

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013180.D
 Acq On : 20 Sep 2019 14:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:45 AM

Quant Time: Sep 20 15:15:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	361138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	520196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	449633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147978	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
35) Dibromofluoromethane	7.88	113	144153	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.32	98	611038	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
62) 4-Bromofluorobenzene	12.62	95	206285	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	97132	59.419	ug/l	100
3) Chloromethane	2.21	50	122019	58.572	ug/l	100
4) Vinyl Chloride	2.36	62	163342	59.990	ug/l	100
5) Bromomethane	2.77	94	106919	63.293	ug/l	100
6) Chloroethane	2.92	64	100050	60.226	ug/l	100
7) Trichlorofluoromethane	3.25	101	97301	53.264	ug/l	100
8) Diethyl Ether	3.68	74	84350	57.777	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	159657	56.554	ug/l	100
10) Methyl Iodide	4.27	142	251156	68.042	ug/l	100
11) Tert butyl alcohol	5.18	59	47925	189.488	ug/l	100
12) 1,1-Dichloroethene	4.04	96	164693	62.586	ug/l	100
13) Acrolein	3.89	56	44811	195.610	ug/l	100
14) Allyl chloride	4.66	41	267502	55.436	ug/l	100
15) Acrylonitrile	5.37	53	179063	249.124	ug/l	100
16) Acetone	4.13	43	157066	205.247	ug/l	100
17) Carbon Disulfide	4.38	76	486110	83.904	ug/l	100
18) Methyl Acetate	4.67	43	86806	45.933	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	257586	52.193	ug/l	100
20) Methylene Chloride	4.91	84	174000	53.671	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	181754	64.290	ug/l	100
22) Diisopropyl ether	6.31	45	516921	52.372	ug/l	100
23) Vinyl Acetate	6.25	43	1520107	259.009	ug/l	100
24) 1,1-Dichloroethane	6.21	63	306262	53.270	ug/l	100
25) 2-Butanone	7.17	43	232476	223.844	ug/l	100
26) 2,2-Dichloropropane	7.17	77	191212	47.647	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	193203	58.392	ug/l	100
28) Bromochloromethane	7.51	49	127190	52.810	ug/l	100
29) Tetrahydrofuran	7.52	42	147556	246.036	ug/l	100
30) Chloroform	7.67	83	291463	50.484	ug/l	100
31) Cyclohexane	7.95	56	304353	59.615	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	242775	50.979	ug/l	100
36) 1,1-Dichloropropene	8.08	75	248226	57.873	ug/l	100
37) Ethyl Acetate	7.25	43	103050	47.224	ug/l	100
38) Carbon Tetrachloride	8.07	117	228125	53.062	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	327630	67.008	ug/l	100
40) Benzene	8.32	78	701356	58.572	ug/l	100
41) Methacrylonitrile	7.48	41	63836	44.896	ug/l	100
42) 1,2-Dichloroethane	8.40	62	188597	48.859	ug/l	100
43) Isopropyl Acetate	8.42	43	200504	48.007	ug/l	100
44) Trichloroethene	9.09	130	195795	59.294	ug/l	100
45) 1,2-Dichloropropane	9.37	63	171000	54.748	ug/l	100
46) Dibromomethane	9.46	93	82726	55.150	ug/l	100
47) Bromodichloromethane	9.64	83	214485	51.860	ug/l	100
48) Methyl methacrylate	9.43	41	94725	48.218	ug/l	100
49) 1,4-Dioxane	9.46	88	21640	900.571	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	504105	234.766	ug/l	100
52) Toluene	10.38	92	452247	59.379	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	223058	53.337	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	266998	55.296	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	122566	53.817	ug/l	100
56) Ethyl methacrylate	10.64	69	166300	54.572	ug/l	100
57) 1,3-Dichloropropane	10.93	76	217807	54.058	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	398369	247.108	ug/l	100
59) 2-Hexanone	10.97	43	348096	234.044	ug/l	100
60) Dibromochloromethane	11.13	129	143304	52.683	ug/l	100
61) 1,2-Dibromoethane	11.24	107	115901	55.611	ug/l	100
64) Tetrachloroethene	10.86	164	169418	60.631	ug/l	100
65) Chlorobenzene	11.66	112	462770	56.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	162397	52.650	ug/l	100
67) Ethyl Benzene	11.73	91	863830	57.157	ug/l	100
68) m/p-Xylenes	11.84	106	661836	118.835	ug/l	100
69) o-Xylene	12.16	106	304359	58.457	ug/l	100
70) Styrene	12.18	104	533121	57.781	ug/l	100
71) Bromoform	12.35	173	85046	52.774	ug/l	100
73) Isopropylbenzene	12.46	105	849080	55.684	ug/l	100
74) N-amyl acetate	12.27	43	188910	49.417	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	136902	51.941	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	105785m	53.551	ug/l	
77) Bromobenzene	12.74	156	204059	57.443	ug/l	100
78) n-propylbenzene	12.80	91	1001450	55.869	ug/l	100
79) 2-Chlorotoluene	12.89	91	557502	54.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	716565	55.475	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	45100	51.663	ug/l	100
82) 4-Chlorotoluene	12.99	91	577322	53.567	ug/l	100
83) tert-Butylbenzene	13.21	119	632127	54.968	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	713029	55.896	ug/l	100
85) sec-Butylbenzene	13.38	105	875237	55.689	ug/l	100
86) p-Isopropyltoluene	13.49	119	810723	56.100	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	384158	55.075	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	377641	55.226	ug/l	100
89) n-Butylbenzene	13.82	91	746873	55.093	ug/l	100
90) Hexachloroethane	14.09	117	137112	53.365	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	332872	54.408	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21184	44.684	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	244266	55.872	ug/l	100
94) Hexachlorobutadiene	15.24	225	162213	52.677	ug/l	100
95) Naphthalene	15.36	128	408945	56.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	209860	54.482	ug/l	100

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

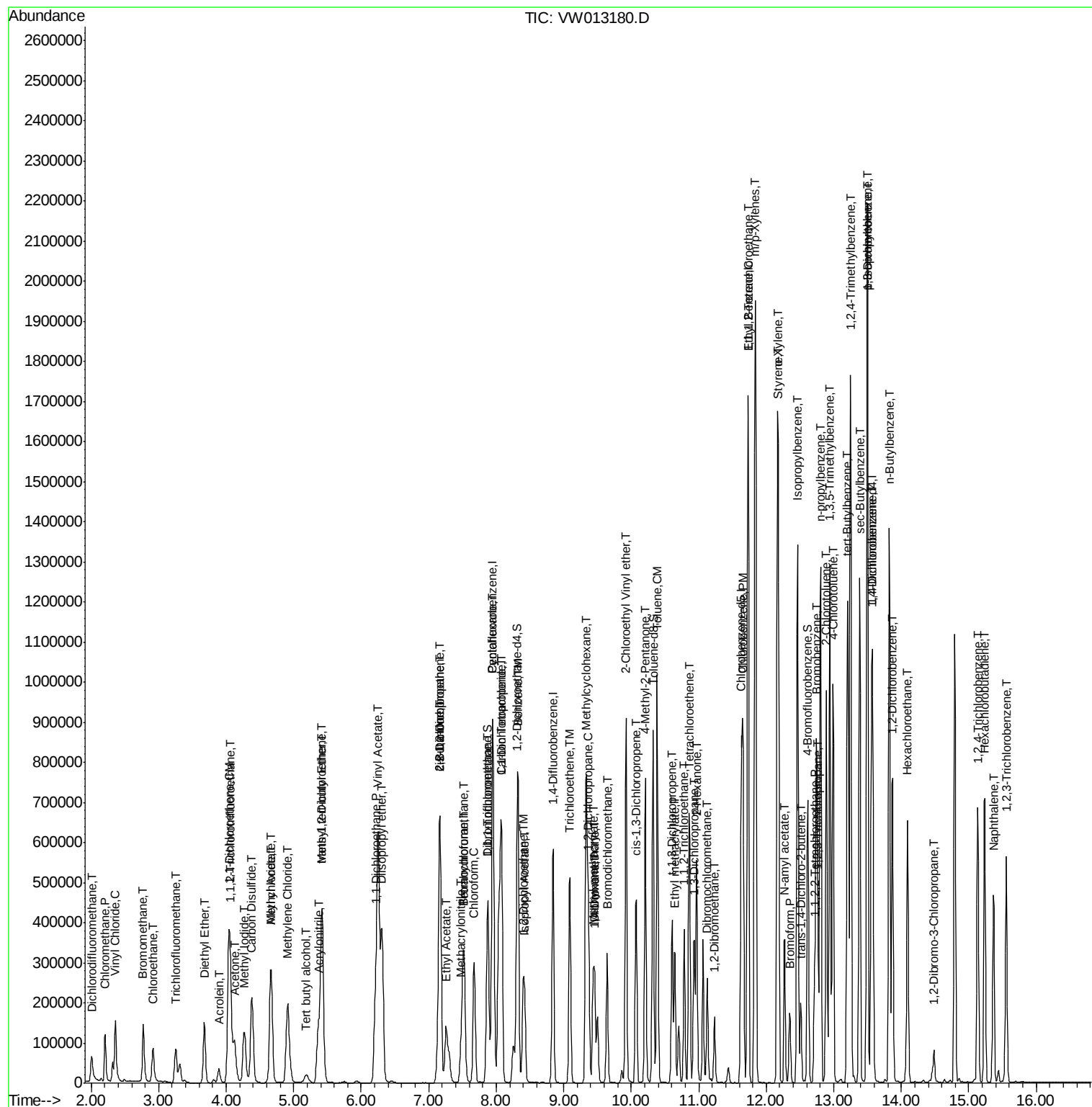
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
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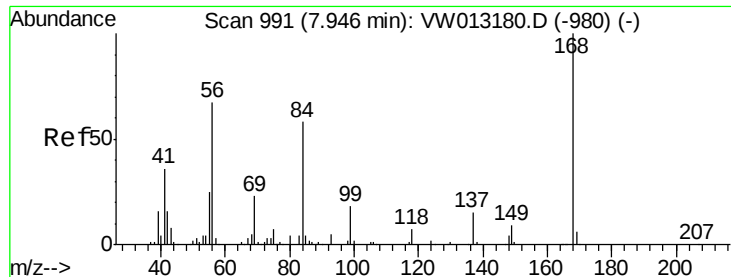
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 361138

Ion Ratio Lower Upper

168 100

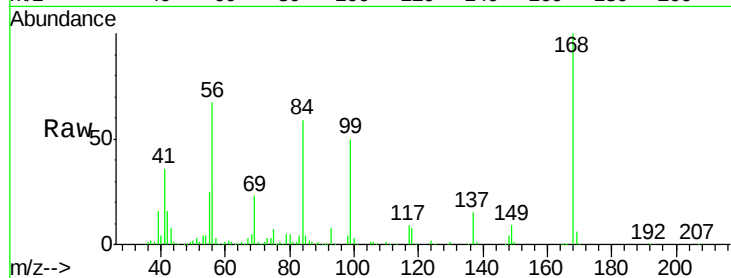
99 50.3 40.2 60.4

Manual Integrations

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9/24/2019 5:28:45 AM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

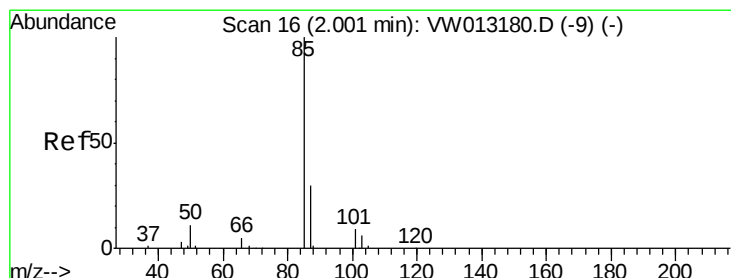
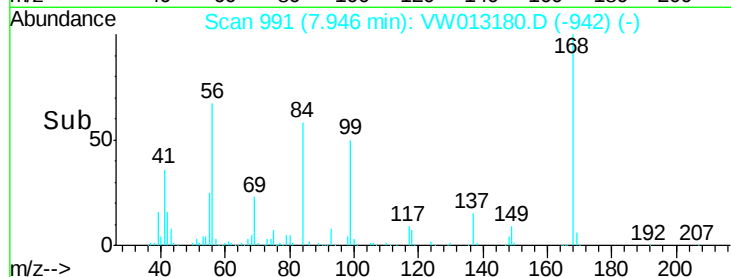
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 59.419 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW013180.D

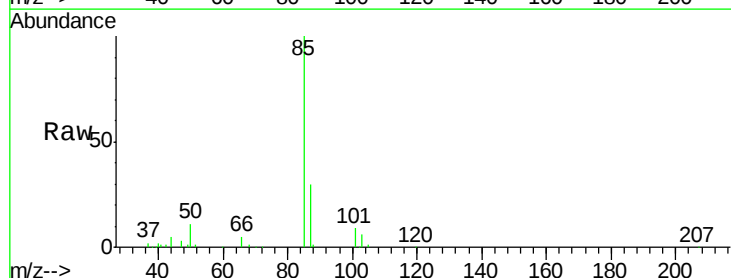
Acq: 20 Sep 2019 14:01

Tgt Ion: 85 Resp: 97132

Ion Ratio Lower Upper

85 100

87 30.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

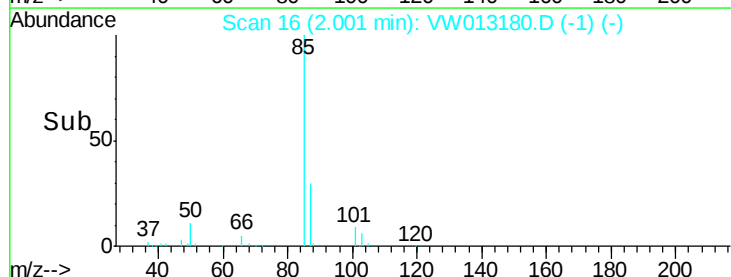
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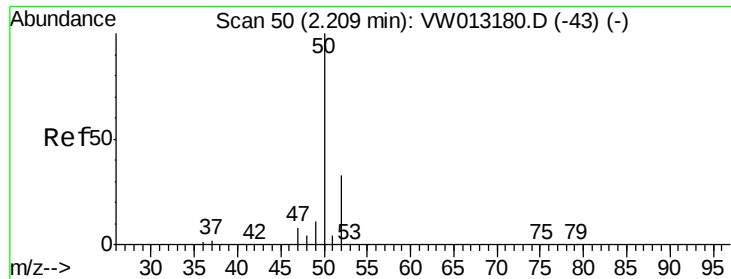
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 58.572 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 122019

Ion Ratio Lower Upper

50 100

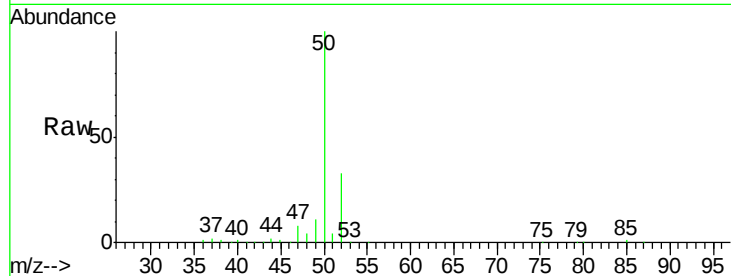
52 32.6 26.1 39.1

Manual Integrations

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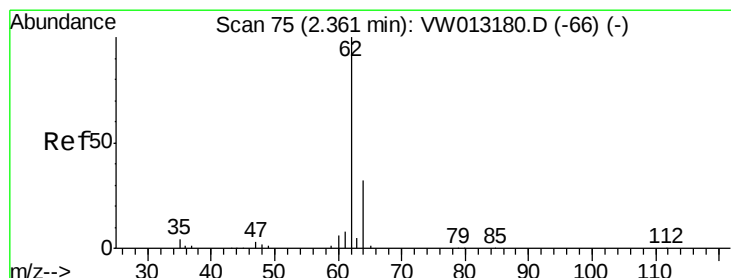
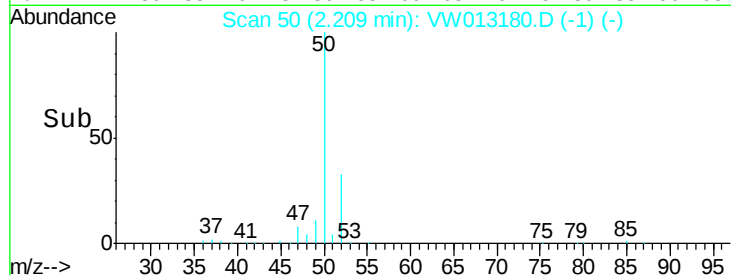
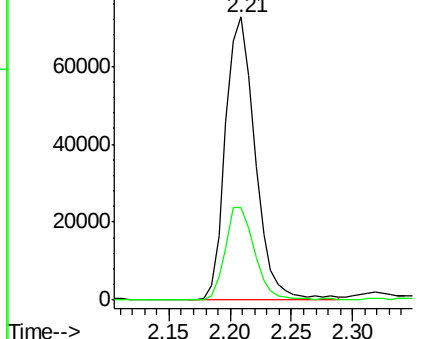
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 59.990 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013180.D

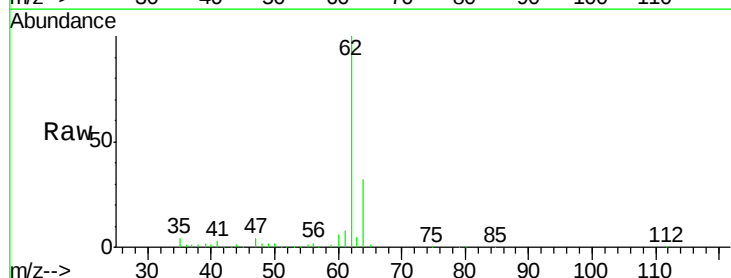
Acq: 20 Sep 2019 14:01

Tgt Ion: 62 Resp: 163342

Ion Ratio Lower Upper

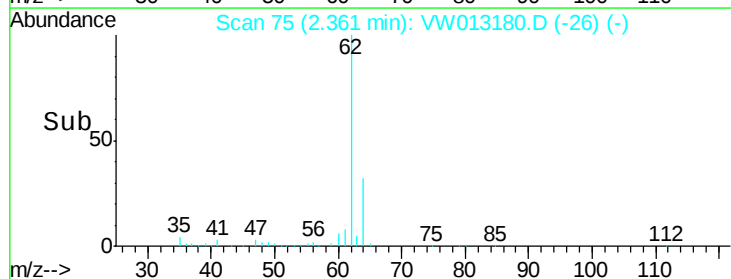
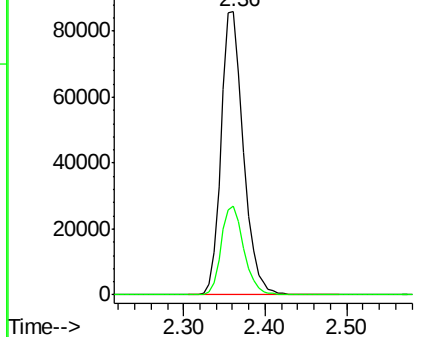
62 100

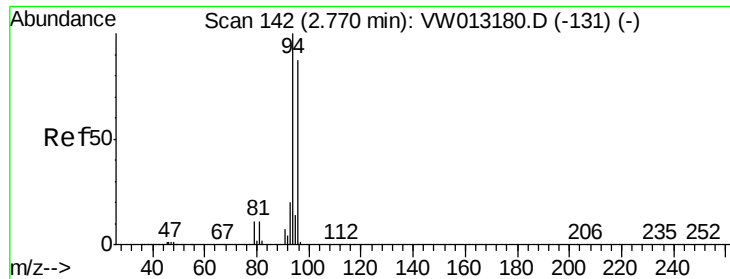
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 63.293 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 106919

Ion Ratio Lower Upper

94 100

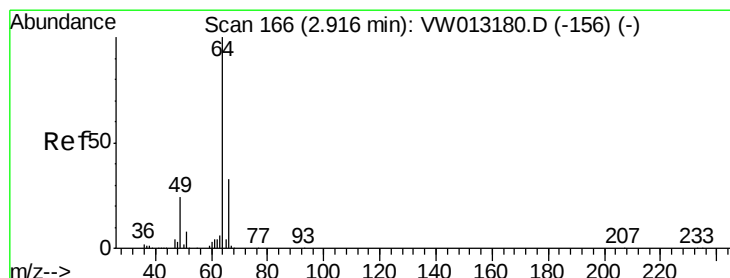
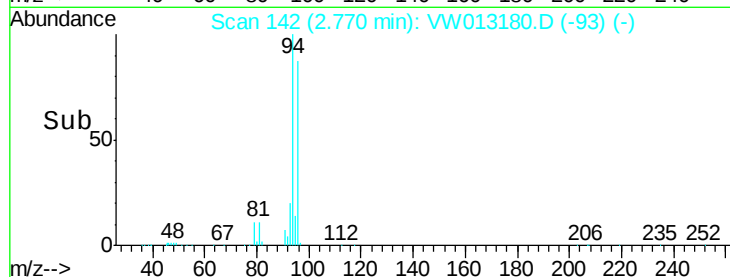
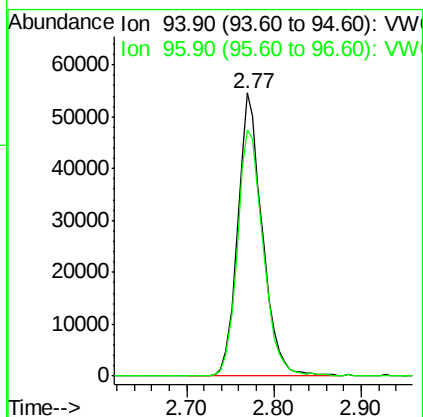
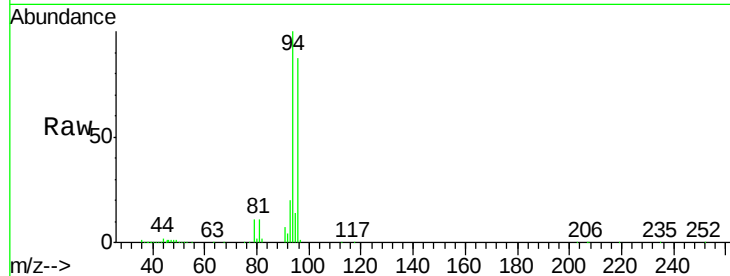
96 87.1 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 60.226 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013180.D

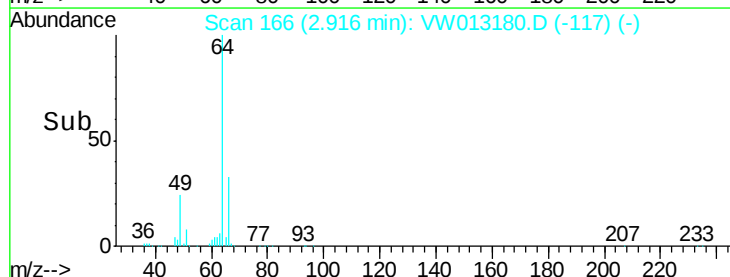
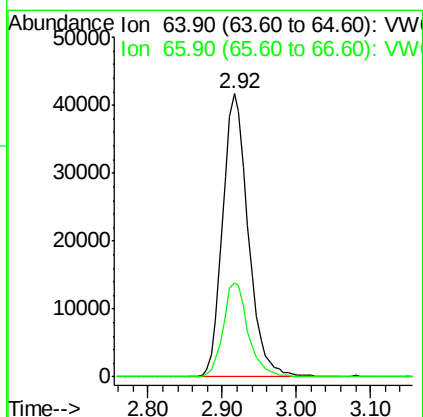
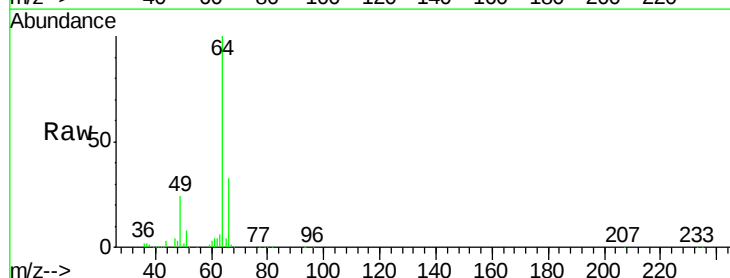
Acq: 20 Sep 2019 14:01

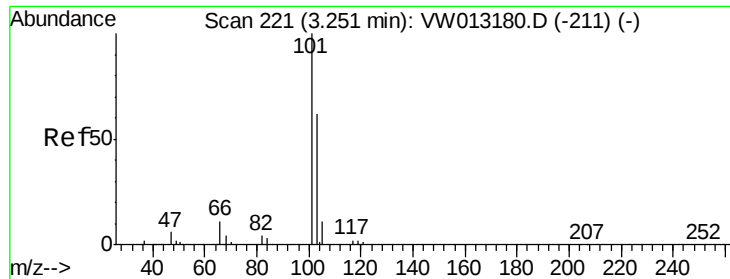
Tgt Ion: 64 Resp: 100050

Ion Ratio Lower Upper

64 100

66 33.2 26.6 39.8





#7

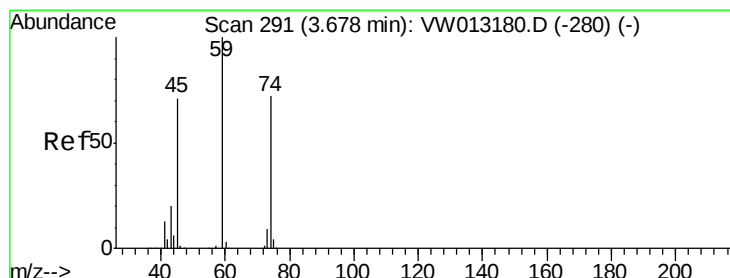
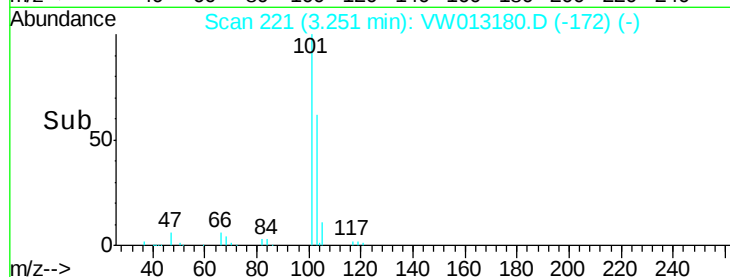
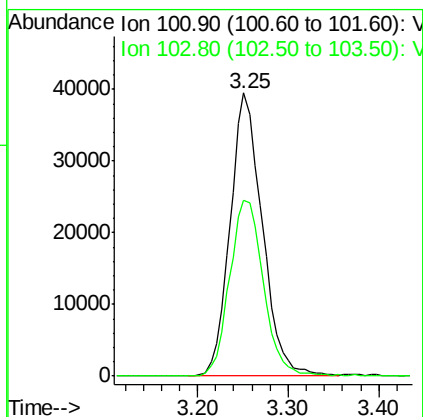
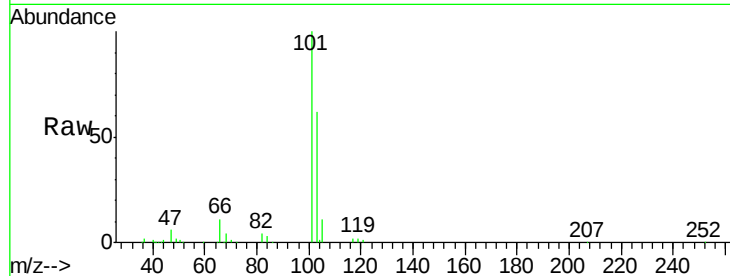
Trichlorofluoromethane
Concen: 53.264 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5

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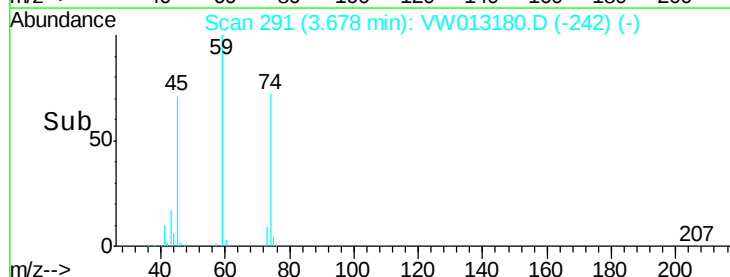
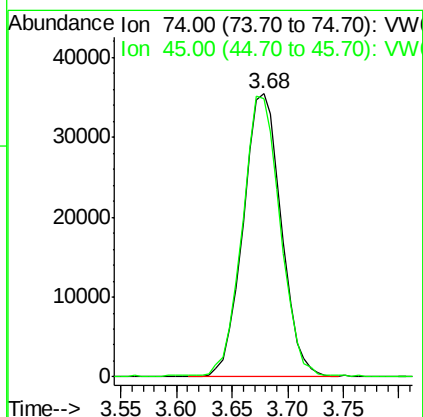
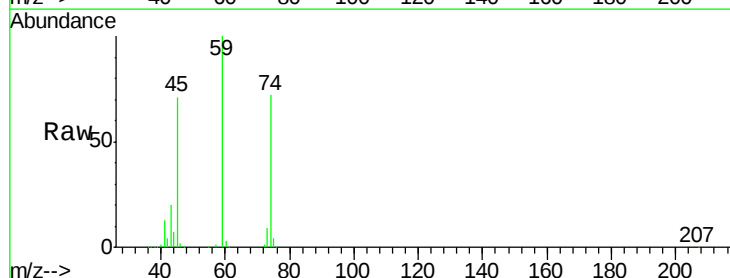
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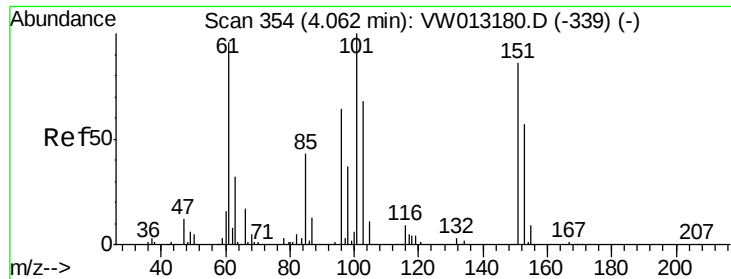


#8

Diethyl Ether
Concen: 57.777 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.554 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

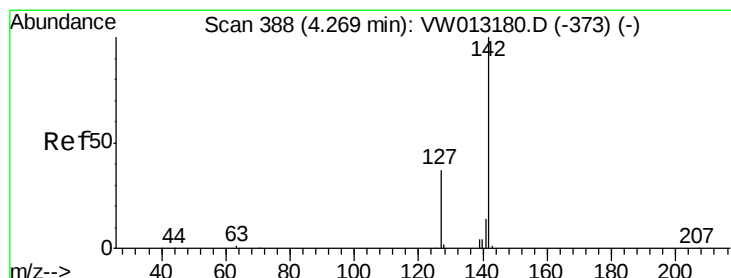
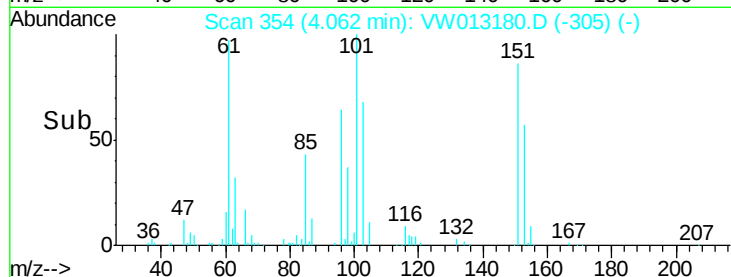
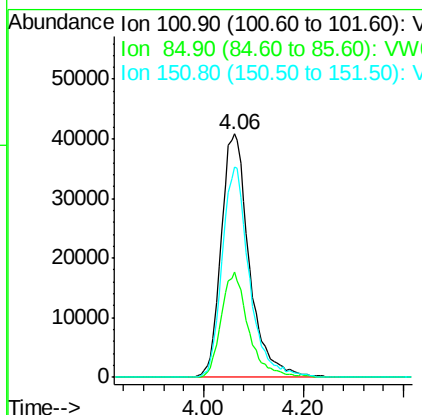
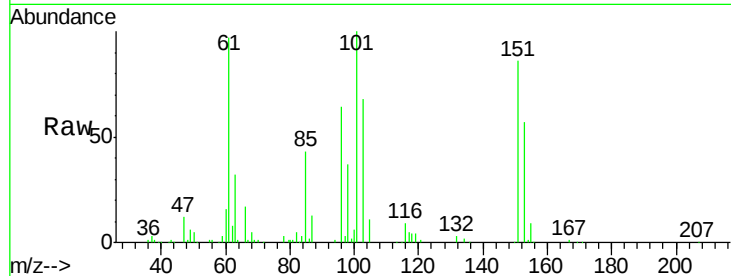
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	159657
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.0
151	83.6	66.9	100.3

