

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013289.D
 Acq On : 25 Sep 2019 10:02
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 3:33:06 PM

Quant Time: Sep 25 17:26:50 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	383619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	548859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	235518	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	152538	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.88	113	159571	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.32	98	658625	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.62	95	224269	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	92784	41.930	ug/l	96
3) Chloromethane	2.21	50	124698	43.837	ug/l	98
4) Vinyl Chloride	2.36	62	171621	46.799	ug/l	98
5) Bromomethane	2.78	94	107375	46.203	ug/l	93
6) Chloroethane	2.92	64	101609	47.006	ug/l	94
7) Trichlorofluoromethane	3.26	101	98324	46.498	ug/l	99
8) Diethyl Ether	3.68	74	81943	45.367	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	163567	47.511	ug/l	99
10) Methyl Iodide	4.27	142	257209	48.188	ug/l	100
11) Tert butyl alcohol	5.20	59	44419	194.854	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	172051	48.261	ug/l	100
13) Acrolein	3.89	56	36443	202.202	ug/l	98
14) Allyl chloride	4.67	41	280617	49.459	ug/l	98
15) Acrylonitrile	5.37	53	172570	221.358	ug/l	99
16) Acetone	4.13	43	165039	233.749	ug/l	96
17) Carbon Disulfide	4.38	76	497615	48.292	ug/l	100
18) Methyl Acetate	4.67	43	83177	41.909	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	252432	46.201	ug/l	99
20) Methylene Chloride	4.92	84	172822	47.729	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	187939	48.775	ug/l	98
22) Diisopropyl ether	6.31	45	516731	47.893	ug/l	98
23) Vinyl Acetate	6.25	43	1493556	233.342	ug/l	99
24) 1,1-Dichloroethane	6.21	63	311518	47.849	ug/l	98
25) 2-Butanone	7.17	43	226383	213.589	ug/l	95
26) 2,2-Dichloropropane	7.16	77	192078	49.259	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	193940	47.694	ug/l	99
28) Bromochloromethane	7.51	49	129258	51.729	ug/l	98
29) Tetrahydrofuran	7.53	42	138349	212.844	ug/l	99
30) Chloroform	7.67	83	295947	46.430	ug/l	97
31) Cyclohexane	7.96	56	311501	45.900	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	246038	47.659	ug/l	99
36) 1,1-Dichloropropene	8.08	75	259640	48.841	ug/l	98
37) Ethyl Acetate	7.25	43	95706	42.360	ug/l	98
38) Carbon Tetrachloride	8.07	117	229771	48.215	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	334871	49.017	ug/l	98
40) Benzene	8.32	78	714061	48.156	ug/l	100
41) Methacrylonitrile	7.48	41	58438	43.337	ug/l	96
42) 1,2-Dichloroethane	8.40	62	180548	45.294	ug/l	99
43) Isopropyl Acetate	8.42	43	189924	43.860	ug/l	99
44) Trichloroethene	9.09	130	198799	47.784	ug/l	100
45) 1,2-Dichloropropane	9.37	63	173869	48.028	ug/l	100
46) Dibromomethane	9.46	93	81003	46.088	ug/l	98
47) Bromodichloromethane	9.64	83	213186	47.669	ug/l	96
48) Methyl methacrylate	9.43	41	96263	47.276	ug/l	95
49) 1,4-Dioxane	9.47	88	22003	833.999	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	467245	215.237	ug/l	98
52) Toluene	10.38	92	463832	48.808	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	222821	48.494	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	270780	48.469	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	121848	46.382	ug/l	98
56) Ethyl methacrylate	10.65	69	162403	47.237	ug/l	98
57) 1,3-Dichloropropane	10.93	76	215894	47.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	380779	239.238	ug/l	98
59) 2-Hexanone	10.97	43	347344	232.566	ug/l	99
60) Dibromochloromethane	11.13	129	144444	48.423	ug/l	99
61) 1,2-Dibromoethane	11.24	107	116042	46.458	ug/l	100
64) Tetrachloroethene	10.86	164	171864	48.406	ug/l	94
65) Chlorobenzene	11.66	112	471296	48.231	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	165674	49.628	ug/l	99
67) Ethyl Benzene	11.73	91	877236	49.547	ug/l	100
68) m/p-Xylenes	11.84	106	669619	99.250	ug/l	100
69) o-Xylene	12.16	106	307472	49.018	ug/l	98
70) Styrene	12.18	104	539421	50.091	ug/l	99
71) Bromoform	12.35	173	82546	46.804	ug/l #	99
73) Isopropylbenzene	12.46	105	865943	49.773	ug/l	100
74) N-amyl acetate	12.27	43	175368	45.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130673	44.910	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	85192m	40.959	ug/l	
77) Bromobenzene	12.74	156	198751	48.208	ug/l	99
78) n-propylbenzene	12.80	91	1011488	49.668	ug/l	99
79) 2-Chlorotoluene	12.89	91	558451	48.948	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	726519	49.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45316	48.889	ug/l	95
82) 4-Chlorotoluene	12.99	91	591730	49.182	ug/l	99
83) tert-Butylbenzene	13.21	119	636793	49.609	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	715140	49.141	ug/l	99
85) sec-Butylbenzene	13.38	105	882945	49.892	ug/l	100
86) p-Isopropyltoluene	13.50	119	823917	50.195	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	389497	49.088	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	380880	48.944	ug/l	100
89) n-Butylbenzene	13.82	91	758281	50.593	ug/l	99
90) Hexachloroethane	14.09	117	139625	50.635	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	336701	49.050	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20218	45.429	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	247904	50.398	ug/l	99
94) Hexachlorobutadiene	15.24	225	167517	49.778	ug/l	98
95) Naphthalene	15.36	128	399127	49.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	212047	49.890	ug/l	99

