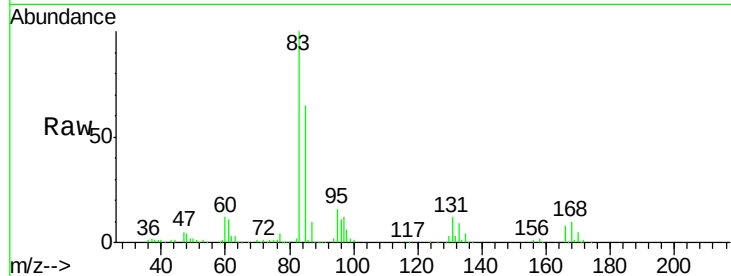
ClientSampleId :

VW0923SBSD01

Tot Ion:	83	Resp:	55406
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.4	16.2
85	66.3	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 18.549 ug/l m

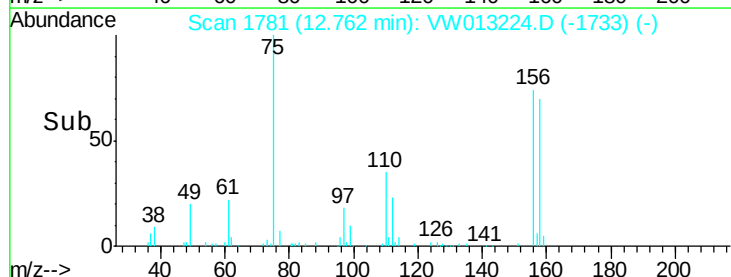
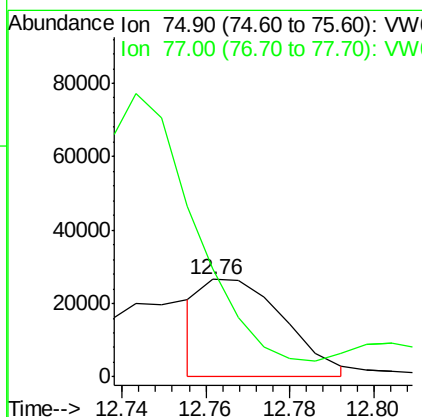
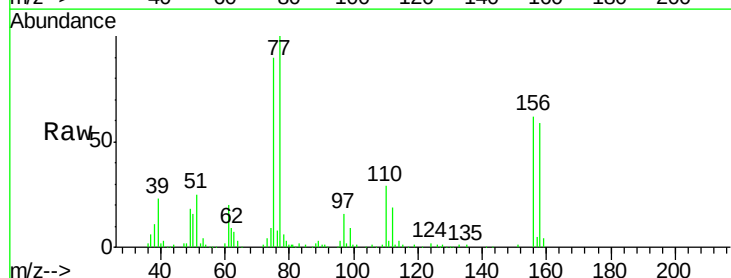
RT: 12.76 min Scan# 1781

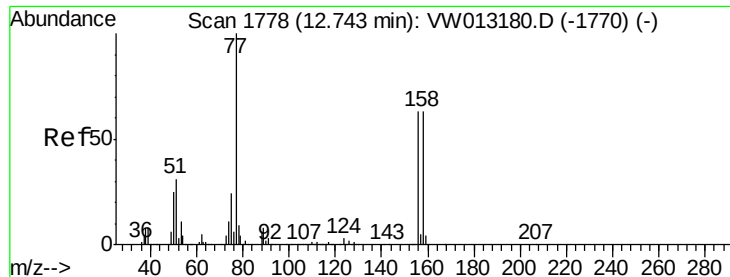
Delta R.T. -0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion:	75	Resp:	36094
Ion Ratio	Lower	Upper	
75	100		
77	387.2	0.0	0.0#





#77

Bromobenzene

Concen: 21.019 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampled :

VW0923SBS01

Tot Ion:156 Resp: 81074

Ion Ratio Lower Upper

156 100

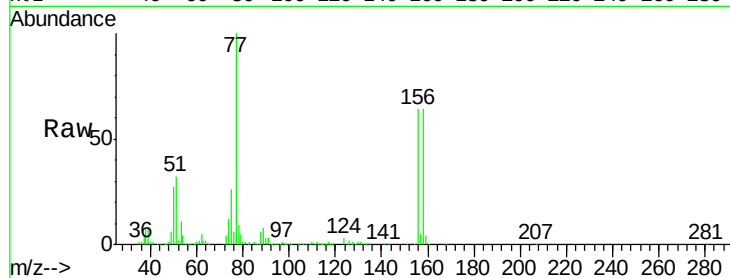
77 172.4 85.7 257.1

158 97.8 48.1 144.4

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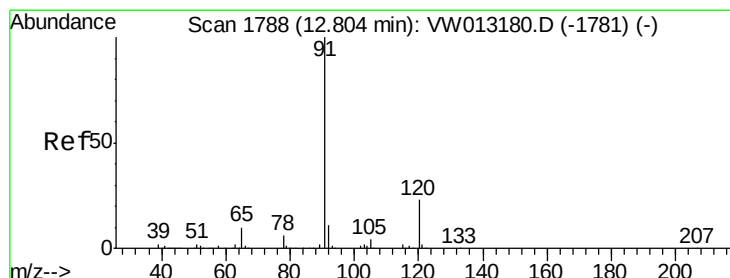
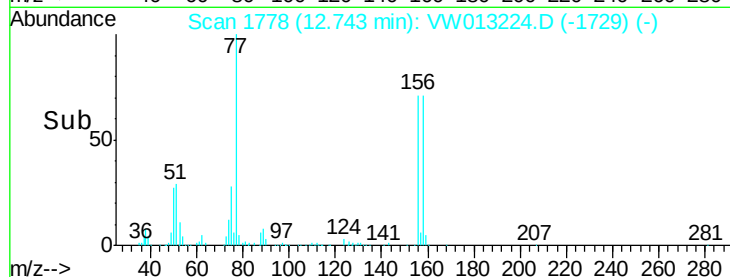
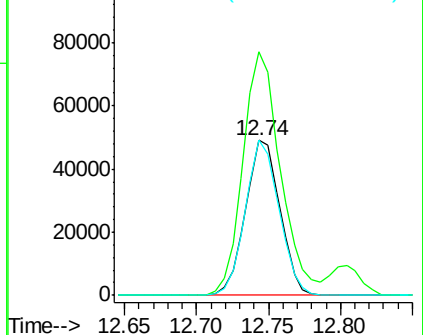
9/25/2019 12:35:39 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.030 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013224.D

