

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013245.D
 Acq On : 23 Sep 2019 22:07
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:44 AM

Quant Time: Sep 24 08:07:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	328291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	491762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	432701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	221660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	151072	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	
35) Dibromofluoromethane	7.88	113	147797	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	10.32	98	603994	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.62	95	212235	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	87949	46.443	ug/l	99
3) Chloromethane	2.21	50	107715	44.249	ug/l	98
4) Vinyl Chloride	2.36	62	144702	46.108	ug/l	99
5) Bromomethane	2.77	94	99024	49.791	ug/l	92
6) Chloroethane	2.91	64	87465	47.282	ug/l	96
7) Trichlorofluoromethane	3.25	101	72451	40.036	ug/l	96
8) Diethyl Ether	3.68	74	81268	52.577	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	141344	47.975	ug/l	100
10) Methyl Iodide	4.26	142	230057	50.365	ug/l	99
11) Tert butyl alcohol	5.18	59	53064	276.180	ug/l	100
12) 1,1-Dichloroethene	4.04	96	149138	48.884	ug/l	96
13) Acrolein	3.89	56	38060	246.764	ug/l	99
14) Allyl chloride	4.66	41	234025	48.198	ug/l	99
15) Acrylonitrile	5.36	53	185533	278.094	ug/l	98
16) Acetone	4.12	43	145745	241.212	ug/l	92
17) Carbon Disulfide	4.38	76	429886	48.750	ug/l	97
18) Methyl Acetate	4.67	43	96473	56.800	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	253503	54.216	ug/l	97
20) Methylene Chloride	4.92	84	171255	55.754	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	162905	49.404	ug/l	96
22) Diisopropyl ether	6.31	45	486712	52.714	ug/l	98
23) Vinyl Acetate	6.25	43	1472638	268.850	ug/l	98
24) 1,1-Dichloroethane	6.21	63	286778	51.472	ug/l	99
25) 2-Butanone	7.17	43	238816	263.293	ug/l	97
26) 2,2-Dichloropropane	7.17	77	151301	45.057	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	181620	52.192	ug/l	96
28) Bromochloromethane	7.51	49	120250	56.235	ug/l #	98
29) Tetrahydrofuran	7.52	42	161151	289.708	ug/l	99
30) Chloroform	7.67	83	276308	50.655	ug/l	96
31) Cyclohexane	7.95	56	268144	46.170	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	214948	48.654	ug/l	99
36) 1,1-Dichloropropene	8.08	75	224690	47.174	ug/l	99
37) Ethyl Acetate	7.25	43	108836	53.764	ug/l	98
38) Carbon Tetrachloride	8.07	117	204213	47.828	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	284705	46.512	ug/l	97
40) Benzene	8.32	78	654082	49.232	ug/l	100
41) Methacrylonitrile	7.48	41	67955	56.246	ug/l	98
42) 1,2-Dichloroethane	8.40	62	179975	50.393	ug/l	99
43) Isopropyl Acetate	8.42	43	206672	53.269	ug/l	98
44) Trichloroethene	9.09	130	182184	48.875	ug/l	95
45) 1,2-Dichloropropane	9.37	63	163808	50.502	ug/l	100
46) Dibromomethane	9.46	93	81003	51.439	ug/l	98
47) Bromodichloromethane	9.64	83	204691	51.083	ug/l	98
48) Methyl methacrylate	9.43	41	104350	57.198	ug/l	96
49) 1,4-Dioxane	9.45	88	25723	1088.206	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	530669	272.836	ug/l	98
52) Toluene	10.38	92	424230	49.824	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	213294	51.811	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	255495	51.043	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	123457	52.451	ug/l	97
56) Ethyl methacrylate	10.65	69	173113	56.198	ug/l	98
57) 1,3-Dichloropropane	10.93	76	213264	51.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	422310	296.138	ug/l	99
59) 2-Hexanone	10.96	43	365971	273.488	ug/l	100
60) Dibromochloromethane	11.13	129	144318	53.998	ug/l	99
61) 1,2-Dibromoethane	11.23	107	118682	53.032	ug/l	100
64) Tetrachloroethene	10.86	164	165325	50.357	ug/l	96
65) Chlorobenzene	11.66	112	443709	49.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	158822	51.451	ug/l	99
67) Ethyl Benzene	11.73	91	799570	48.839	ug/l	97
68) m/p-Xylenes	11.84	106	615765	98.702	ug/l	99
69) o-Xylene	12.16	106	286817	49.450	ug/l	99
70) Styrene	12.18	104	508554	51.071	ug/l	100
71) Bromoform	12.35	173	89164	54.675	ug/l #	100
73) Isopropylbenzene	12.46	105	787165	48.073	ug/l	100
74) N-amyl acetate	12.27	43	194051	53.407	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	142418	52.007	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	89159m	45.546	ug/l	
77) Bromobenzene	12.74	156	194855	50.217	ug/l	98
78) n-propylbenzene	12.80	91	921978	48.103	ug/l	100
79) 2-Chlorotoluene	12.89	91	525578	48.947	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	664424	48.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46126	52.874	ug/l	97
82) 4-Chlorotoluene	12.99	91	550850	48.647	ug/l	100
83) tert-Butylbenzene	13.21	119	585417	48.458	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	674682	49.259	ug/l	100
85) sec-Butylbenzene	13.38	105	796055	47.794	ug/l	99
86) p-Isopropyltoluene	13.49	119	745752	48.273	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	368220	49.308	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	368014	50.248	ug/l	99
89) n-Butylbenzene	13.82	91	675969	47.920	ug/l	100
90) Hexachloroethane	14.09	117	128912	49.673	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	328329	50.820	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22999	54.908	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	243594	52.618	ug/l	100
94) Hexachlorobutadiene	15.24	225	151209	47.742	ug/l	99
95) Naphthalene	15.36	128	443620	58.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	217923	54.478	ug/l	99

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

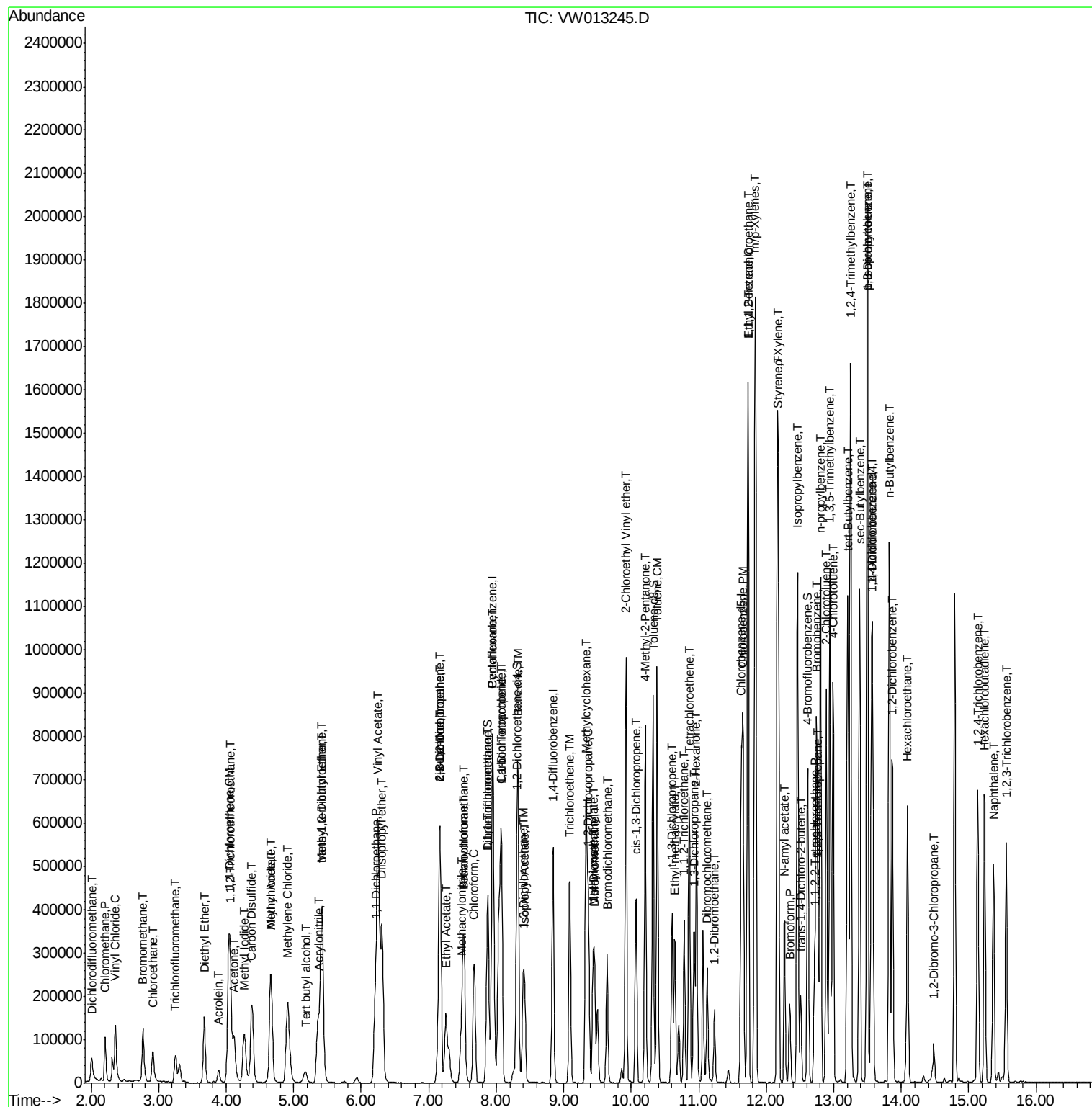
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
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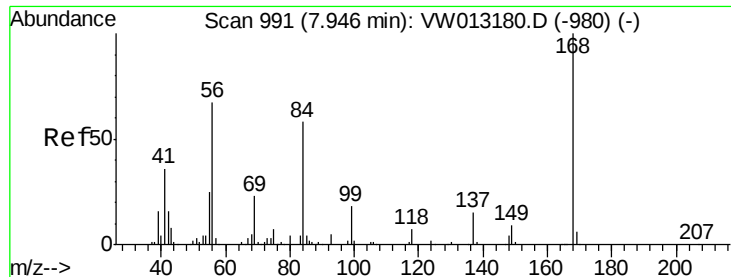
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 328291

Ion Ratio Lower Upper

168 100

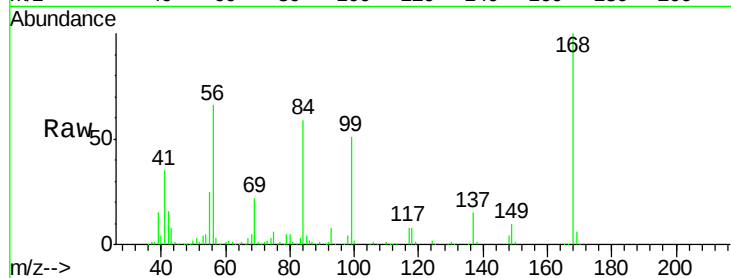
99 50.7 40.2 60.4

Manual Integrations

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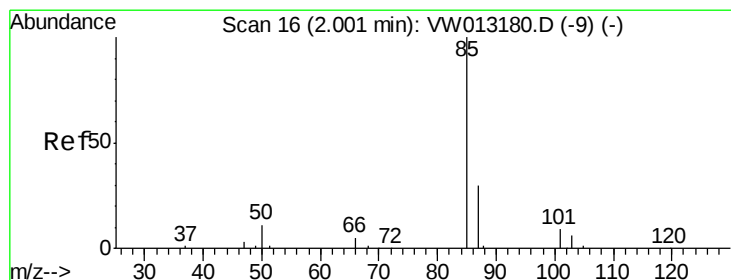
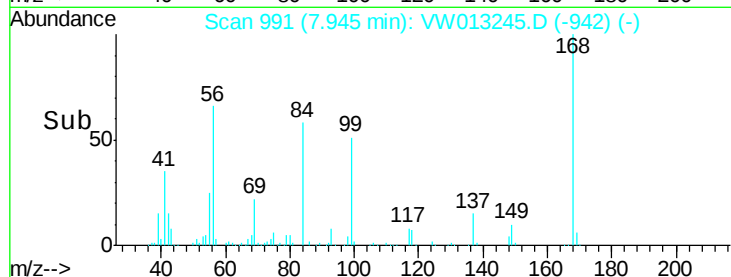
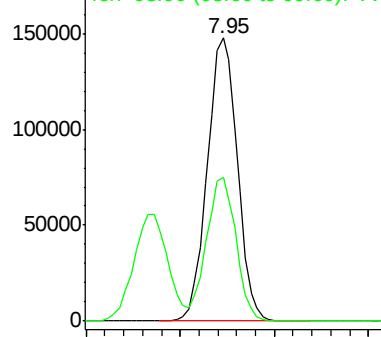
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.443 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013245.D

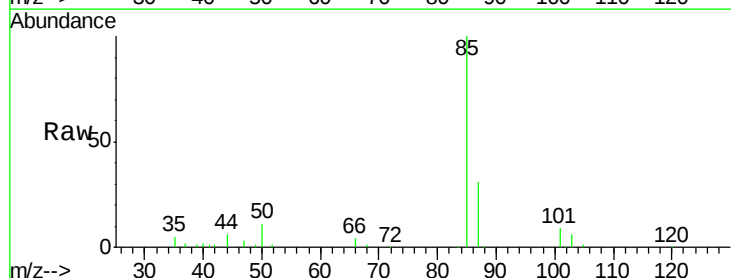
Acq: 23 Sep 2019 22:07

Tgt Ion: 85 Resp: 87949

Ion Ratio Lower Upper

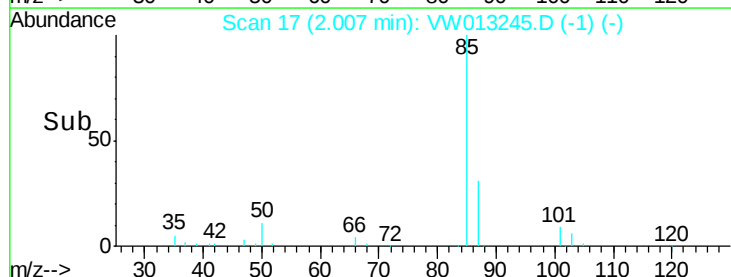
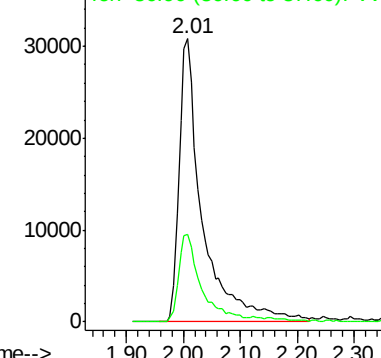
85 100

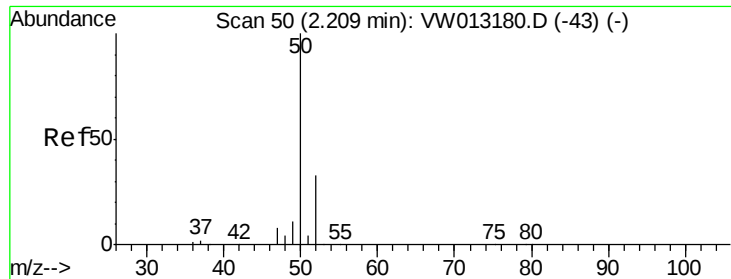
87 30.8 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.249 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107715

Ion Ratio Lower Upper

50 100

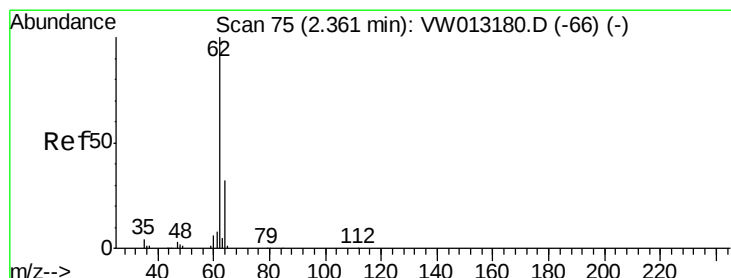
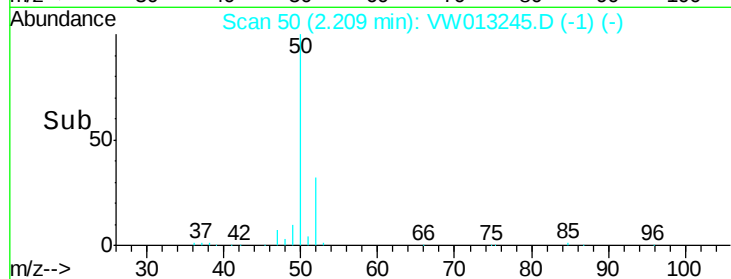
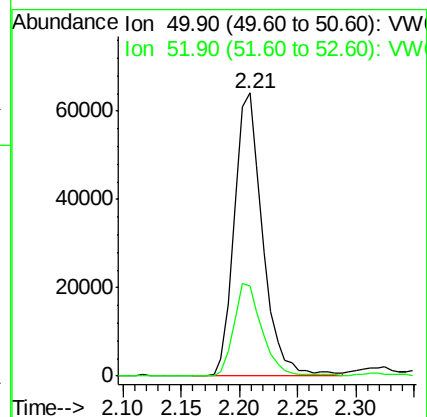
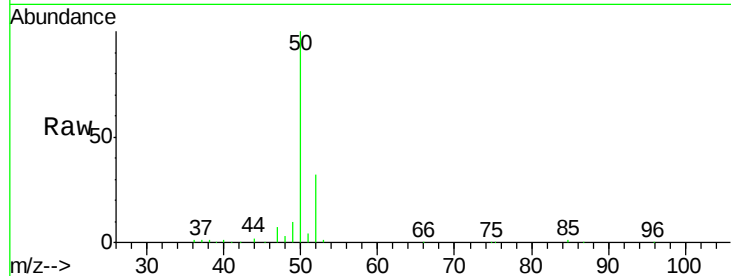
52 31.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.108 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013245.D

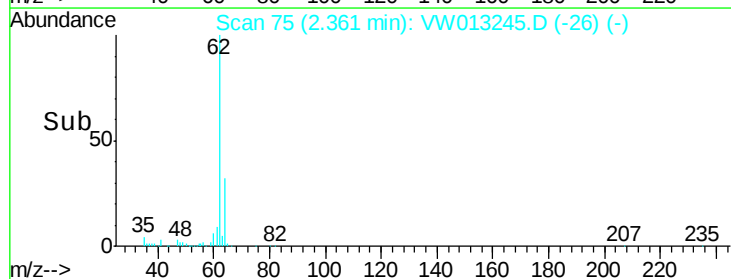
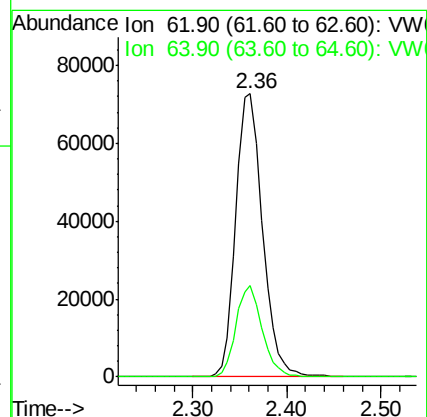
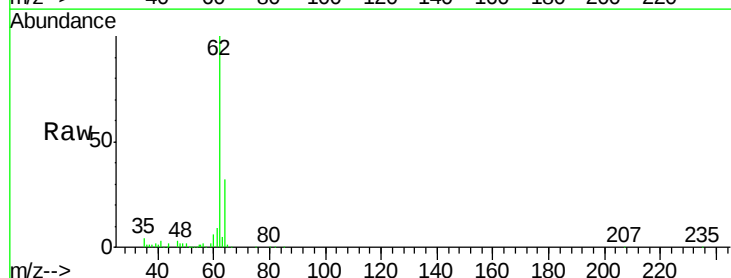
Acq: 23 Sep 2019 22:07

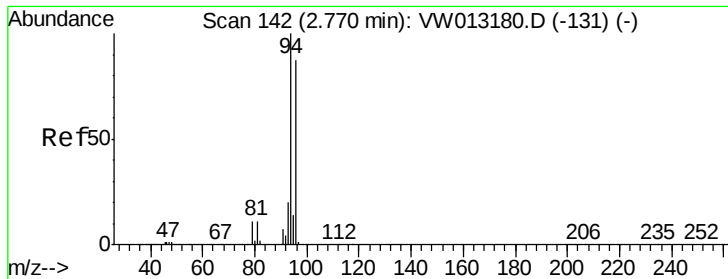
Tgt Ion: 62 Resp: 144702

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9





#5

Bromomethane

Concen: 49.791 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

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Tot Ion: 94 Resp: 99024

Ion Ratio Lower Upper

94 100

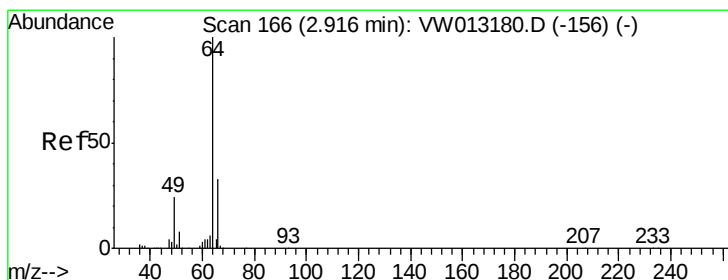
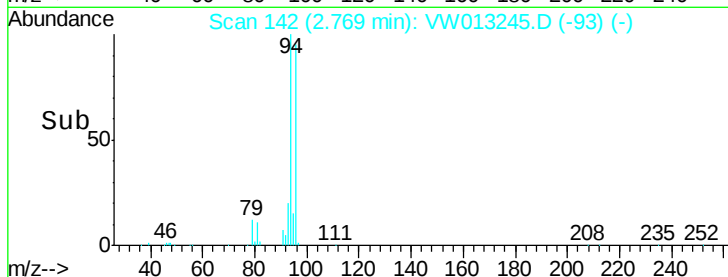
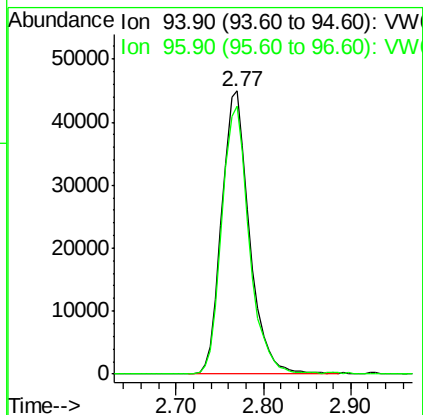
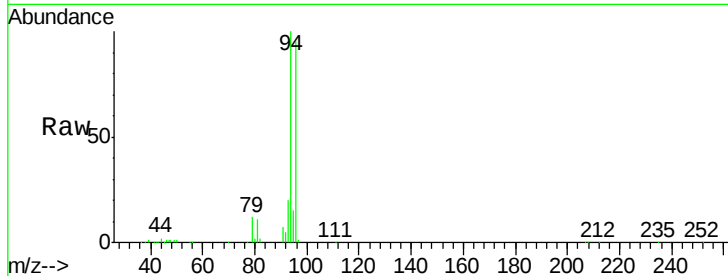
96 94.6 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 47.282 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013245.D

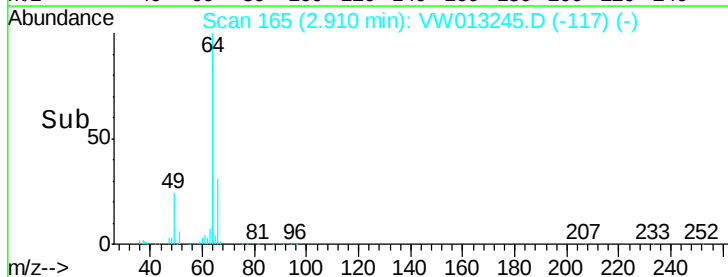
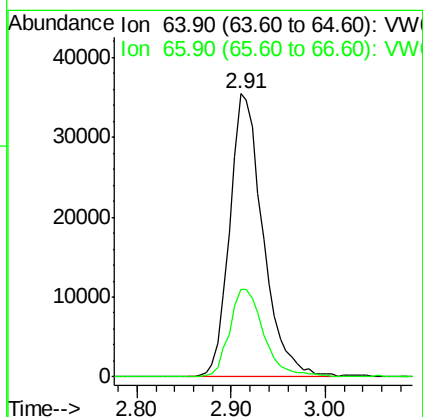
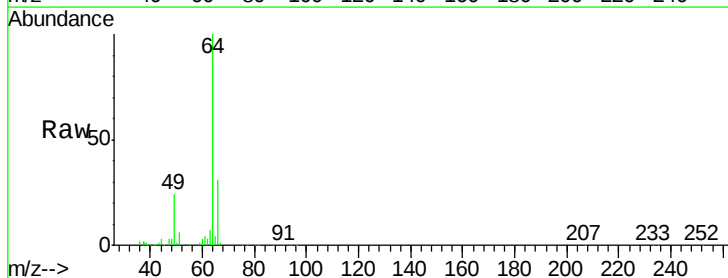
Acq: 23 Sep 2019 22:07

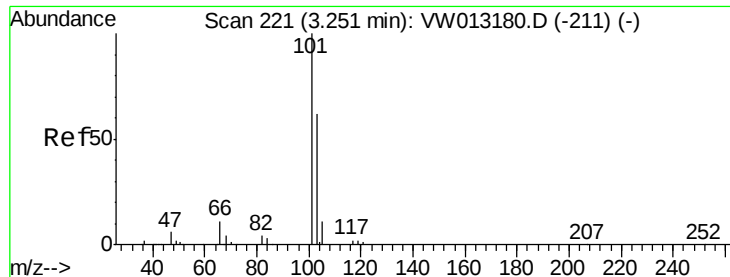
Tgt Ion: 64 Resp: 87465

Ion Ratio Lower Upper

64 100

66 31.0 26.6 39.8





#7

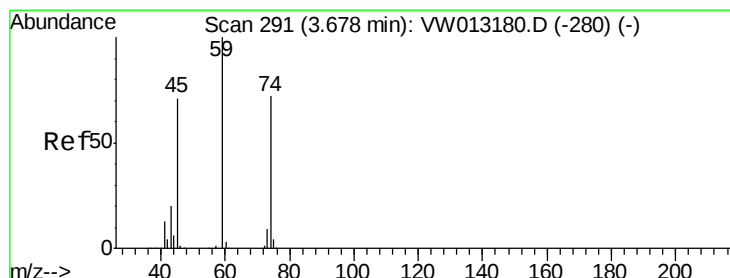
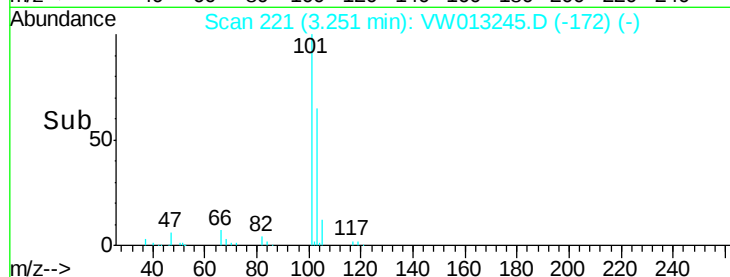
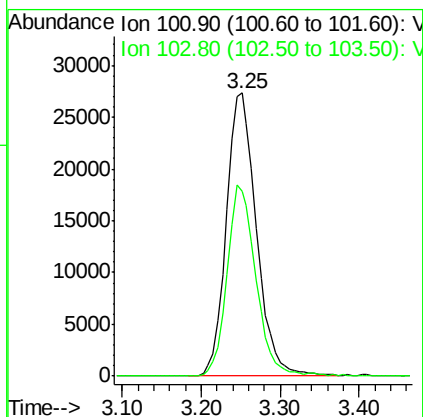
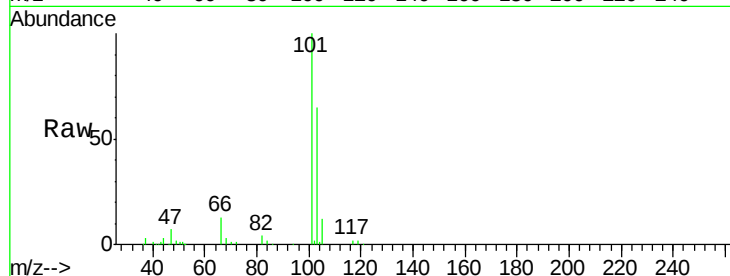
Trichlorofluoromethane
 Concen: 40.036 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	49.7	74.5

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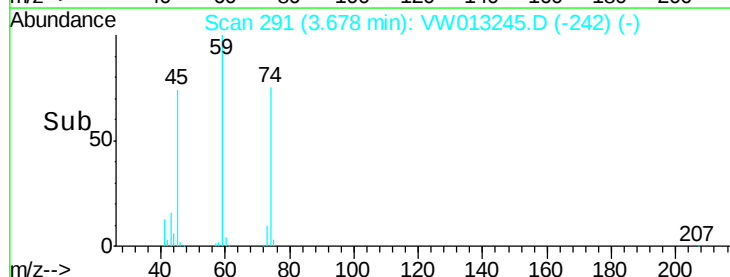
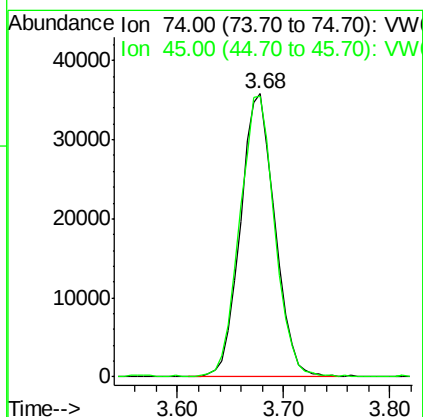
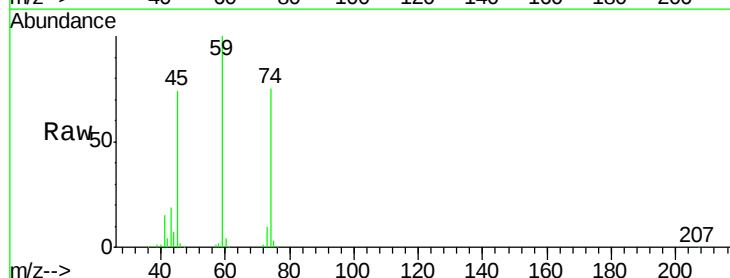
MMDadoda
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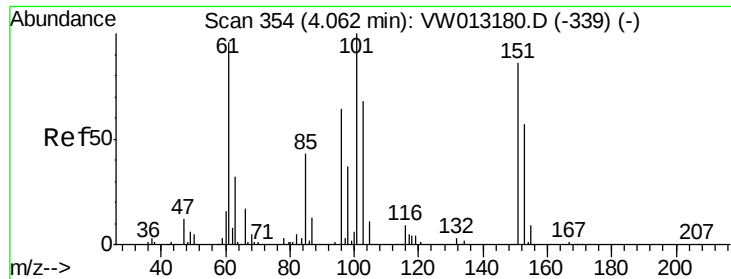


#8

Diethyl Ether
 Concen: 52.577 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.975 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

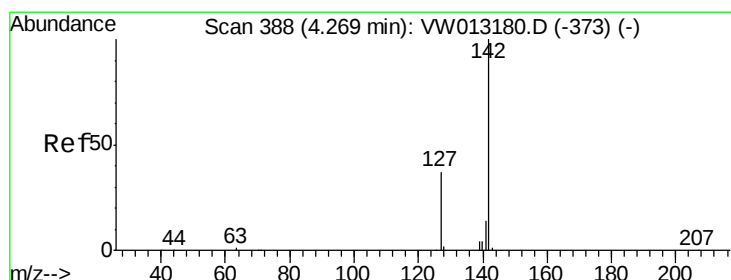
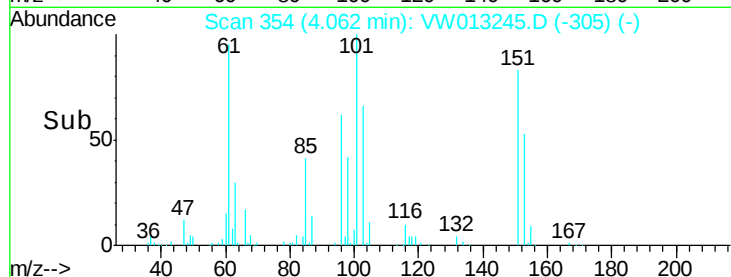
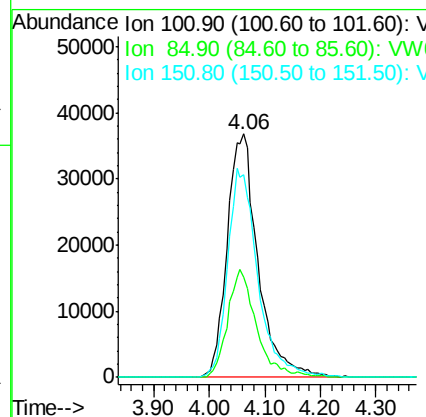
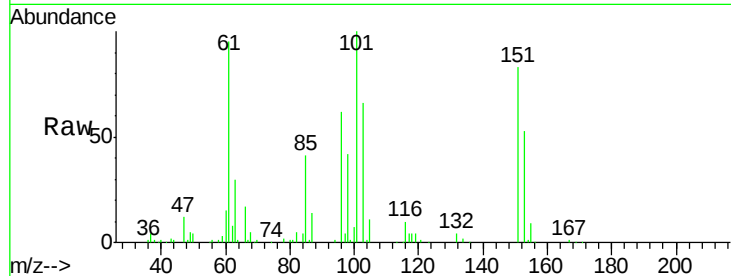
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	141344
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.0
151	83.9	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.365 ug/l