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#10

Methyl Iodide

Concen: 68.042 ug/l

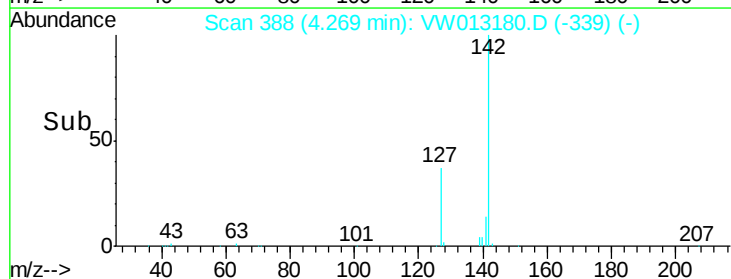
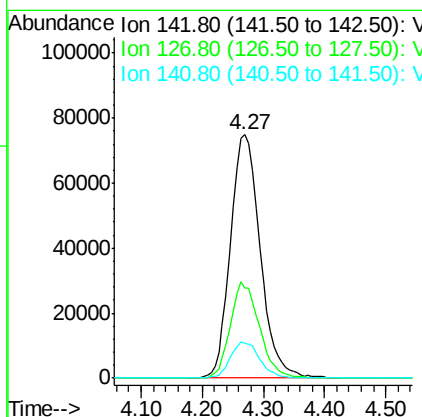
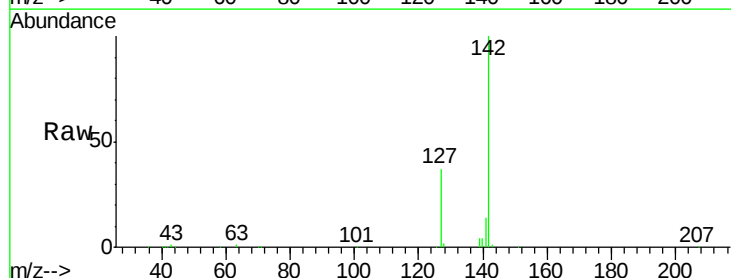
RT: 4.27 min Scan# 388

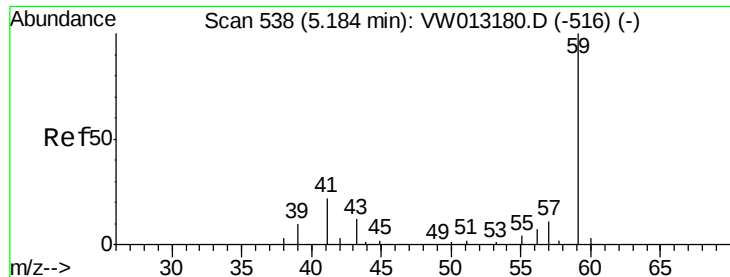
Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion:	142	Resp:	251156
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.9	46.3
141	14.6	11.7	17.5





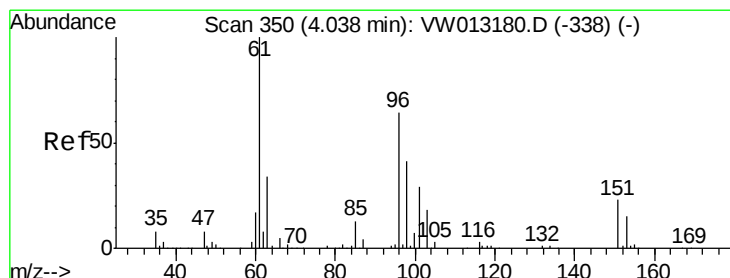
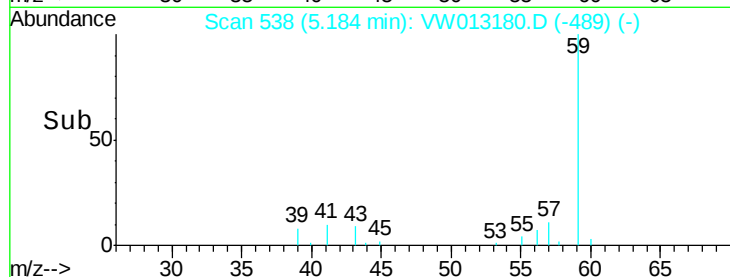
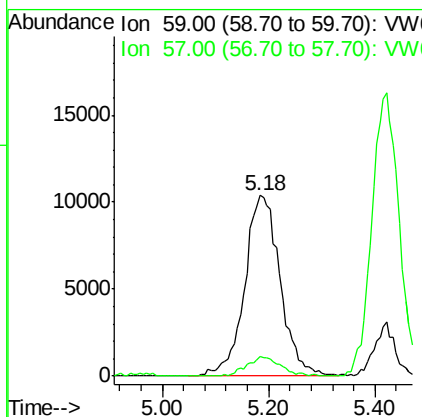
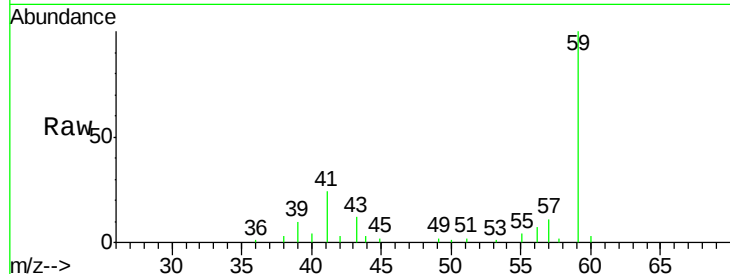
#11
Tert butyl alcohol
Concen: 189.488 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

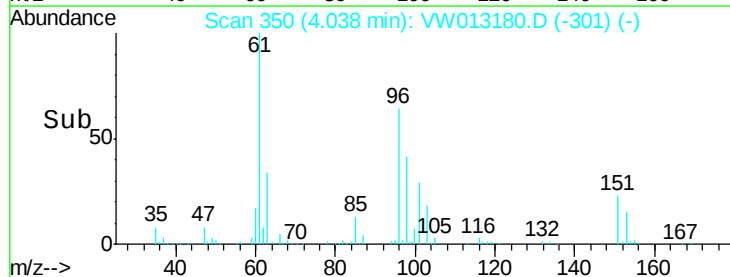
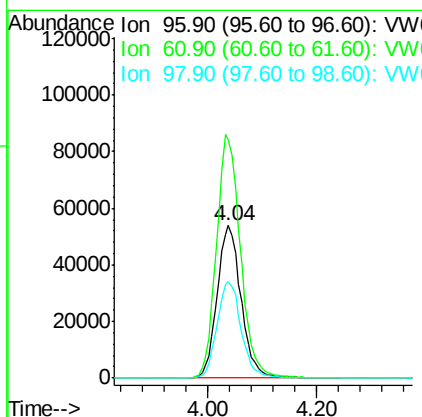
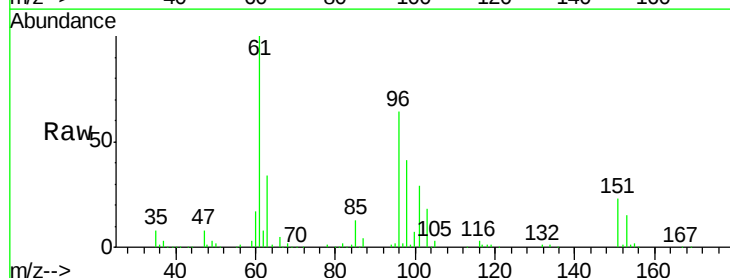
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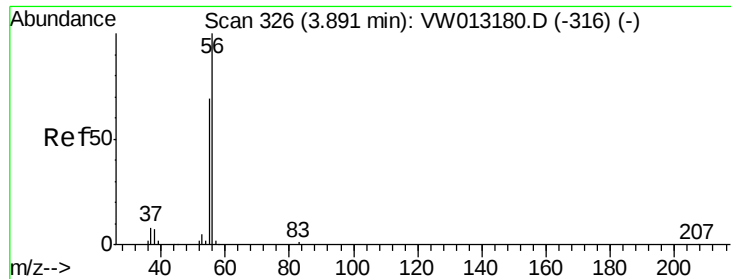
MMDadoda
9/24/2019 5:28:45 AM



#12
1,1-Dichloroethene
Concen: 62.586 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	125.1	187.7
98	63.5	50.8	76.2





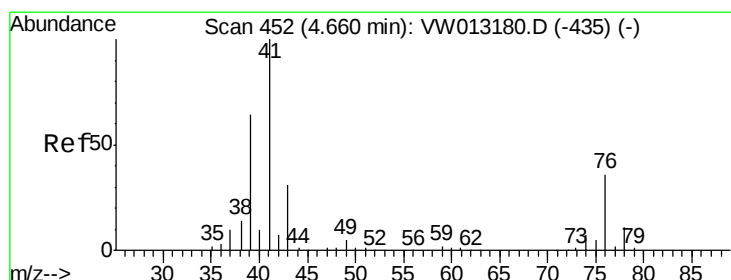
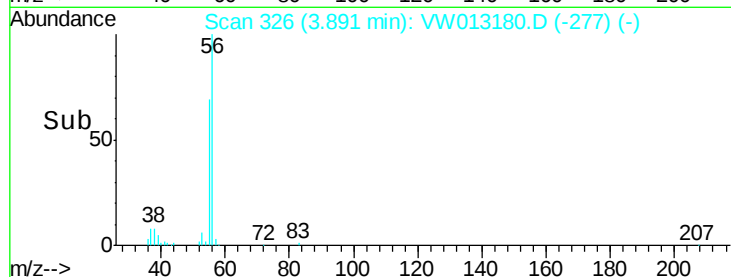
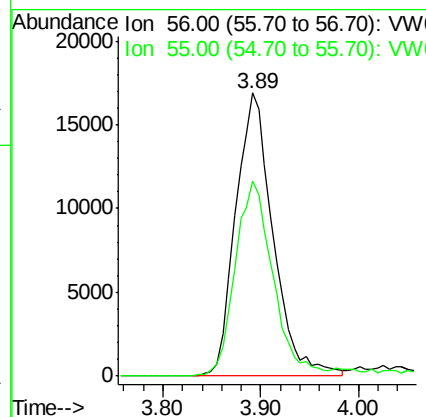
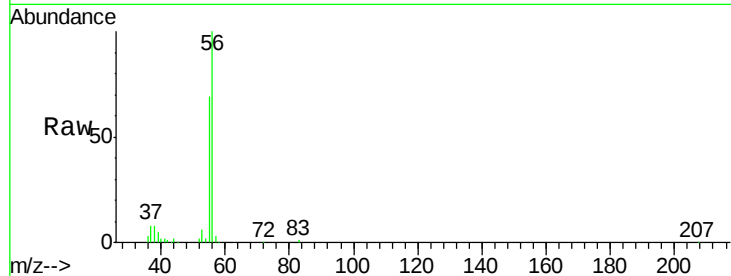
#13
Acrolein
Concen: 195.610 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	44811
Ion Ratio	100	Lower	Upper
55	69.2	55.4	83.0

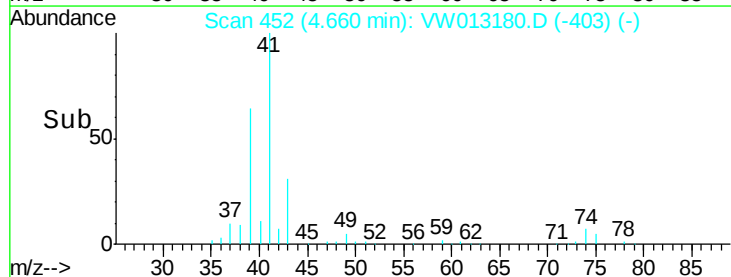
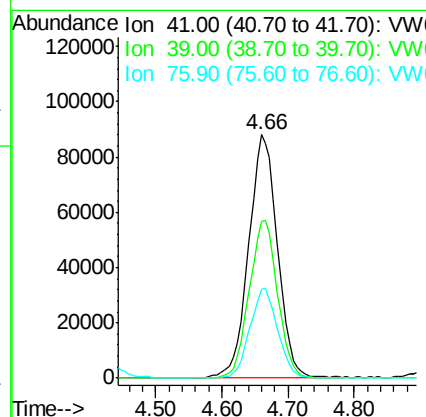
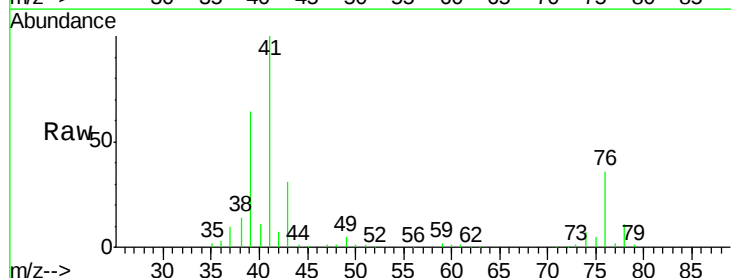
Manual Integrations
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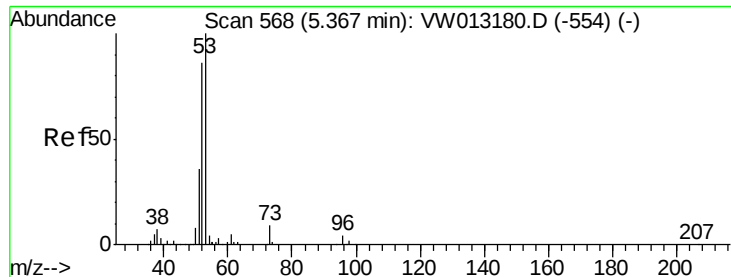
MMDadoda
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#14
Allyl chloride
Concen: 55.436 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	41	Resp	267502
Ion Ratio	100	Lower	Upper
39	63.7	51.0	76.4
76	35.5	28.4	42.6





#15

Acrylonitrile

Concen: 249.124 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

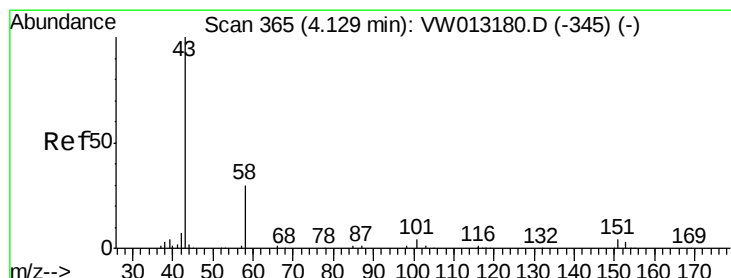
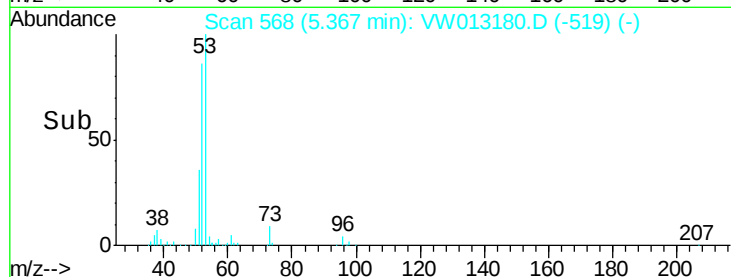
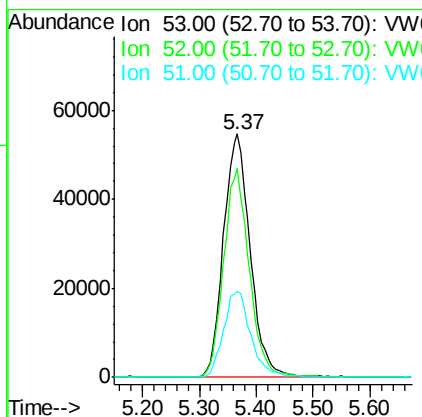
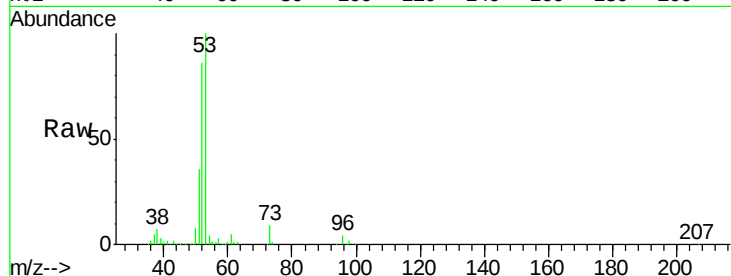
ClientSampleId :

VSTDICCC050

Tot Ion	53	Resp	179063
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	36.2	29.0	43.4

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#16

Acetone

Concen: 205.247 ug/l

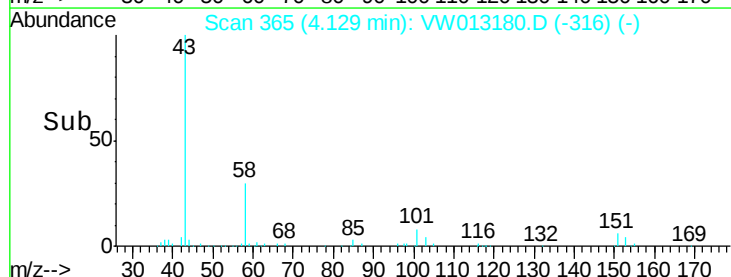
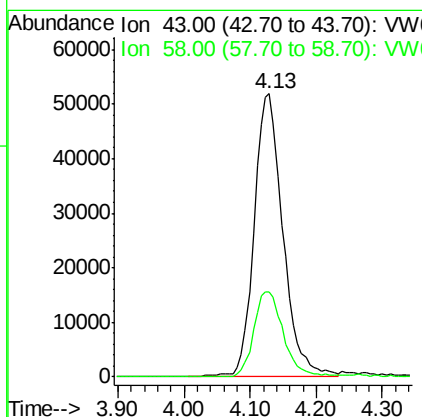
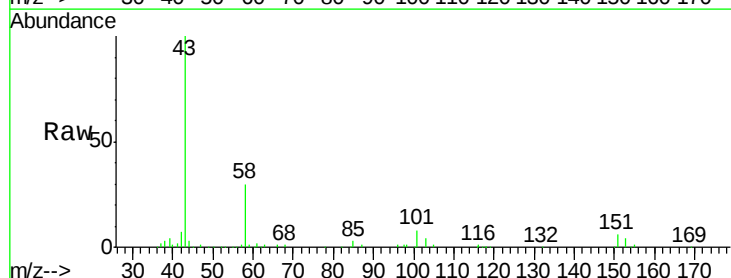
RT: 4.13 min Scan# 365

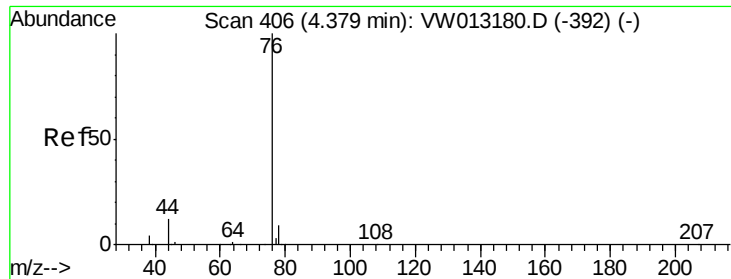
Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion	43	Resp	157066
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.1	36.1





#17

Carbon Disulfide

Concen: 83.904 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 486110

Ion Ratio Lower Upper

76 100

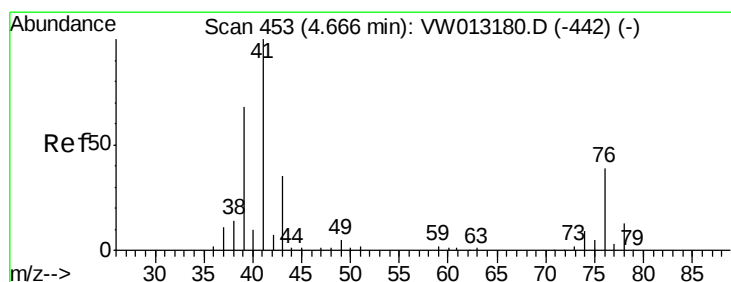
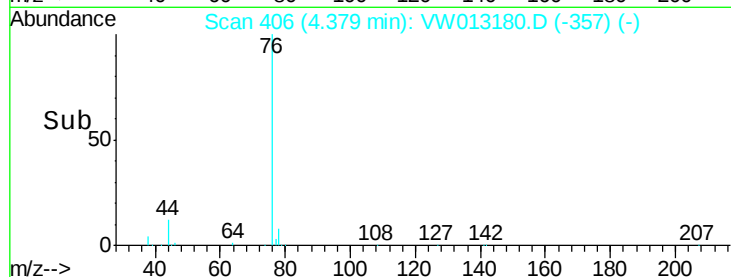
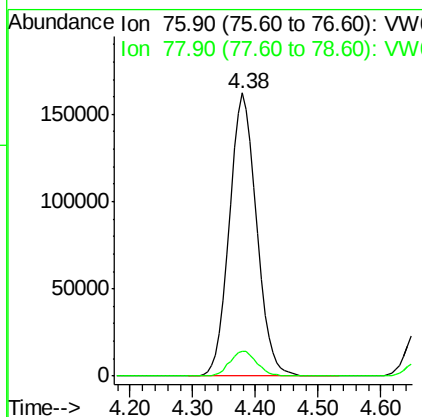
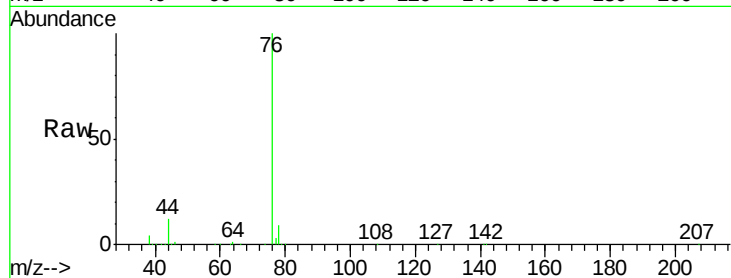
78 8.7 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 45.933 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013180.D

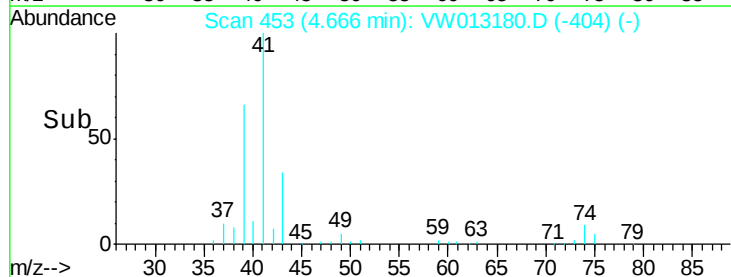
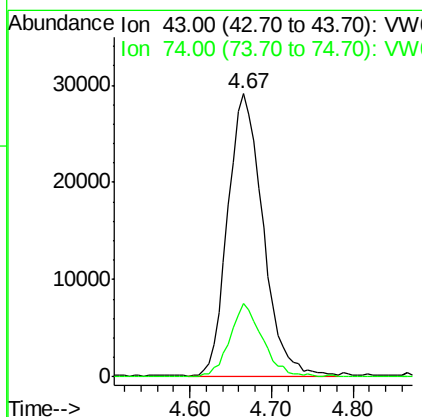
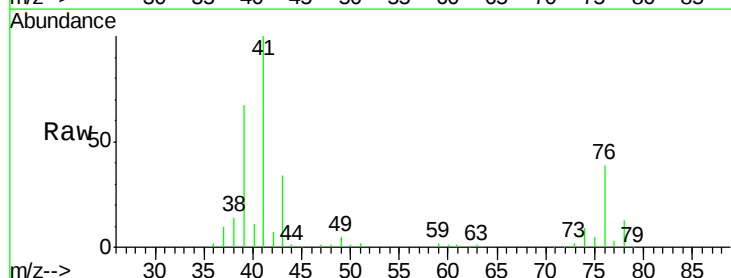
Acq: 20 Sep 2019 14:01

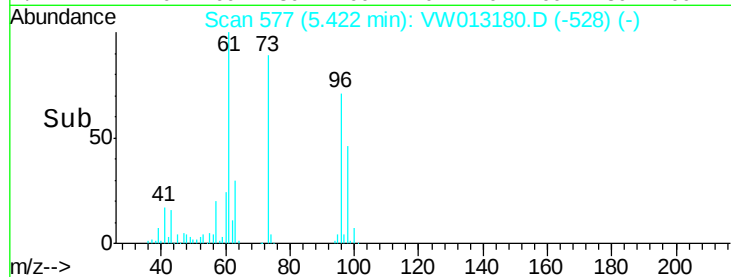
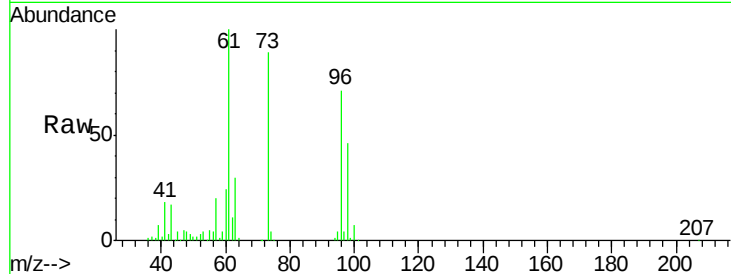
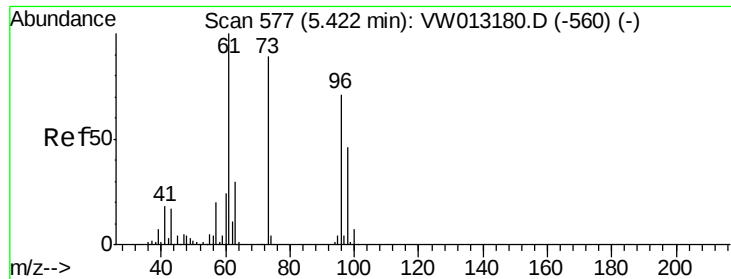
Tgt Ion: 43 Resp: 86806

Ion Ratio Lower Upper

43 100

74 24.1 19.3 28.9





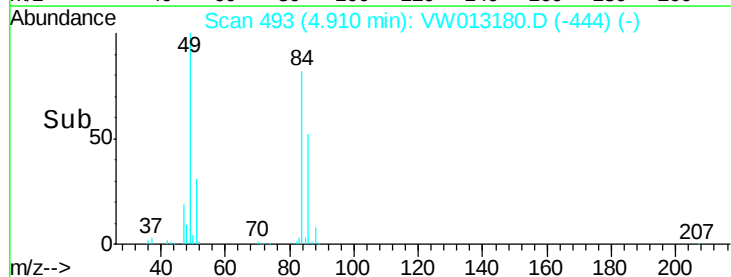
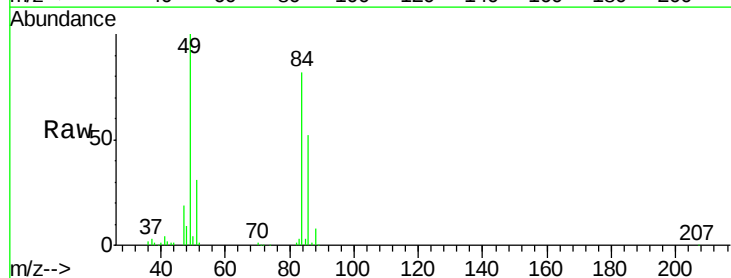
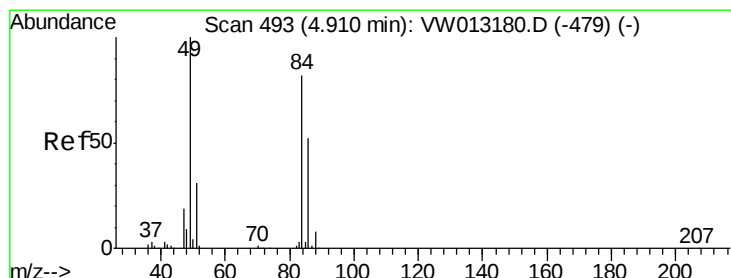
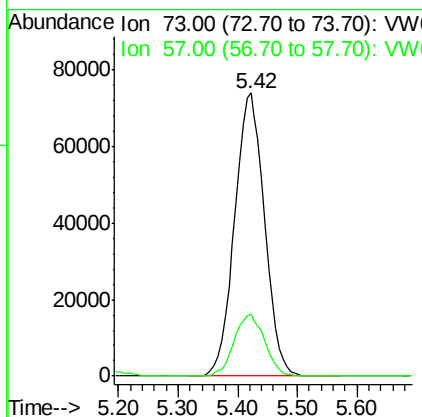
#19
Methvl tert-butvl Ether
Concen: 52.193 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.6	26.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

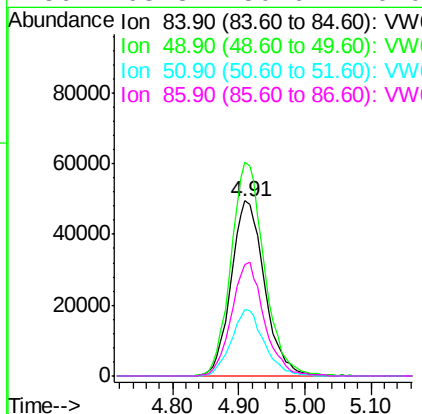
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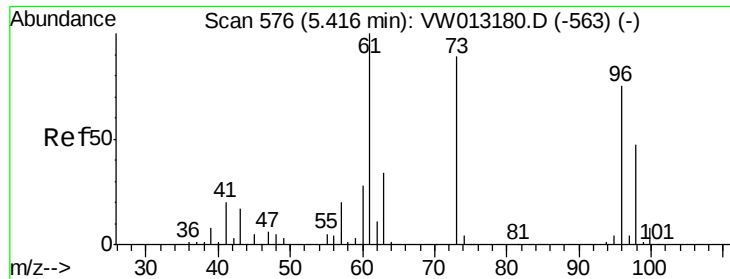
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#20
Methylene Chloride
Concen: 53.671 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	97.6	146.4
51	37.7	30.2	45.2
86	63.3	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 64.290 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

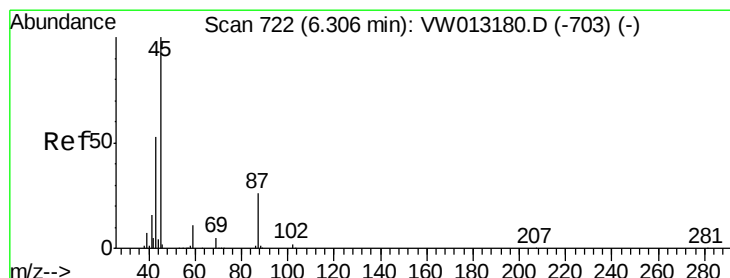
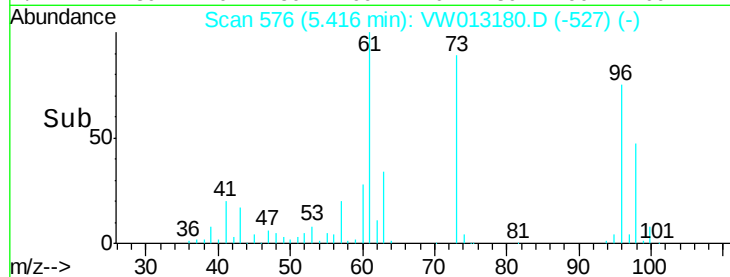
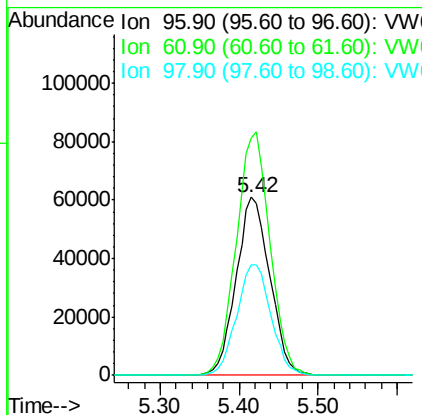
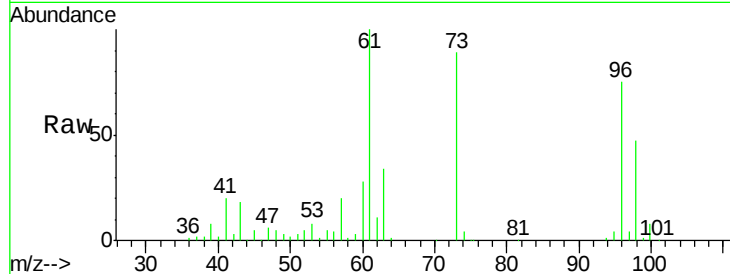
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	181754
Ion	Ratio	Lower	Upper
96	100		
61	133.2	106.6	159.8
98	62.3	49.8	74.8