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

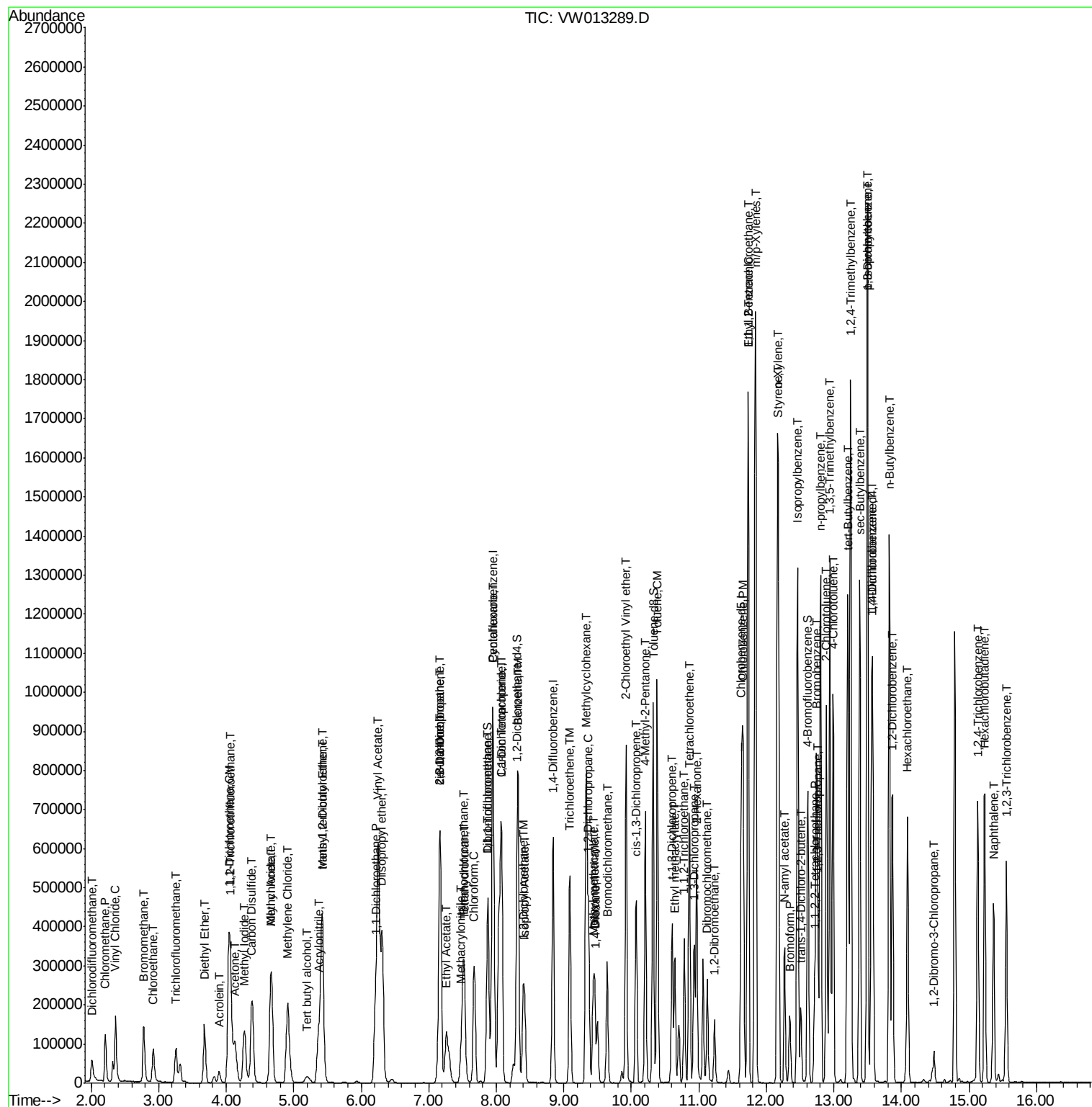
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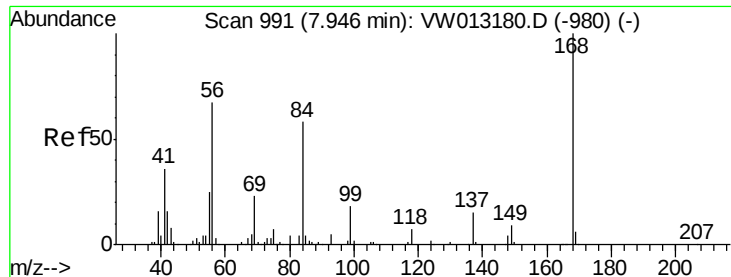
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 383619