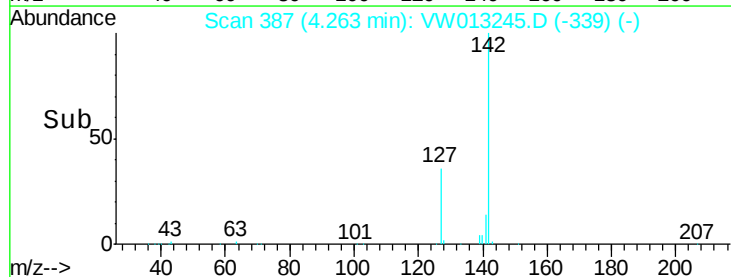
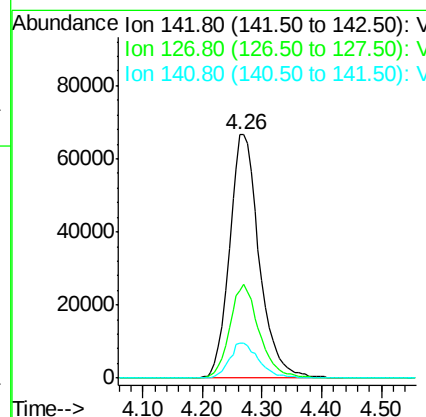
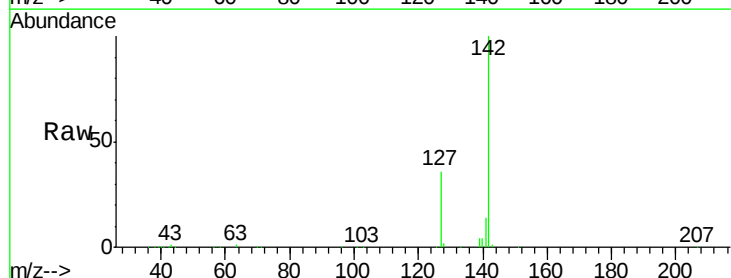
RT: 4.26 min Scan# 387

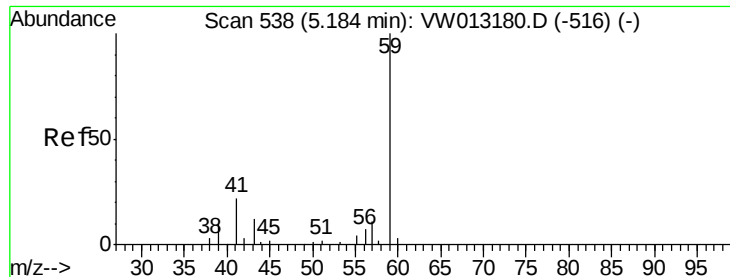
Delta R.T. -0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion:	142	Resp:	230057
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.9	46.3
141	14.5	11.7	17.5





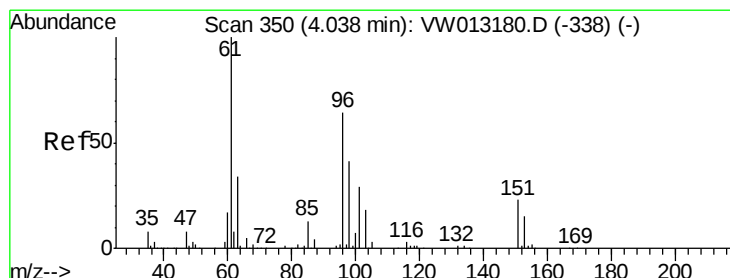
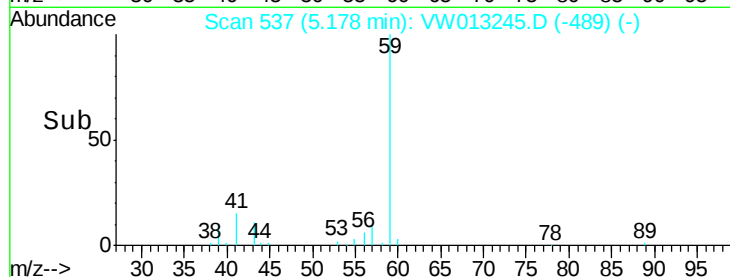
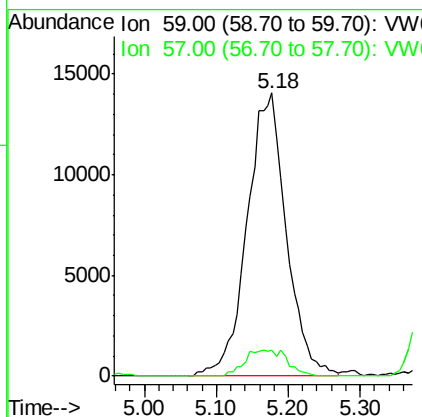
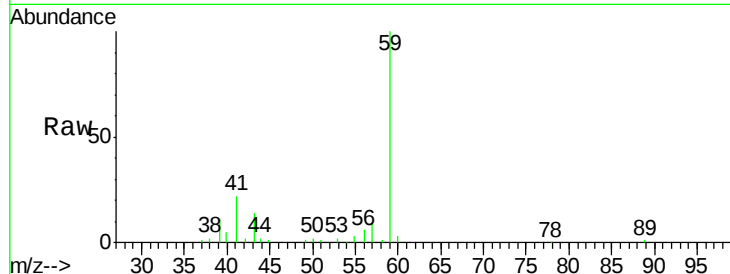
#11
Tert butyl alcohol
Concen: 276.180 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.01 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

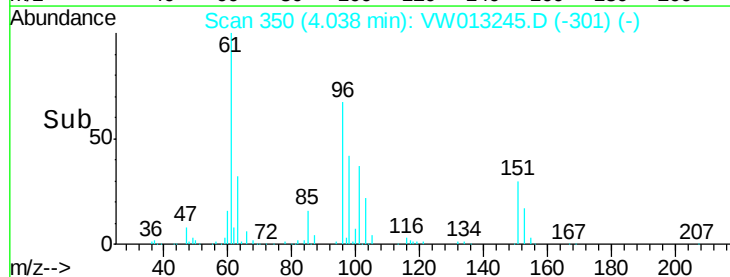
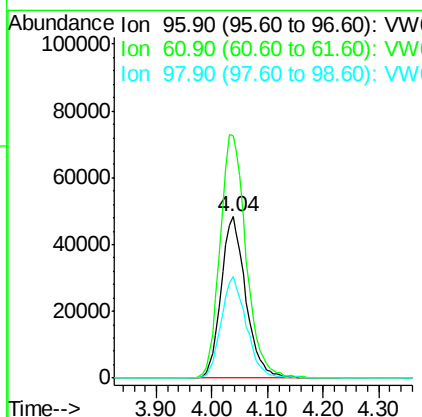
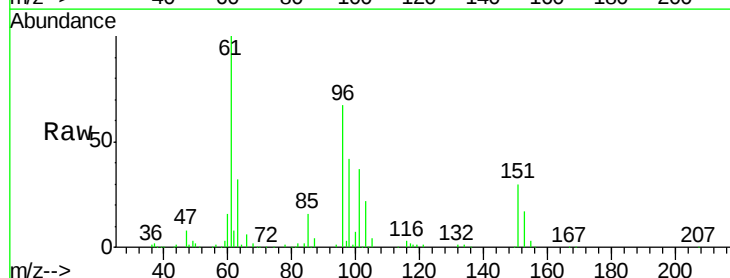
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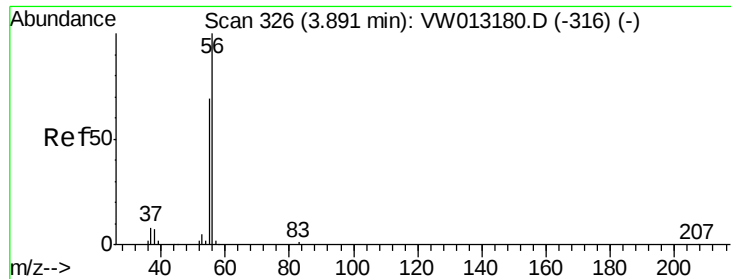
MMDadoda
9/25/2019 12:35:44 AM



#12
1,1-Dichloroethene
Concen: 48.884 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.7	125.1	187.7
98	62.6	50.8	76.2





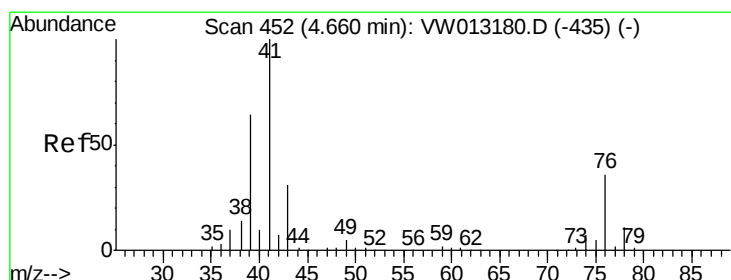
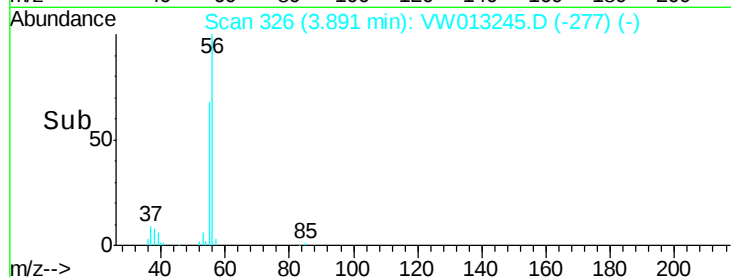
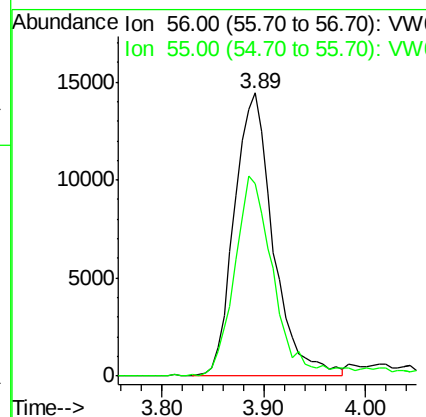
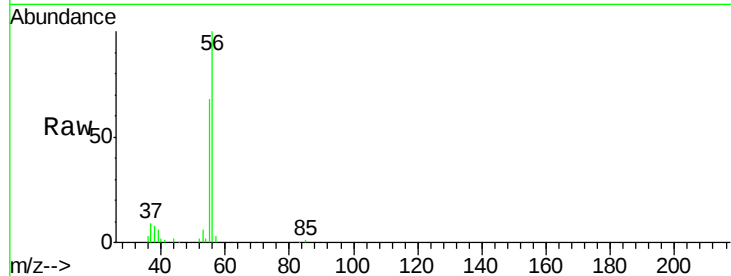
#13
Acrolein
Concen: 246.764 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	38060
Ion Ratio	100	Lower	Upper
55	68.4	55.4	83.0

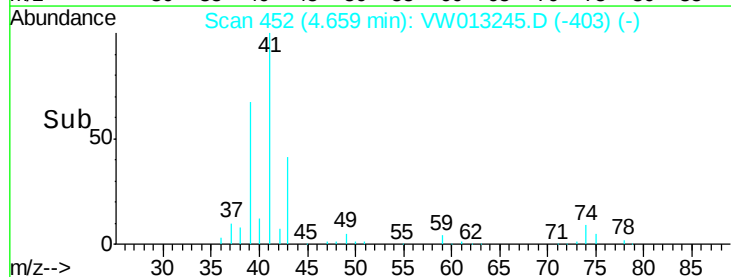
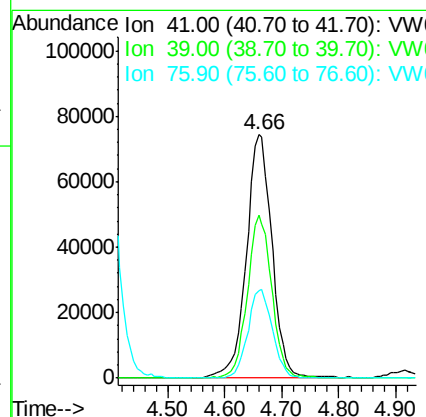
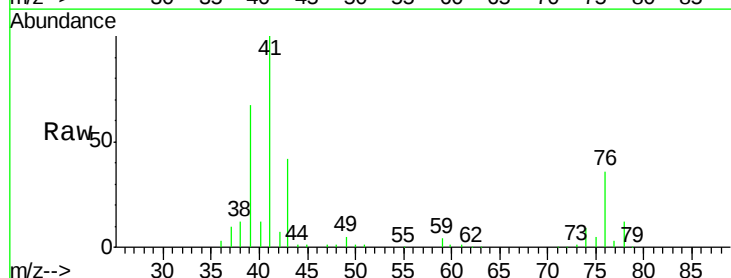
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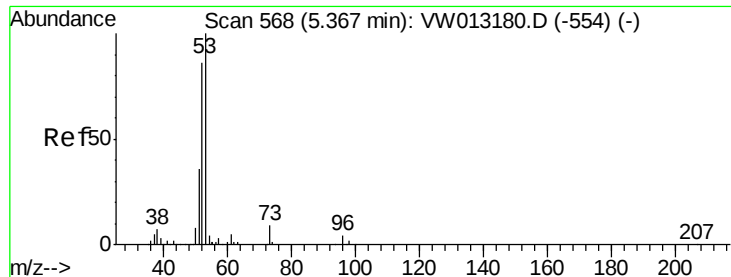
MMDadoda
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#14
Allyl chloride
Concen: 48.198 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	41	Resp	234025
Ion Ratio	100	Lower	Upper
39	63.4	51.0	76.4
76	34.7	28.4	42.6





#15

Acrylonitrile

Concen: 278.094 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

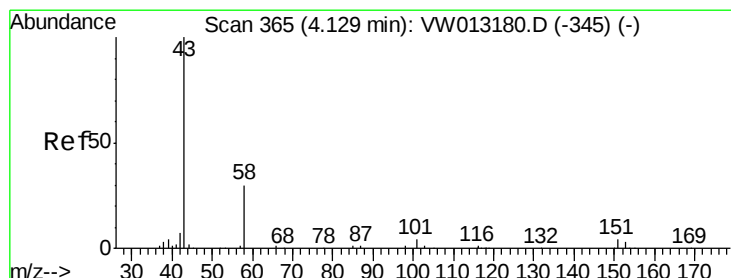
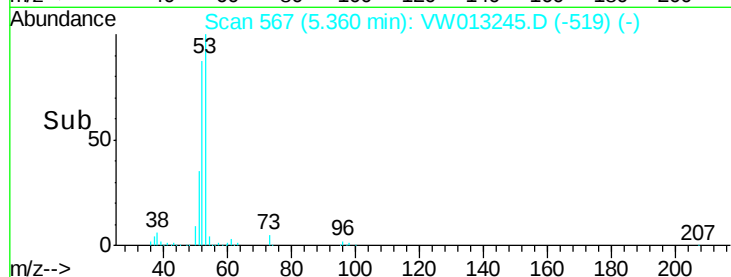
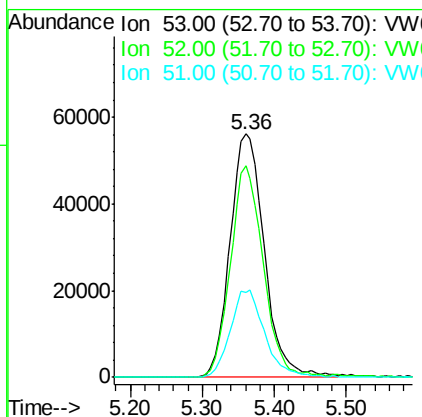
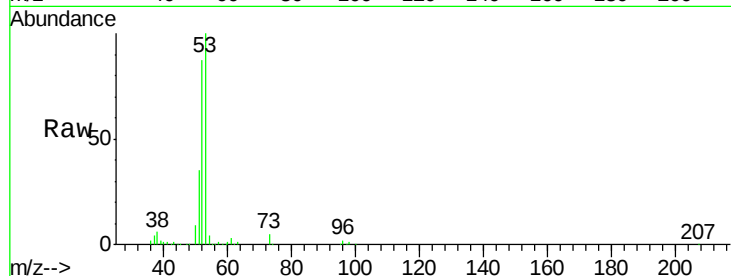
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	185533
Ion Ratio	Lower	Upper	
53	100		
52	83.4	65.3	97.9
51	35.9	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 241.212 ug/l

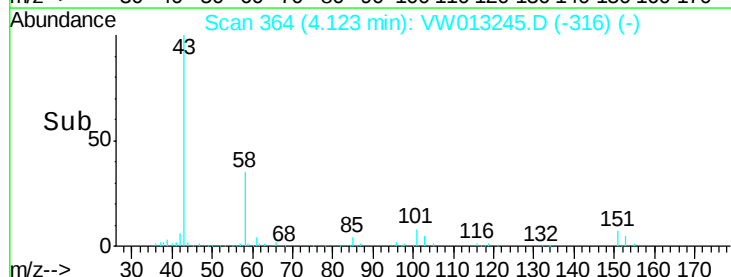
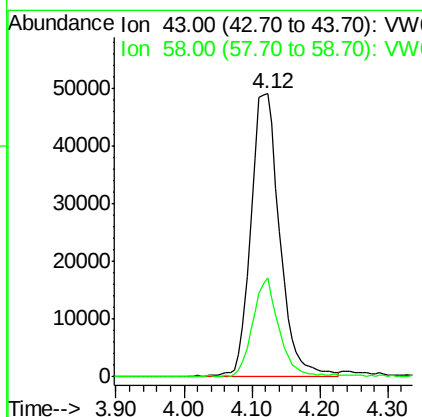
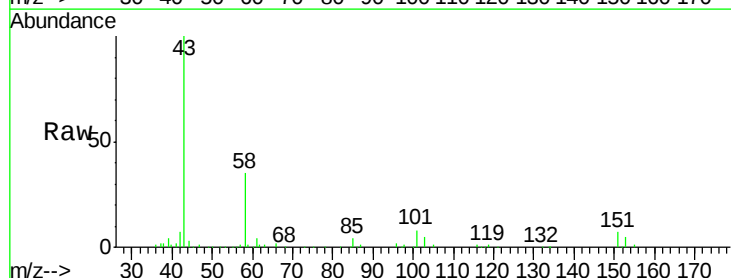
RT: 4.12 min Scan# 364

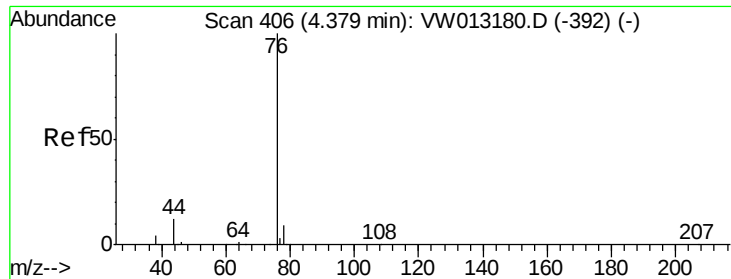
Delta R.T. -0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion	43	Resp	145745
Ion Ratio	Lower	Upper	
43	100		
58	34.7	24.1	36.1





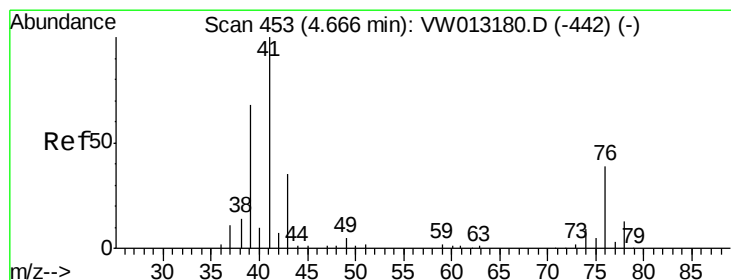
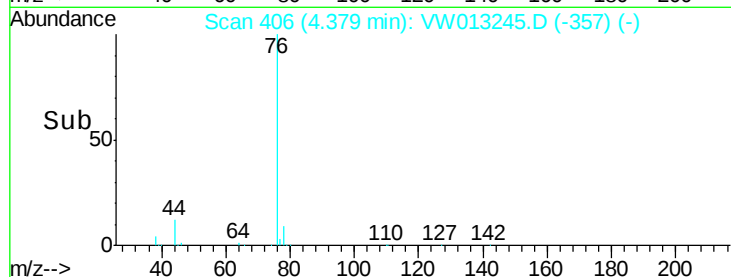
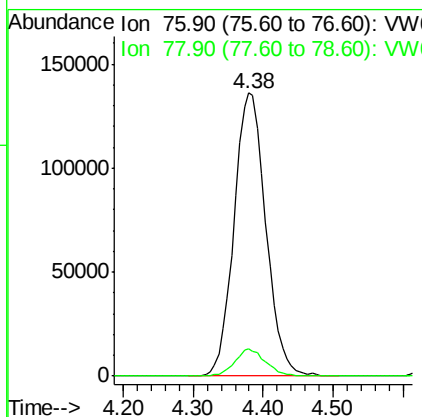
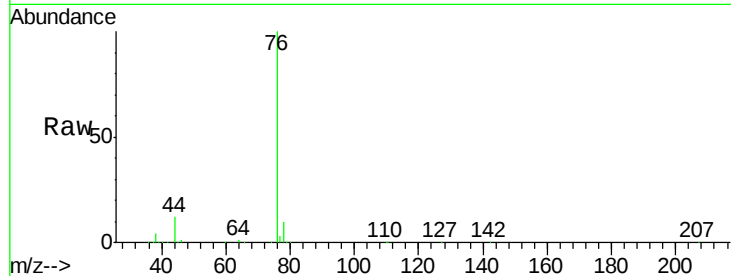
#17
Carbon Disulfide
Concen: 48.750 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.4

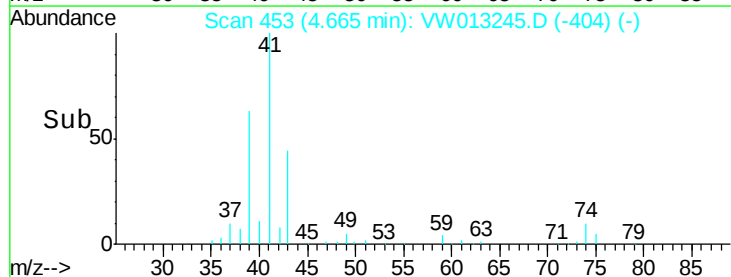
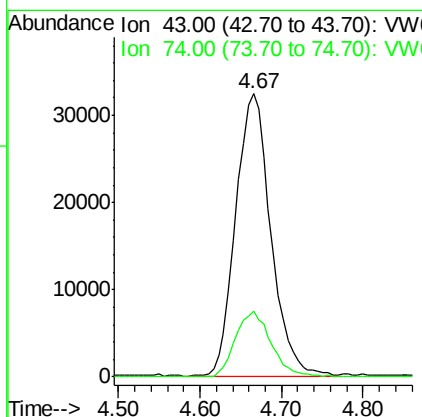
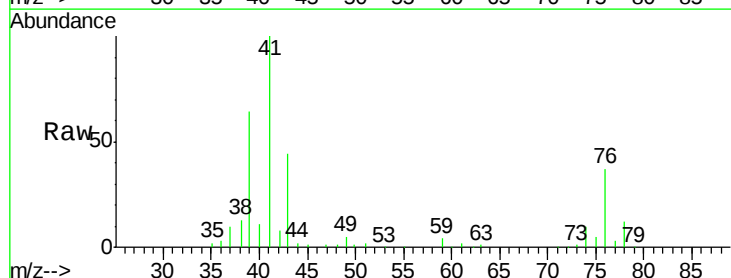
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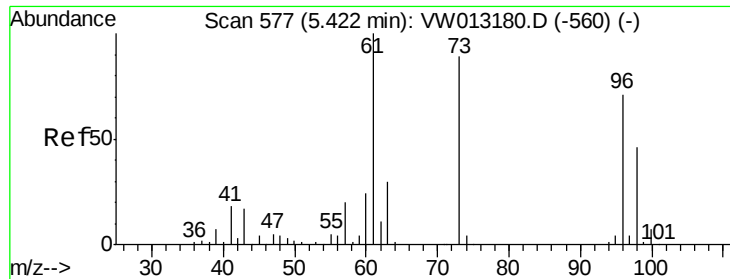
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#18
Methyl Acetate
Concen: 56.800 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.3	28.9





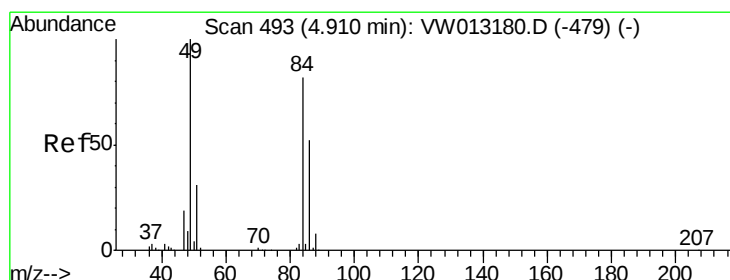
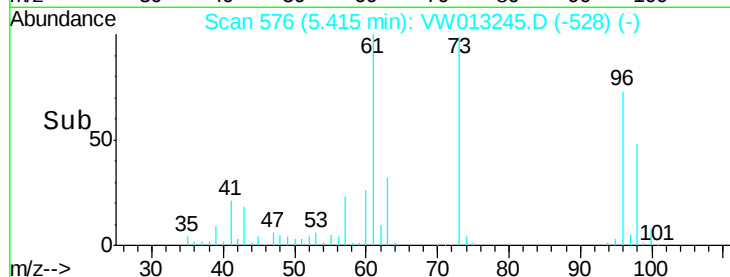
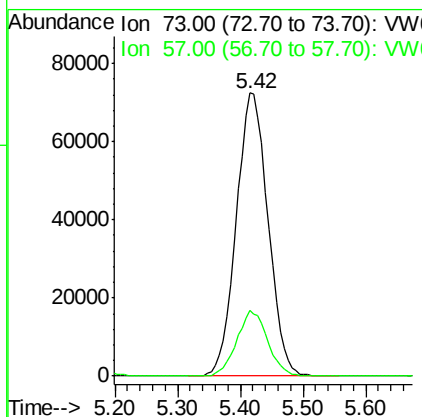
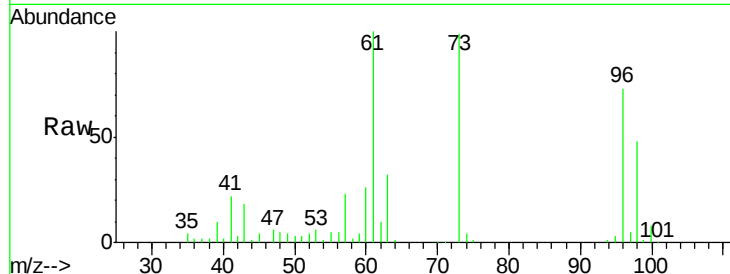
#19
Methvl tert-butvl Ether
Concen: 54.216 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 253503
Ion Ratio Lower Upper
73 100
57 23.4 17.6 26.4

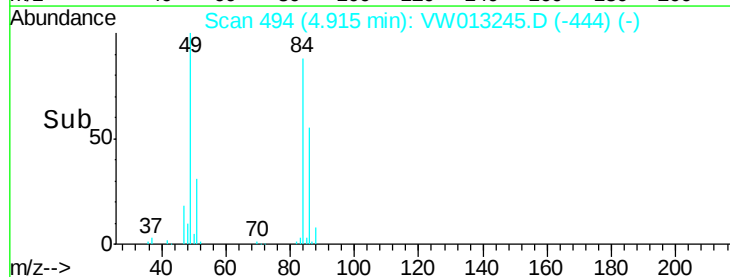
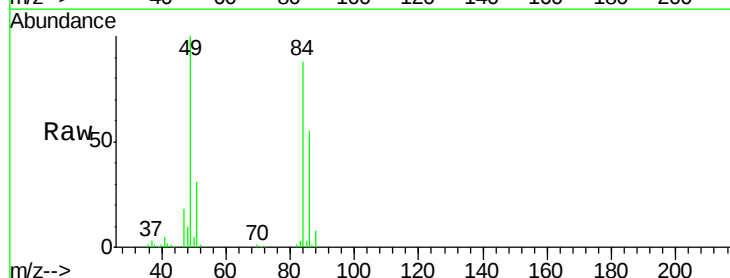
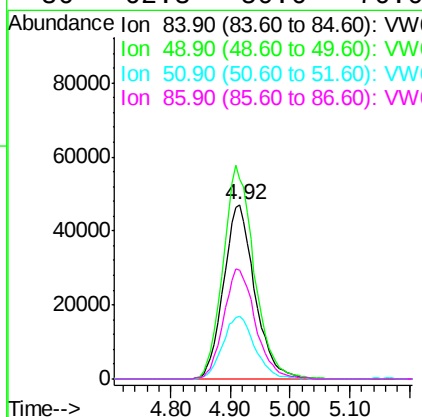
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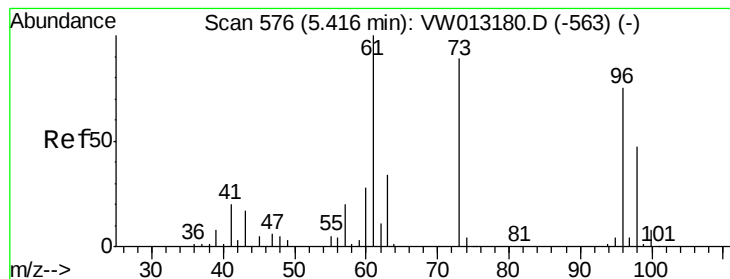
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#20
Methylene Chloride
Concen: 55.754 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion: 84 Resp: 171255
Ion Ratio Lower Upper
84 100
49 114.1 97.6 146.4
51 35.8 30.2 45.2
86 62.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 49.404 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 162905

Ion Ratio Lower Upper

96 100

61 137.4 106.6 159.8

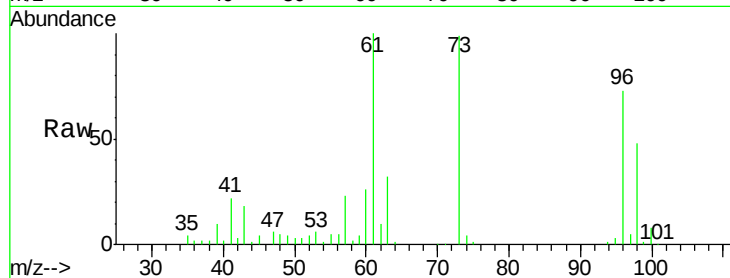
98 65.9 49.8 74.8

Manual Integrations

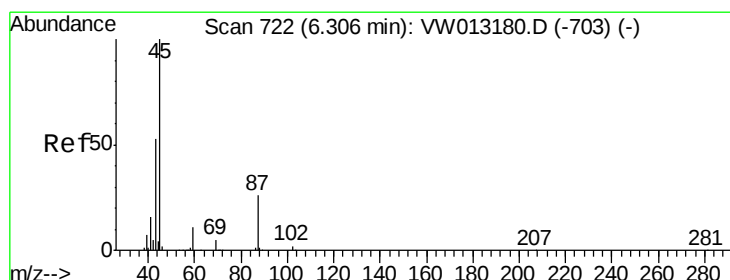
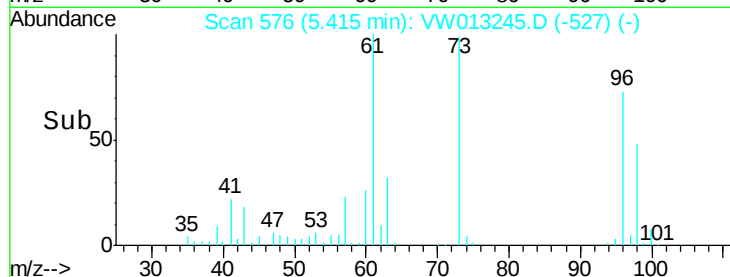
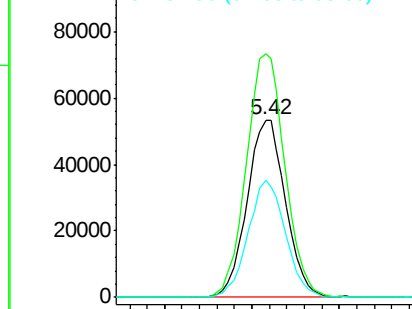
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.714 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion: 45 Resp: 486712