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#22

Diisopropyl ether

Concen: 52.372 ug/l

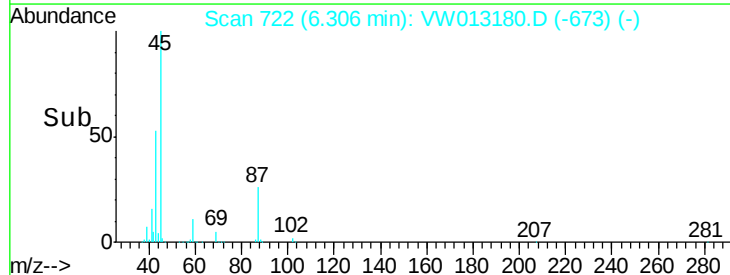
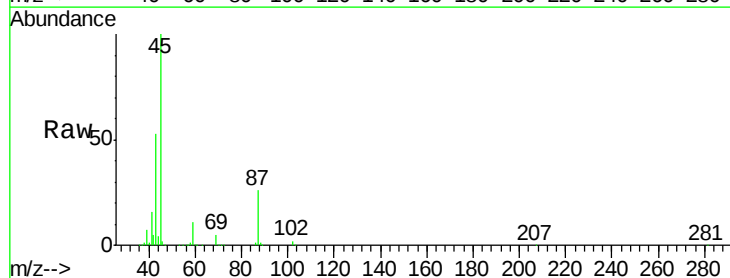
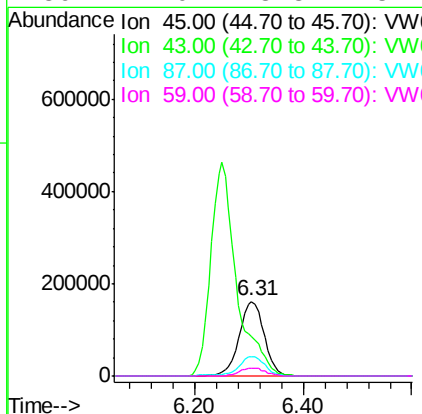
RT: 6.31 min Scan# 722

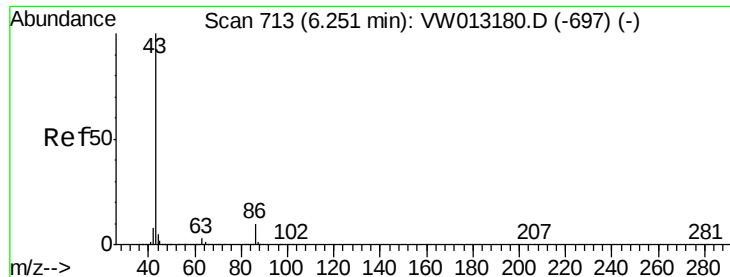
Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion:	45	Resp:	516921
Ion	Ratio	Lower	Upper
45	100		
43	53.0	42.4	63.6
87	25.5	20.4	30.6
59	11.0	8.8	13.2





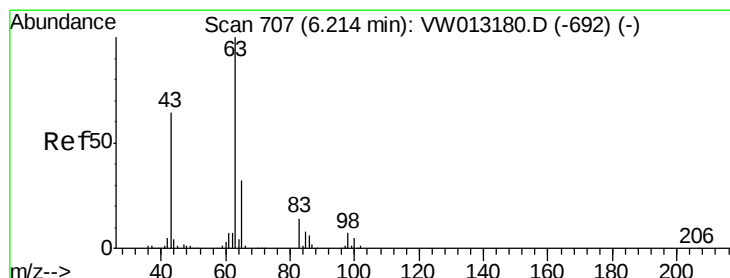
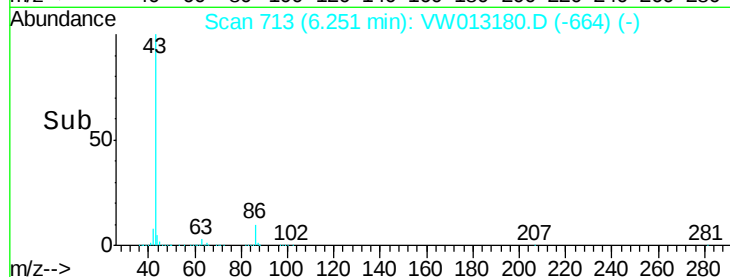
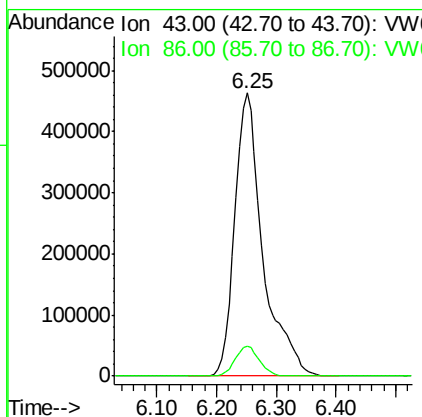
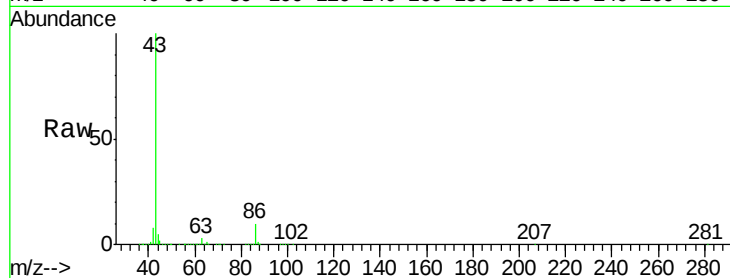
#23
 Vinyl Acetate
 Concen: 259.009 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1520107
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

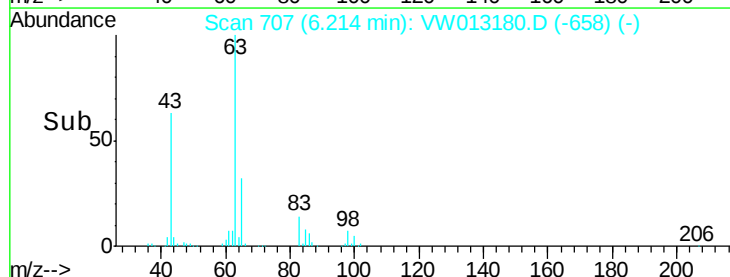
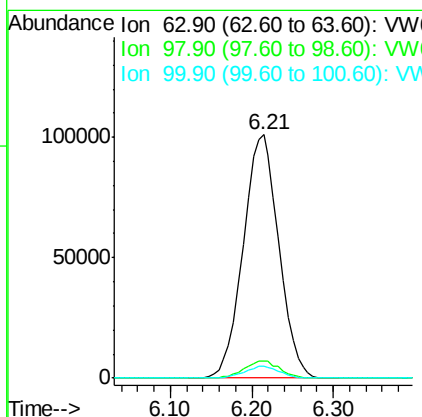
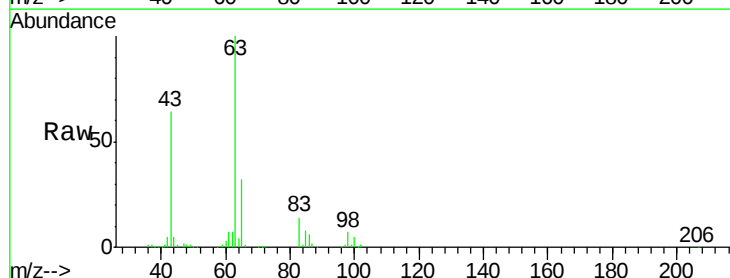
Manual Integrations
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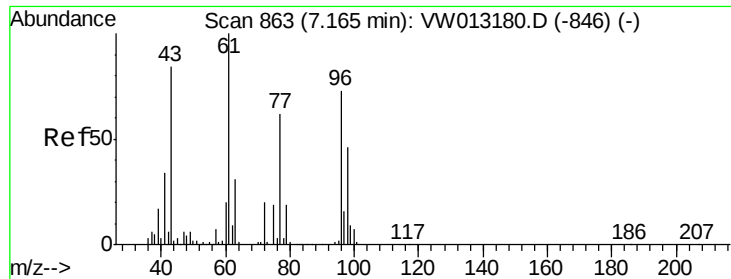
MMDadoda
 9/24/2019 5:28:45 AM



#24
 1,1-Dichloroethane
 Concen: 53.270 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion: 63 Resp: 306262
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.7 2.4 7.1





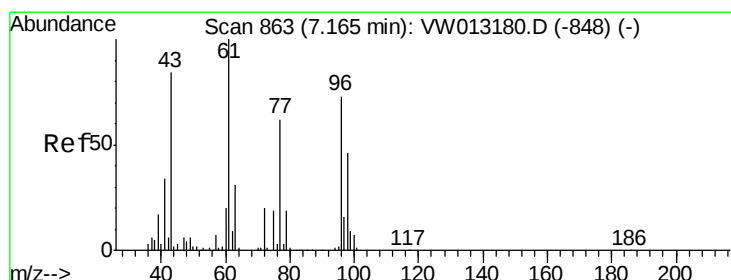
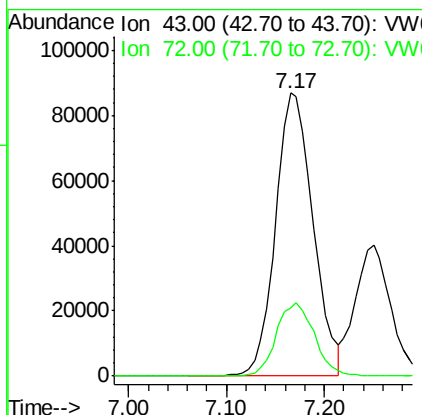
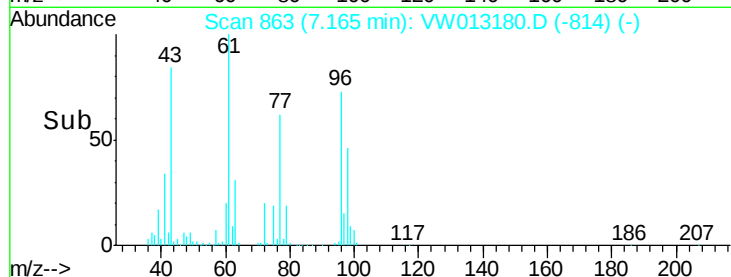
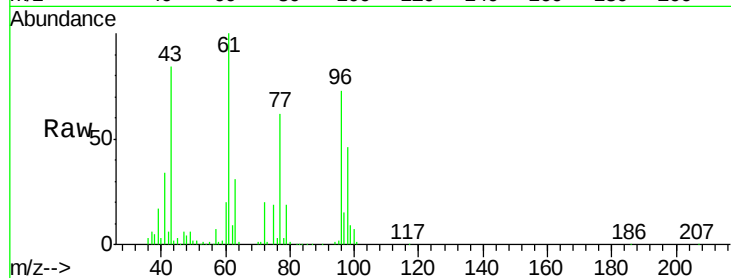
#25
2-Butanone
Concen: 223.844 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 232476
Ion Ratio Lower Upper
43 100
72 24.2 19.4 29.0

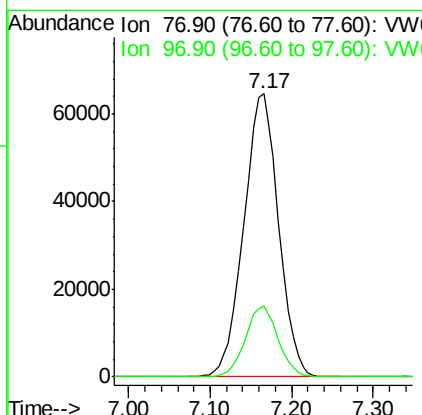
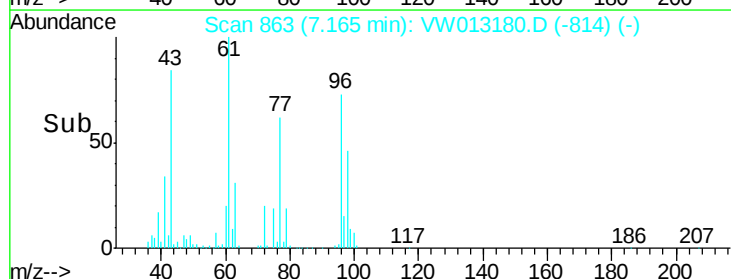
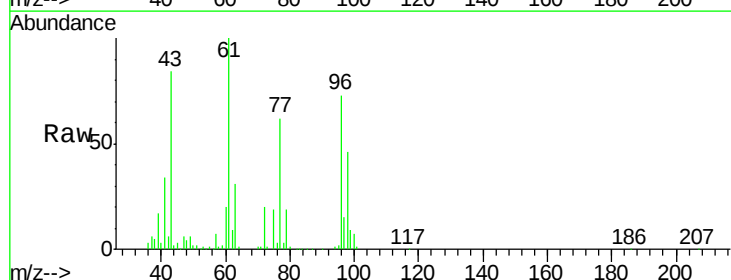
Manual Integrations
APPROVED

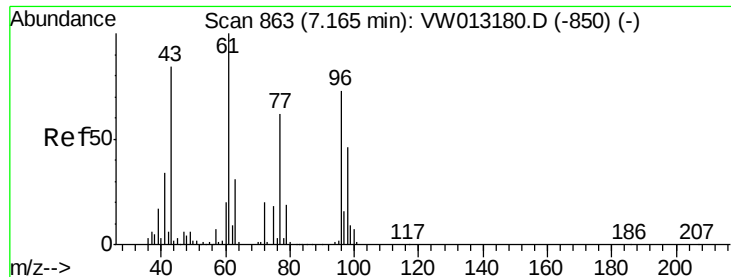
MMDadoda
9/24/2019 5:28:45 AM



#26
2,2-Dichloropropane
Concen: 47.647 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion: 77 Resp: 191212
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.4





#27

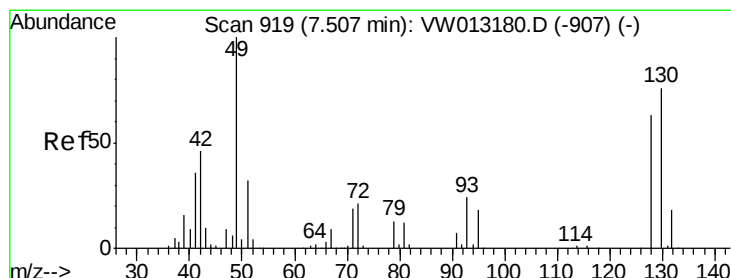
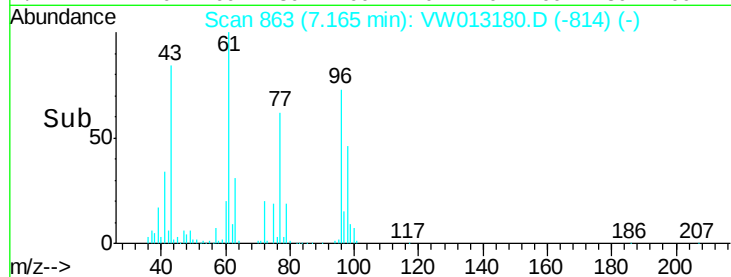
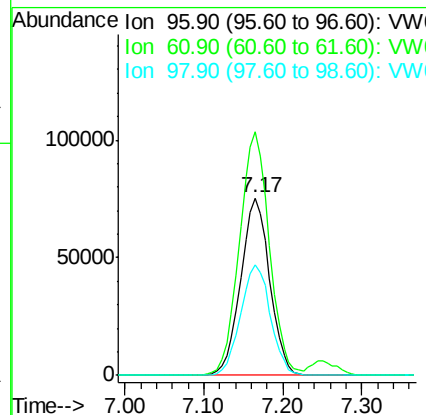
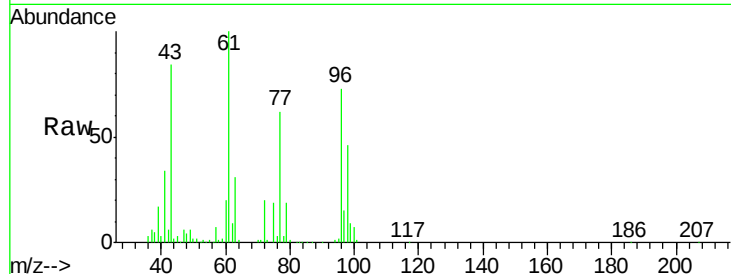
cis-1,2-Dichloroethene
Concen: 58.392 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.2	0.0	282.4	
98	64.1	0.0	128.2	

Manual Integrations
APPROVED

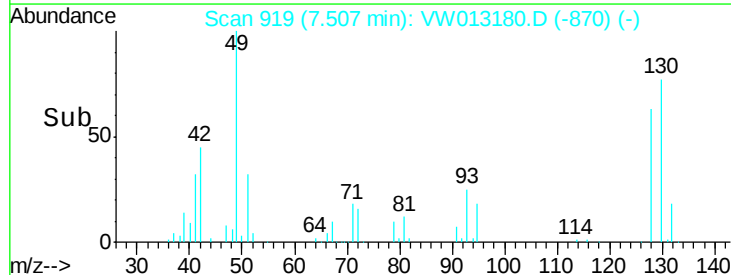
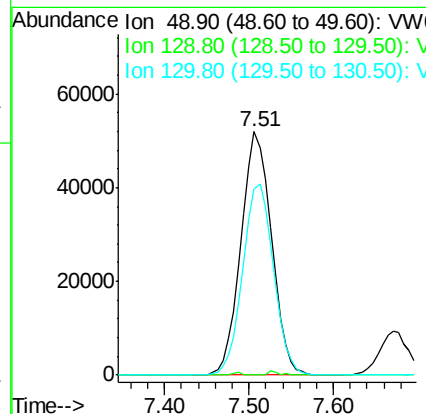
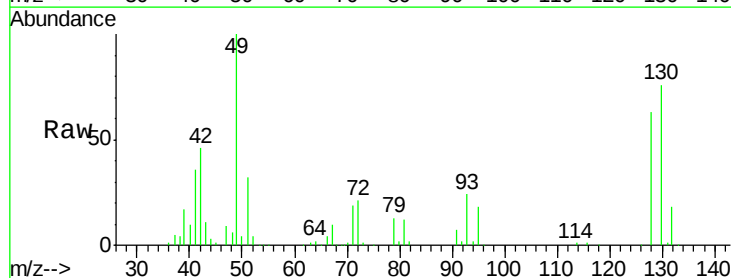
MMDadoda
9/24/2019 5:28:45 AM



#28

Bromochloromethane
Concen: 52.810 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.5	0.0	1.0	
130	79.3	63.4	95.2	





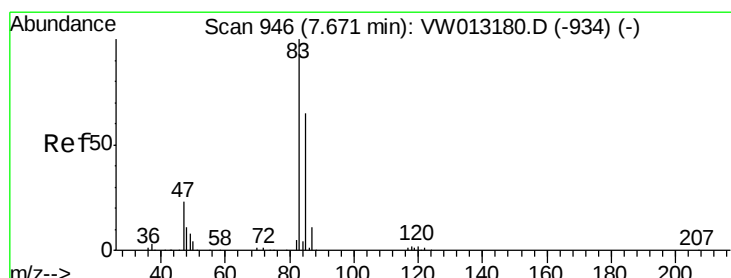
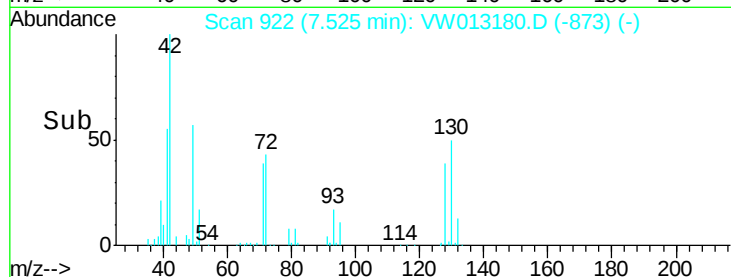
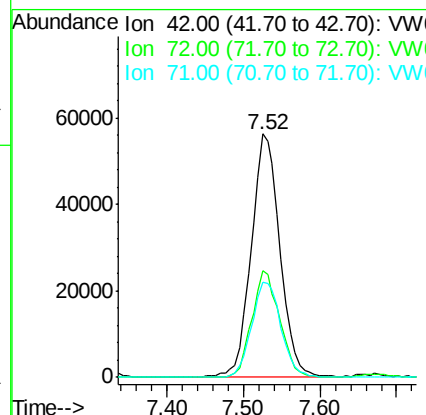
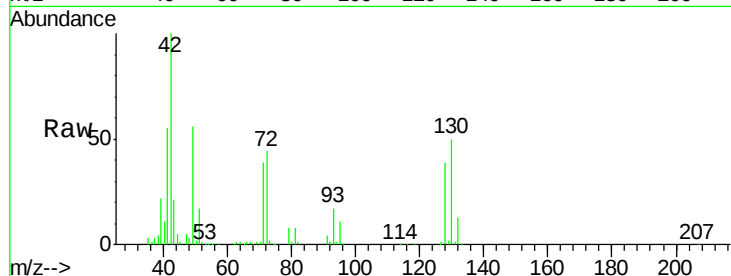
#29
Tetrahydrofuran
Concen: 246.036 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.9	50.9
71	39.9	31.9	47.9

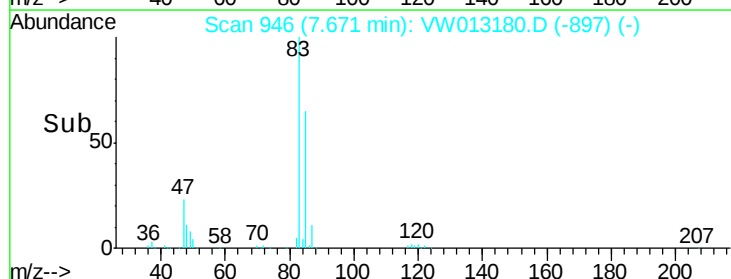
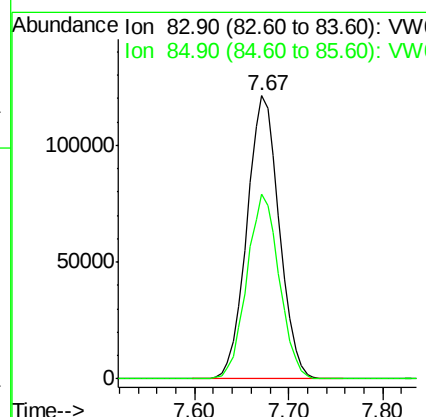
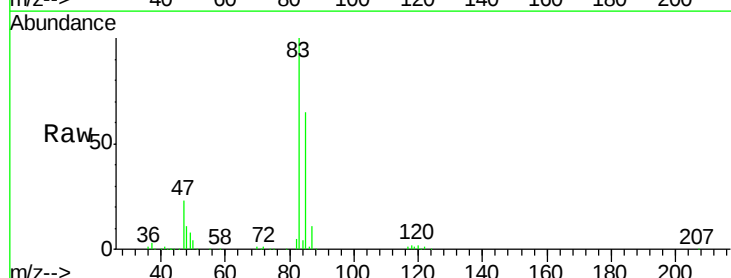
Manual Integrations
APPROVED

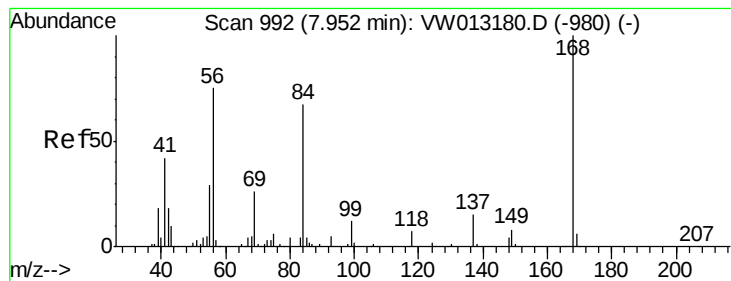
MMDadoda
9/24/2019 5:28:45 AM



#30
Chloroform
Concen: 50.484 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5





#31

Cyclohexane

Concen: 59.615 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

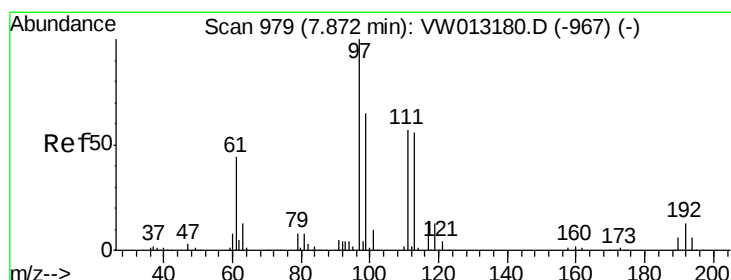
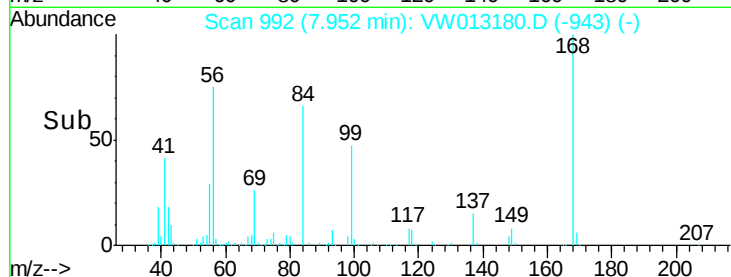
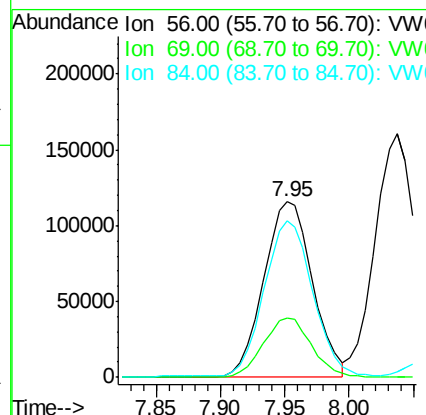
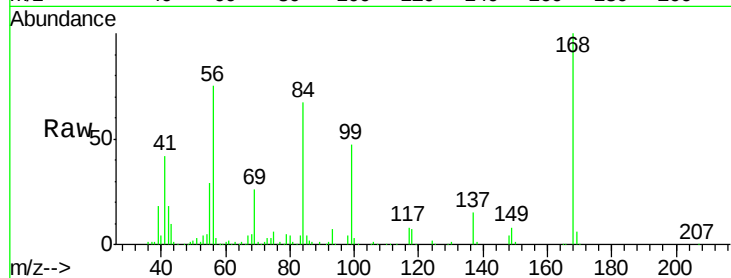
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	304353
Ion Ratio	Lower	Upper	
56	100		
69	34.0	27.2	40.8
84	88.5	70.8	106.2

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 50.979 ug/l

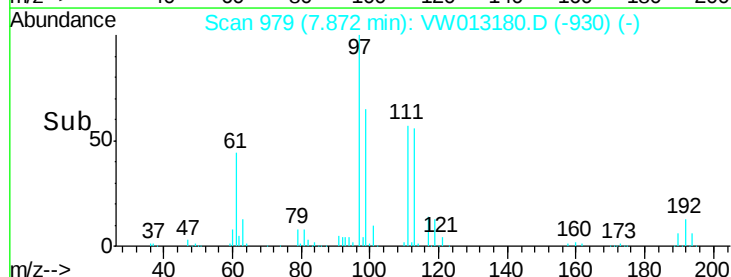
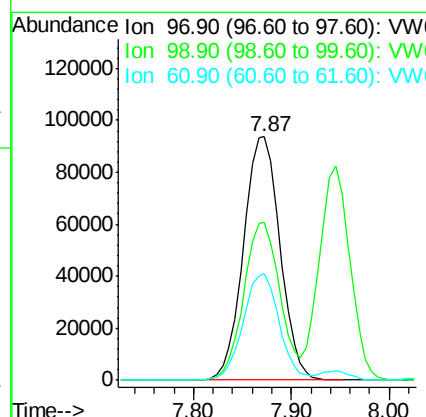
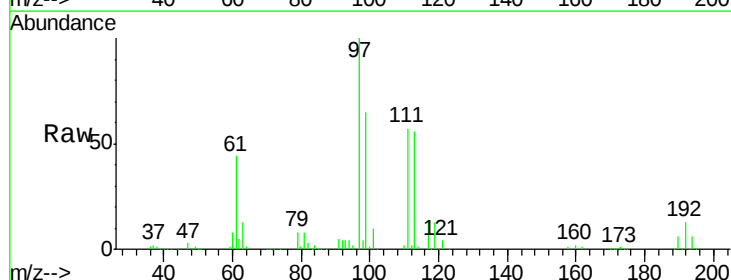
RT: 7.87 min Scan# 979

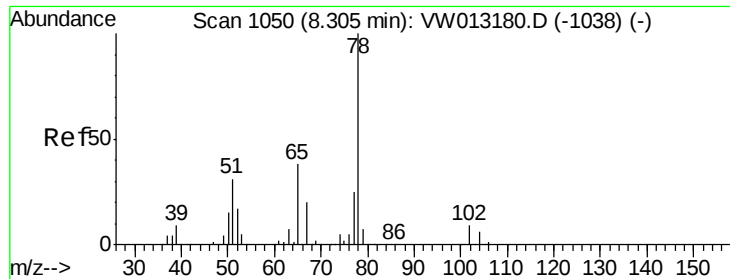
Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion:	97	Resp:	242775
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.7	77.5
61	43.2	34.6	51.8





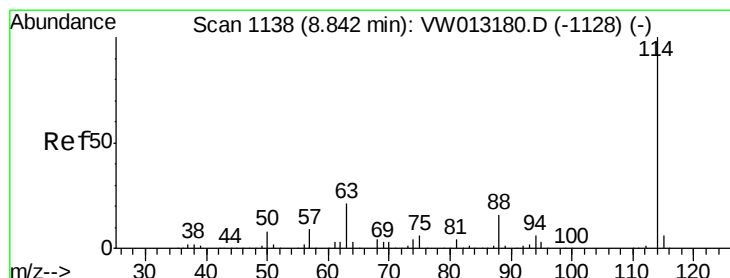
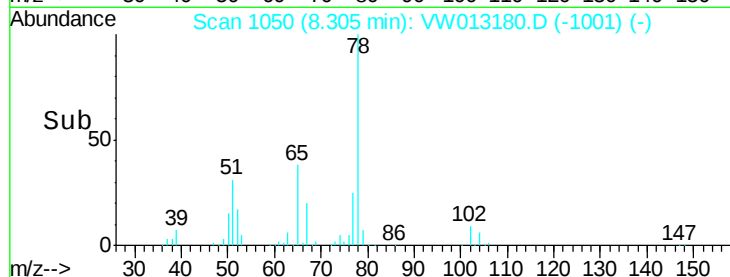
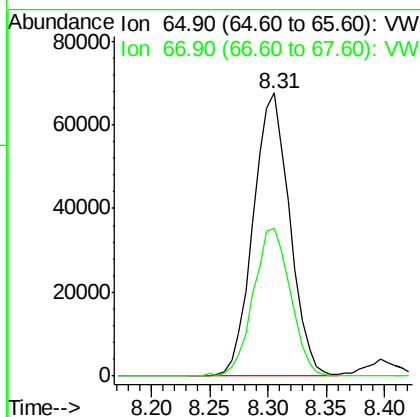
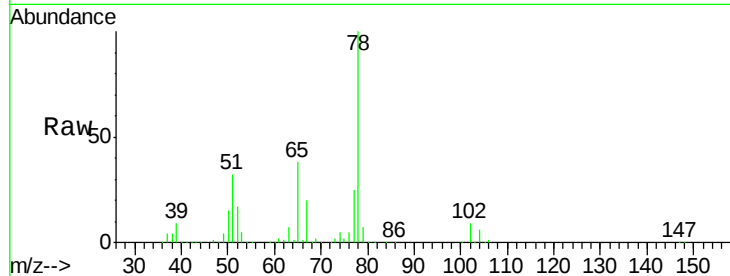
#33
 1,2-Dichloroethane-d4
 Concen: 45.537 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147978		
67	53.1	0.0	106.2	

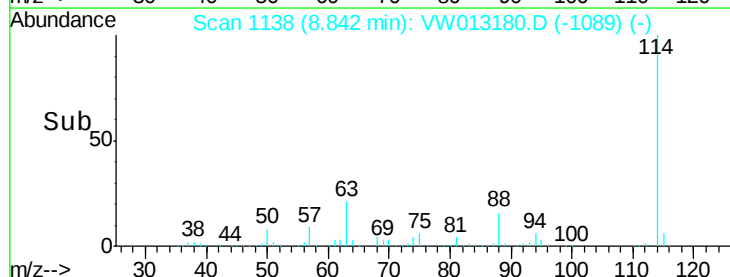
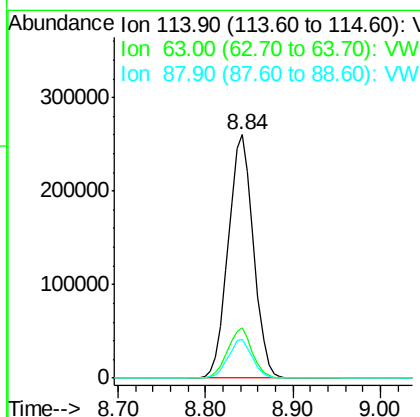
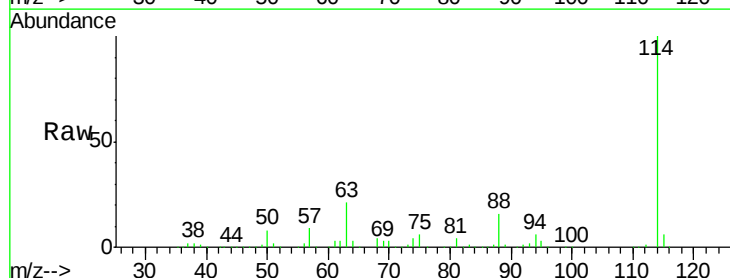
Manual Integrations
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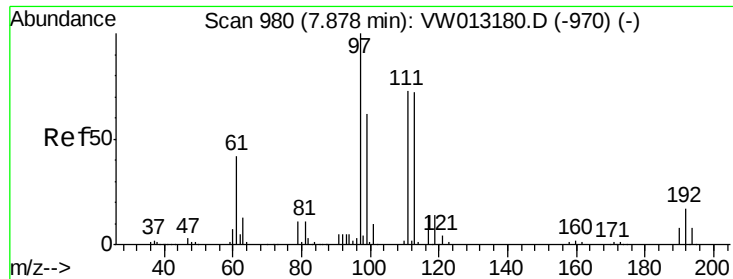
MMDadoda
 9/24/2019 5:28:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	520196		
63	20.7	0.0	41.4	
88	16.0	0.0	32.0	