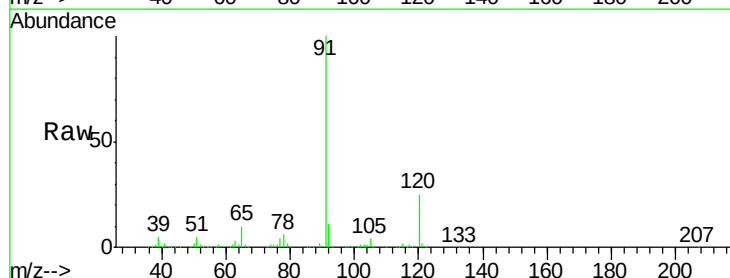
Acq: 23 Sep 2019 12:10

Tgt Ion: 91 Resp: 400680

Ion Ratio Lower Upper

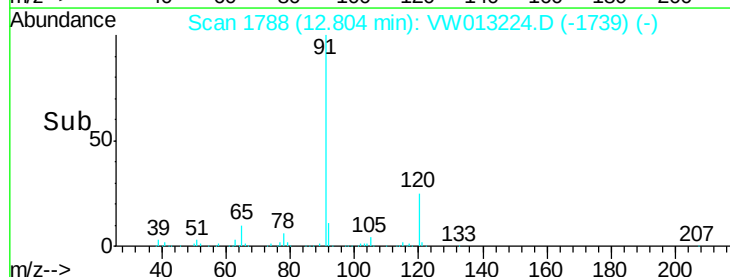
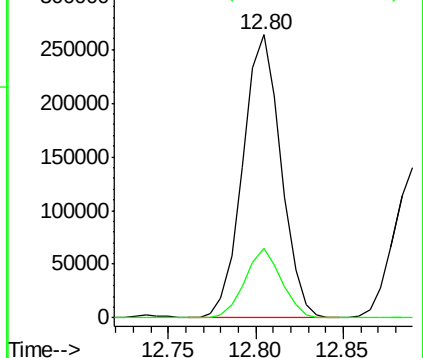
91 100

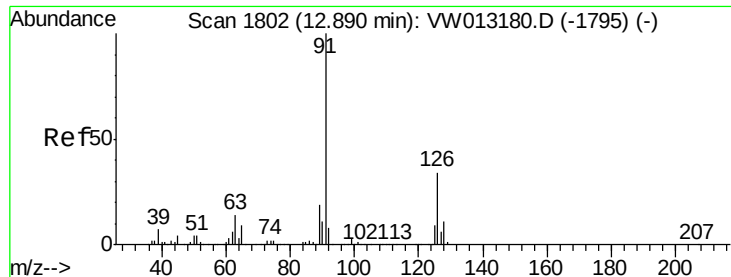
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.326 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBS01

Tot Ion: 91 Resp: 227631

Ion Ratio Lower Upper

91 100

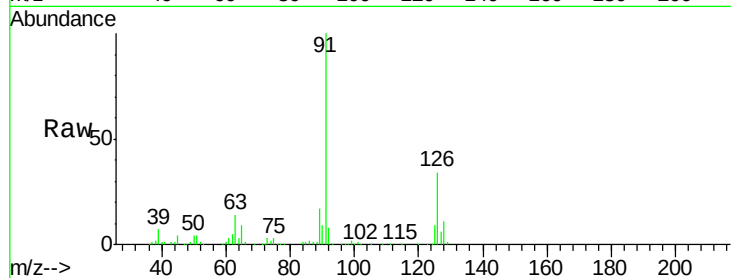
126 34.2 17.2 51.5

Manual Integrations

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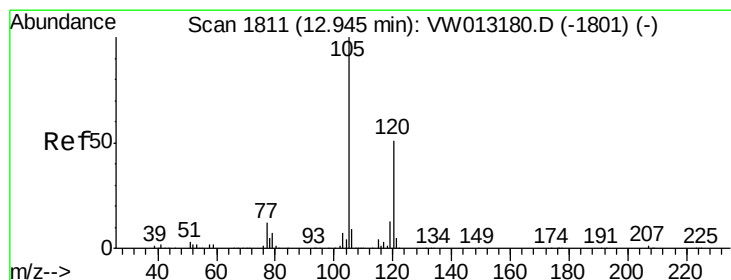
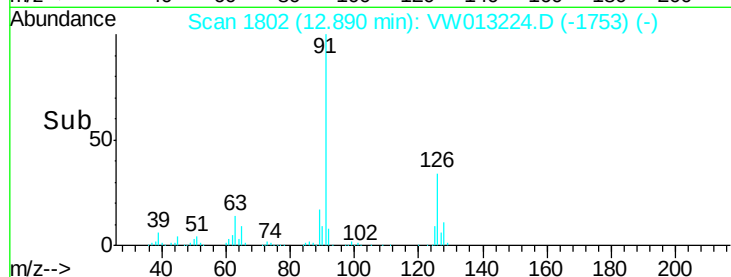
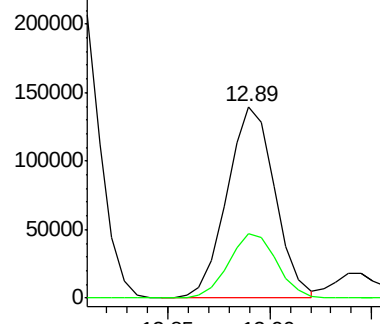
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.112 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013224.D

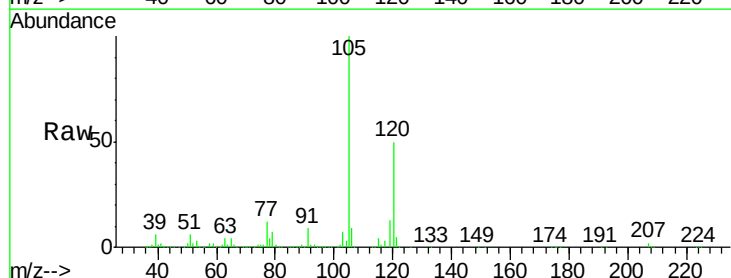
Acq: 23 Sep 2019 12:10

Tgt Ion: 105 Resp: 288856

Ion Ratio Lower Upper

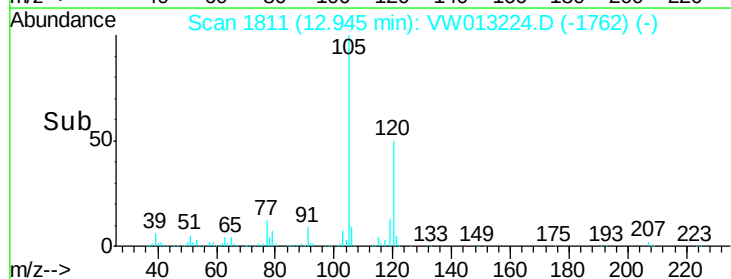
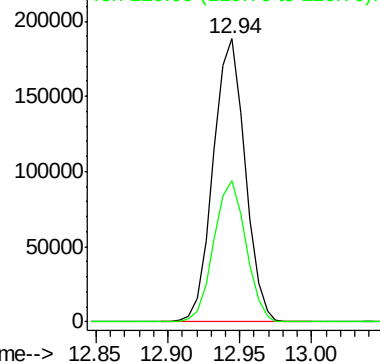
105 100

