

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013200.D
 Acq On : 20 Sep 2019 23:36
 Operator : SY/VA
 Sample : VW0920SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:29:02 AM

Quant Time: Sep 21 05:40:46 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	361380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	533248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	459878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	233371	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	147675	50.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.14%	
35) Dibromofluoromethane	7.88	113	143023	48.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.54%	
50) Toluene-d8	10.32	98	593427	48.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.62	95	204934	48.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	39728	19.058	ug/l	99
3) Chloromethane	2.20	50	54729	20.424	ug/l	97
4) Vinyl Chloride	2.35	62	66822	19.343	ug/l	99
5) Bromomethane	2.76	94	44439	20.299	ug/l	93
6) Chloroethane	2.91	64	39677	19.485	ug/l	99
7) Trichlorofluoromethane	3.24	101	33463	16.799	ug/l	97
8) Diethyl Ether	3.67	74	35211	20.694	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61819	19.061	ug/l	97
10) Methyl Iodide	4.26	142	99622	19.813	ug/l	99
11) Tert butyl alcohol	5.18	59	26564	119.853	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	66425	19.779	ug/l	99
13) Acrolein	3.89	56	14659	86.340	ug/l	98
14) Allyl chloride	4.66	41	105611	19.759	ug/l	99
15) Acrylonitrile	5.36	53	75988	103.469	ug/l	94
16) Acetone	4.12	43	60455	90.893	ug/l	94
17) Carbon Disulfide	4.38	76	187768	19.344	ug/l	100
18) Methyl Acetate	4.66	43	46382	24.808	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	109673	21.308	ug/l	100
20) Methylene Chloride	4.91	84	78315	21.359	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	73924	20.366	ug/l	99
22) Diisopropyl ether	6.31	45	213462	21.002	ug/l	99
23) Vinyl Acetate	6.25	43	599213	99.378	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126204	20.578	ug/l	99
25) 2-Butanone	7.17	43	102283	102.441	ug/l	100
26) 2,2-Dichloropropane	7.16	77	74734	18.250	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	79827	20.839	ug/l	99
28) Bromochloromethane	7.51	49	40417	17.170	ug/l #	97
29) Tetrahydrofuran	7.53	42	65819	107.491	ug/l	99
30) Chloroform	7.67	83	122509	20.403	ug/l	98
31) Cyclohexane	7.95	56	125010	19.554	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	97481	20.045	ug/l	98
36) 1,1-Dichloropropene	8.08	75	102538	19.853	ug/l	98
37) Ethyl Acetate	7.25	43	46758	21.301	ug/l	99
38) Carbon Tetrachloride	8.06	117	89175	19.260	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	127257	19.173	ug/l	97
40) Benzene	8.32	78	293037	20.341	ug/l	100
41) Methacrylonitrile	7.48	41	27761	21.190	ug/l	96
42) 1,2-Dichloroethane	8.40	62	79476	20.522	ug/l	100
43) Isopropyl Acetate	8.42	43	83975	19.960	ug/l	100
44) Trichloroethene	9.09	130	79808	19.745	ug/l	92
45) 1,2-Dichloropropane	9.37	63	71095	20.213	ug/l	99
46) Dibromomethane	9.45	93	35014	20.505	ug/l	99
47) Bromodichloromethane	9.64	83	85769	19.740	ug/l	95
48) Methyl methacrylate	9.43	41	40486	20.465	ug/l	98
49) 1,4-Dioxane	9.46	88	10044	391.852	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	221540	105.040	ug/l	99
52) Toluene	10.38	92	186742	20.226	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	87597	19.623	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	107804	19.862	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	53352	20.903	ug/l	97
56) Ethyl methacrylate	10.65	69	70069	20.977	ug/l	99
57) 1,3-Dichloropropane	10.93	76	91994	20.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	160846	104.016	ug/l	100
59) 2-Hexanone	10.97	43	145722	100.425	ug/l	100
60) Dibromochloromethane	11.13	129	59216	20.433	ug/l	99
61) 1,2-Dibromoethane	11.23	107	51523	21.232	ug/l	99
64) Tetrachloroethene	10.86	164	73497	21.064	ug/l	99
65) Chlorobenzene	11.66	112	192435	20.039	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	66821	20.368	ug/l	98
67) Ethyl Benzene	11.73	91	349565	20.090	ug/l	100
68) m/p-Xylenes	11.83	106	268853	40.548	ug/l	100
69) o-Xylene	12.16	106	124390	20.178	ug/l	99
70) Styrene	12.18	104	216555	20.462	ug/l	100
71) Bromoform	12.35	173	35435	20.444	ug/l #	99
73) Isopropylbenzene	12.46	105	341162	19.790	ug/l	100
74) N-amyl acetate	12.27	43	76295	19.944	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	59817	20.747	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	45809m	22.227	ug/l	
77) Bromobenzene	12.74	156	82909	20.295	ug/l	98
78) n-propylbenzene	12.80	91	396942	19.671	ug/l	100
79) 2-Chlorotoluene	12.89	91	229042	20.260	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	290411	20.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18178	19.792	ug/l	100
82) 4-Chlorotoluene	12.99	91	236709	19.855	ug/l	98
83) tert-Butylbenzene	13.21	119	252144	19.824	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	287810	19.959	ug/l	99
85) sec-Butylbenzene	13.38	105	346866	19.780	ug/l	100
86) p-Isopropyltoluene	13.49	119	321951	19.794	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	157653	20.052	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	155184	20.125	ug/l	99
89) n-Butylbenzene	13.82	91	288783	19.445	ug/l	100
90) Hexachloroethane	14.09	117	52679	19.280	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	139297	20.479	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8805	19.966	ug/l	96

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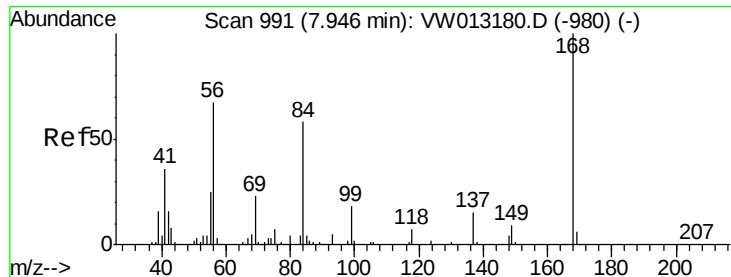
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	95582	19.610	ug/l	99
94) Hexachlorobutadiene	15.24	225	62654	18.789	ug/l	98
95) Naphthalene	15.36	128	159447	20.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	81834	19.431	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: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBSD02

Tot Ion:168 Resp: 361380

Ion Ratio Lower Upper

168 100

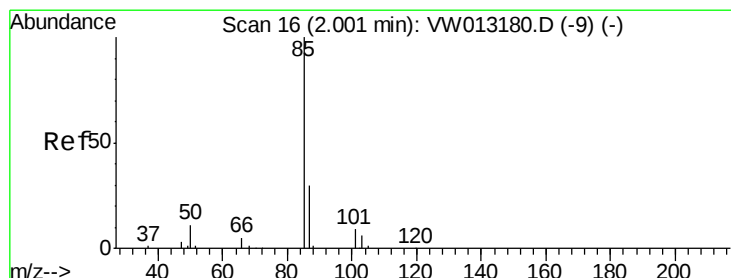
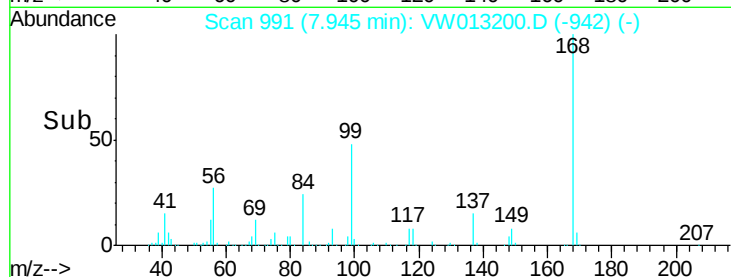
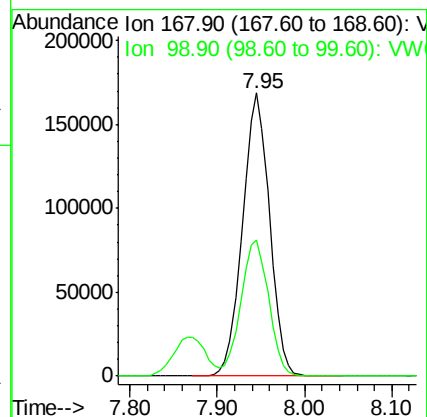
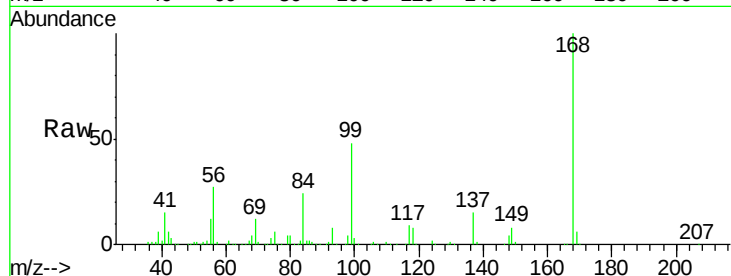
99 48.2 40.2 60.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.058 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013200.D

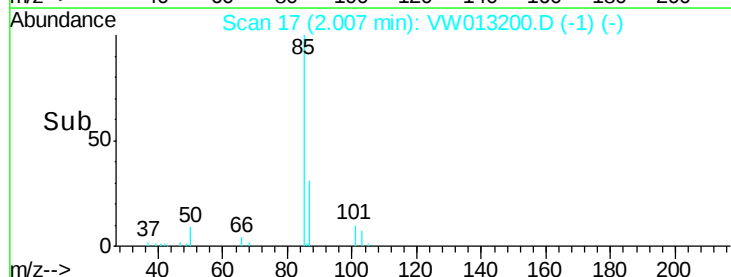
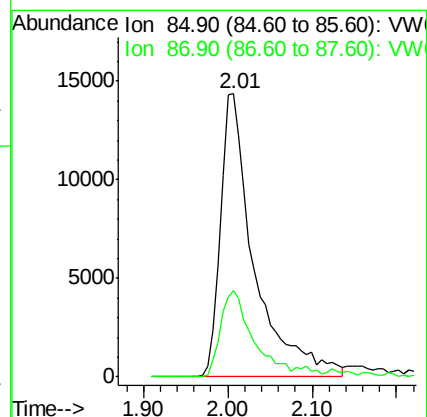
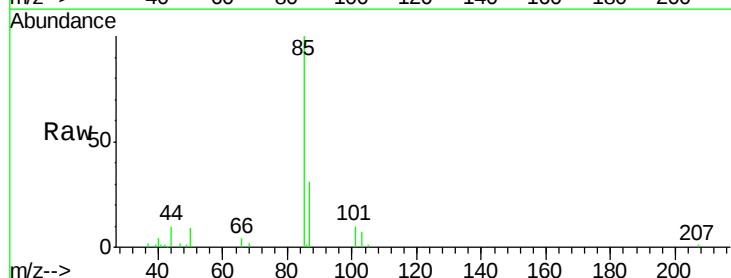
Acq: 20 Sep 2019 23:36

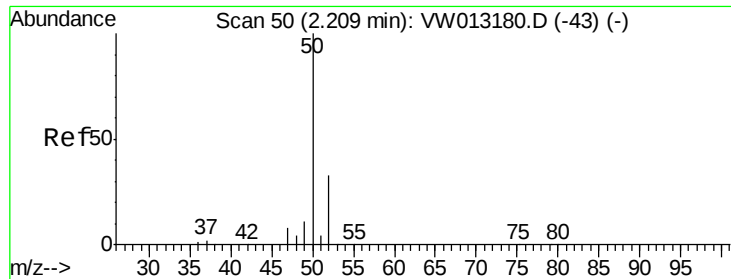
Tgt Ion: 85 Resp: 39728

Ion Ratio Lower Upper

85 100

87 30.6 15.1 45.3





#3

Chloromethane

Concen: 20.424 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBSD02

Tot Ion: 50 Resp: 54729

Ion Ratio Lower Upper

50 100

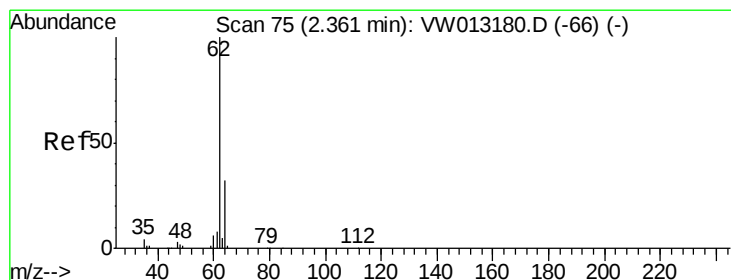
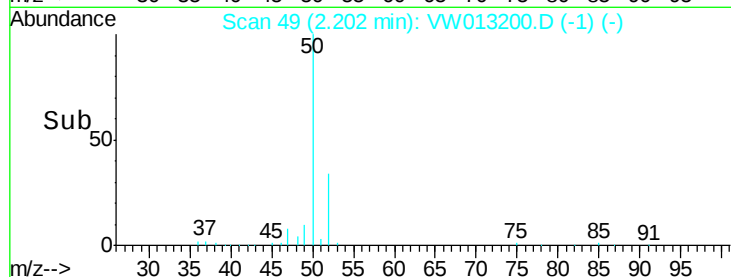
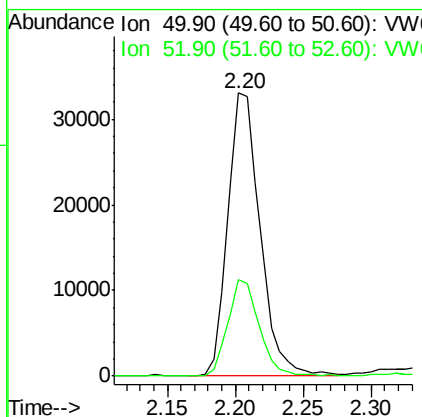
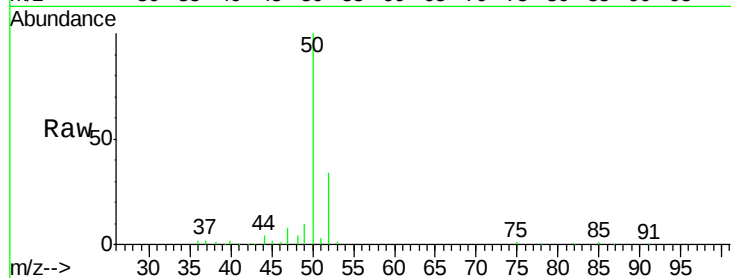
52 34.2 26.1 39.1

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#4

Vinyl Chloride

Concen: 19.343 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013200.D

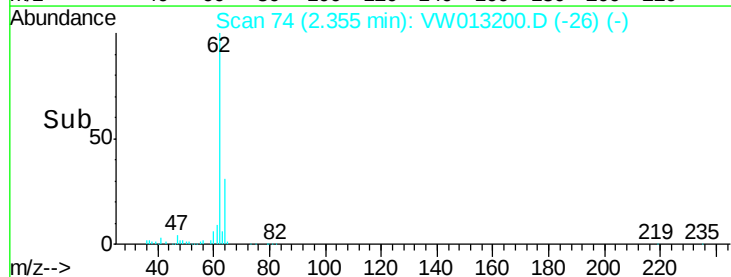
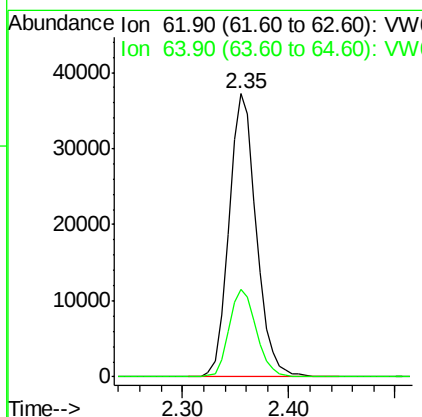
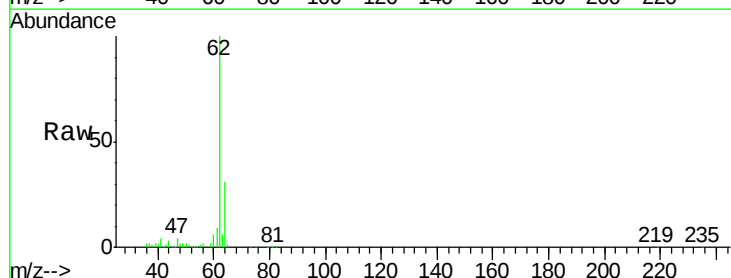
Acq: 20 Sep 2019 23:36

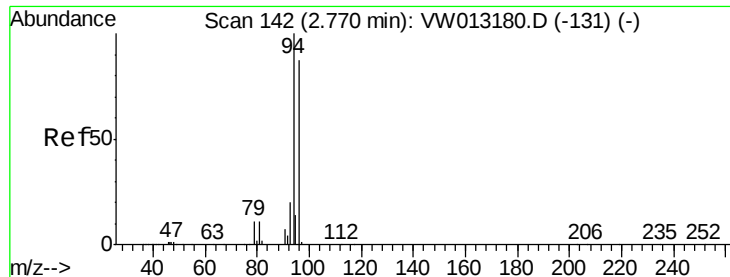
Tgt Ion: 62 Resp: 66822

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 20.299 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

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Tot Ion: 94 Resp: 44439

Ion Ratio Lower Upper

94 100

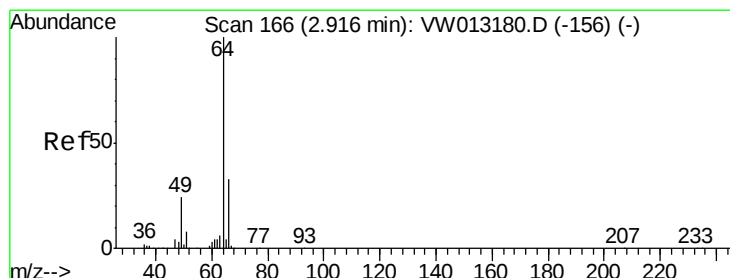
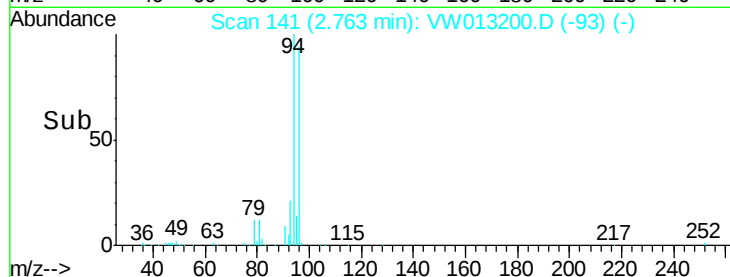
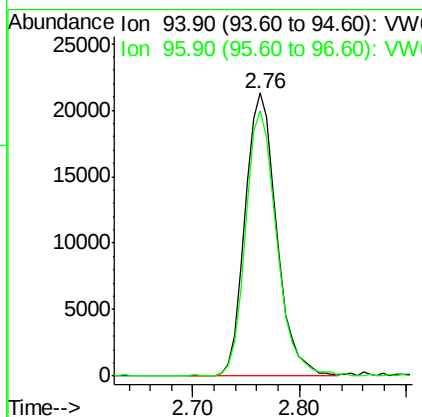
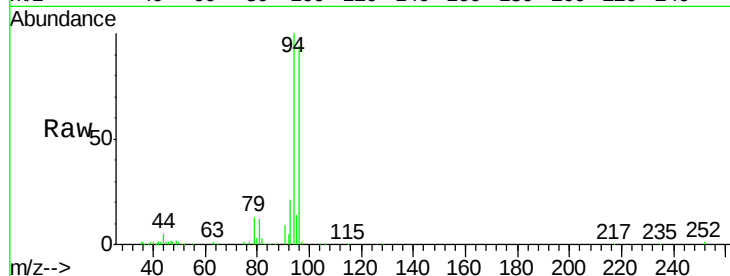
96 93.6 69.7 104.5

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#6

Chloroethane

Concen: 19.485 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013200.D

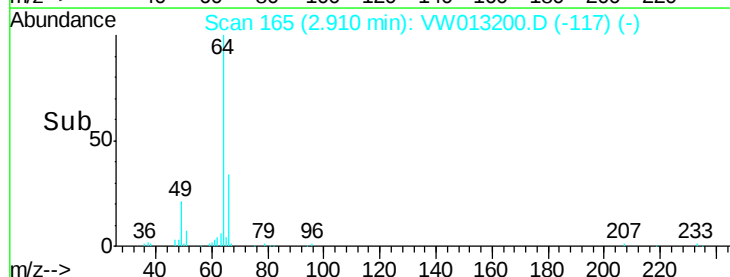
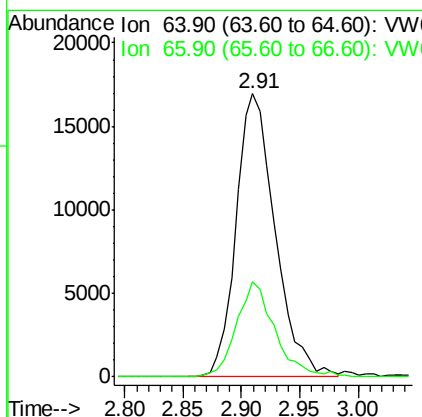
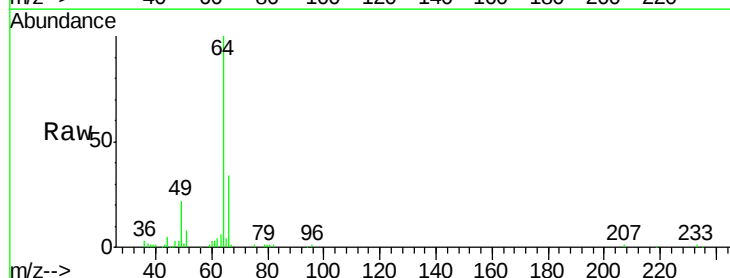
Acq: 20 Sep 2019 23:36

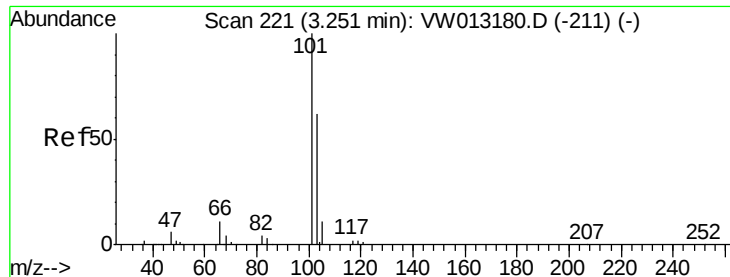
Tgt Ion: 64 Resp: 39677

Ion Ratio Lower Upper

64 100

66 33.6 26.6 39.8





#7

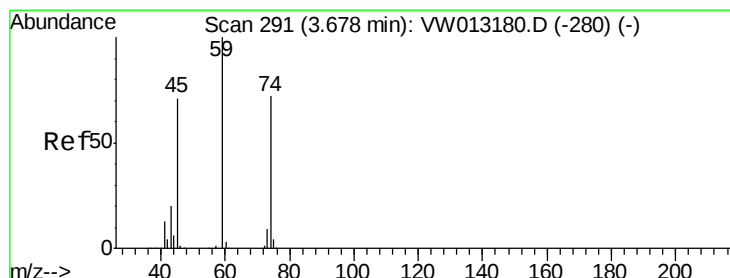
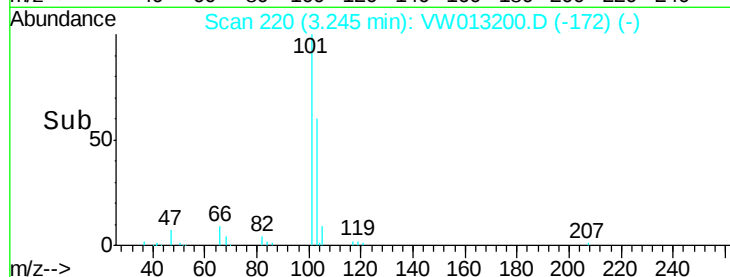
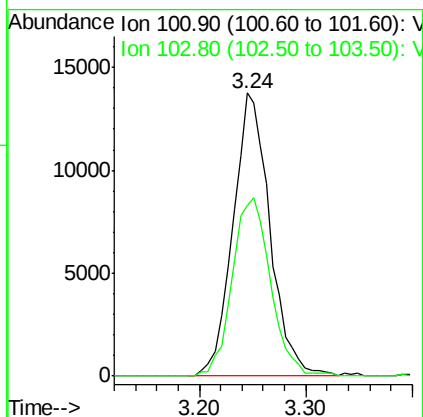
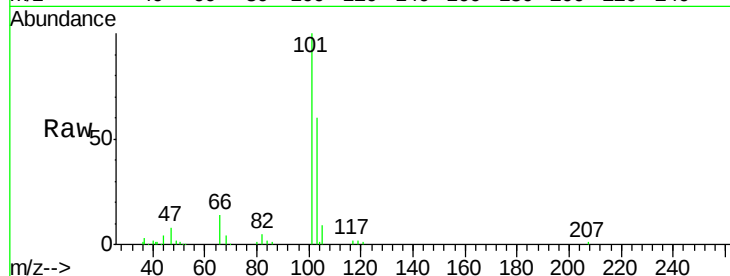
Trichlorofluoromethane
 Concen: 16.799 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
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 ClientSampleId :
 VW0920SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	49.7	74.5

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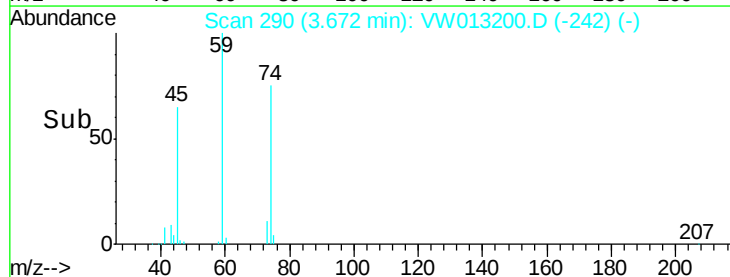
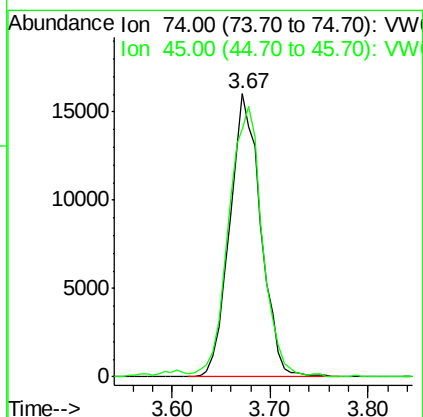
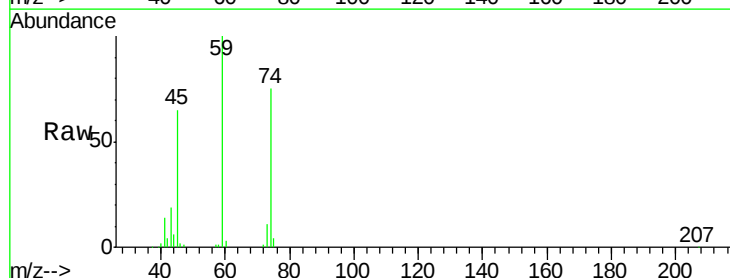
MMDadoda
 9/24/2019 5:29:02 AM

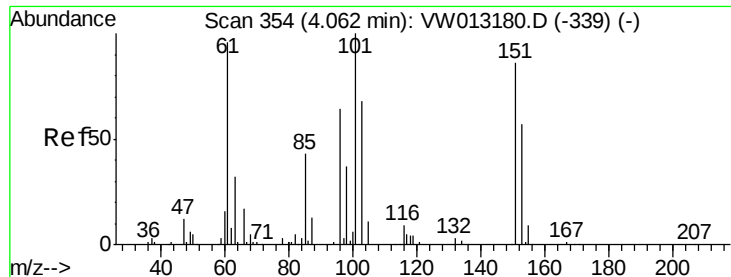


#8

Diethyl Ether
 Concen: 20.694 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.061 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

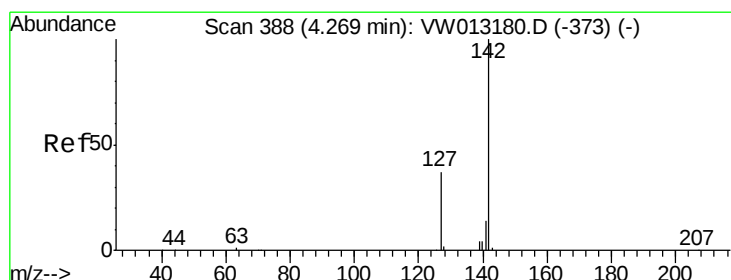
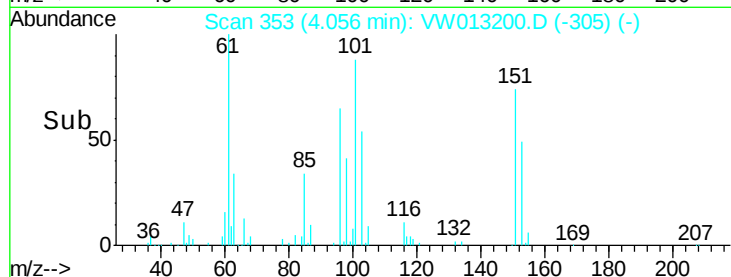
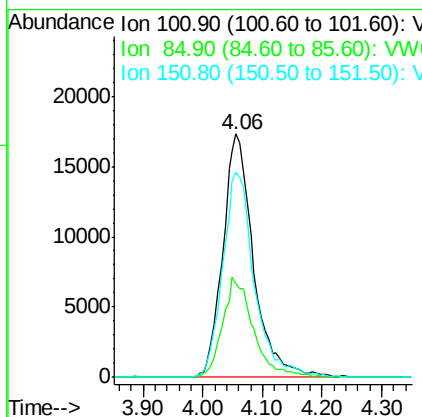
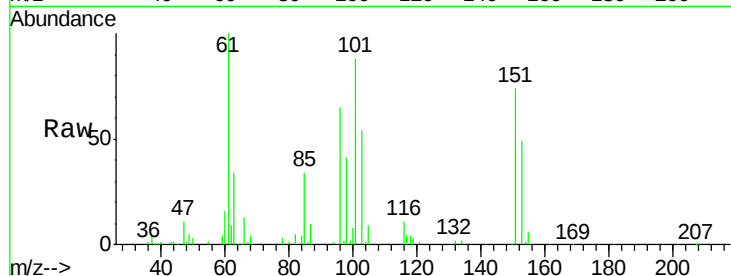
ClientSampleId :

VW0920SBS02

Tot Ion:	101	Resp:	61819
Ion	Ratio	Lower	Upper
101	100		
85	41.1	33.4	50.0
151	87.3	66.9	100.3

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#10

Methyl Iodide

Concen: 19.813 ug/l

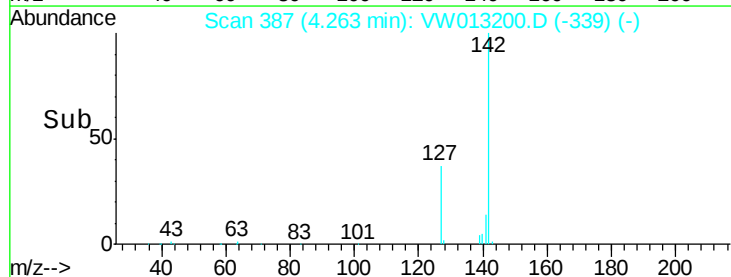
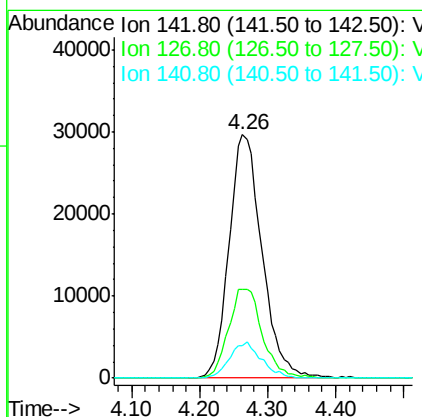
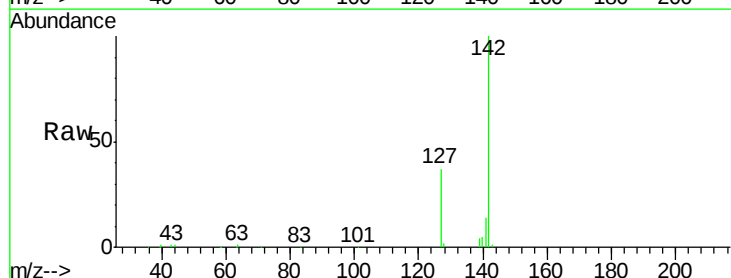
RT: 4.26 min Scan# 387