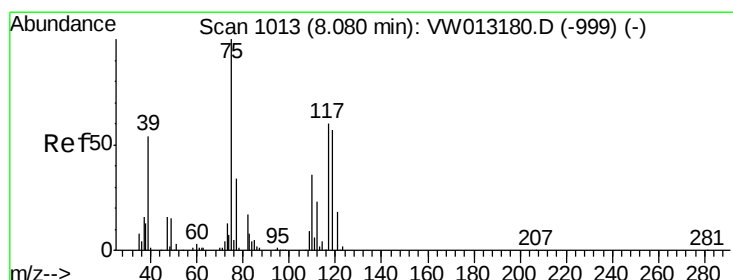
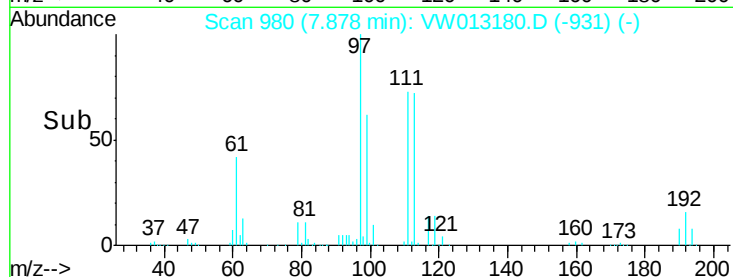
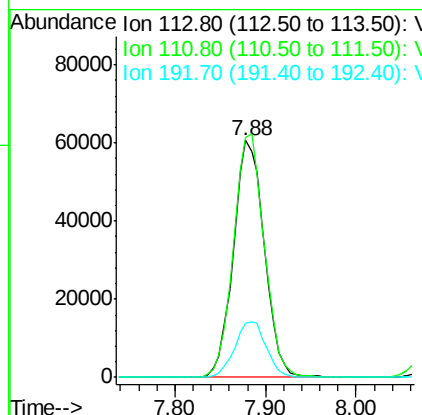
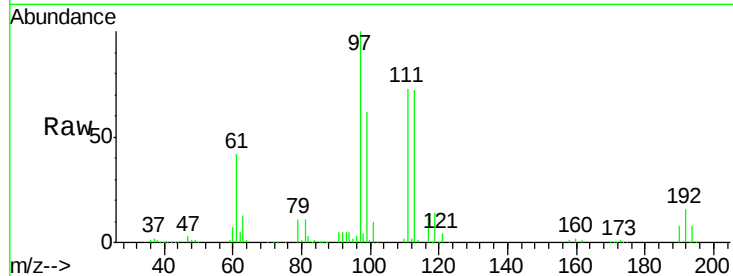
#35
 Dibromofluoromethane
 Concen: 51.251 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144153		
111	102.4	81.9	122.9	
192	23.9	19.1	28.7	

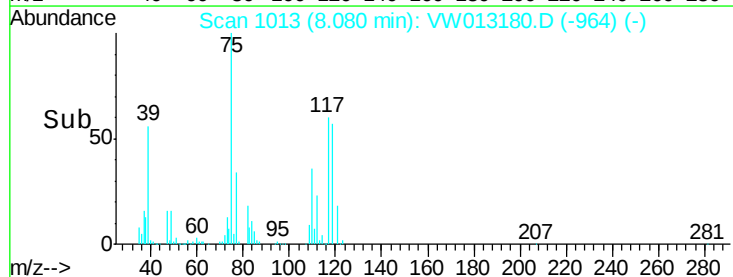
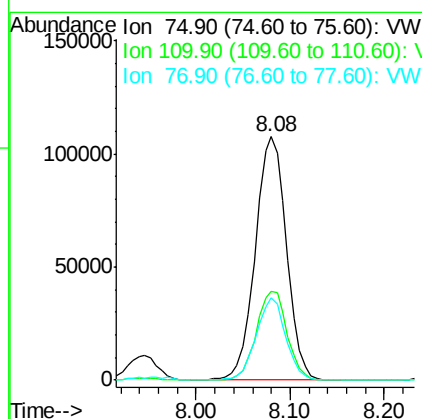
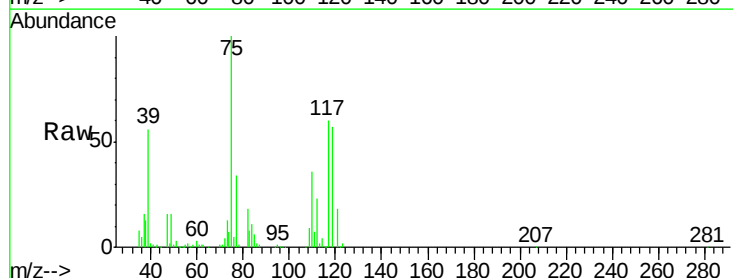
Manual Integrations
 APPROVED

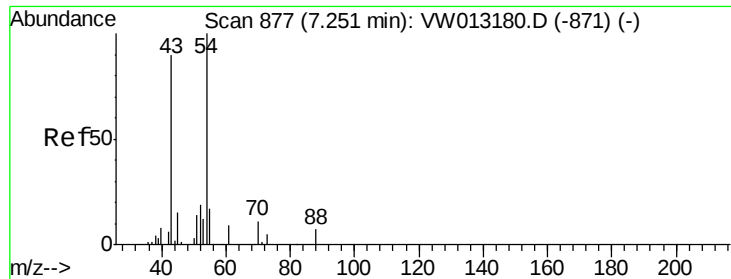
MMDadoda
 9/24/2019 5:28:45 AM



#36
 1,1-Dichloropropene
 Concen: 57.873 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248226		
110	36.2	18.1	54.3	
77	32.2	25.8	38.6	





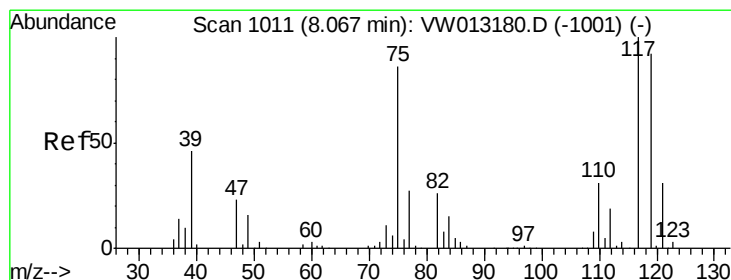
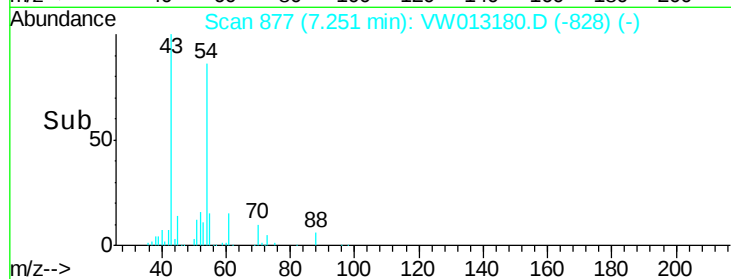
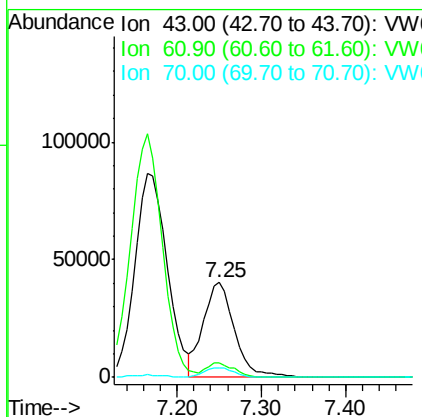
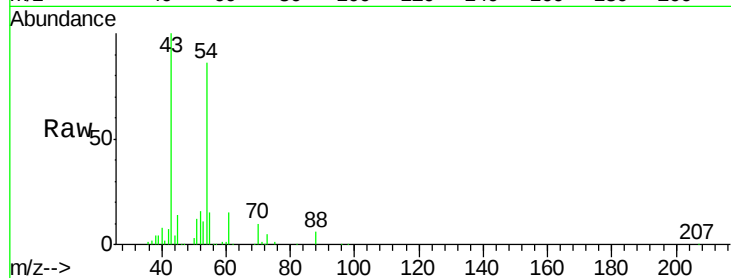
#37
Ethyl Acetate
Concen: 47.224 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	10.2	8.2	12.2

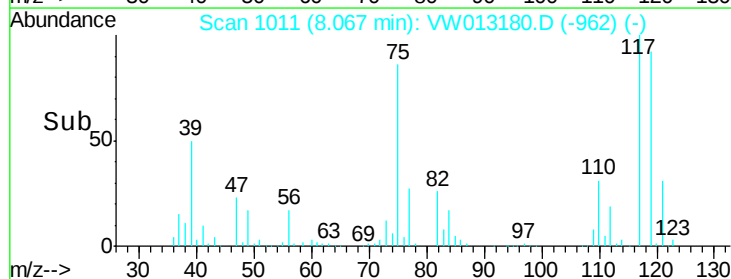
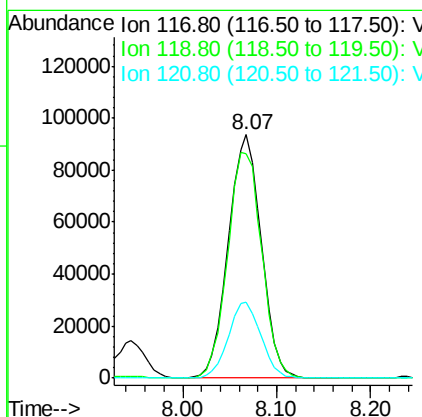
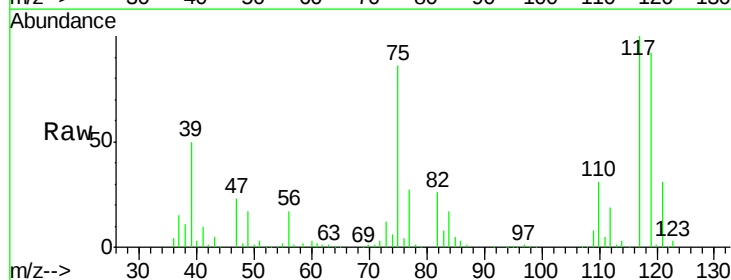
Manual Integrations
APPROVED

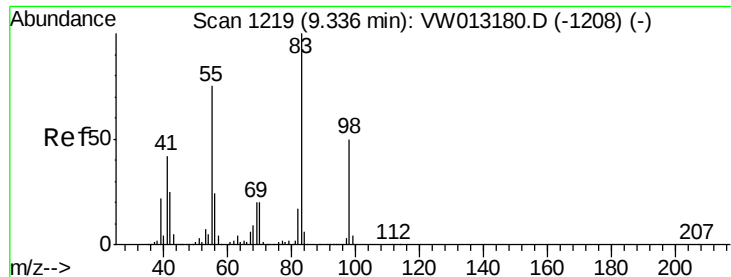
MMDadoda
9/24/2019 5:28:45 AM



#38
Carbon Tetrachloride
Concen: 53.062 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	73.5	110.3
121	31.3	25.0	37.6





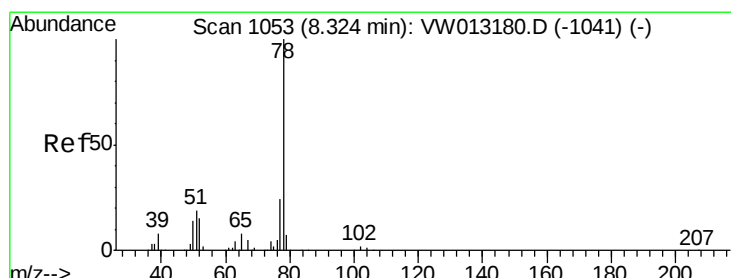
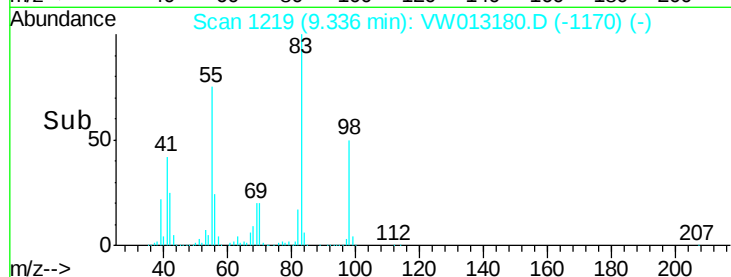
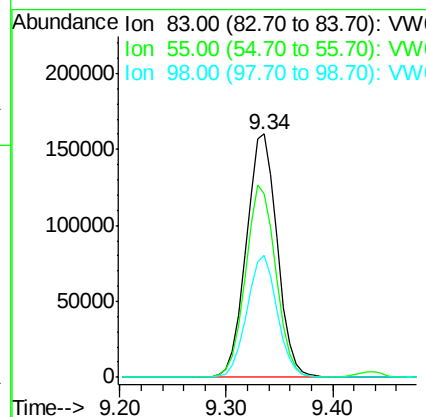
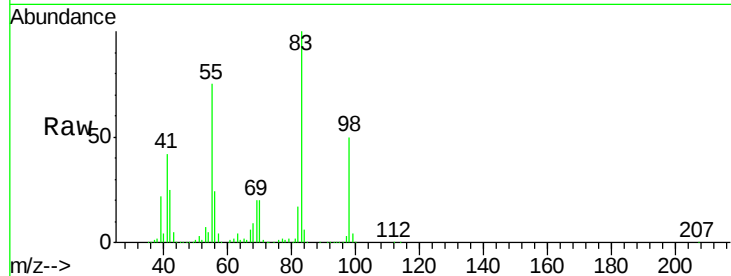
#39
Methvlcvclohexane
Concen: 67.008 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.4	90.6
98	50.0	40.0	60.0

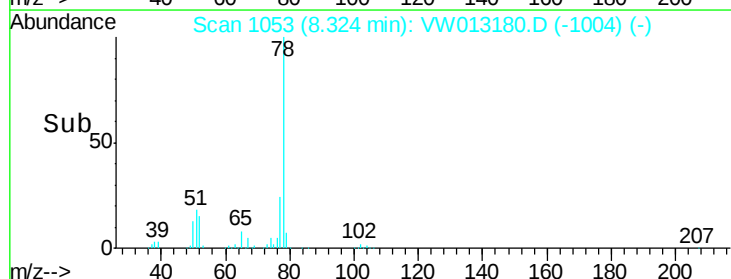
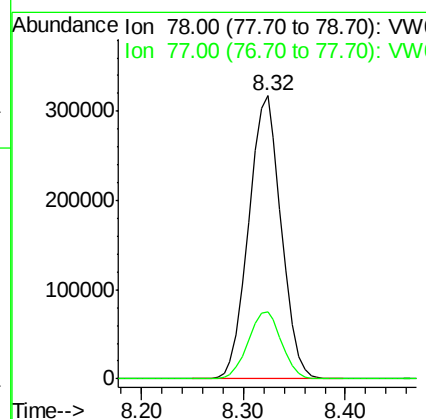
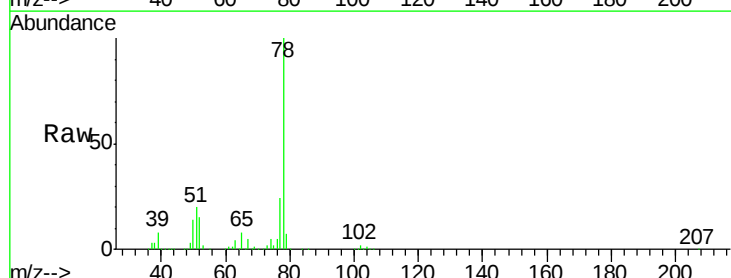
Manual Integrations
APPROVED

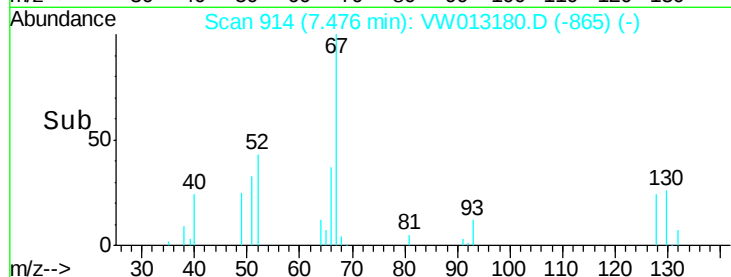
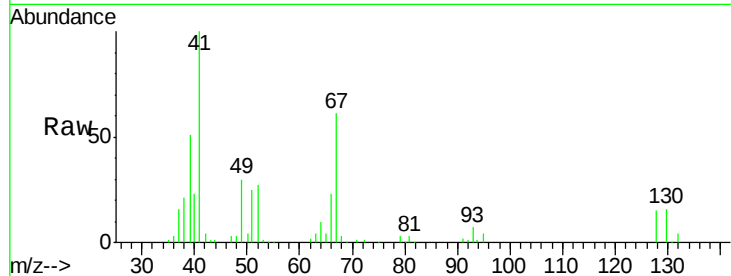
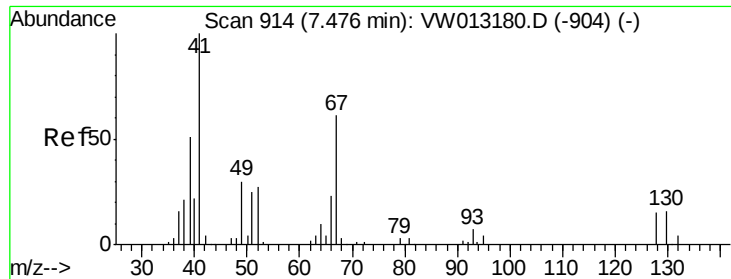
MMDadoda
9/24/2019 5:28:45 AM



#40
Benzene
Concen: 58.572 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





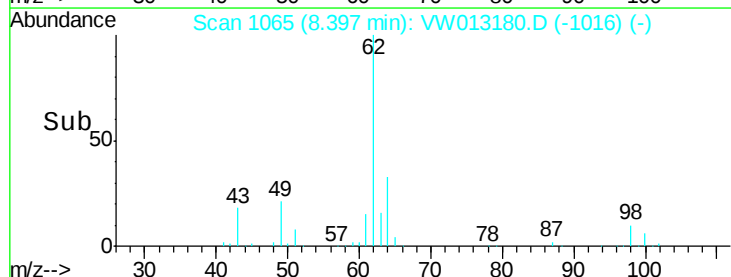
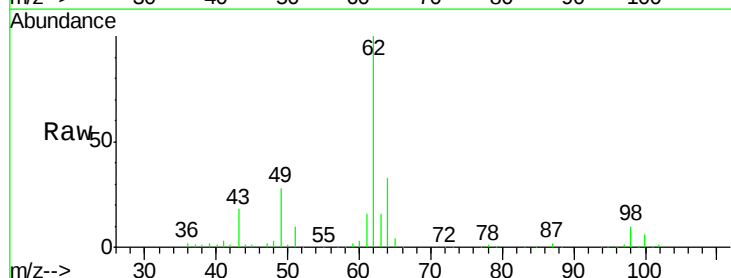
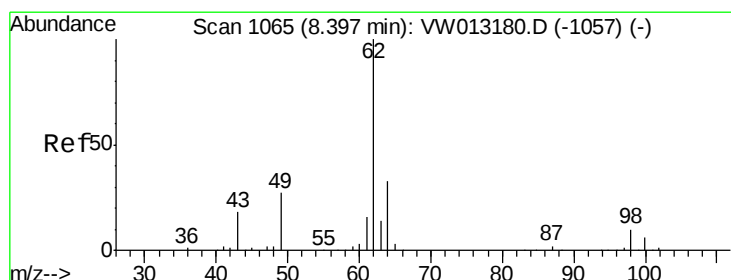
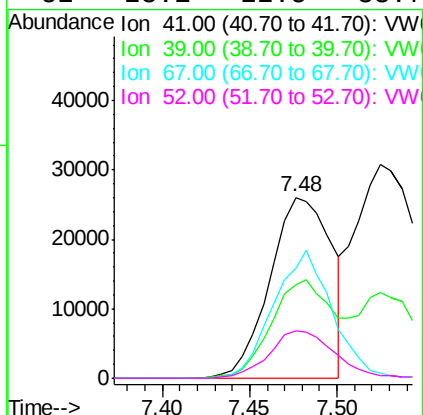
#41
Methacrylonitrile
Concen: 44.896 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tot Ion	41	Resp	63836
Ion Ratio	Lower	Upper	
41	100		
39	57.4	45.9	68.9
67	68.1	54.5	81.7
52	28.1	22.5	33.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

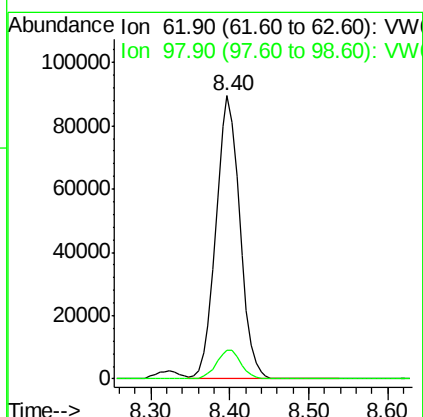
Manual Integrations
APPROVED

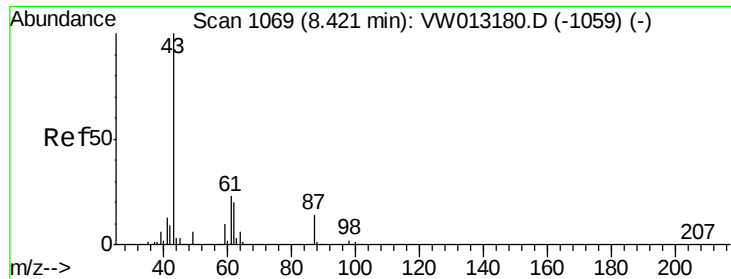
MMDadoda
9/24/2019 5:28:45 AM



#42
1,2-Dichloroethane
Concen: 48.859 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	62	Resp	188597
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 48.007 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

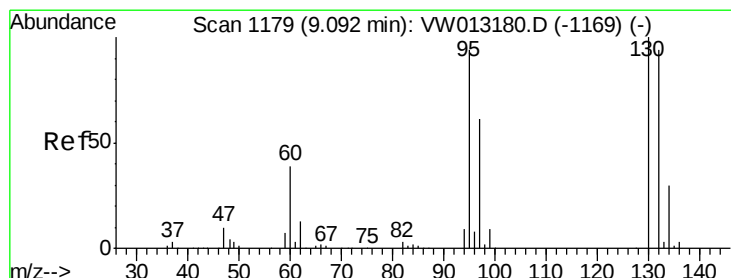
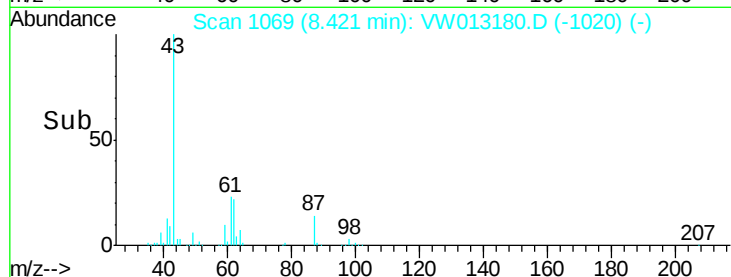
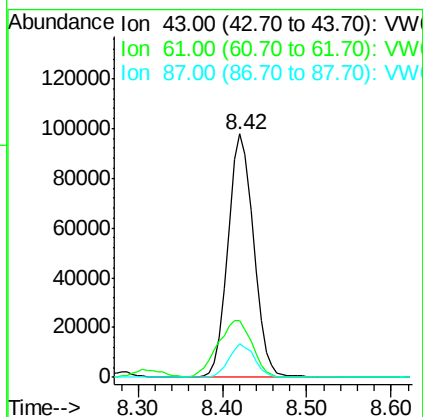
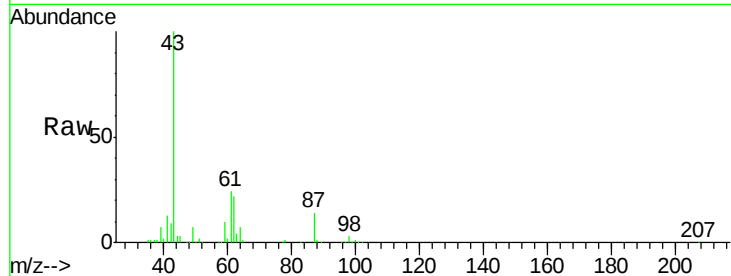
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	200504
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.5	38.3
87	13.7	11.0	16.4

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#44

Trichloroethene

Concen: 59.294 ug/l

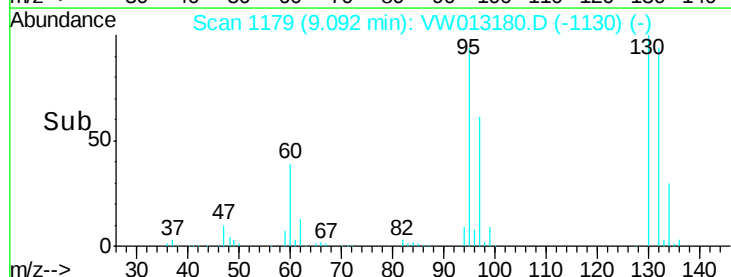
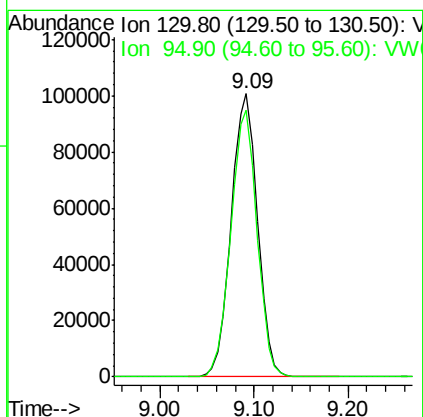
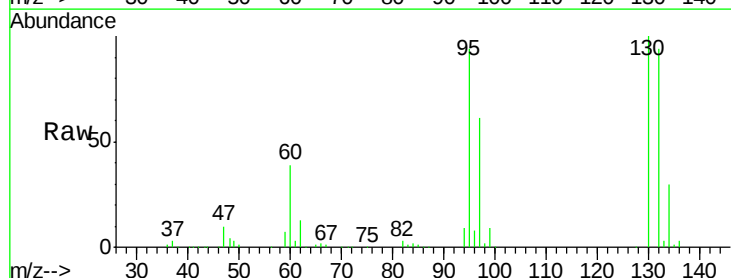
RT: 9.09 min Scan# 1179

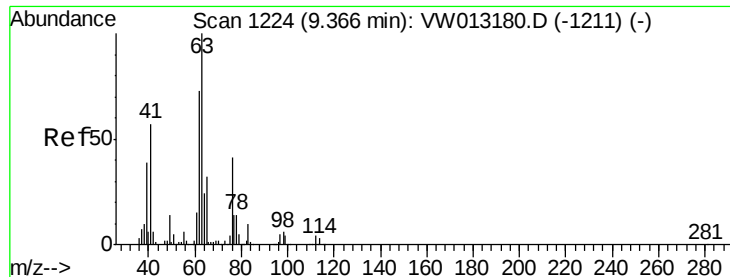
Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion:	130	Resp:	195795
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	188.0





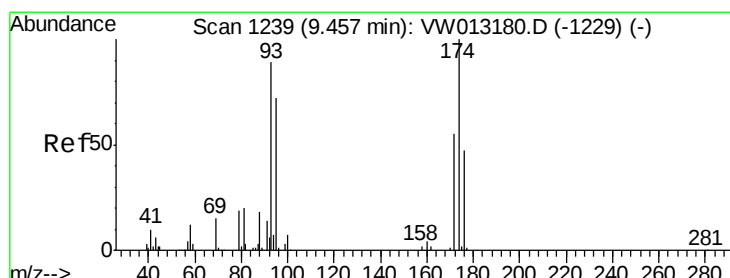
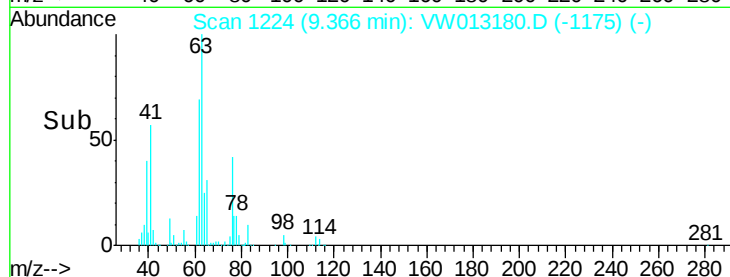
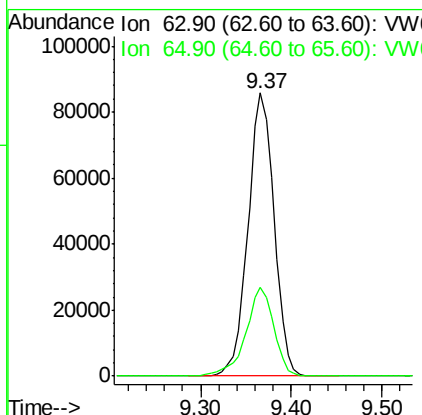
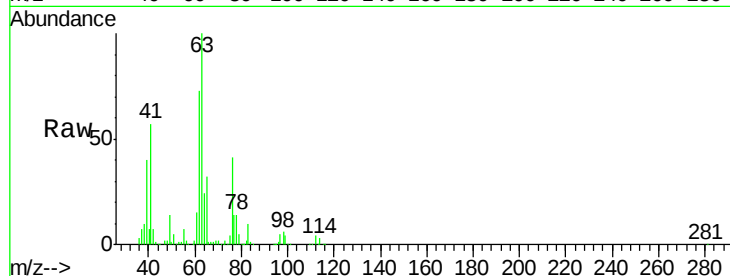
#45
 1,2-Dichloropropane
 Concen: 54.748 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	63	Resp	171000
Ion Ratio	Lower	Upper	
63	100		
65	31.6	25.3	37.9

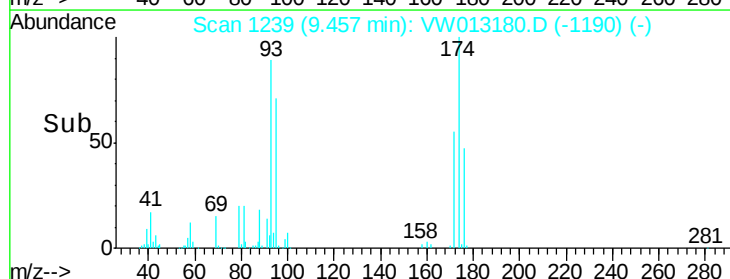
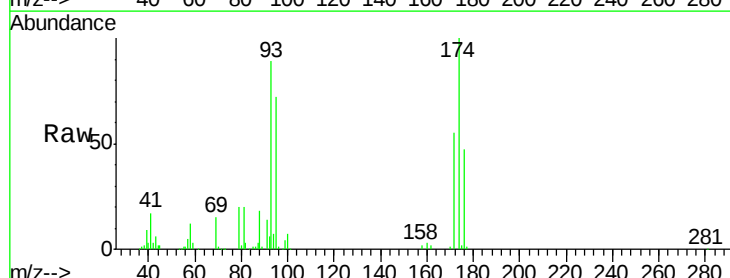
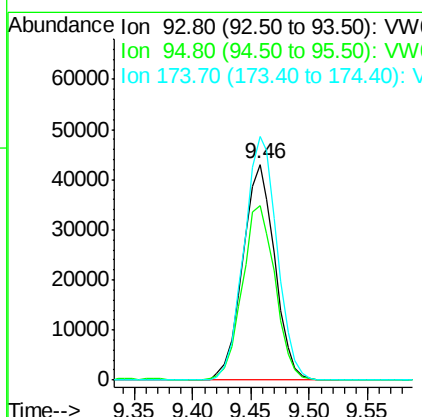
Manual Integrations
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MMDadoda
 9/24/2019 5:28:45 AM