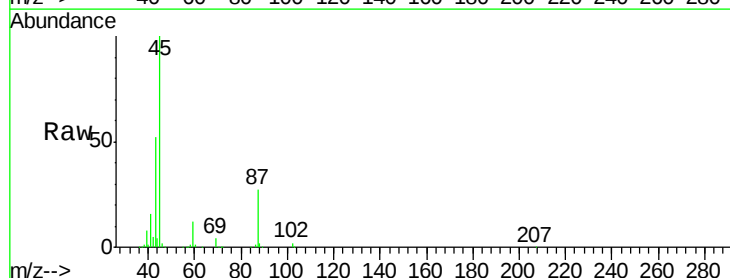
Ion Ratio Lower Upper

45 100

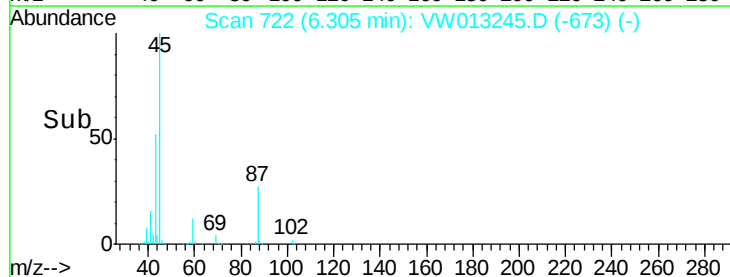
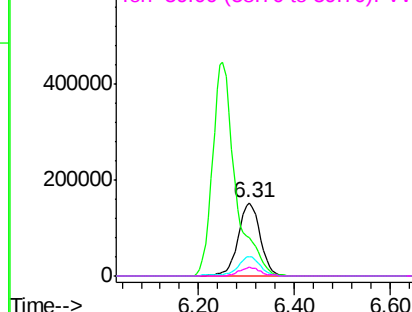
43 51.6 42.4 63.6

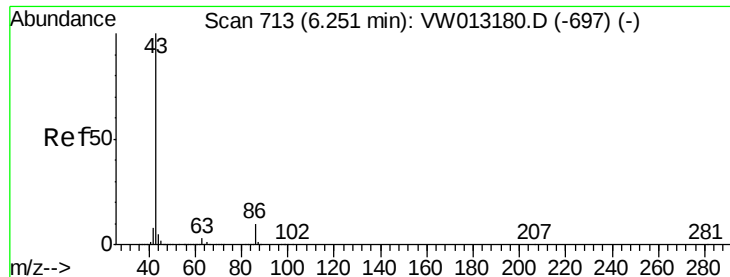
87 26.9 20.4 30.6

59 11.8 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 268.850 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1472638

Ion Ratio Lower Upper

43 100

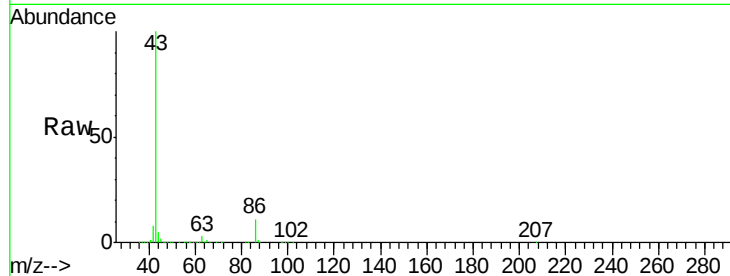
86 11.2 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

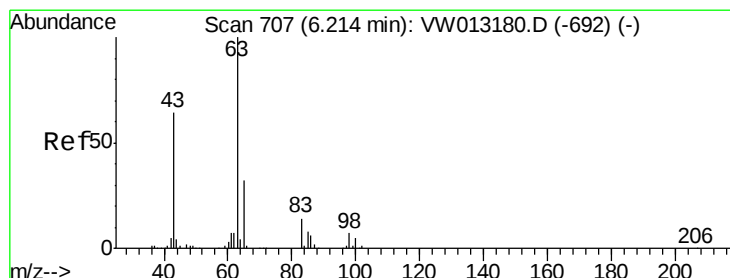
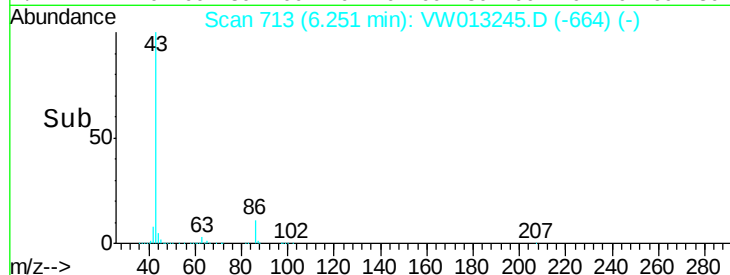
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.472 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

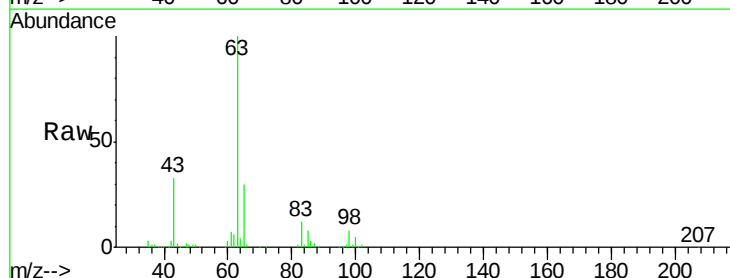
Tgt Ion: 63 Resp: 286778

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

100 4.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

120000

100000

80000

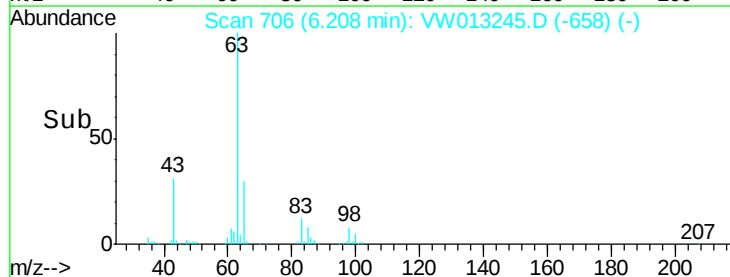
60000

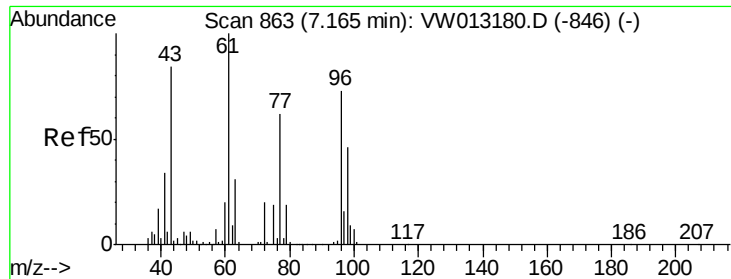
40000

20000

0

Time-->





#25

2-Butanone

Concen: 263.293 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 238816

Ion Ratio Lower Upper

43 100

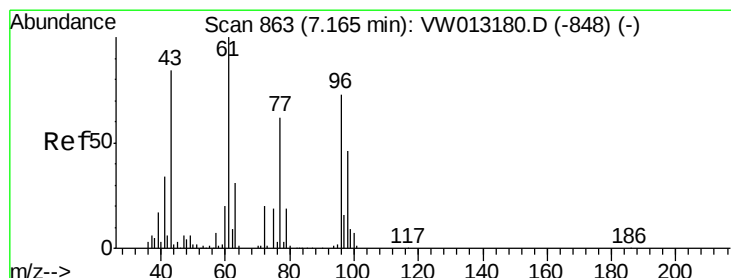
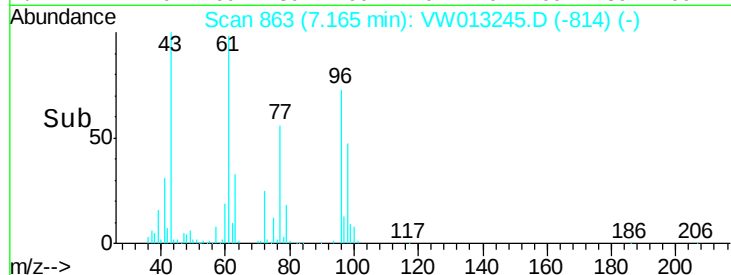
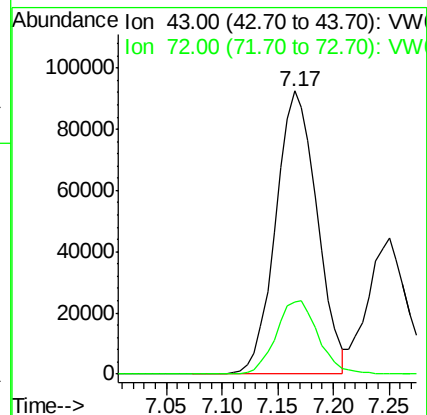
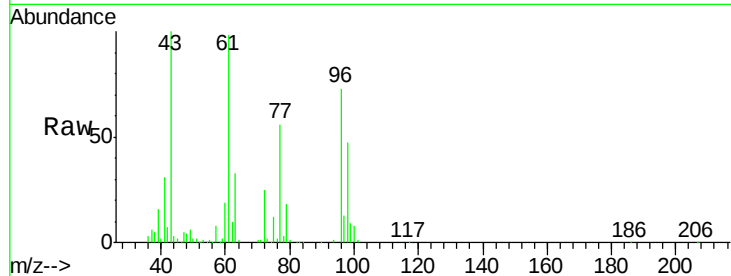
72 25.4 19.4 29.0

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#26

2,2-Dichloropropane

Concen: 45.057 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013245.D

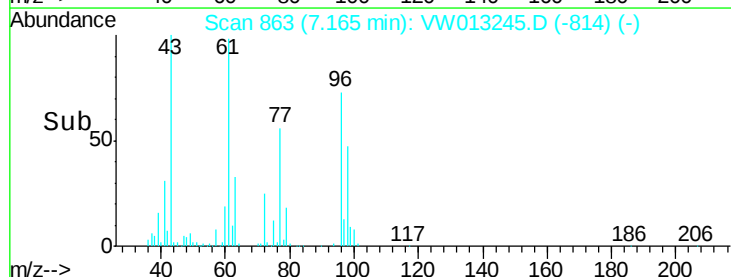
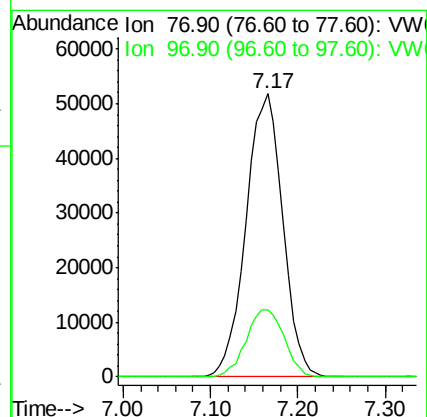
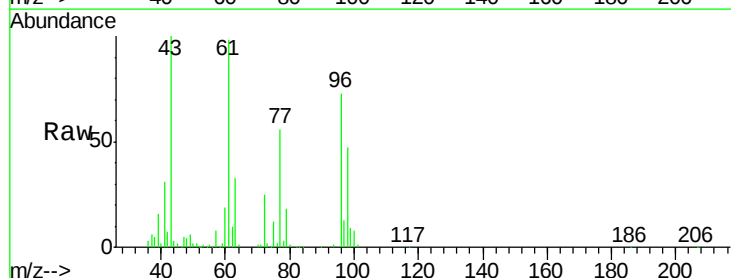
Acq: 23 Sep 2019 22:07

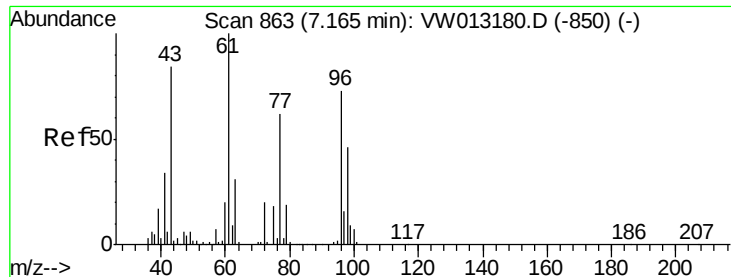
Tgt Ion: 77 Resp: 151301

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 52.192 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

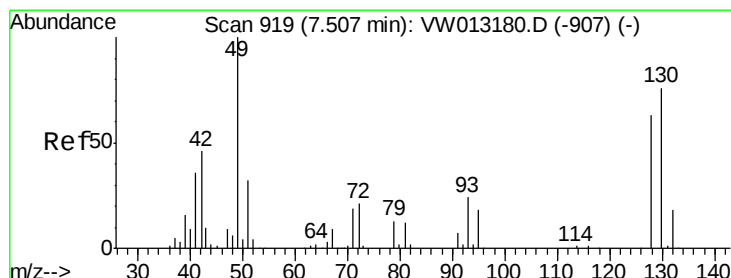
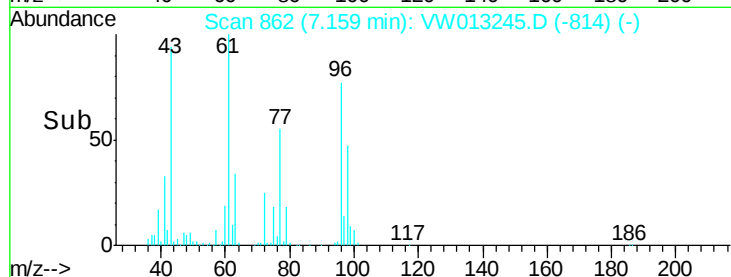
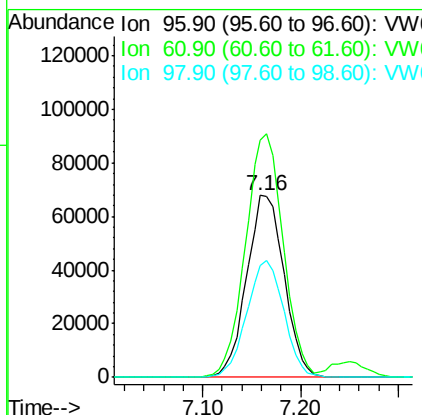
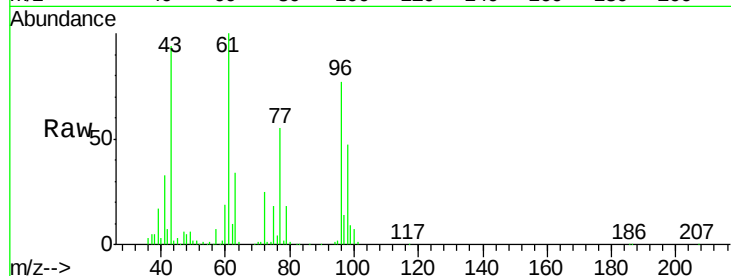
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	181620
Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	282.4
98	63.5	0.0	128.2

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#28

Bromochloromethane

Concen: 56.235 ug/l

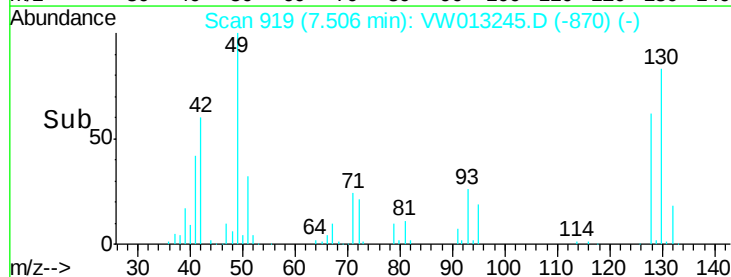
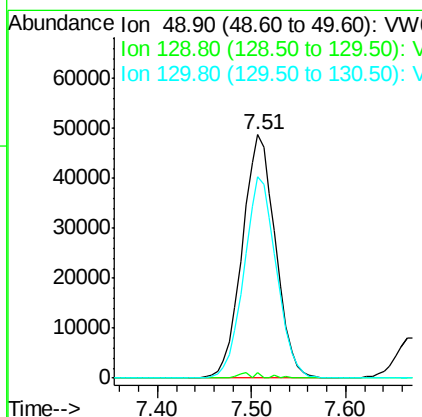
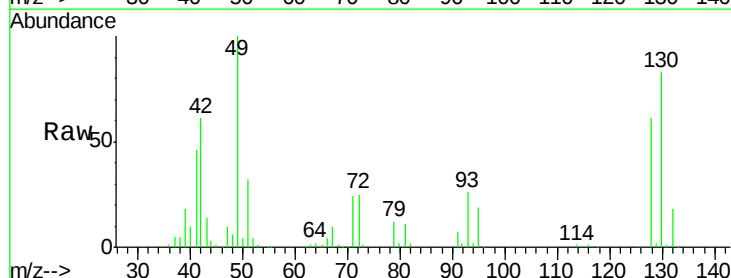
RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion:	49	Resp:	120250
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.0#
130	81.0	63.4	95.2





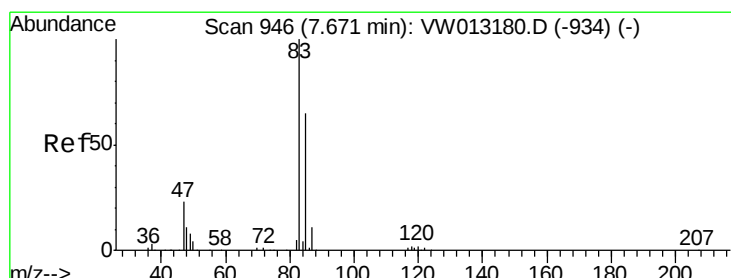
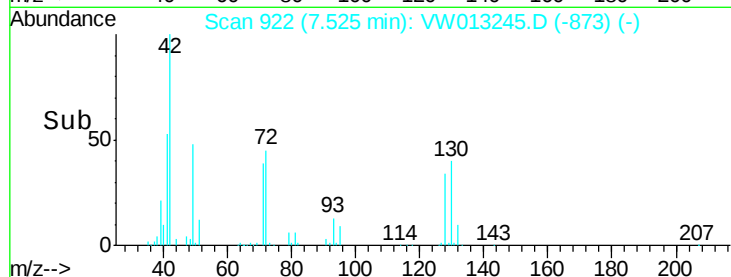
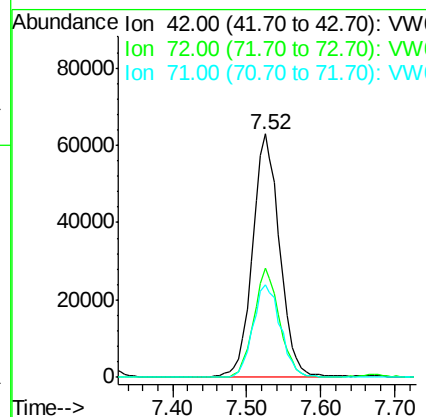
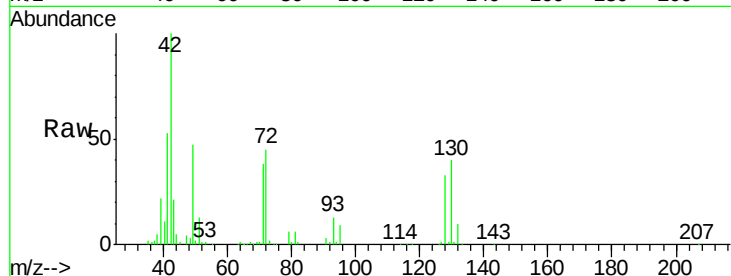
#29
Tetrahydrofuran
Concen: 289.708 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	161151
Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.9	50.9
71	38.7	31.9	47.9

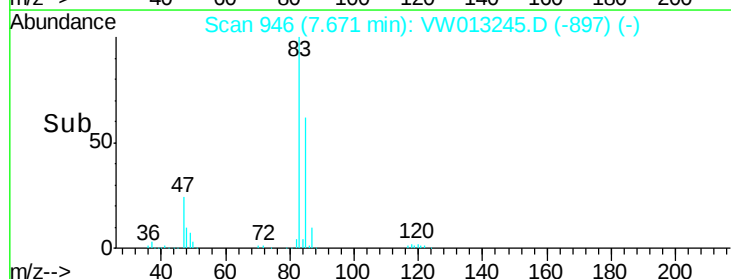
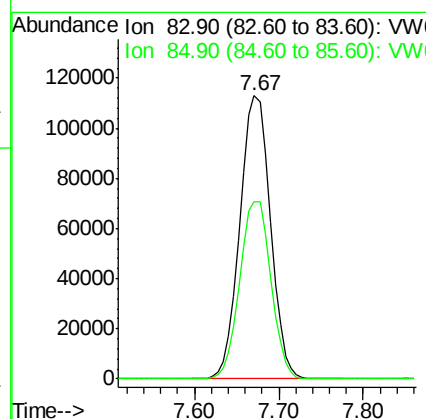
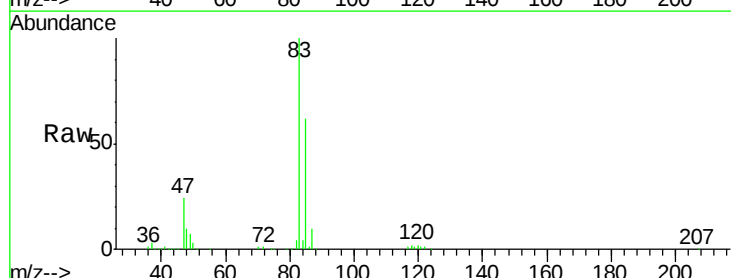
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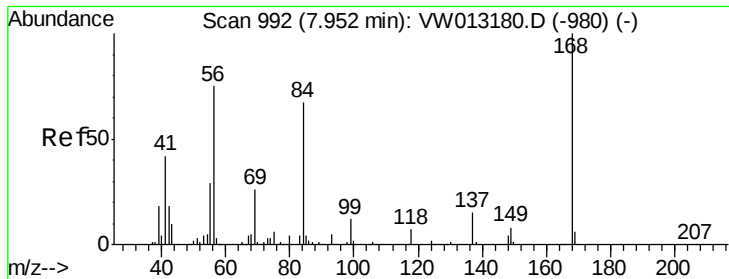
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#30
Chloroform
Concen: 50.655 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion:	83	Resp:	276308
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.3	78.5





#31

Cyclohexane

Concen: 46.170 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

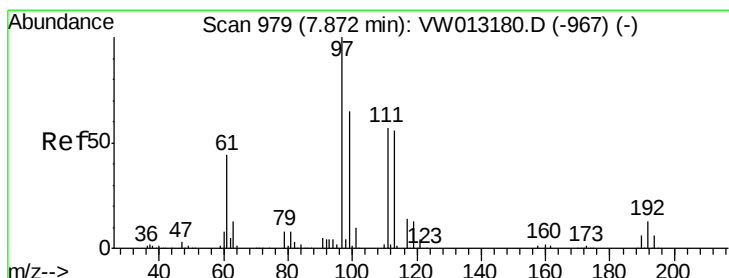
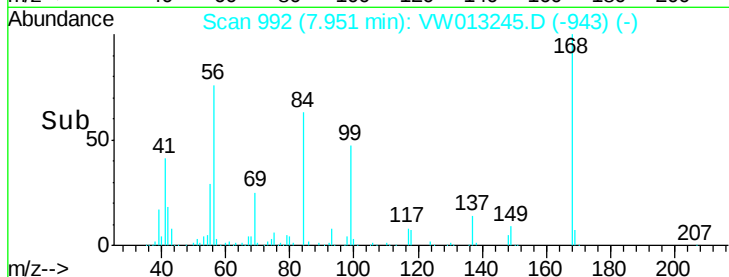
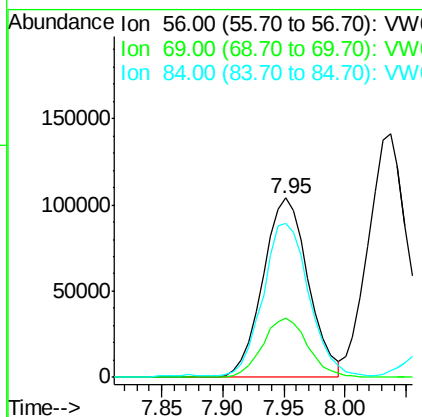
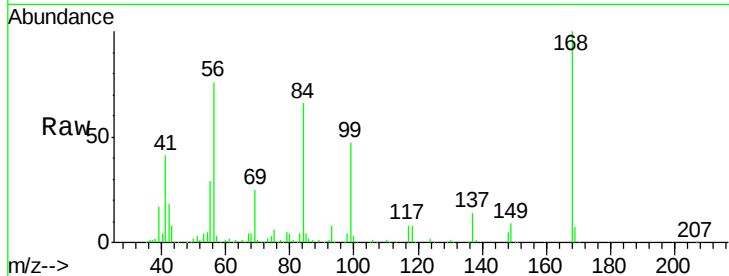
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	268144
Ion Ratio	Lower	Upper	
56	100		
69	33.2	27.2	40.8
84	84.7	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 48.654 ug/l

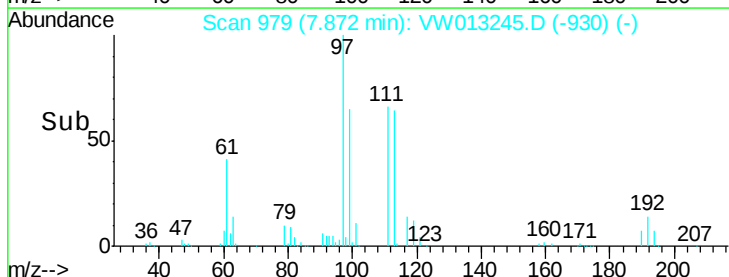
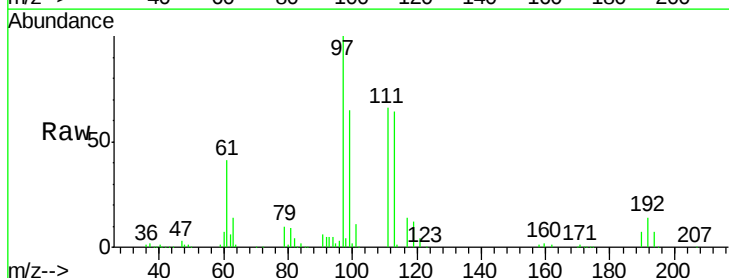
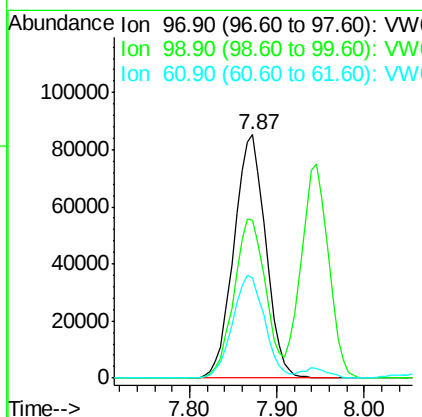
RT: 7.87 min Scan# 979

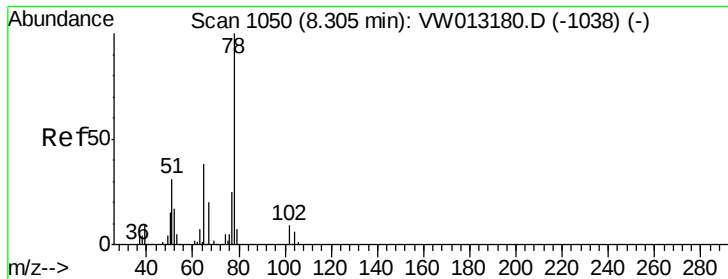
Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion:	97	Resp:	214948
Ion Ratio	Lower	Upper	
97	100		
99	65.8	51.7	77.5
61	42.8	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 56.384 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 151072

Ion Ratio Lower Upper

65 100

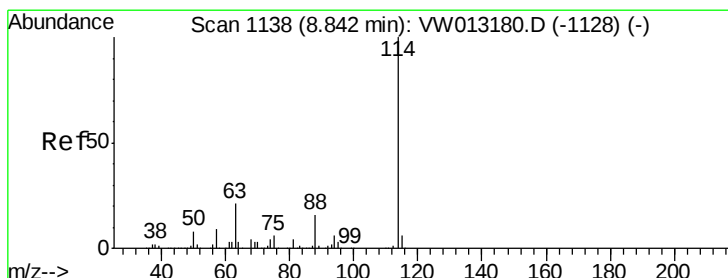
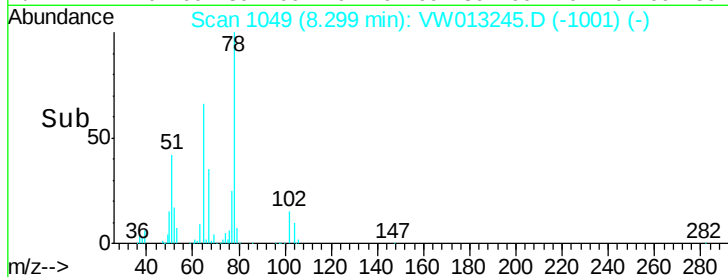
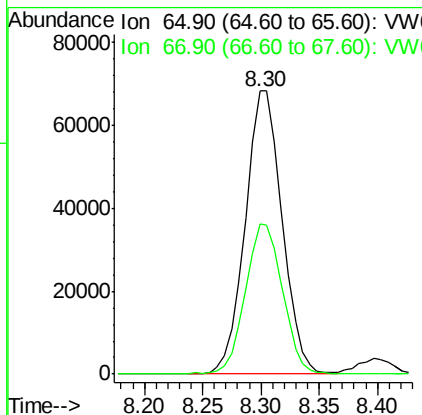
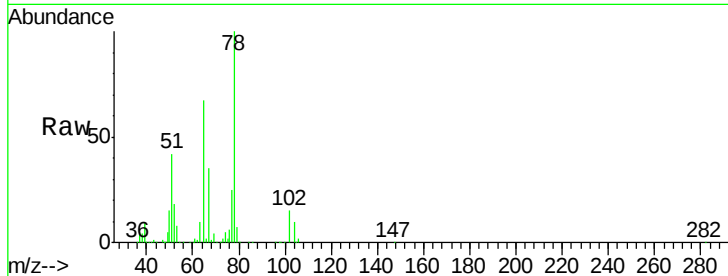
67 53.2 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

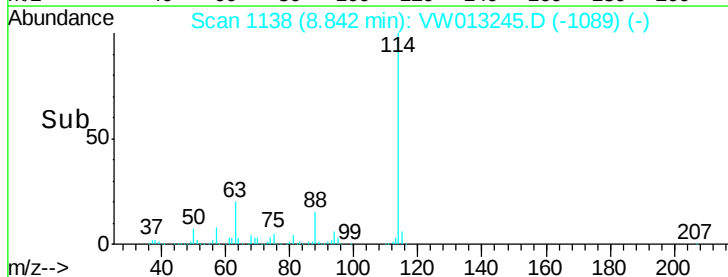
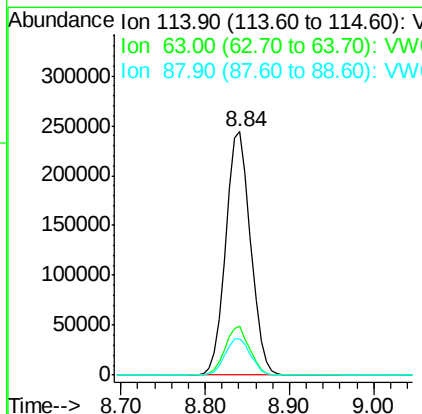
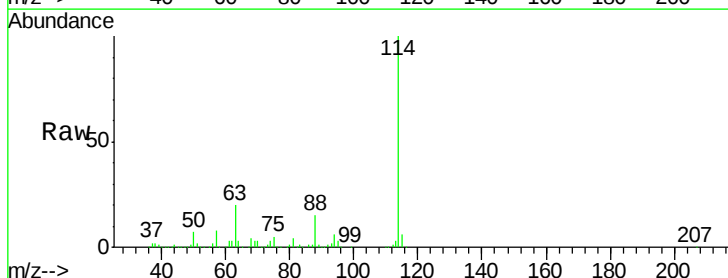
Tgt Ion: 114 Resp: 491762