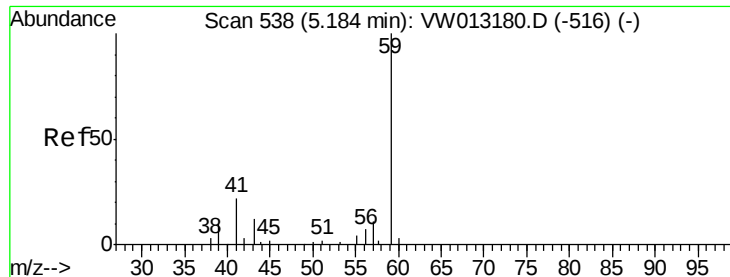
Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Tgt Ion:	142	Resp:	99622
Ion	Ratio	Lower	Upper
142	100		
127	37.5	30.9	46.3
141	14.4	11.7	17.5





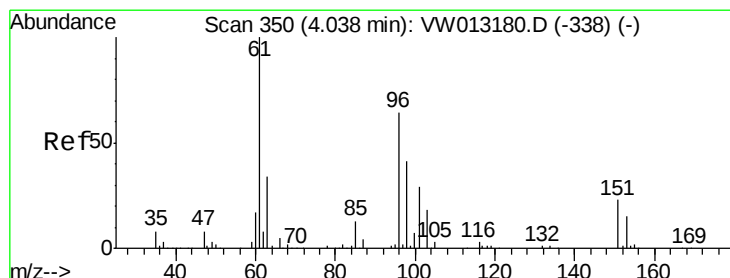
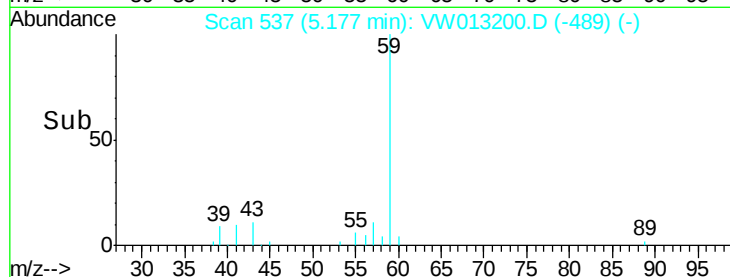
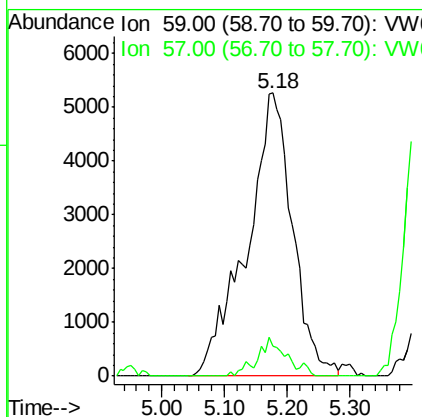
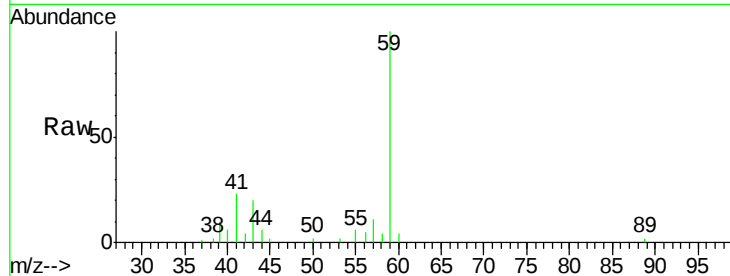
#11
Tert butyl alcohol
Concen: 119.853 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion	59	57	Ratio	100	5.1	Resp	26564	Lower	8.2	Upper	12.2#
Ion	59	57	Ratio	100	5.1	Resp	26564	Lower	8.2	Upper	12.2#

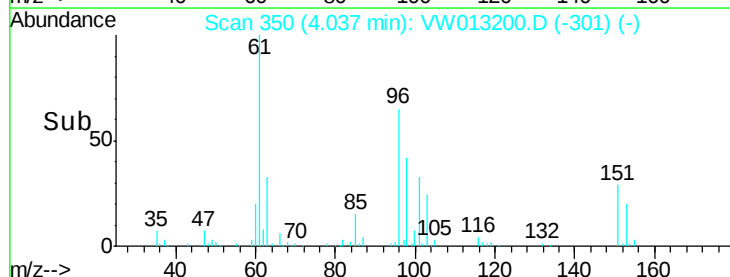
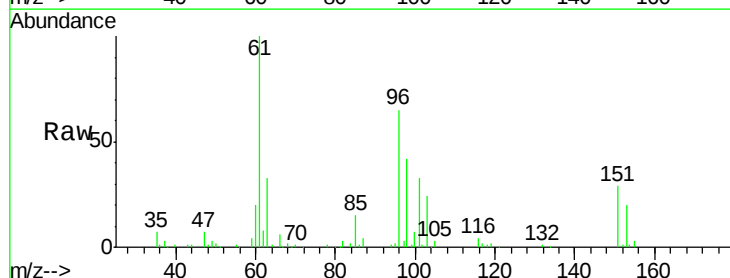
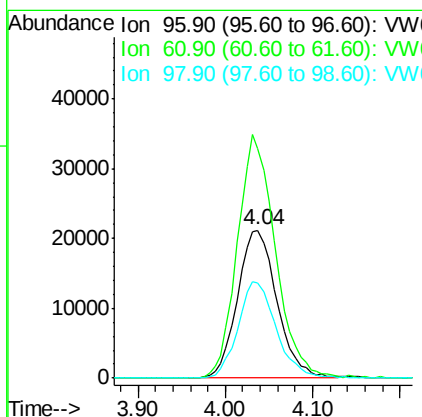
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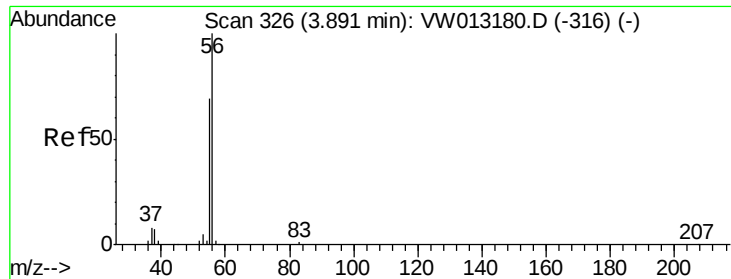
MMDadoda
9/24/2019 5:29:02 AM



#12
1,1-Dichloroethene
Concen: 19.779 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	96	61	98	Ratio	100	154.6	64.3	Resp	66425	Lower	125.1	50.8	Upper	187.7	76.2
Ion	96	61	98	Ratio	100	154.6	64.3	Resp	66425	Lower	125.1	50.8	Upper	187.7	76.2





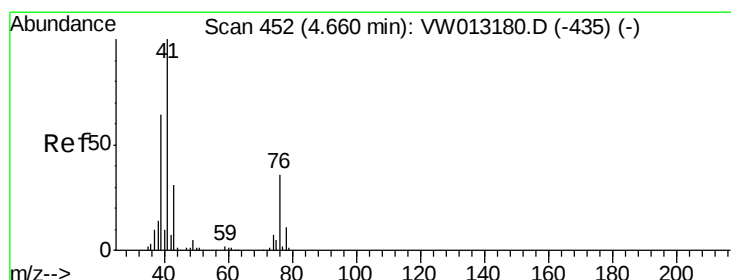
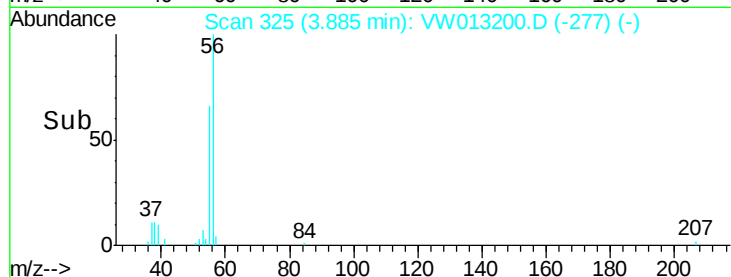
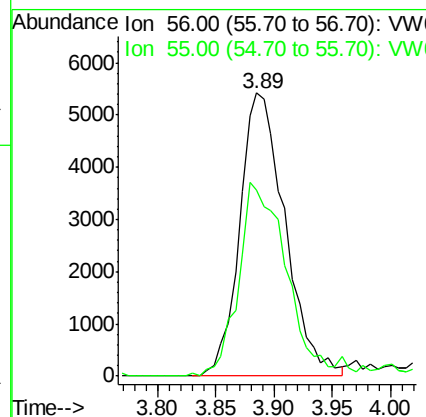
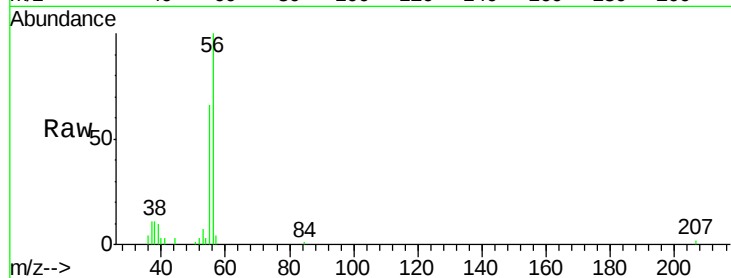
#13
 Acrolein
 Concen: 86.340 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

Tot Ion	56	Resp	14659
Ion Ratio	100	Lower	Upper
55	71.0	55.4	83.0

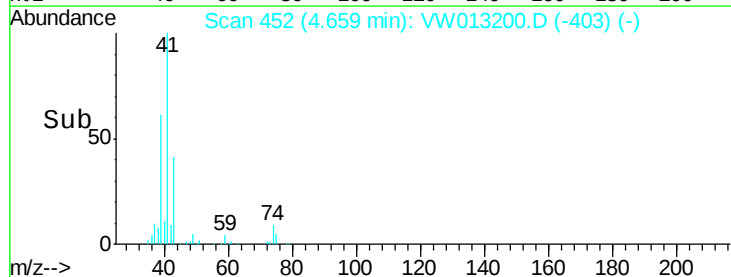
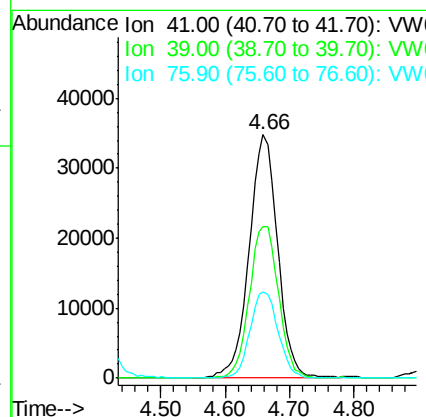
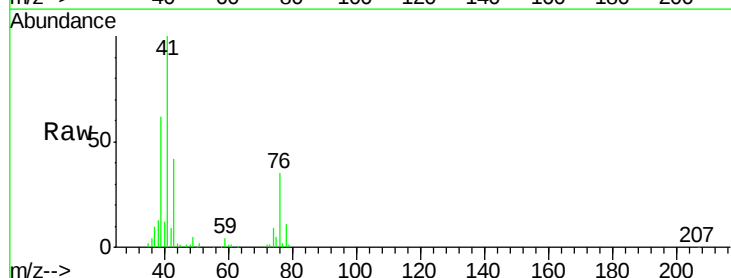
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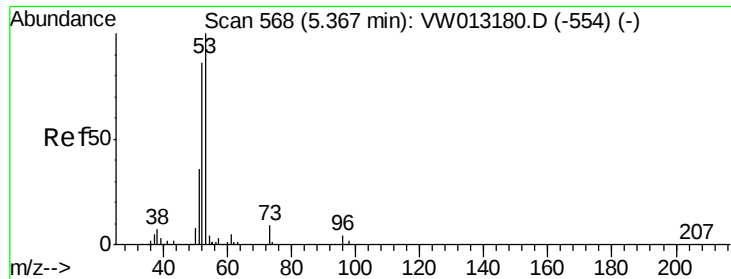
MMDadoda
 9/24/2019 5:29:02 AM



#14
 Allyl chloride
 Concen: 19.759 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion	41	Resp	105611
Ion Ratio	100	Lower	Upper
39	63.6	51.0	76.4
76	34.8	28.4	42.6





#15

Acrylonitrile

Concen: 103.469 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

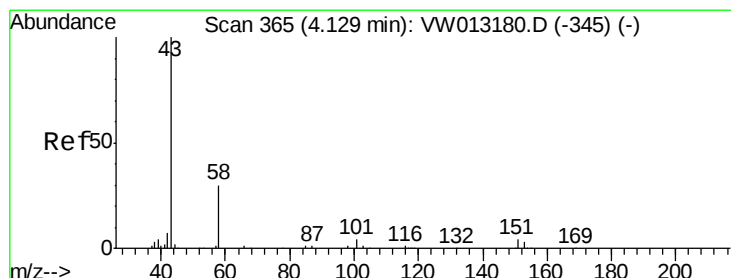
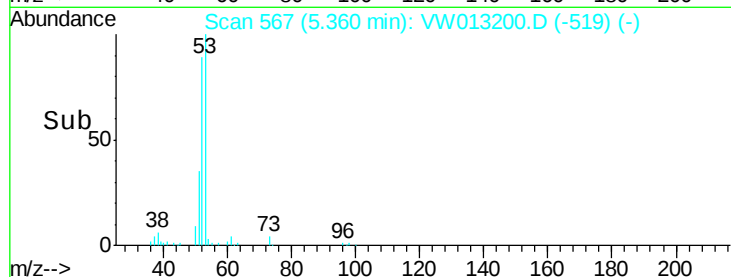
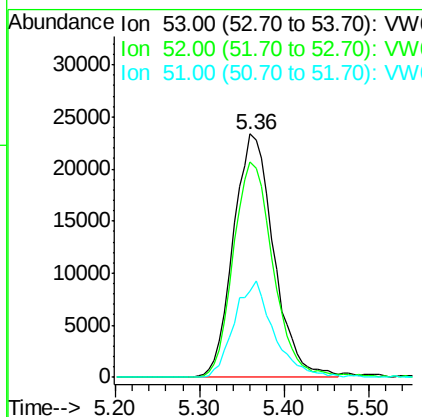
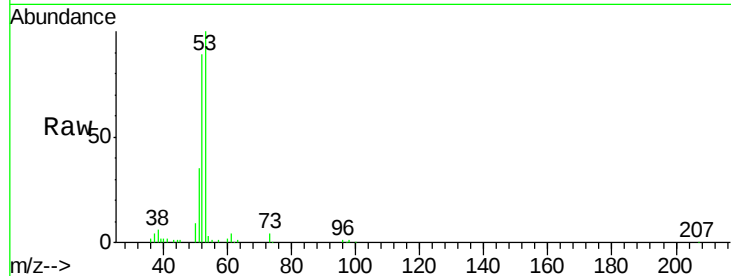
ClientSampleId :

VW0920SBS02

Tot Ion:	53	Resp:	75988
Ion	Ratio	Lower	Upper
53	100		
52	87.7	65.3	97.9
51	38.6	29.0	43.4

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#16

Acetone

Concen: 90.893 ug/l

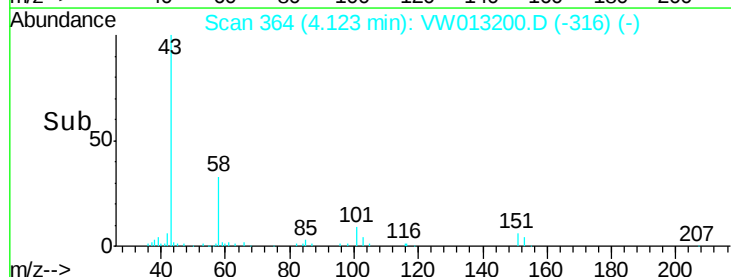
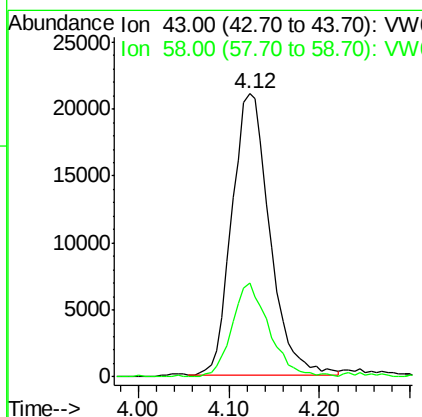
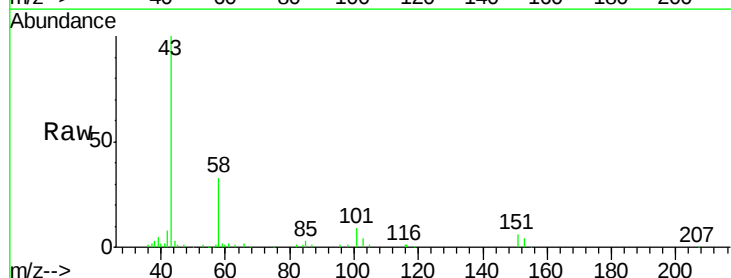
RT: 4.12 min Scan# 364

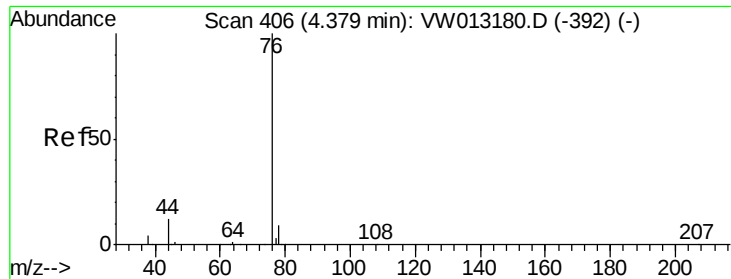
Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Tgt Ion:	43	Resp:	60455
Ion	Ratio	Lower	Upper
43	100		
58	33.5	24.1	36.1





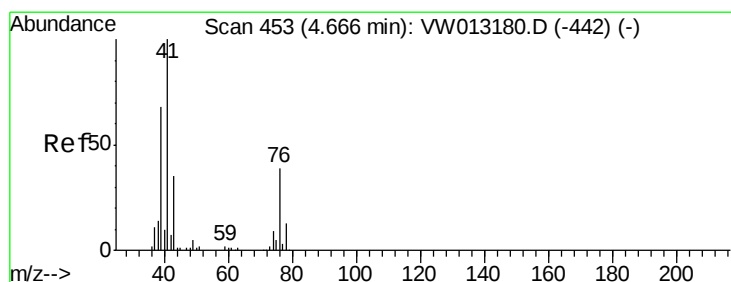
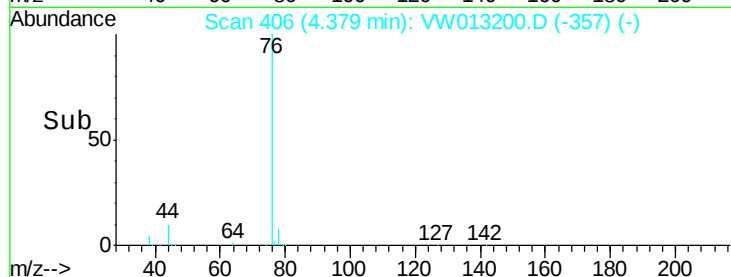
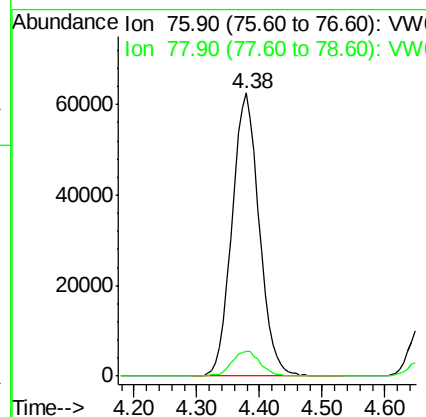
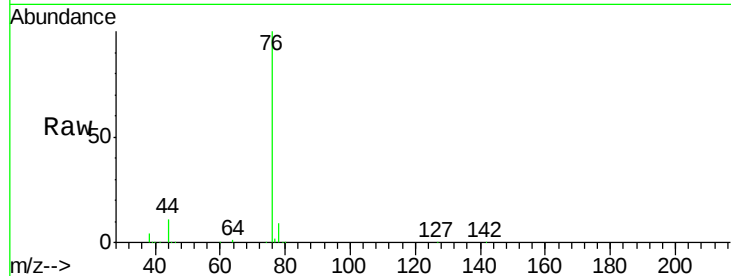
#17
Carbon Disulfide
Concen: 19.344 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

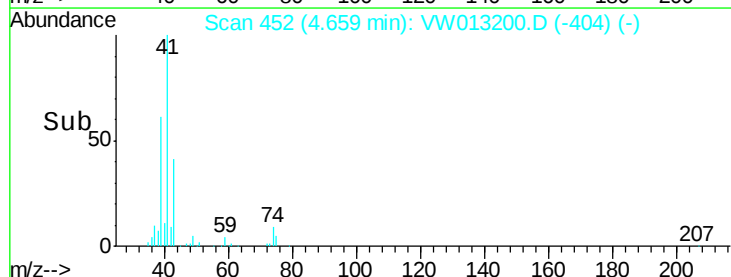
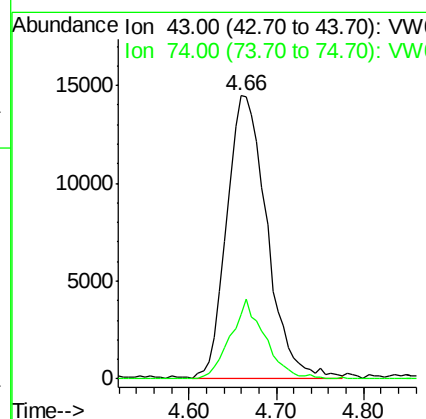
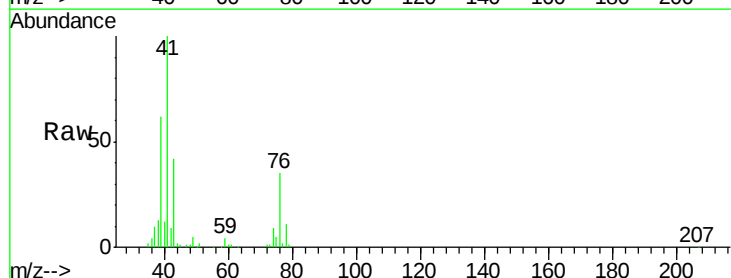
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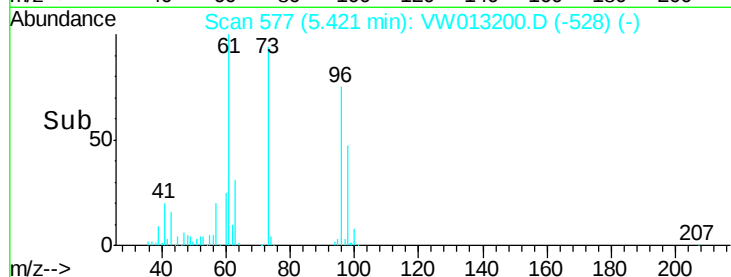
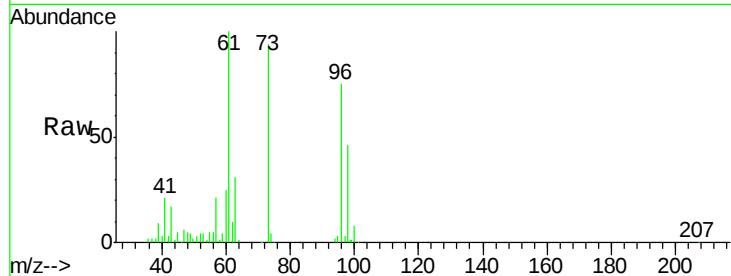
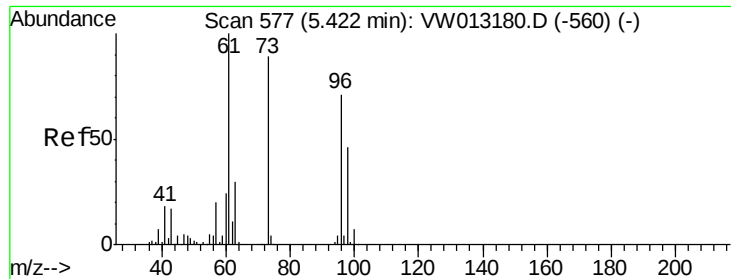
MMDadoda
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#18
Methyl Acetate
Concen: 24.808 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.3	28.9





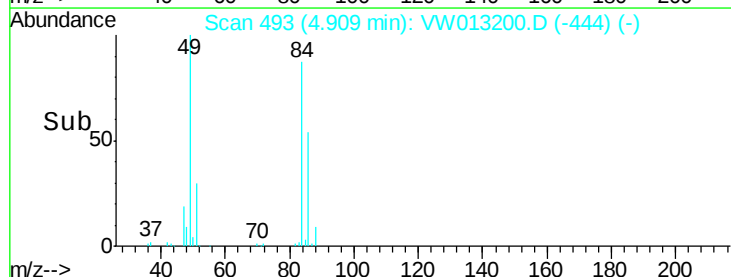
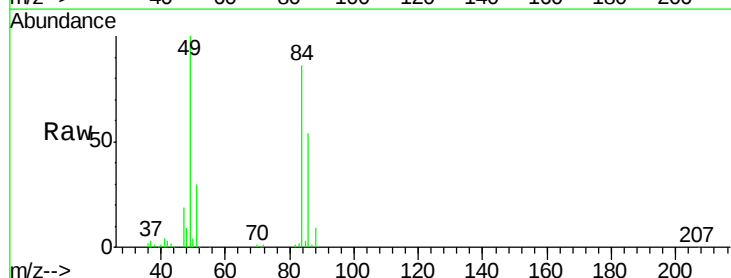
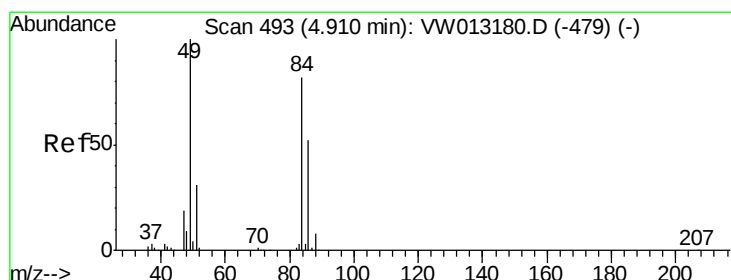
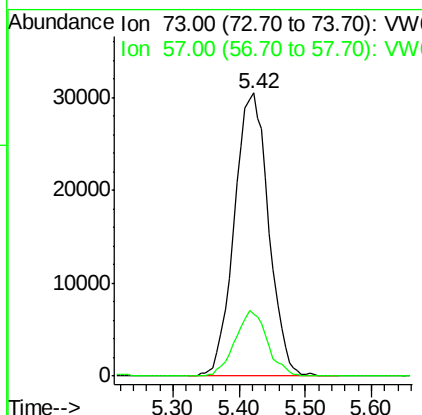
#19
Methvl tert-butvl Ether
Concen: 21.308 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tot Ion: 73 Resp: 109673
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBSD02

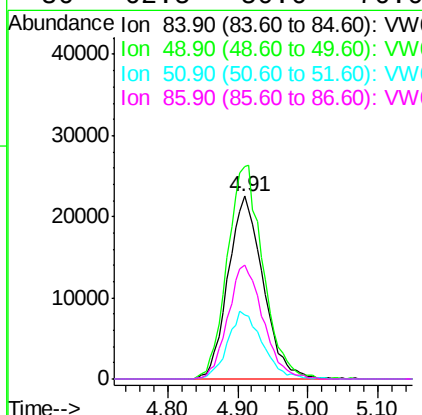
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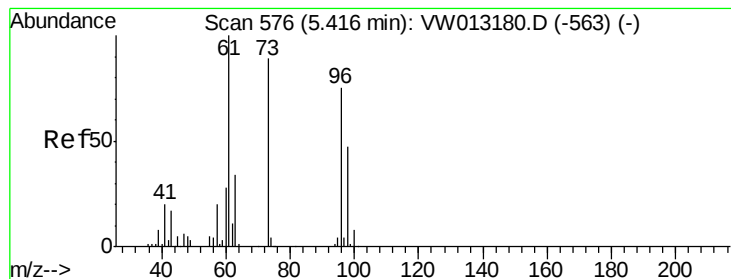
MMDadoda
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#20
Methylene Chloride
Concen: 21.359 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 84 Resp: 78315
Ion Ratio Lower Upper
84 100
49 116.5 97.6 146.4
51 35.2 30.2 45.2
86 62.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.366 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

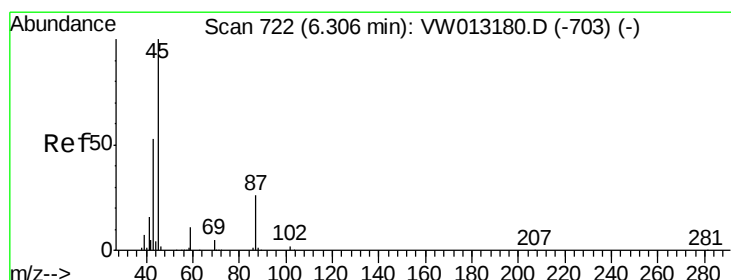
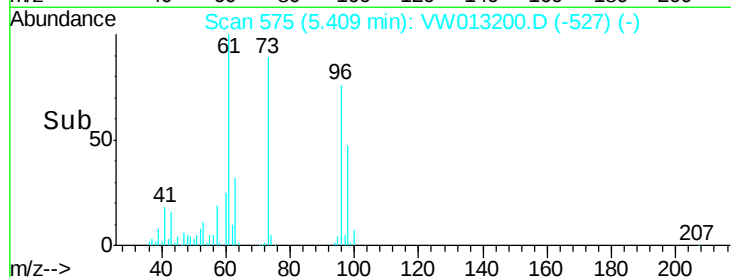
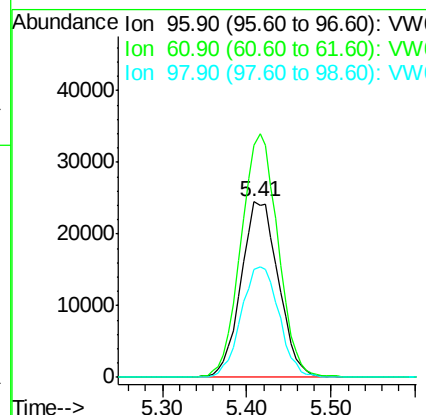
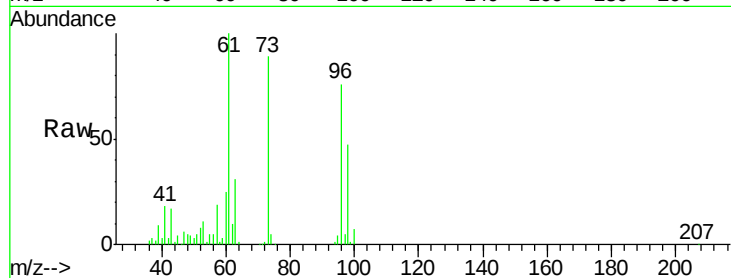
ClientSampleId :

VW0920SBSD02

Tot Ion:	96	Resp:	73924
Ion	Ratio	Lower	Upper
96	100		
61	132.1	106.6	159.8
98	61.8	49.8	74.8

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#22

Diisopropyl ether

Concen: 21.002 ug/l

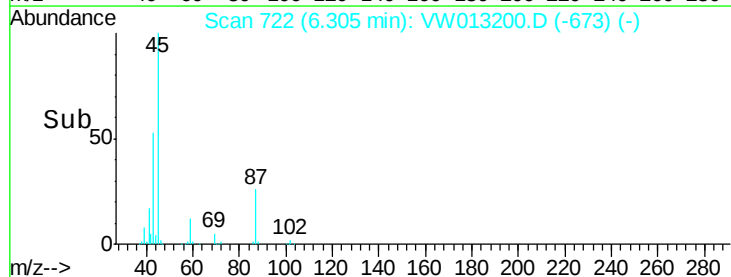
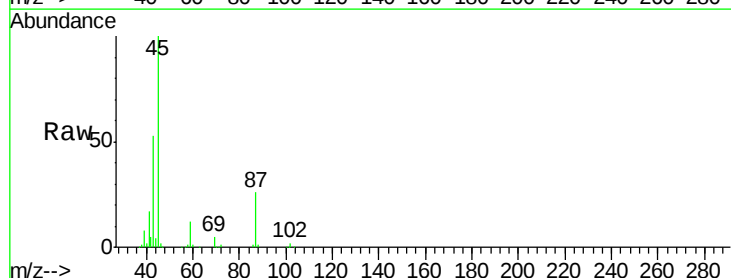
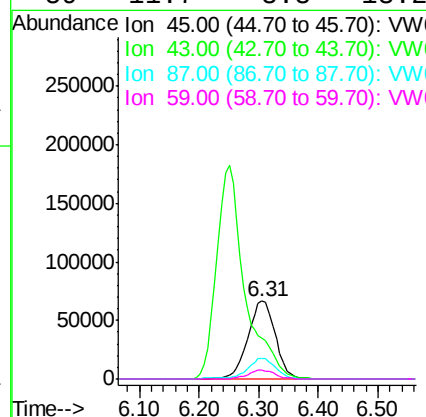
RT: 6.31 min Scan# 722