#46
 Dibromomethane
 Concen: 55.150 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	93	Resp	82726
Ion Ratio	Lower	Upper	
93	100		
95	83.0	66.4	99.6
174	116.3	93.0	139.6





#47

Bromodichloromethane

Concen: 51.860 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

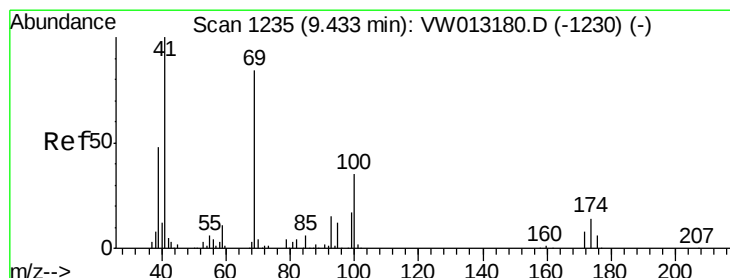
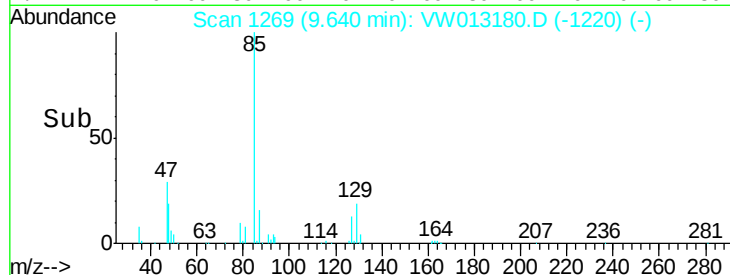
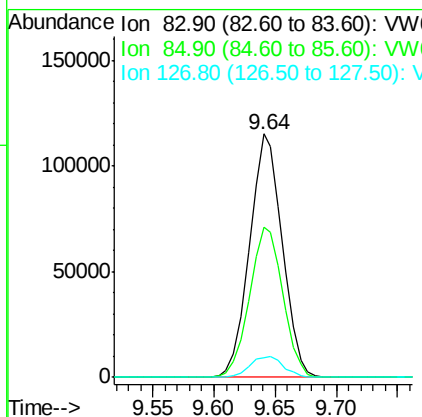
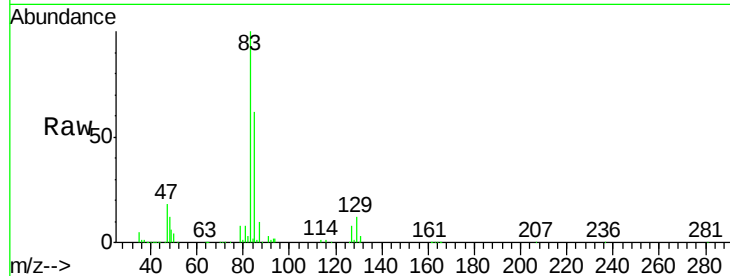
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	214485
Ion Ratio	Lower	Upper	
83	100		
85	61.8	49.4	74.2
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.218 ug/l

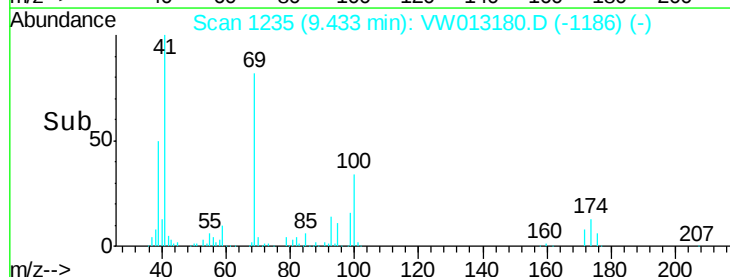
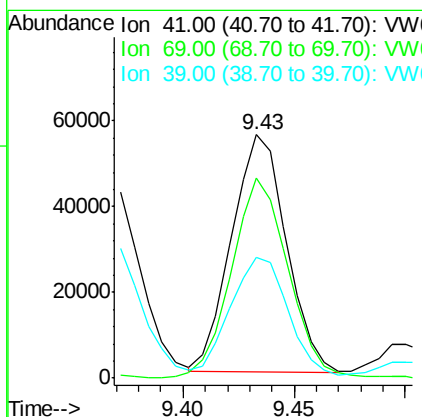
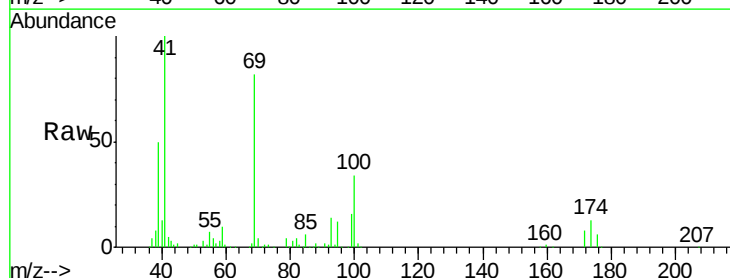
RT: 9.43 min Scan# 1235

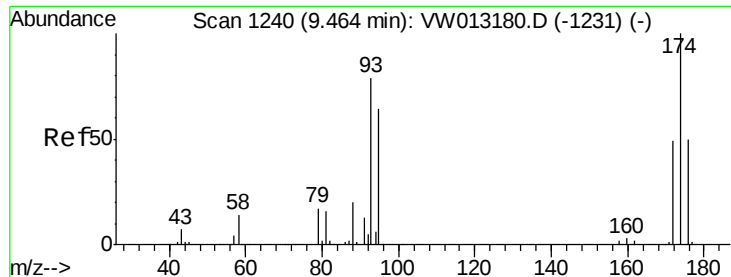
Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion:	41	Resp:	94725
Ion Ratio	Lower	Upper	
41	100		
69	87.1	69.7	104.5
39	51.4	41.1	61.7





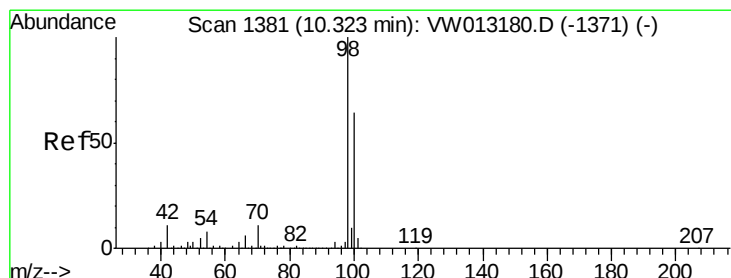
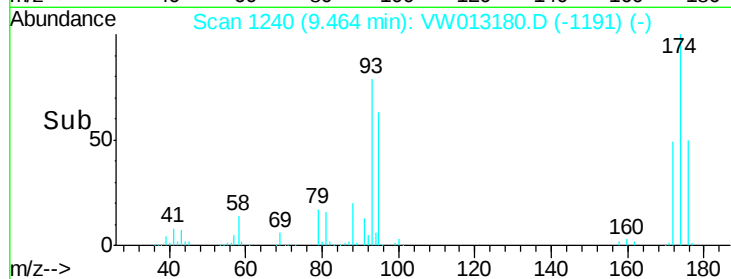
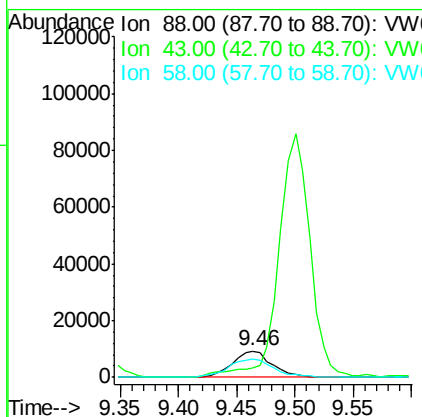
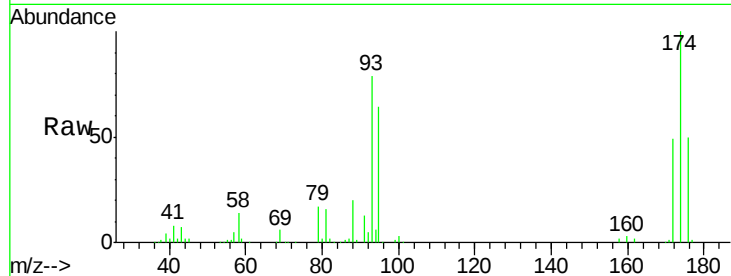
#49
 1,4-Dioxane
 Concen: 900.571 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	88	Resp	21640
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	81.7	65.4	98.0

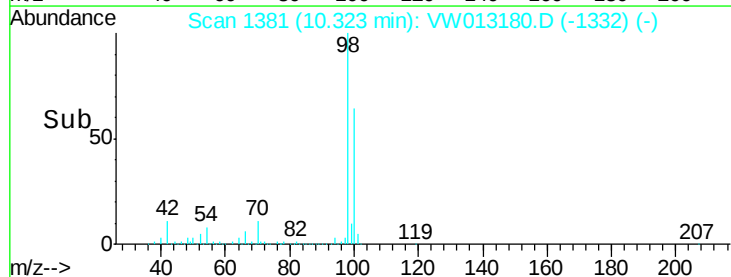
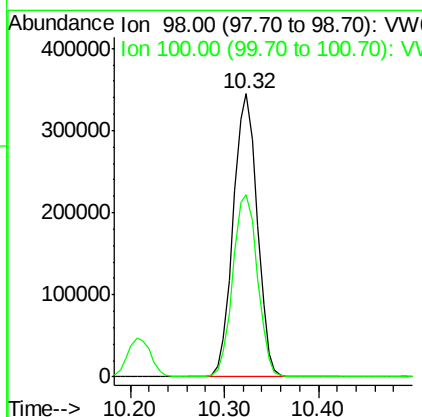
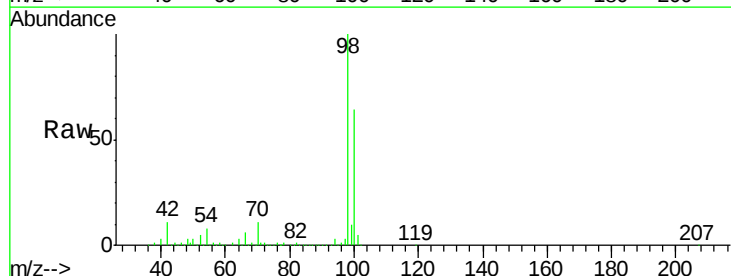
Manual Integrations
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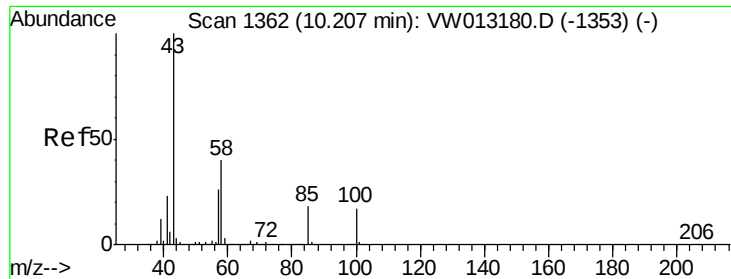
MMDadoda
 9/24/2019 5:28:45 AM



#50
 Toluene-d8
 Concen: 55.094 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	98	Resp	611038
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 234.766 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 504105

Ion Ratio Lower Upper

43 100

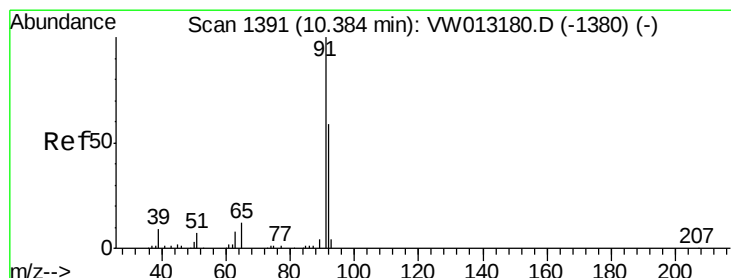
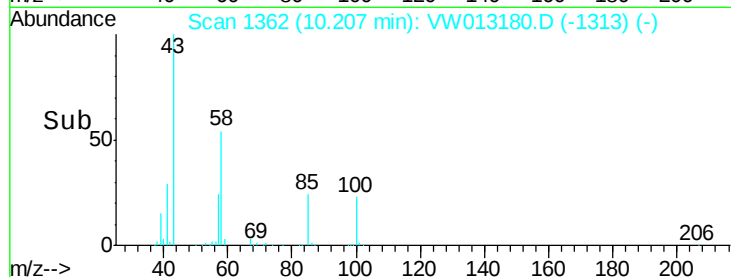
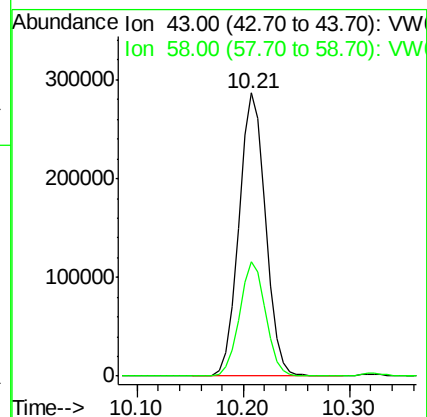
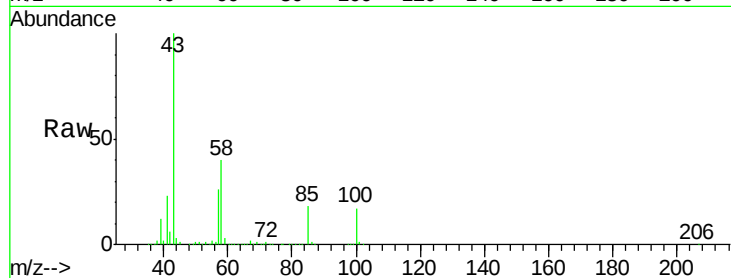
58 39.6 31.7 47.5

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#52

Toluene

Concen: 59.379 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013180.D

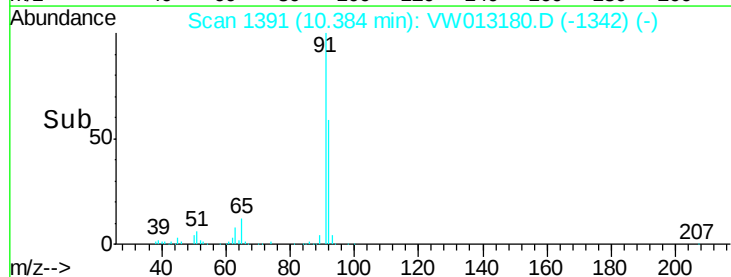
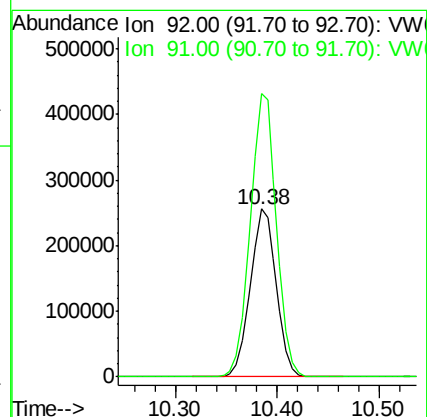
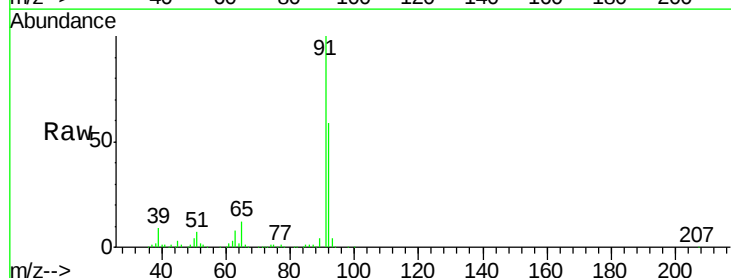
Acq: 20 Sep 2019 14:01

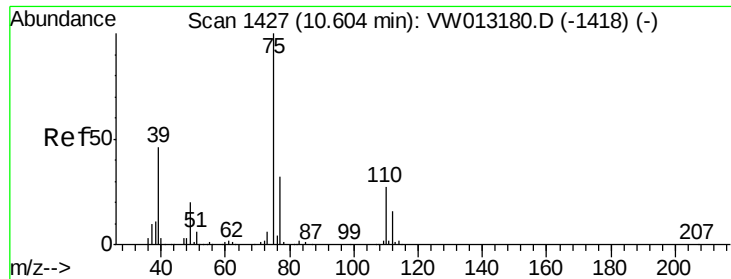
Tgt Ion: 92 Resp: 452247

Ion Ratio Lower Upper

92 100

91 169.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 53.337 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 75 Resp: 223058

Ion Ratio Lower Upper

75 100

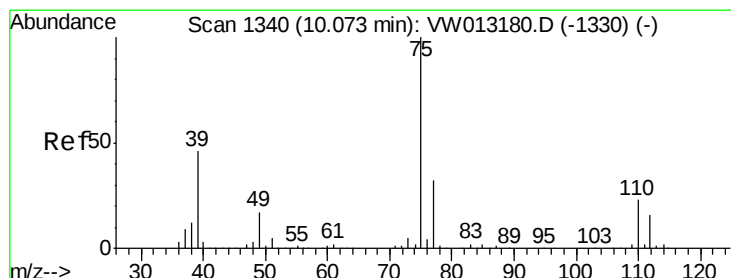
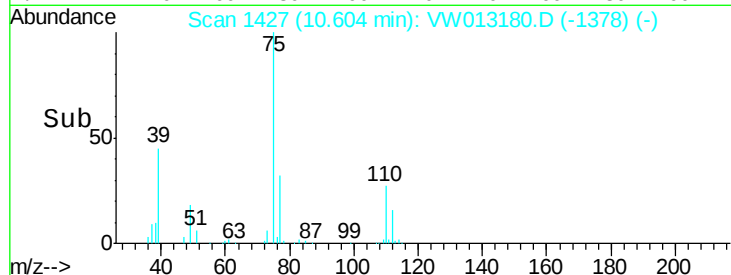
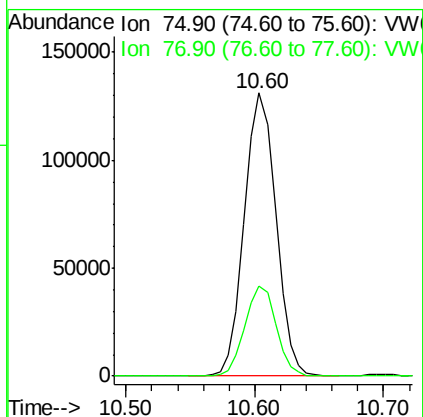
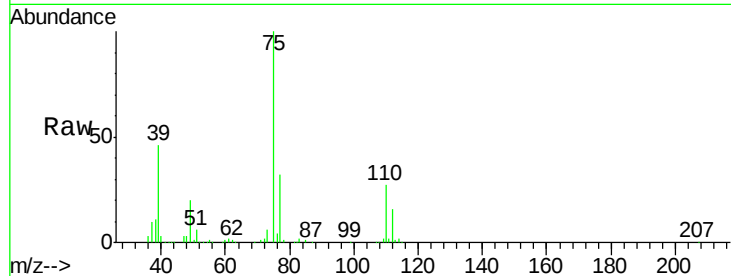
77 31.9 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.296 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

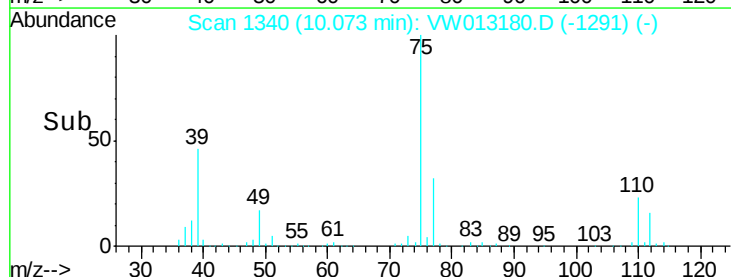
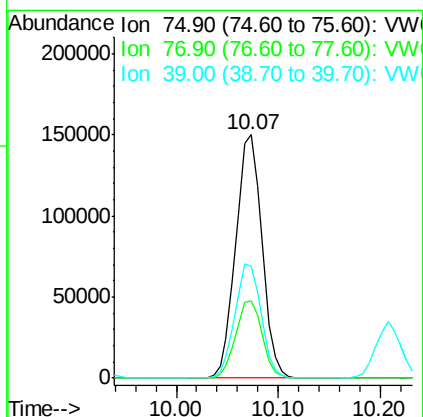
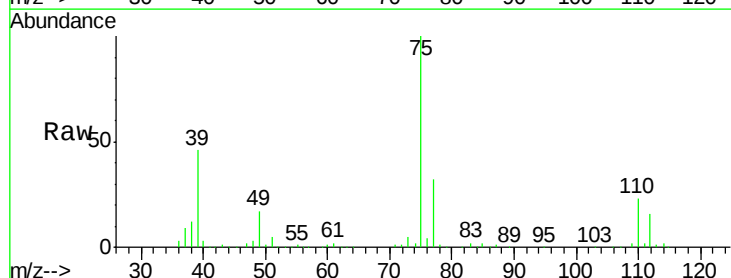
Tgt Ion: 75 Resp: 266998

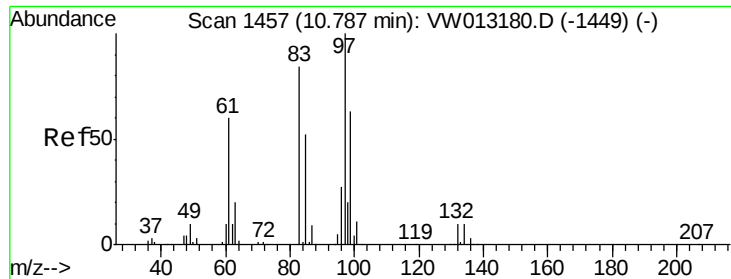
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 45.8 36.6 55.0





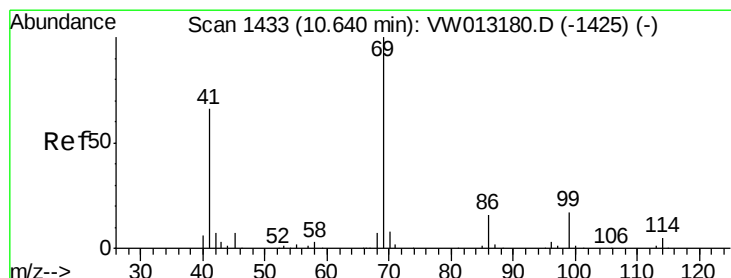
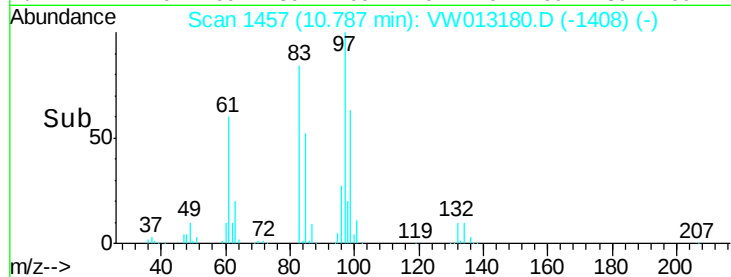
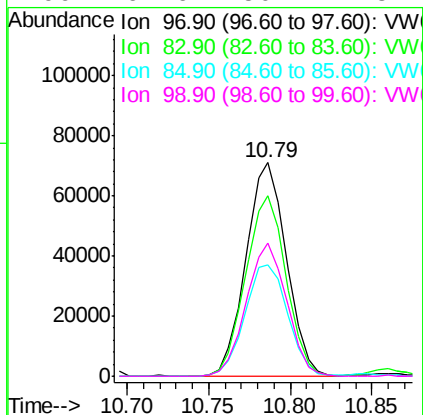
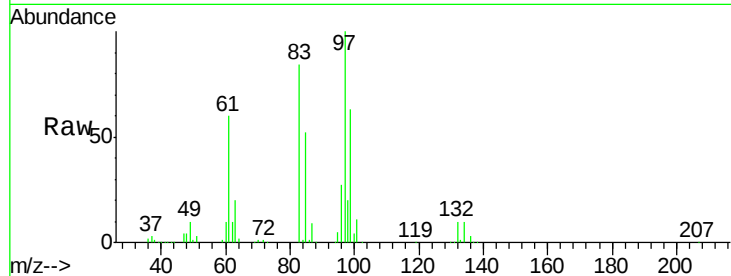
#55
 1,1,2-Trichloroethane
 Concen: 53.817 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	97	Resp	122566
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.6	101.4
85	52.4	41.9	62.9
99	62.6	50.1	75.1

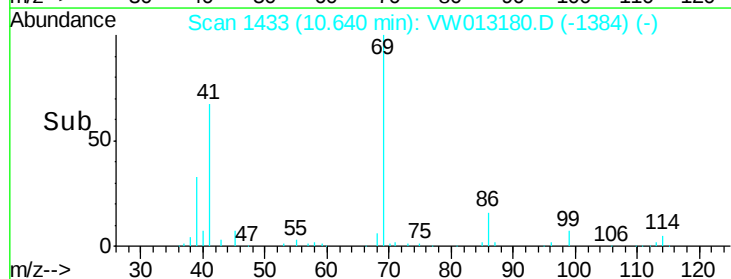
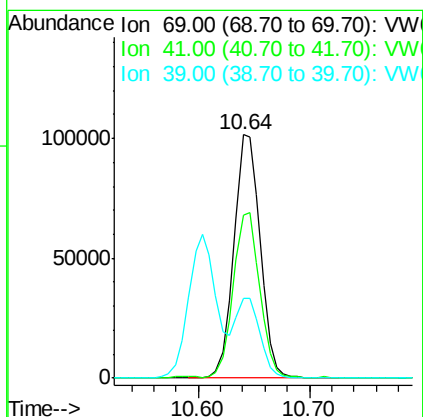
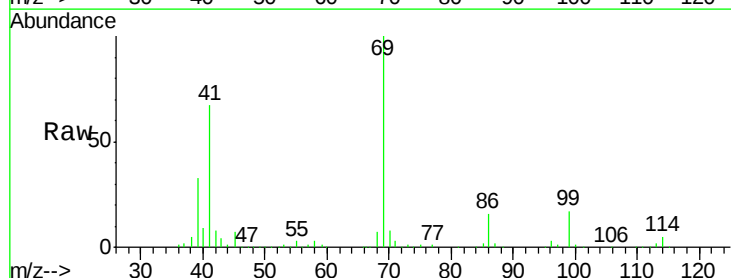
Manual Integrations
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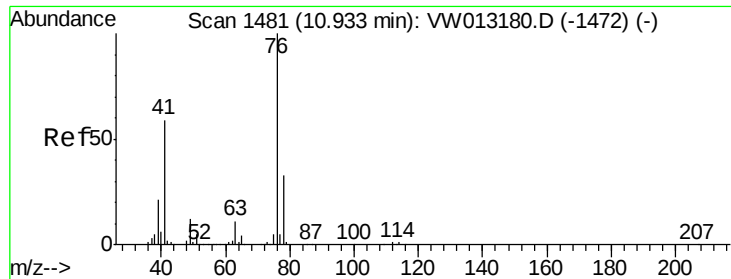
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 9/24/2019 5:28:45 AM



#56
 Ethyl methacrylate
 Concen: 54.572 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	69	Resp	166300
Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.9	80.9
39	29.7	23.8	35.6





#57

1,3-Dichloropropane

Concen: 54.058 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 217807

Ion Ratio Lower Upper

76 100

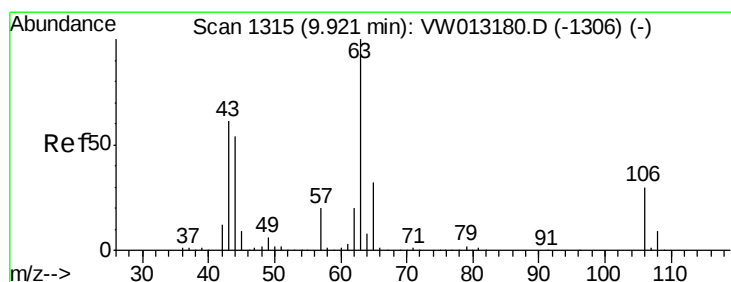
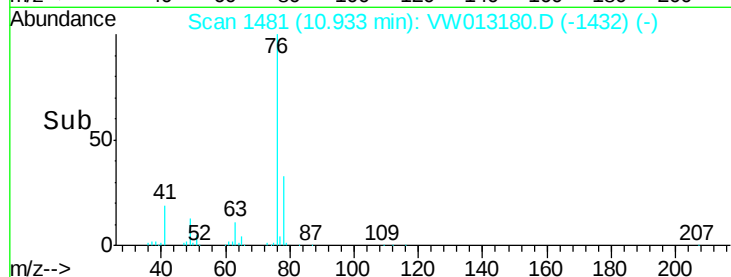
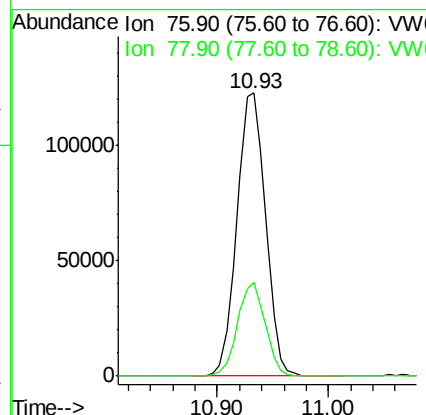
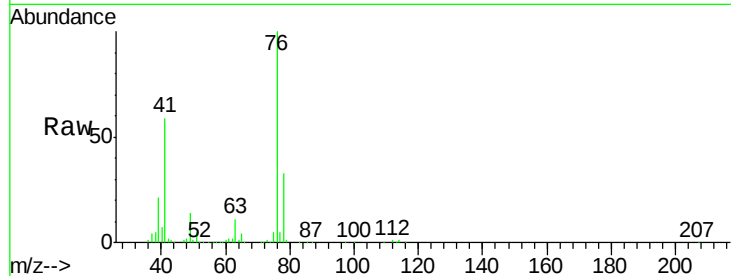
78 31.9 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 247.108 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013180.D

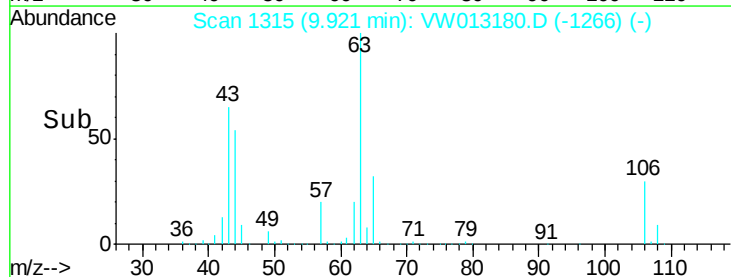
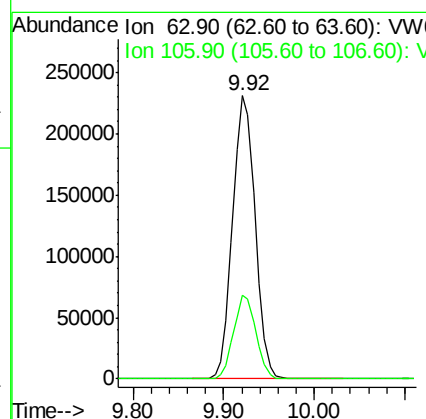
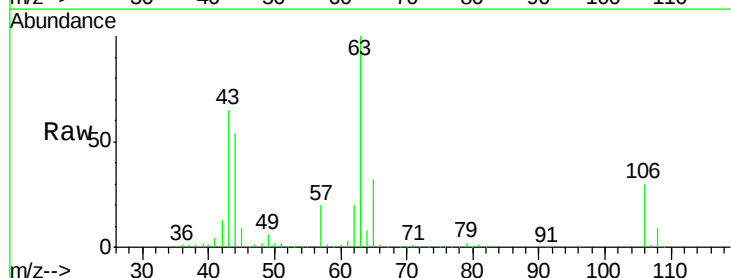
Acq: 20 Sep 2019 14:01