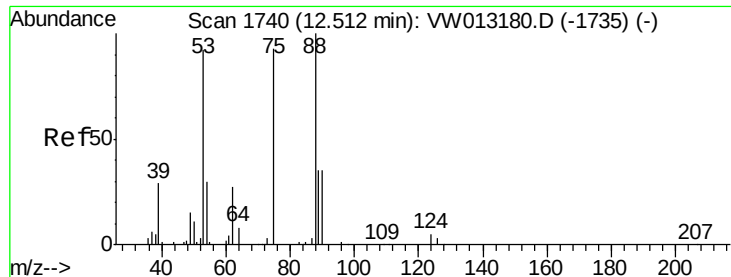
120 50.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





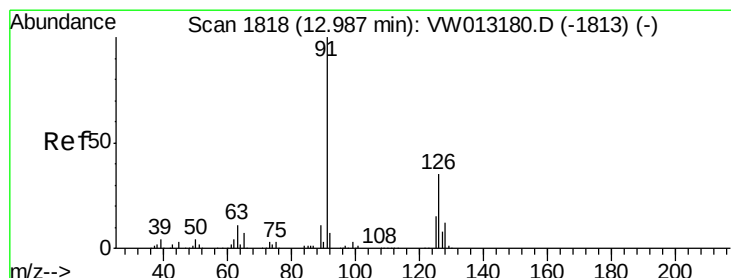
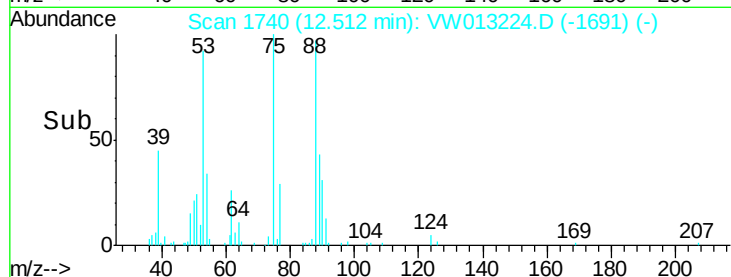
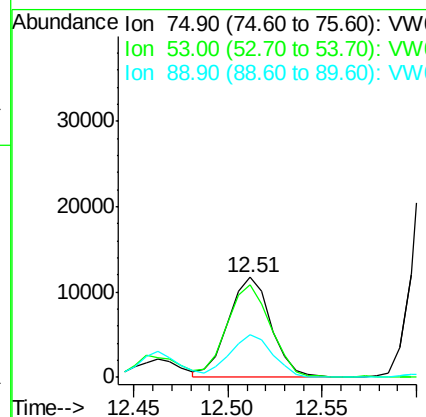
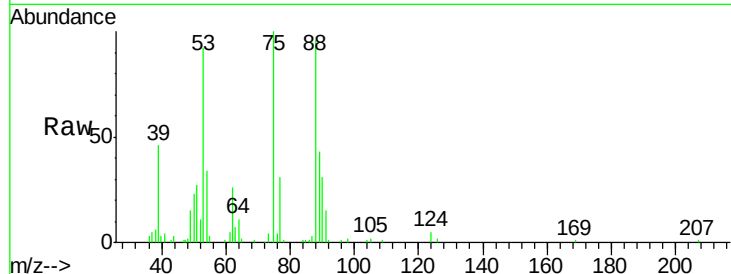
#81
trans-1,4-Dichloro-2-butene
Concen: 21.334 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	76.6	114.8
89	43.1	33.5	50.3

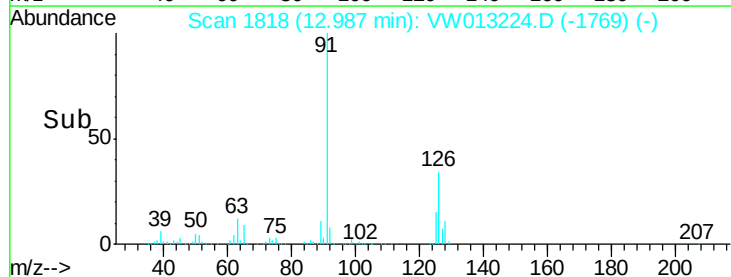
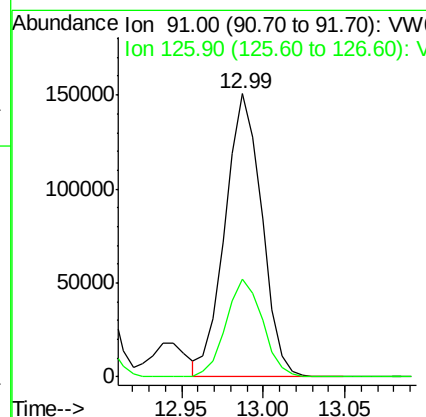
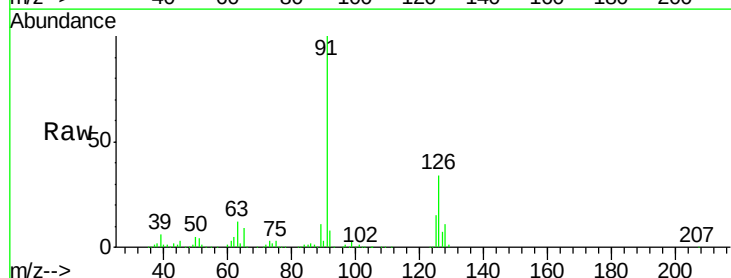
Manual Integrations
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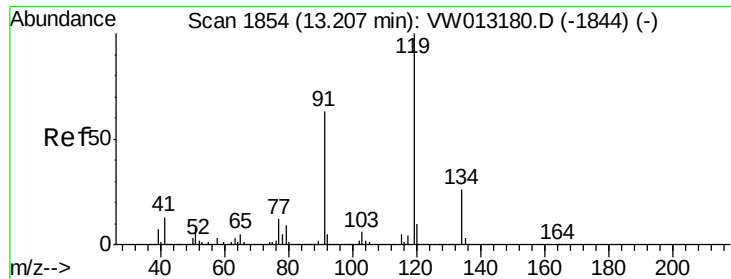
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#82
4-Chlorotoluene
Concen: 20.988 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.3	51.7