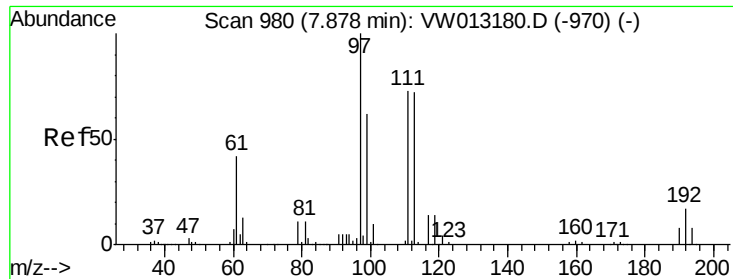
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

88 15.1 0.0 32.0





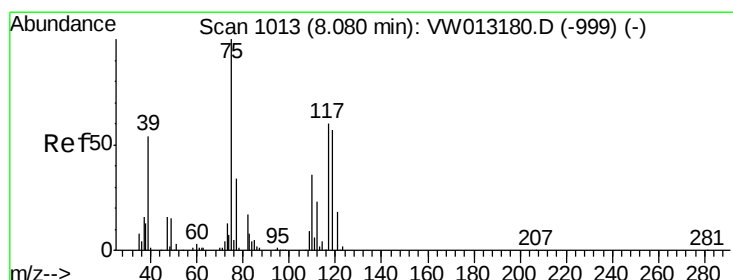
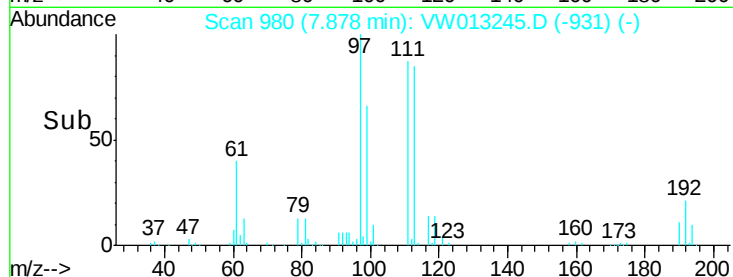
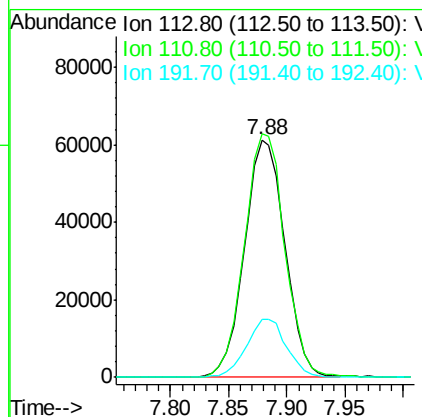
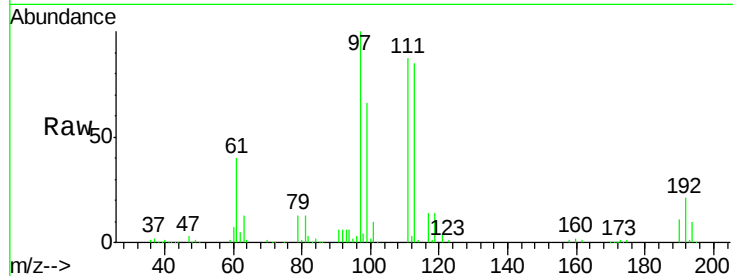
#35
 Dibromofluoromethane
 Concen: 54.645 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147797		
111	102.7	81.9	122.9	
192	24.1	19.1	28.7	

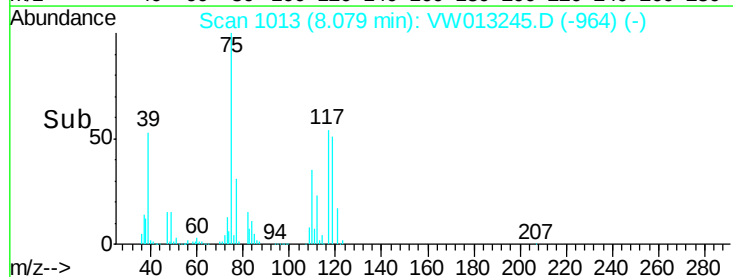
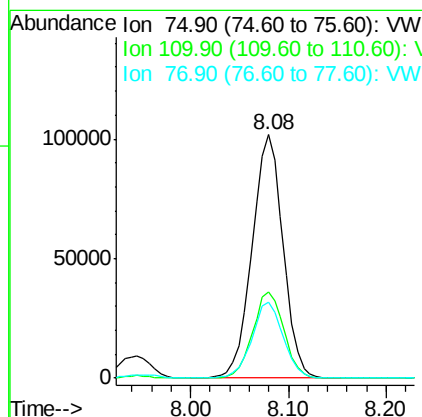
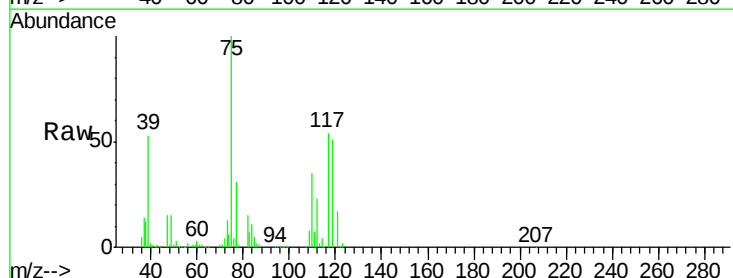
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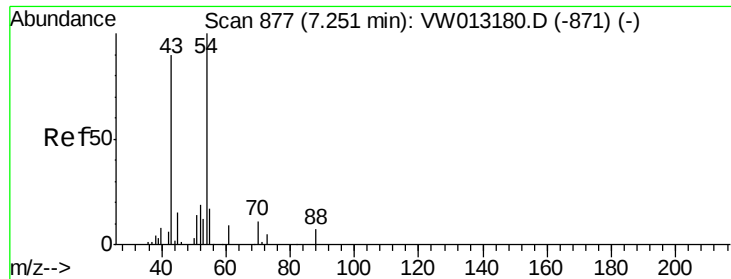
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#36
 1,1-Dichloropropene
 Concen: 47.174 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	224690		
110	35.5	18.1	54.3	
77	31.6	25.8	38.6	





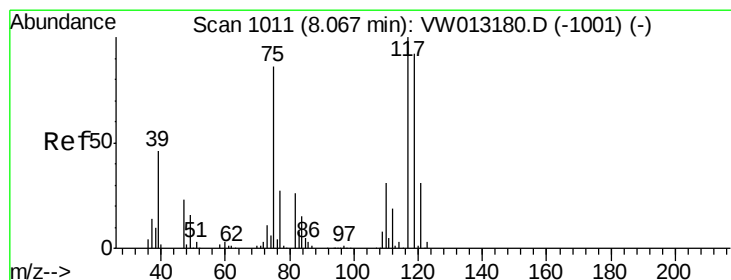
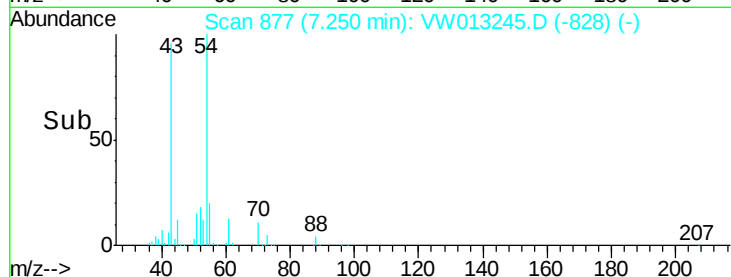
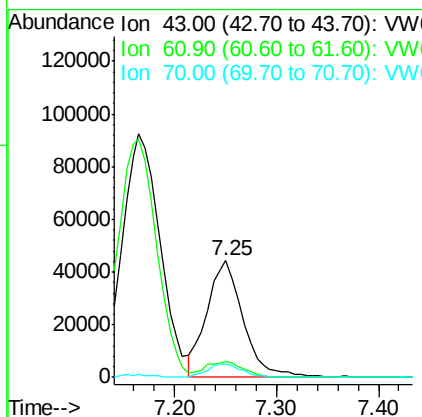
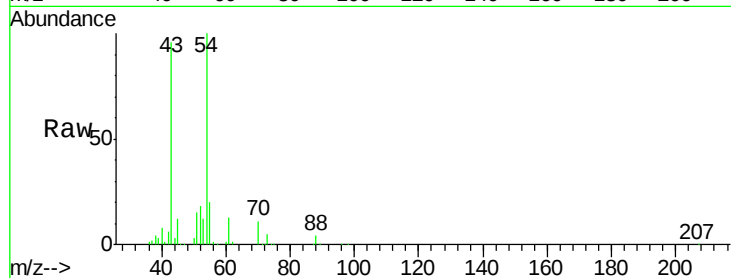
#37
Ethyl Acetate
Concen: 53.764 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	108836
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	11.3	8.2	12.2

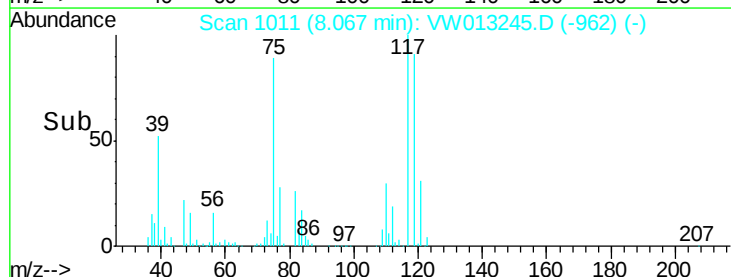
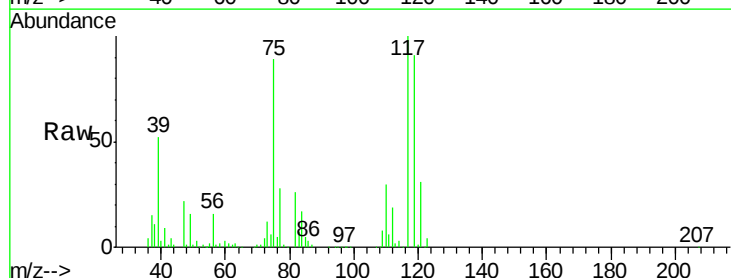
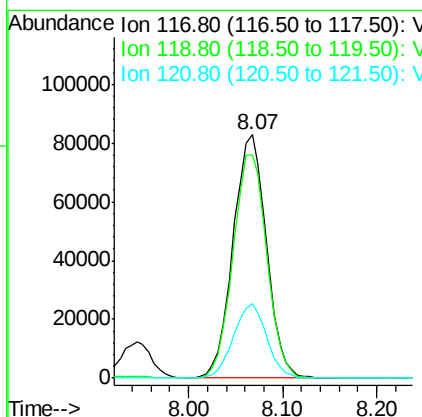
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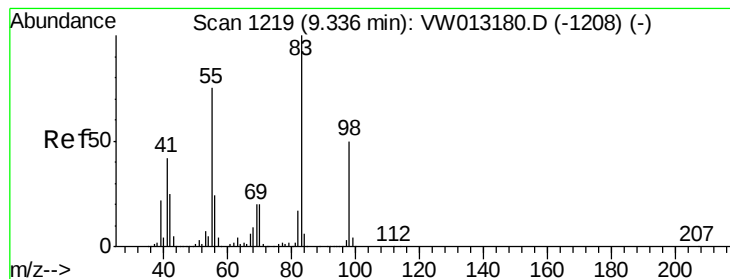
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#38
Carbon Tetrachloride
Concen: 47.828 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	117	Resp	204213
Ion	Ratio	Lower	Upper
117	100		
119	91.5	73.5	110.3
121	30.8	25.0	37.6





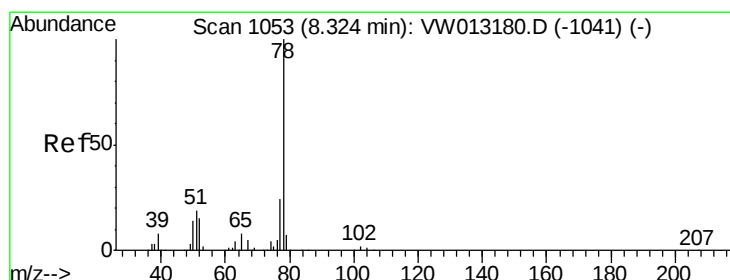
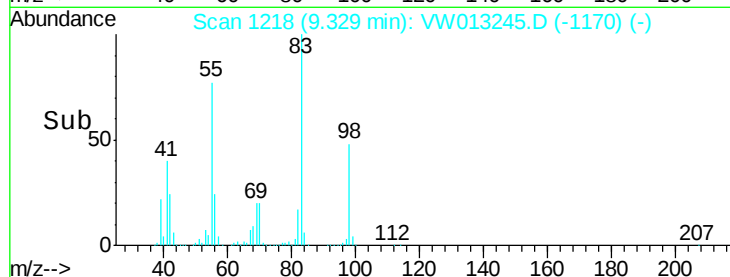
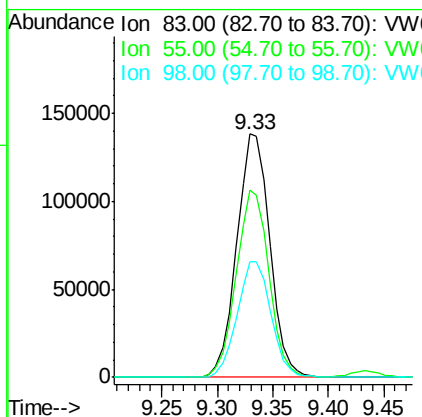
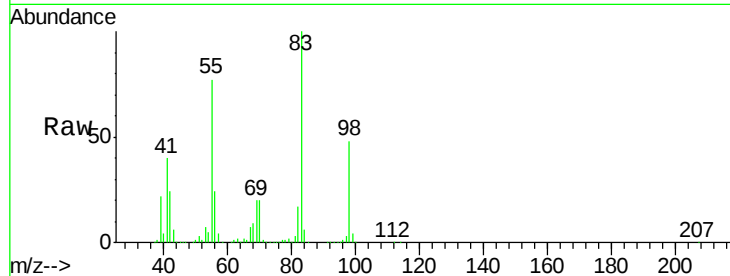
#39
Methvlcvclohexane
Concen: 46.512 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	284705		
55	77.1		60.4	90.6
98	47.5		40.0	60.0

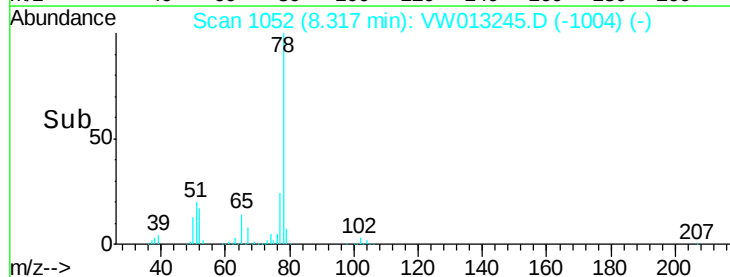
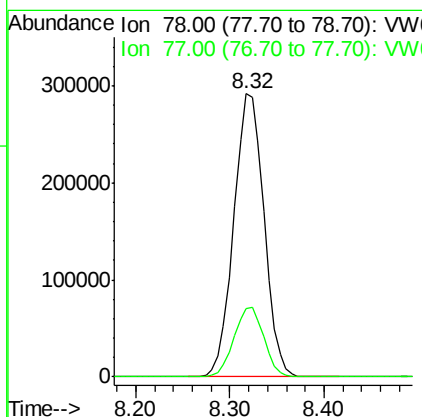
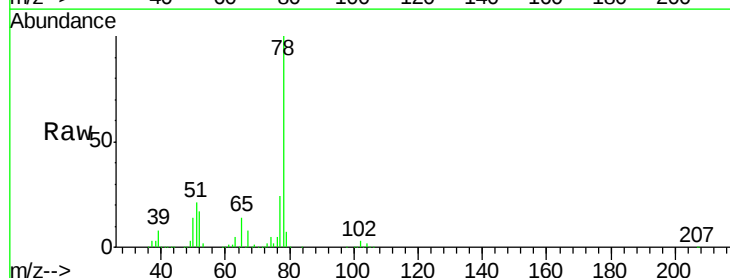
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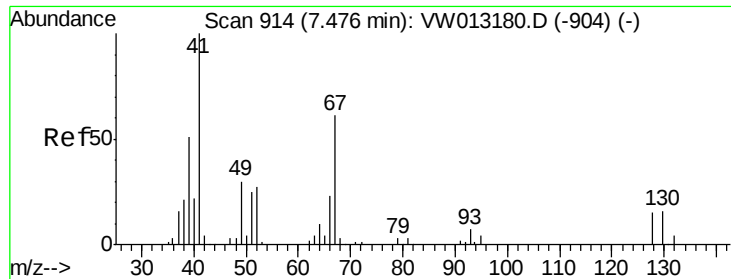
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#40
Benzene
Concen: 49.232 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	654082		
77	24.1		19.1	28.7





#41

Methacrylonitrile

Concen: 56.246 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

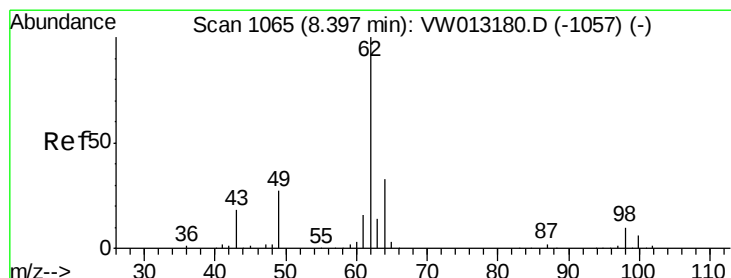
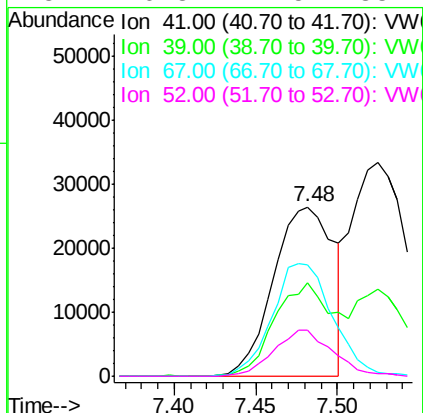
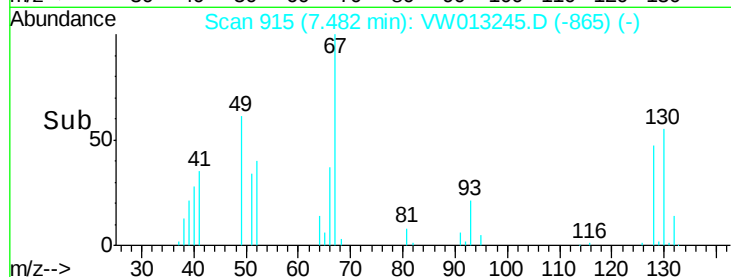
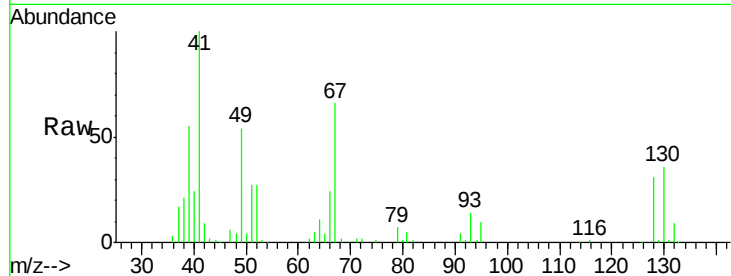
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	67955
Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.9	68.9
67	66.9	54.5	81.7
52	26.8	22.5	33.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.393 ug/l

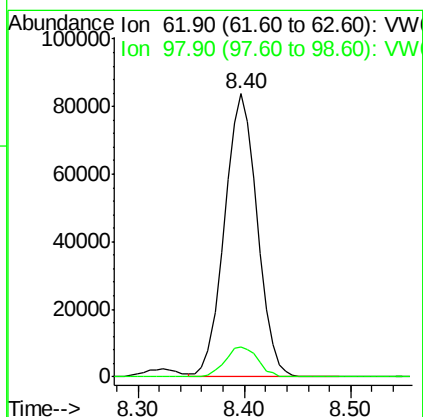
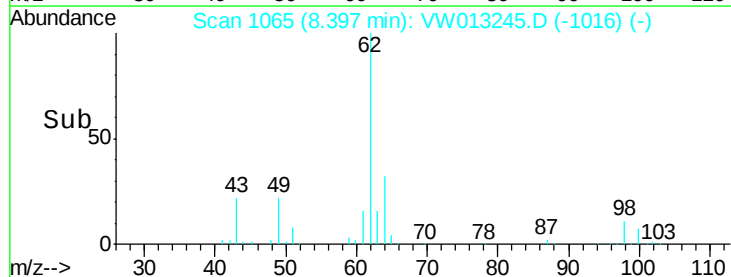
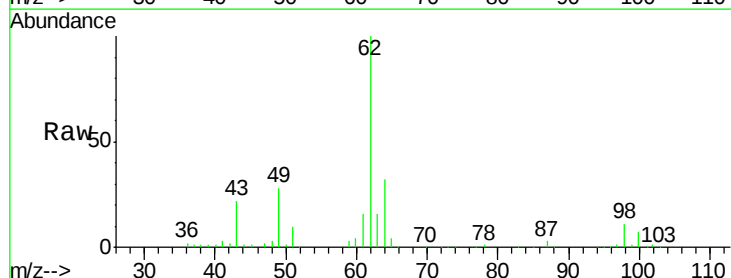
RT: 8.40 min Scan# 1065

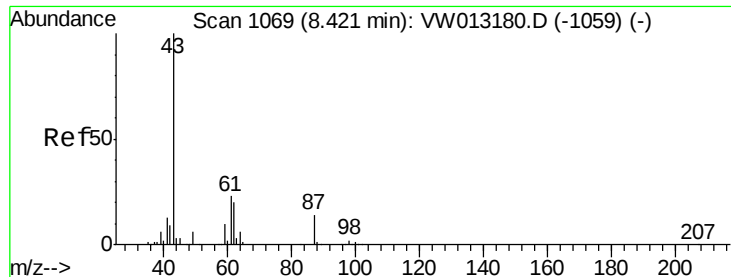
Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion	62	Resp	179975
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 53.269 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

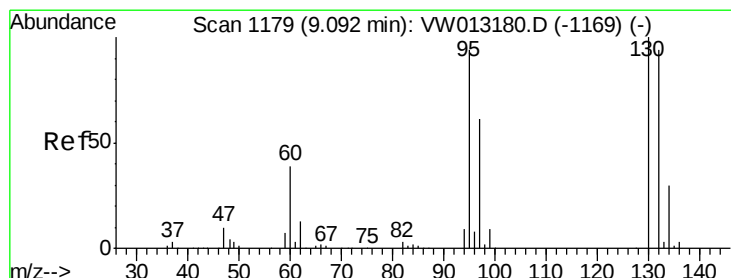
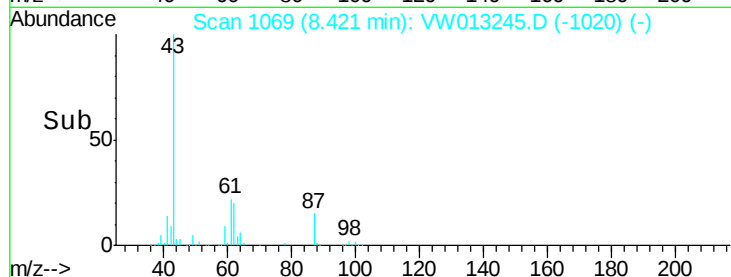
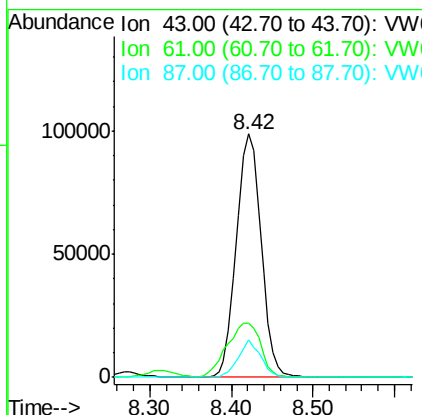
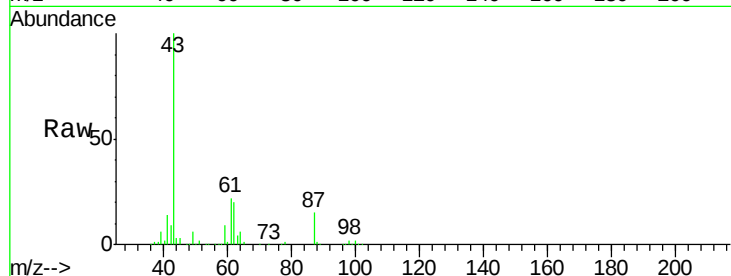
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	206672
Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.5	38.3
87	13.8	11.0	16.4

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#44

Trichloroethene

Concen: 48.875 ug/l

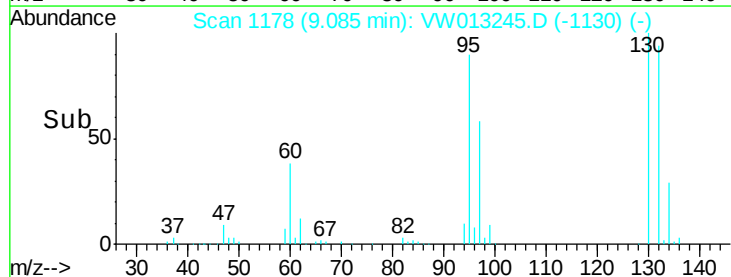
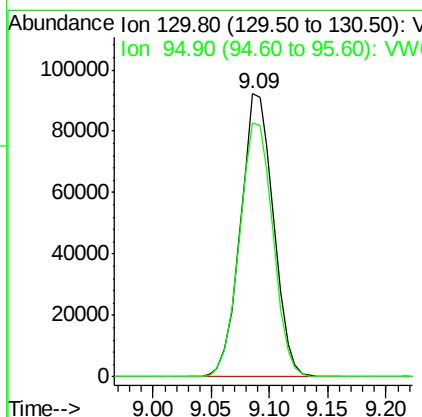
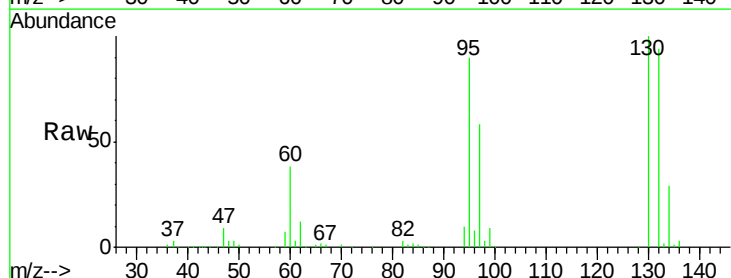
RT: 9.09 min Scan# 1178

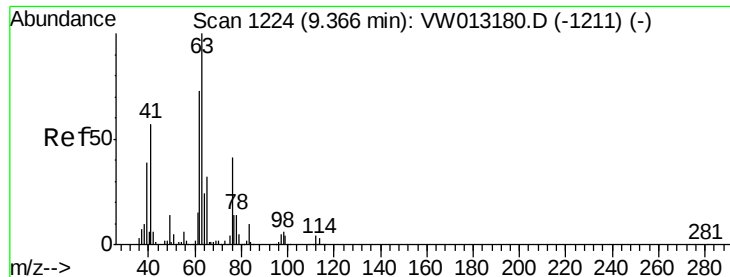
Delta R.T. -0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion:	130	Resp:	182184
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 50.502 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 163808

Ion Ratio Lower Upper

63 100

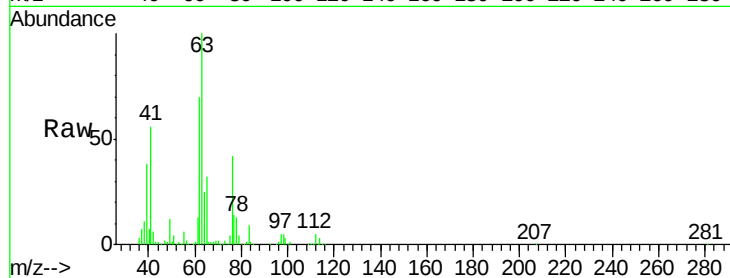
65 31.6 25.3 37.9

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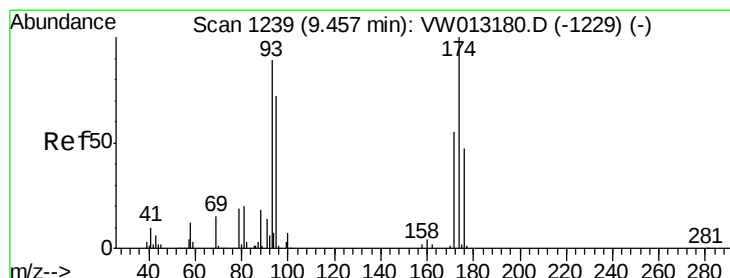
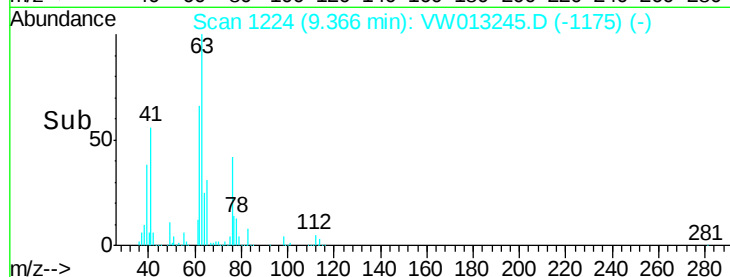
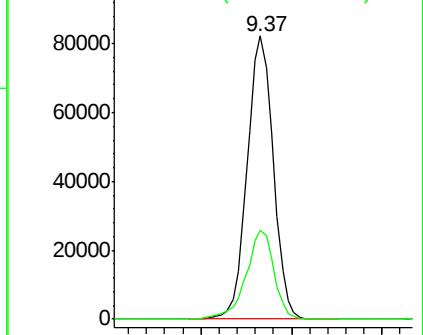
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 51.439 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

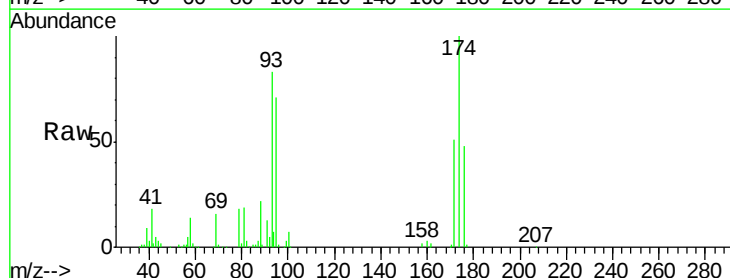
Tgt Ion: 93 Resp: 81003

Ion Ratio Lower Upper

93 100

95 83.7 66.4 99.6

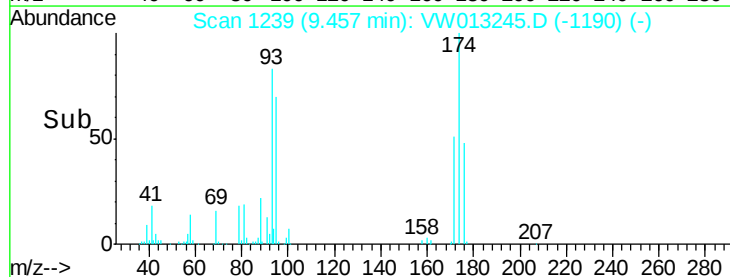
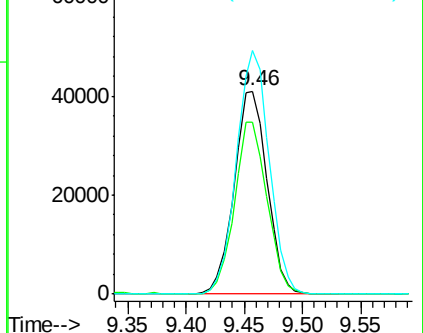
174 119.2 93.0 139.6