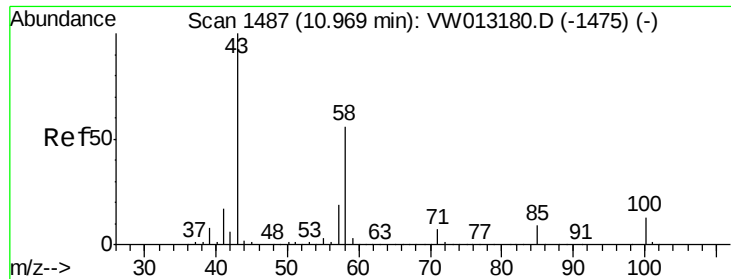
Tgt Ion: 63 Resp: 398369

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.0





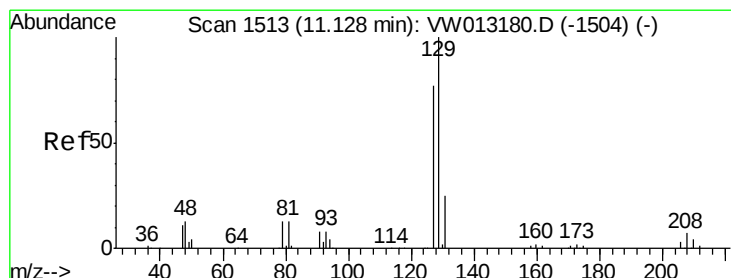
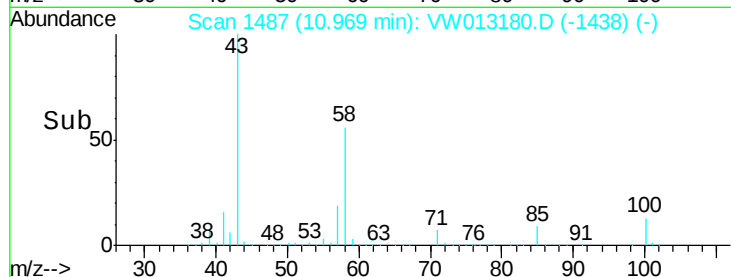
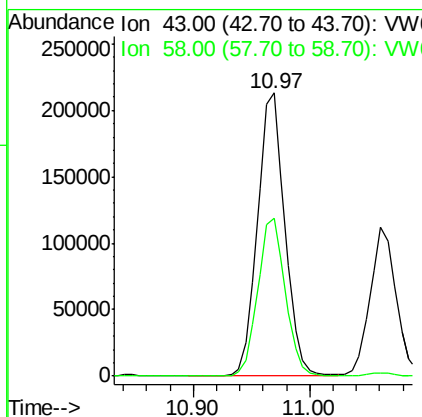
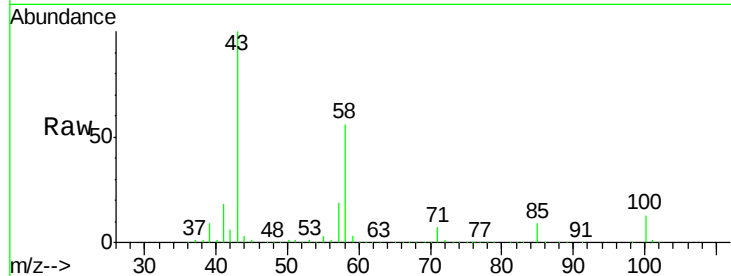
#59
2-Hexanone
Concen: 234.044 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 348096
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.2

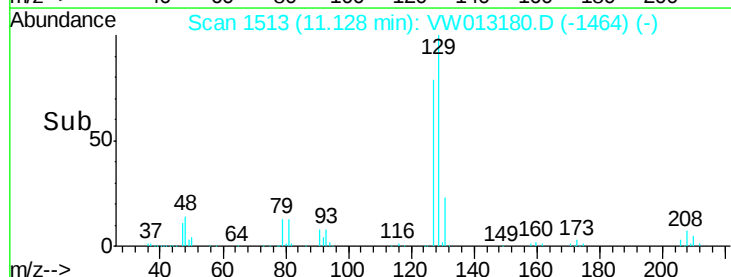
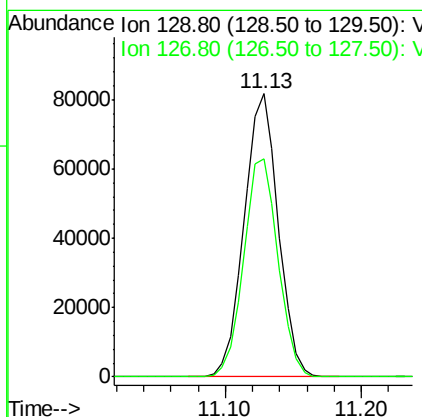
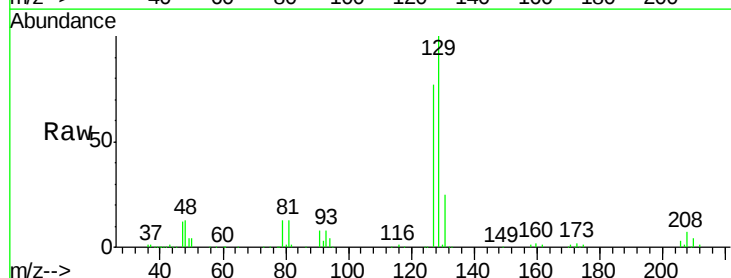
Manual Integrations
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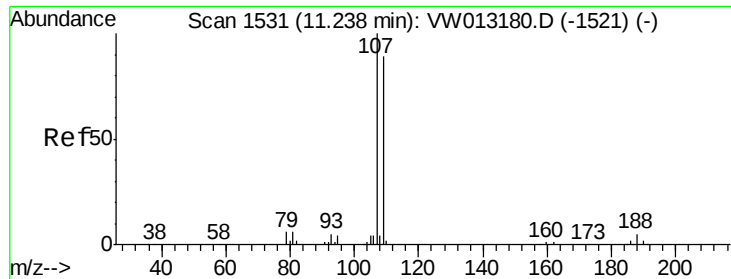
MMDadoda
9/24/2019 5:28:45 AM



#60
Dibromochloromethane
Concen: 52.683 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion: 129 Resp: 143304
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 55.611 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 115901

Ion Ratio Lower Upper

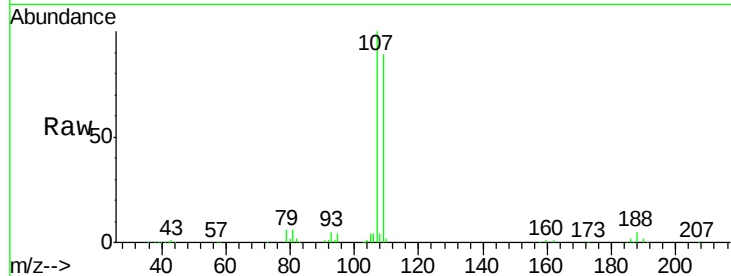
107 100

109 94.0 75.2 112.8

Manual Integrations
APPROVED

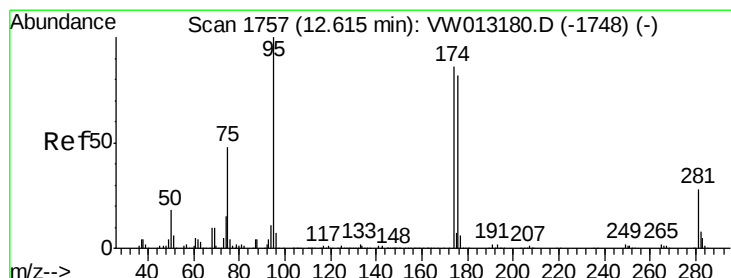
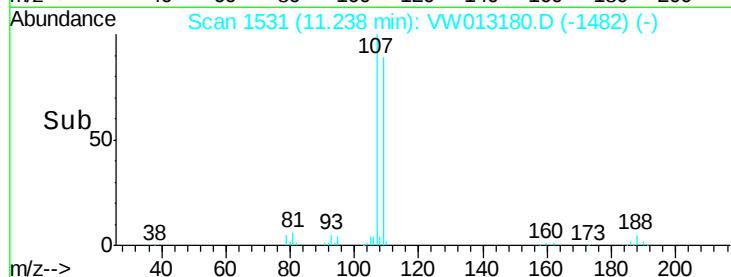
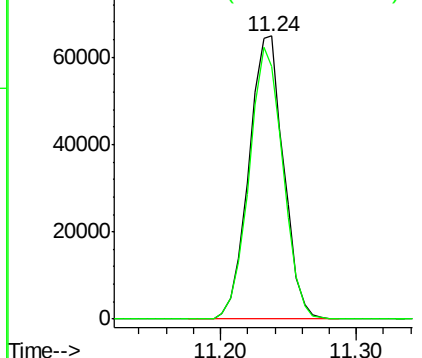
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.941 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

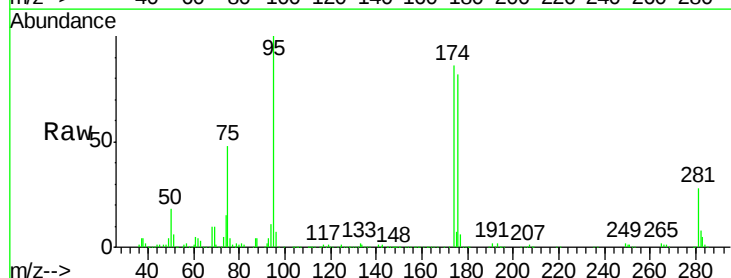
Tgt Ion: 95 Resp: 206285

Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.4

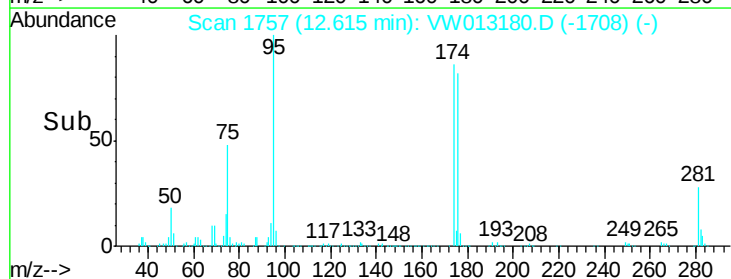
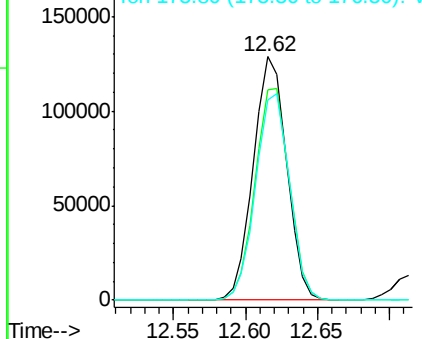
176 86.1 0.0 172.2

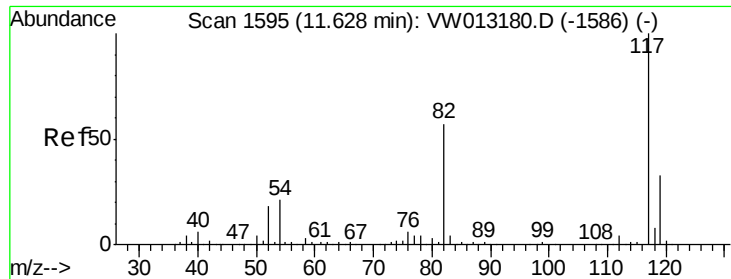


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





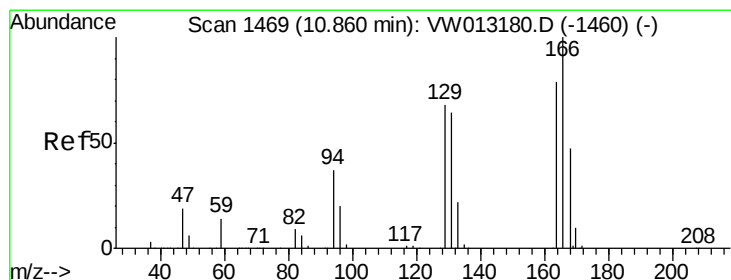
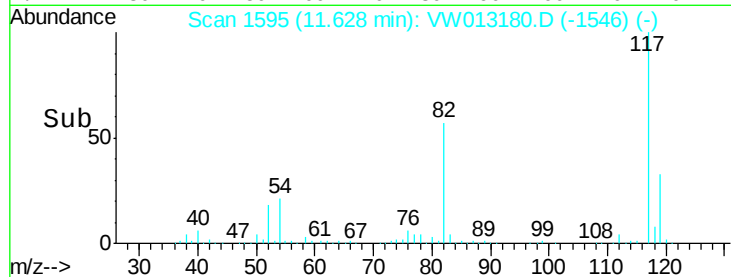
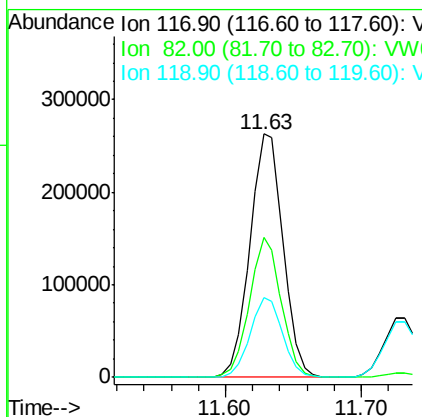
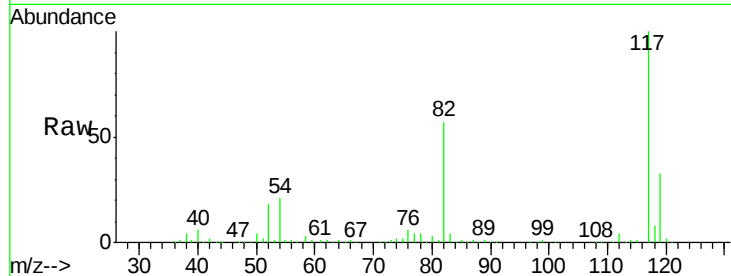
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.9	68.9
119	32.7	26.2	39.2

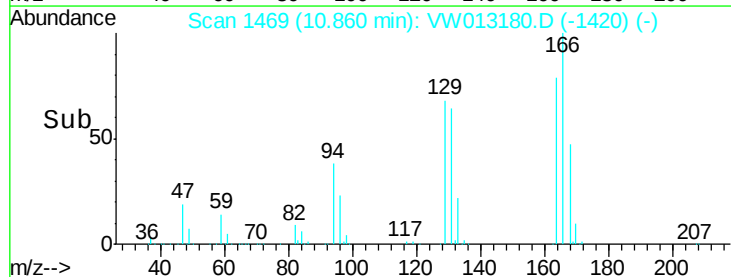
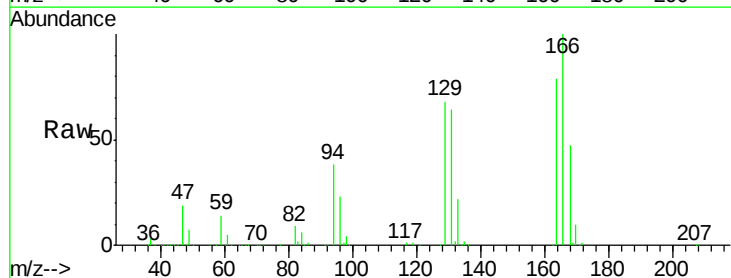
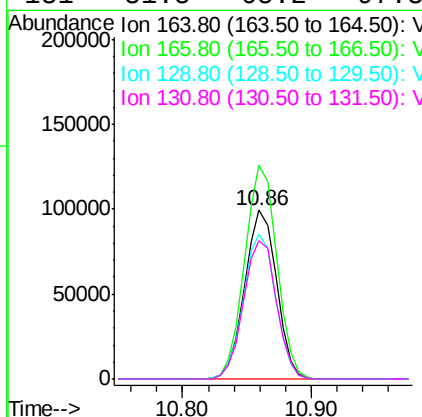
Manual Integrations
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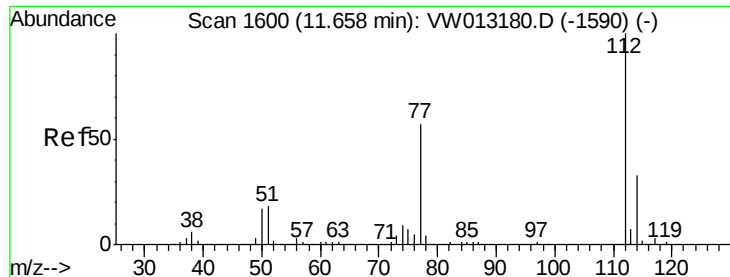
MMDadoda
9/24/2019 5:28:45 AM



#64
Tetrachloroethene
Concen: 60.631 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.2	151.8
129	86.0	68.8	103.2
131	81.5	65.2	97.8





#65

Chlorobenzene

Concen: 56.335 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 462770

Ion Ratio Lower Upper

112 100

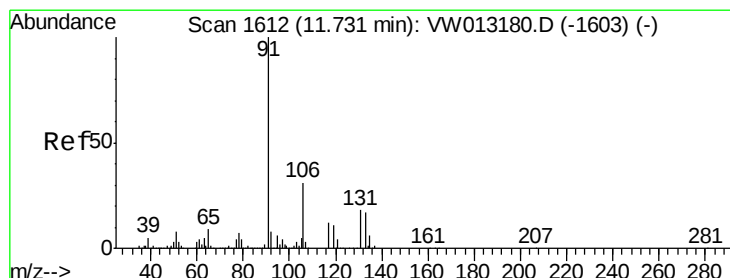
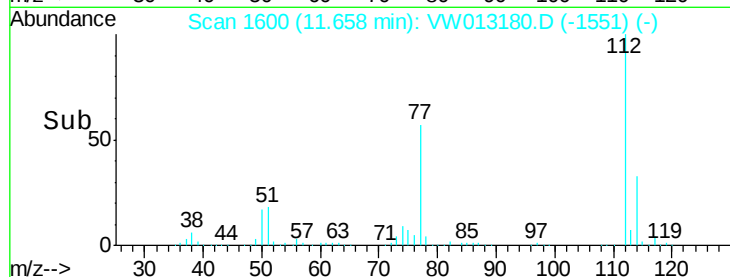
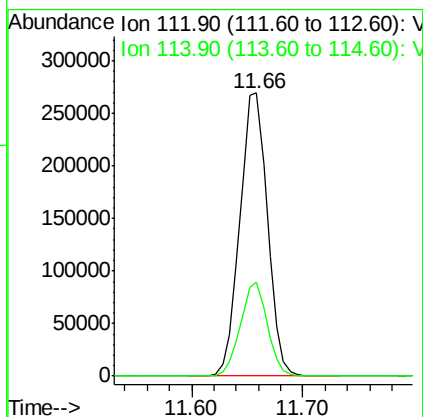
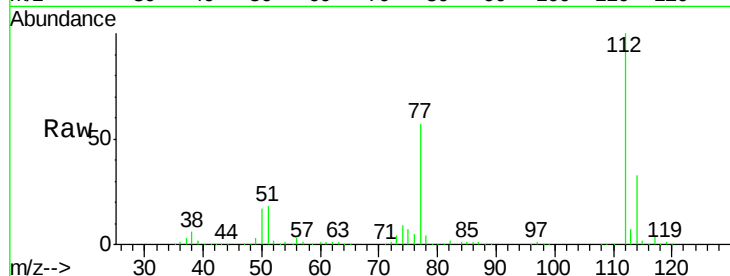
114 33.1 26.5 39.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.650 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

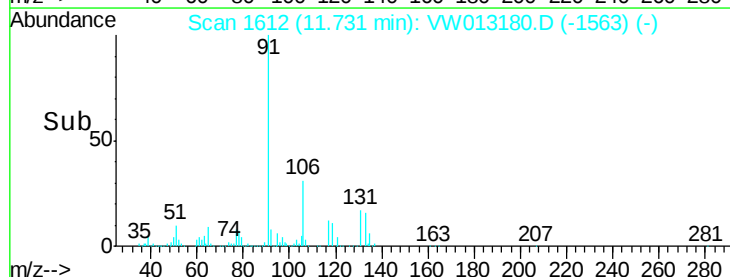
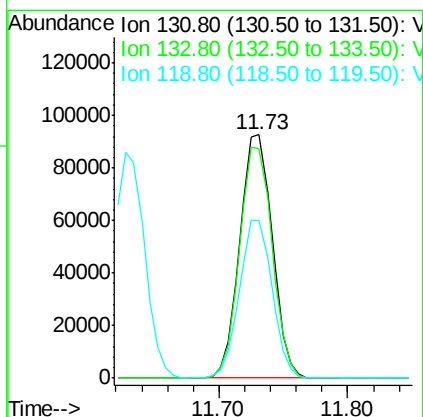
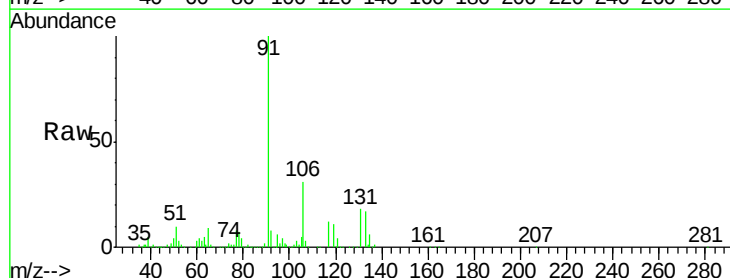
Tgt Ion:131 Resp: 162397

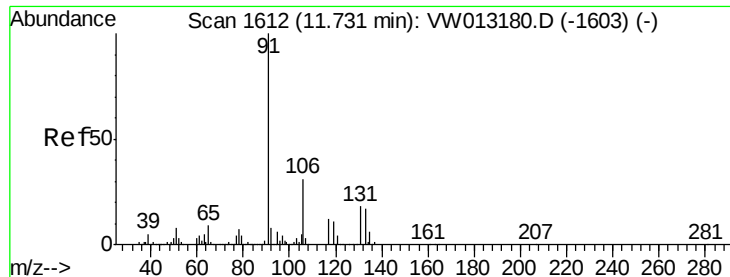
Ion Ratio Lower Upper

131 100

133 95.1 47.5 142.6

119 65.0 32.5 97.5





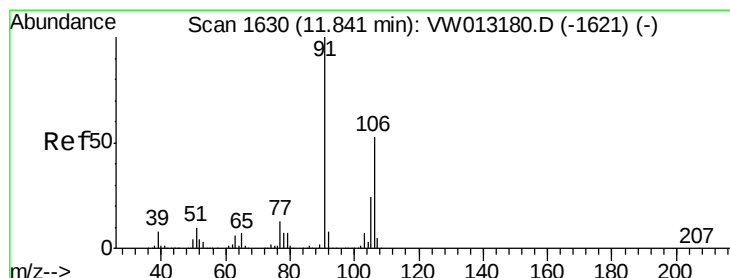
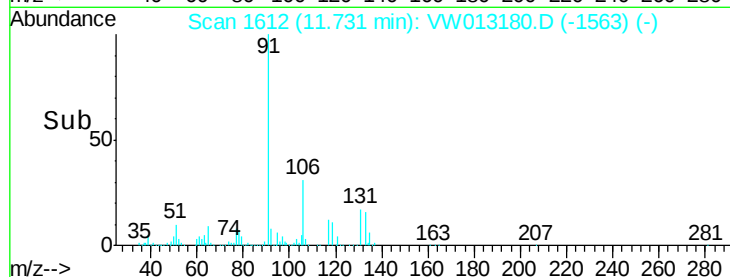
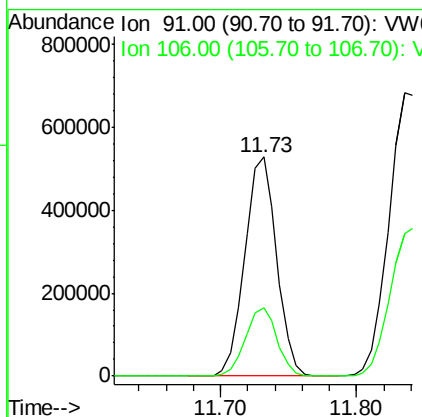
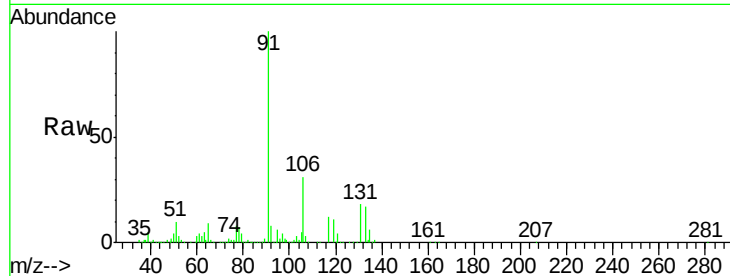
#67
Ethyl Benzene
Concen: 57.157 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.9	37.3

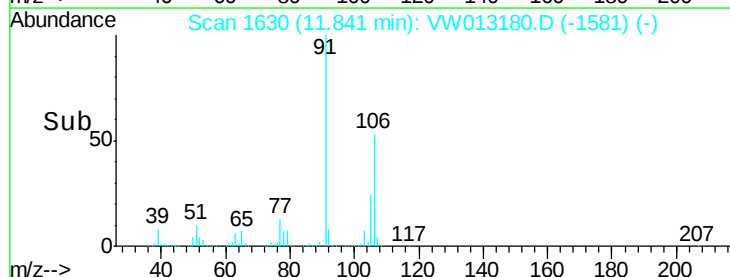
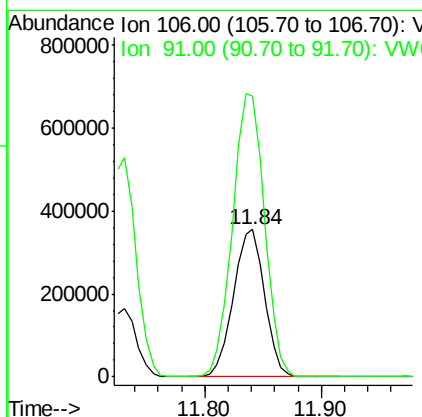
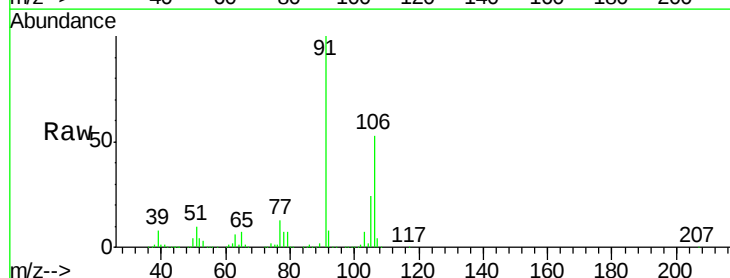
Manual Integrations
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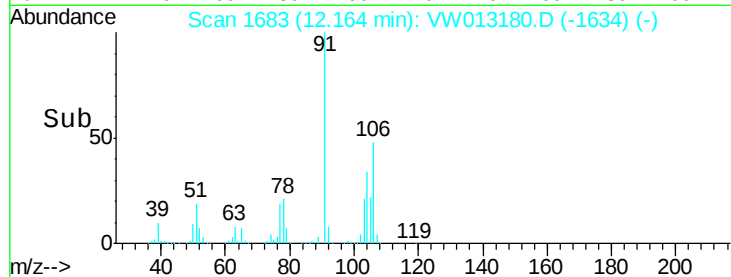
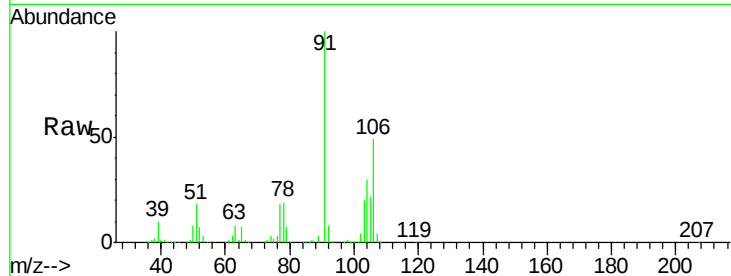
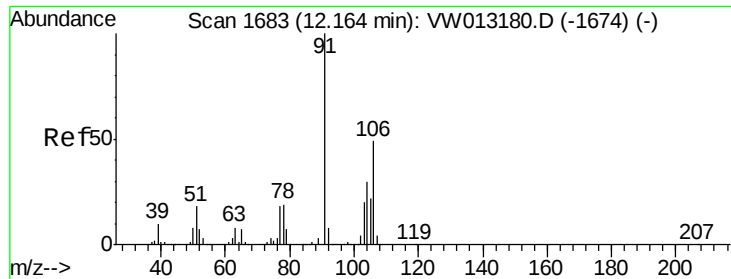
MMDadoda
9/24/2019 5:28:45 AM



#68
m/p-Xylenes
Concen: 118.835 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.4	157.9	236.9





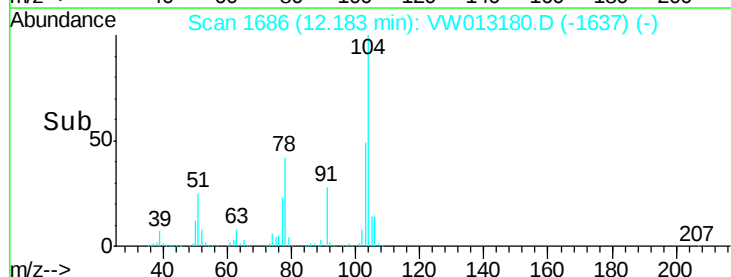
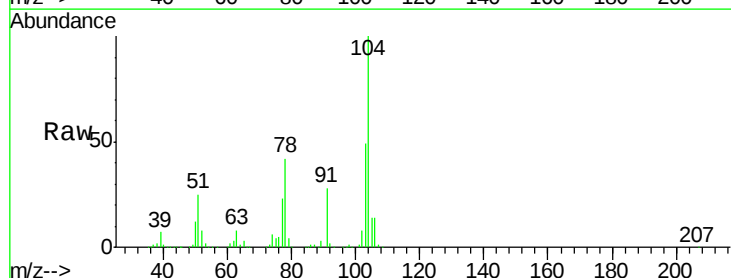
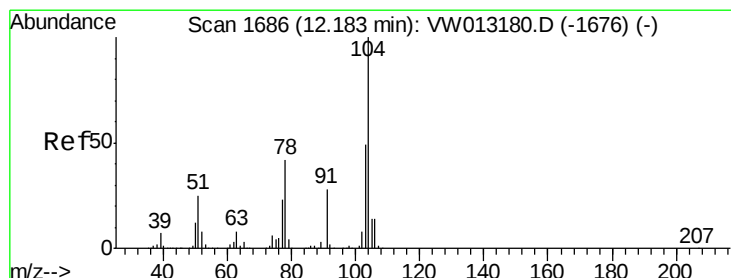
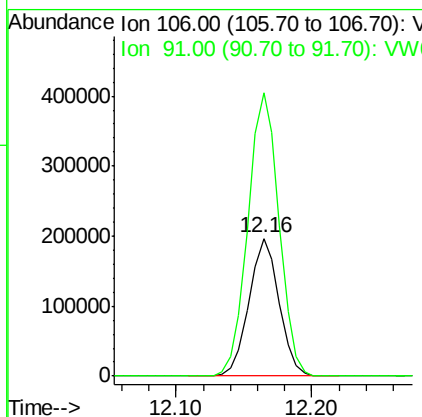
#69
o-Xylene
Concen: 58.457 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	304359		
91	213.0	106.5	319.5	

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

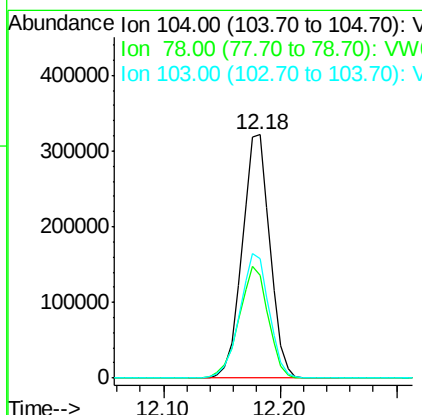
Manual Integrations
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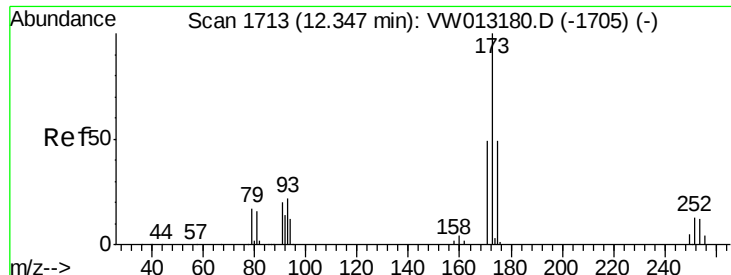
MMDadoda
9/24/2019 5:28:45 AM



#70
Styrene
Concen: 57.781 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	533121		
78	48.0	38.4	57.6	
103	54.1	43.3	64.9	