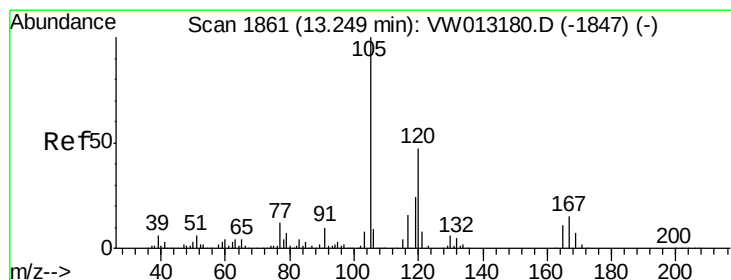
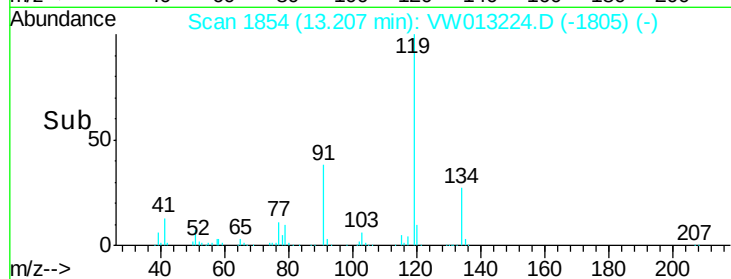
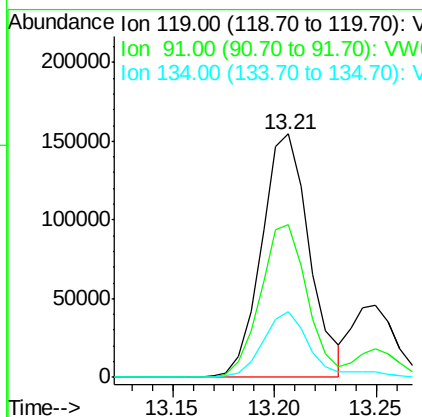
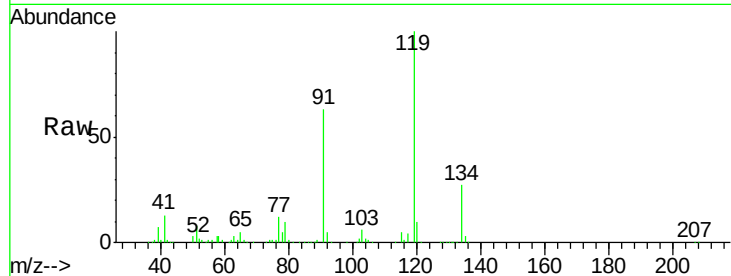
#83
 tert-Butylbenzene
 Concen: 21.072 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.7	92.1
134	27.2	12.6	37.6

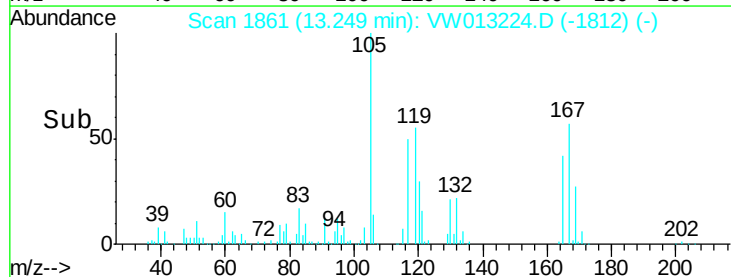
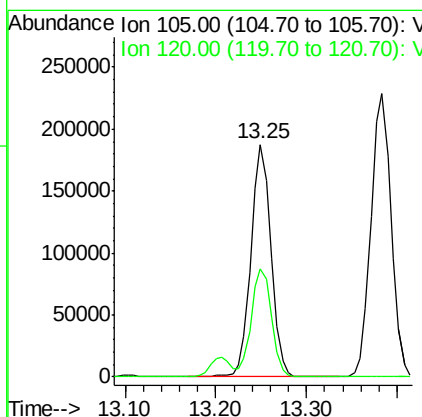
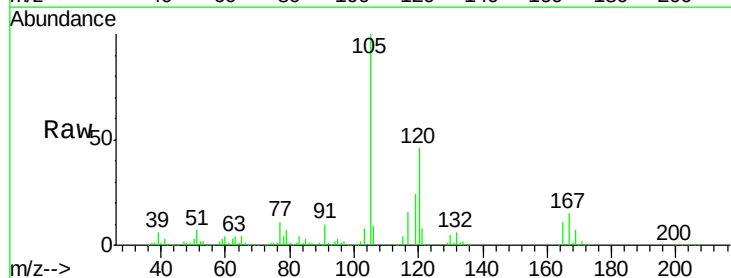
Manual Integrations
 APPROVED

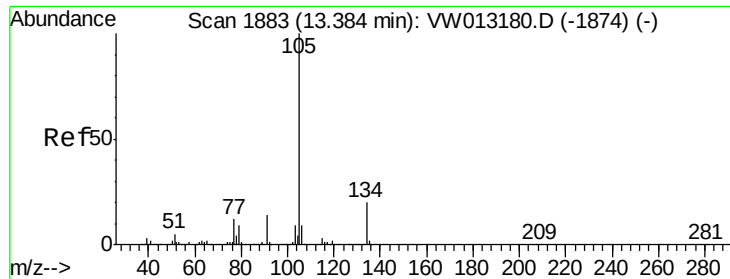
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.142 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 21.313 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Instrument :

MSVOA_W

ClientSampleID :

VW0923SBSD01

Tot Ion:105 Resp: 352871

Ion Ratio Lower Upper

105 100

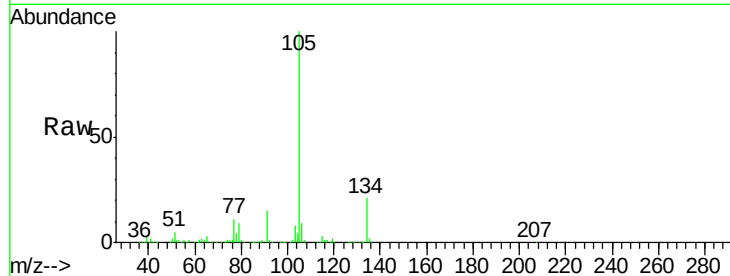
134 20.9 10.3 30.8

Manual Integrations

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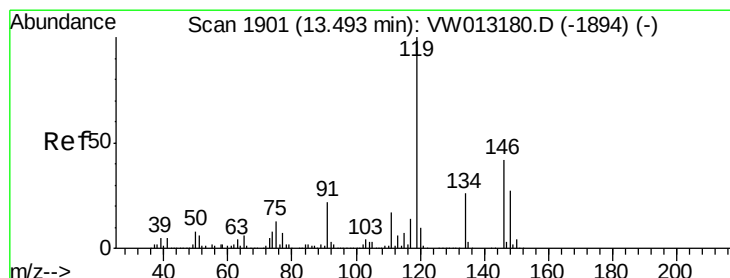
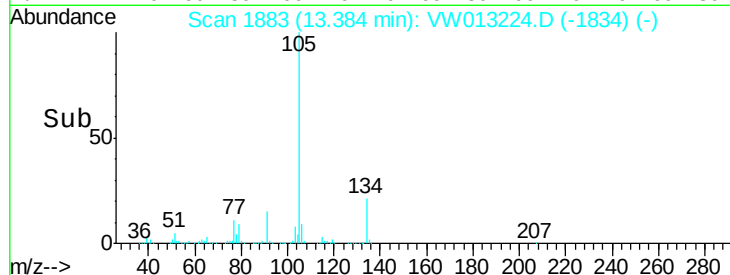
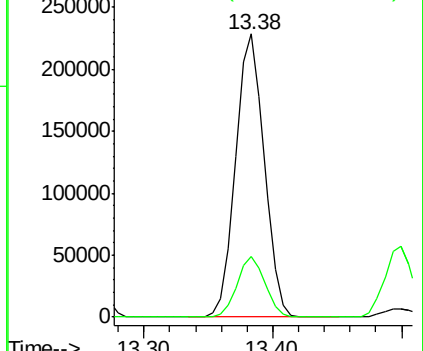
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.087 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