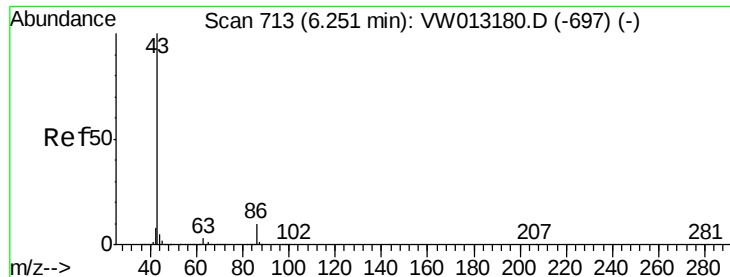
Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Tgt Ion:	45	Resp:	213462
Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.4	63.6
87	26.5	20.4	30.6
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 99.378 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS02

Tot Ion: 43 Resp: 599213

Ion Ratio Lower Upper

43 100

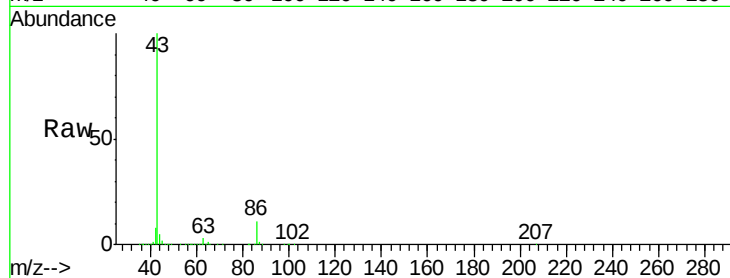
86 10.5 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

150000

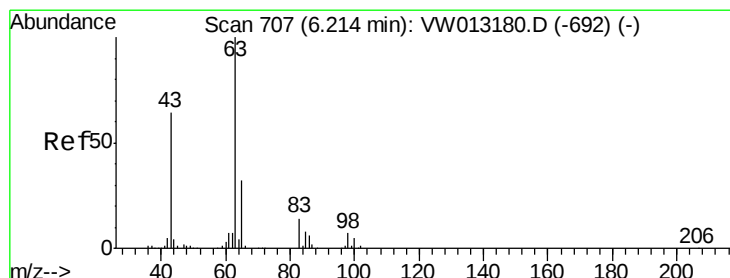
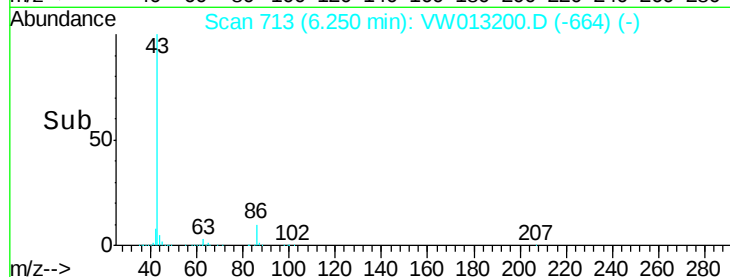
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.578 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

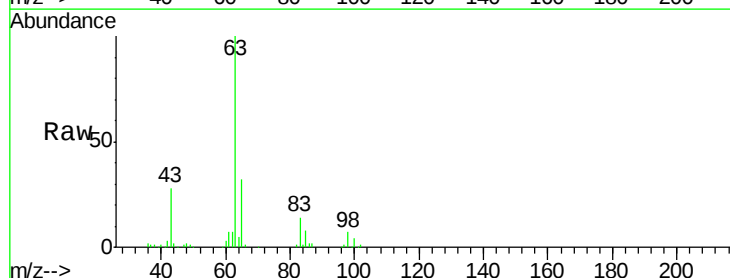
Tgt Ion: 63 Resp: 126204

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

30000

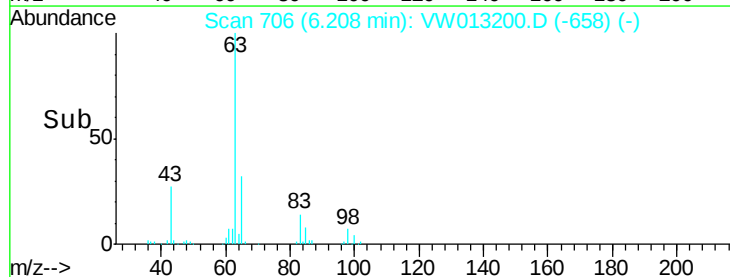
20000

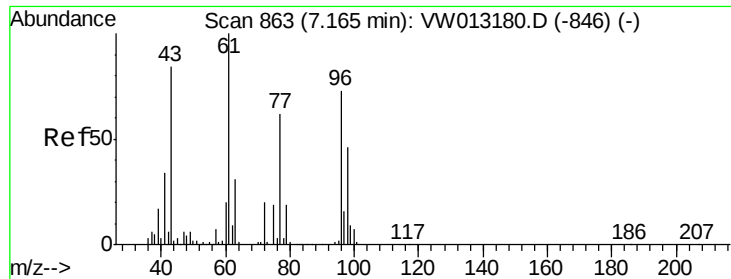
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 102.441 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBSD02

Tot Ion: 43 Resp: 102283

Ion Ratio Lower Upper

43 100

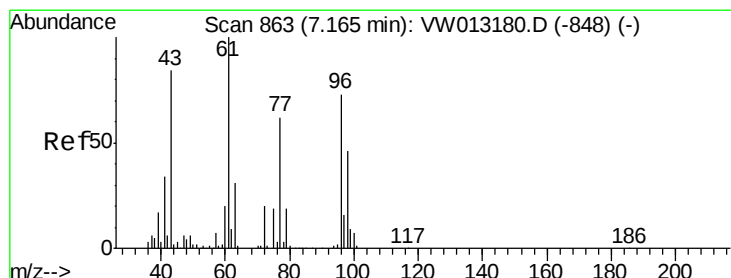
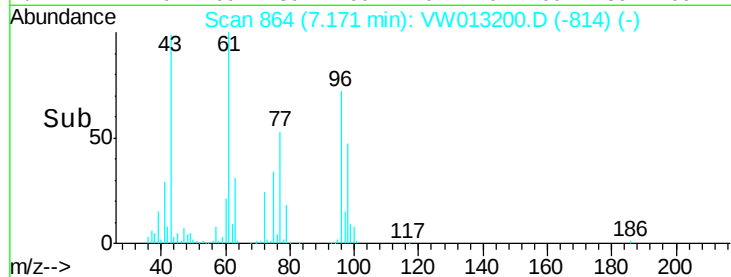
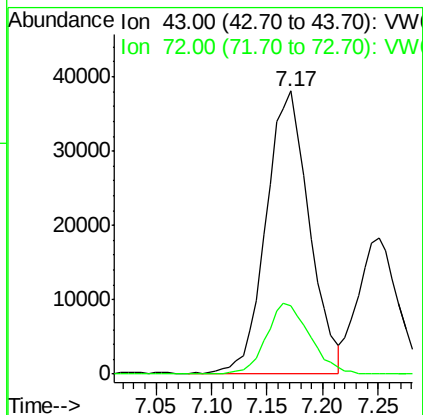
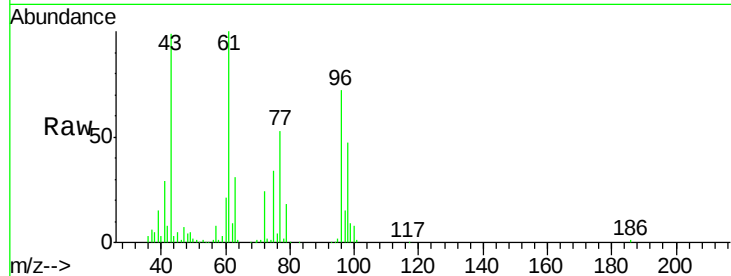
72 24.0 19.4 29.0

Manual Integrations

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9/24/2019 5:29:02 AM



#26

2,2-Dichloropropane

Concen: 18.250 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013200.D

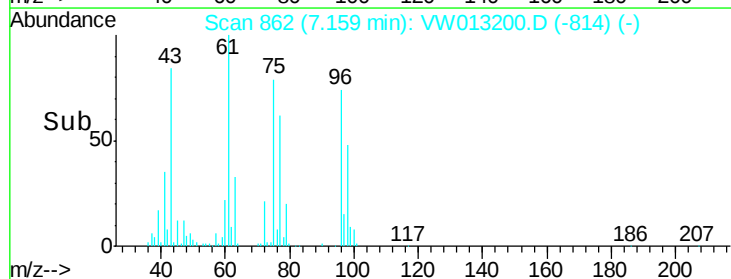
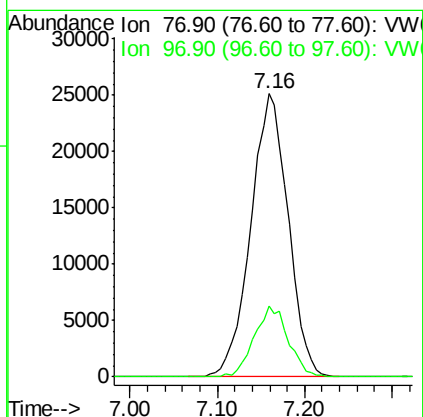
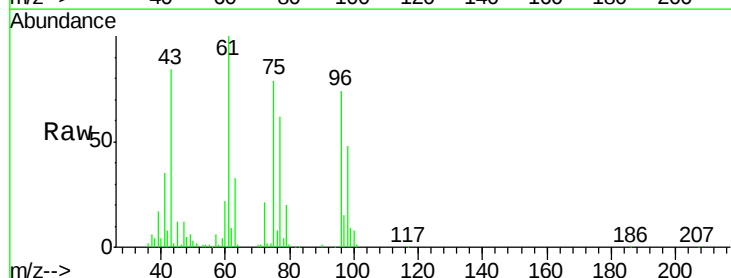
Acq: 20 Sep 2019 23:36

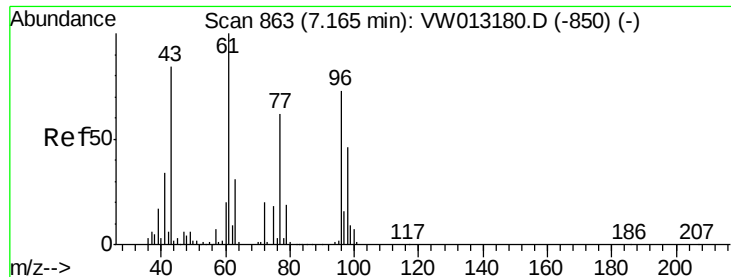
Tgt Ion: 77 Resp: 74734

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.4





#27

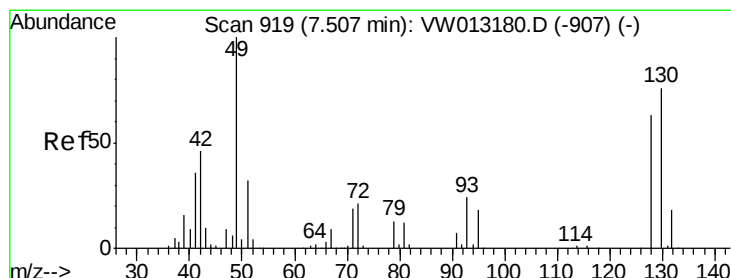
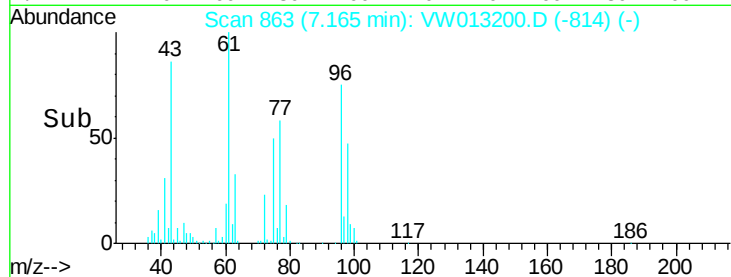
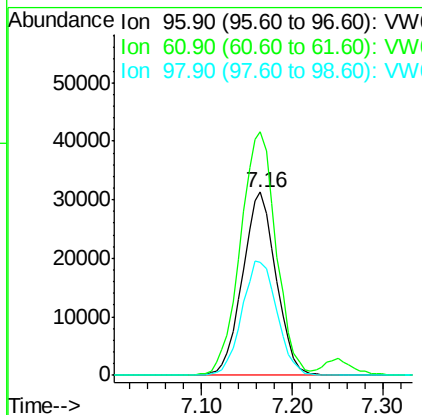
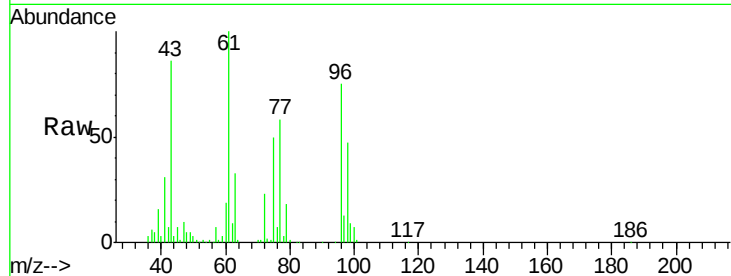
cis-1,2-Dichloroethene
 Concen: 20.839 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	282.4
98	65.1	0.0	128.2

Manual Integrations
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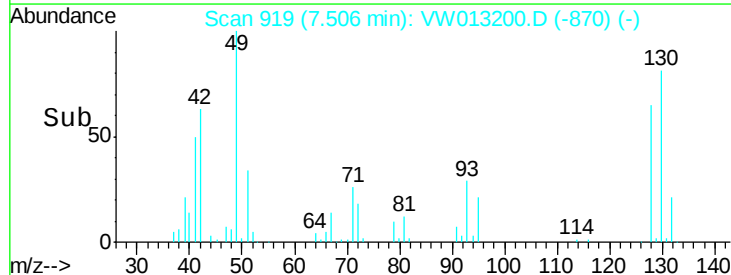
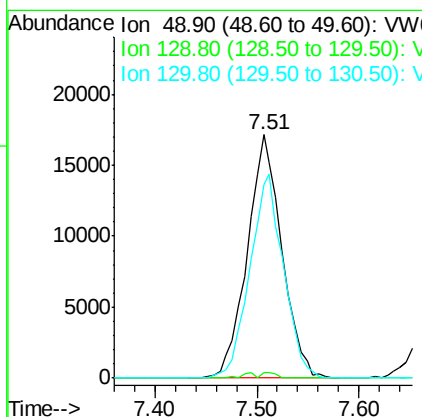
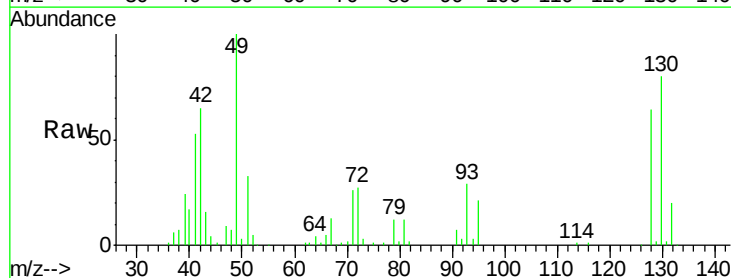
MMDadoda
 9/24/2019 5:29:02 AM

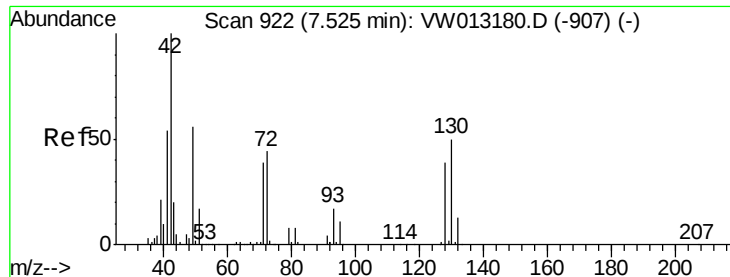


#28

Bromochloromethane
 Concen: 17.170 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.0#
130	81.6	63.4	95.2





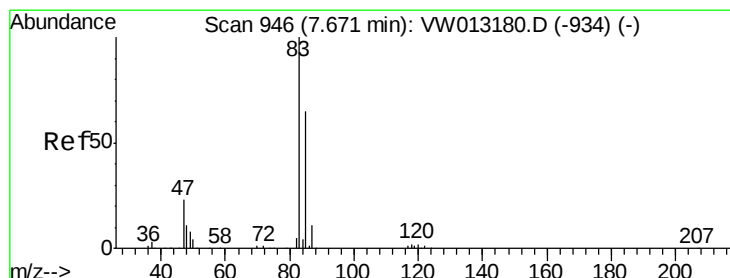
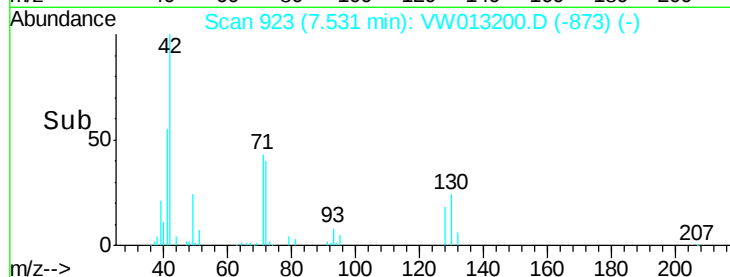
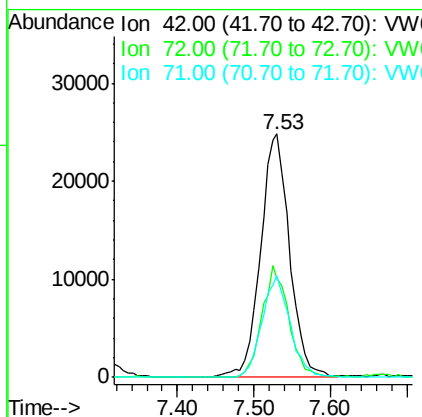
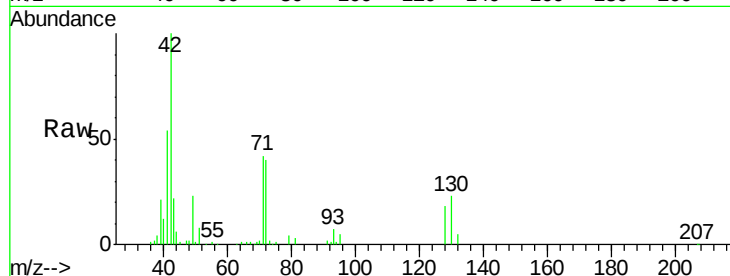
#29
Tetrahydrofuran
Concen: 107.491 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.9	50.9
71	40.1	31.9	47.9

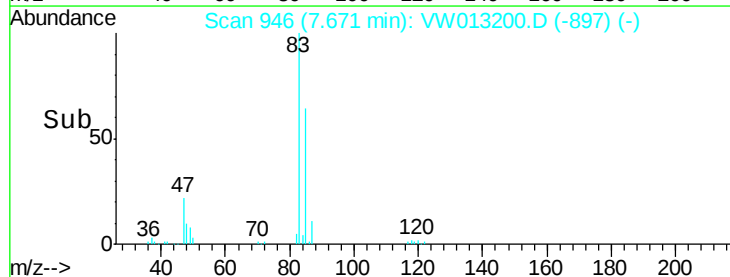
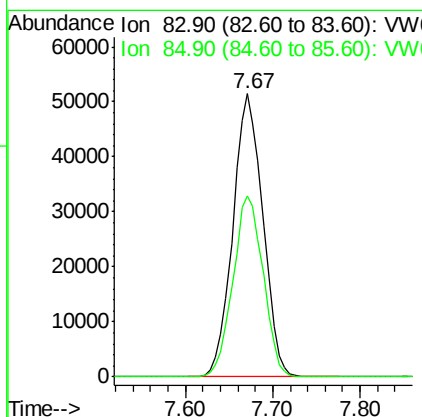
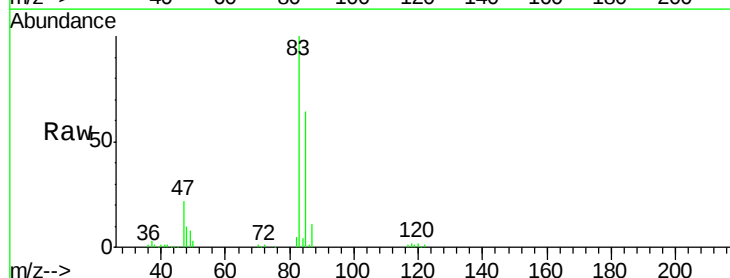
Manual Integrations
APPROVED

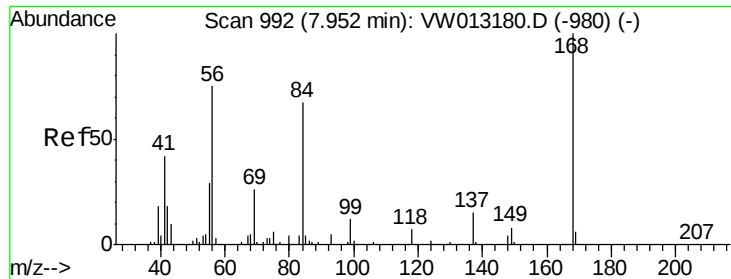
MMDadoda
9/24/2019 5:29:02 AM



#30
Chloroform
Concen: 20.403 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.3	78.5





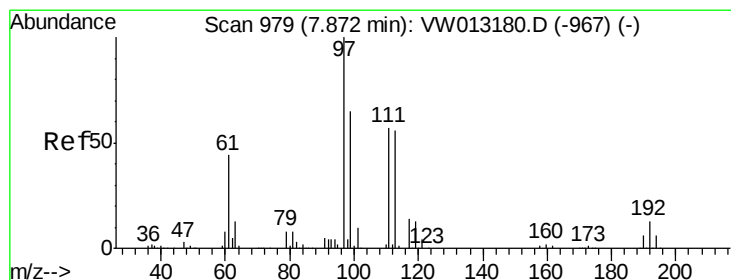
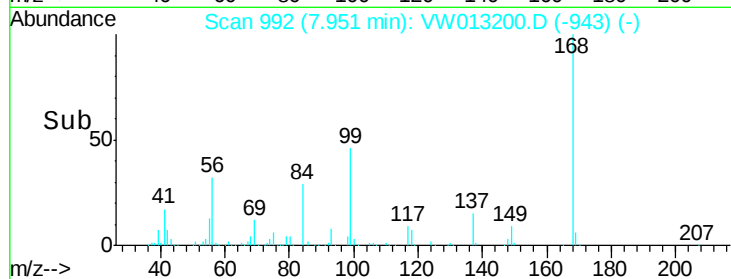
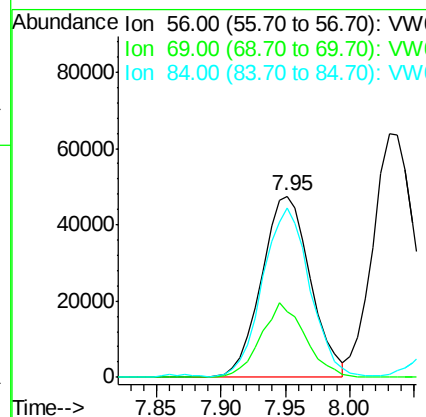
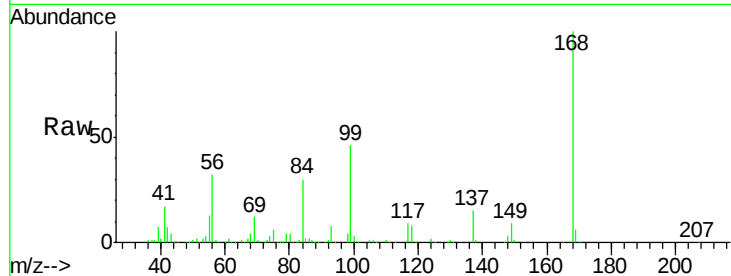
#31
Cyclohexane
Concen: 19.554 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	27.2	40.8
84	92.3	70.8	106.2

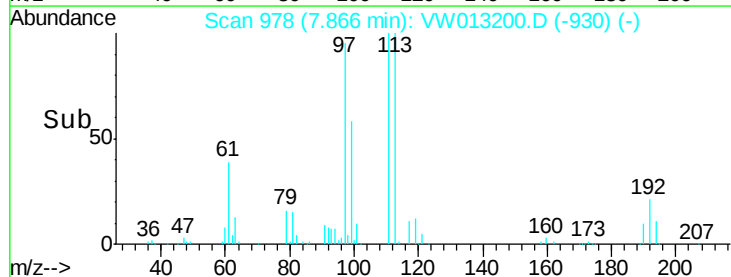
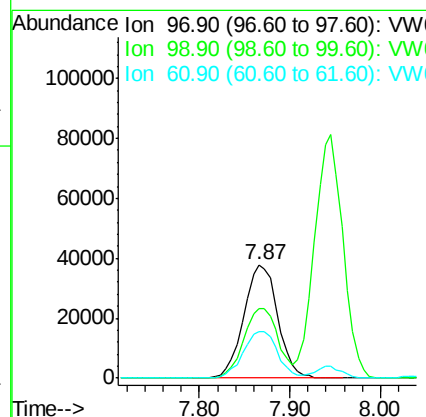
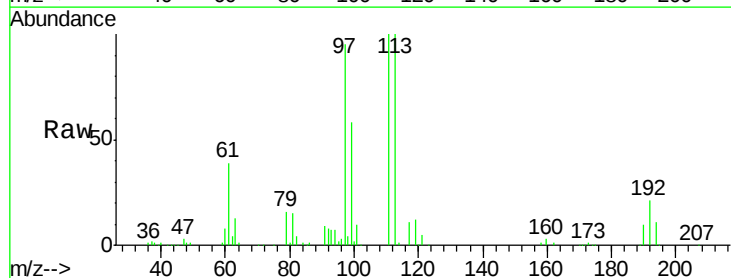
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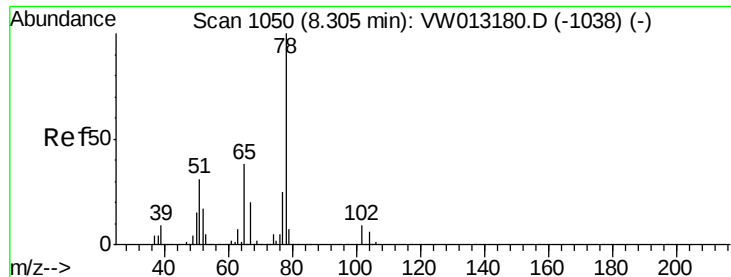
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#32
1,1,1-Trichloroethane
Concen: 20.045 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.7	77.5
61	41.8	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 50.070 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBSD02

Tot Ion: 65 Resp: 147675

Ion Ratio Lower Upper

65 100

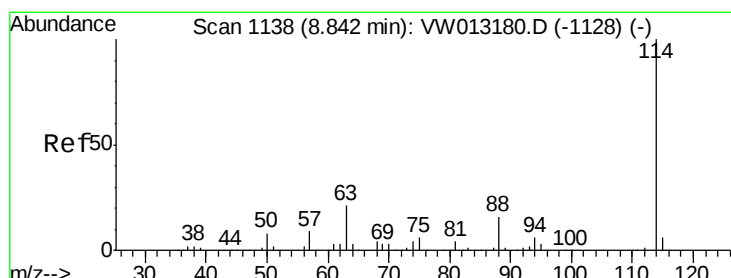
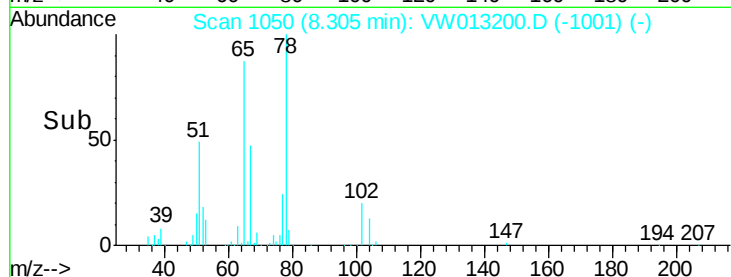
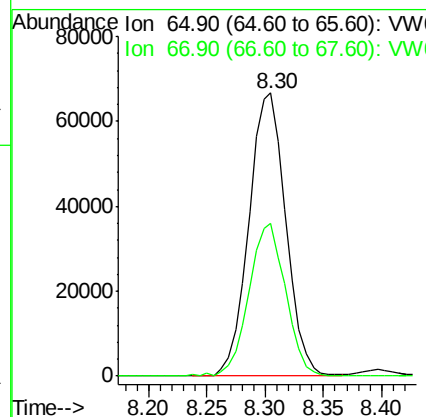
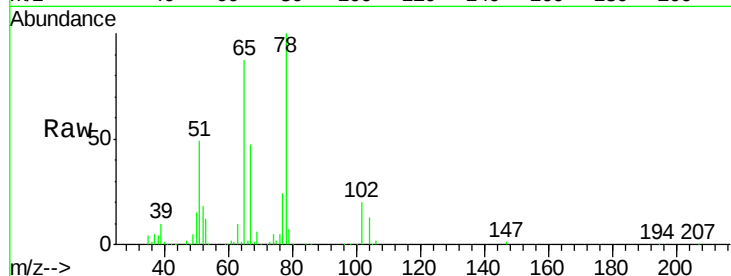
67 53.5 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

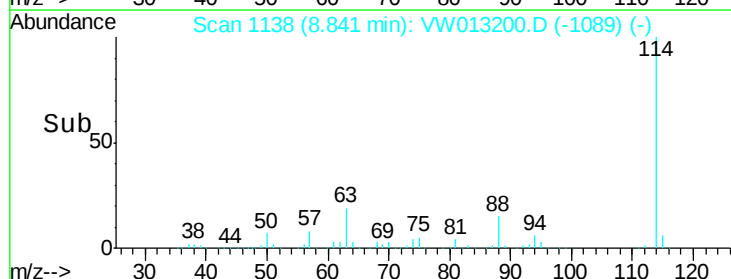
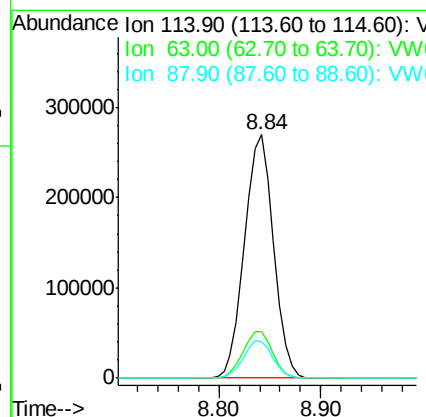
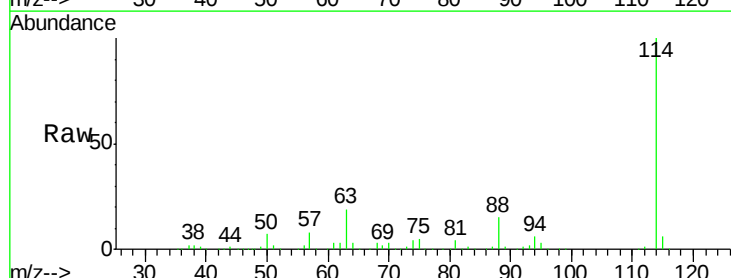
Tgt Ion: 114 Resp: 533248

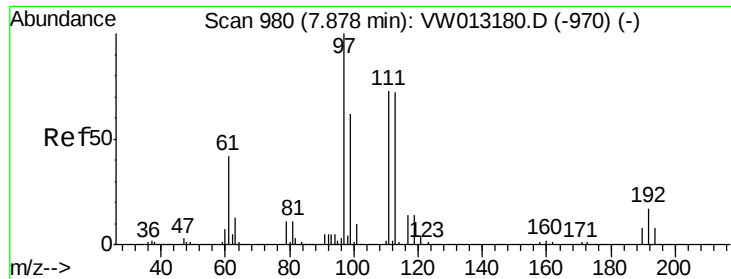
Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