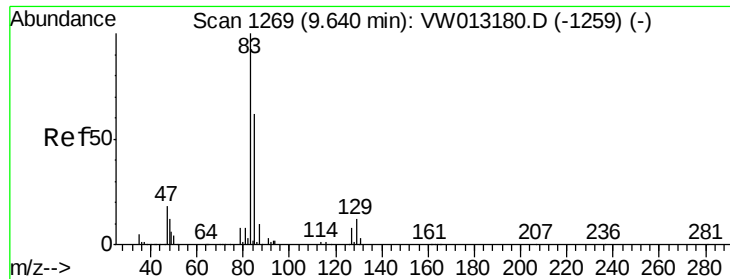


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.083 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

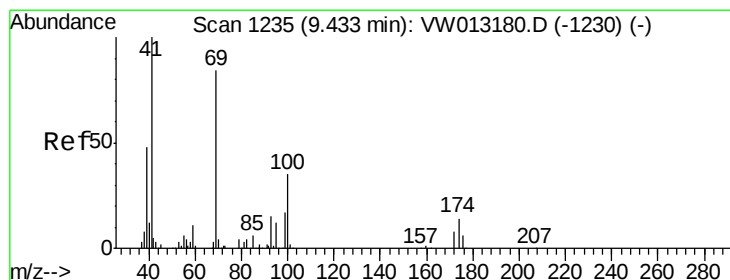
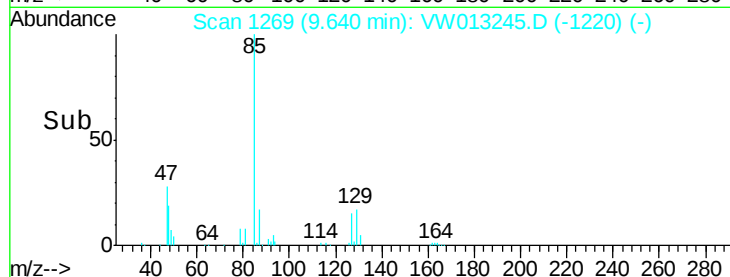
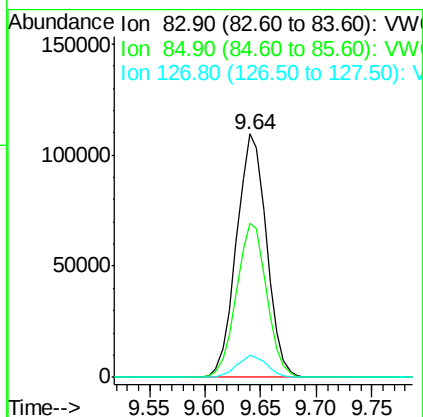
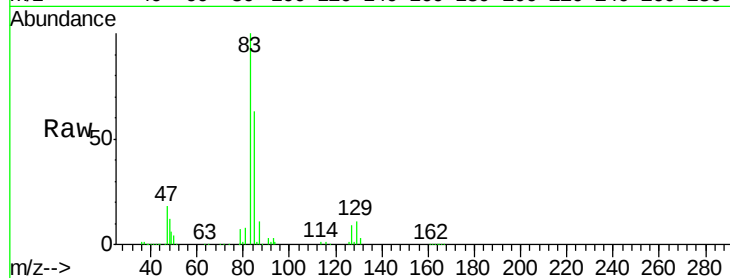
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	204691
Ion Ratio	Lower	Upper	
83	100		
85	63.3	49.4	74.2
127	9.2	6.5	9.7

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#48

Methyl methacrylate

Concen: 57.198 ug/l

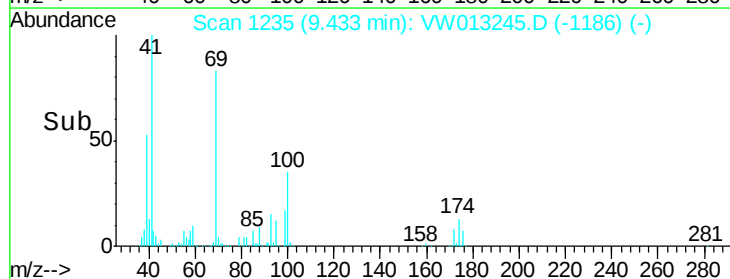
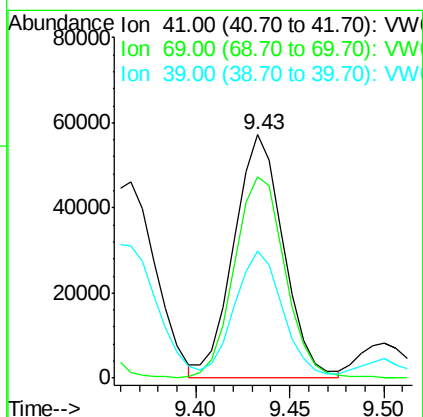
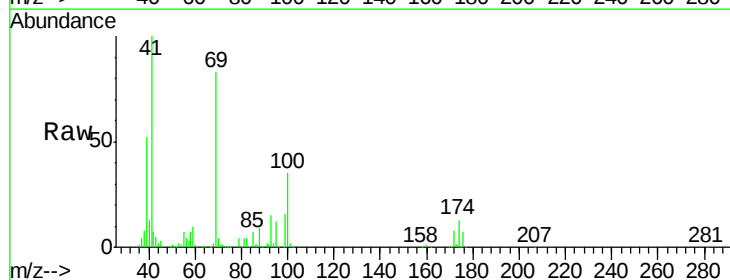
RT: 9.43 min Scan# 1235

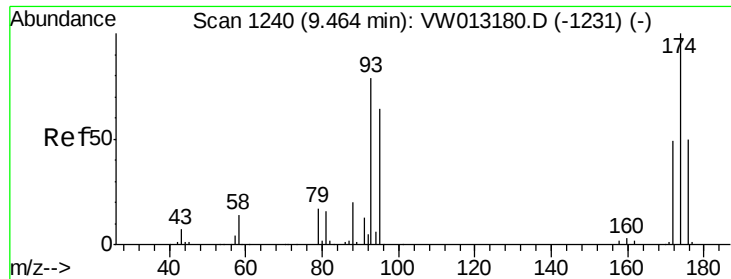
Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion:	41	Resp:	104350
Ion Ratio	Lower	Upper	
41	100		
69	84.7	69.7	104.5
39	47.5	41.1	61.7





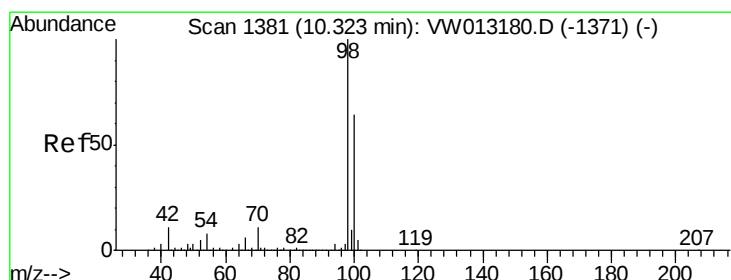
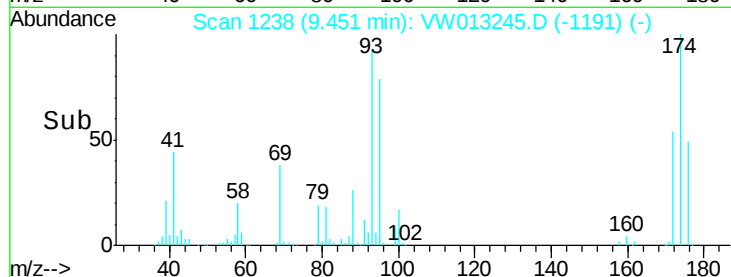
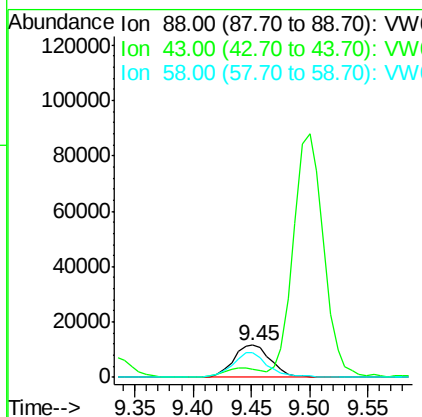
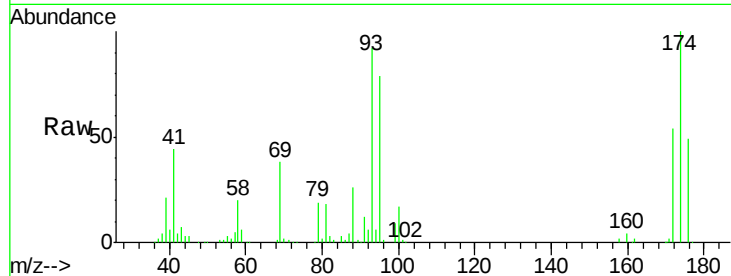
#49
1,4-Dioxane
Concen: 1088.206 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	0.0	0.0#
58	74.1	65.4	98.0

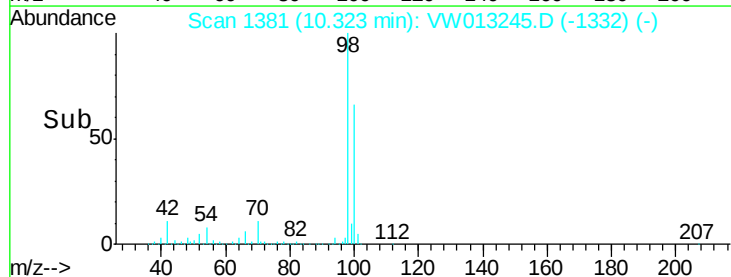
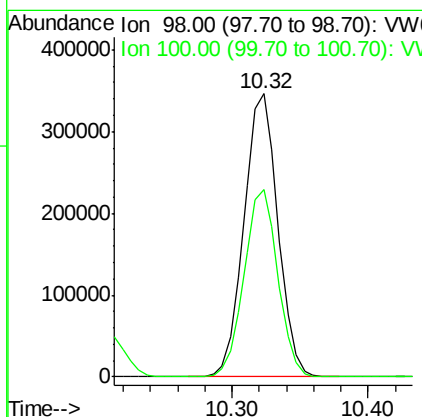
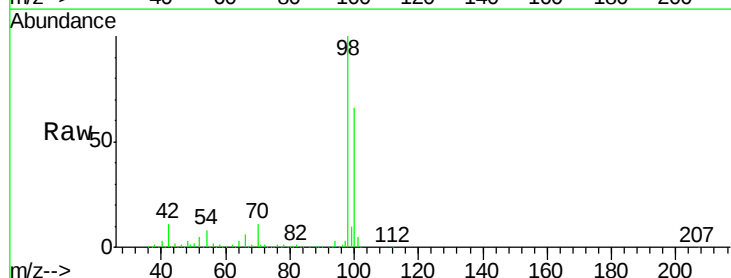
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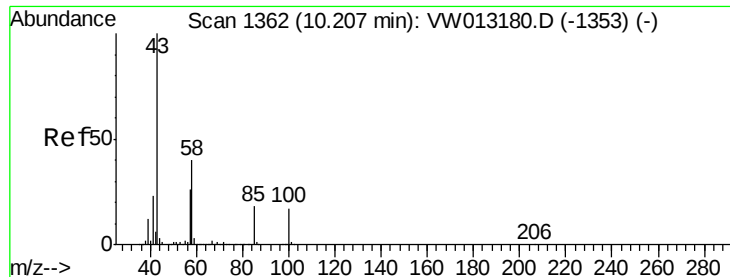
MMDadoda
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#50
Toluene-d8
Concen: 53.359 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 272.836 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 530669

Ion Ratio Lower Upper

43 100

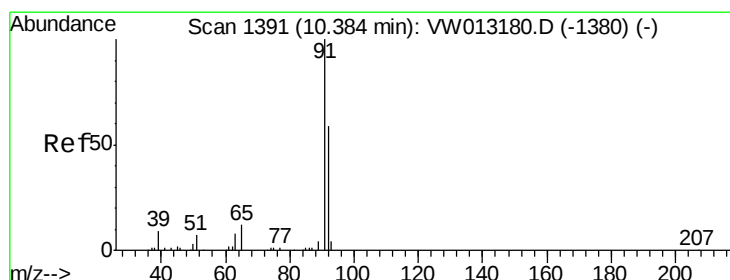
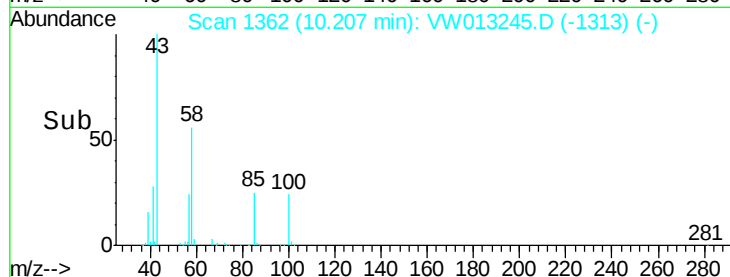
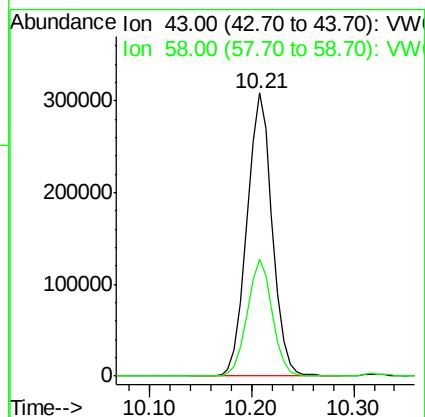
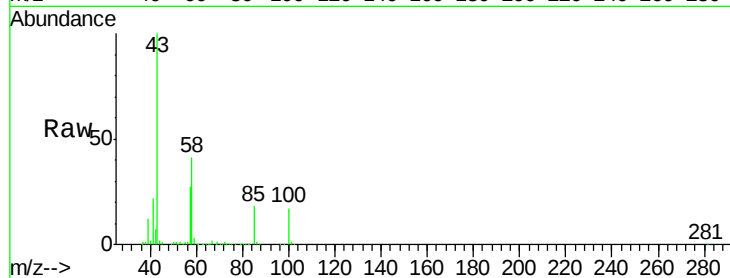
58 40.9 31.7 47.5

Manual Integrations

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#52

Toluene

Concen: 49.824 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013245.D

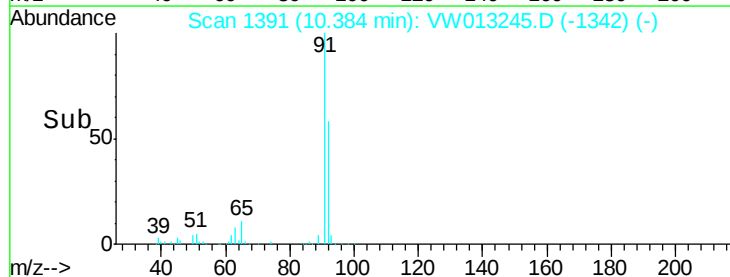
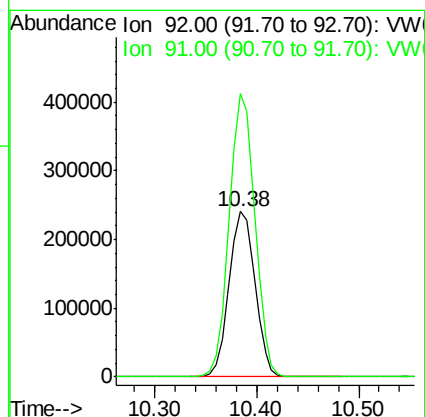
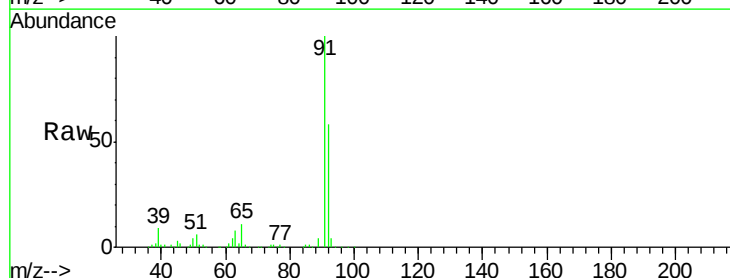
Acq: 23 Sep 2019 22:07

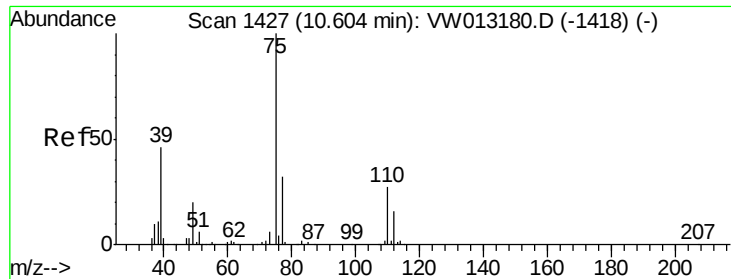
Tgt Ion: 92 Resp: 424230

Ion Ratio Lower Upper

92 100

91 169.2 135.7 203.5





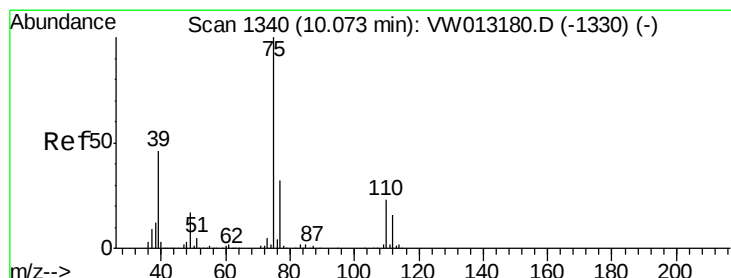
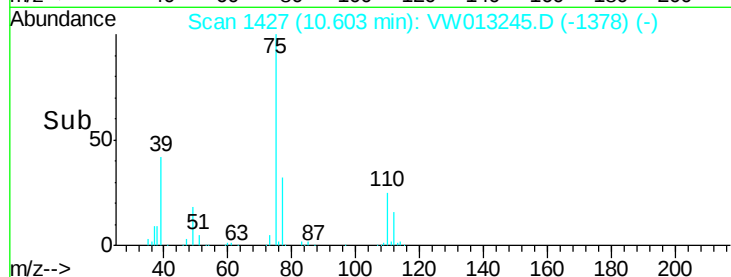
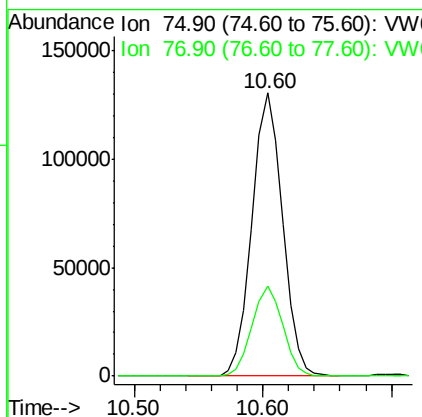
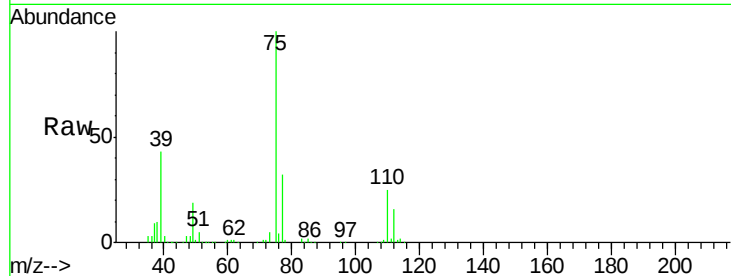
#53
t-1,3-Dichloropropene
Concen: 51.811 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

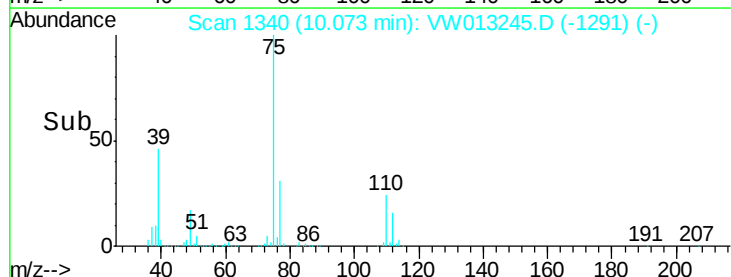
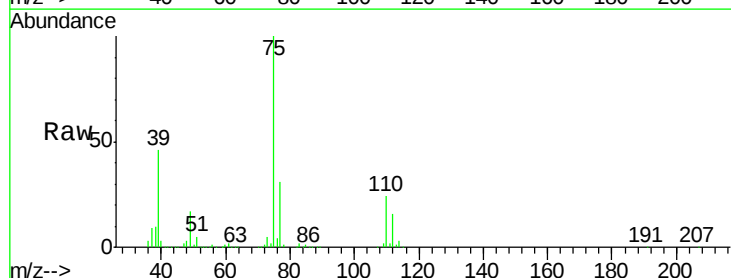
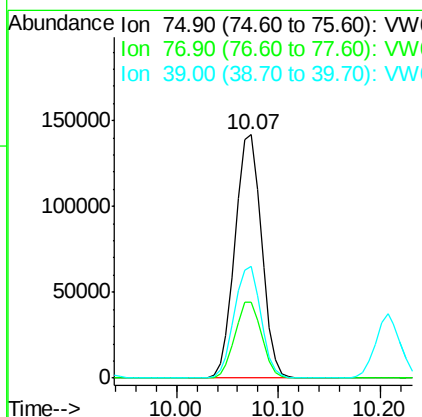
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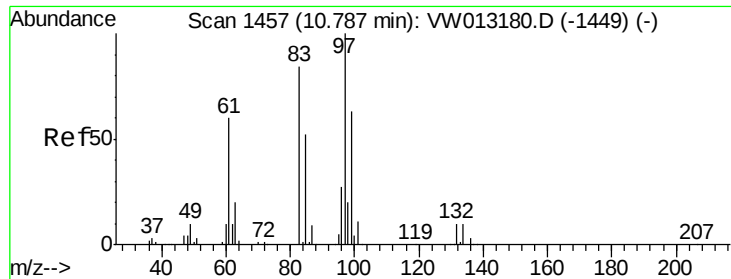
MMDadoda
9/25/2019 12:35:44 AM



#54
cis-1,3-Dichloropropene
Concen: 51.043 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8
39	45.7	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 52.451 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

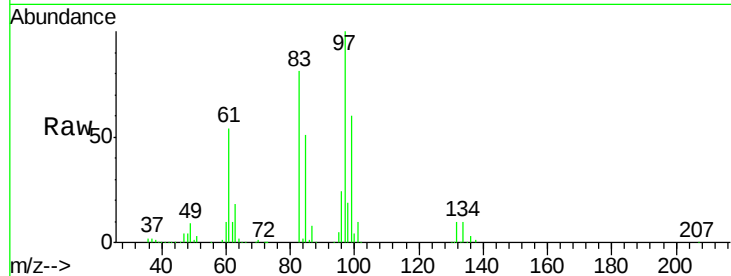
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	123457
Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.6	101.4
85	51.3	41.9	62.9
99	60.3	50.1	75.1

Manual Integrations
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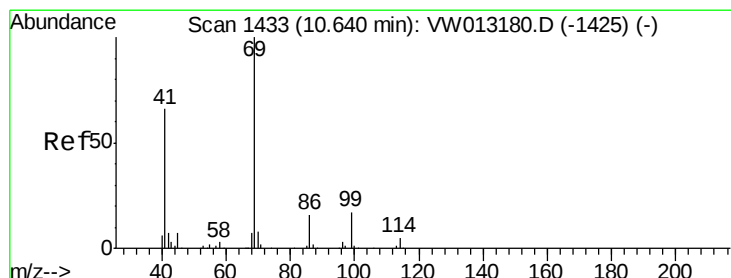
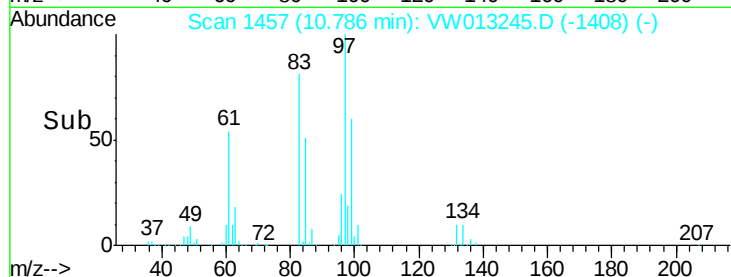
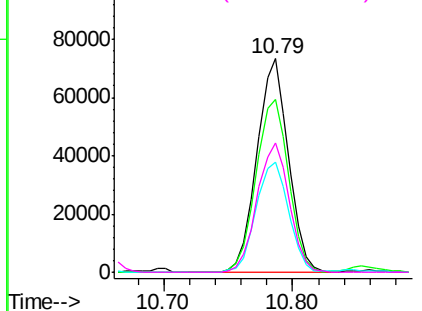


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 56.198 ug/l

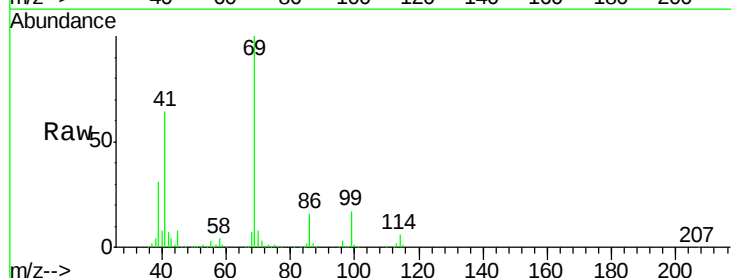
RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

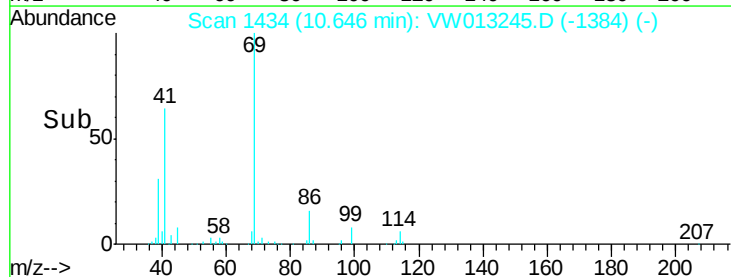
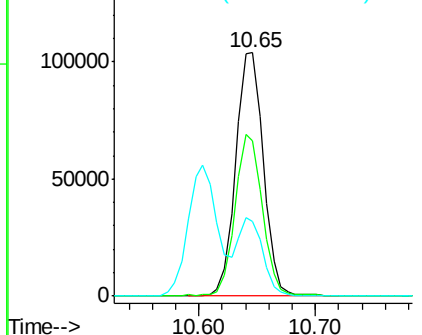
Tgt Ion:	69	Resp:	173113
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.9	80.9
39	28.3	23.8	35.6

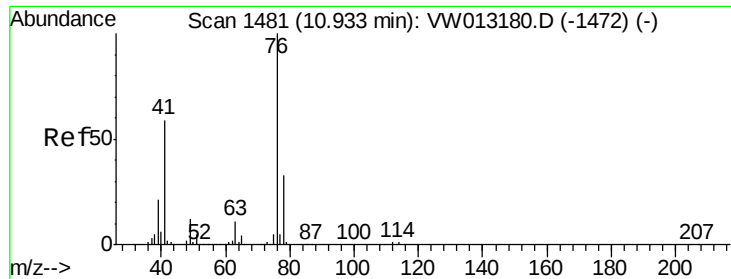


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





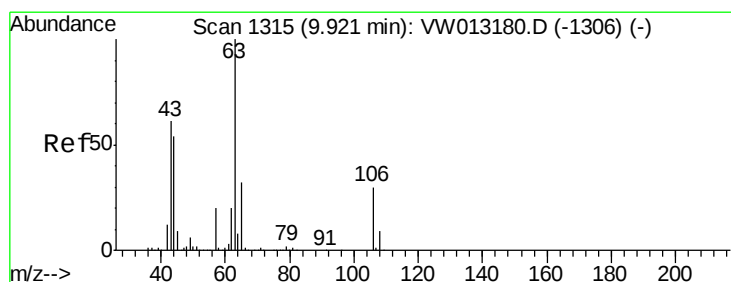
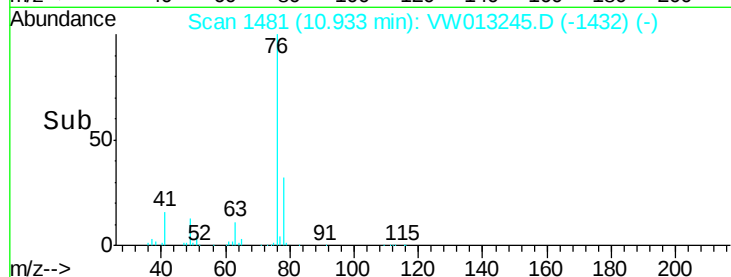
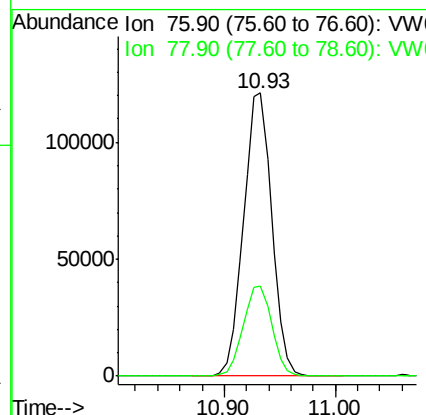
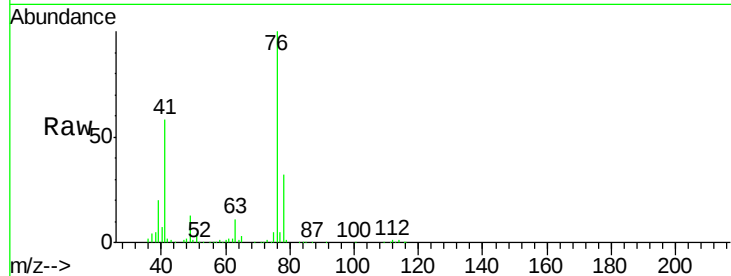
#57
 1,3-Dichloropropane
 Concen: 51.922 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

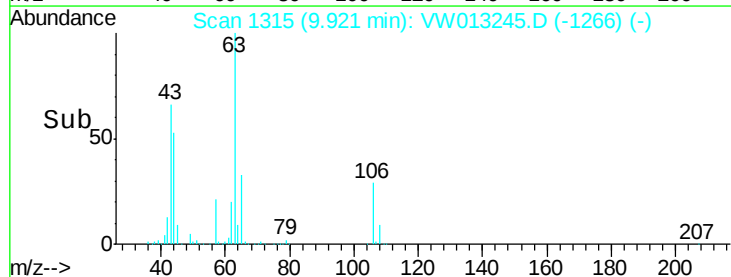
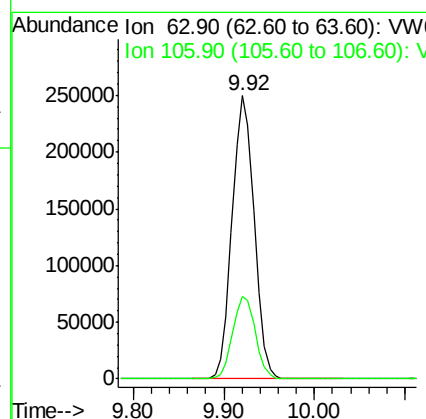
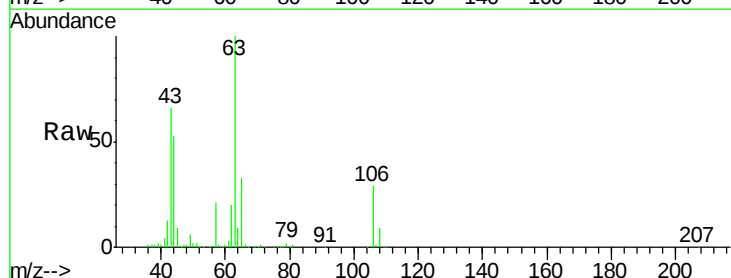
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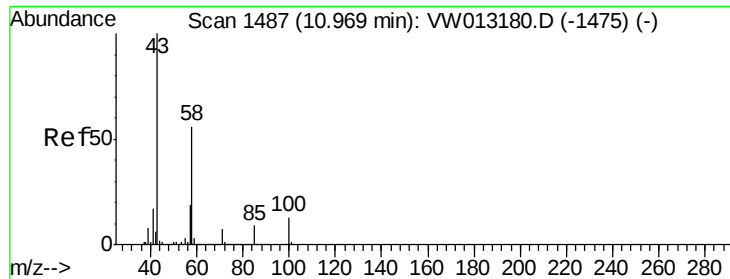
MMDadoda
 9/25/2019 12:35:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 296.138 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.4	35.0