Ion Ratio Lower Upper

168 100

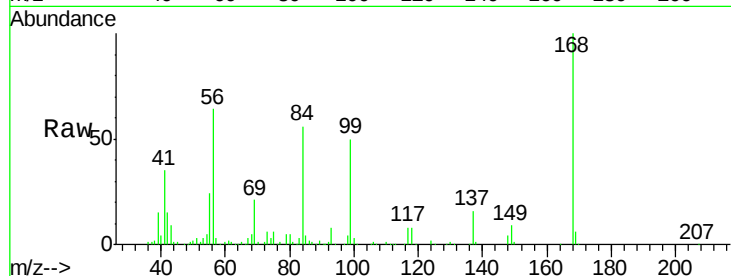
99 50.1 40.2 60.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

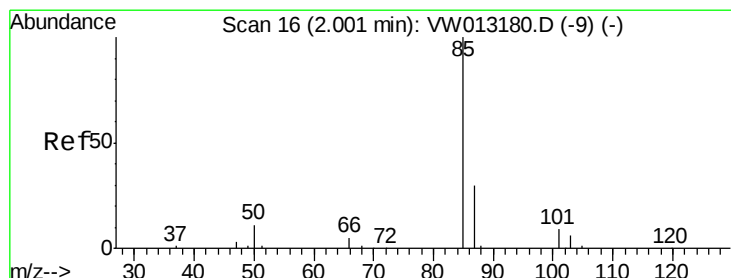
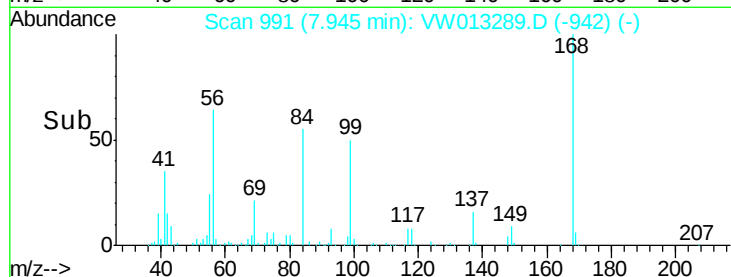
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 41.930 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013289.D

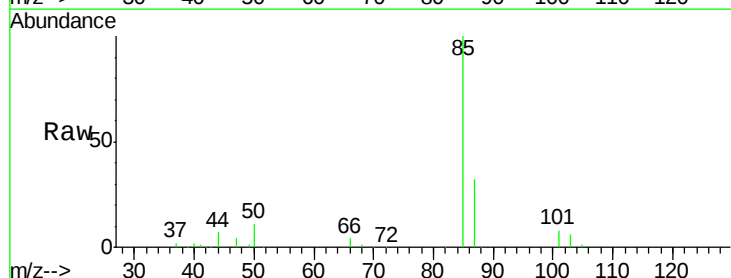
Acq: 25 Sep 2019 10:02

Tgt Ion: 85 Resp: 92784

Ion Ratio Lower Upper

85 100

87 32.3 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

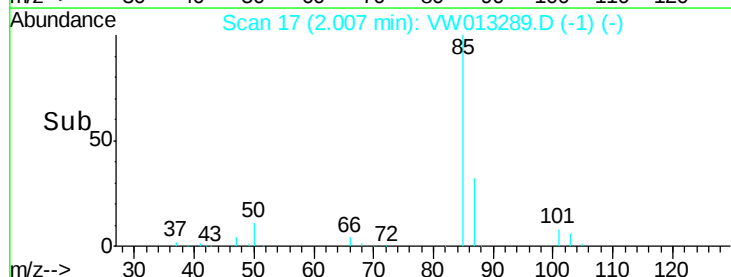
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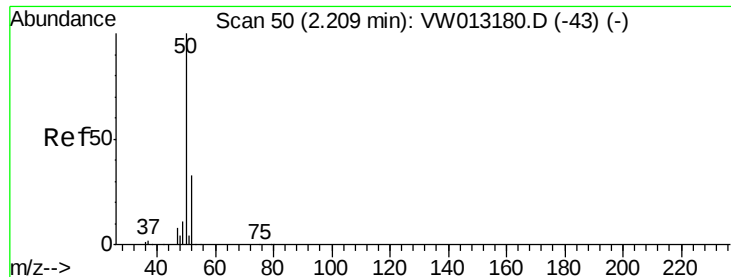
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 43.837 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 124698