#71

Bromoform

Concen: 52.774 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 85046

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

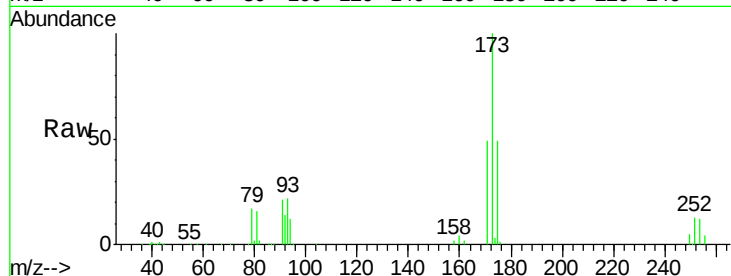
254 0.1 0.1 0.1

Manual Integrations

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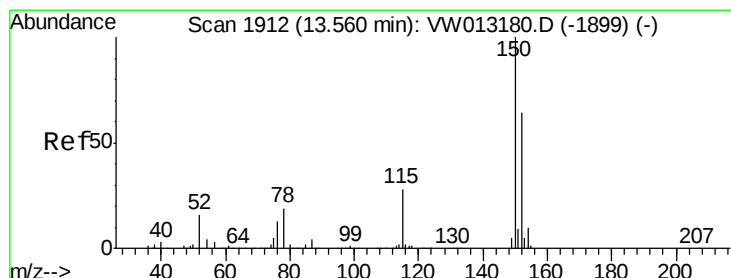
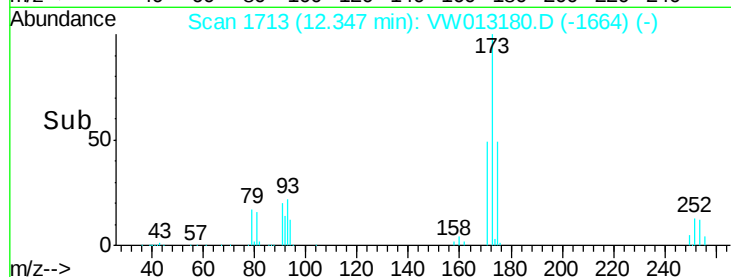
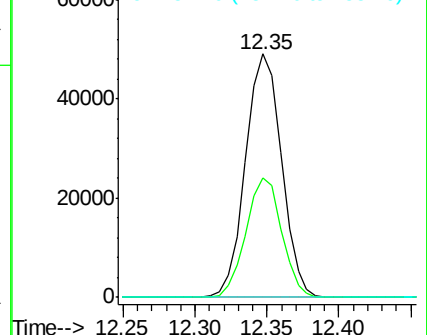
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

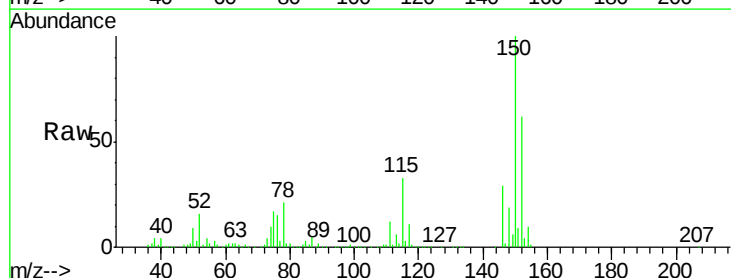
Tgt Ion:152 Resp: 226435

Ion Ratio Lower Upper

152 100

115 54.6 27.3 81.9

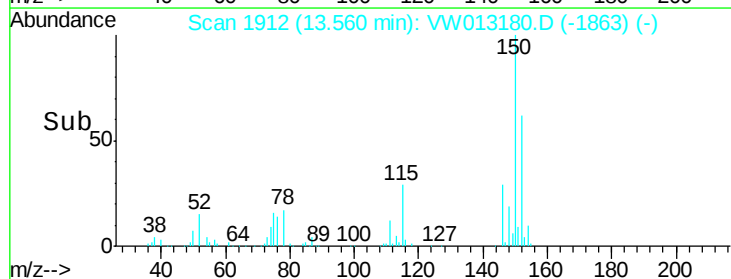
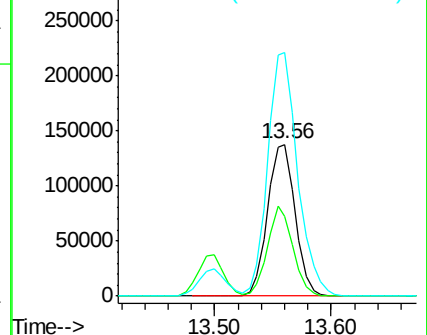
150 174.5 0.0 349.0

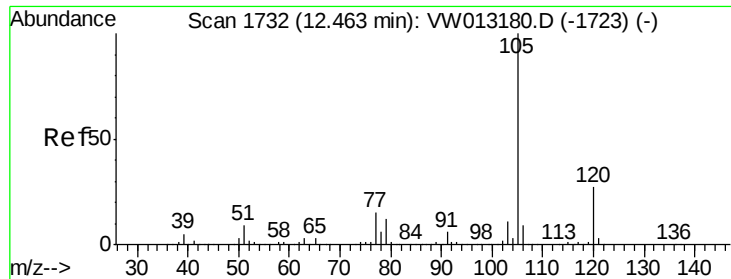


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.684 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 849080

Ion Ratio Lower Upper

105 100

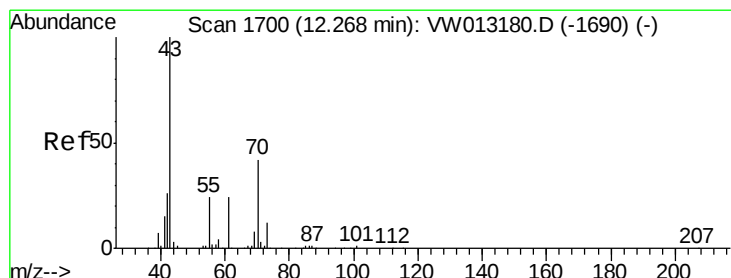
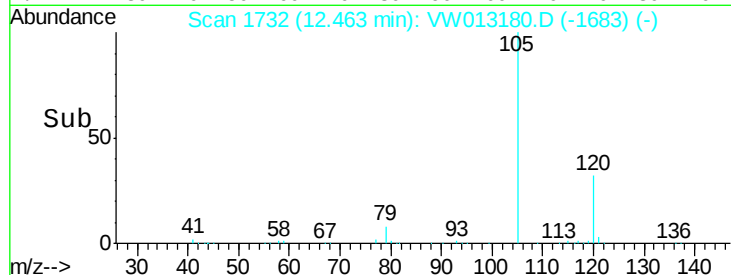
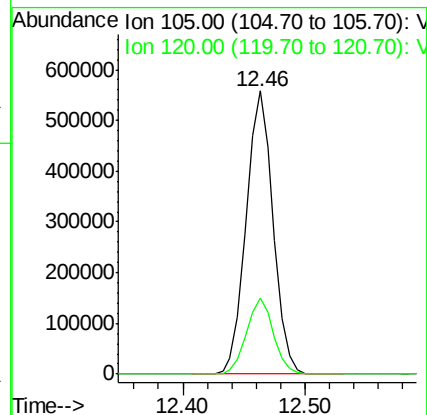
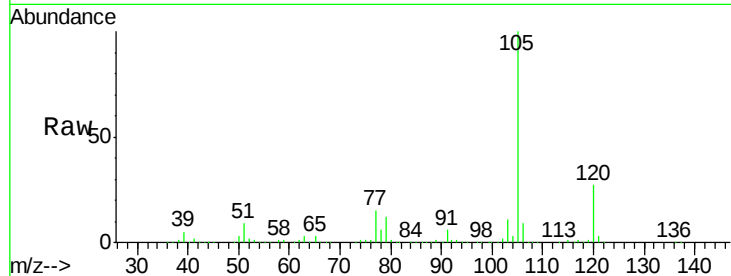
120 26.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 49.417 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion: 43 Resp: 188910

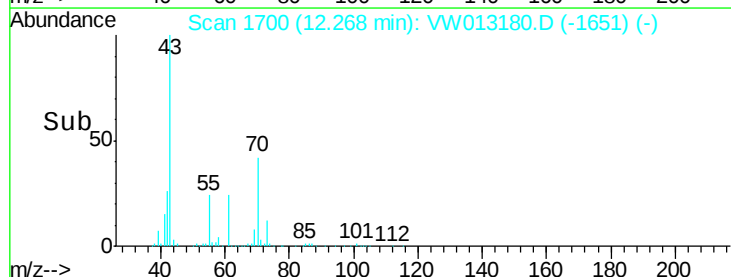
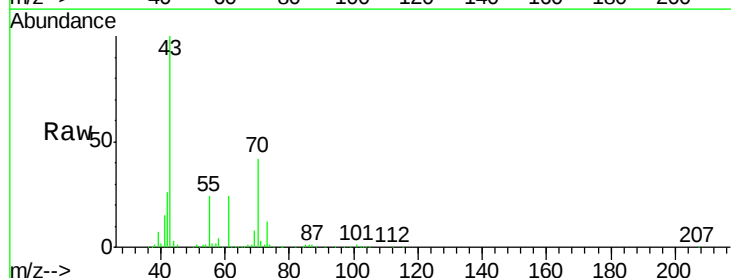
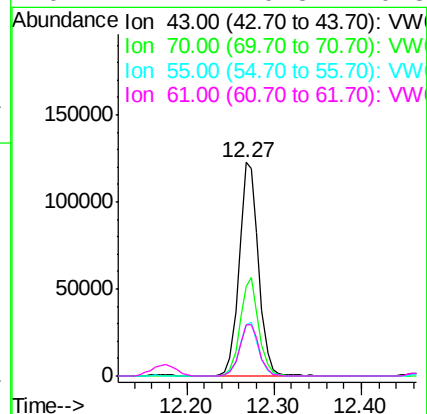
Ion Ratio Lower Upper

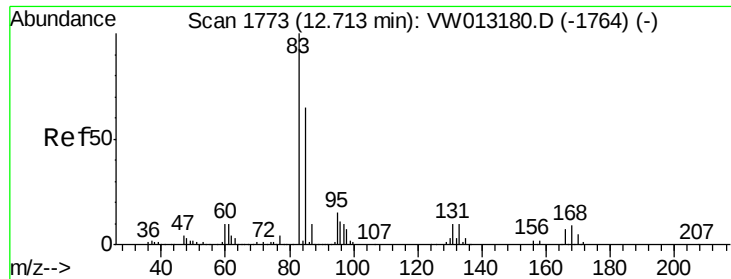
43 100

70 43.9 35.1 52.7

55 24.9 19.9 29.9

61 24.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.941 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

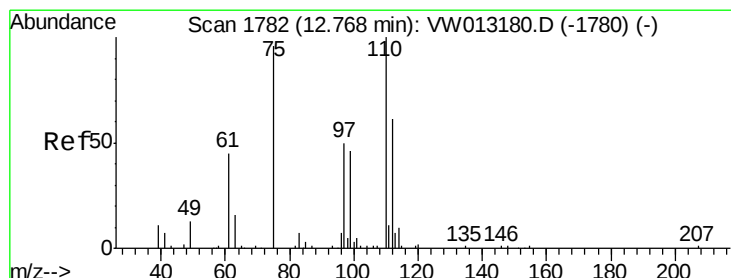
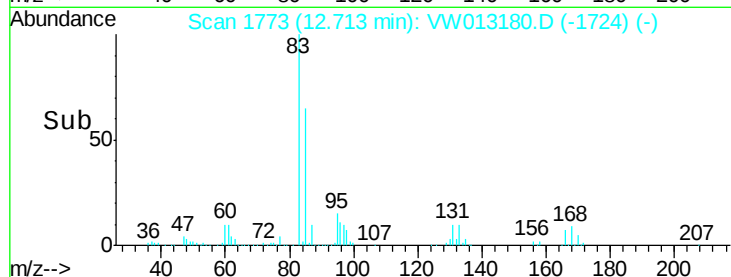
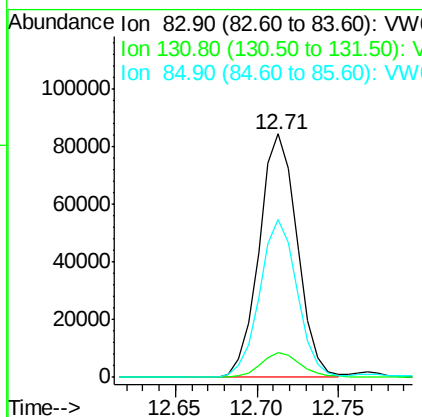
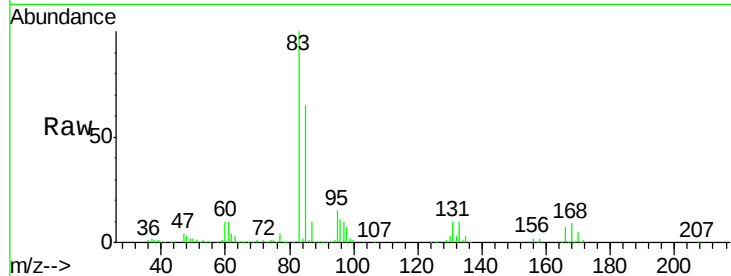
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	136902
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	63.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.551 ug/l m

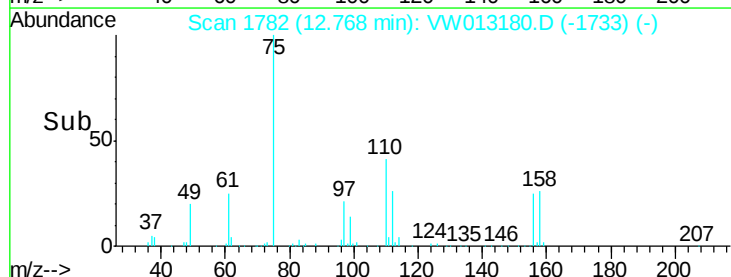
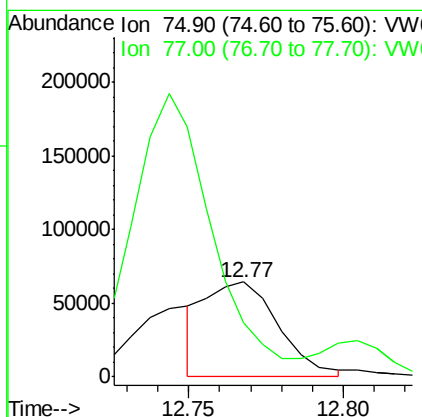
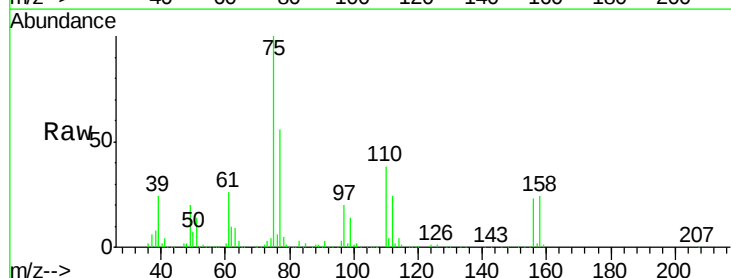
RT: 12.77 min Scan# 1782

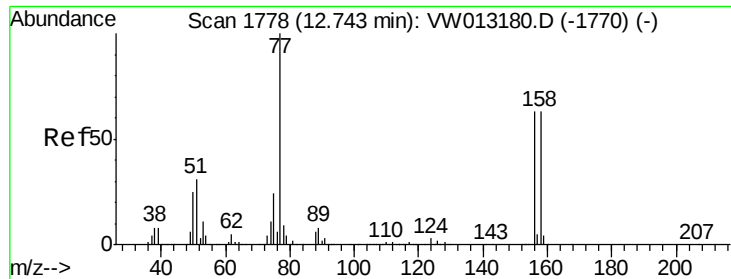
Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion:	75	Resp:	105785
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 57.443 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:156 Resp: 204059

Ion Ratio Lower Upper

156 100

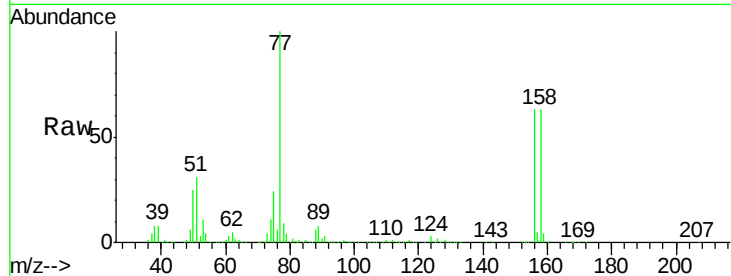
77 171.4 85.7 257.1

158 96.3 48.1 144.4

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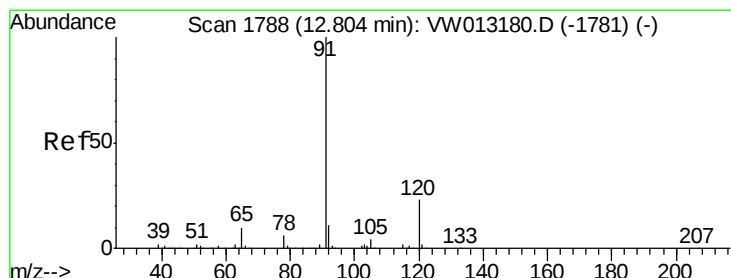
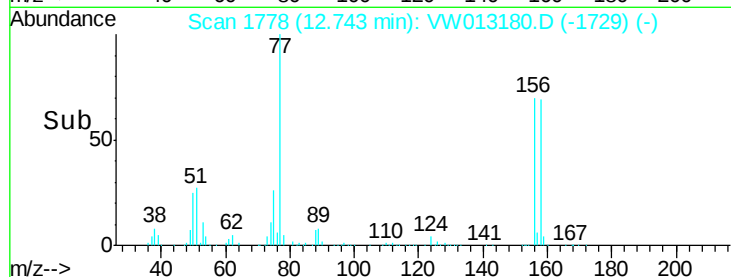
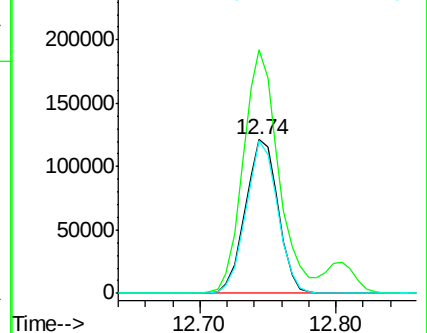
9/24/2019 5:28:45 AM



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: 55.869 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013180.D

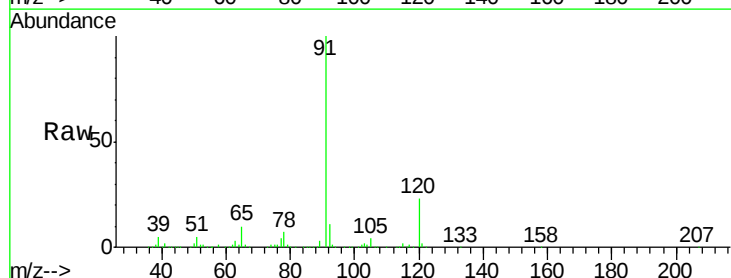
Acq: 20 Sep 2019 14:01

Tgt Ion: 91 Resp: 1001450

Ion Ratio Lower Upper

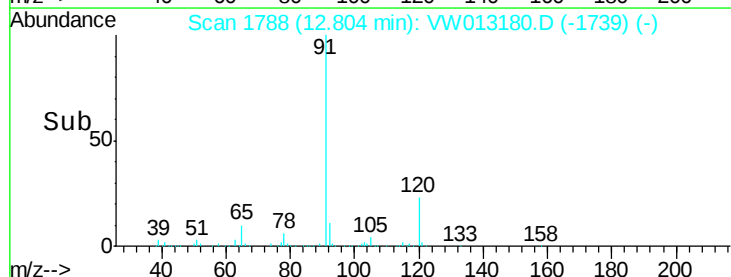
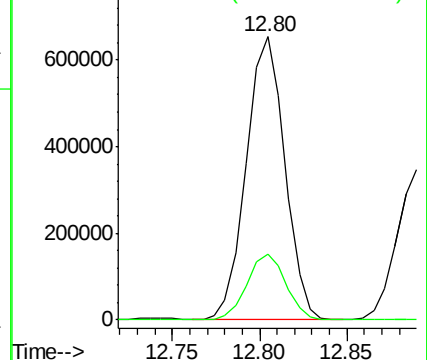
91 100

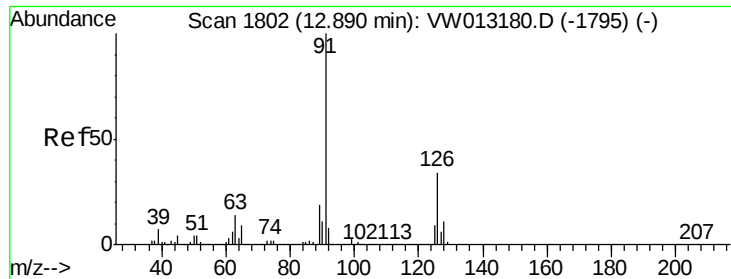
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.289 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 557502

Ion Ratio Lower Upper

91 100

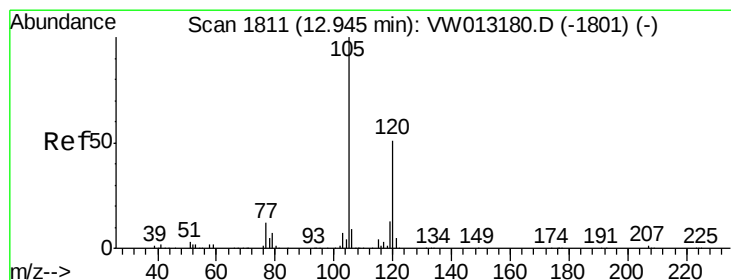
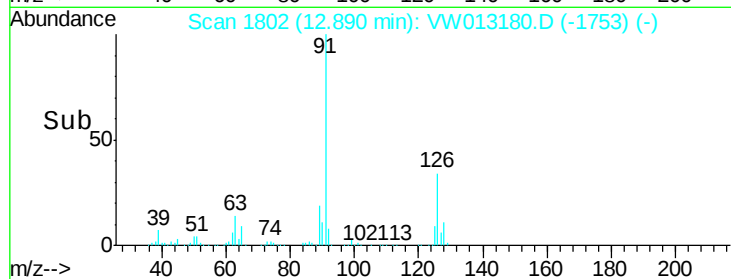
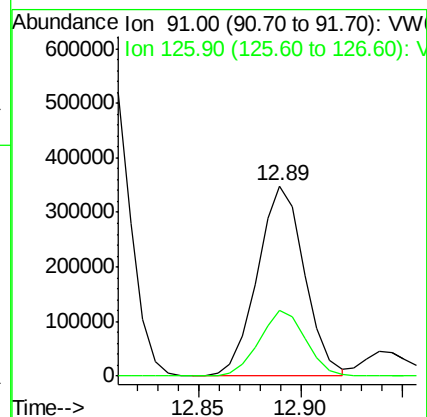
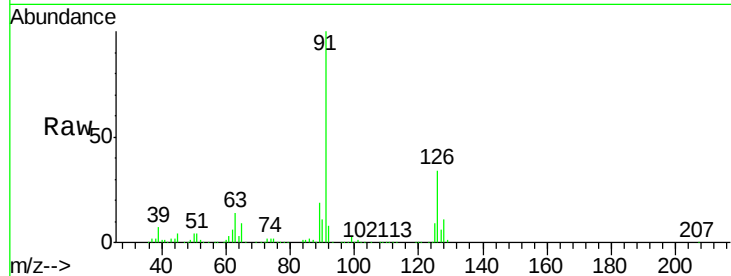
126 34.3 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 55.475 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013180.D

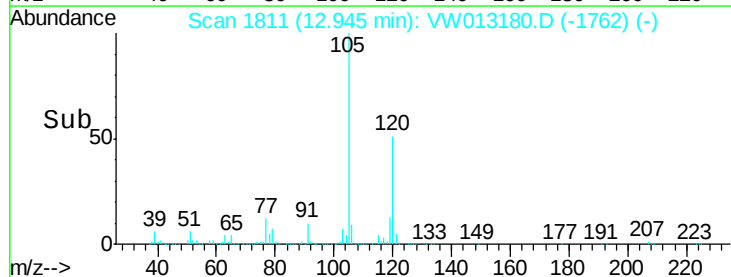
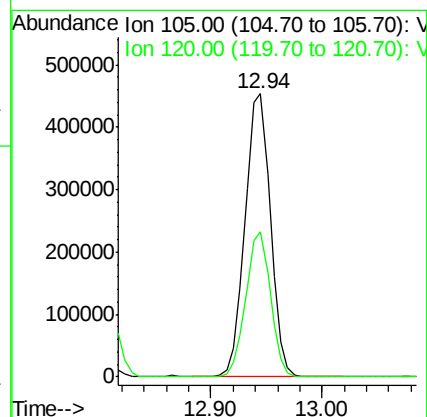
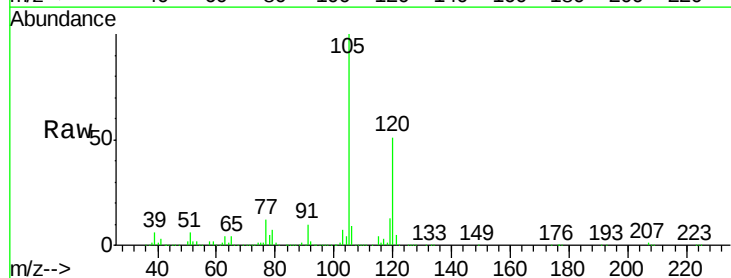
Acq: 20 Sep 2019 14:01

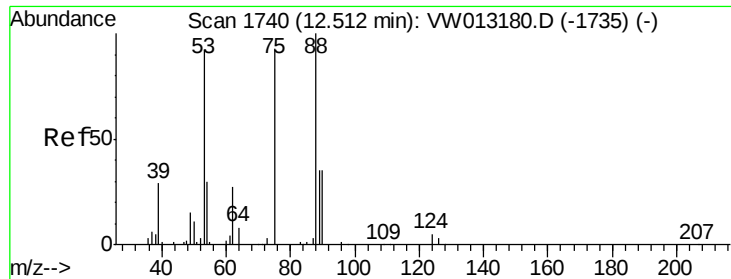
Tgt Ion:105 Resp: 716565

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.8





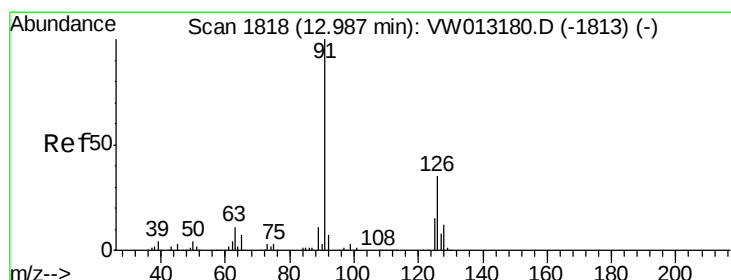
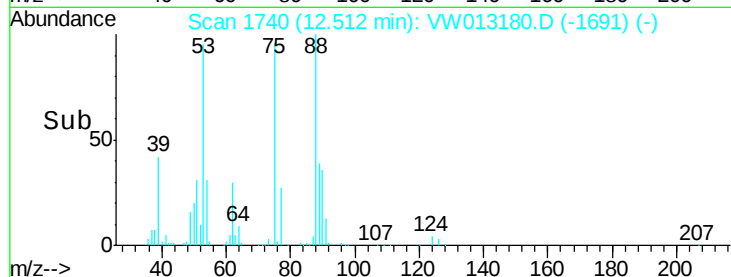
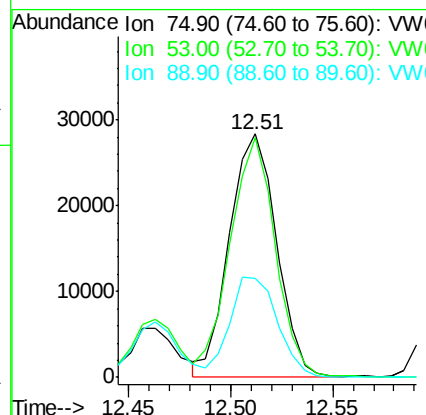
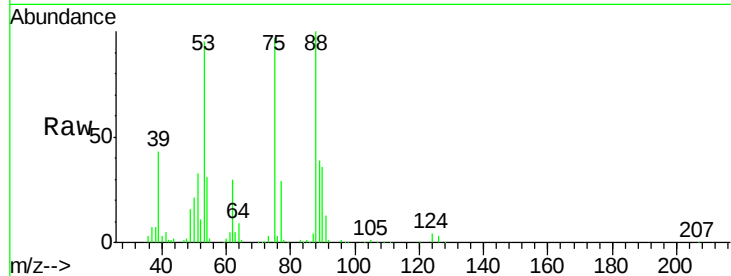
#81
trans-1,4-Dichloro-2-butene
Concen: 51.663 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	76.6	114.8
89	41.9	33.5	50.3

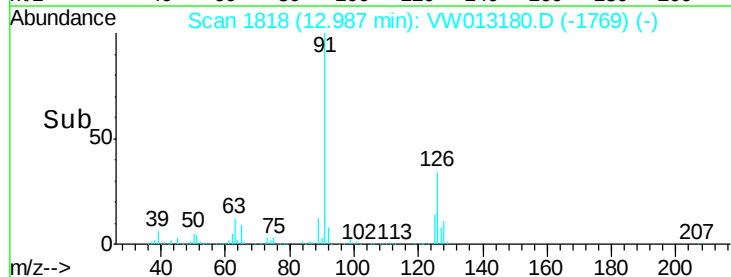
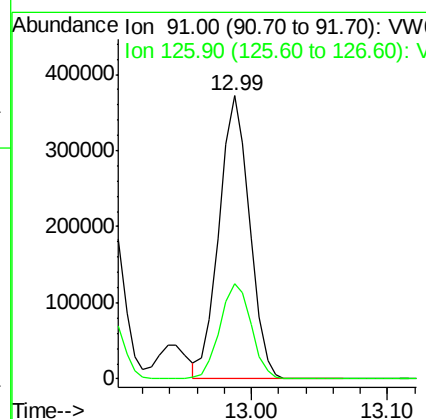
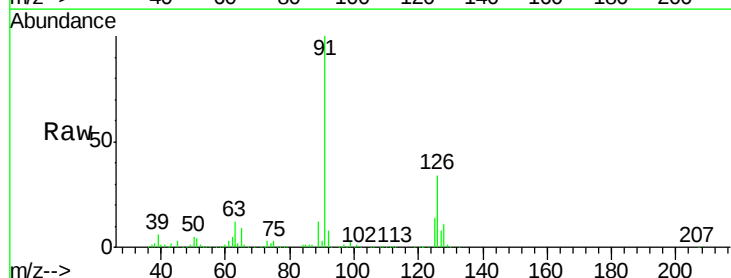
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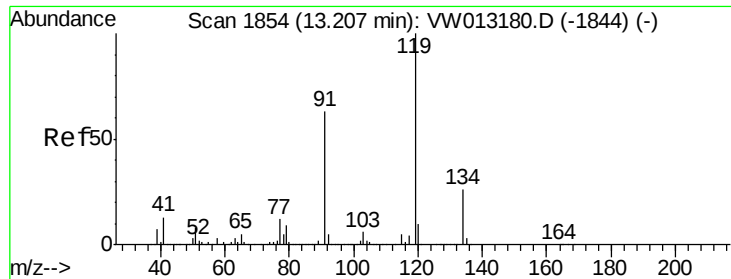
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.567 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





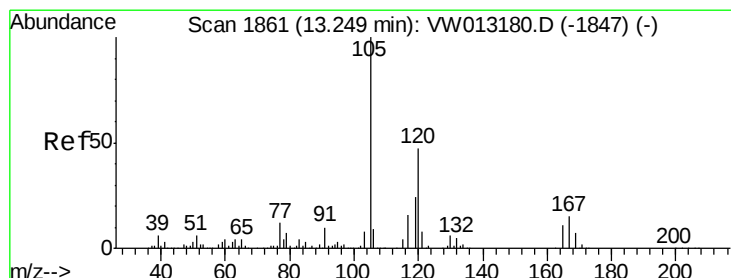
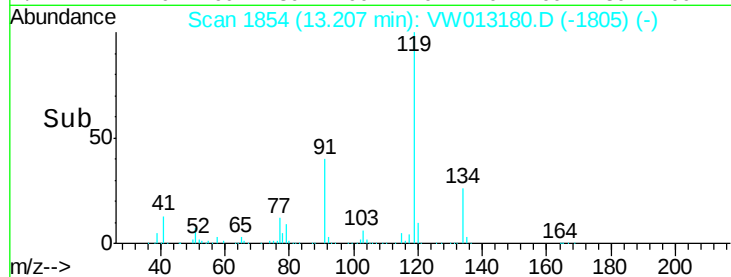
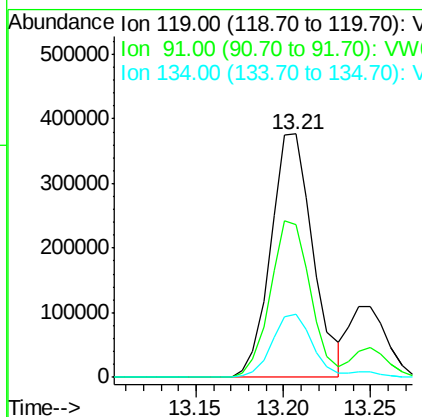
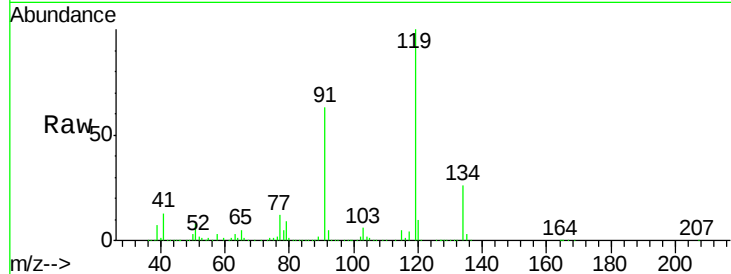
#83
tert-Butylbenzene
Concen: 54.968 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	25.1	12.6	37.6