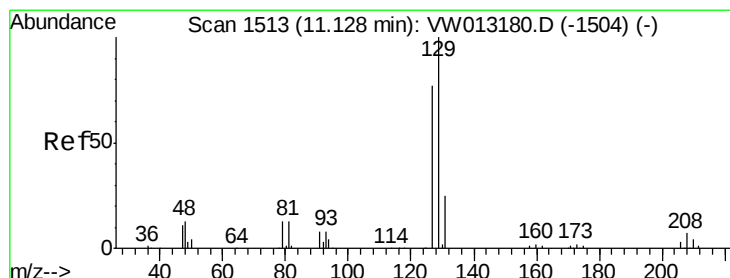
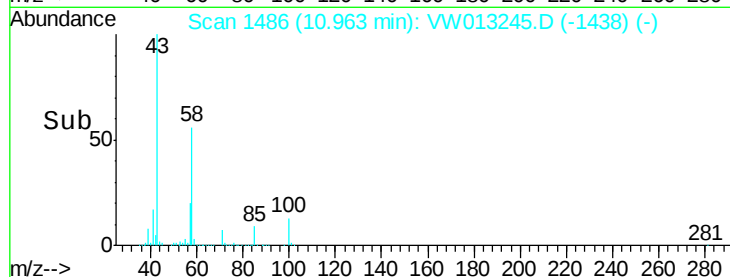
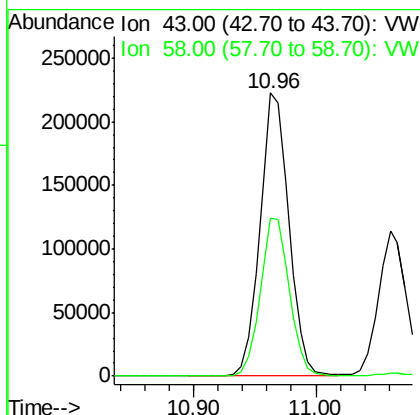
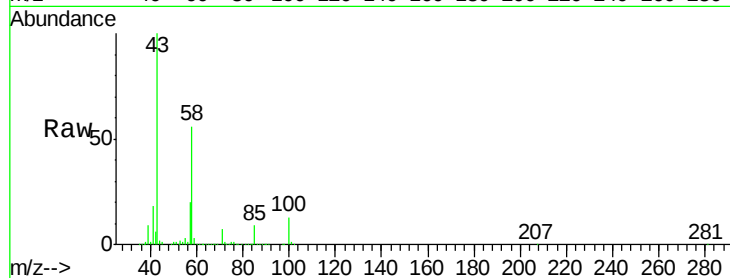
#59
2-Hexanone
Concen: 273.488 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 365971
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.2

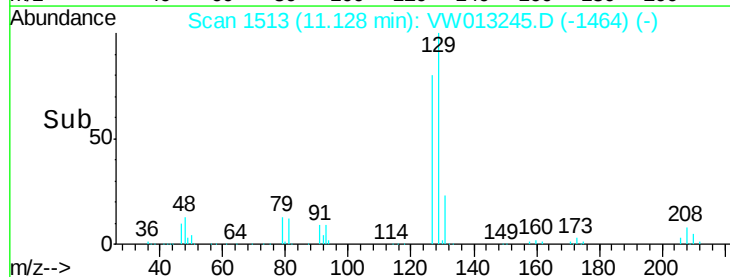
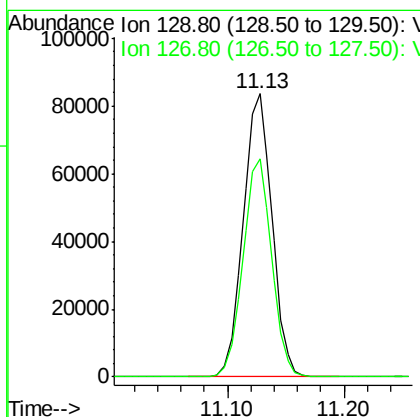
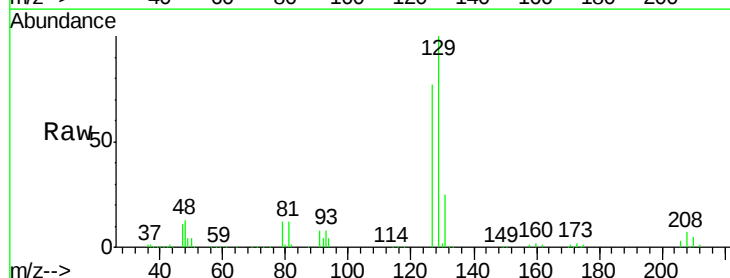
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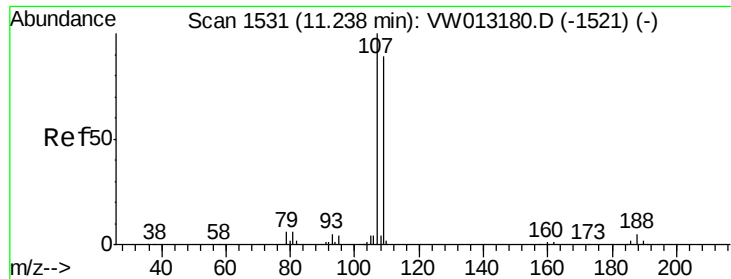
MMDadoda
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#60
Dibromochloromethane
Concen: 53.998 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion: 129 Resp: 144318
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.4





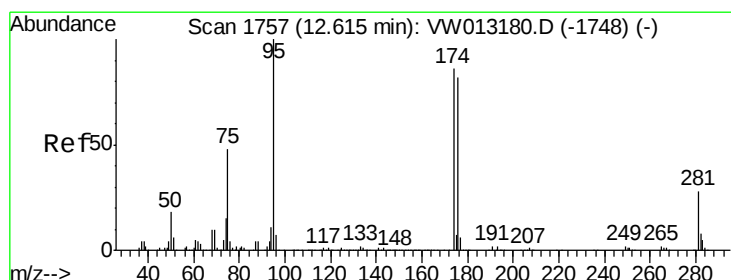
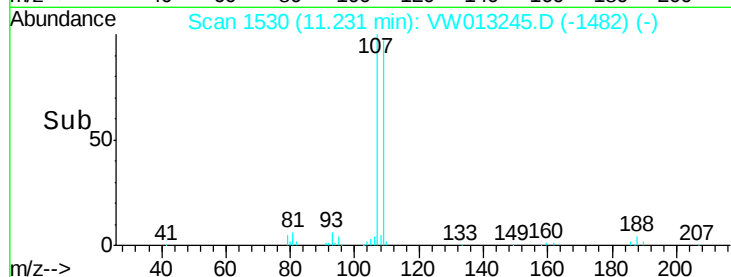
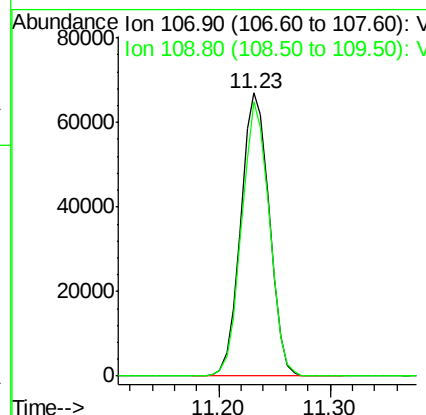
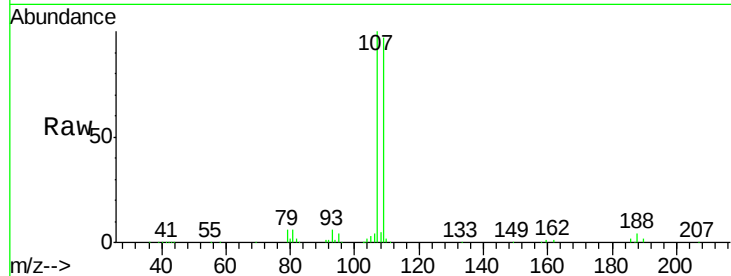
#61
 1,2-Dibromoethane
 Concen: 53.032 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	118682		
109	94.1	75.2	112.8	

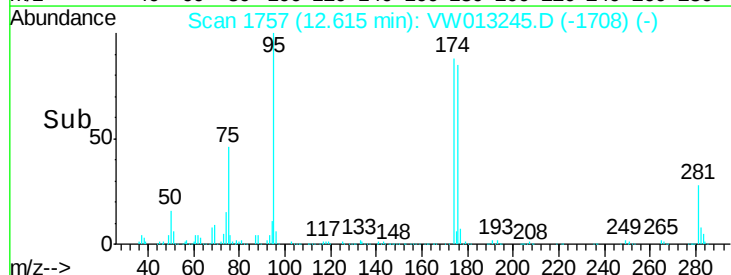
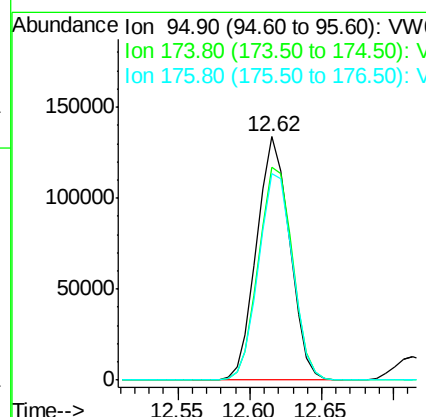
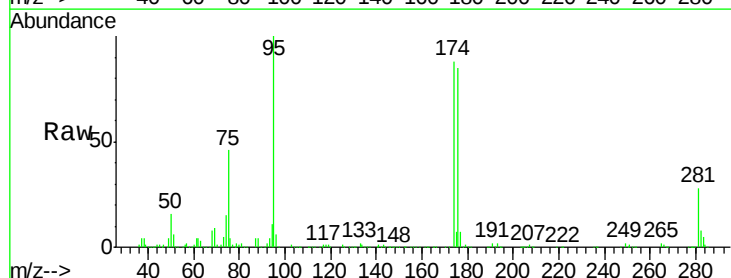
Manual Integrations
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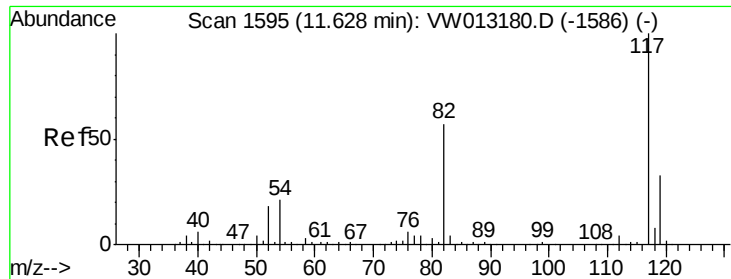
MMDadoda
 9/25/2019 12:35:44 AM



#62
 4-Bromofluorobenzene
 Concen: 54.889 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	212235		
174	90.3	0.0	178.4	
176	87.5	0.0	172.2	





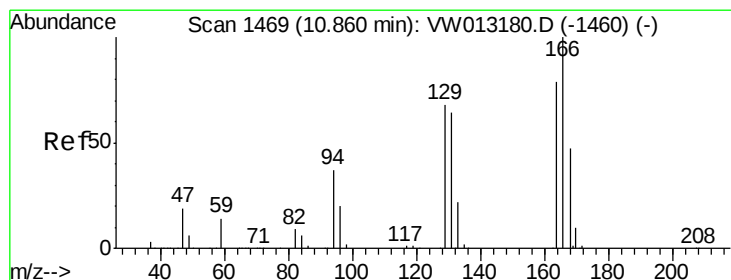
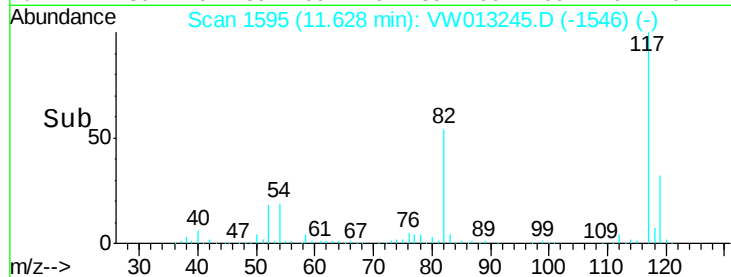
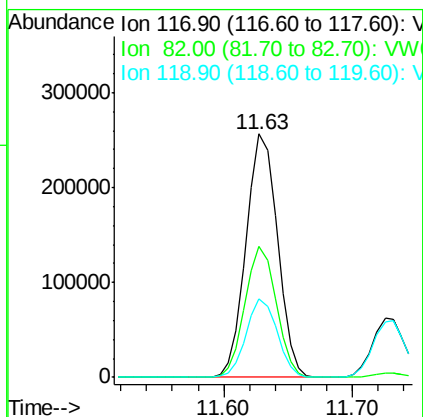
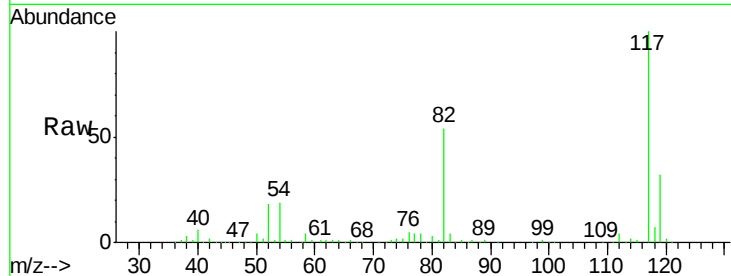
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.9	68.9
119	32.3	26.2	39.2

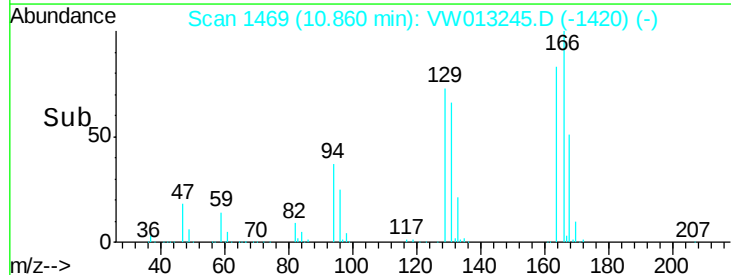
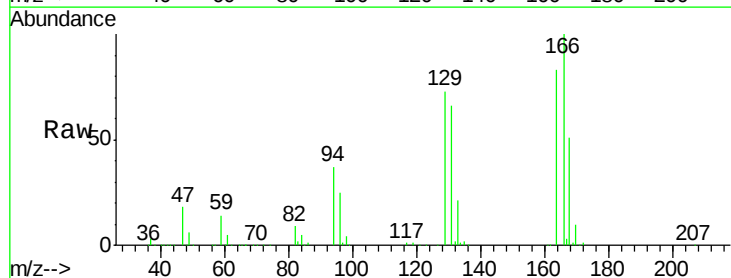
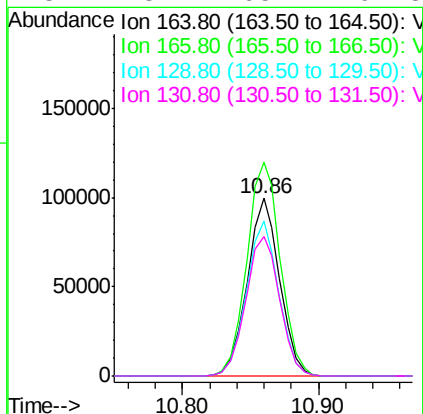
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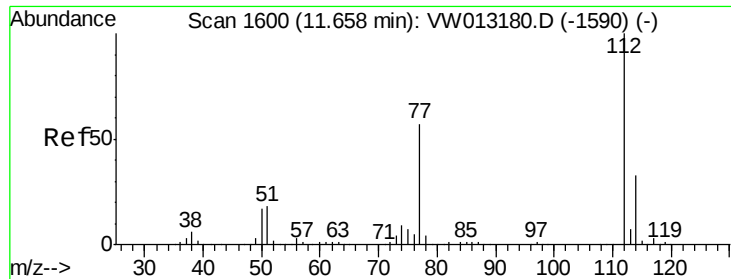
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#64
Tetrachloroethene
Concen: 50.357 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.1	101.2	151.8
129	87.4	68.8	103.2
131	78.7	65.2	97.8





#65

Chlorobenzene

Concen: 49.106 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 443709

Ion Ratio Lower Upper

112 100

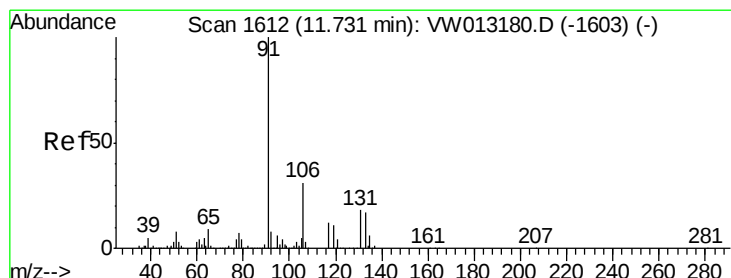
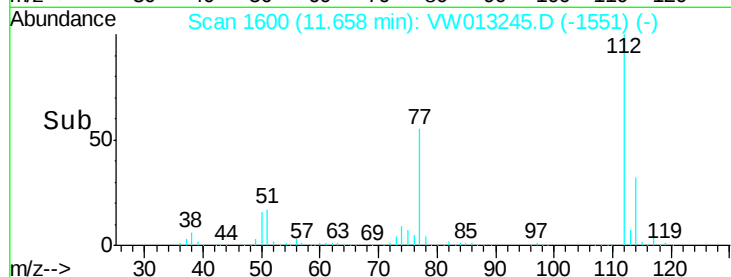
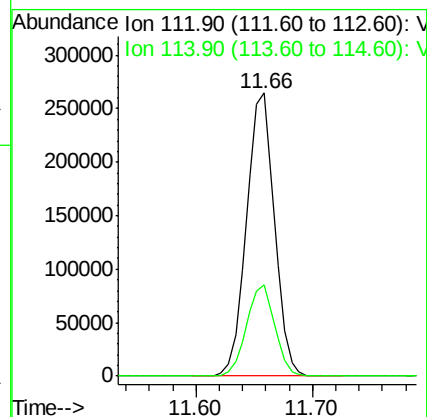
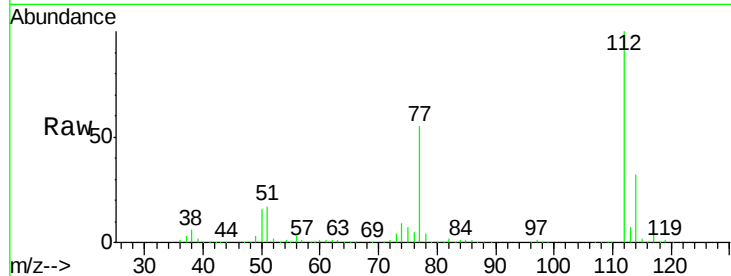
114 32.5 26.5 39.7

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.451 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

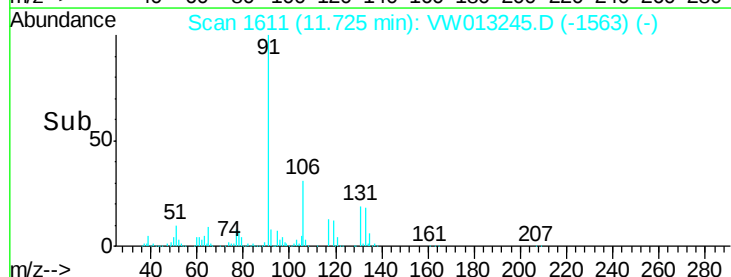
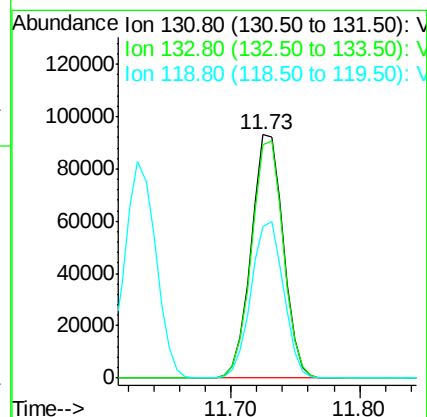
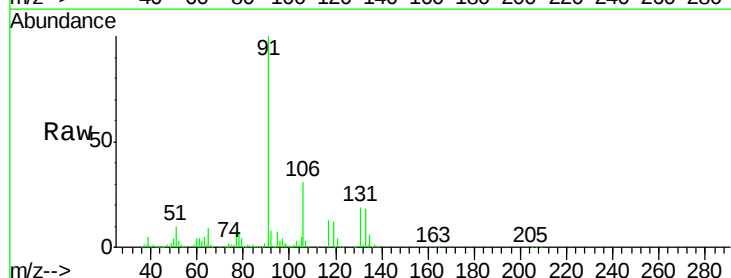
Tgt Ion:131 Resp: 158822

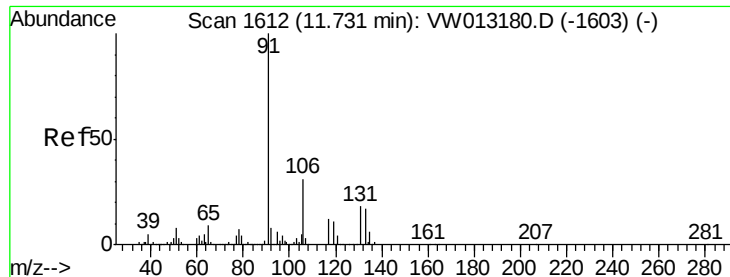
Ion Ratio Lower Upper

131 100

133 96.5 47.5 142.6

119 65.4 32.5 97.5





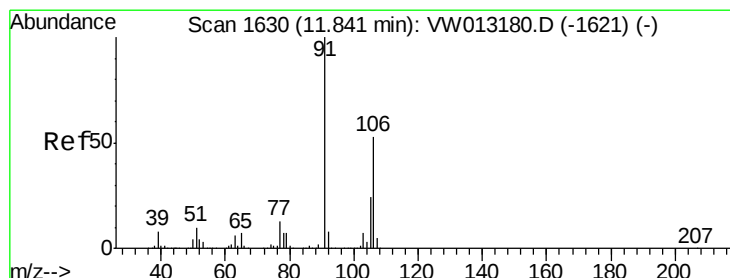
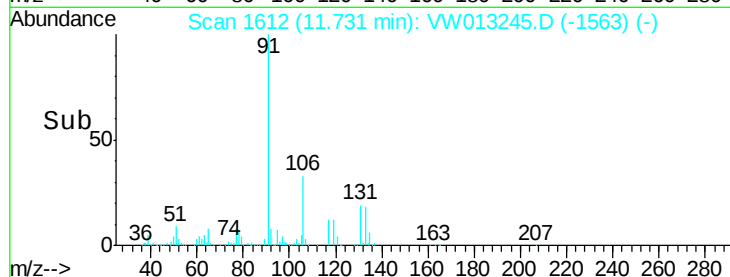
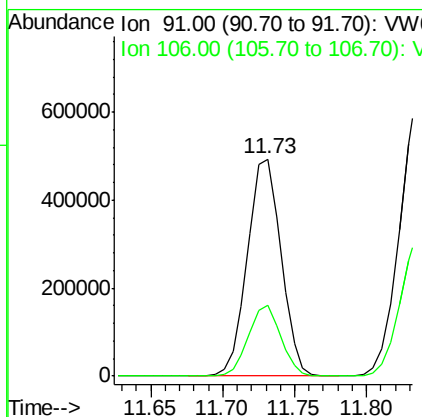
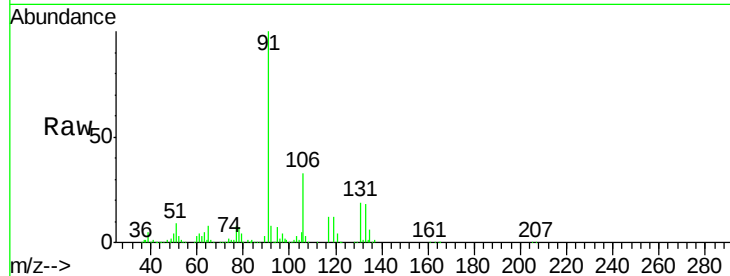
#67
Ethyl Benzene
Concen: 48.839 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	91	Resp	799570
Ion Ratio	Lower	Upper	
91	100		
106	32.5	24.9	37.3

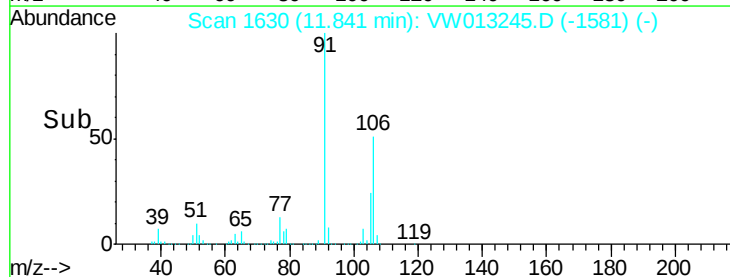
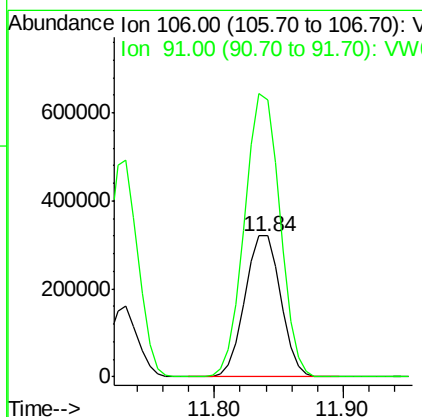
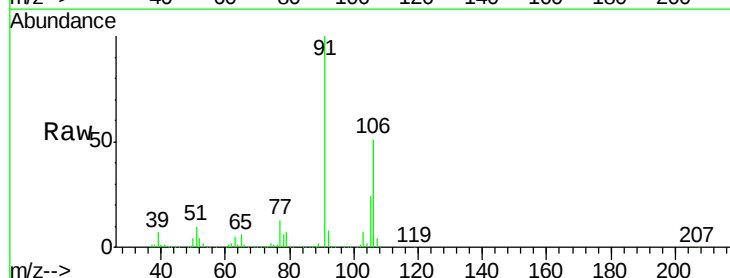
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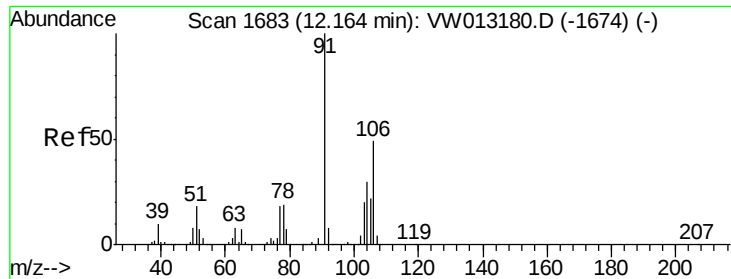
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#68
m/p-Xylenes
Concen: 98.702 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	106	Resp	615765
Ion Ratio	Lower	Upper	
106	100		
91	198.5	157.9	236.9





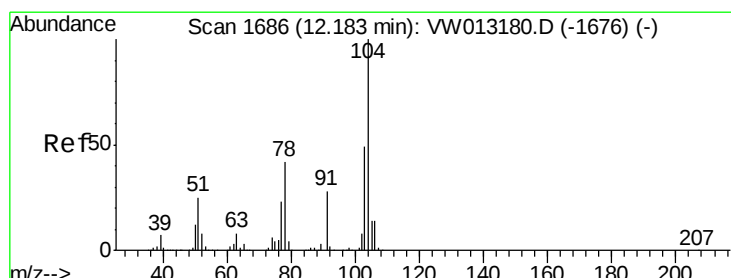
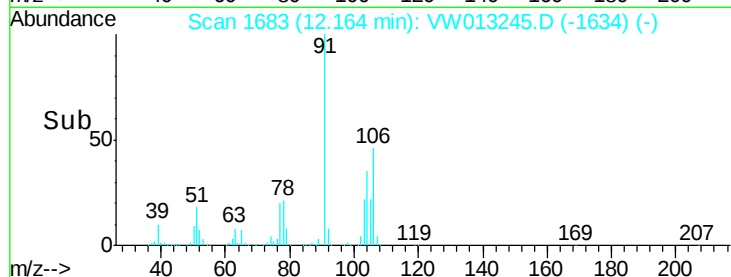
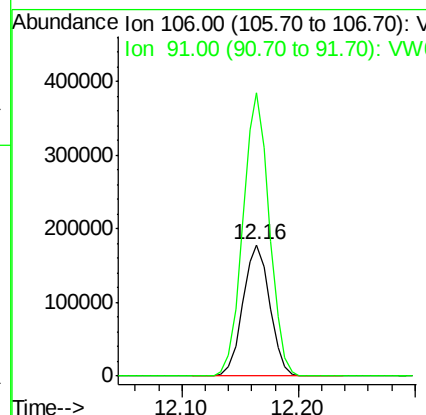
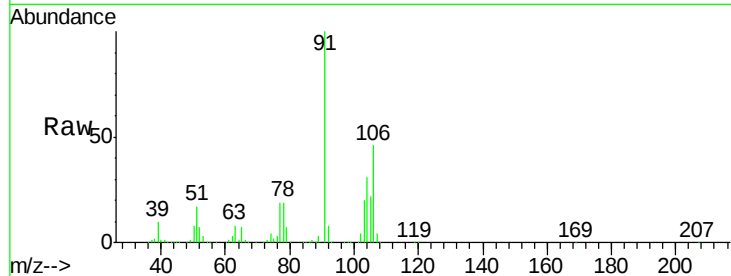
#69
o-Xylene
Concen: 49.450 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.9	106.5	319.5

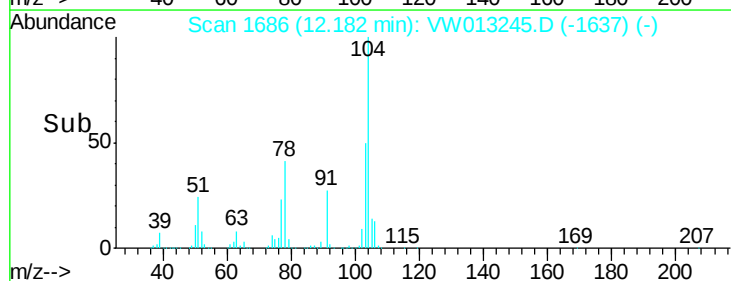
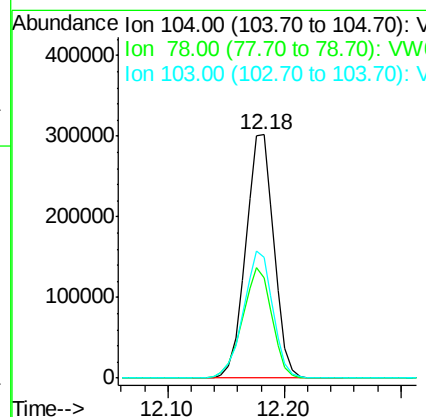
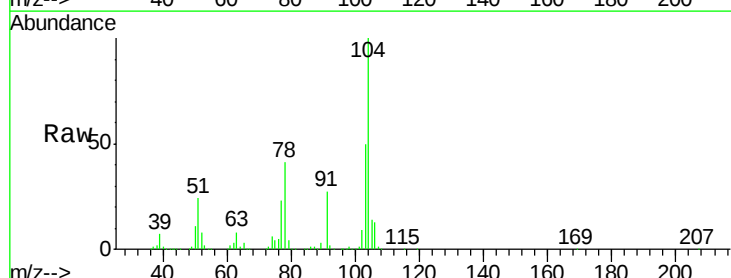
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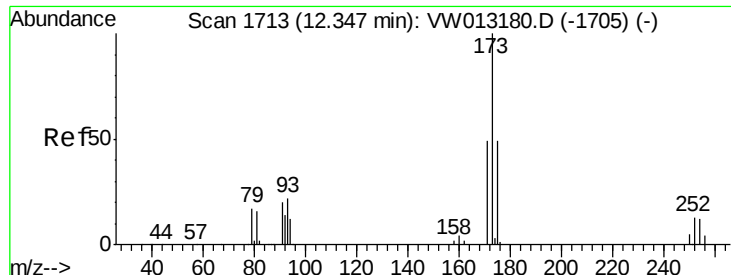
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#70
Styrene
Concen: 51.071 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.4	57.6
103	54.4	43.3	64.9