Ion Ratio Lower Upper

50 100

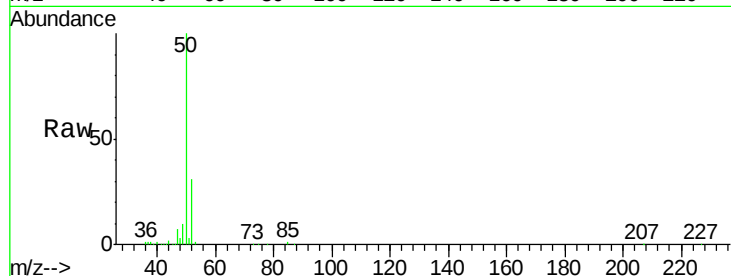
52 31.5 26.1 39.1

Manual Integrations

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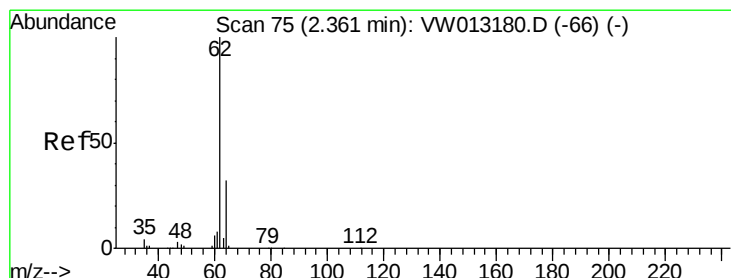
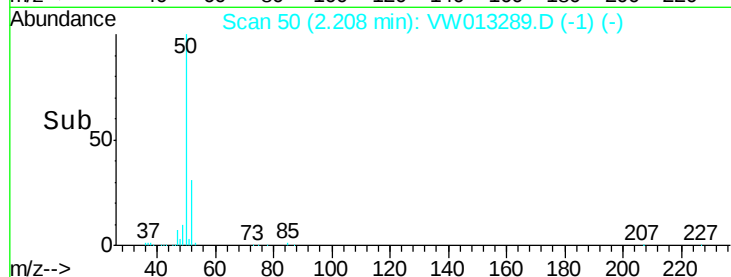
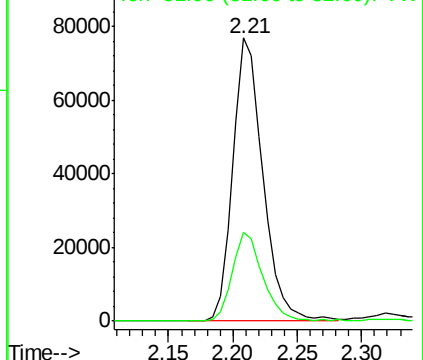
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 46.799 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013289.D

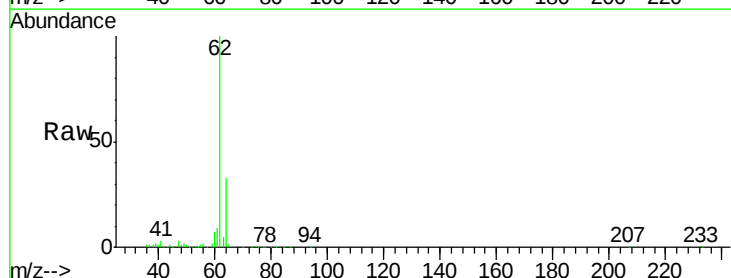
Acq: 25 Sep 2019 10:02

Tgt Ion: 62 Resp: 171621

Ion Ratio Lower Upper

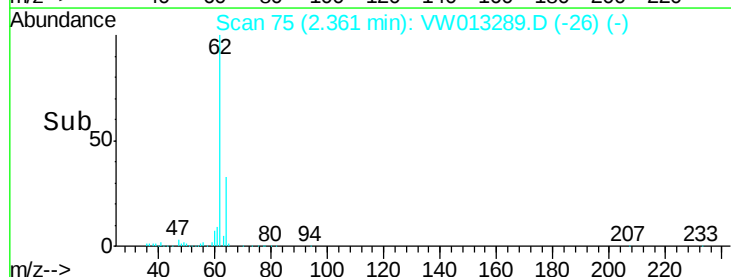
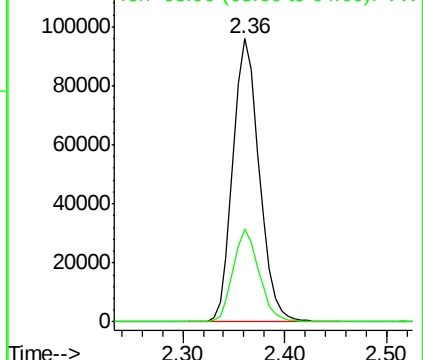
62 100

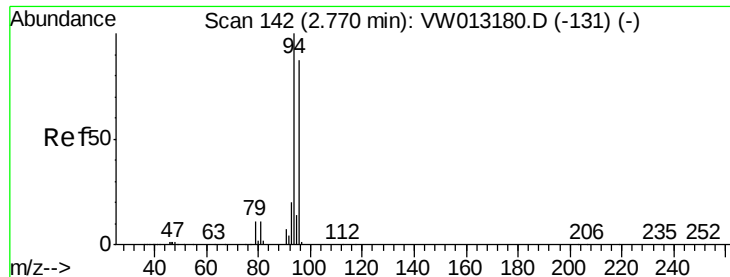
64 32.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 46.203 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 107375