88 14.9 0.0 32.0





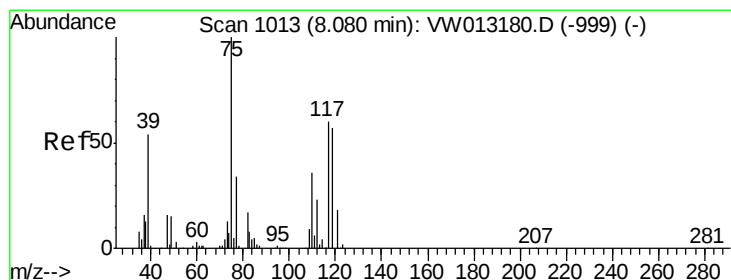
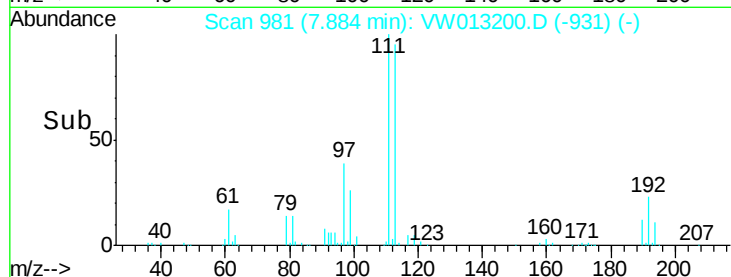
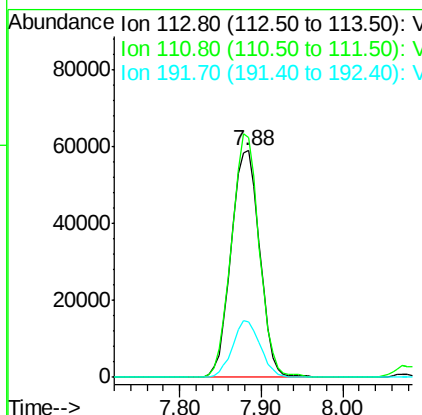
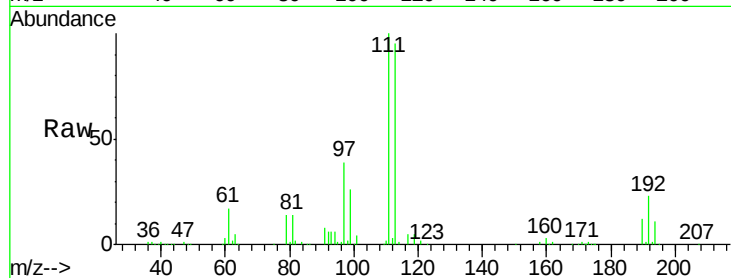
#35
 Dibromofluoromethane
 Concen: 48.766 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143023		
111	103.7	81.9	122.9	
192	23.8	19.1	28.7	

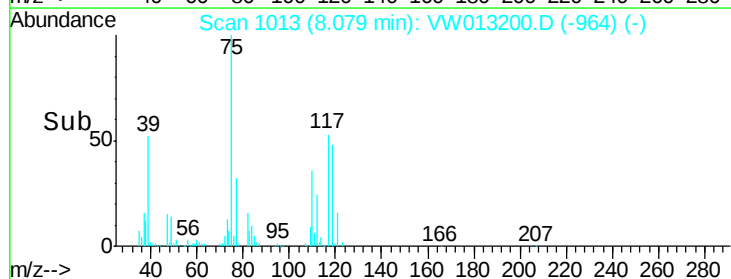
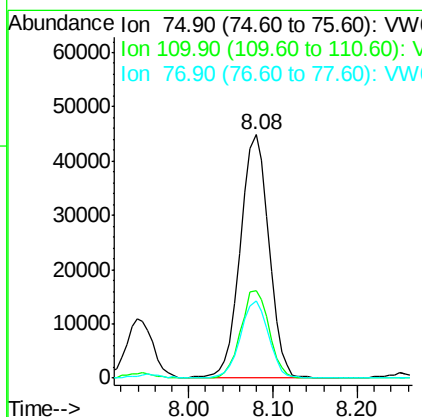
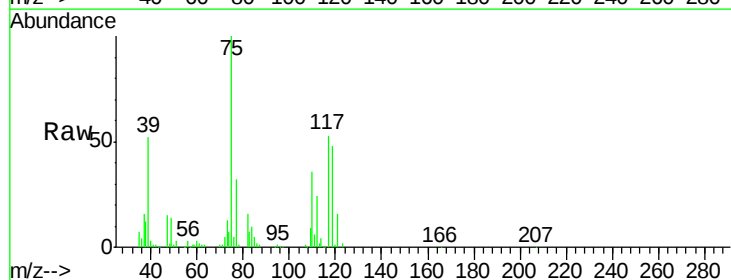
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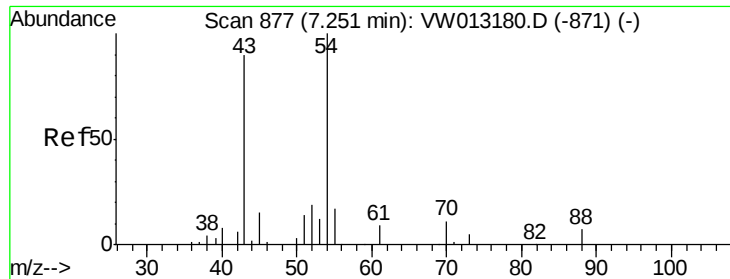
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#36
 1,1-Dichloropropene
 Concen: 19.853 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102538		
110	35.4	18.1	54.3	
77	31.2	25.8	38.6	





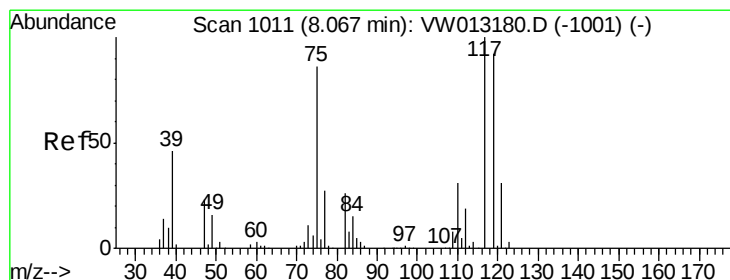
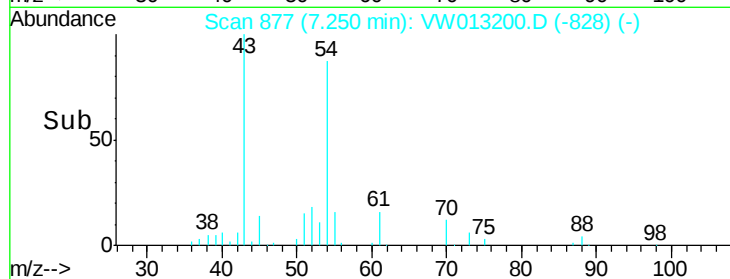
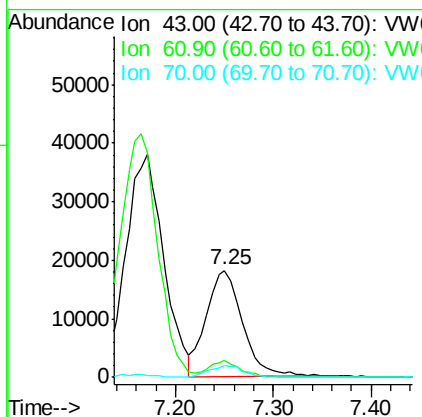
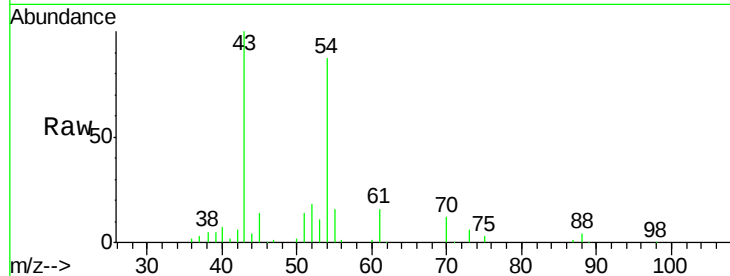
#37
Ethyl Acetate
Concen: 21.301 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	10.7	8.2	12.2

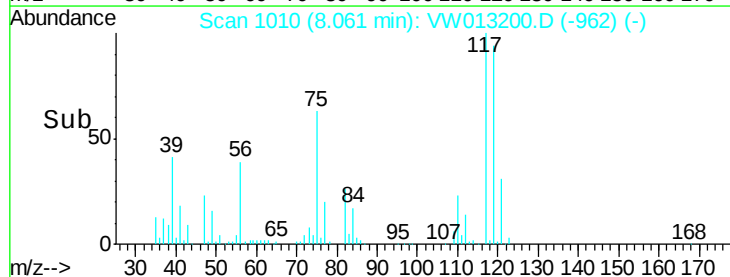
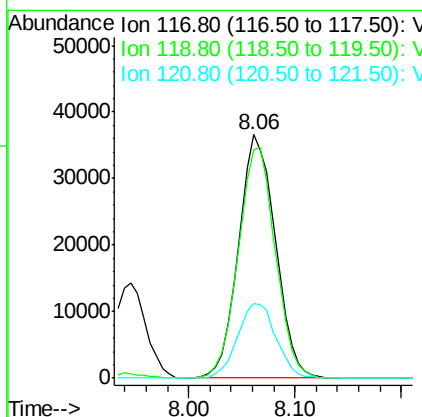
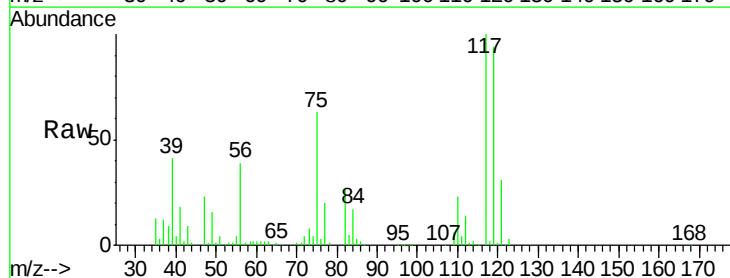
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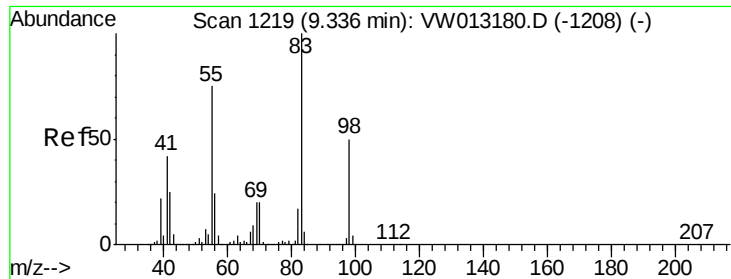
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#38
Carbon Tetrachloride
Concen: 19.260 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.5	110.3
121	30.7	25.0	37.6





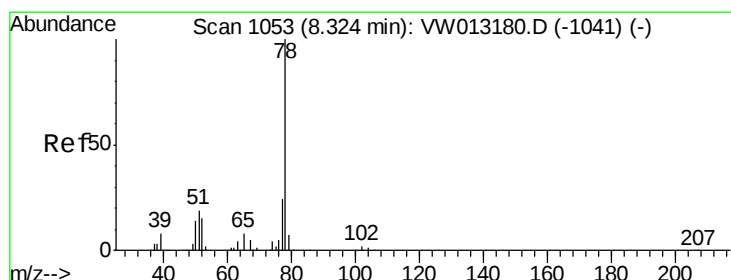
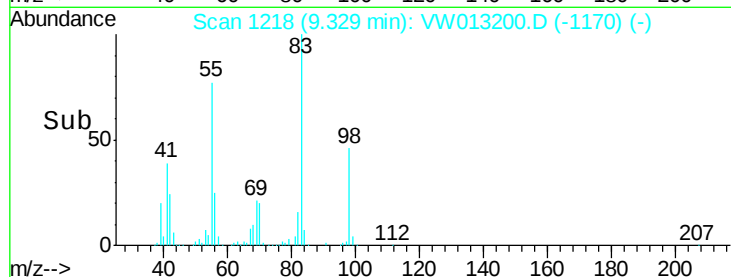
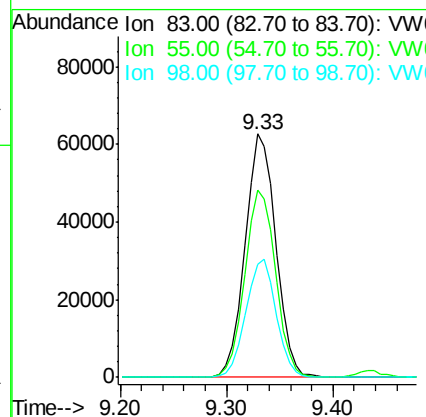
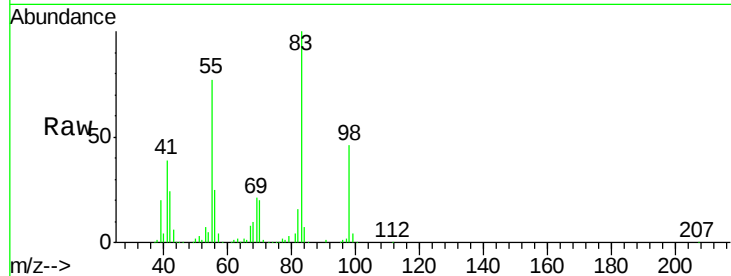
#39
Methvlcvclohexane
Concen: 19.173 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127257		
55	77.1		60.4	90.6
98	46.5		40.0	60.0

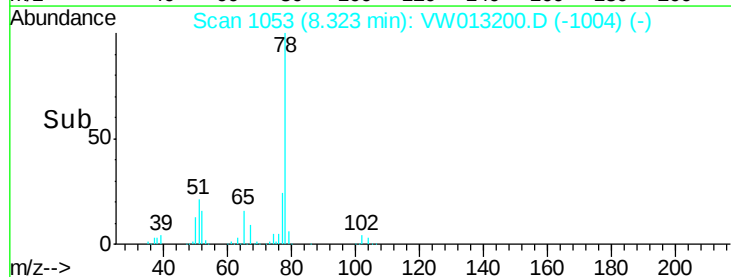
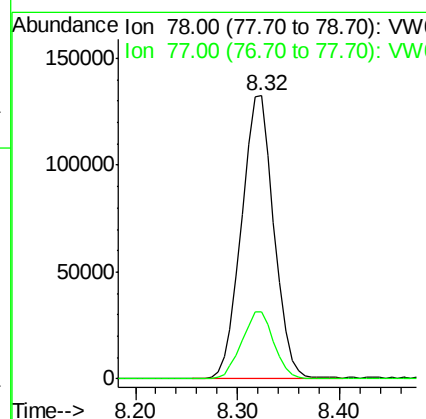
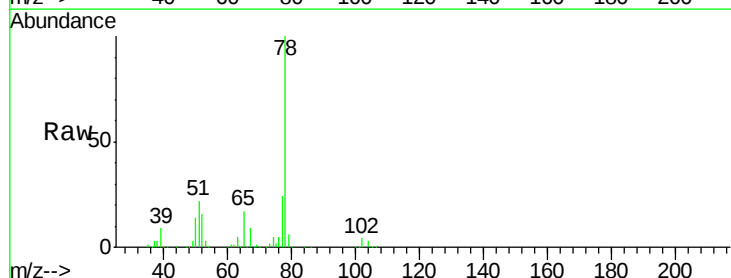
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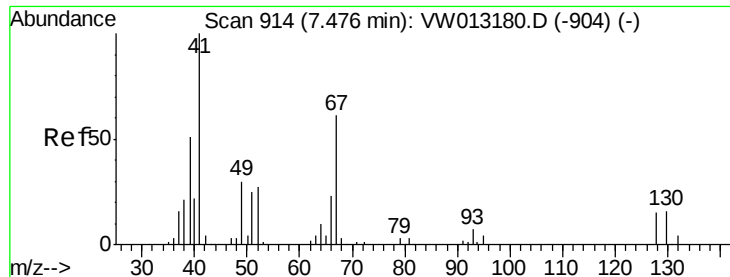
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#40
Benzene
Concen: 20.341 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	293037		
77	23.8		19.1	28.7





#41

Methacrylonitrile

Concen: 21.190 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

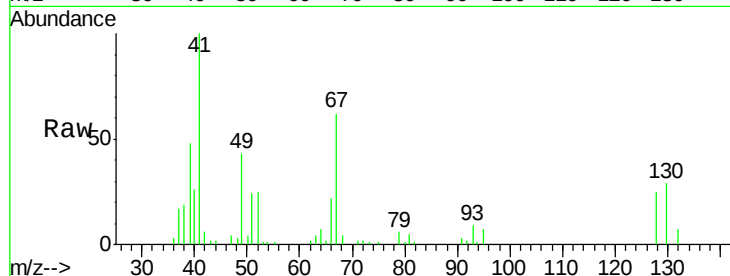
ClientSampleId :

VW0920SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		27761		
39	52.6	45.9	68.9		
67	69.6	54.5	81.7		
52	27.0	22.5	33.7		

Manual Integrations
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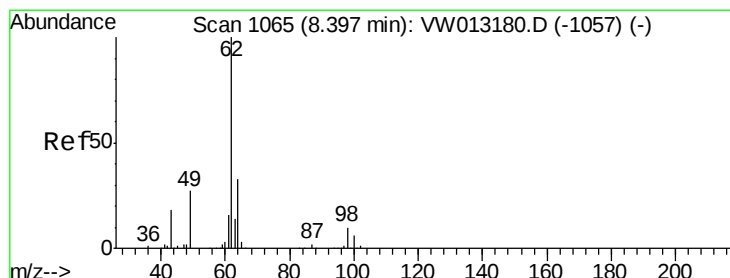
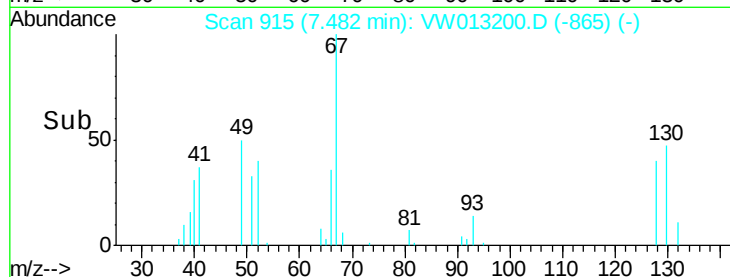
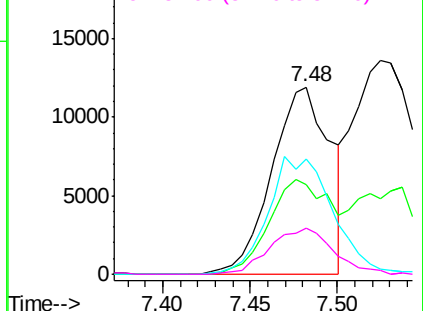
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.522 ug/l

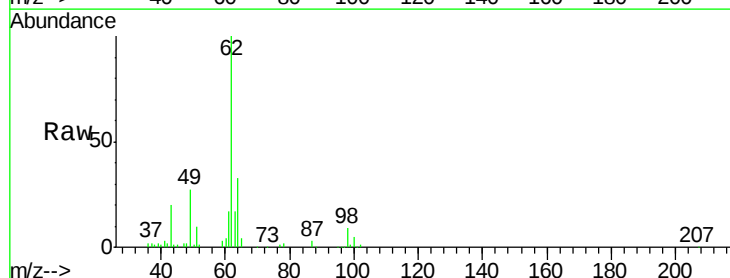
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

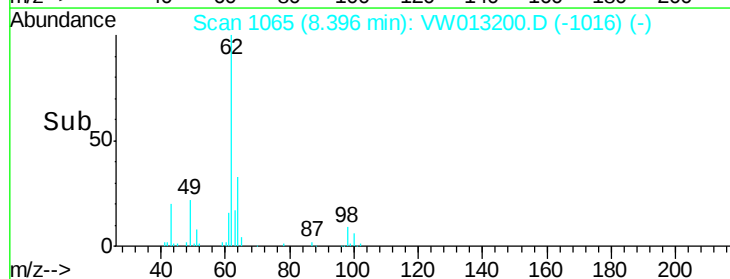
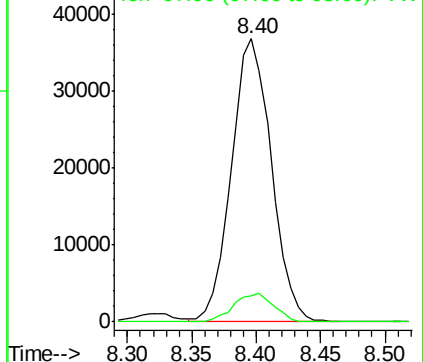
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		79476		
98	10.1	0.0	20.6		

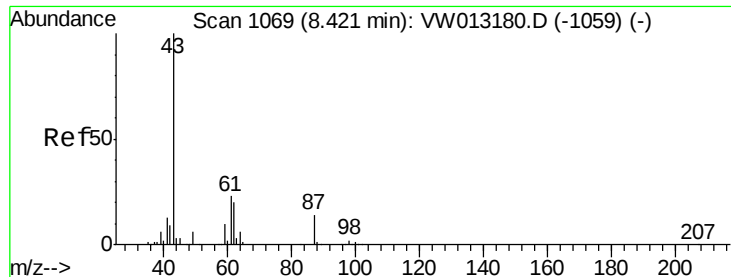


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.960 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

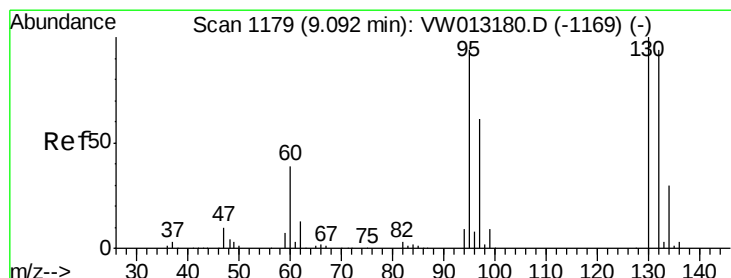
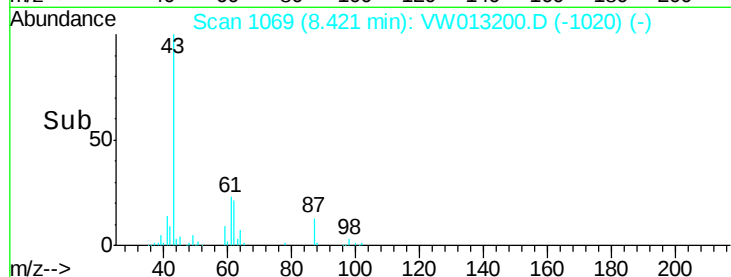
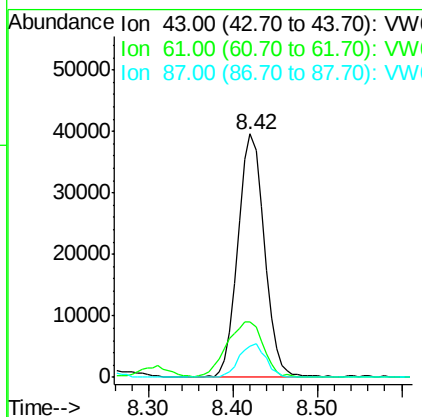
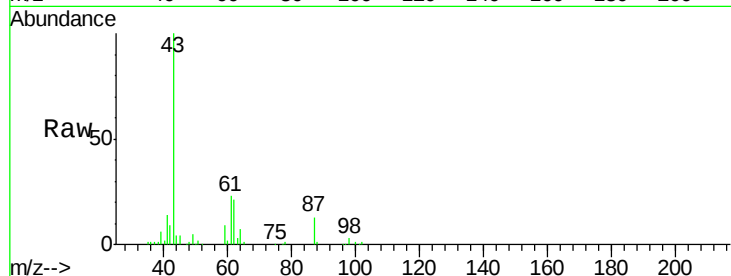
ClientSampleID :

VW0920SBS02

Tot Ion:	43	Resp:	83975
Ion	Ratio	Lower	Upper
43	100		
61	31.8	25.5	38.3
87	13.8	11.0	16.4

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#44

Trichloroethene

Concen: 19.745 ug/l

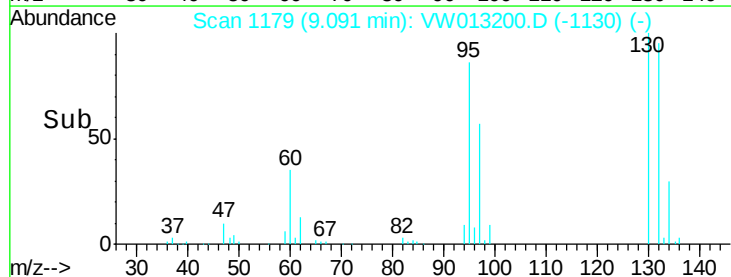
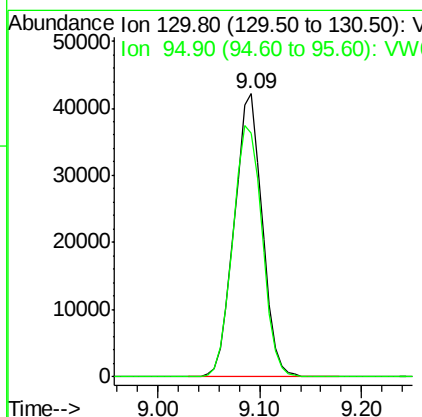
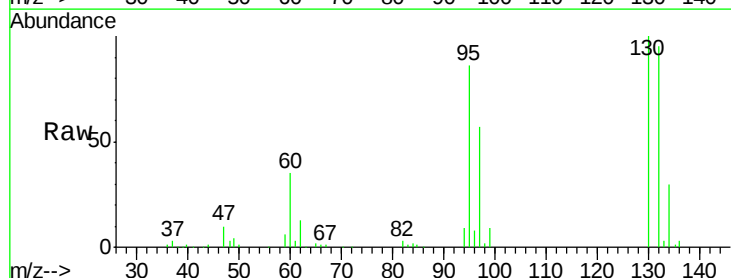
RT: 9.09 min Scan# 1179

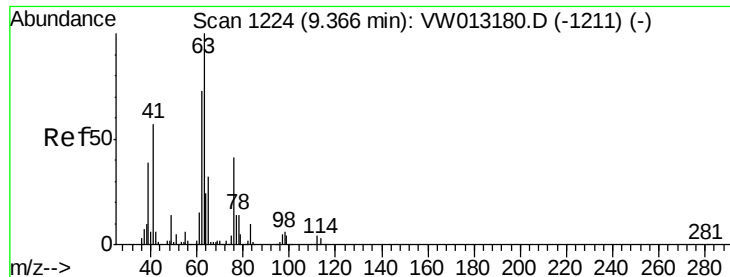
Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Tgt Ion:	130	Resp:	79808
Ion	Ratio	Lower	Upper
130	100		
95	86.2	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.213 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS02

Tot Ion: 63 Resp: 71095

Ion Ratio Lower Upper

63 100

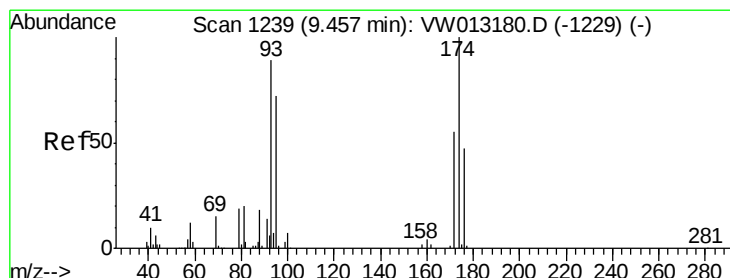
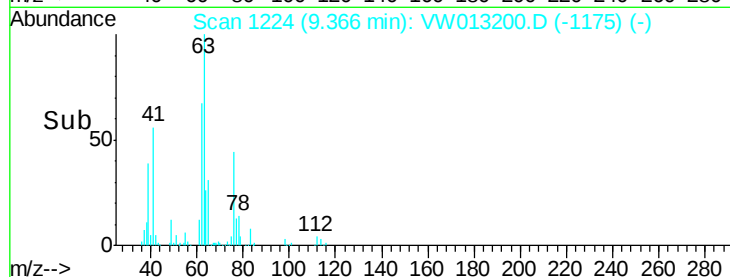
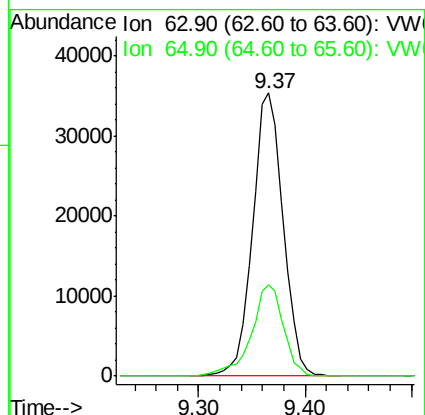
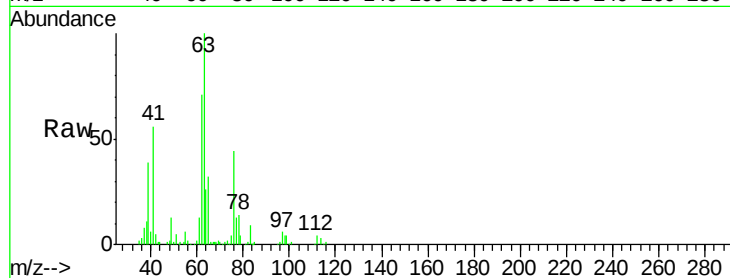
65 32.2 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 20.505 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

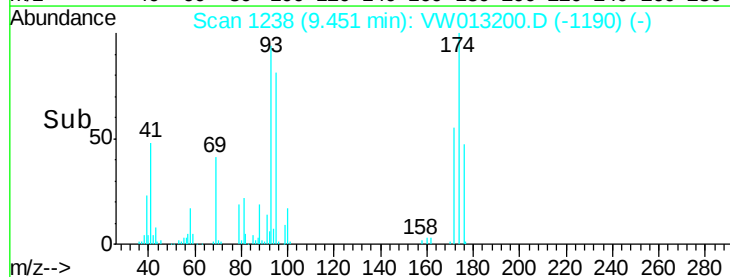
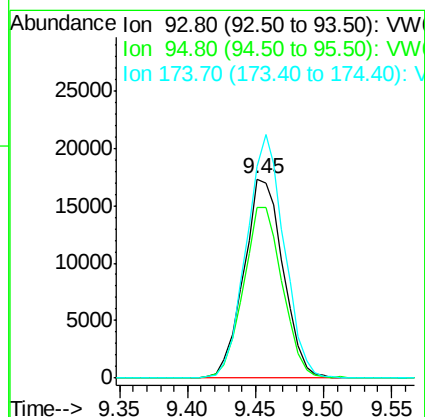
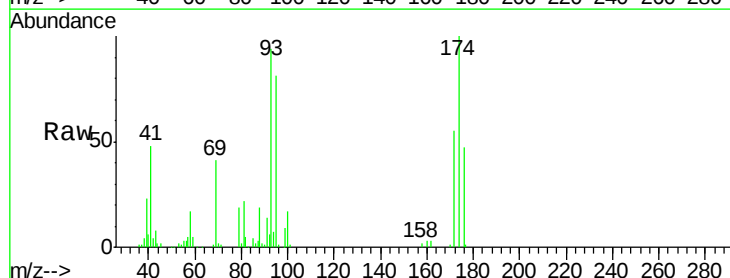
Tgt Ion: 93 Resp: 35014

Ion Ratio Lower Upper

93 100

95 85.1 66.4 99.6

174 117.1 93.0 139.6





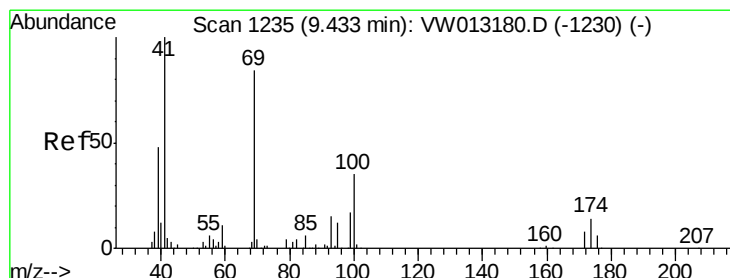
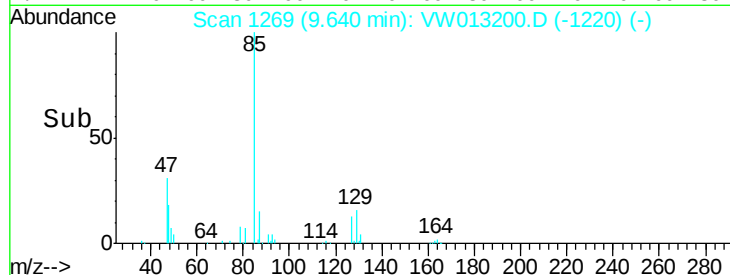
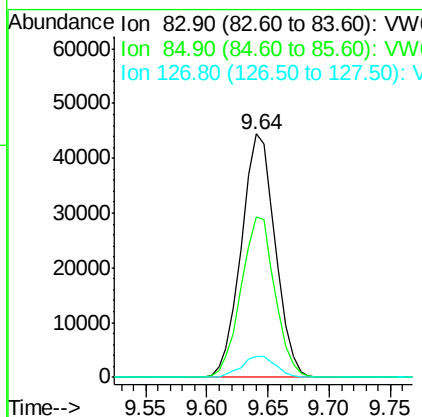
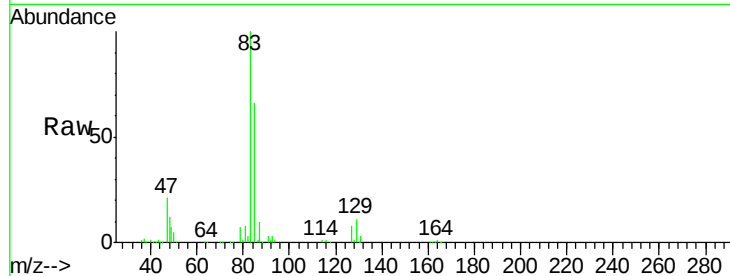
#47
Bromodichloromethane
Concen: 19.740 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.6	49.4	74.2	
127	8.5	6.5	9.7	