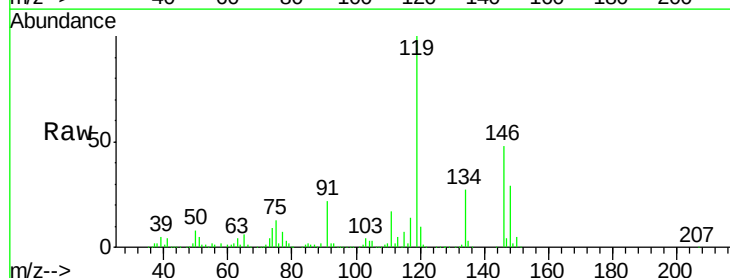
Tgt Ion:119 Resp: 323821

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

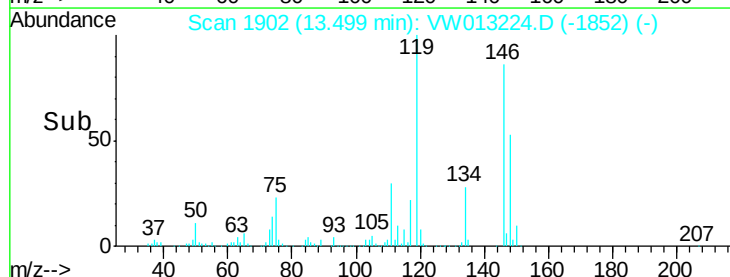
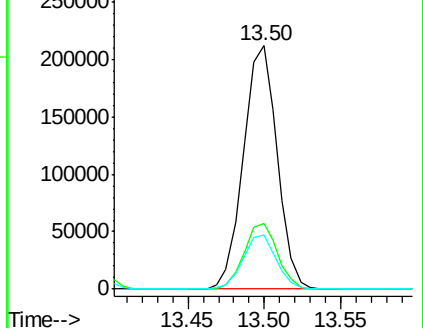
91 22.1 10.8 32.4

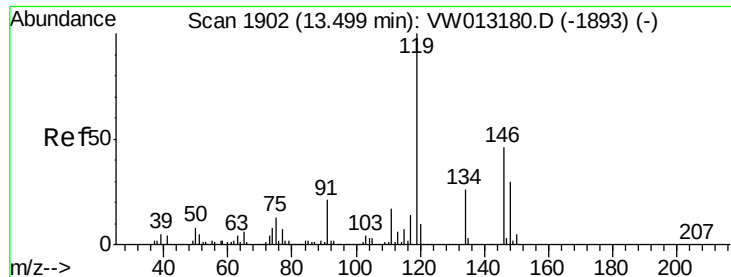


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.247 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

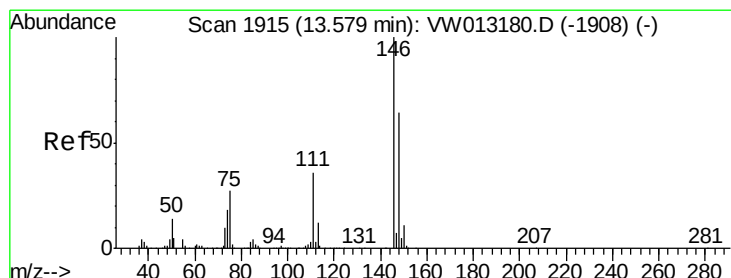
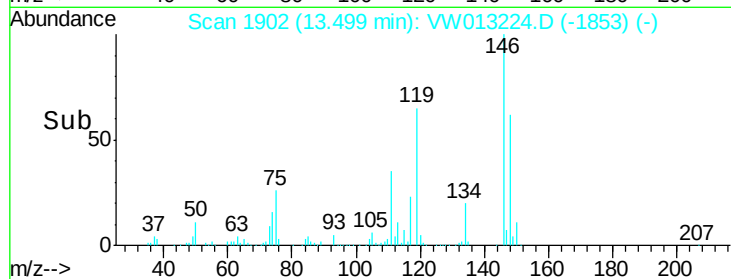
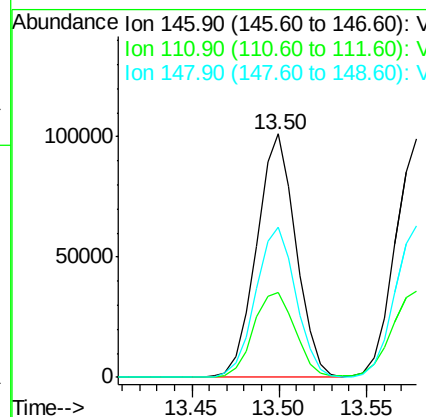
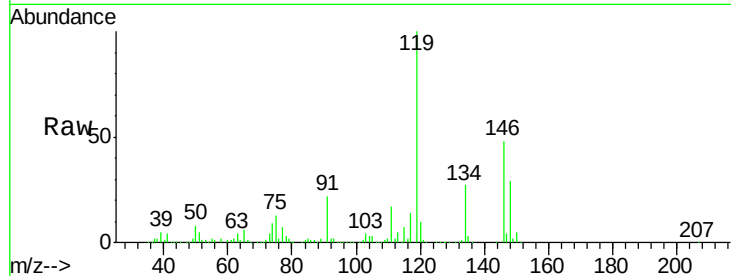
Instrument :
MSVOA_W

ClientSampleId :
VW0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	157723		
111	37.1	18.9	56.9	
148	63.3	31.9	95.5	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.593 ug/l

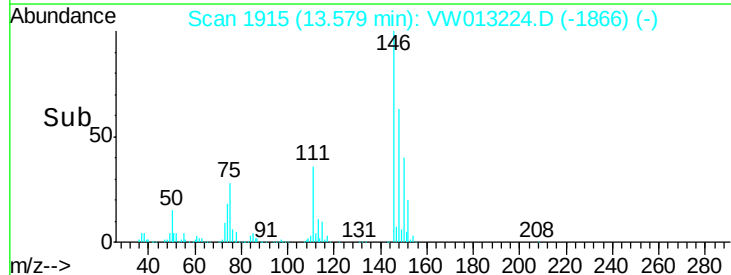
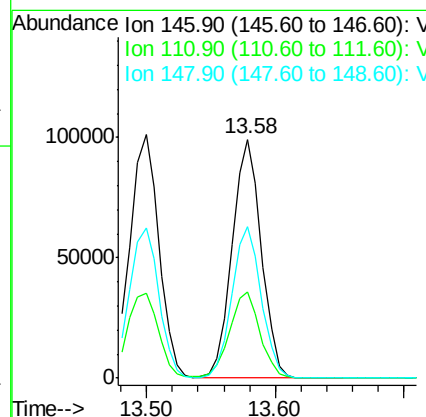
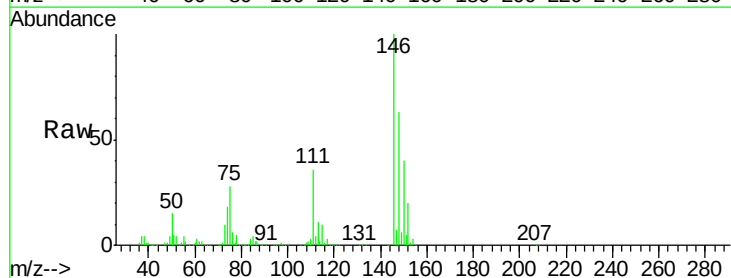
RT: 13.58 min Scan# 1915