Ion Ratio Lower Upper

94 100

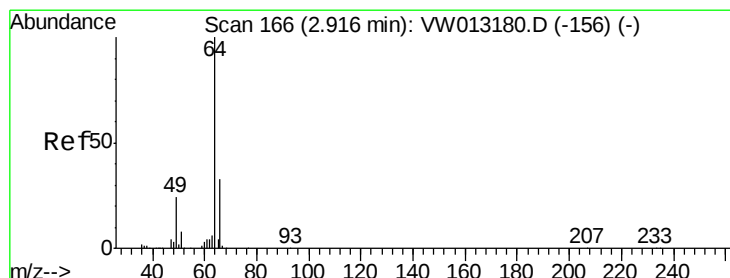
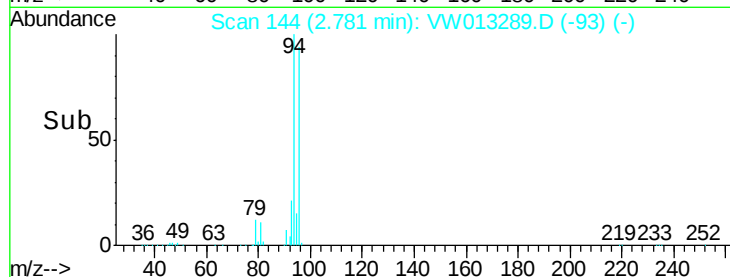
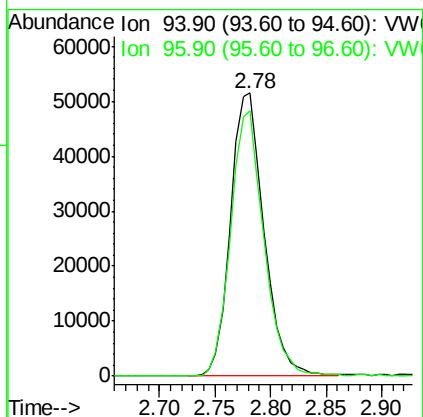
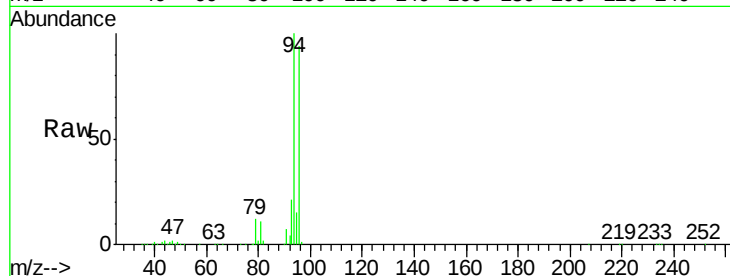
96 93.7 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 47.006 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013289.D

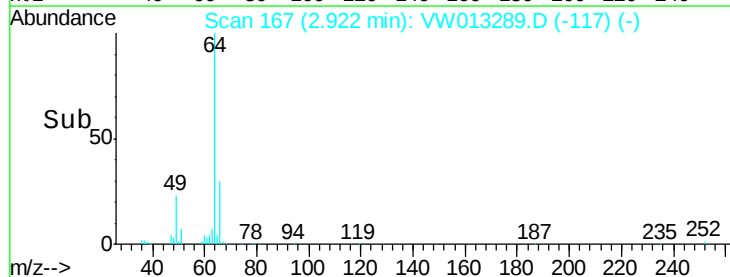
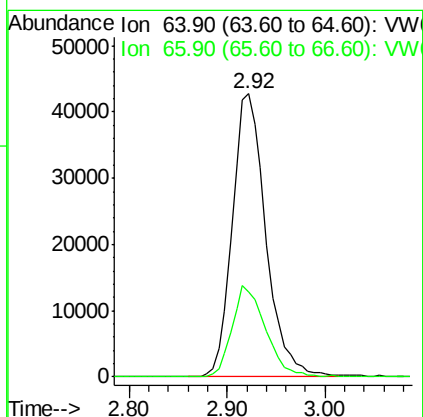
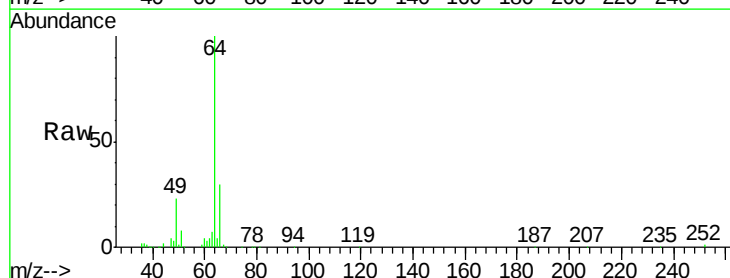
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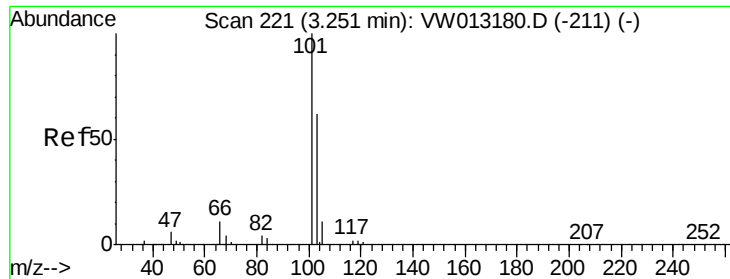
Tgt Ion: 64 Resp: 101609