#71

Bromoform

Concen: 54.675 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 89164

Ion Ratio Lower Upper

173 100

175 48.8 24.3 73.0

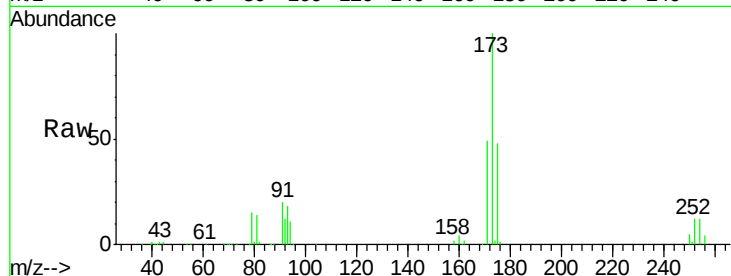
254 0.0 0.1 0.1#

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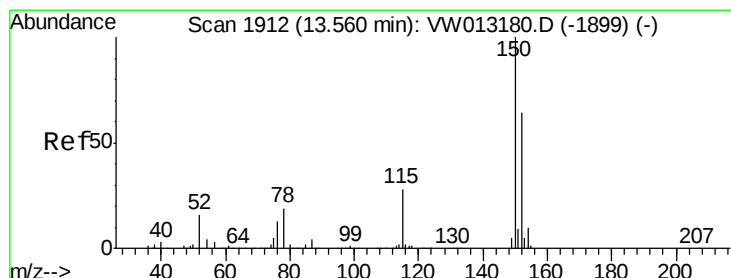
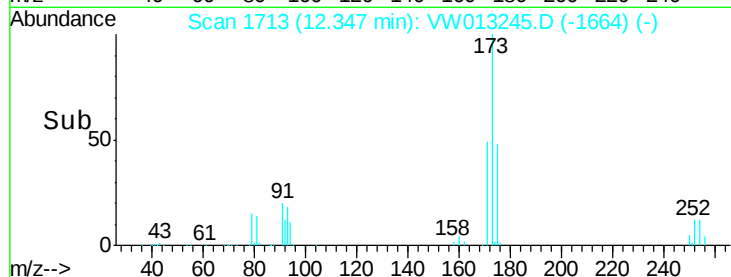
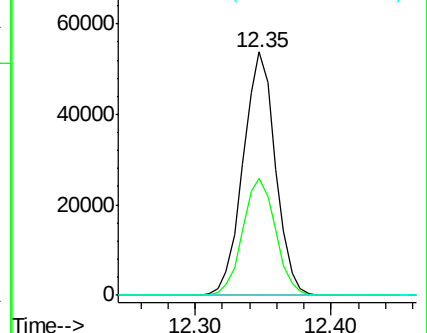
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

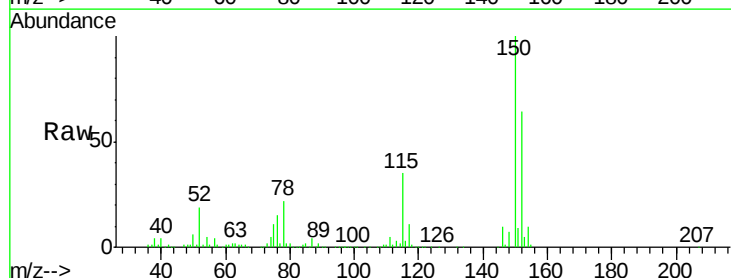
Tgt Ion:152 Resp: 221660

Ion Ratio Lower Upper

152 100

115 55.5 27.3 81.9

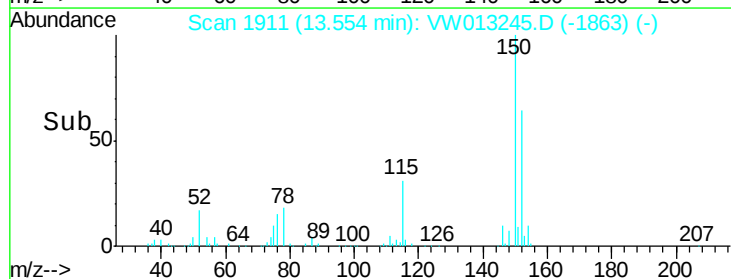
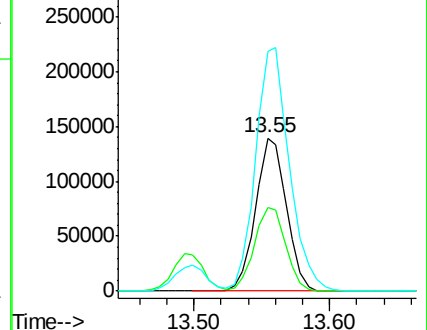
150 174.2 0.0 349.0

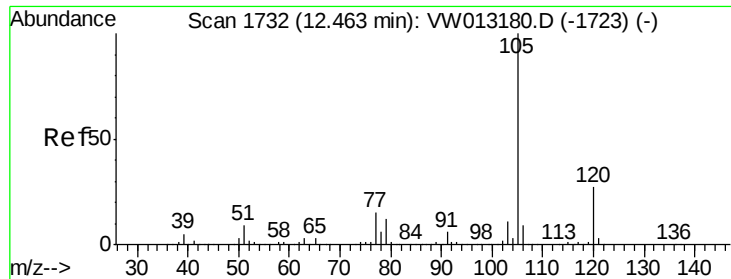


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.073 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 787165

Ion Ratio Lower Upper

105 100

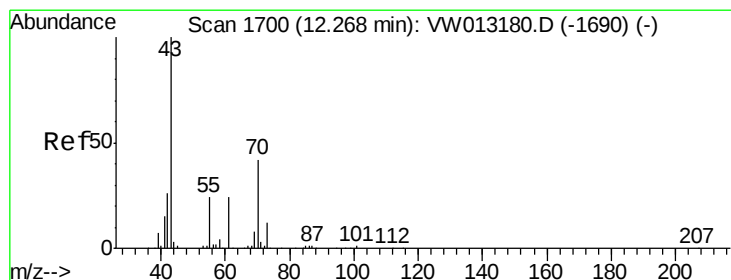
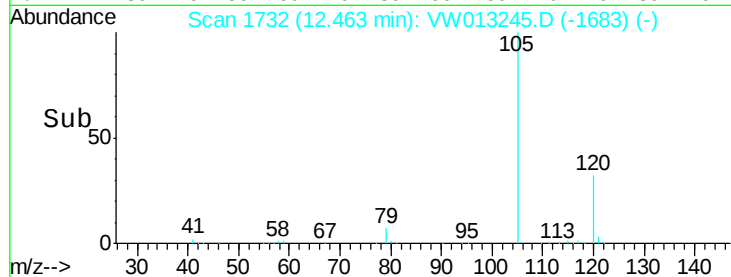
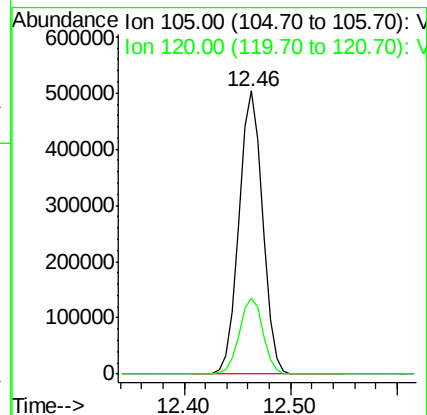
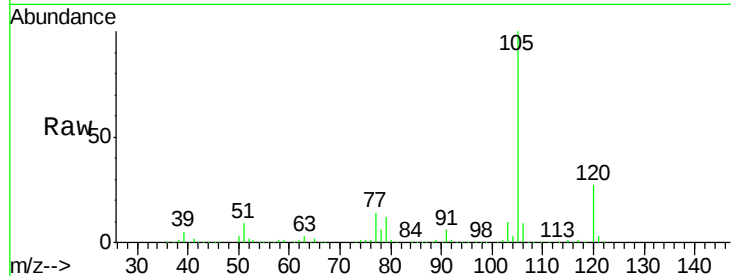
120 26.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 53.407 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion: 43 Resp: 194051

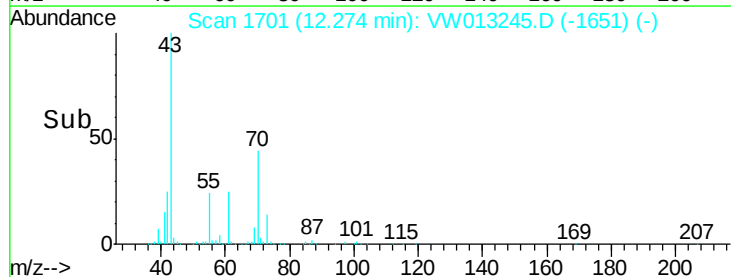
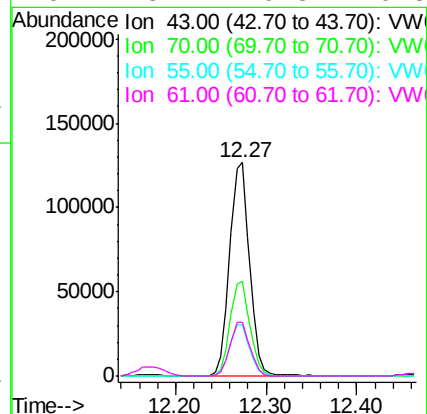
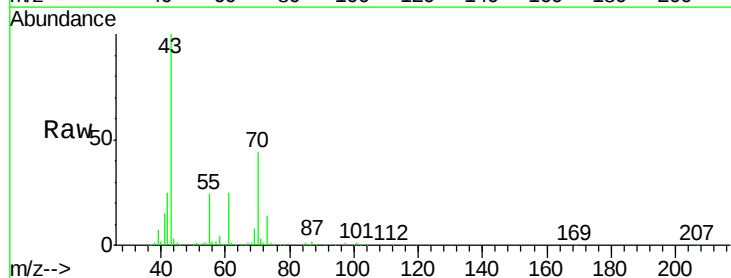
Ion Ratio Lower Upper

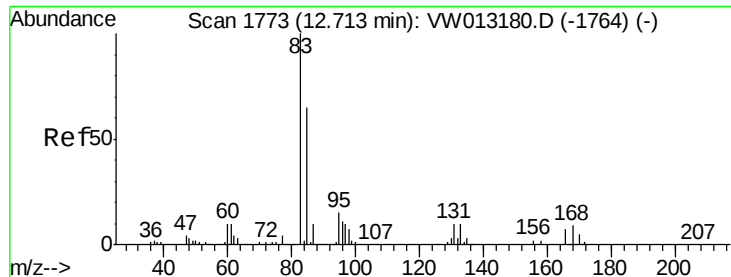
43 100

70 44.1 35.1 52.7

55 24.4 19.9 29.9

61 25.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 52.007 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

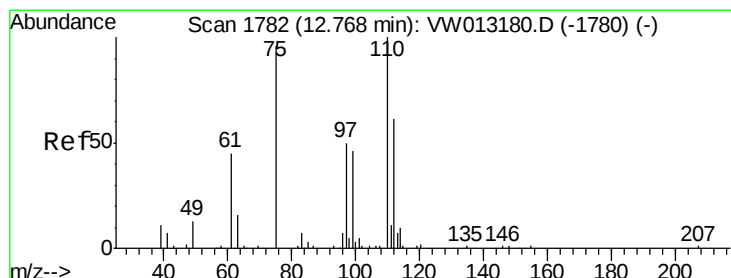
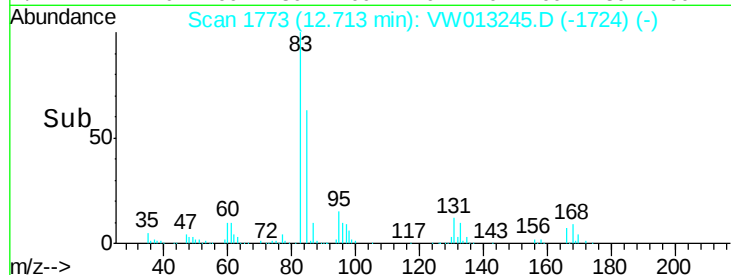
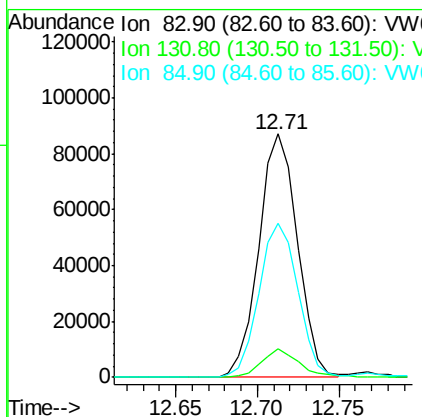
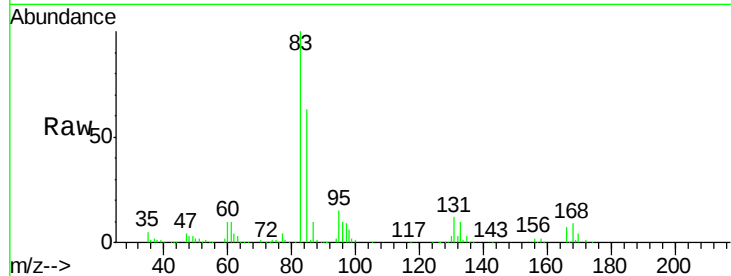
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142418
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	64.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.546 ug/l m

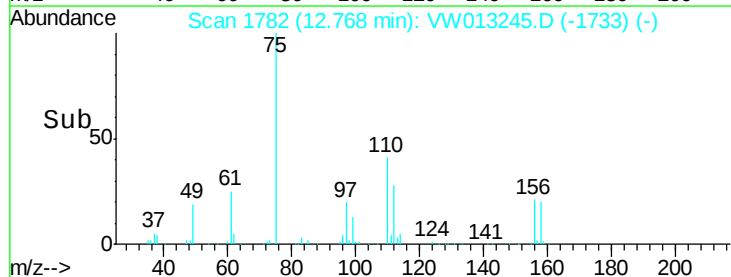
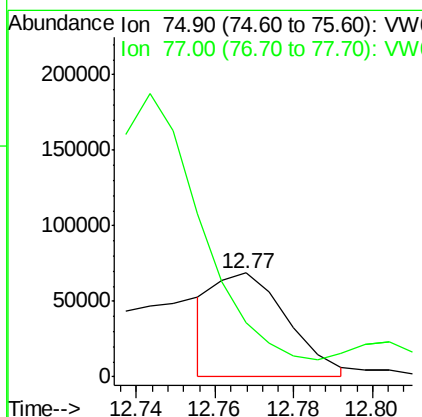
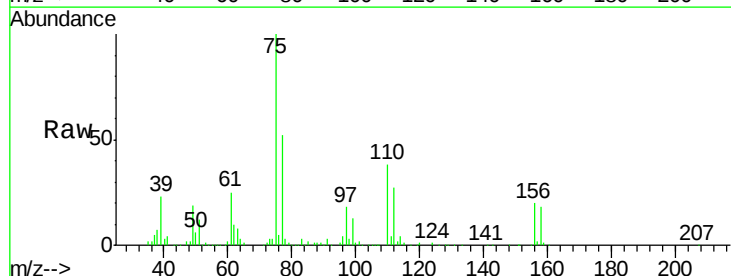
RT: 12.77 min Scan# 1782

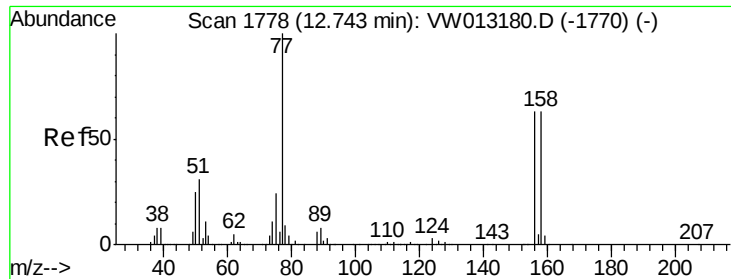
Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Tgt Ion:	75	Resp:	89159
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.217 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

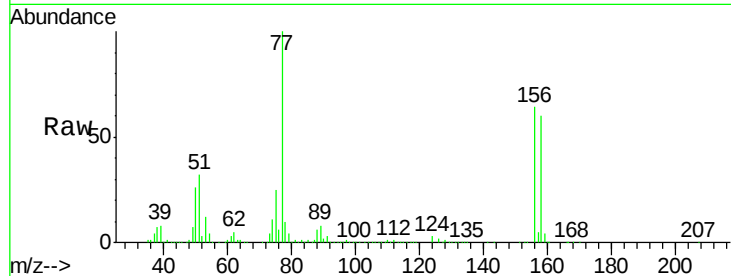
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	194855
Ion Ratio	Lower	Upper	
156	100		
77	174.8	85.7	257.1
158	96.0	48.1	144.4

Manual Integrations
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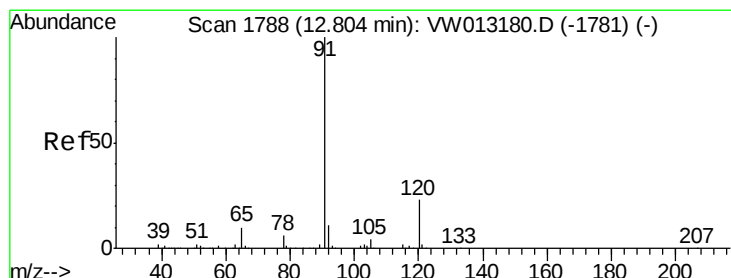
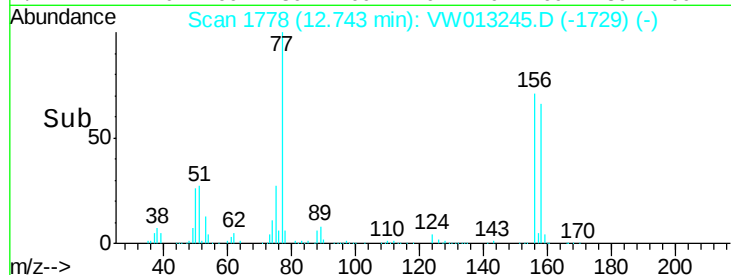
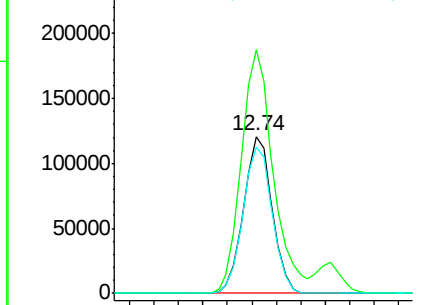
MMDadoda
9/25/2019 12:35:44 AM



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: 48.103 ug/l

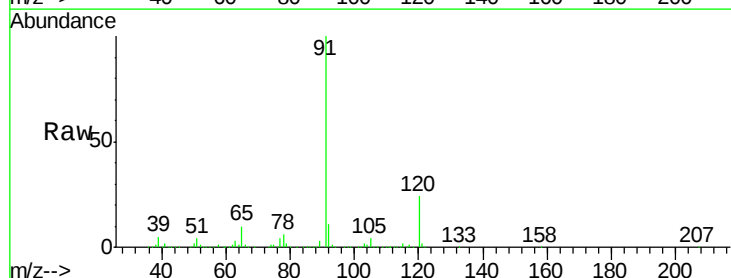
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013245.D

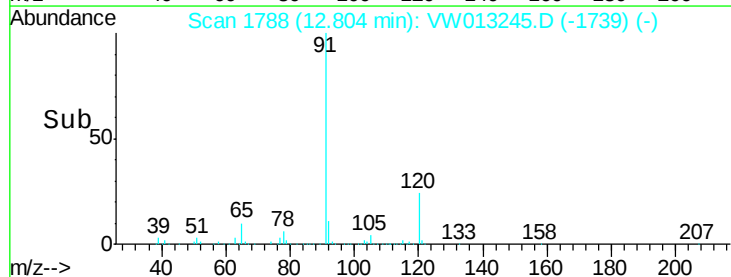
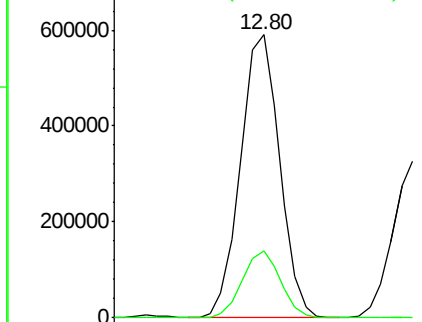
Acq: 23 Sep 2019 22:07

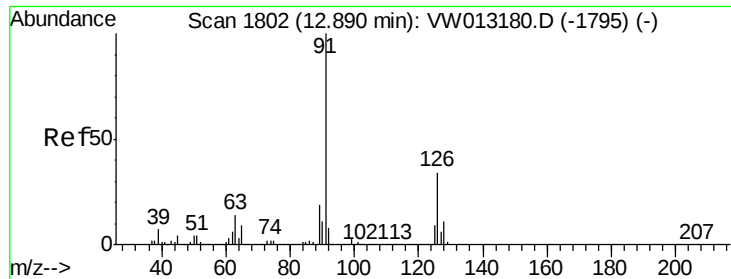
Tgt Ion:	91	Resp:	921978
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.947 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 525578

Ion Ratio Lower Upper

91 100

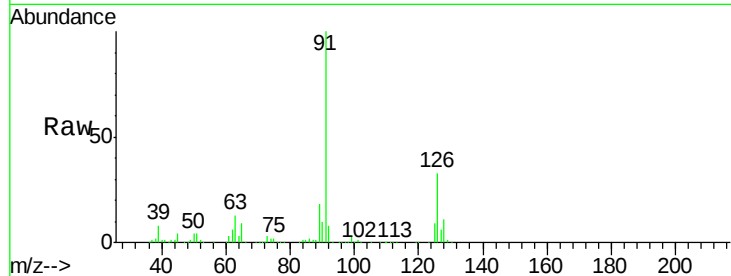
126 34.0 17.2 51.5

Manual Integrations

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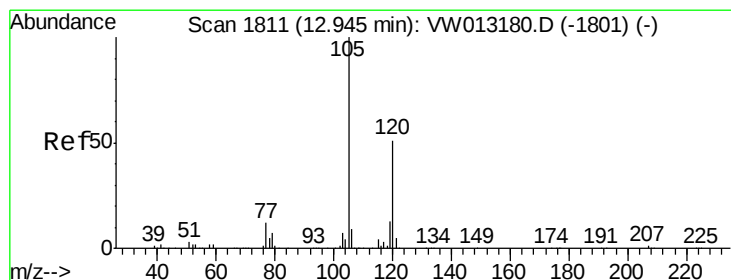
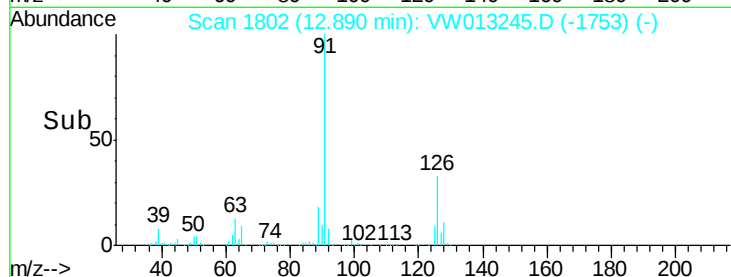
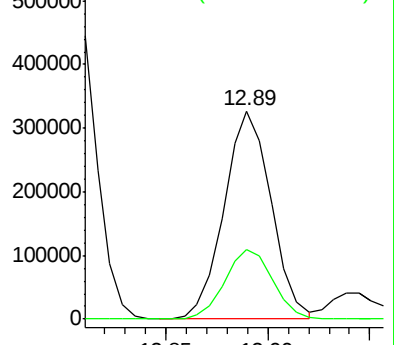
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.272 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013245.D

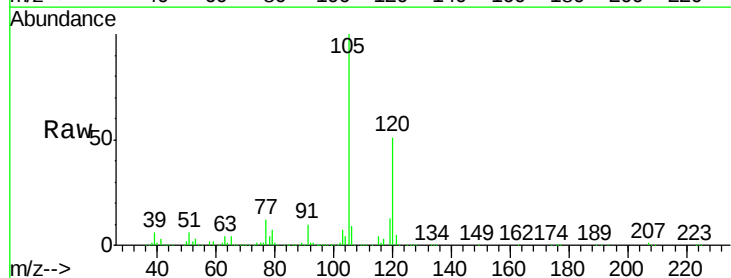
Acq: 23 Sep 2019 22:07

Tgt Ion:105 Resp: 664424

Ion Ratio Lower Upper

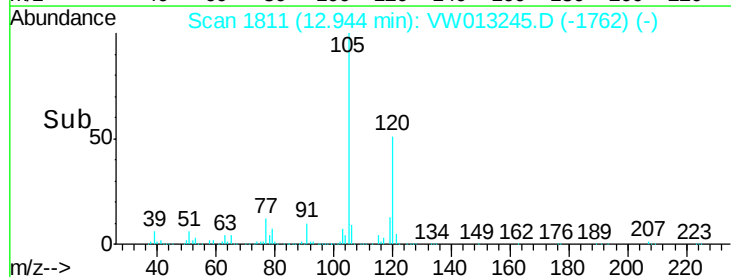
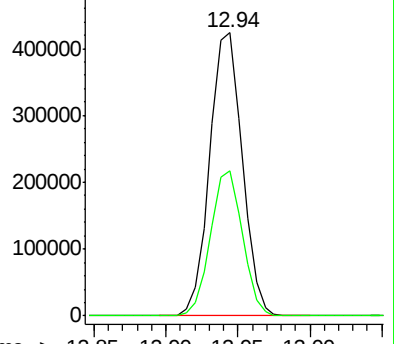
105 100

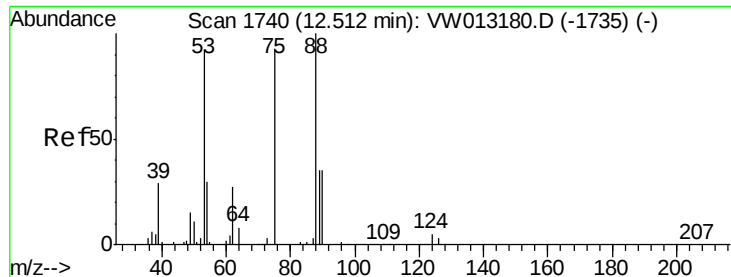
120 50.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.874 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 46126

Ion Ratio Lower Upper

75 100

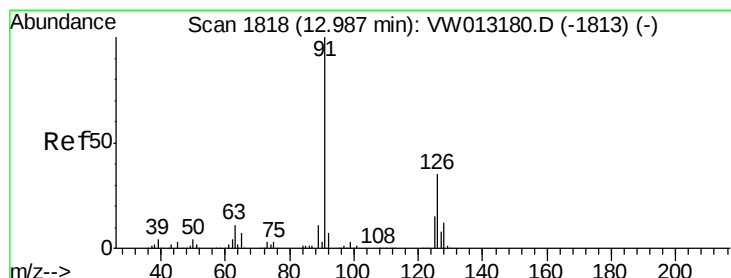
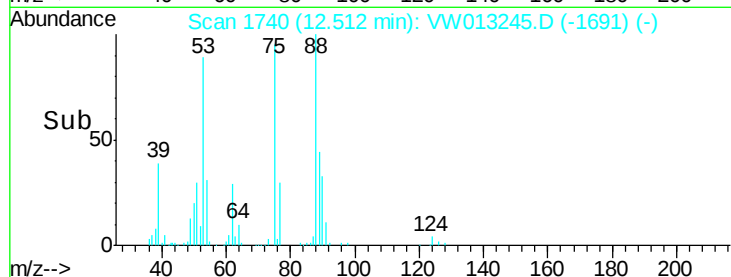
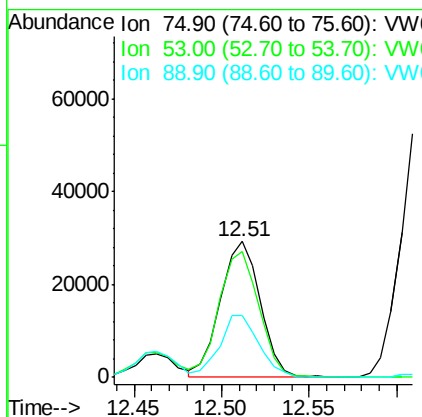
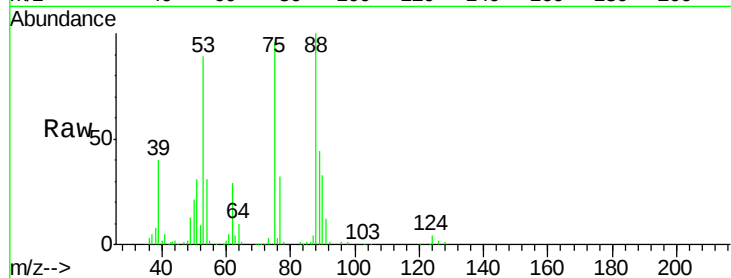
53 93.8 76.6 114.8

89 45.6 33.5 50.3

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#82

4-Chlorotoluene

Concen: 48.647 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013245.D

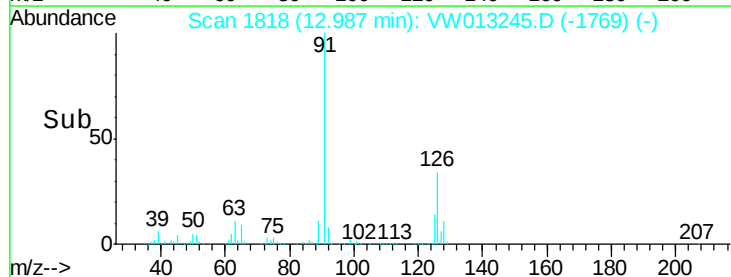
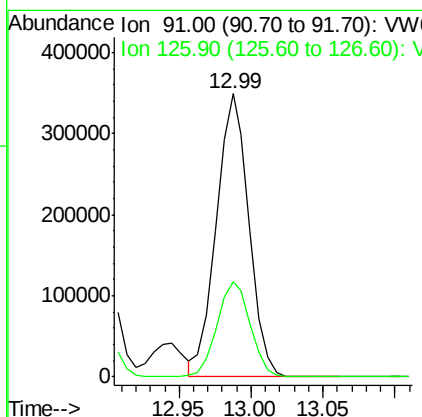
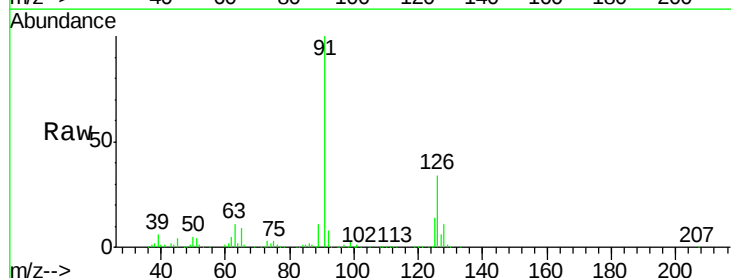
Acq: 23 Sep 2019 22:07

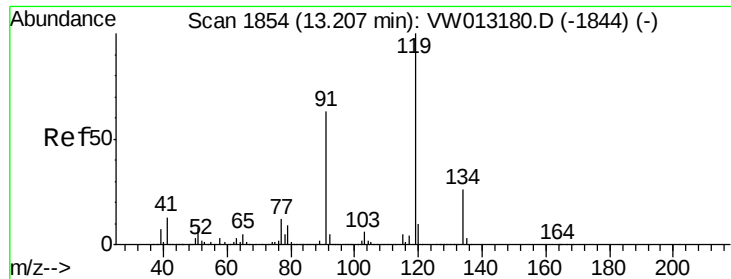
Tgt Ion: 91 Resp: 550850

Ion Ratio Lower Upper

91 100

126 34.3 17.3 51.7





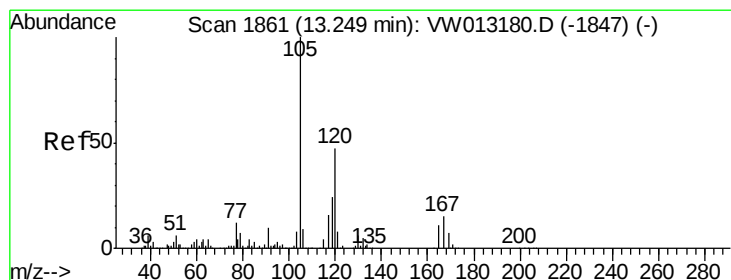
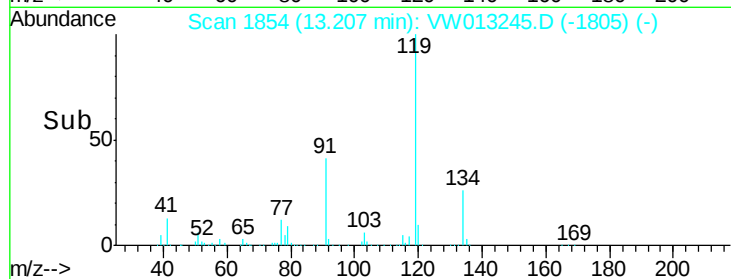
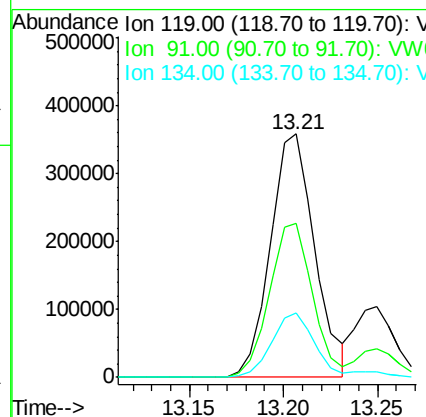
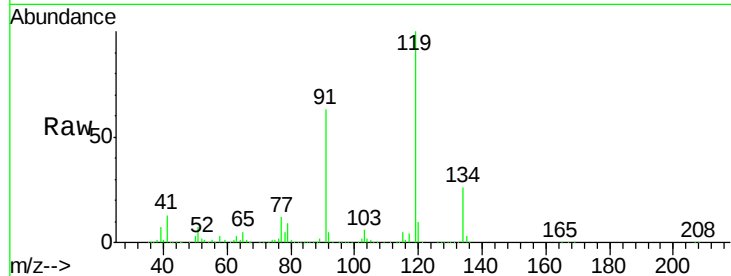
#83
 tert-Butylbenzene
 Concen: 48.458 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	585417		
91	61.7		30.7	92.1
134	25.7		12.6	37.6