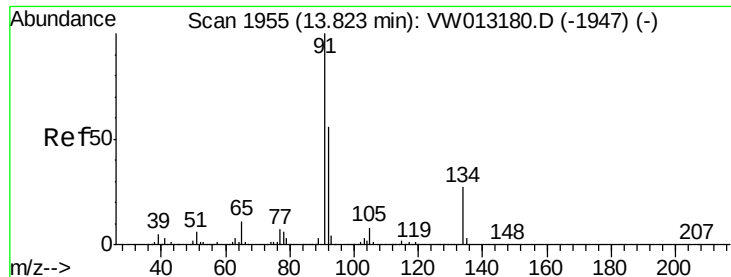
Delta R.T. -0.00 min

Lab File: VW013224.D

Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	157207		
111	38.0	18.4	55.0	
148	63.8	32.1	96.3	





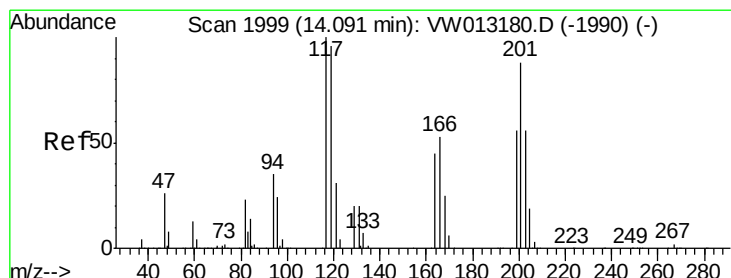
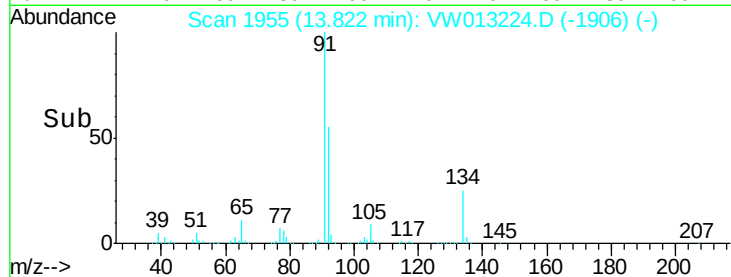
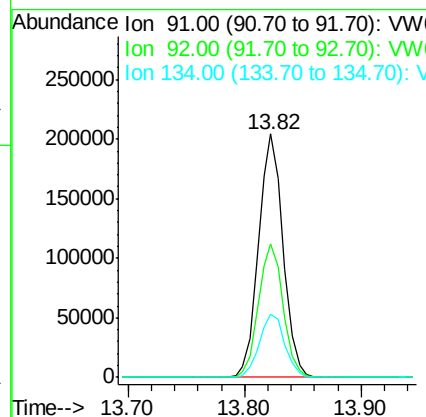
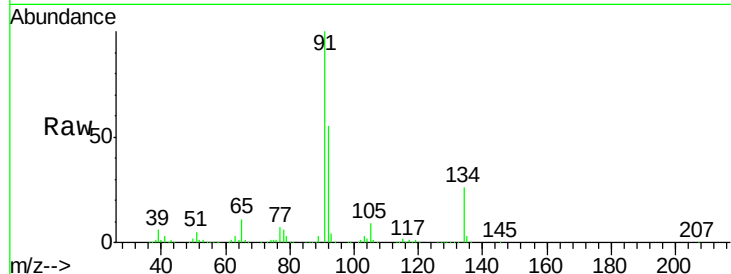
#89
n-Butylbenzene
Concen: 21.285 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	298467		
92	55.0		27.6	82.8
134	26.9		13.7	41.1

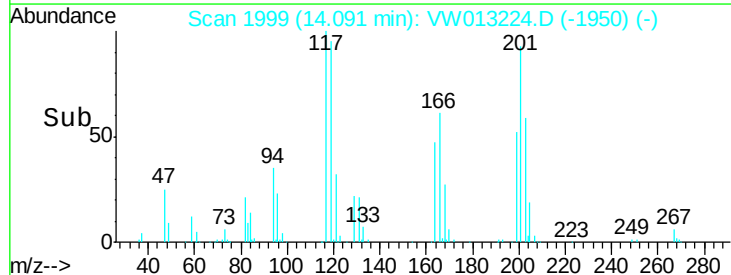
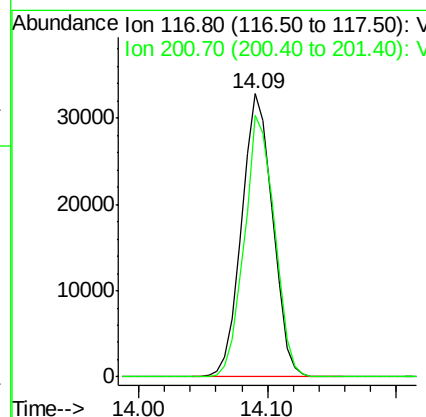
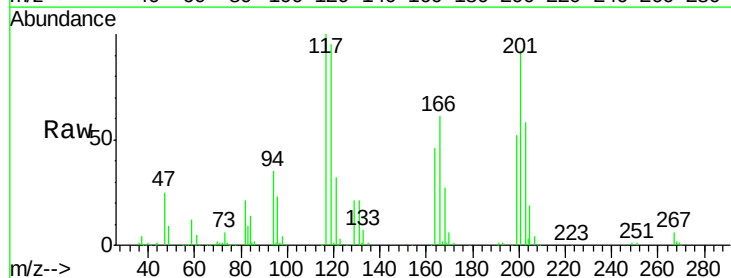
Manual Integrations
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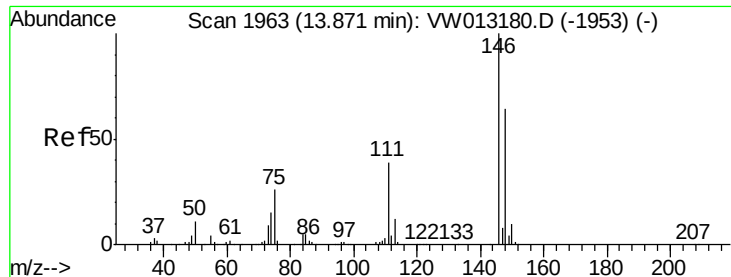
MMDadoda
9/25/2019 12:35:39 AM



#90
Hexachloroethane
Concen: 21.189 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	54663		
201	89.5		44.5	133.5