Ion Ratio Lower Upper

64 100

66 30.0 26.6 39.8





#7

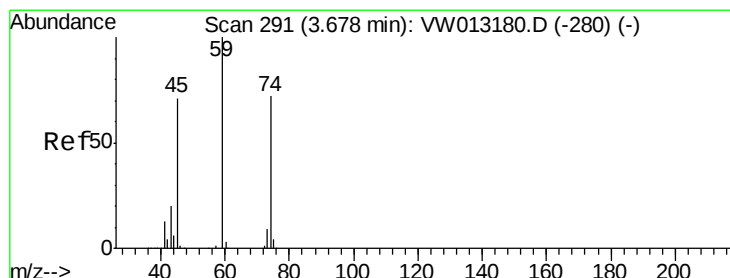
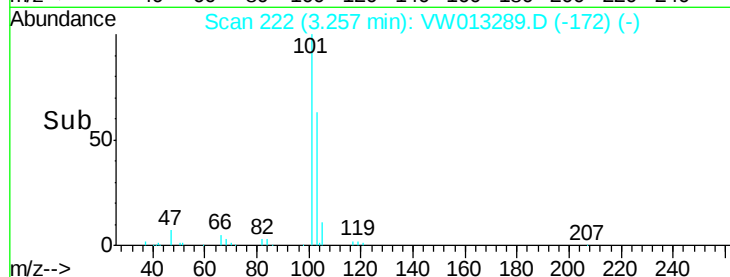
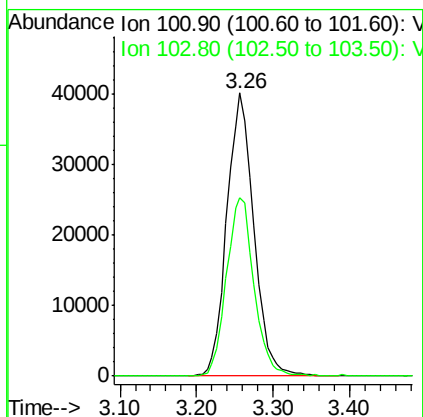
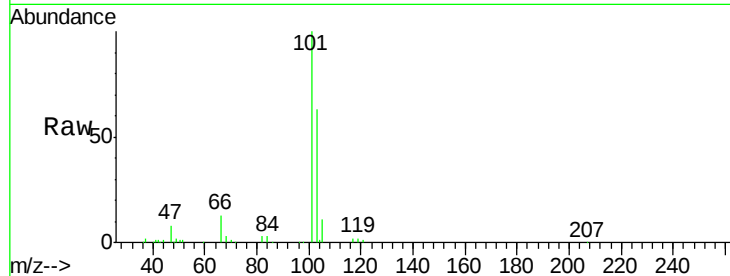
Trichlorofluoromethane
 Concen: 46.498 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	49.7	74.5

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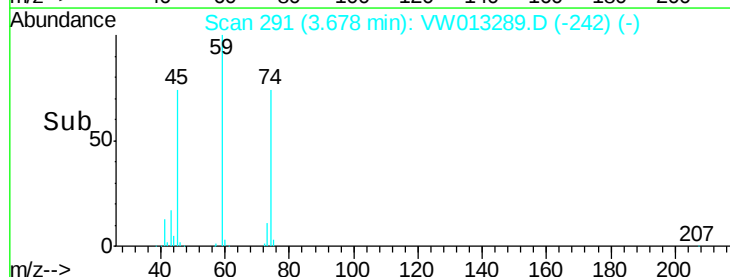
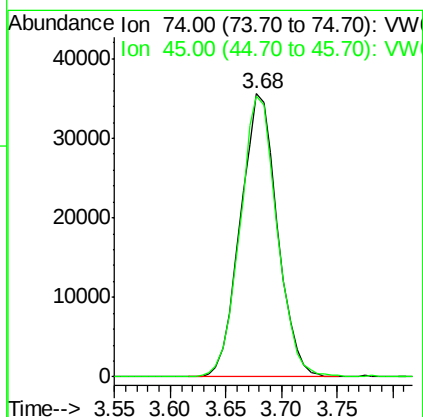
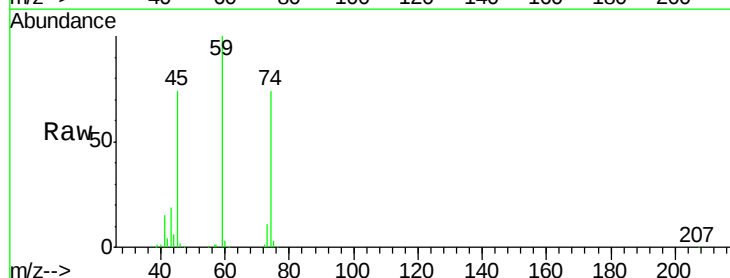
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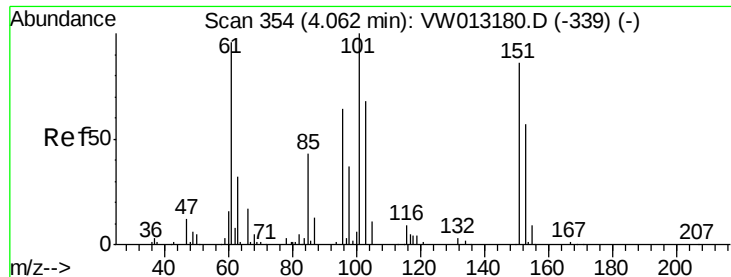