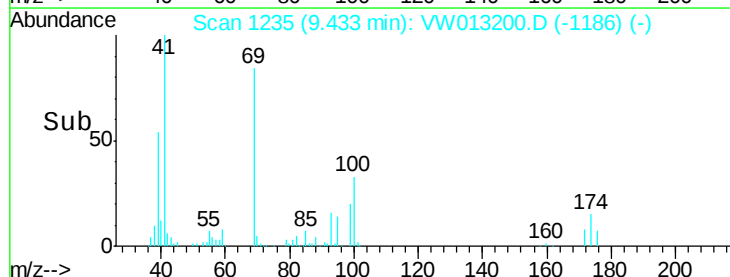
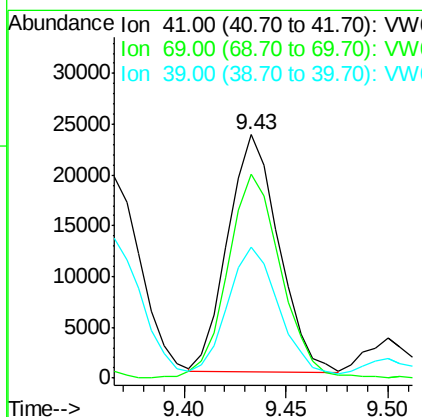
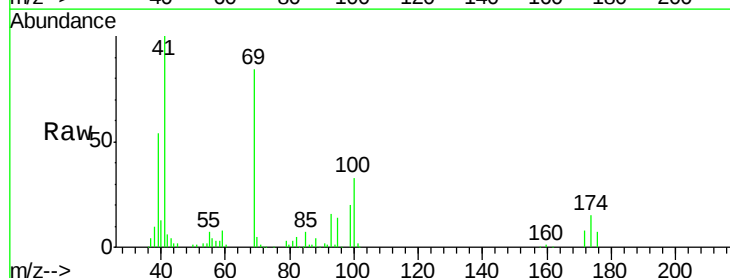
Manual Integrations
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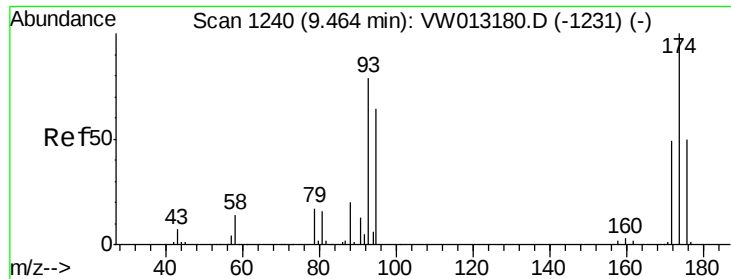
MMDadoda
9/24/2019 5:29:02 AM



#48
Methyl methacrylate
Concen: 20.465 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.7	69.7	104.5	
39	52.5	41.1	61.7	





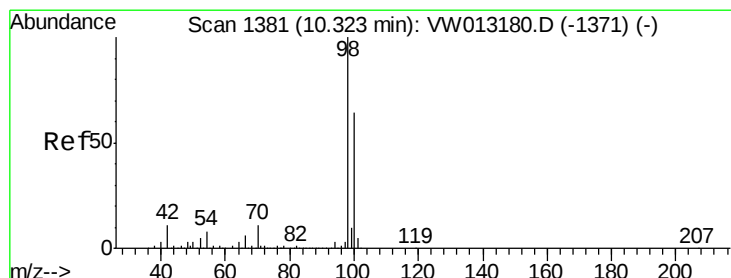
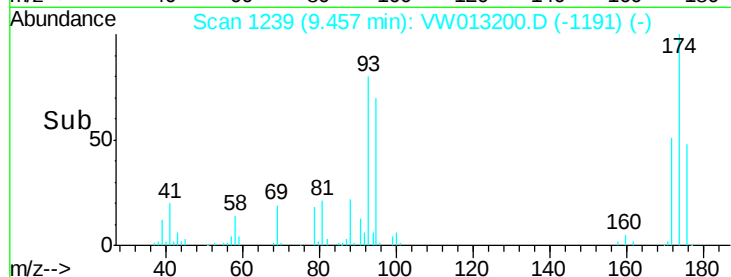
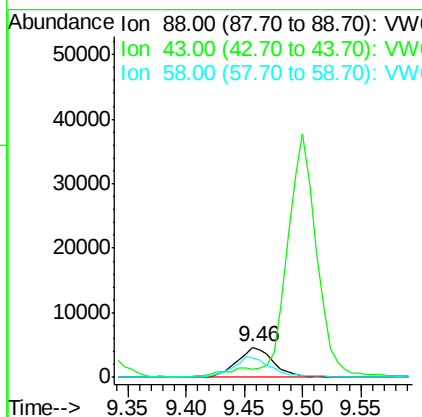
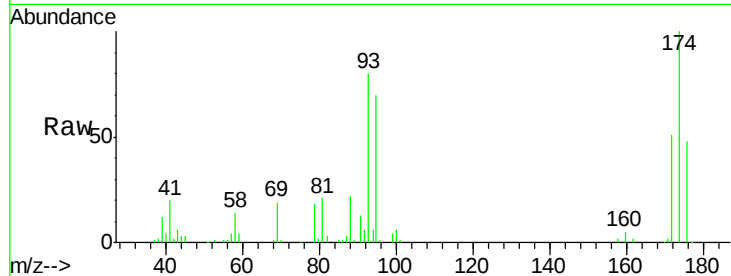
#49
1,4-Dioxane
Concen: 391.852 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBSD02

Tot Ion	88	Resp	10044
Ion	Ratio	Lower	Upper
88	100		
43	28.9	0.0	0.0#
58	71.5	65.4	98.0

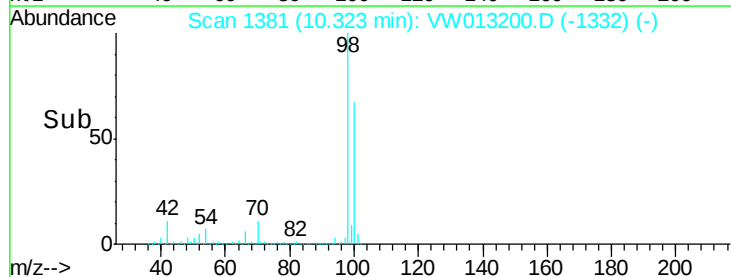
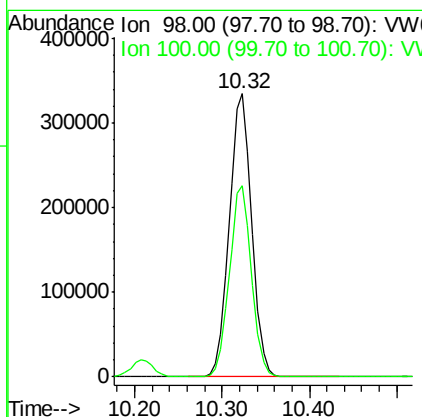
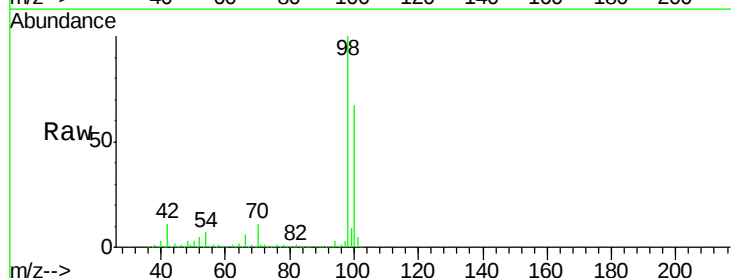
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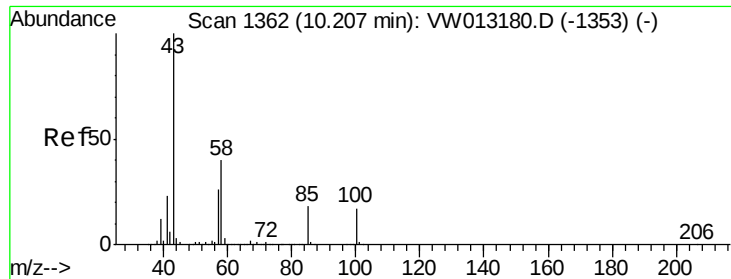
MMDadoda
9/24/2019 5:29:02 AM



#50
Toluene-d8
Concen: 48.347 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	98	Resp	593427
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 105.040 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBSD02

Tot Ion: 43 Resp: 221540

Ion Ratio Lower Upper

43 100

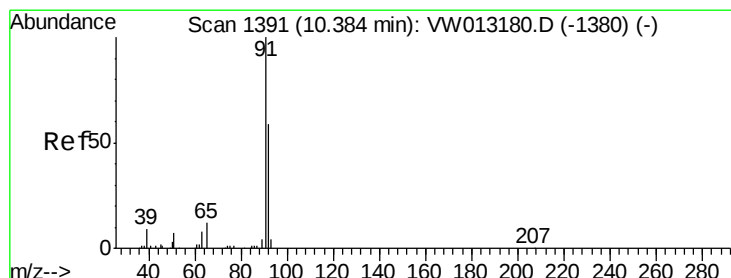
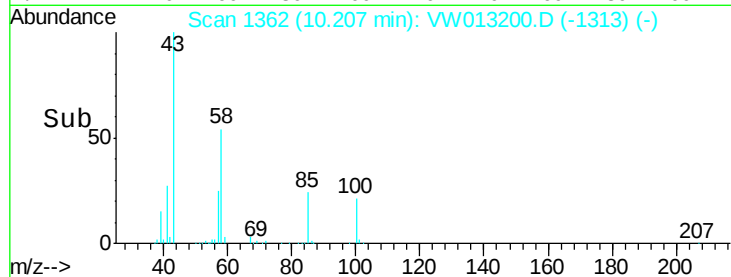
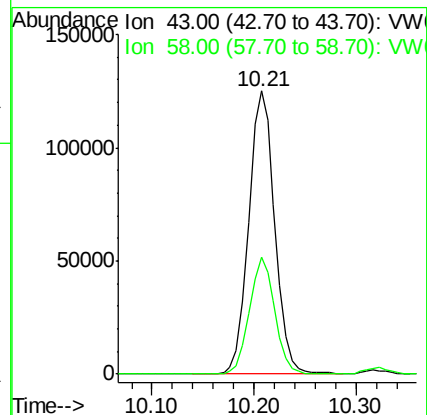
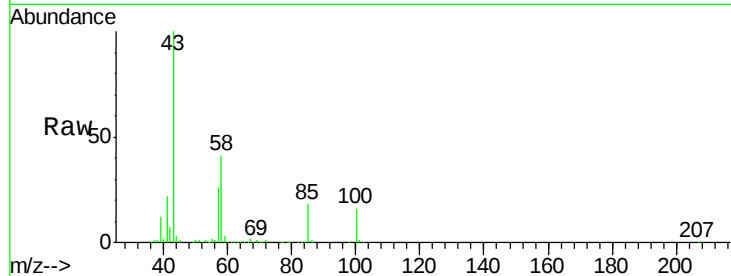
58 40.3 31.7 47.5

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#52

Toluene

Concen: 20.226 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013200.D

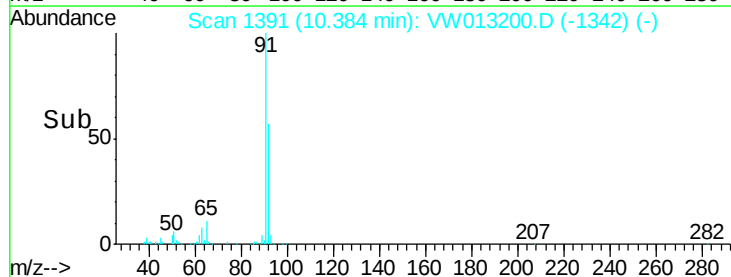
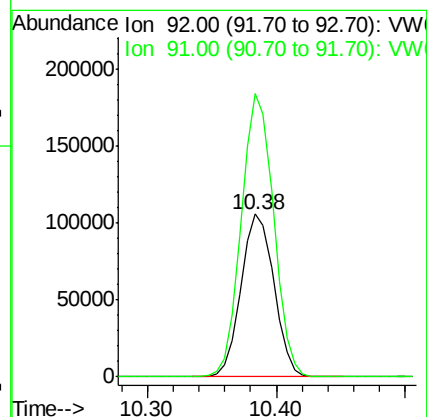
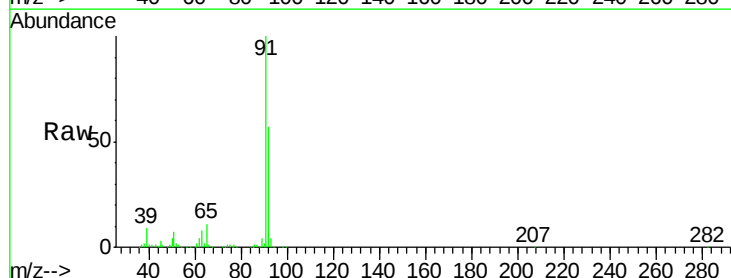
Acq: 20 Sep 2019 23:36

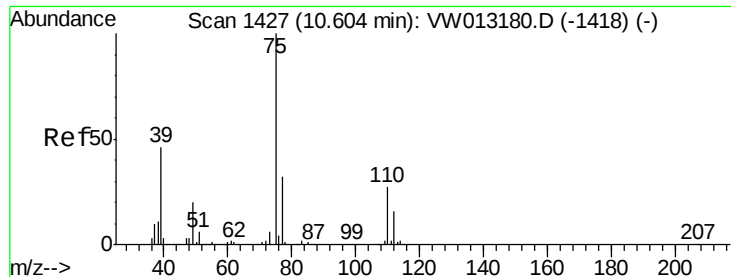
Tgt Ion: 92 Resp: 186742

Ion Ratio Lower Upper

92 100

91 171.2 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.623 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS02

Tot Ion: 75 Resp: 87597

Ion Ratio Lower Upper

75 100

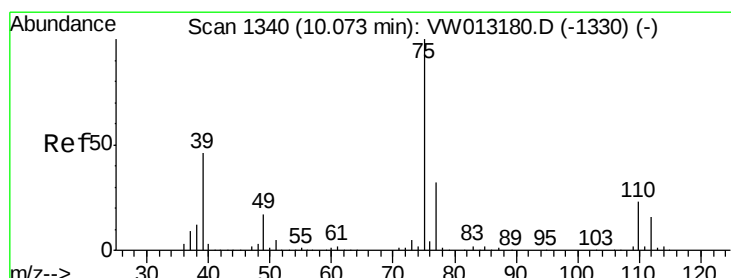
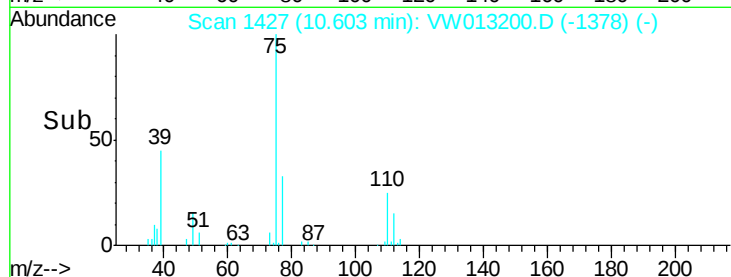
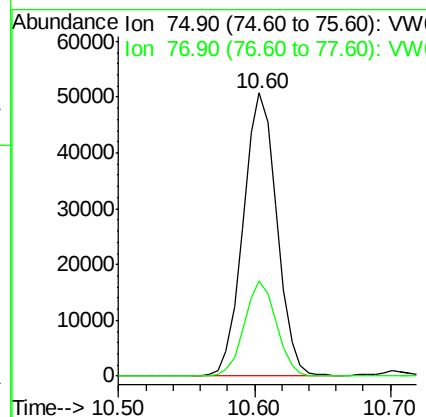
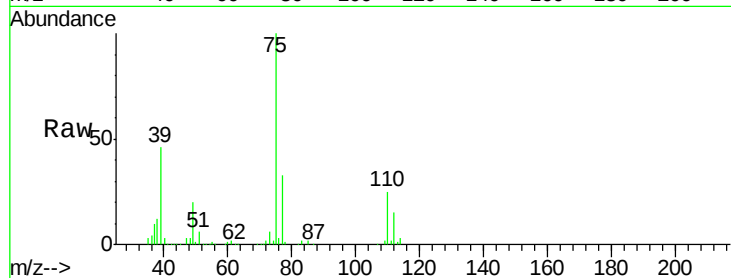
77 33.5 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 19.862 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

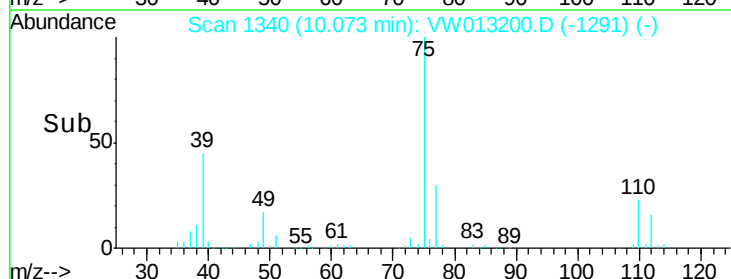
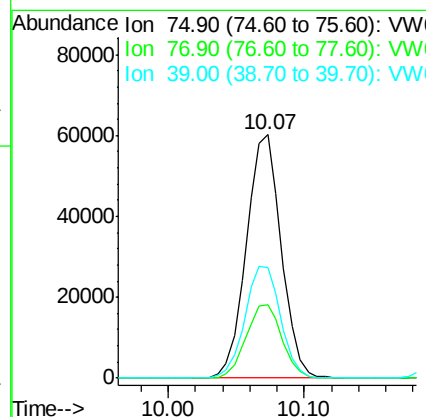
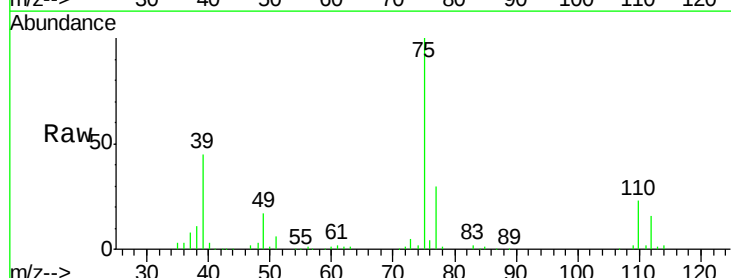
Tgt Ion: 75 Resp: 107804

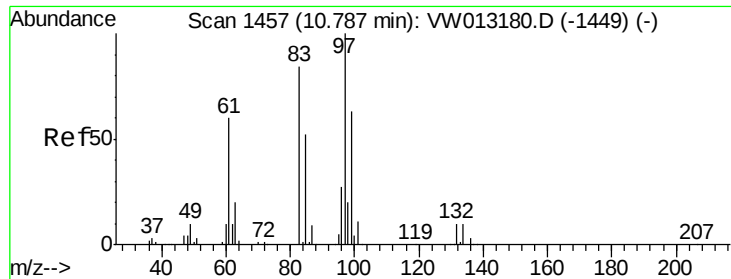
Ion Ratio Lower Upper

75 100

77 30.1 25.2 37.8

39 45.5 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.903 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

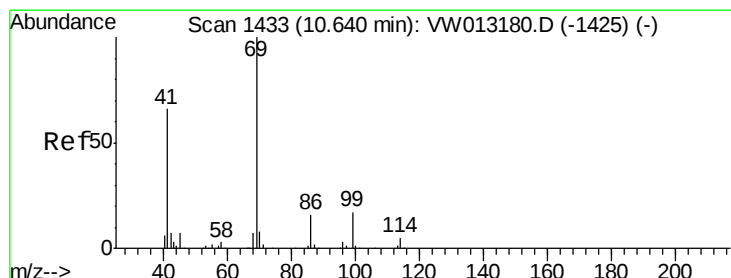
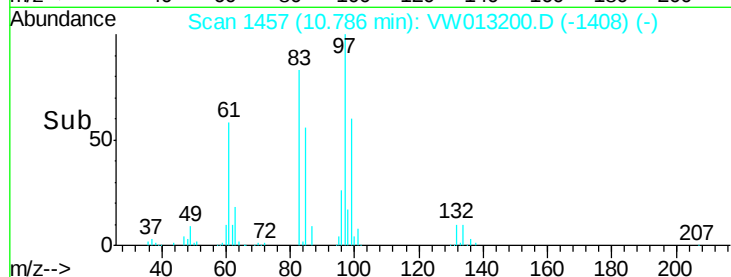
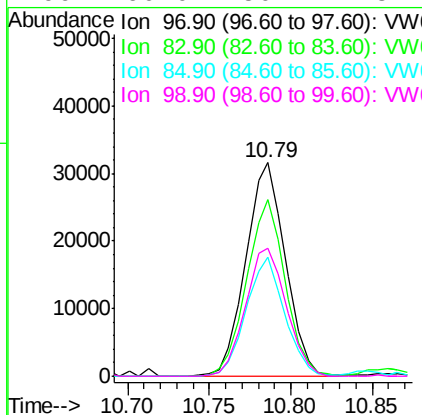
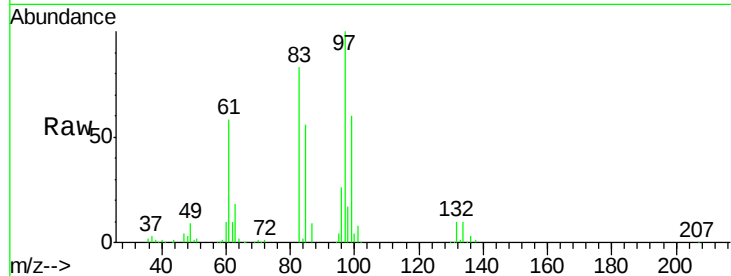
ClientSampleId :

VW0920SBSD02

Tot Ion:	97	Resp:	53352
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.6	101.4
85	56.0	41.9	62.9
99	60.0	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.977 ug/l

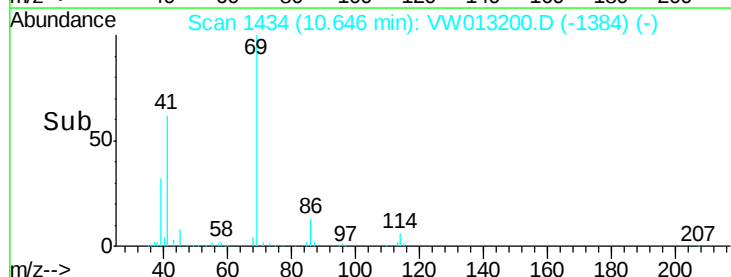
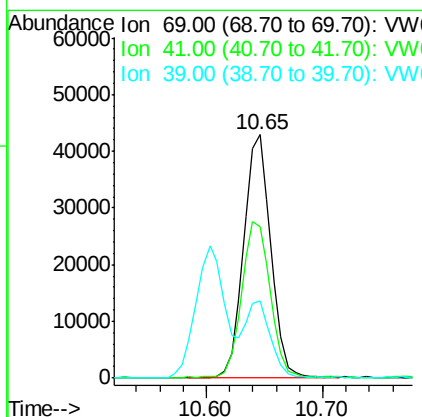
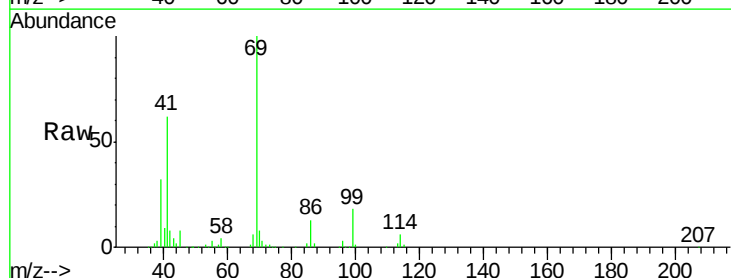
RT: 10.65 min Scan# 1434

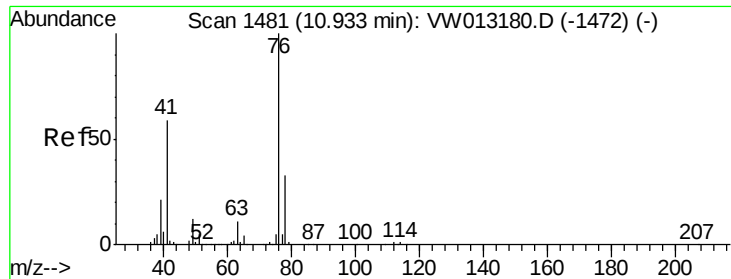
Delta R.T. 0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Tgt Ion:	69	Resp:	70069
Ion	Ratio	Lower	Upper
69	100		
41	68.1	53.9	80.9
39	28.5	23.8	35.6





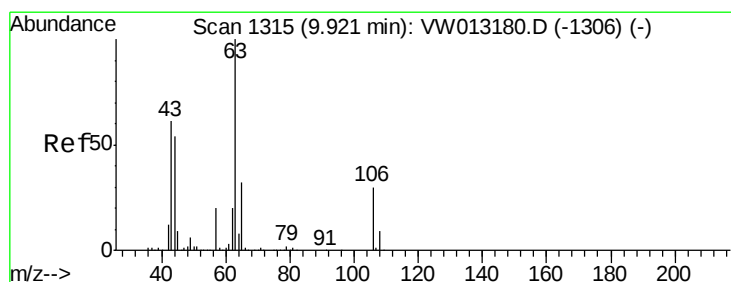
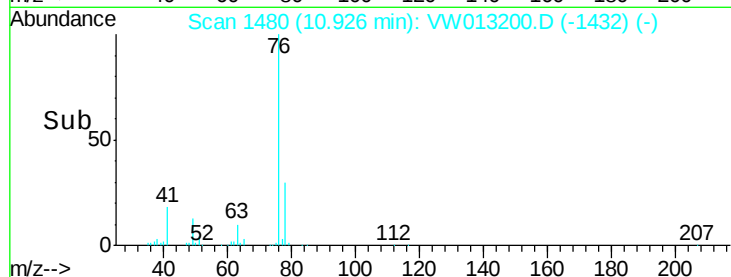
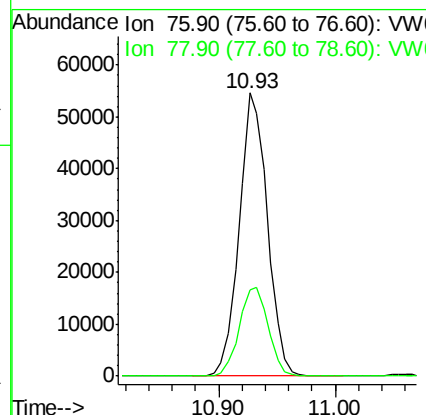
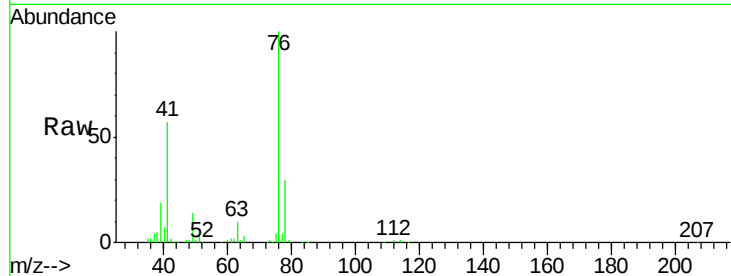
#57
 1,3-Dichloropropane
 Concen: 20.655 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBSD02

Tot Ion: 76 Resp: 91994
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

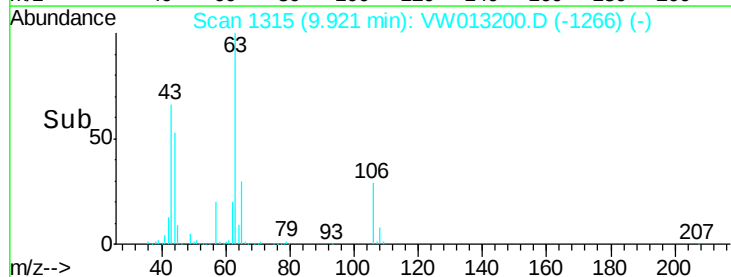
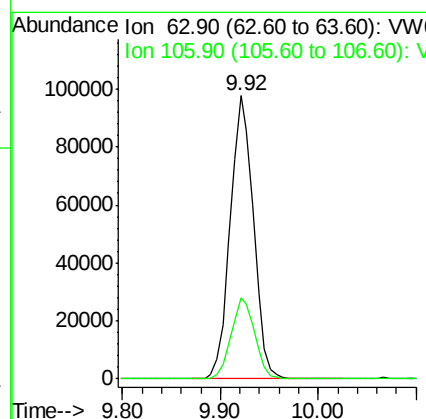
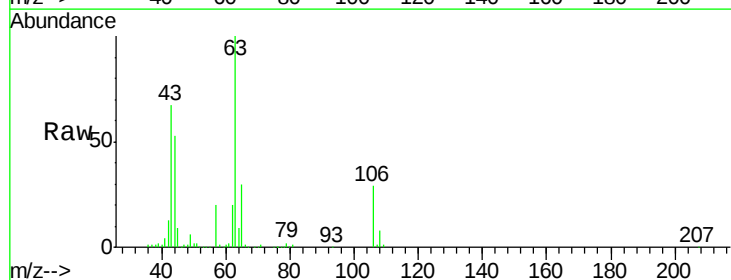
Manual Integrations
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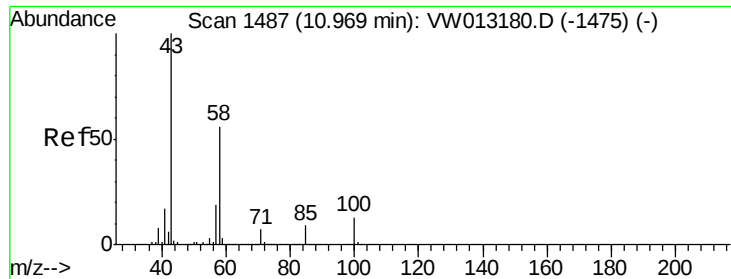
MMDadoda
 9/24/2019 5:29:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.016 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion: 63 Resp: 160846
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.4 35.0





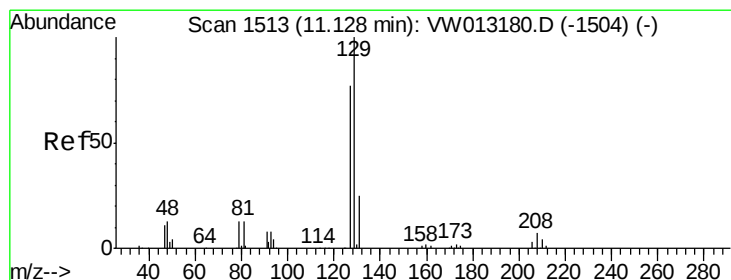
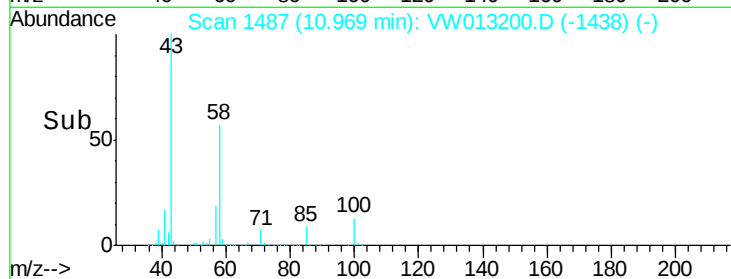
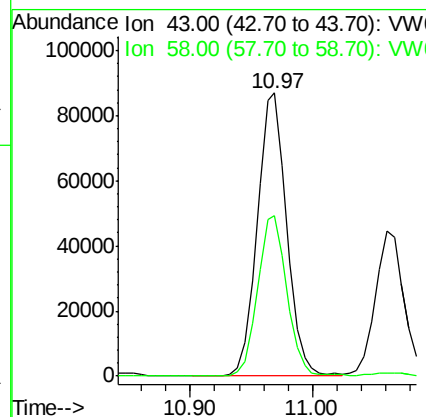
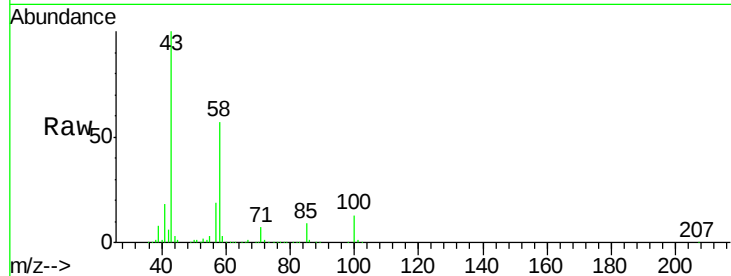
#59
2-Hexanone
Concen: 100.425 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion: 43 Resp: 145722
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.2