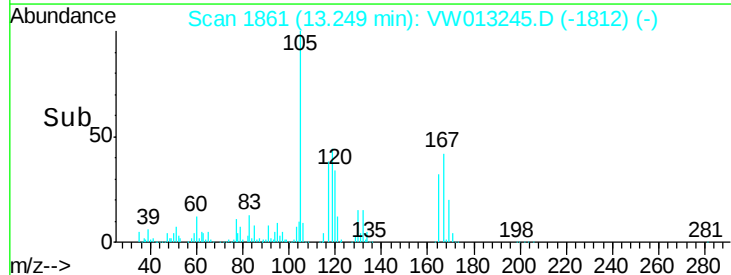
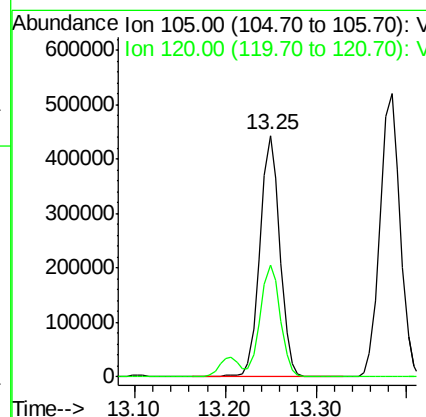
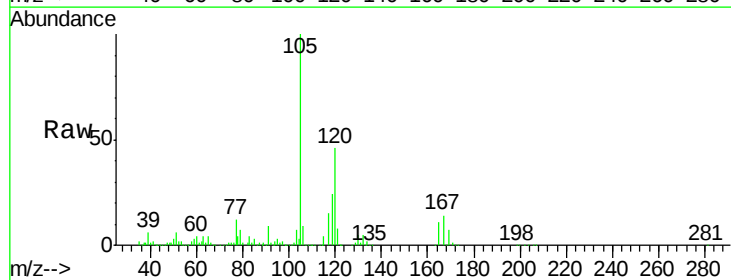
Manual Integrations
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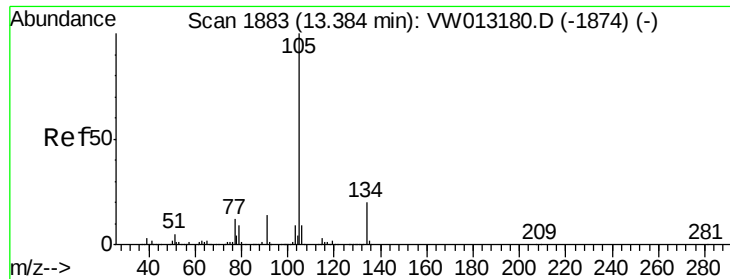
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.259 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	674682		
120	46.8		23.4	70.3





#85

sec-Butylbenzene

Concen: 47.794 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 796055

Ion Ratio Lower Upper

105 100

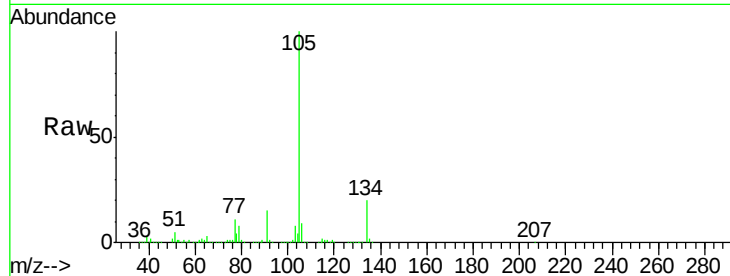
134 20.8 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

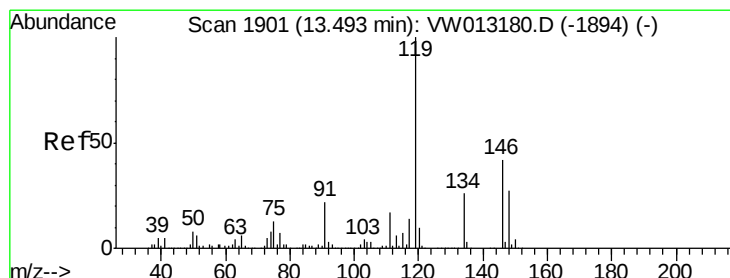
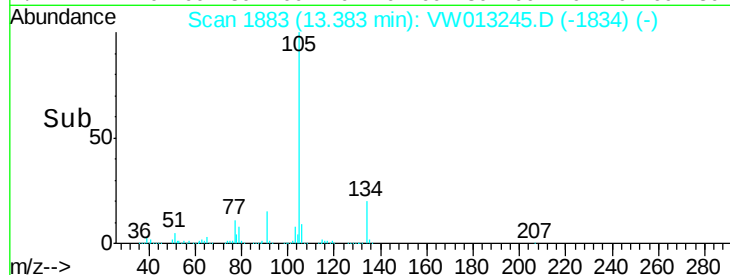
200000

100000

0

13.38

Time-->



#86

p-Isopropyltoluene

Concen: 48.273 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW013245.D

Acq: 23 Sep 2019 22:07

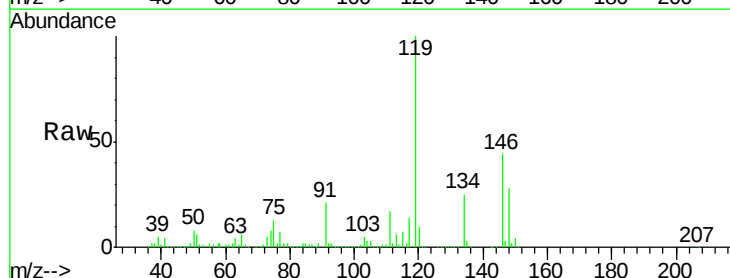
Tgt Ion:119 Resp: 745752

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 21.5 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

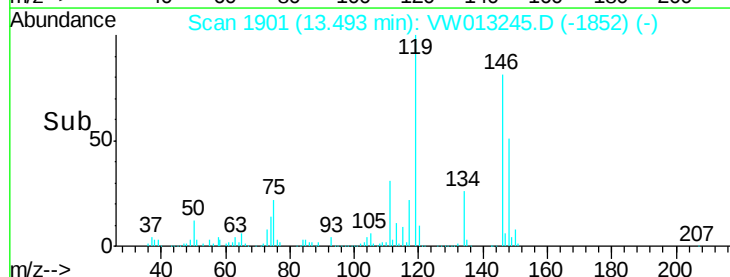
200000

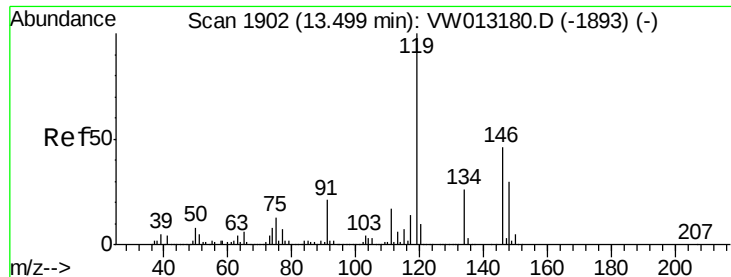
100000

0

13.49

Time-->





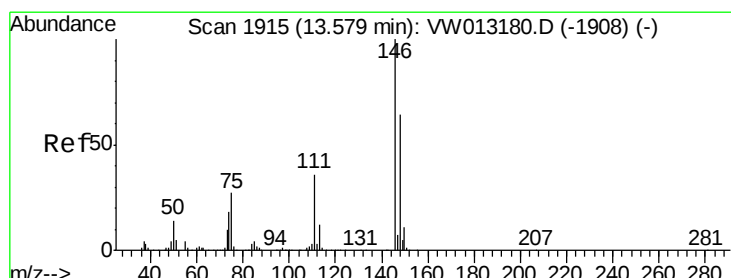
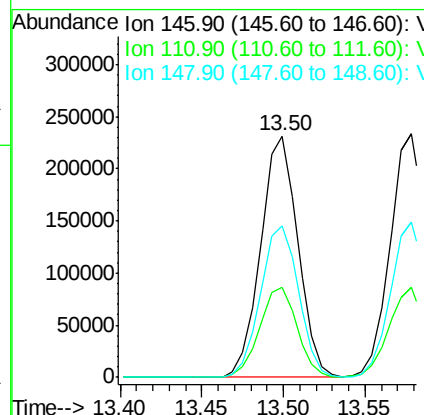
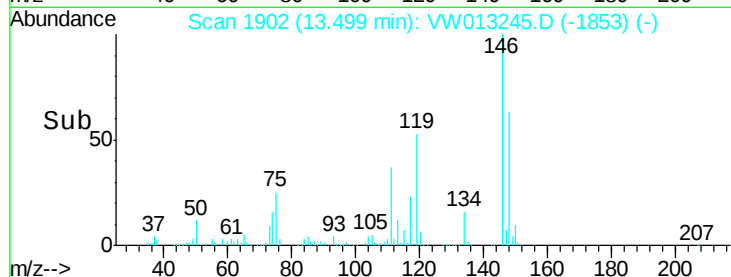
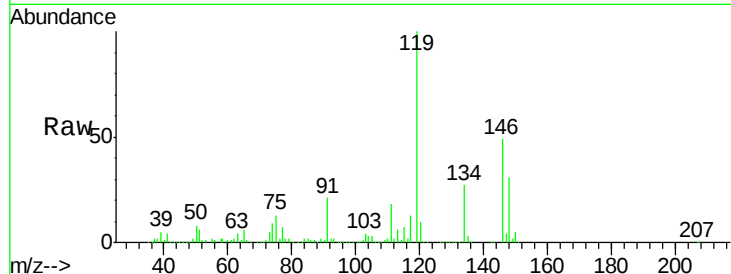
#87
 1,3-Dichlorobenzene
 Concen: 49.308 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	368220		
111	37.7	18.9	56.9	
148	64.2	31.9	95.5	

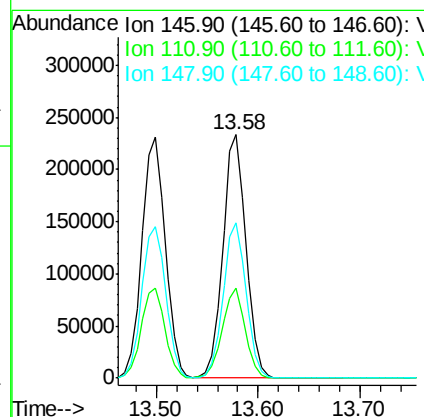
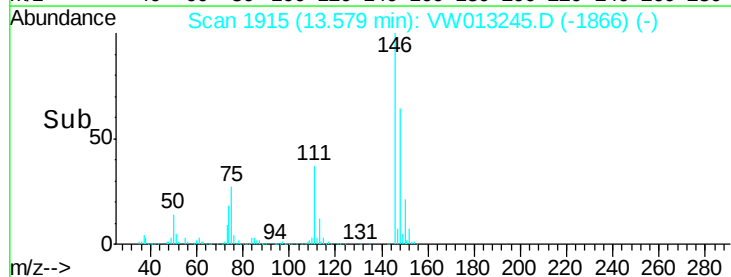
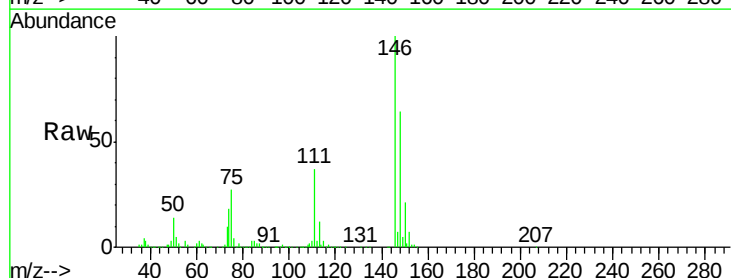
Manual Integrations
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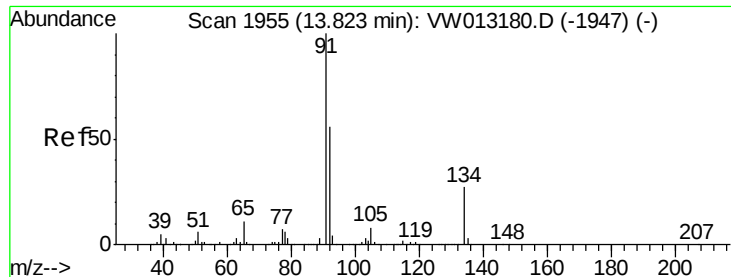
MMDadoda
 9/25/2019 12:35:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.248 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	368014		
111	36.8	18.4	55.0	
148	63.5	32.1	96.3	





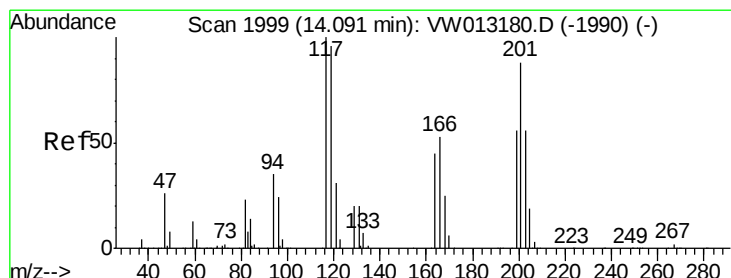
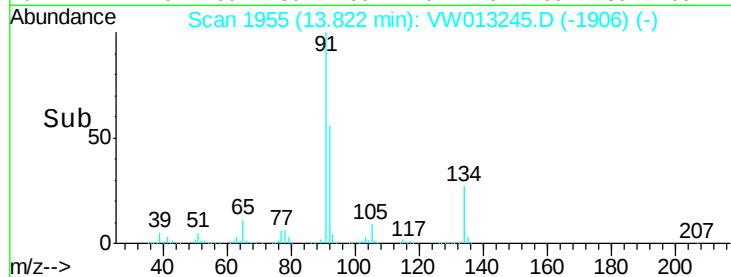
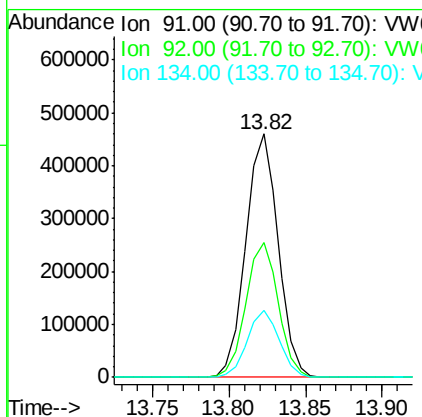
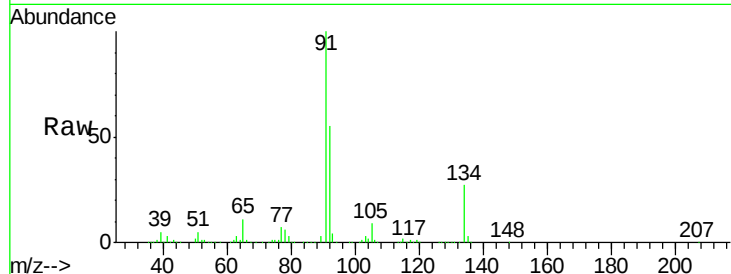
#89
n-Butylbenzene
Concen: 47.920 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.6	82.8
134	27.2	13.7	41.1

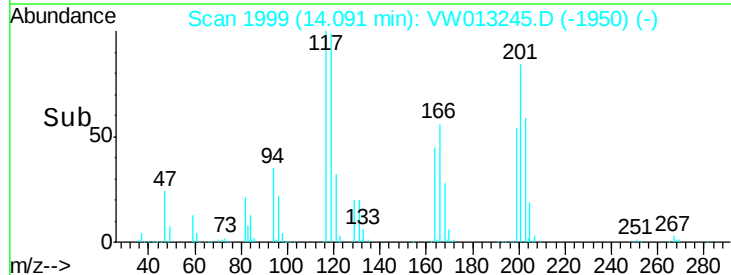
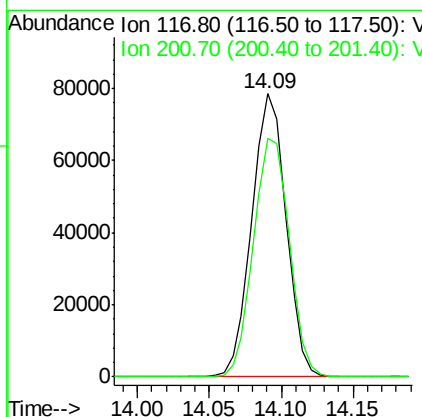
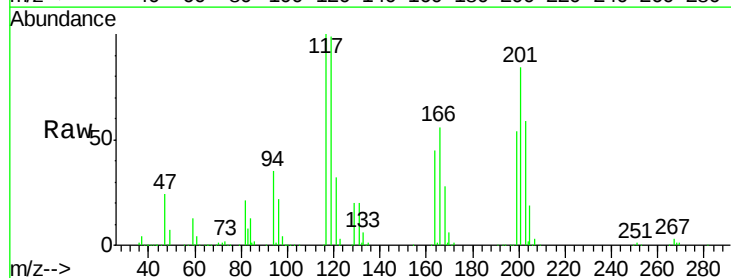
Manual Integrations
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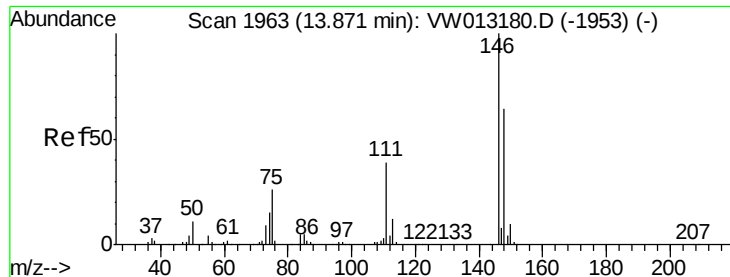
MMDadoda
9/25/2019 12:35:44 AM



#90
Hexachloroethane
Concen: 49.673 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	44.5	133.5





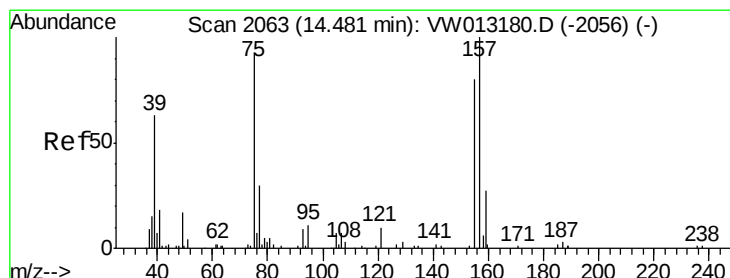
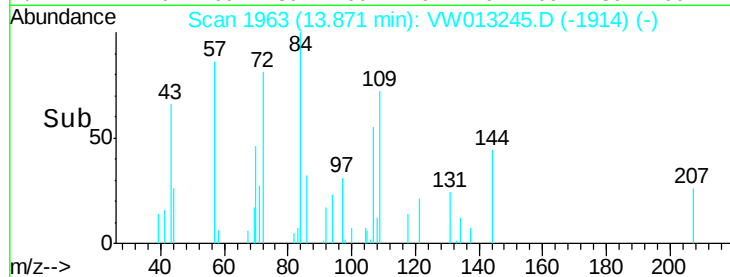
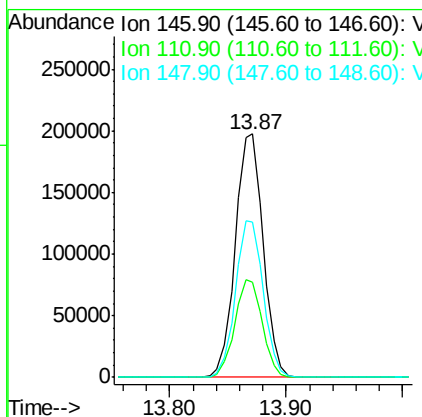
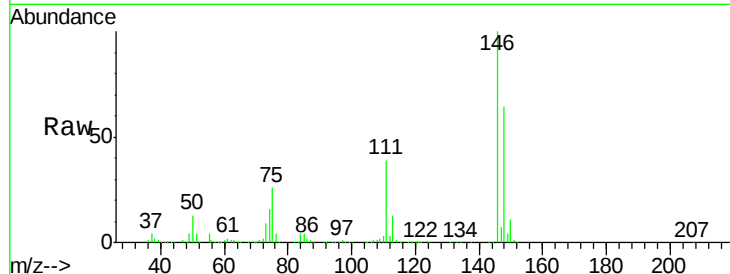
#91
 1,2-Dichlorobenzene
 Concen: 50.820 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	328329		
111	39.8		20.1	60.3
148	64.3		32.0	96.0

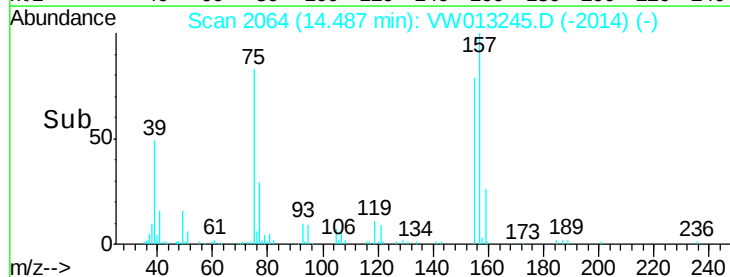
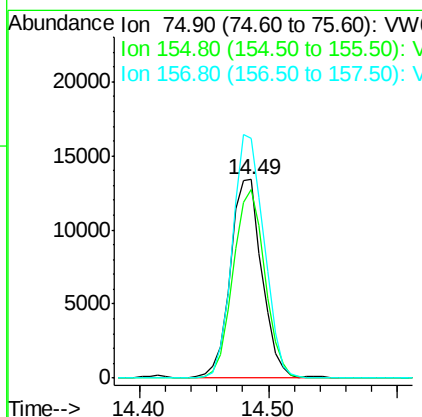
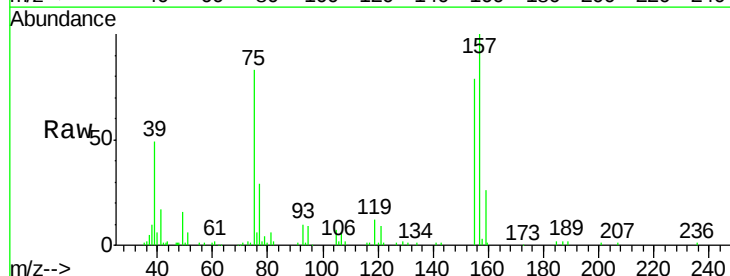
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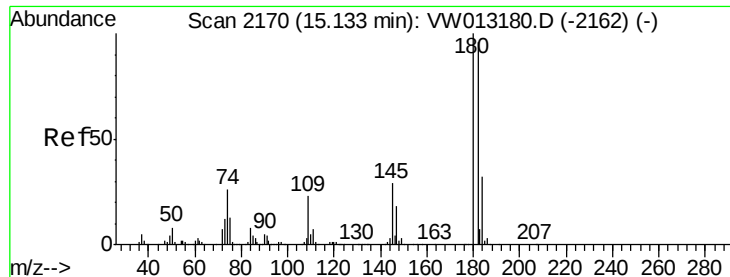
MMDadoda
 9/25/2019 12:35:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.908 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22999		
155	94.7		46.1	138.3
157	121.7		60.4	181.2





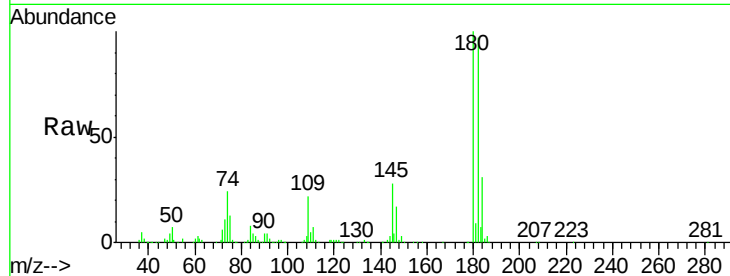
#93
 1,2,4-Trichlorobenzene
 Concen: 52.618 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

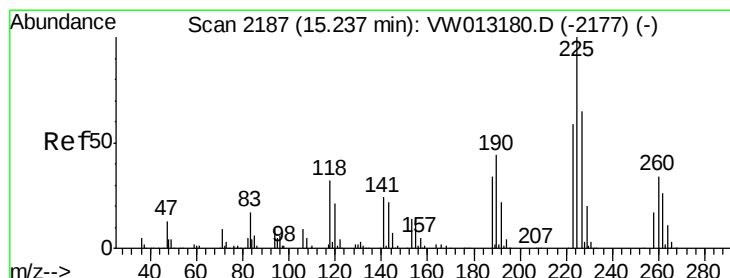
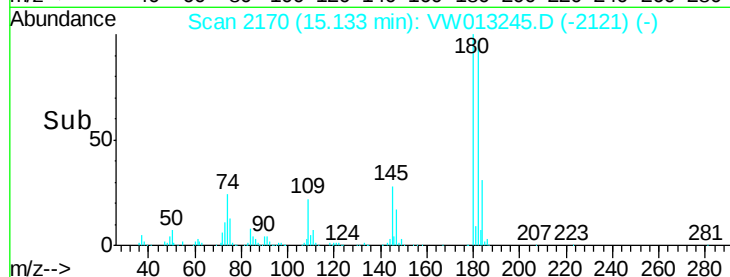
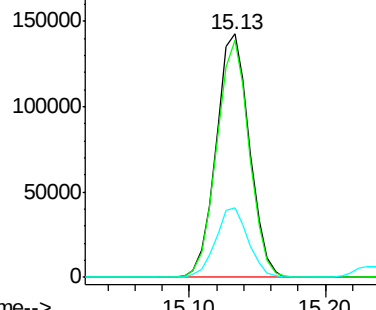
Tot Ion	Ratio	Resp	Lower	Upper
180	100	243594		
182	95.0	47.3	142.0	
145	28.0	14.2	42.8	

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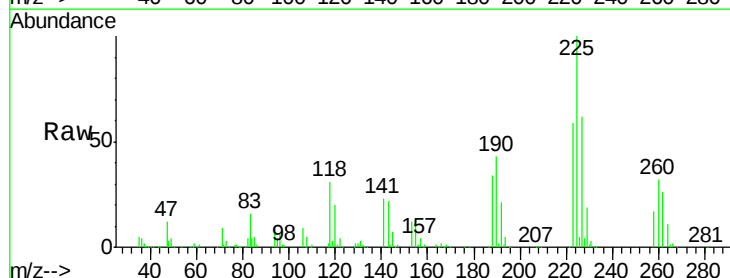


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

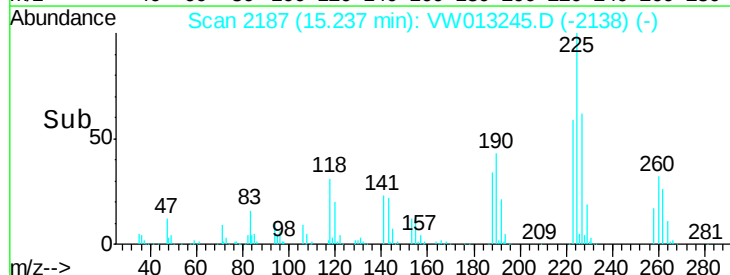
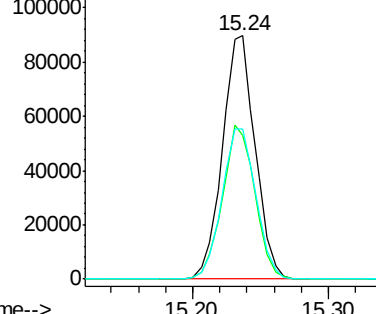


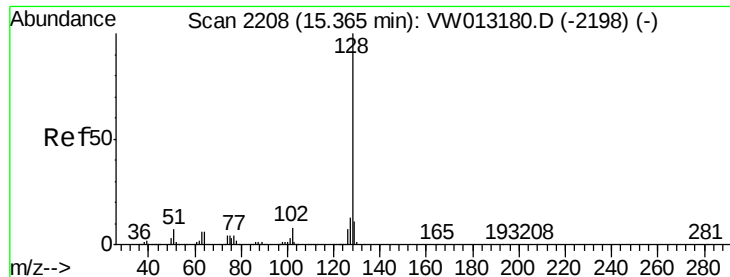
#94
 Hexachlorobutadiene
 Concen: 47.742 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013245.D
 Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151209		
223	62.6	30.6	91.8	
227	64.2	31.9	95.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





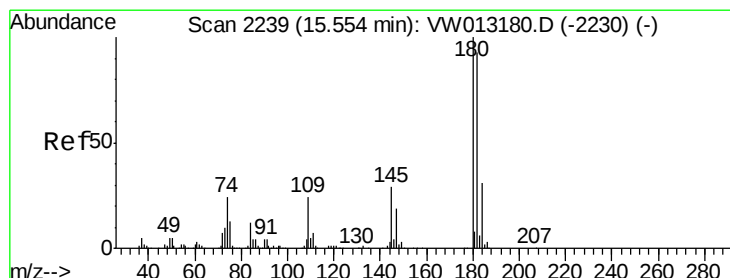
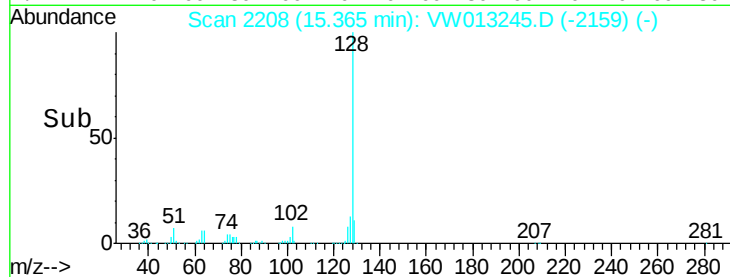
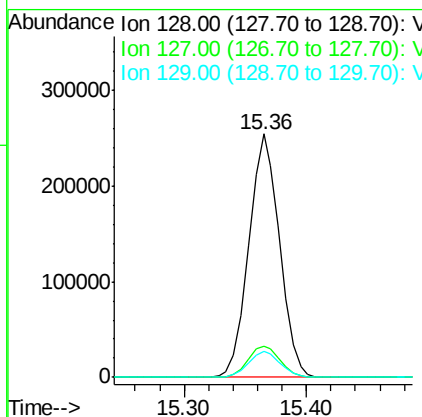
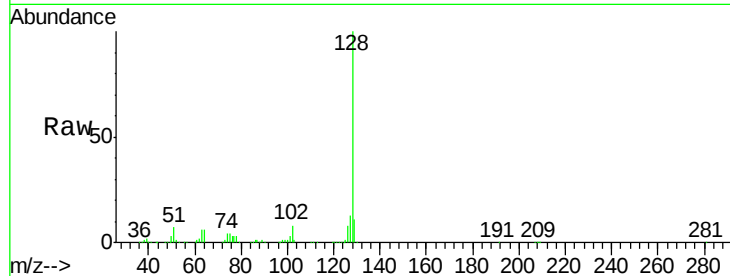
#95
Naphthalene
Concen: 58.590 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	443620		
127	13.2		10.6	15.8
129	11.0		8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 54.478 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013245.D
Acq: 23 Sep 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	217923		
182	94.7		47.9	143.7
145	29.8		15.0	45.0