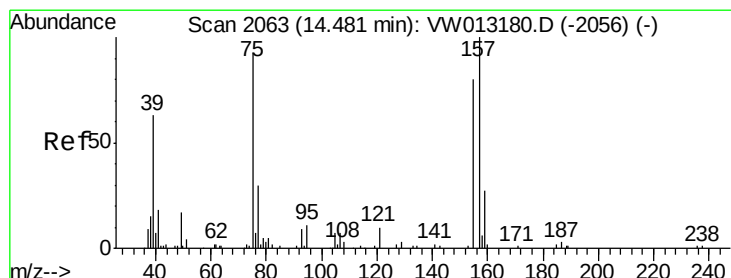
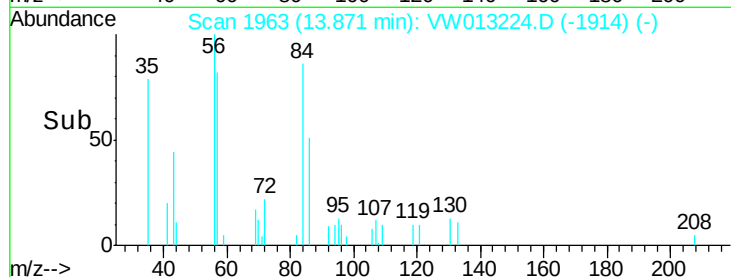
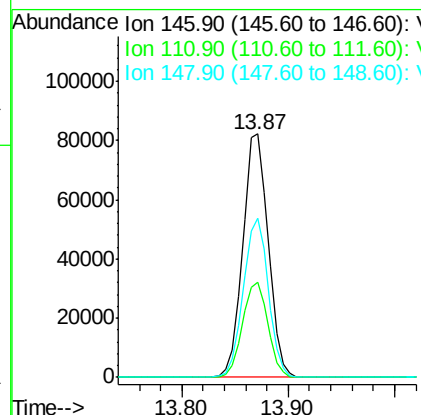
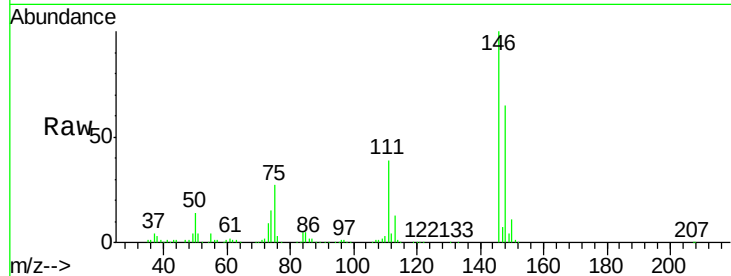
#91
 1,2-Dichlorobenzene
 Concen: 21.473 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	137900		
111	39.1	20.1	60.3	
148	64.3	32.0	96.0	

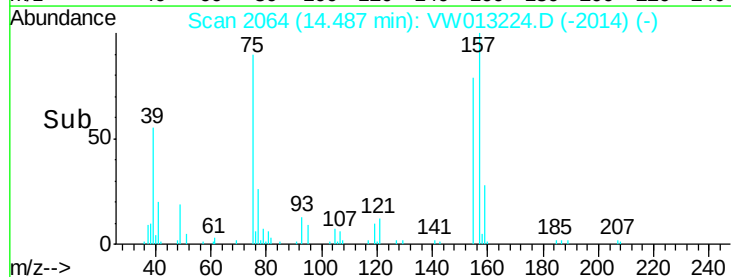
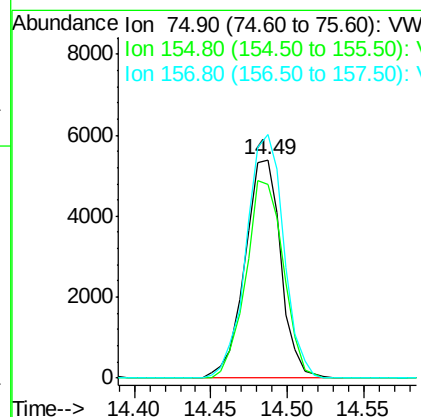
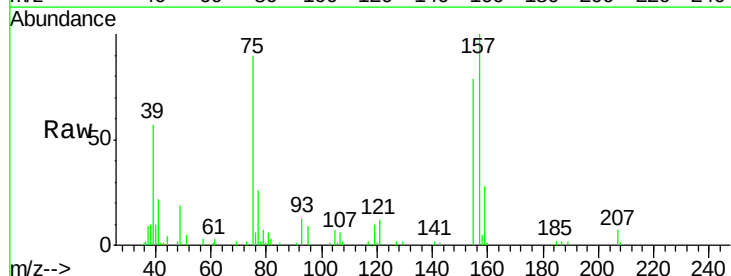
Manual Integrations
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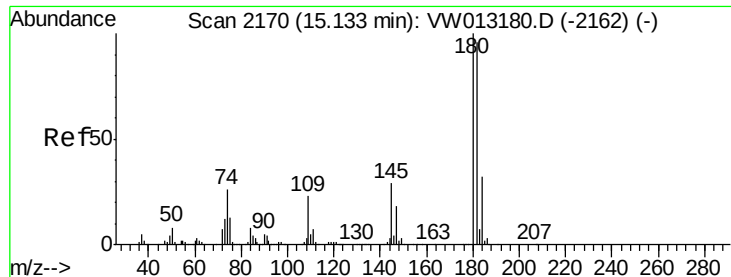
MMDadoda
 9/25/2019 12:35:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.145 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8804		
155	94.3	46.1	138.3	
157	116.3	60.4	181.2	





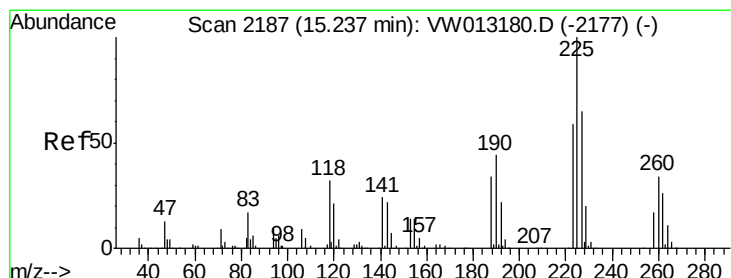
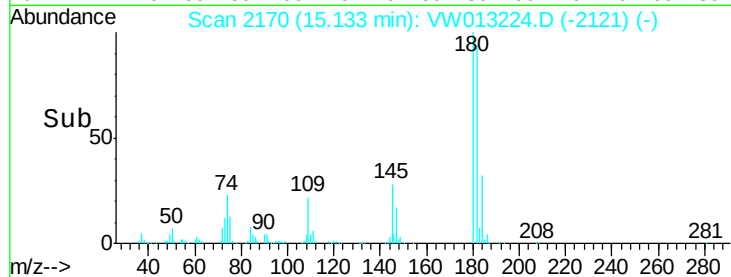
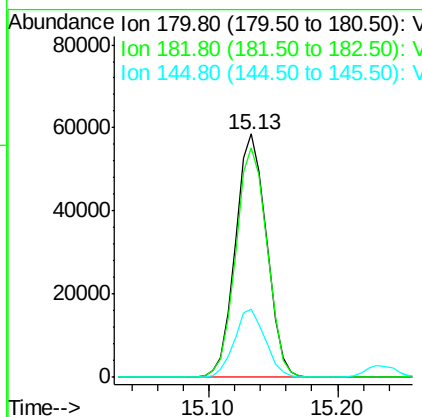
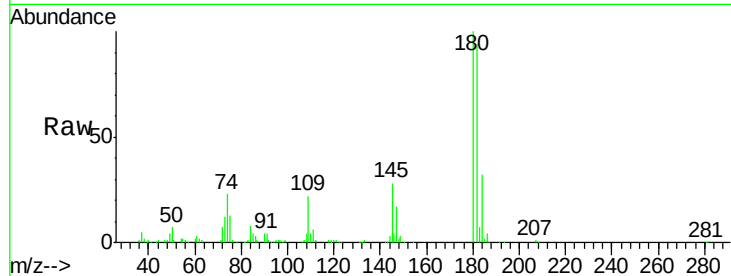
#93
 1,2,4-Trichlorobenzene
 Concen: 21.277 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97917		
182	95.4	47.3	142.0	
145	27.9	14.2	42.8	