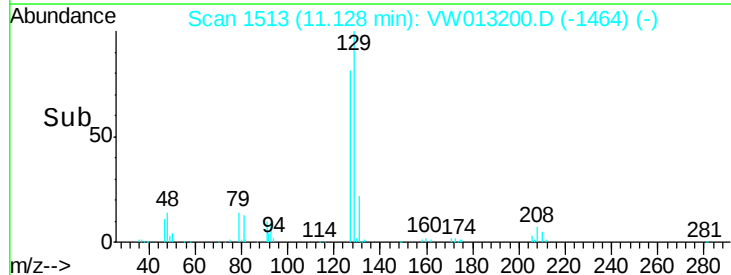
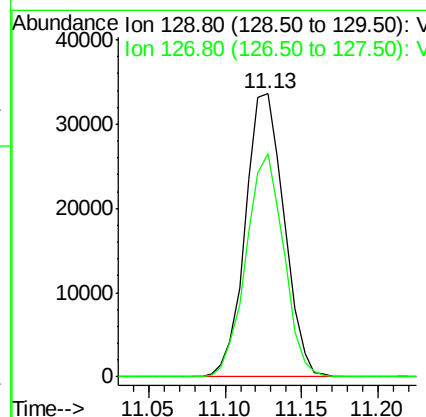
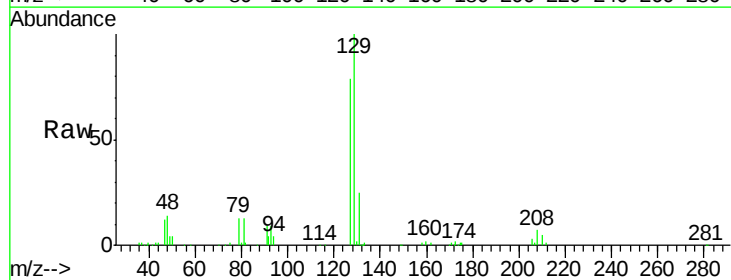
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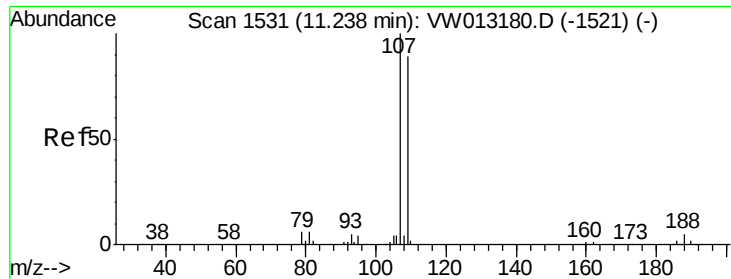
MMDadoda
9/24/2019 5:29:02 AM



#60
Dibromochloromethane
Concen: 20.433 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 129 Resp: 59216
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.4





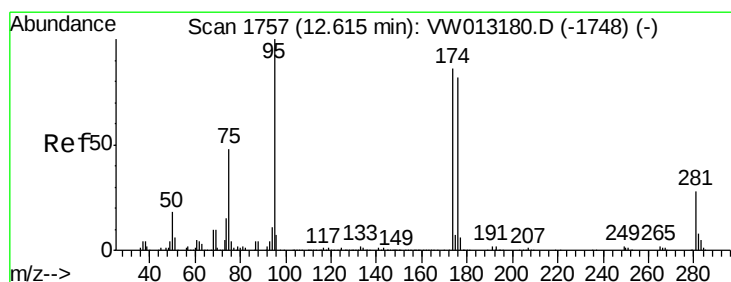
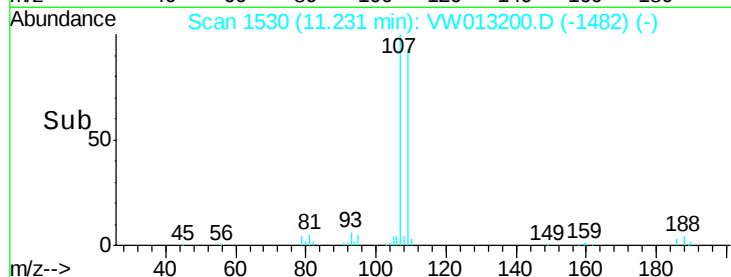
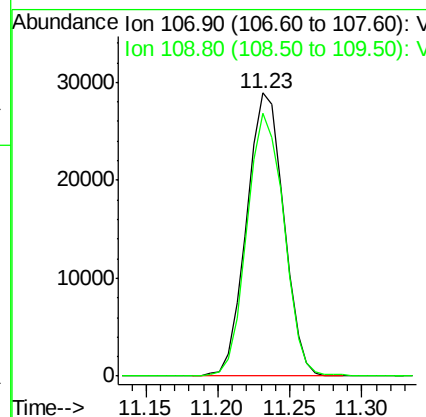
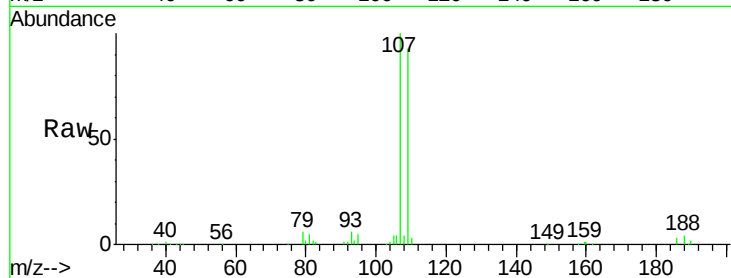
#61
 1,2-Dibromoethane
 Concen: 21.232 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.2	112.8

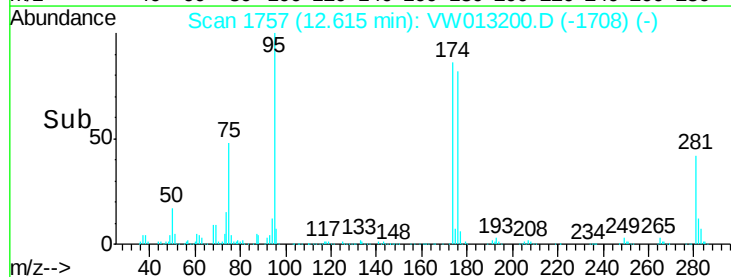
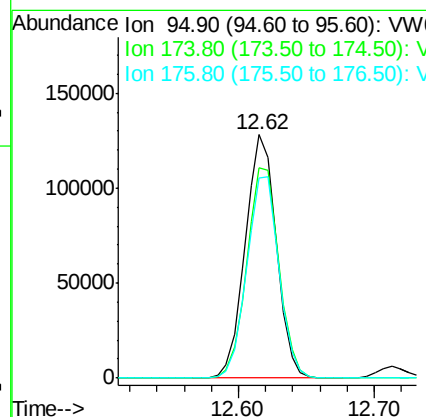
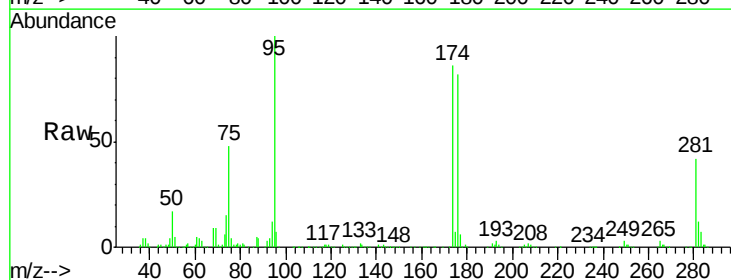
Manual Integrations
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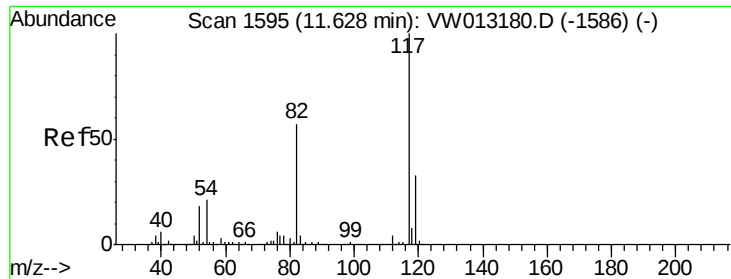
MMDadoda
 9/24/2019 5:29:02 AM



#62
 4-Bromofluorobenzene
 Concen: 48.877 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	178.4
176	85.5	0.0	172.2





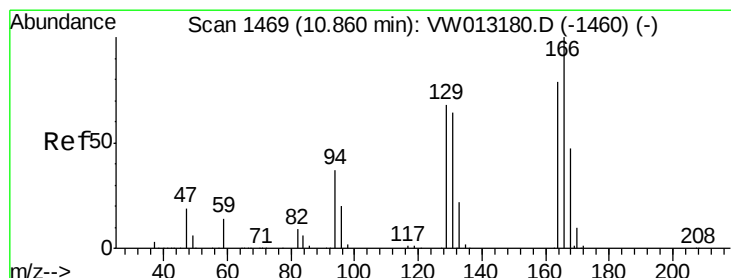
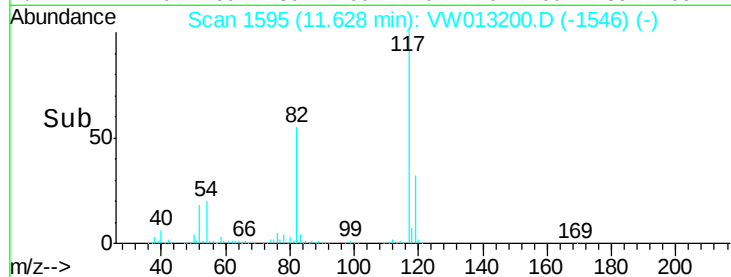
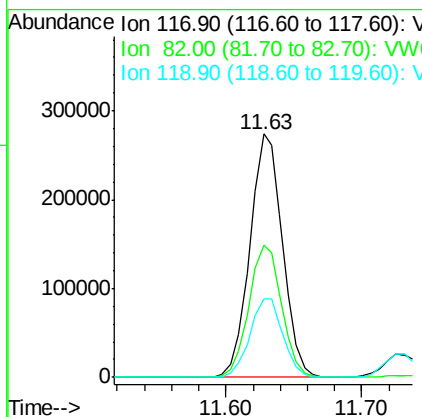
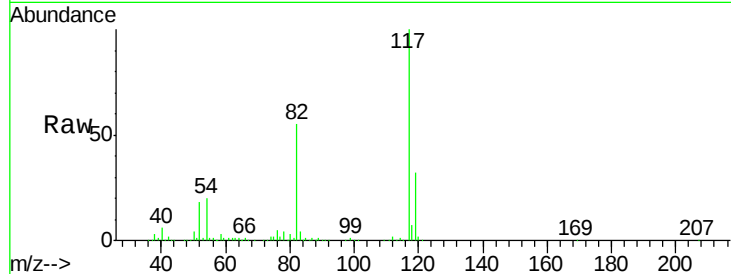
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	459878		
82	54.6	45.9	68.9	
119	32.4	26.2	39.2	

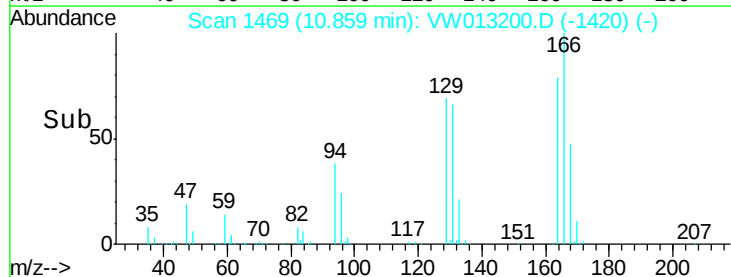
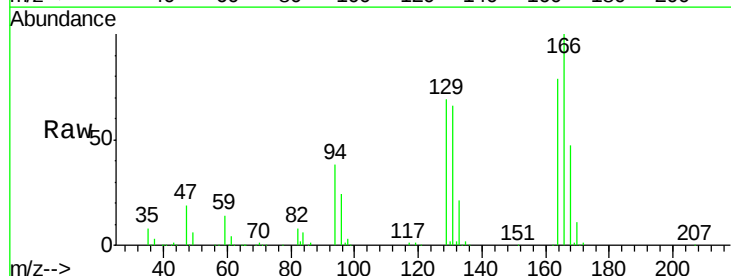
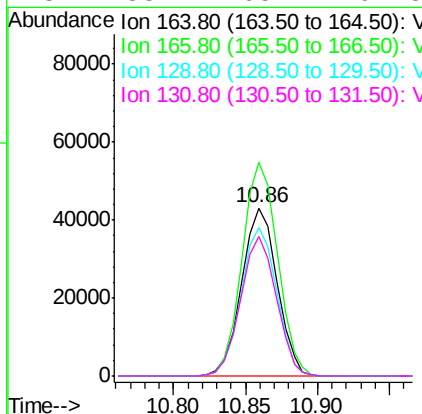
Manual Integrations
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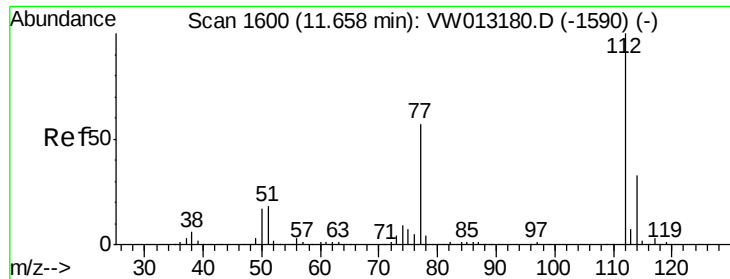
MMDadoda
9/24/2019 5:29:02 AM



#64
Tetrachloroethene
Concen: 21.064 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73497		
166	126.9	101.2	151.8	
129	88.0	68.8	103.2	
131	83.2	65.2	97.8	





#65

Chlorobenzene

Concen: 20.039 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBSD02

Tot Ion:112 Resp: 192435

Ion Ratio Lower Upper

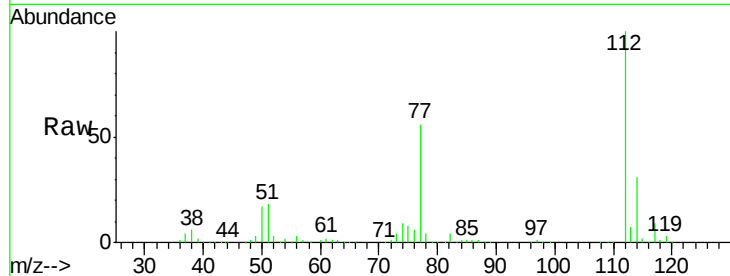
112 100

114 30.6 26.5 39.7

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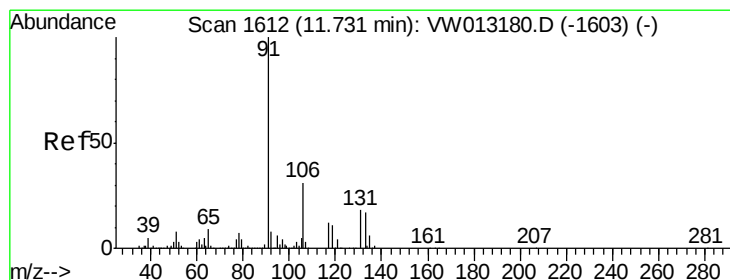
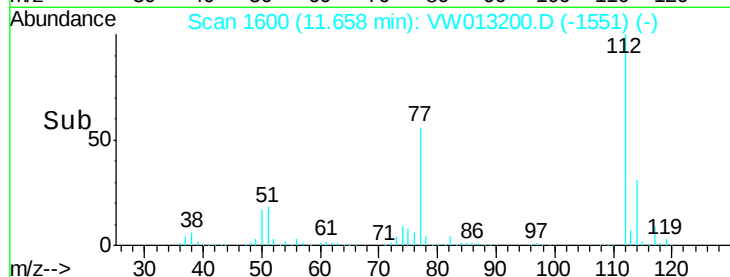
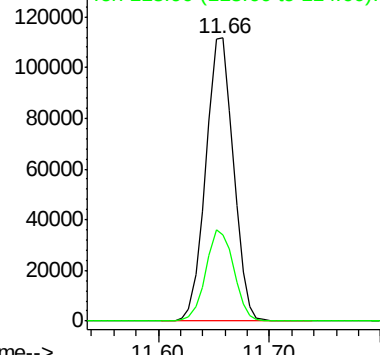
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.368 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

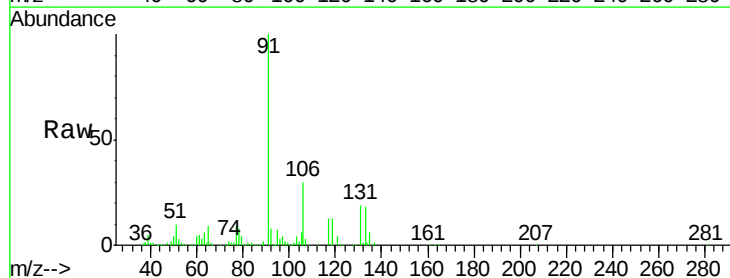
Tgt Ion:131 Resp: 66821

Ion Ratio Lower Upper

131 100

133 96.7 47.5 142.6

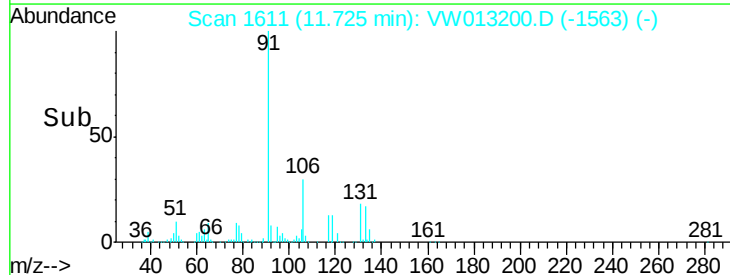
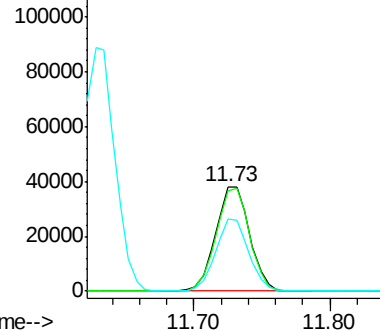
119 67.0 32.5 97.5

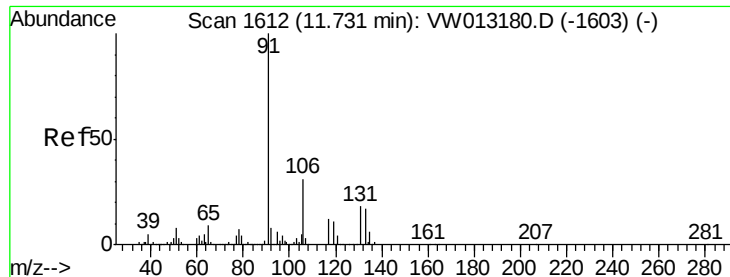


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





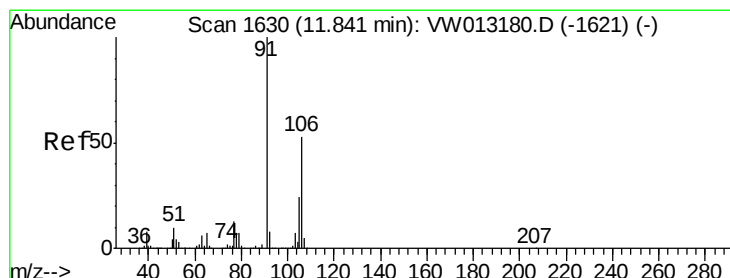
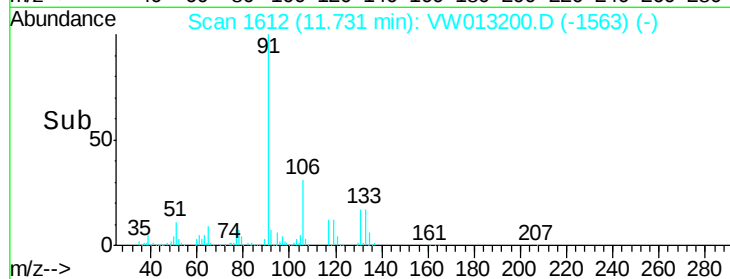
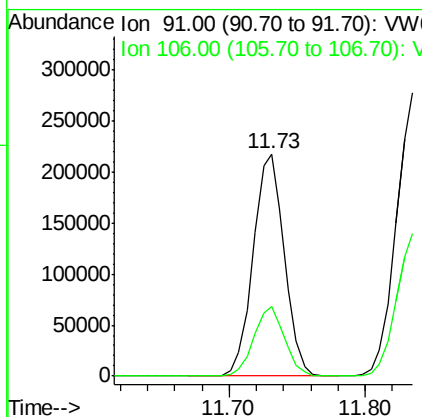
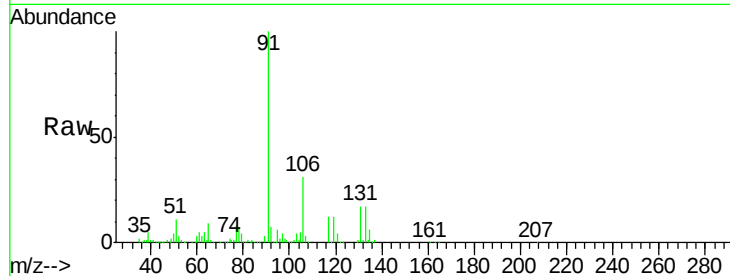
#67
Ethyl Benzene
Concen: 20.090 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.9	37.3

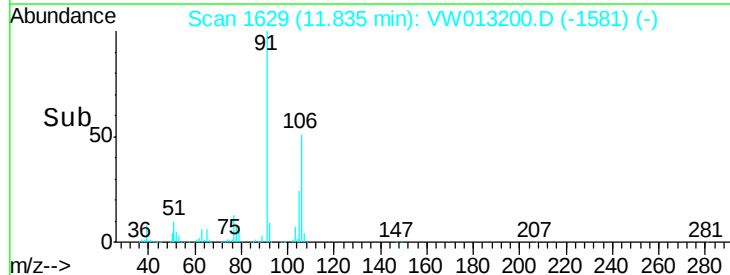
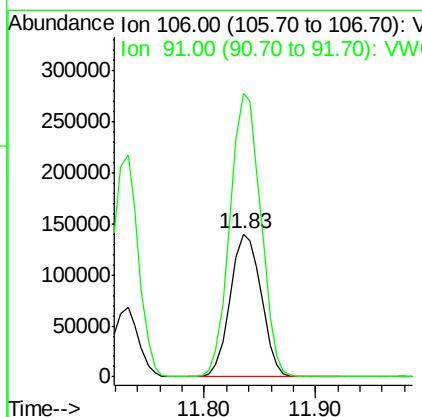
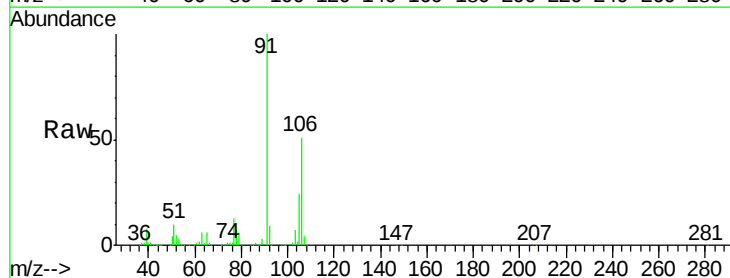
Manual Integrations
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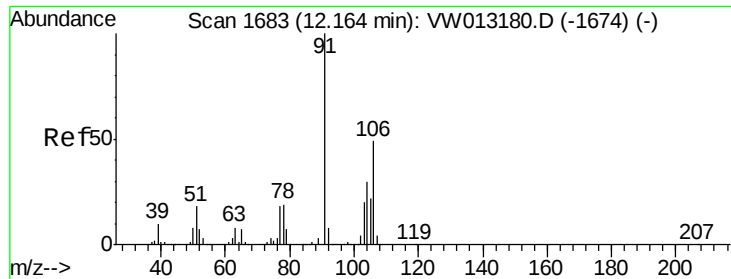
MMDadoda
9/24/2019 5:29:02 AM



#68
m/p-Xylenes
Concen: 40.548 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.9	157.9	236.9





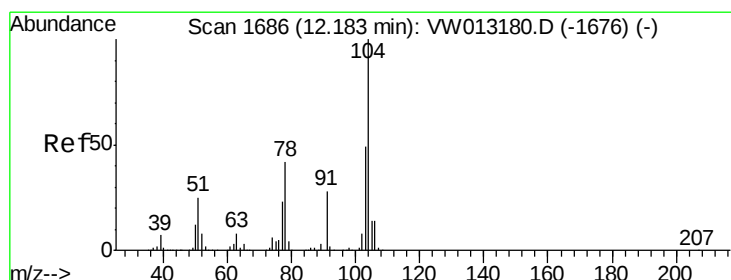
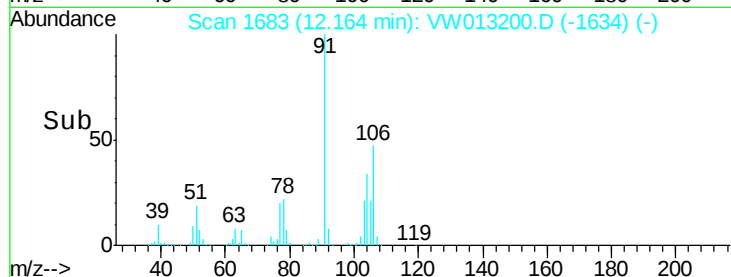
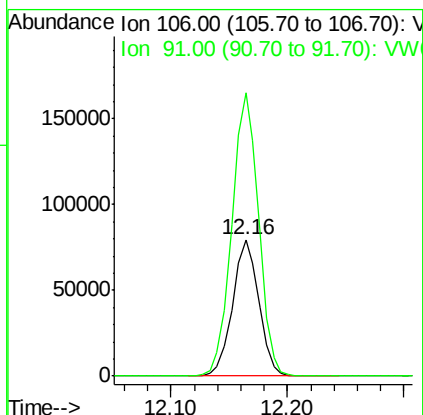
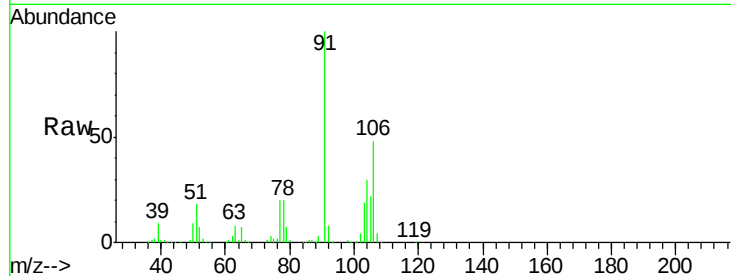
#69
o-Xylene
Concen: 20.178 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	106.5	319.5

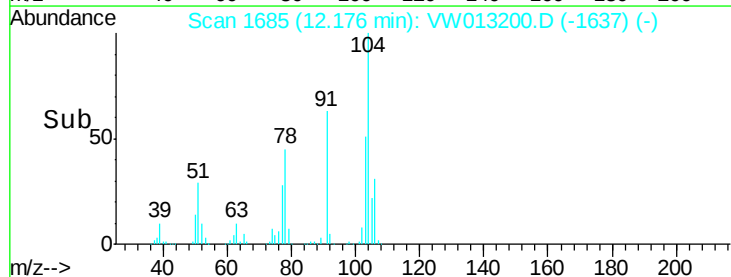
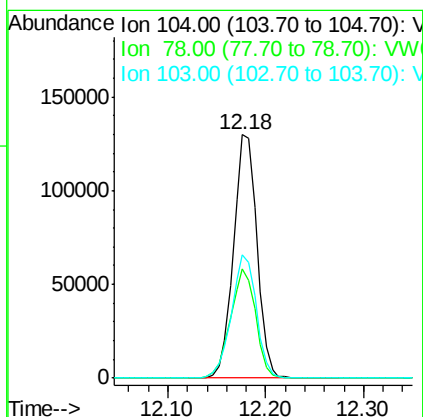
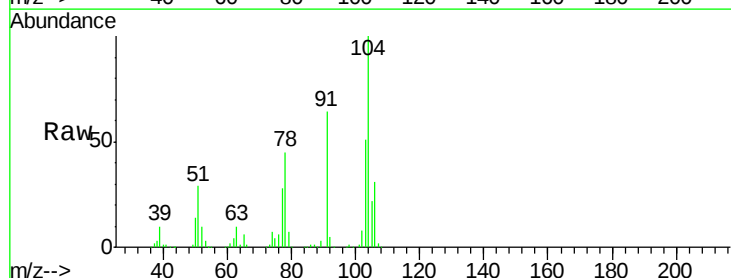
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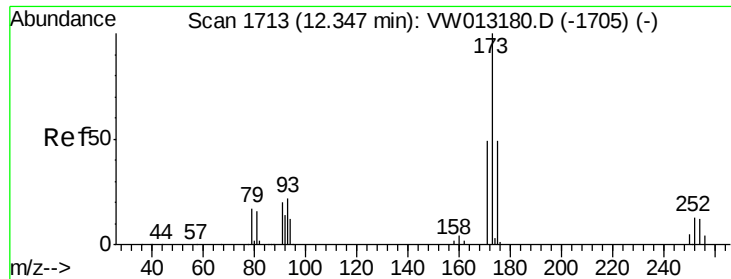
MMDadoda
9/24/2019 5:29:02 AM



#70
Styrene
Concen: 20.462 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.4	57.6
103	53.8	43.3	64.9





#71

Bromoform

Concen: 20.444 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

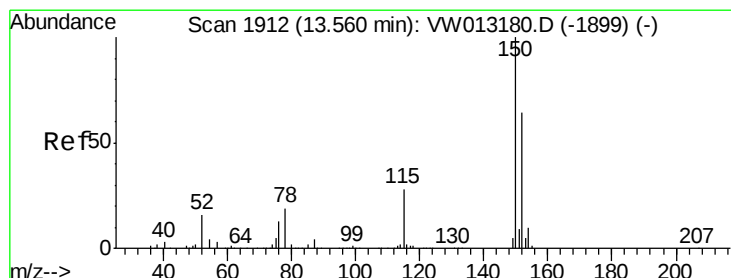
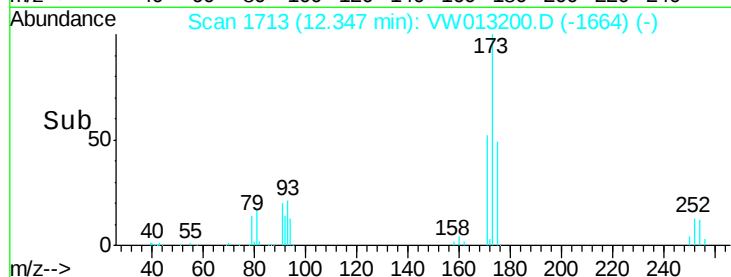
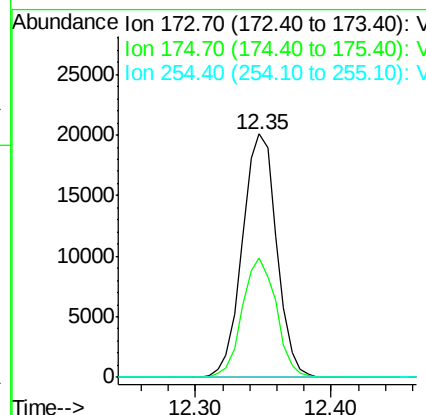
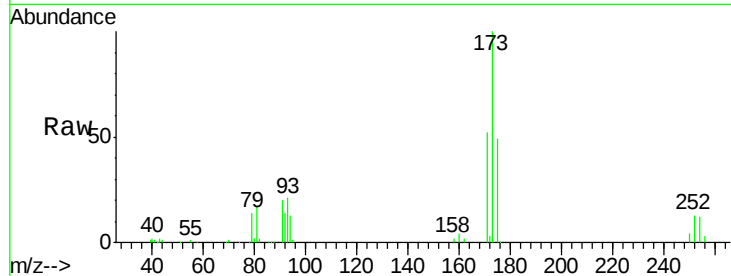
ClientSampleId :