#8

Diethyl Ether
 Concen: 45.367 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.511 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

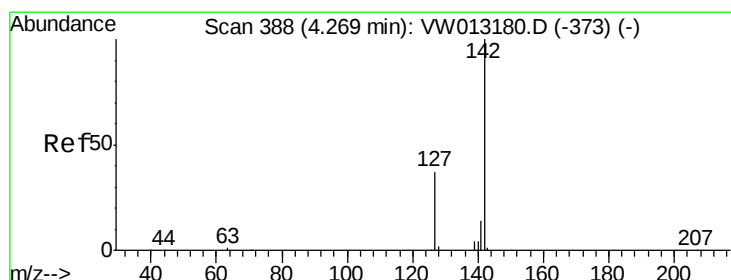
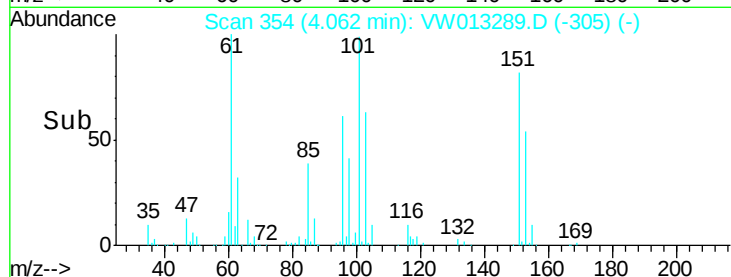
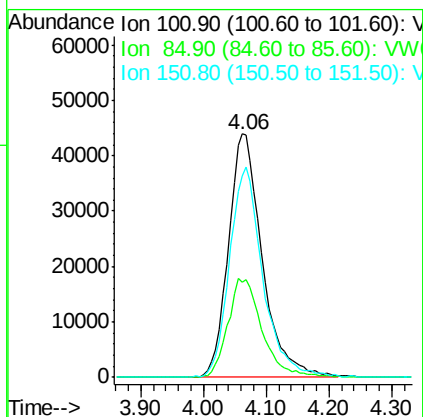
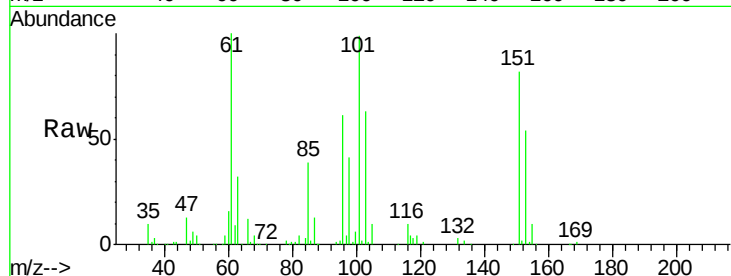
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	163567
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.0
151	85.4	66.9	100.3

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#10

Methyl Iodide

Concen: 48.188 ug/l

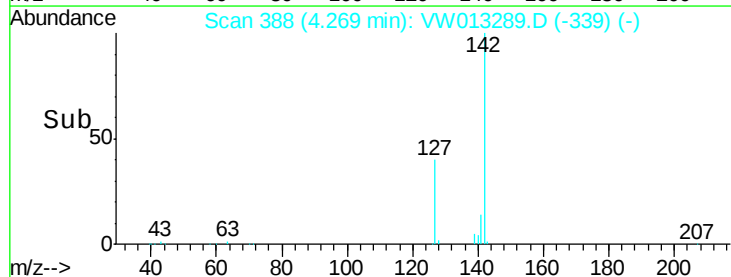
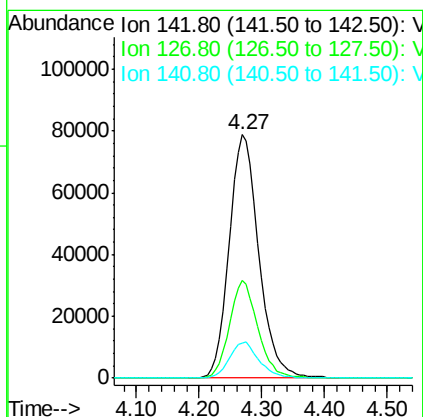
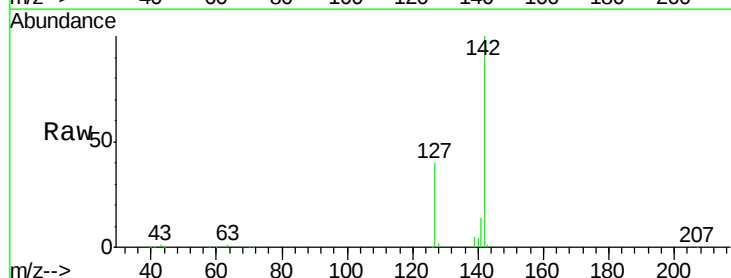
RT: 4.27 min Scan# 388