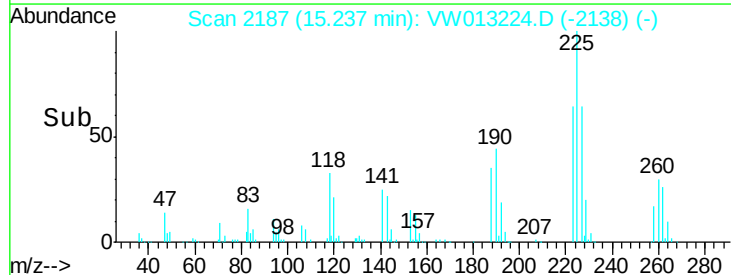
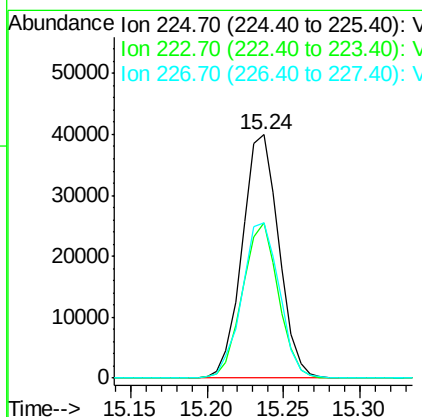
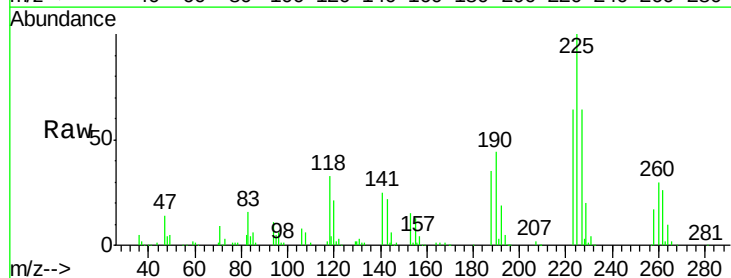
Manual Integrations
 APPROVED

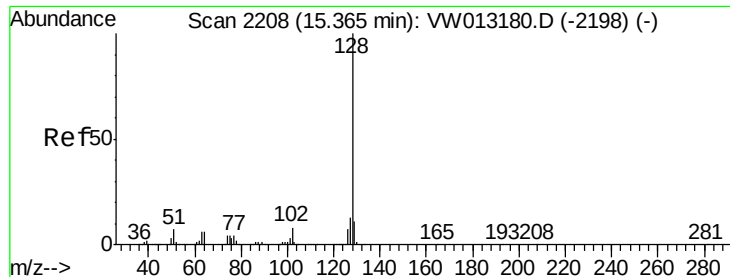
MMDadoda
 9/25/2019 12:35:39 AM



#94
 Hexachlorobutadiene
 Concen: 21.111 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013224.D
 Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66467		
223	62.5	30.6	91.8	
227	65.4	31.9	95.9	





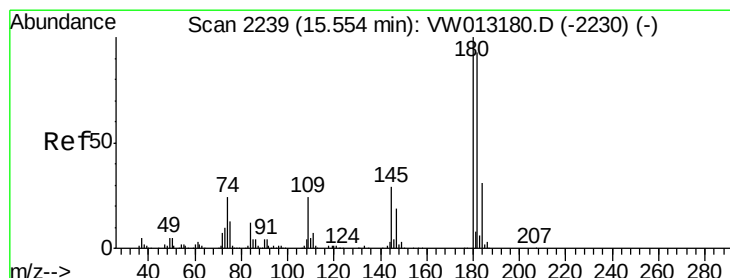
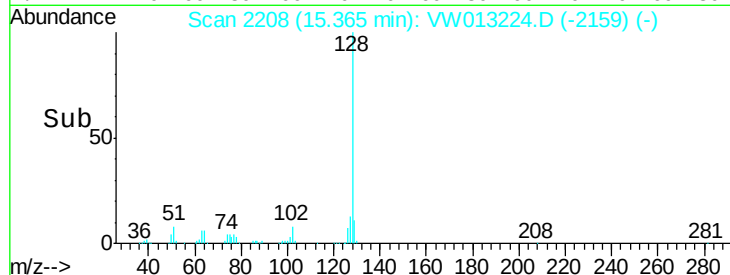
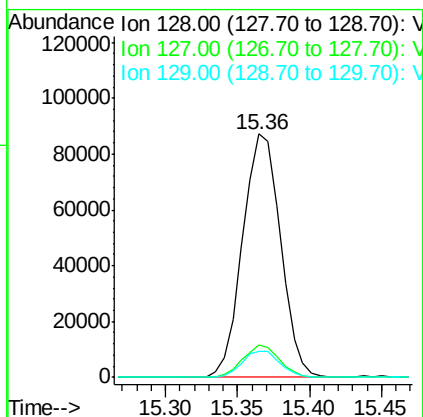
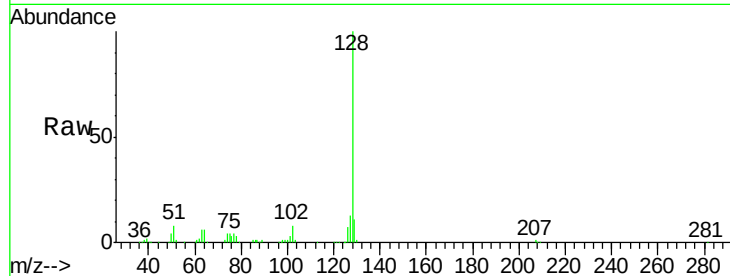
#95
Naphthalene
Concen: 21.173 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	159363		
127	12.9	10.6	15.8	
129	10.9	8.7	13.1	

Manual Integrations
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MMDadoda
9/25/2019 12:35:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.418 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013224.D
Acq: 23 Sep 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	85166		
182	93.4	47.9	143.7	
145	30.7	15.0	45.0	