VW0920SBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	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

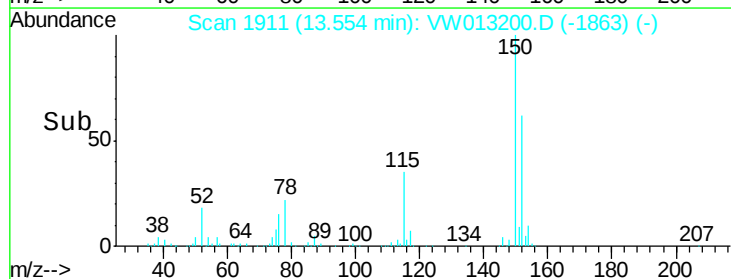
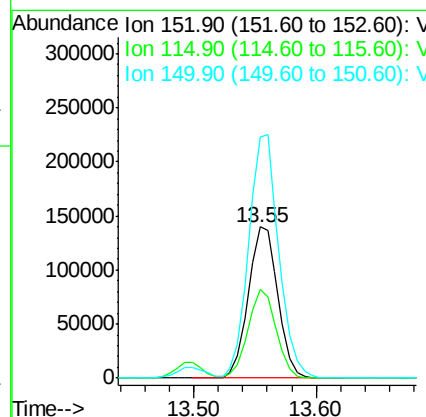
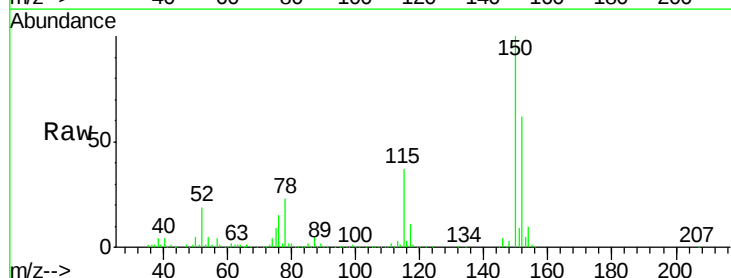
RT: 13.55 min Scan# 1911

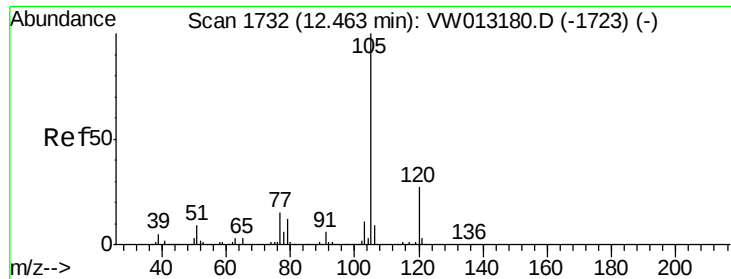
Delta R.T. -0.01 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.3	81.9
150	164.9	0.0	349.0





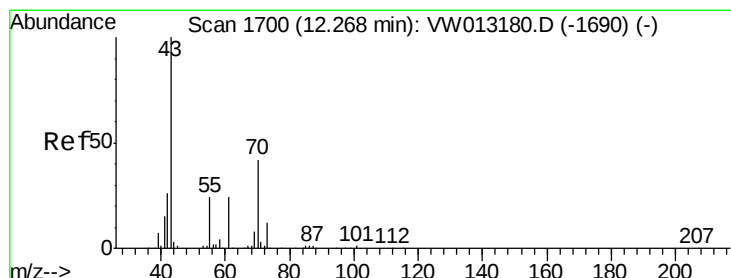
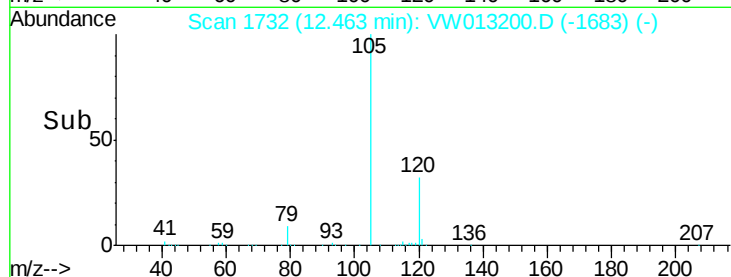
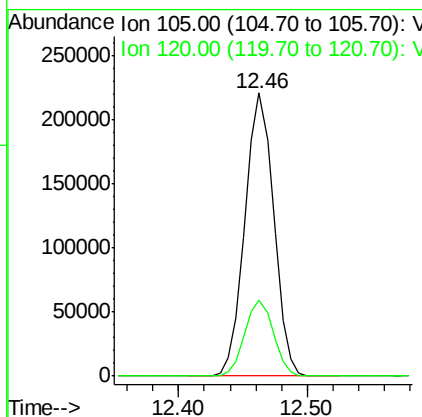
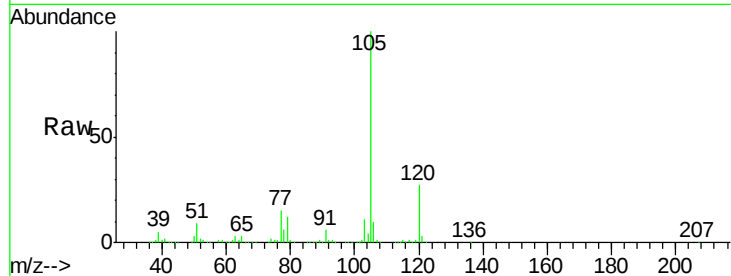
#73
Isopropylbenzene
Concen: 19.790 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion:105 Resp: 341162
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.1

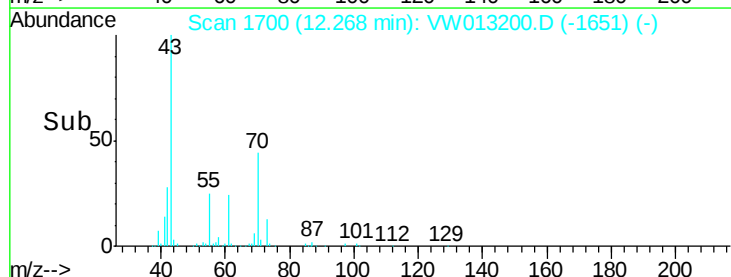
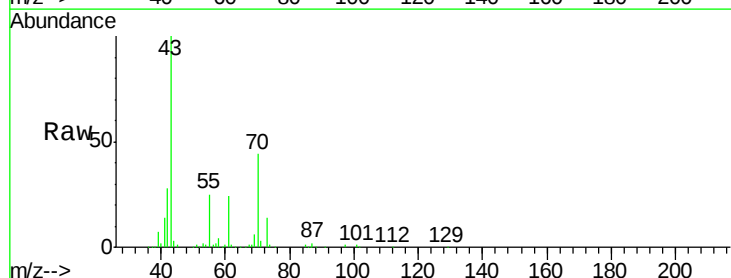
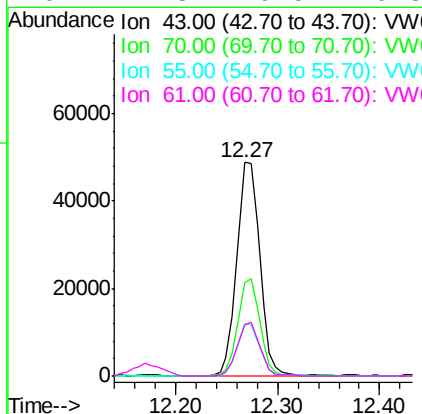
Manual Integrations
APPROVED

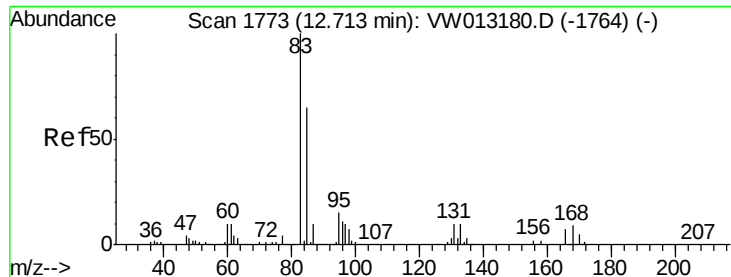
MMDadoda
9/24/2019 5:29:02 AM



#74
N-ethyl acetate
Concen: 19.944 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion: 43 Resp: 76295
Ion Ratio Lower Upper
43 100
70 43.7 35.1 52.7
55 24.8 19.9 29.9
61 24.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.747 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

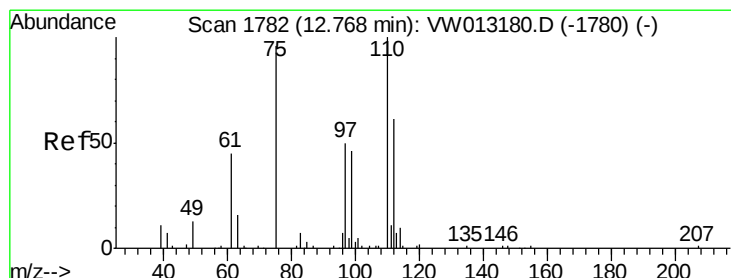
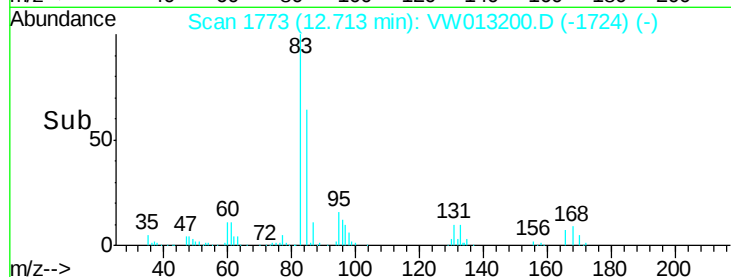
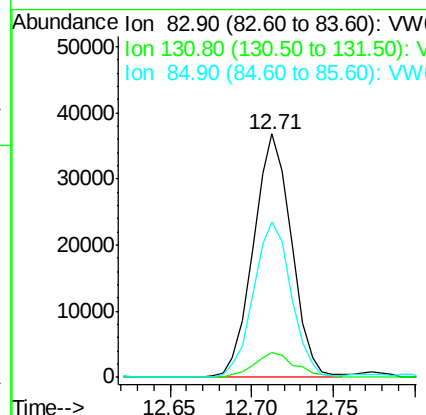
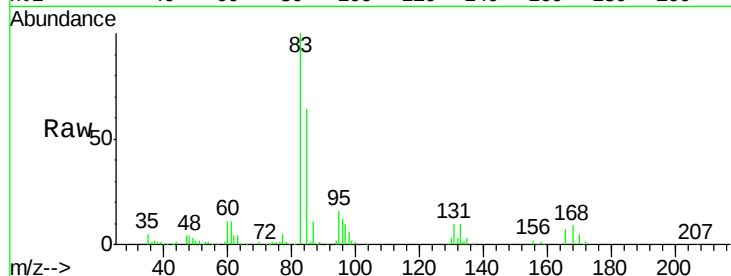
ClientSampleId :

VW0920SBSD02

Tot Ion:	83	Resp:	59817
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	63.6	31.9	95.9

Manual Integrations
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MMDadoda
9/24/2019 5:29:02 AM



#76

1,2,3-Trichloropropane

Concen: 22.227 ug/l m

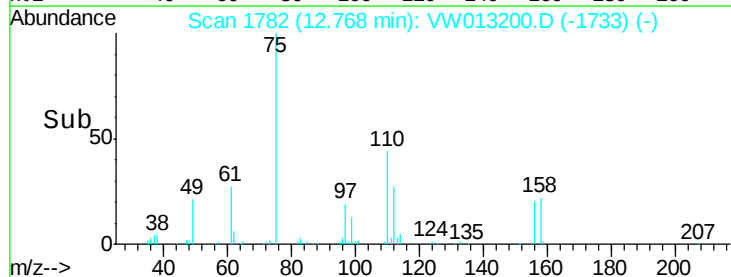
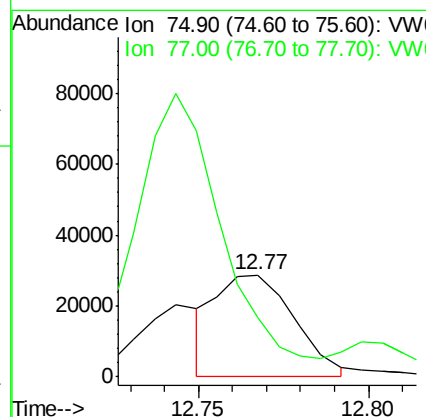
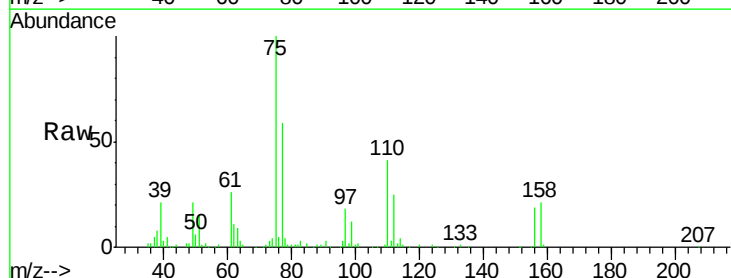
RT: 12.77 min Scan# 1782

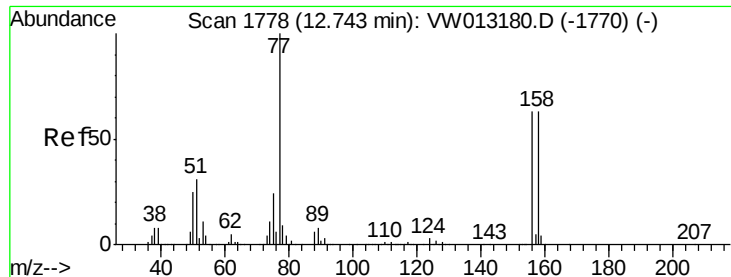
Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Tgt Ion:	75	Resp:	45809
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.295 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013200.D

Acq: 20 Sep 2019 23:36

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS02

Tot Ion:156 Resp: 82909

Ion Ratio Lower Upper

156 100

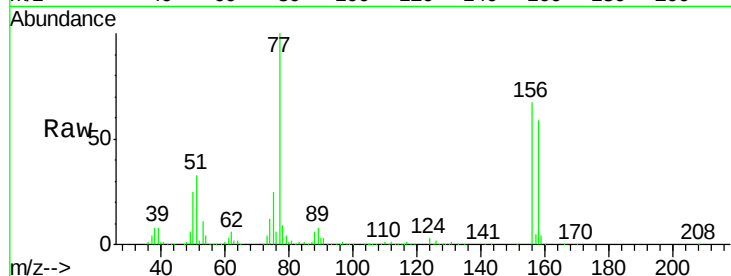
77 174.4 85.7 257.1

158 95.7 48.1 144.4

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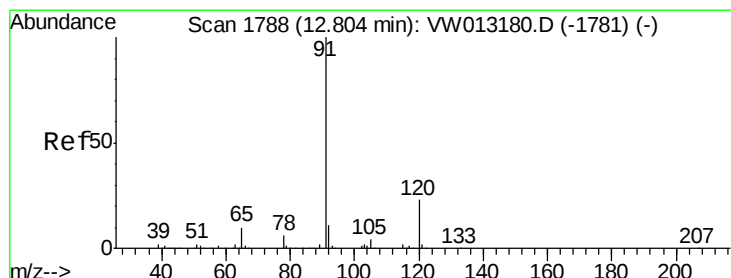
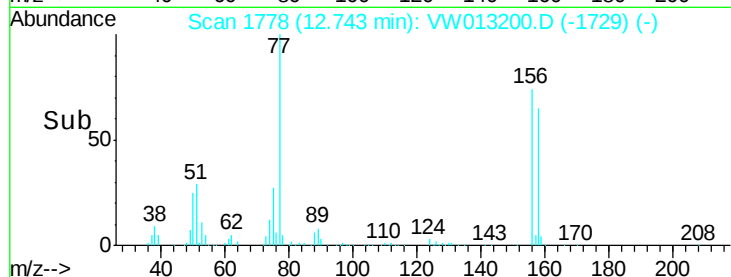
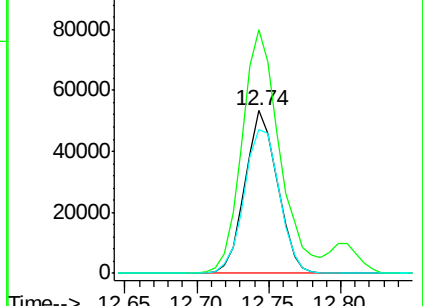
9/24/2019 5:29:02 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.671 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013200.D

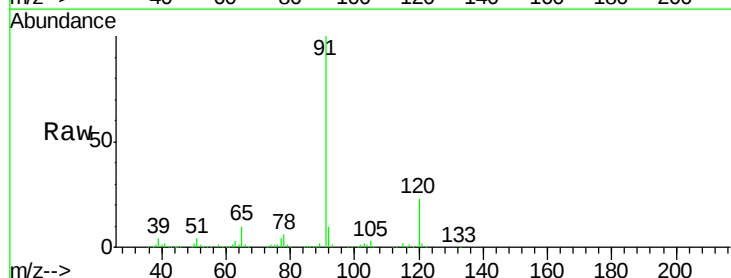
Acq: 20 Sep 2019 23:36

Tgt Ion: 91 Resp: 396942

Ion Ratio Lower Upper

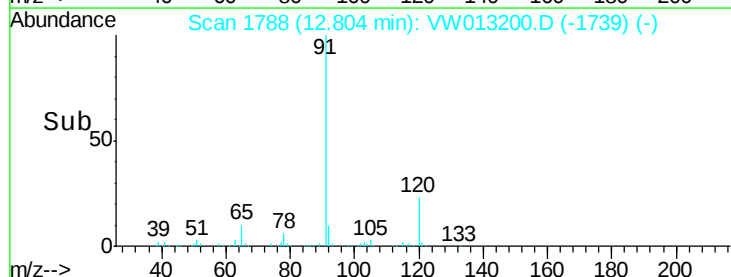
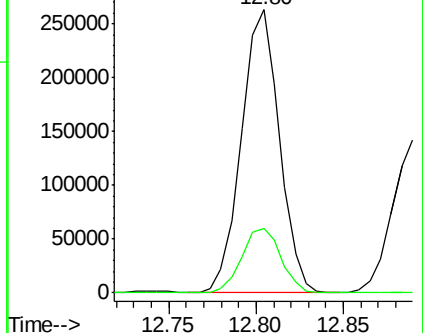
91 100

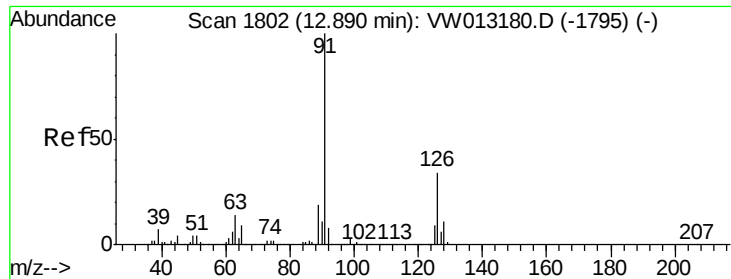
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





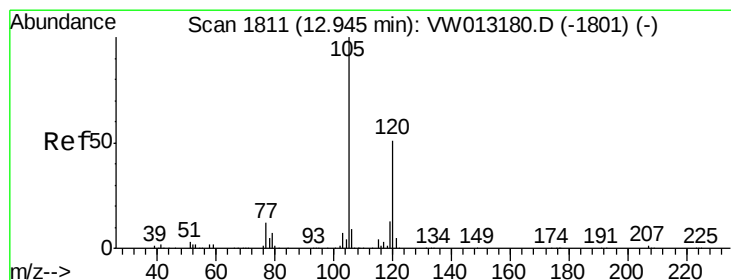
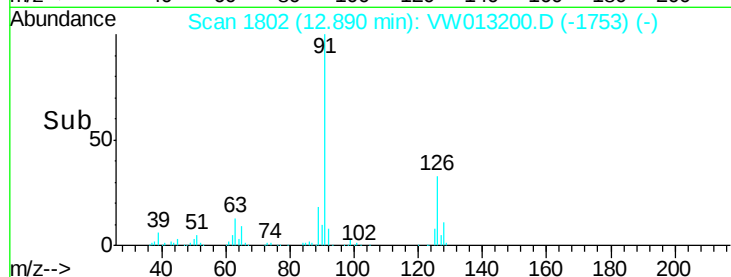
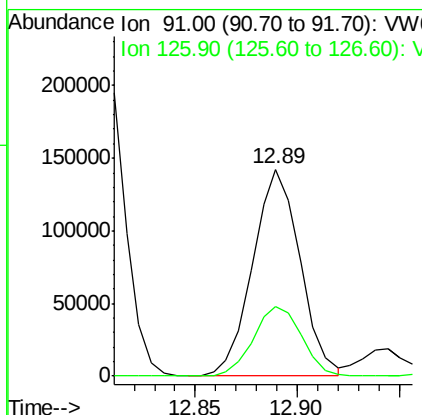
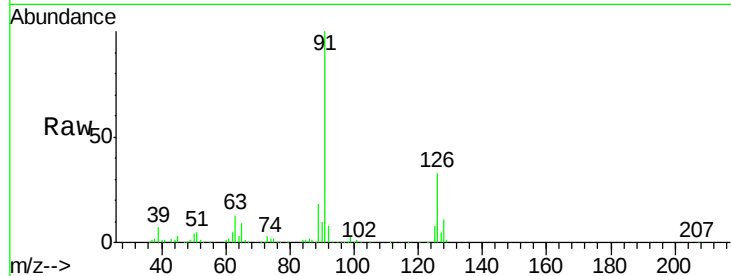
#79
 2-Chlorotoluene
 Concen: 20.260 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBSD02

Tot Ion: 91 Resp: 229042
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.2 51.5

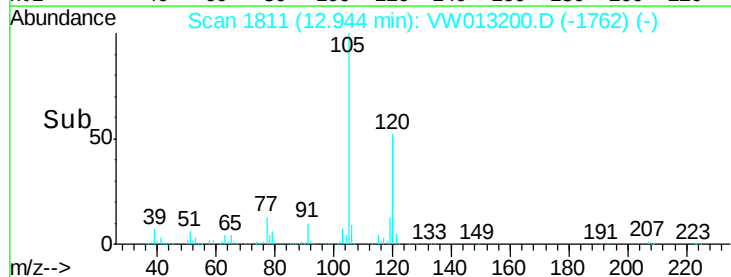
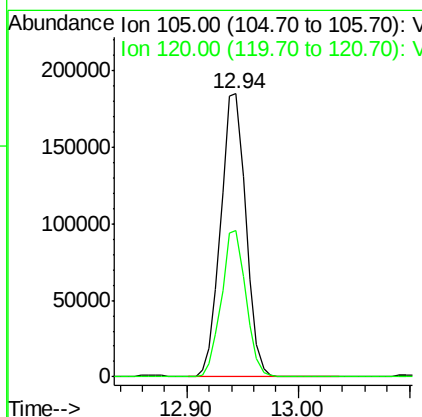
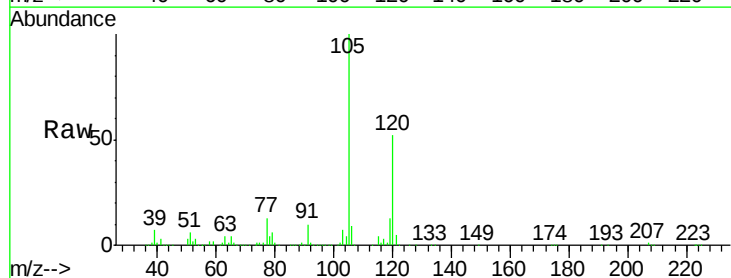
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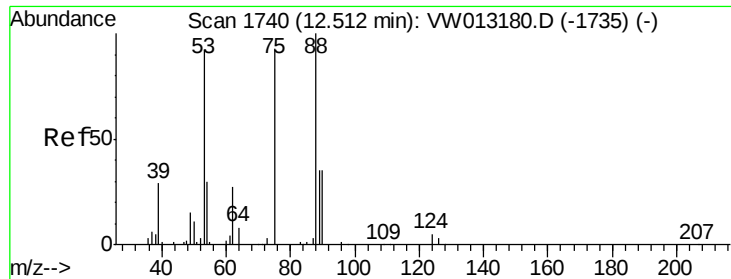
MMDadoda
 9/24/2019 5:29:02 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.040 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion:105 Resp: 290411
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.9 74.8





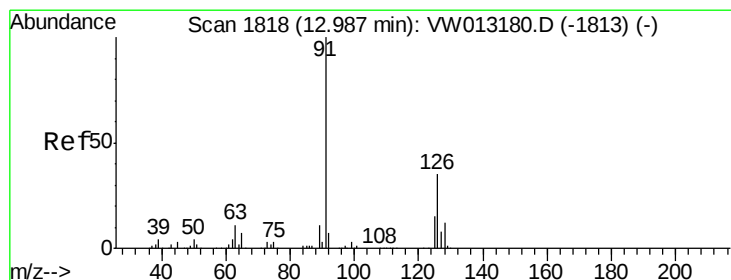
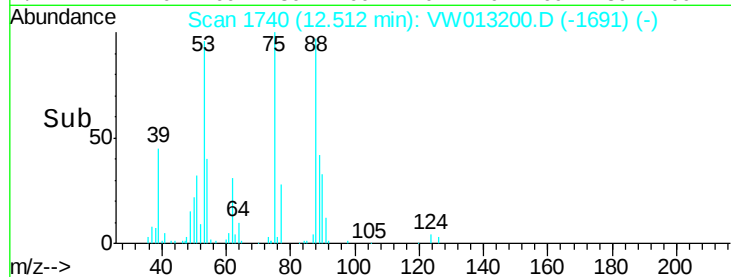
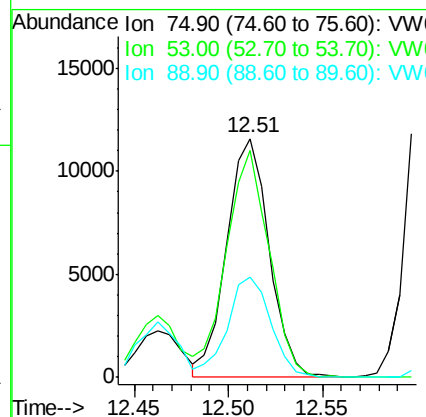
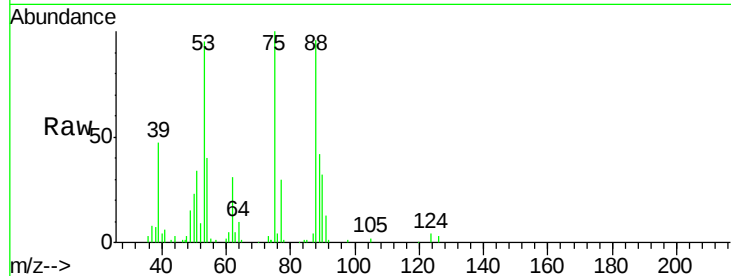
#81
trans-1,4-Dichloro-2-butene
Concen: 19.792 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	76.6	114.8
89	42.7	33.5	50.3

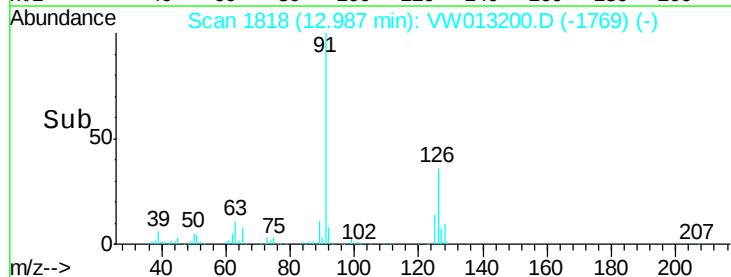
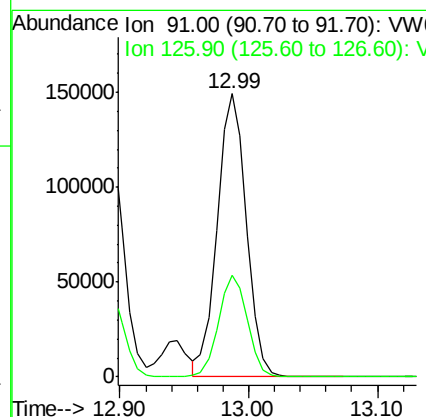
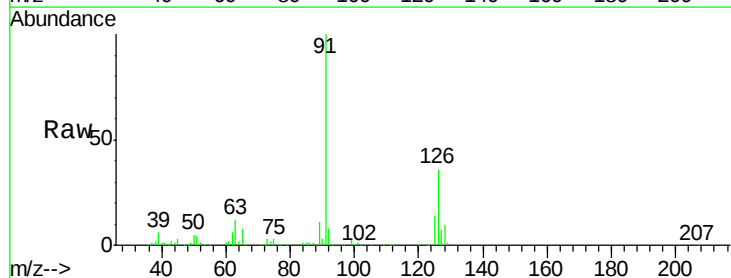
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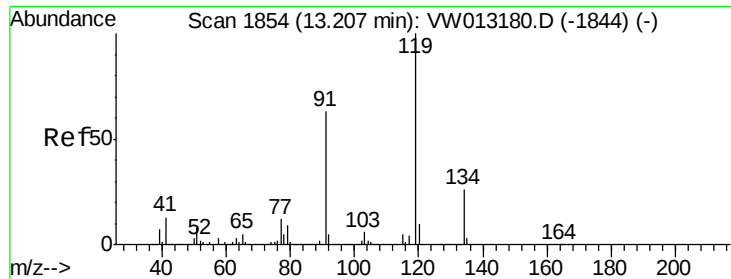
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#82
4-Chlorotoluene
Concen: 19.855 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.3	51.7





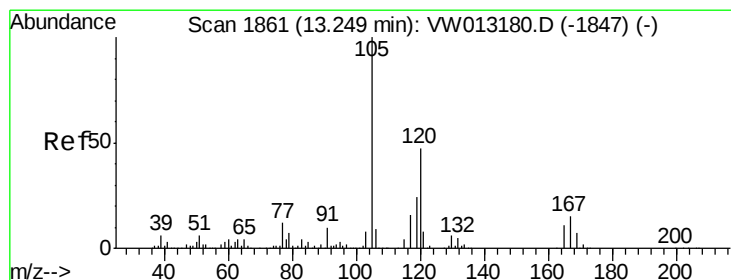
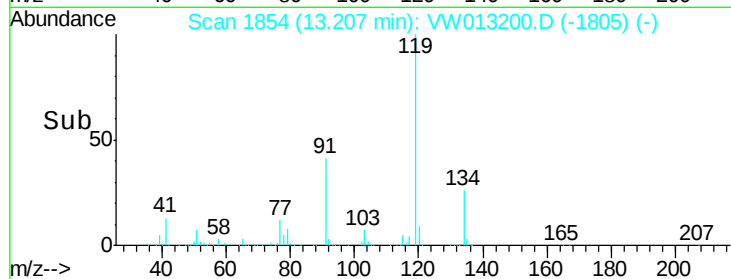
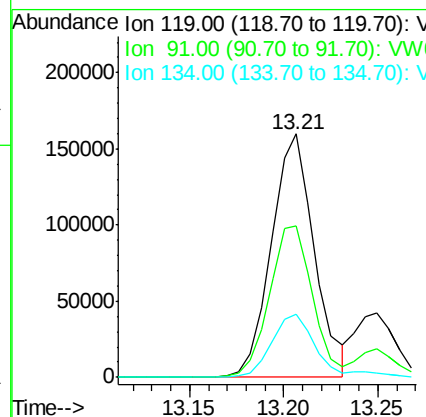
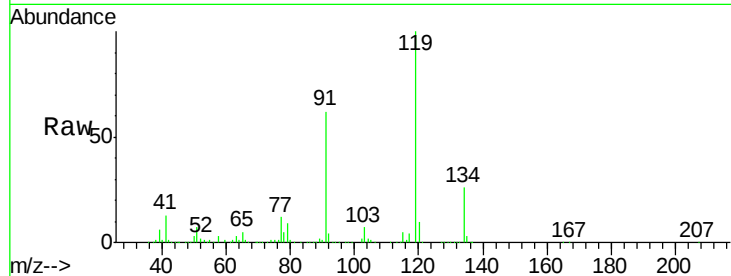
#83
tert-Butylbenzene
Concen: 19.824 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	252144		
91	62.5	30.7	92.1	
134	27.5	12.6	37.6	