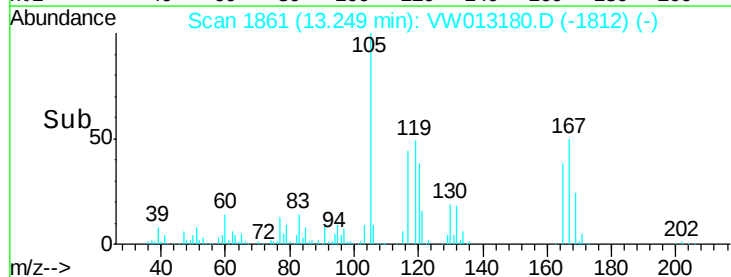
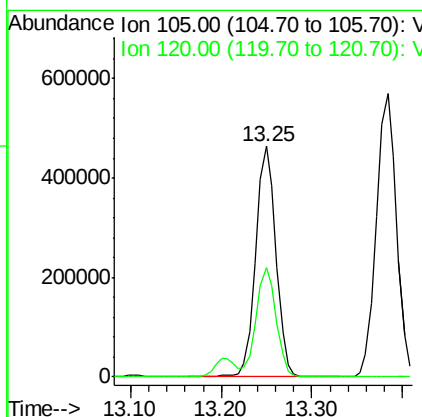
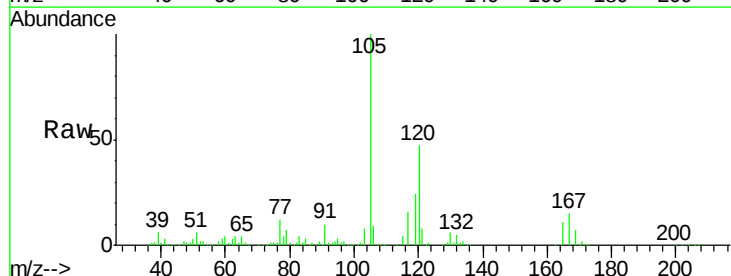
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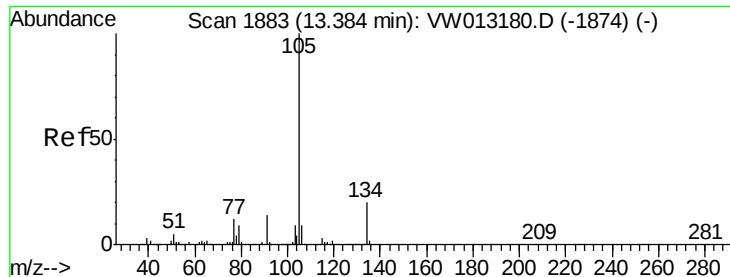
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#84
1,2,4-Trimethylbenzene
Concen: 55.896 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.3





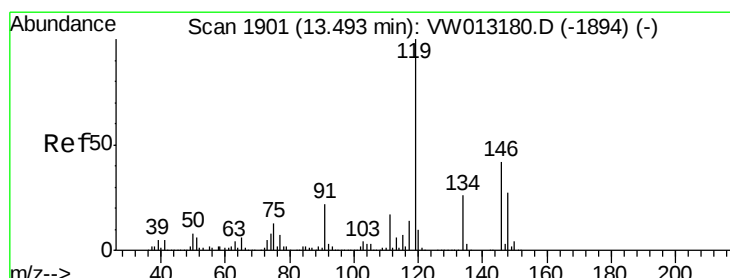
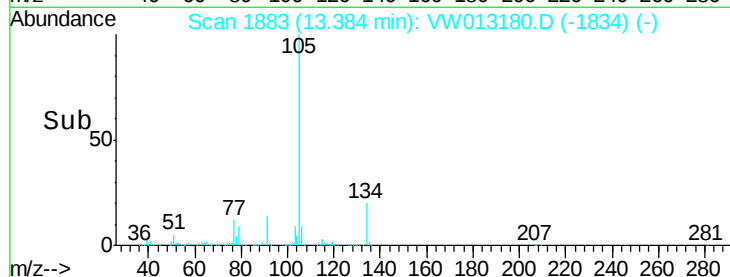
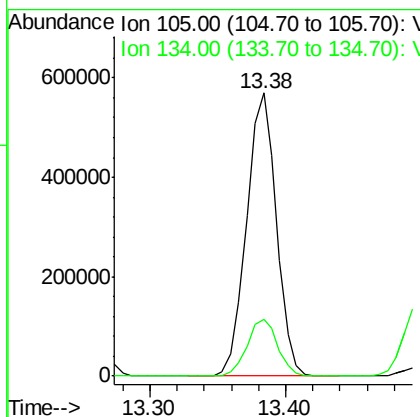
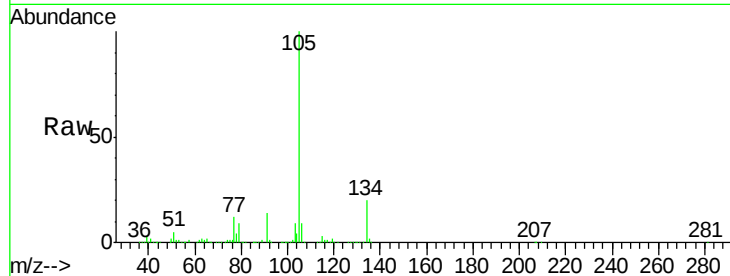
#85
 sec-Butylbenzene
 Concen: 55.689 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.8

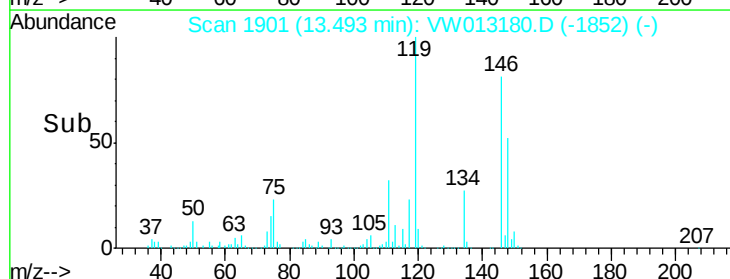
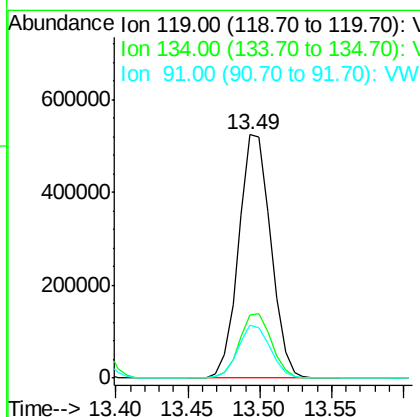
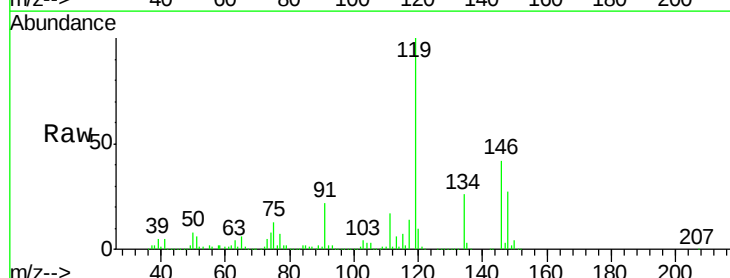
Manual Integrations
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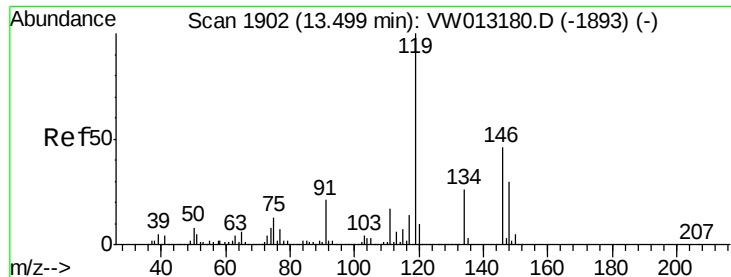
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 9/24/2019 5:28:45 AM



#86
 p-Isopropyltoluene
 Concen: 56.100 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	21.6	10.8	32.4





#87

1,3-Dichlorobenzene

Concen: 55.075 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

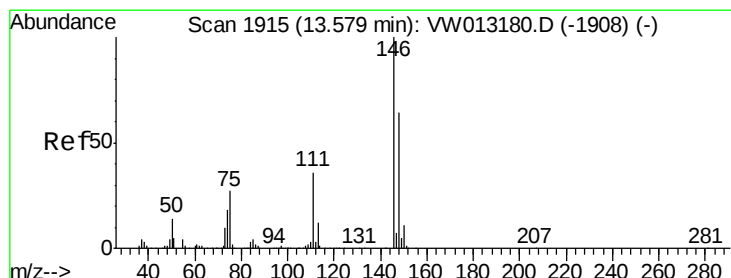
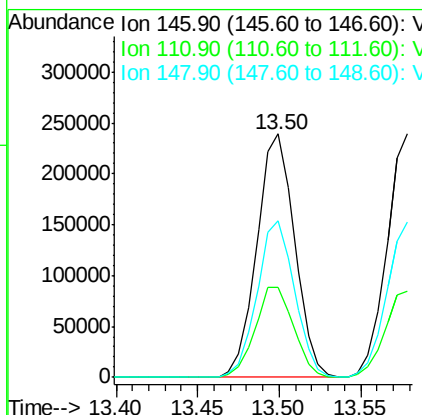
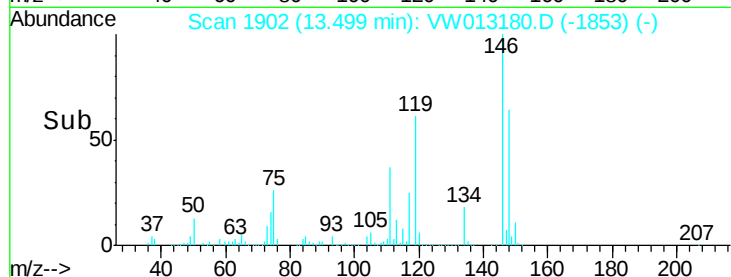
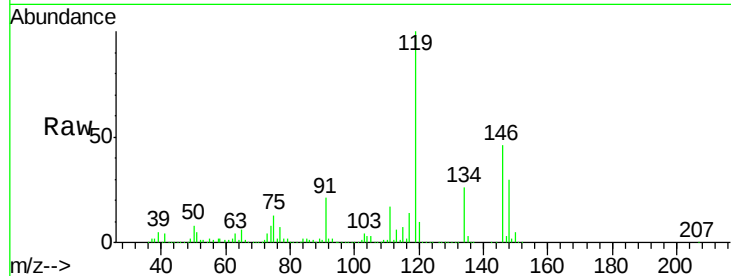
Instrument :
MSVOA_W

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	384158		
111	37.9	18.9	56.9	
148	63.7	31.9	95.5	

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#88

1,4-Dichlorobenzene

Concen: 55.226 ug/l

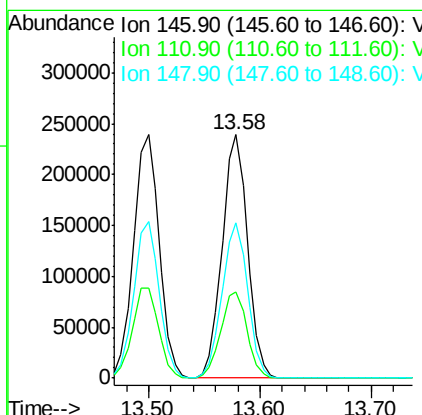
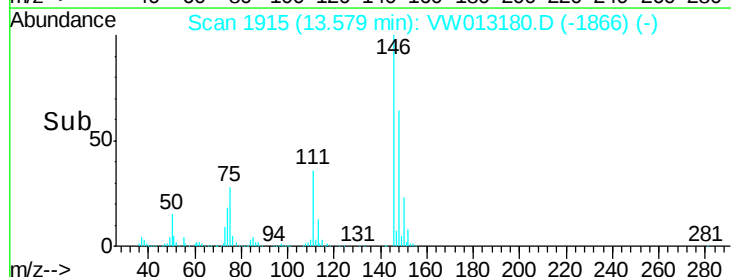
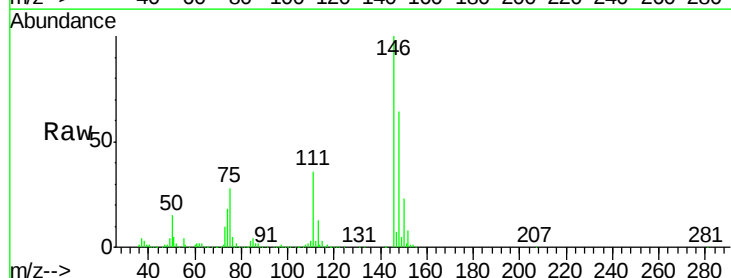
RT: 13.58 min Scan# 1915

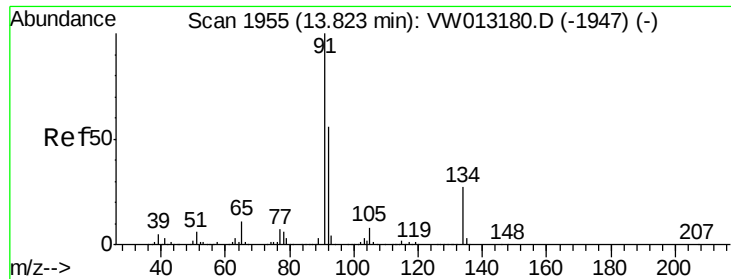
Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	377641		
111	36.7	18.4	55.0	
148	64.2	32.1	96.3	





#89

n-Butylbenzene

Concen: 55.093 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013180.D

Acq: 20 Sep 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 746873

Ion Ratio Lower Upper

91 100

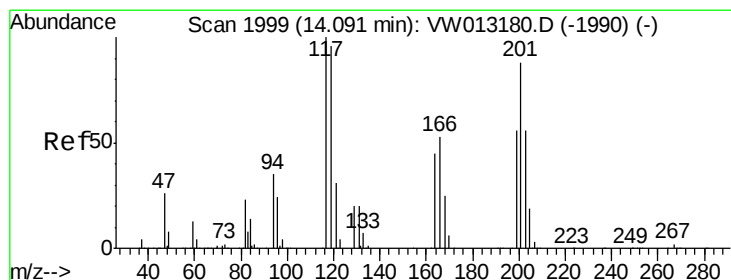
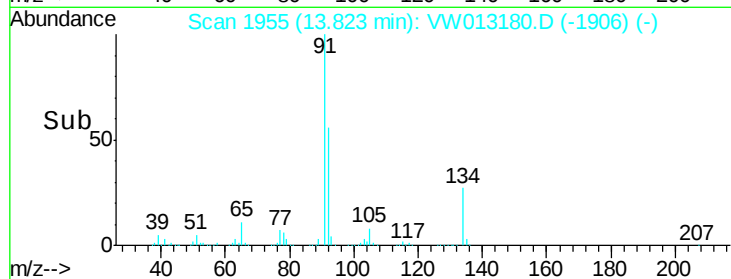
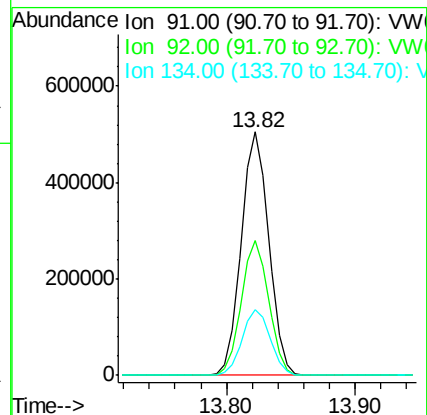
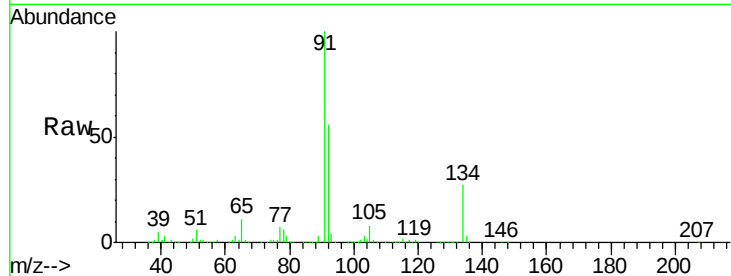
92 55.2 27.6 82.8

134 27.4 13.7 41.1

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#90

Hexachloroethane

Concen: 53.365 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013180.D

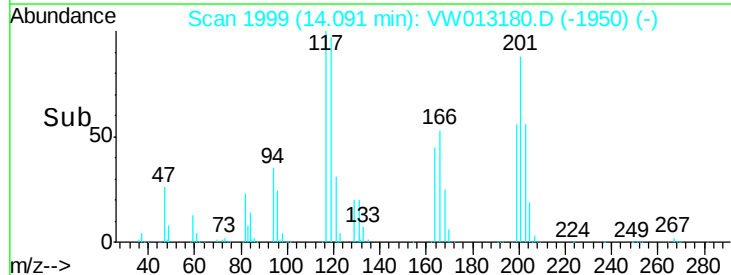
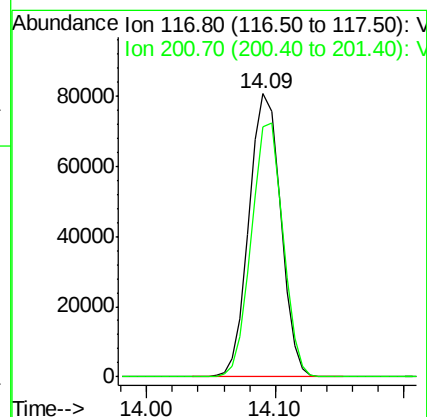
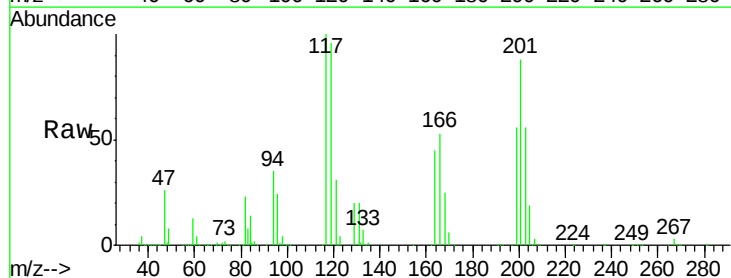
Acq: 20 Sep 2019 14:01

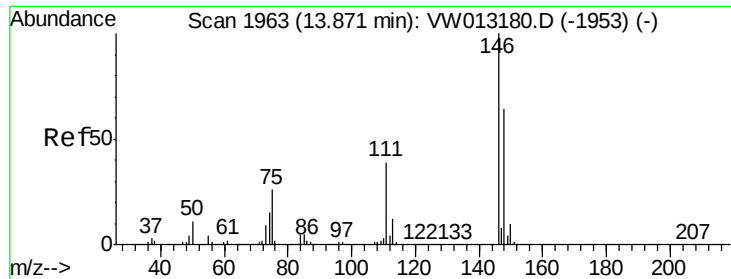
Tgt Ion: 117 Resp: 137112

Ion Ratio Lower Upper

117 100

201 89.0 44.5 133.5





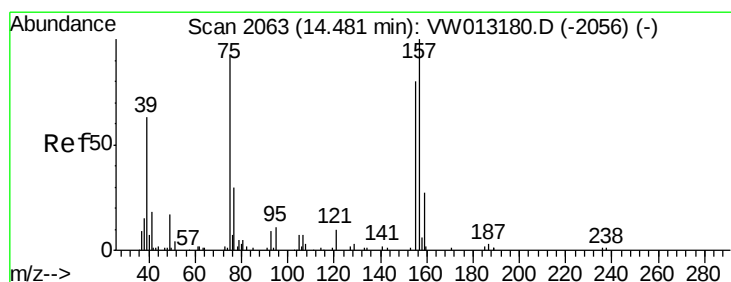
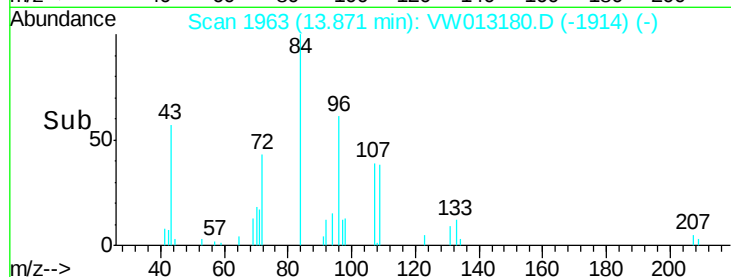
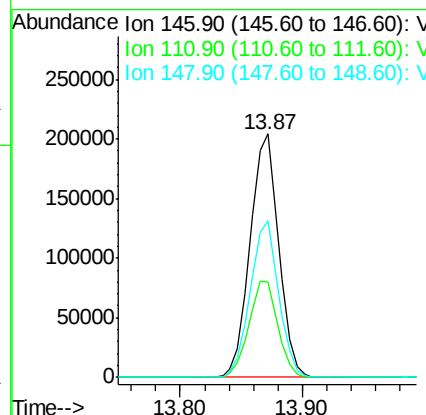
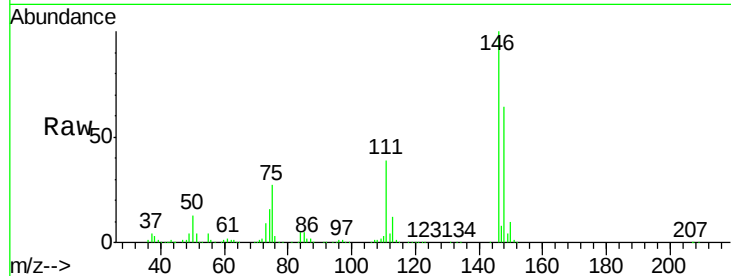
#91
 1,2-Dichlorobenzene
 Concen: 54.408 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	64.0	32.0	96.0

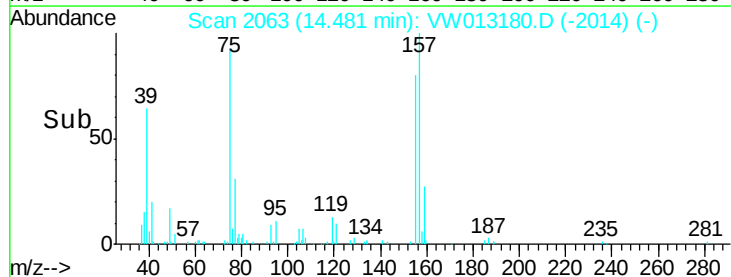
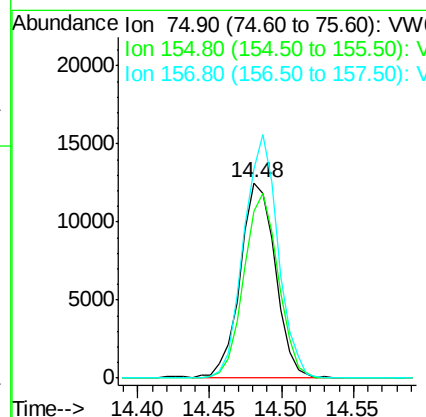
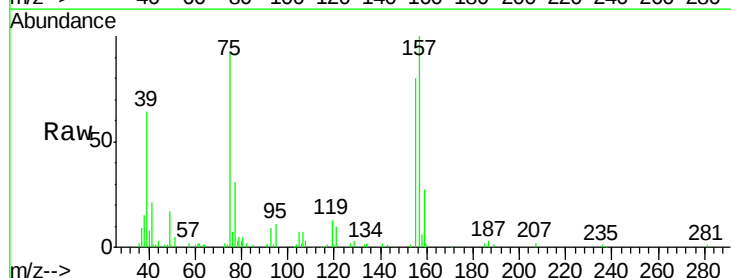
Manual Integrations
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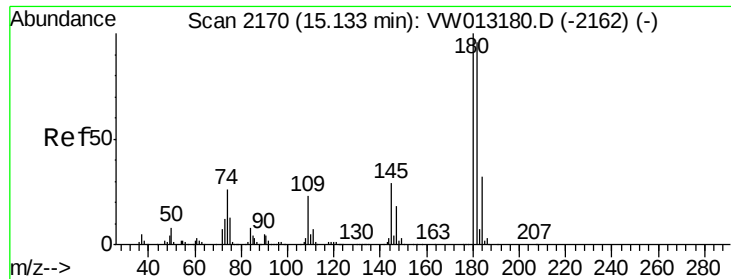
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.684 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	46.1	138.3
157	120.8	60.4	181.2





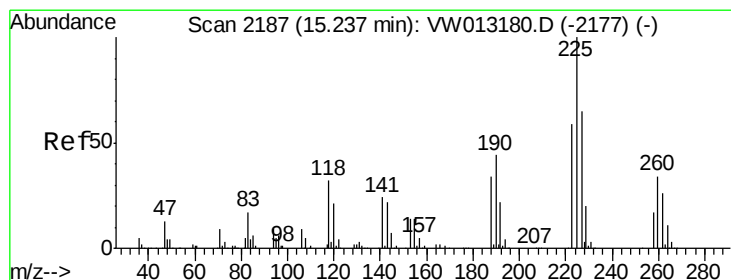
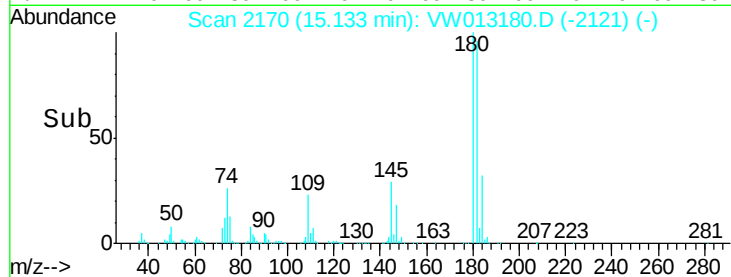
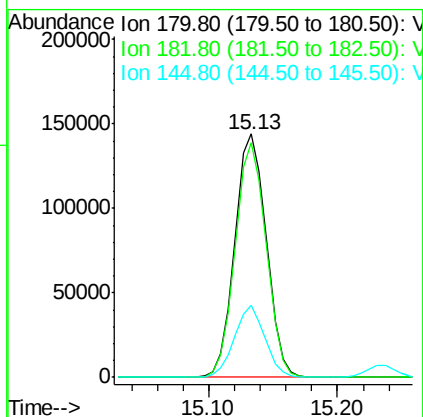
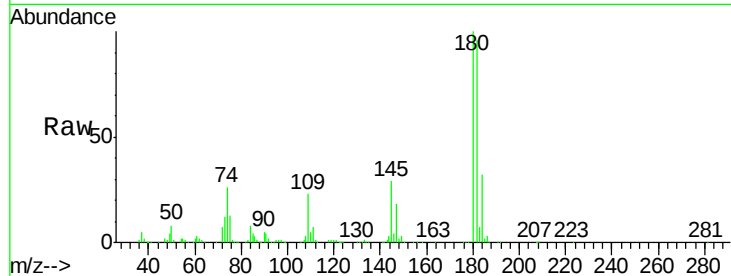
#93
 1,2,4-Trichlorobenzene
 Concen: 55.872 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	244266		
182	94.7	47.3	142.0	
145	28.5	14.2	42.8	

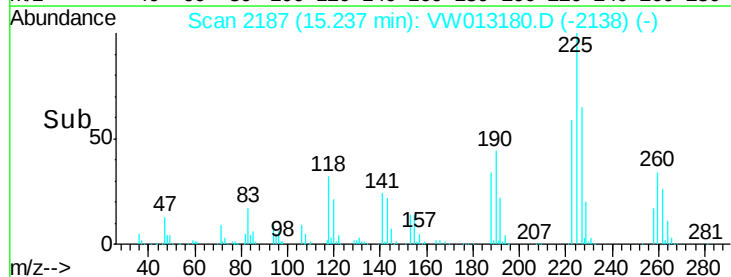
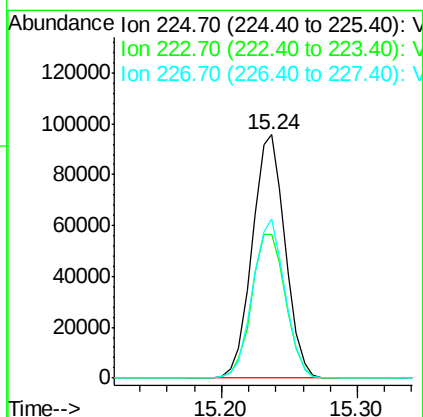
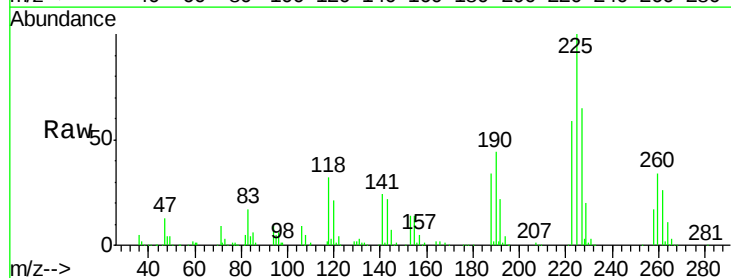
Manual Integrations
 APPROVED

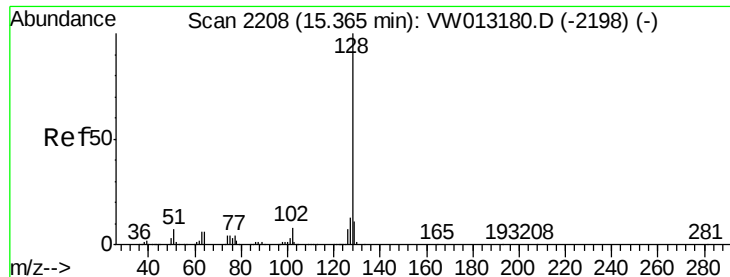
MMDadoda
 9/24/2019 5:28:45 AM



#94
 Hexachlorobutadiene
 Concen: 52.677 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013180.D
 Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162213		
223	61.2	30.6	91.8	
227	63.9	31.9	95.9	





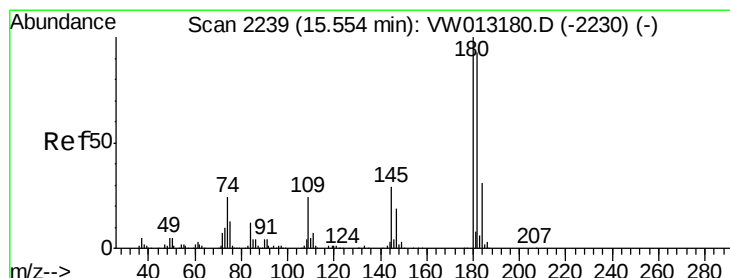
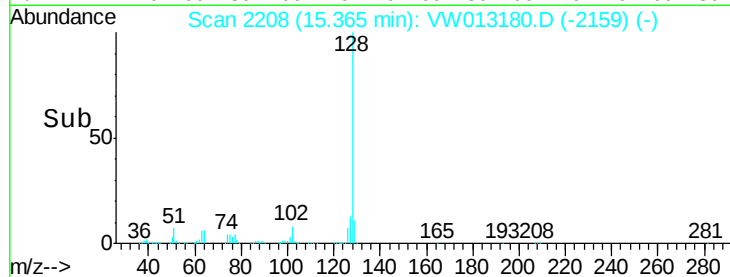
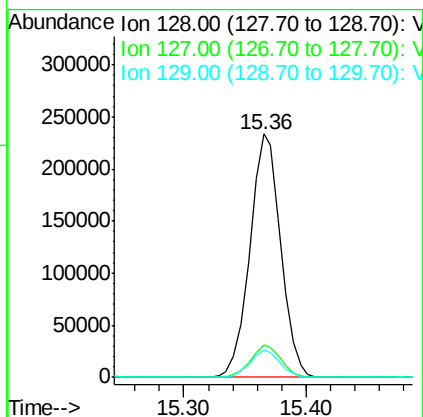
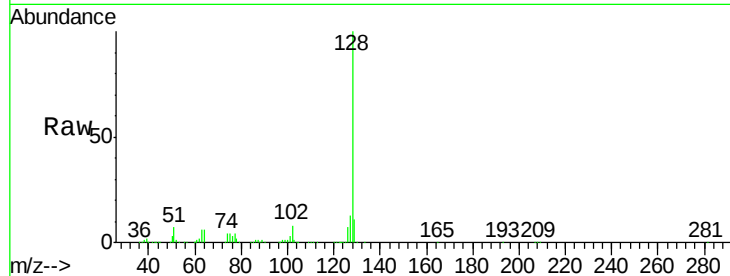
#95
Naphthalene
Concen: 56.423 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	408945		
127	13.2		10.6	15.8
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.482 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013180.D
Acq: 20 Sep 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	209860		
182	95.8		47.9	143.7
145	30.0		15.0	45.0