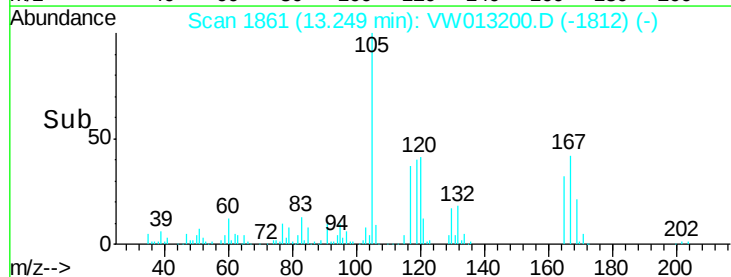
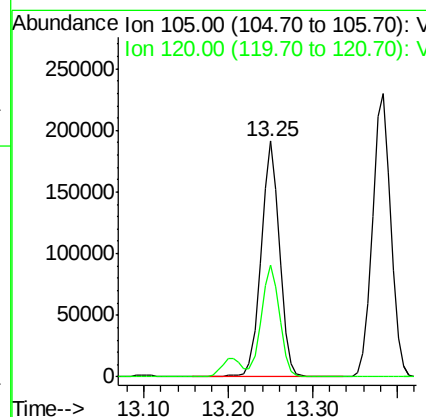
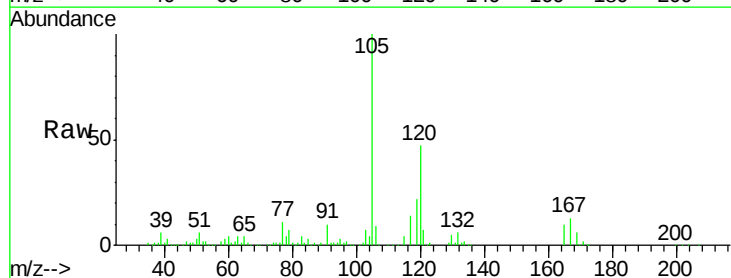
Manual Integrations
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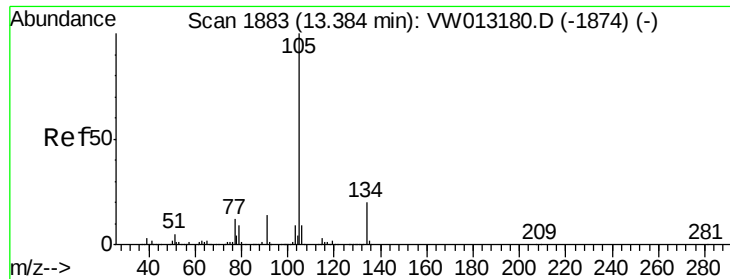
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#84
1,2,4-Trimethylbenzene
Concen: 19.959 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	287810		
120	47.3	23.4	70.3	





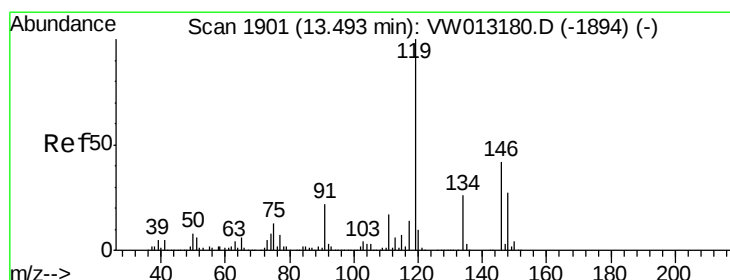
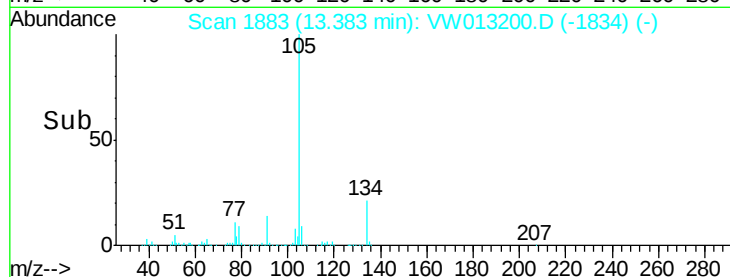
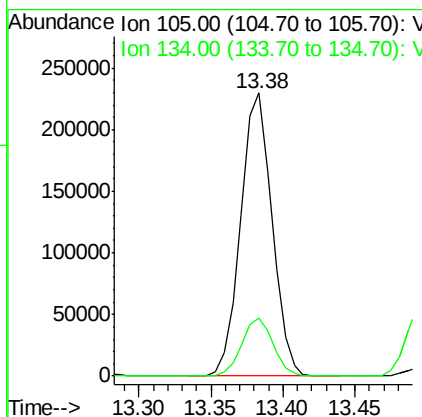
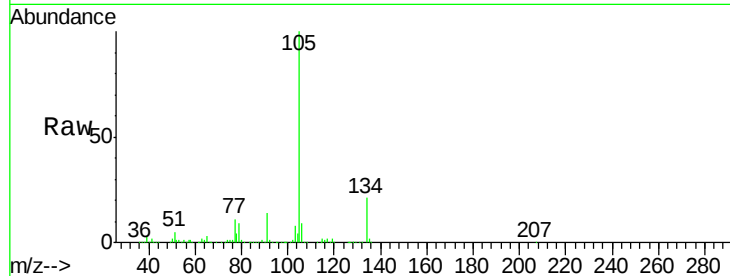
#85
 sec-Butylbenzene
 Concen: 19.780 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0920SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.8

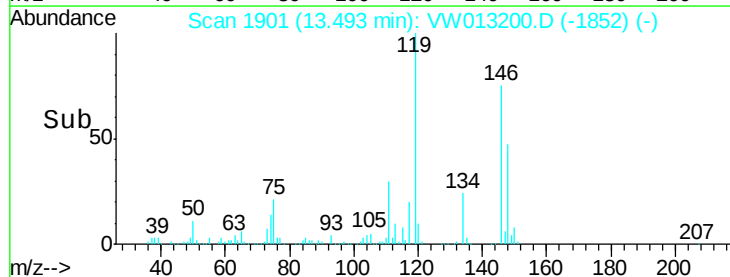
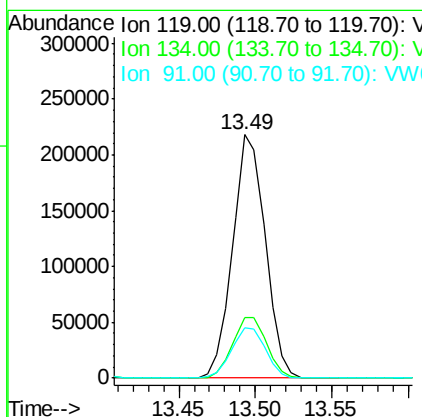
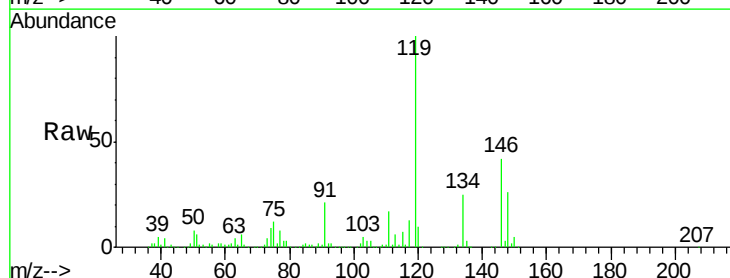
Manual Integrations
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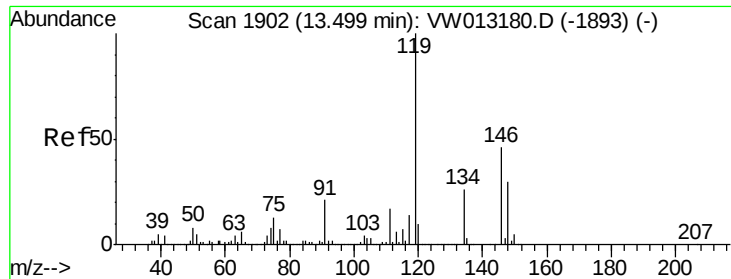
MMDadoda
 9/24/2019 5:29:02 AM



#86
 p-Isopropyltoluene
 Concen: 19.794 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	21.9	10.8	32.4





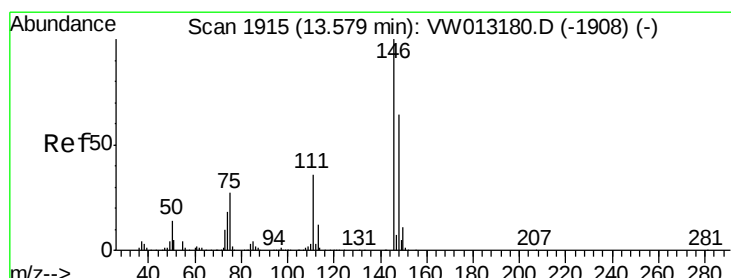
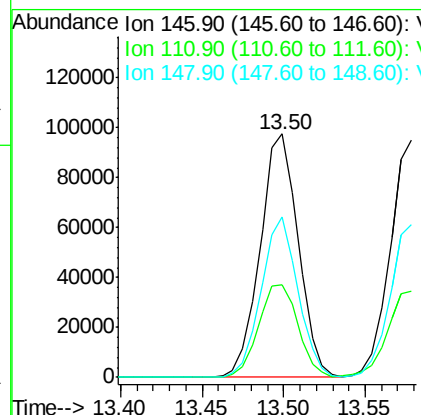
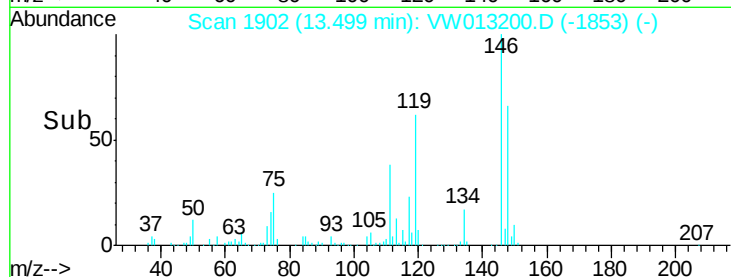
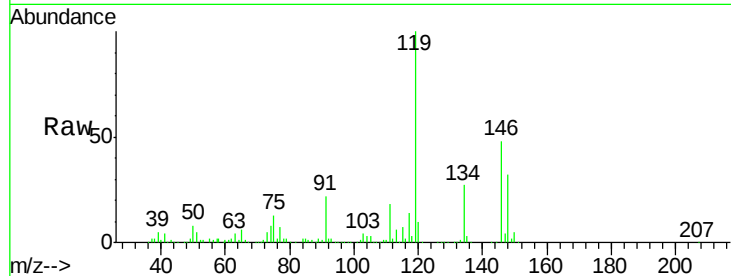
#87
 1,3-Dichlorobenzene
 Concen: 20.052 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	157653		
111	39.8	18.9	56.9	
148	63.5	31.9	95.5	

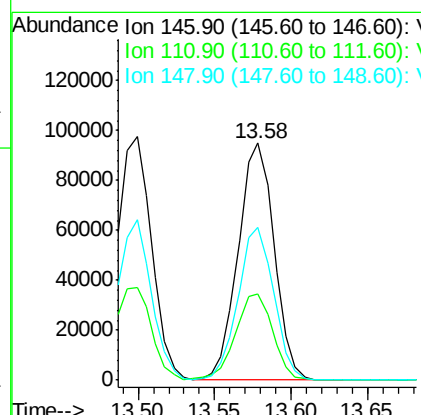
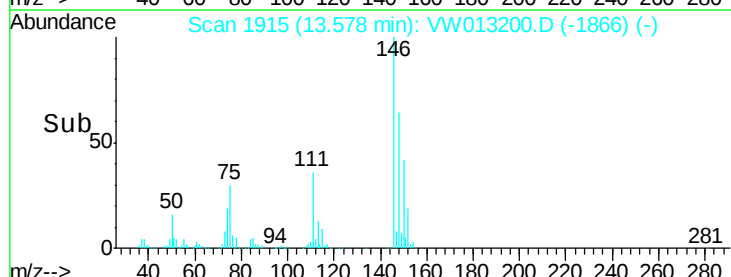
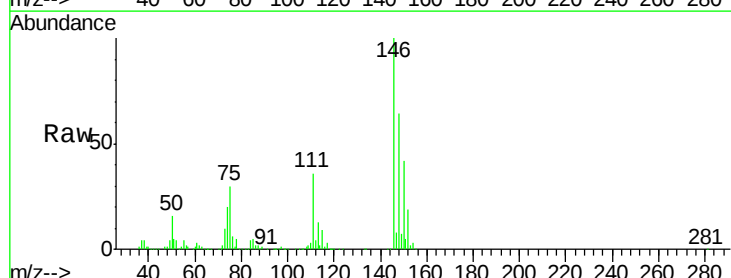
Manual Integrations
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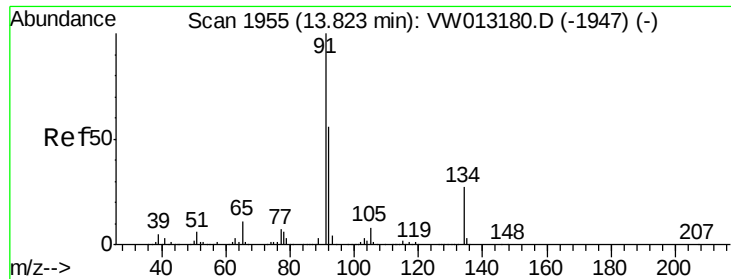
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#88
 1,4-Dichlorobenzene
 Concen: 20.125 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	155184		
111	37.3	18.4	55.0	
148	64.0	32.1	96.3	





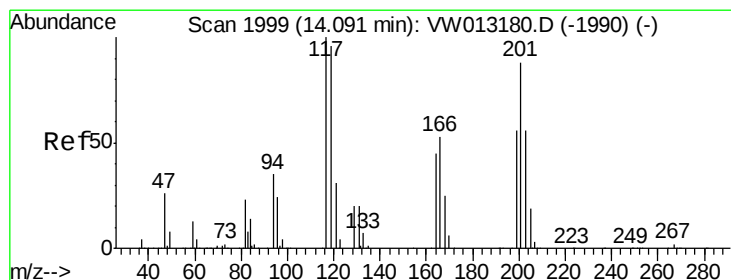
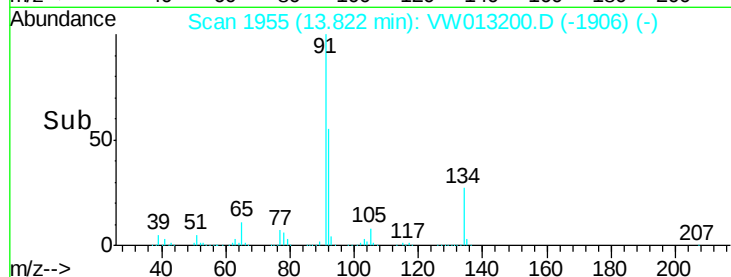
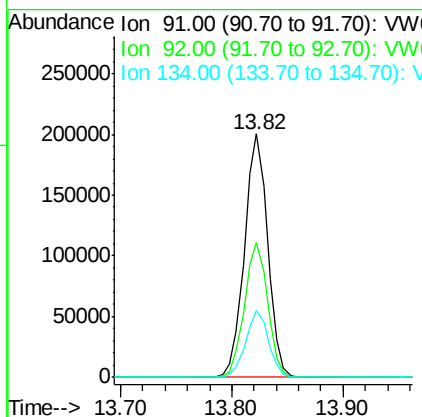
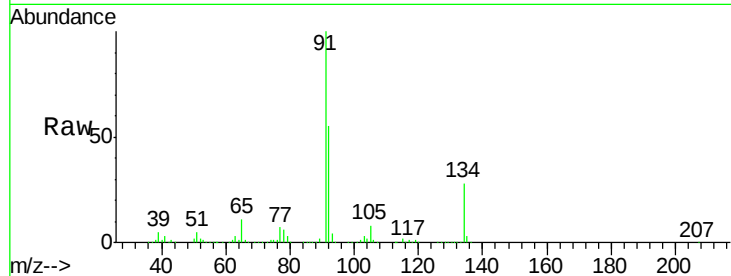
#89
n-Butylbenzene
Concen: 19.445 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleID :
VW0920SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	288783		
92	55.4		27.6	82.8
134	27.1		13.7	41.1

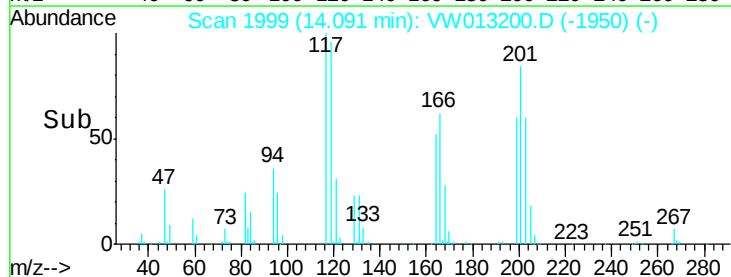
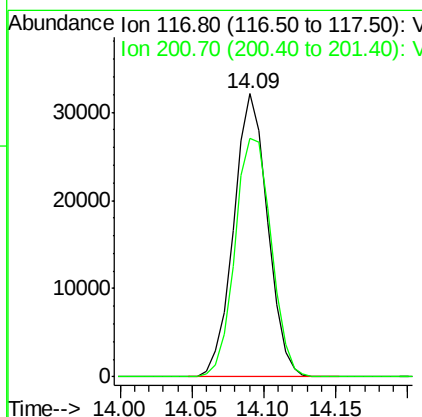
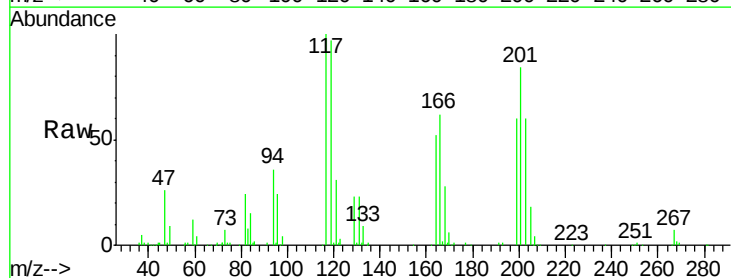
Manual Integrations
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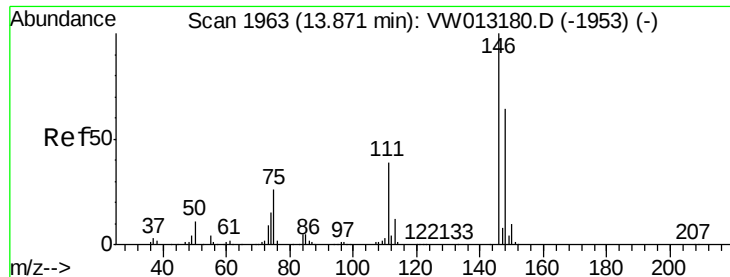
MMDadoda
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#90
Hexachloroethane
Concen: 19.280 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52679		
201	89.8		44.5	133.5





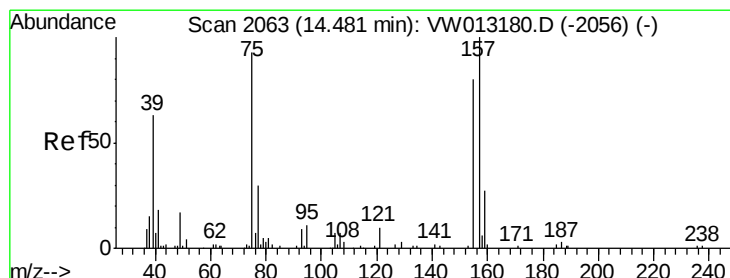
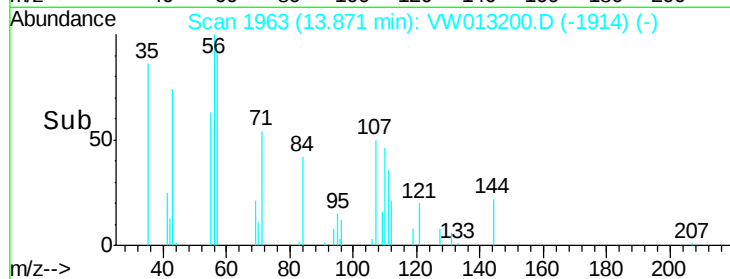
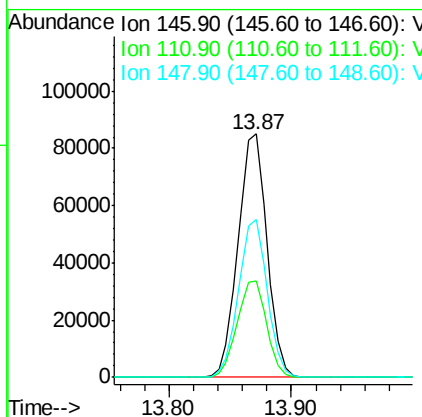
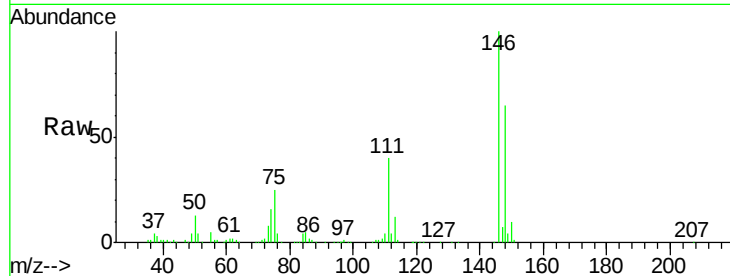
#91
 1,2-Dichlorobenzene
 Concen: 20.479 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139297		
111	40.4	20.1	60.3	
148	64.4	32.0	96.0	

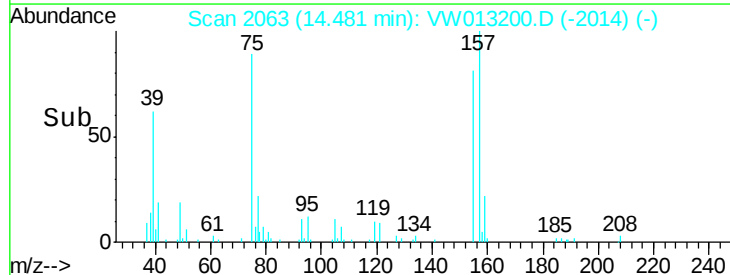
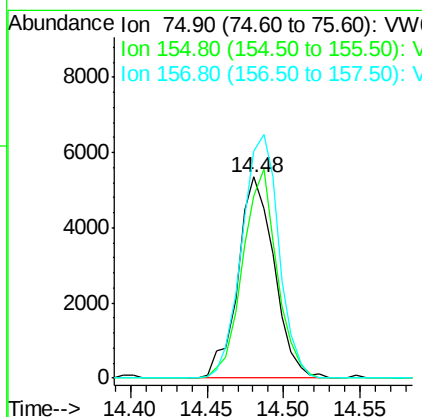
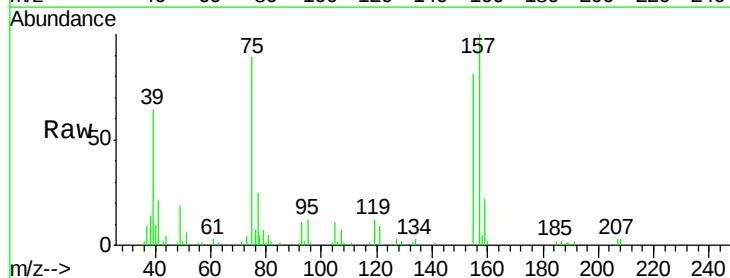
Manual Integrations
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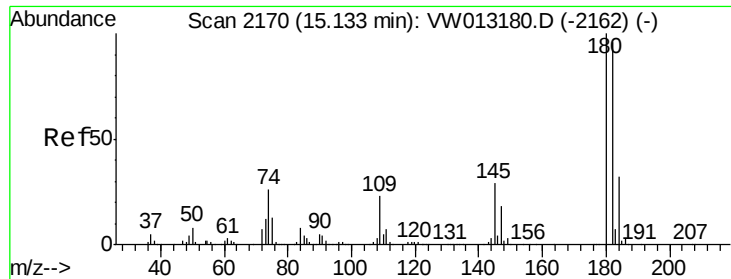
MMDadoda
 9/24/2019 5:29:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.966 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8805		
155	98.2	46.1	138.3	
157	123.6	60.4	181.2	





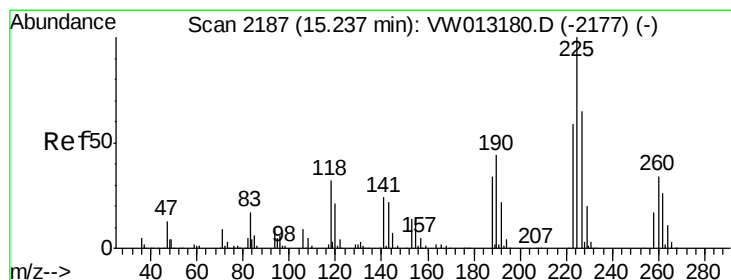
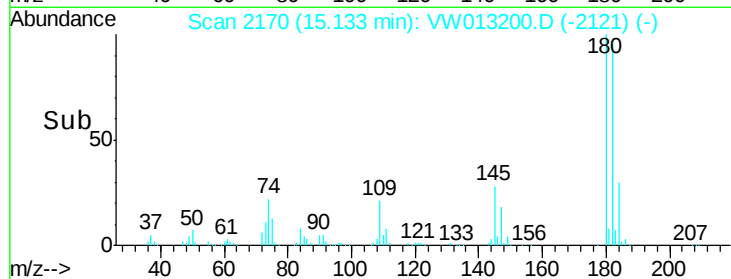
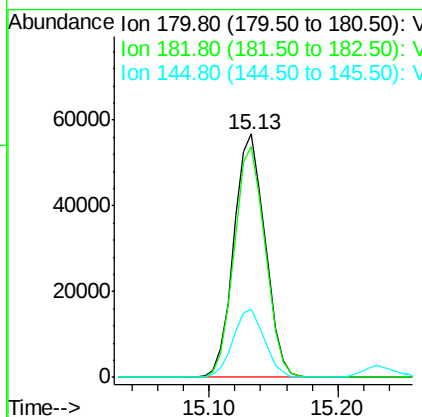
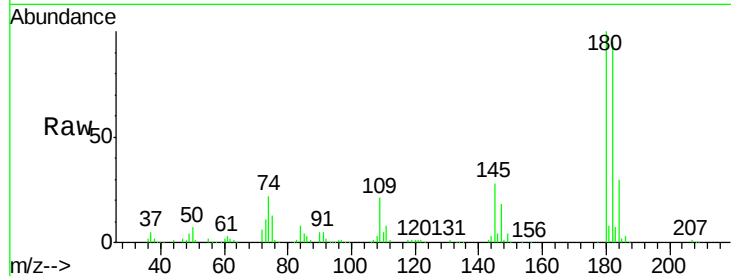
#93
 1,2,4-Trichlorobenzene
 Concen: 19.610 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	142.0
145	28.0	14.2	42.8

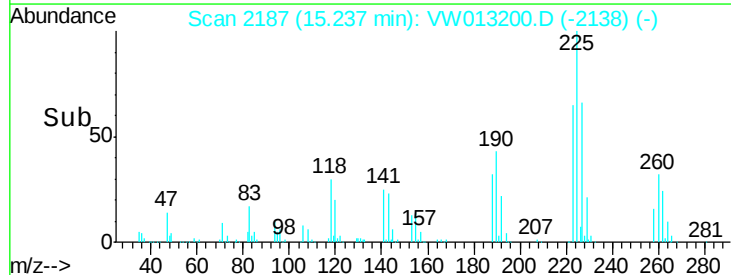
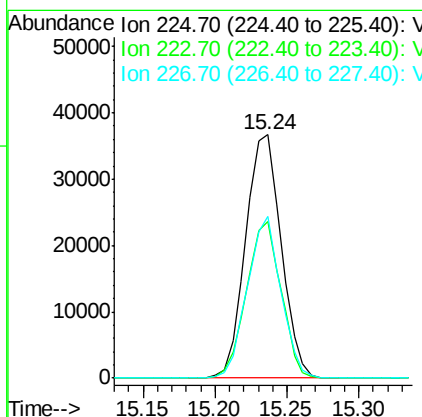
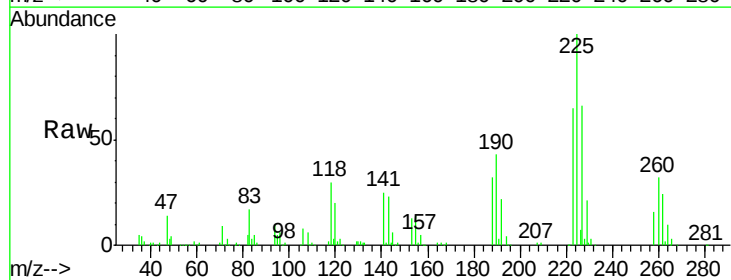
Manual Integrations
 APPROVED

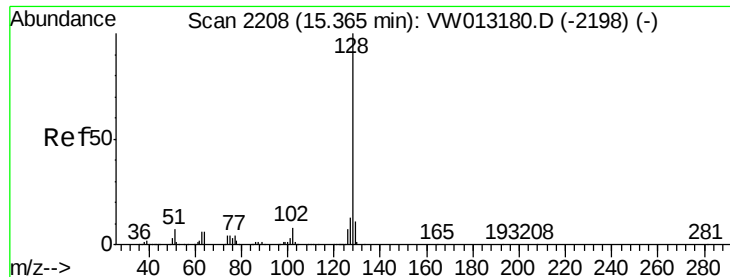
MMDadoda
 9/24/2019 5:29:02 AM



#94
 Hexachlorobutadiene
 Concen: 18.789 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013200.D
 Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.6	91.8
227	62.7	31.9	95.9





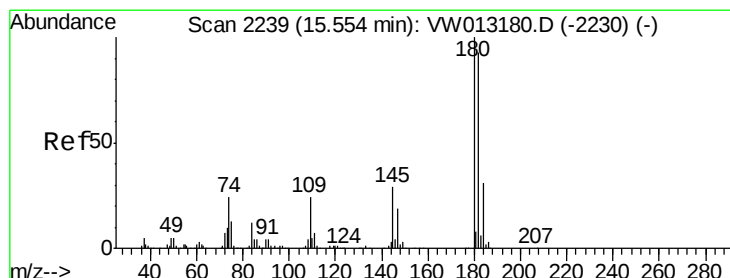
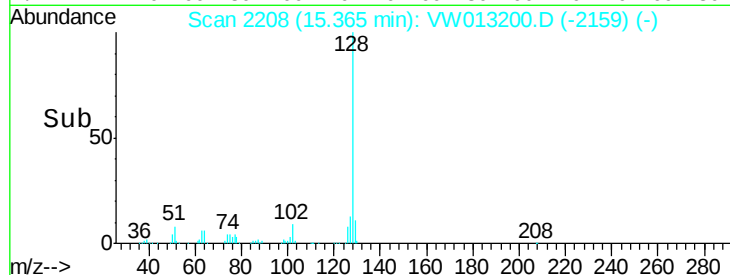
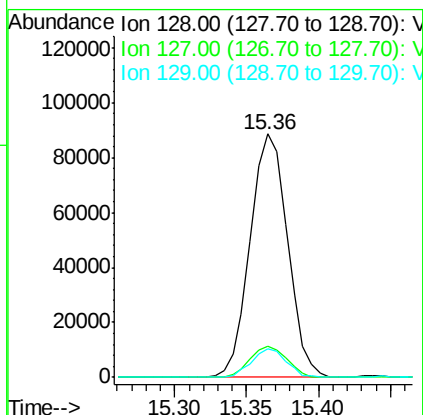
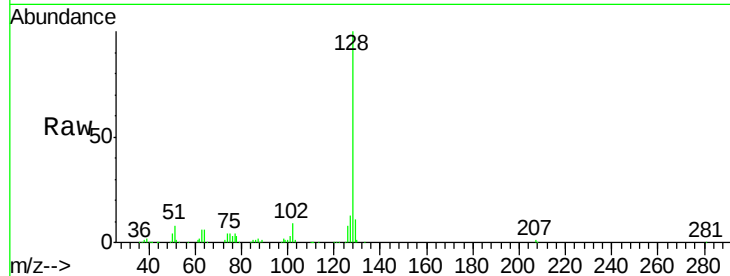
#95
Naphthalene
Concen: 20.002 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	159447		
127	12.7	10.6	15.8	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:29:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.431 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013200.D
Acq: 20 Sep 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	81834		
182	97.2	47.9	143.7	
145	30.9	15.0	45.0	