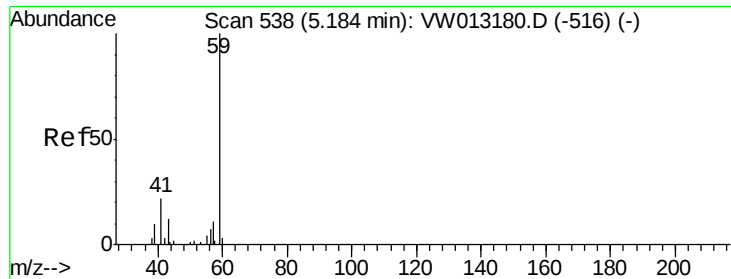
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion:	142	Resp:	257209
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.9	46.3
141	14.7	11.7	17.5





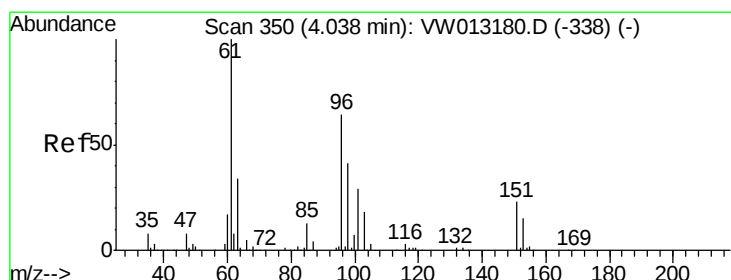
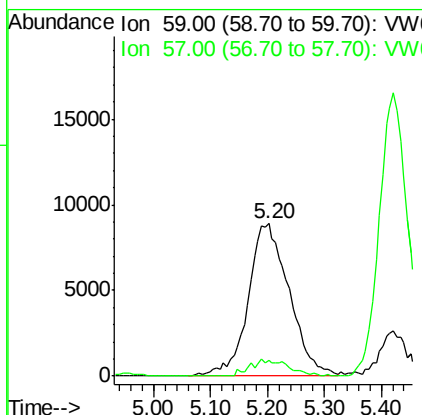
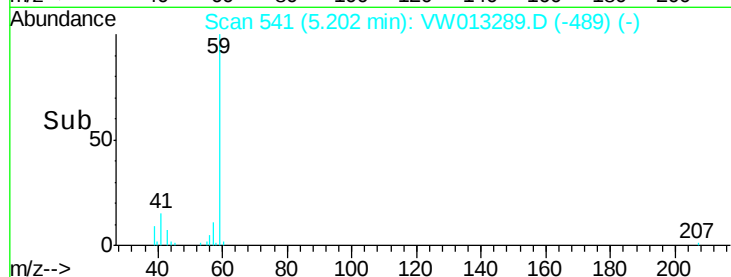
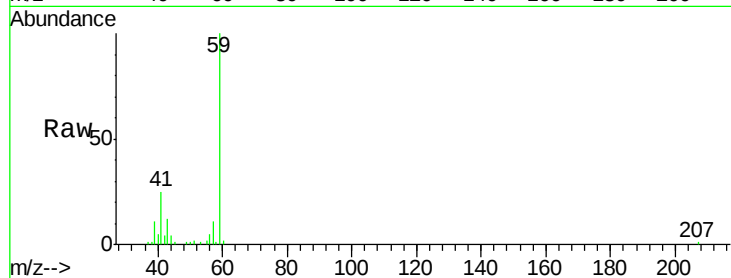
#11
Tert butyl alcohol
Concen: 194.854 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.9	8.2	12.2#

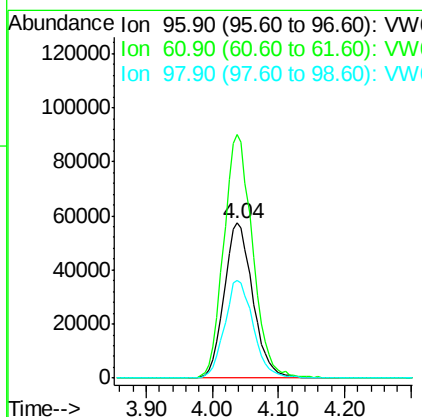
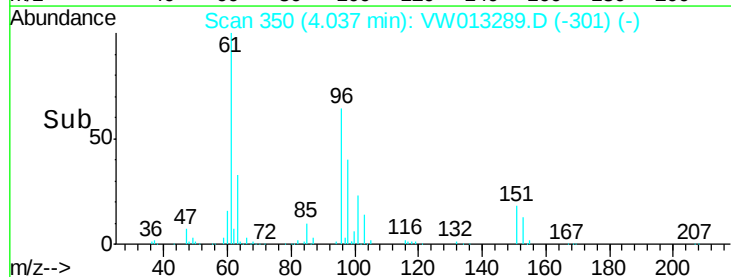
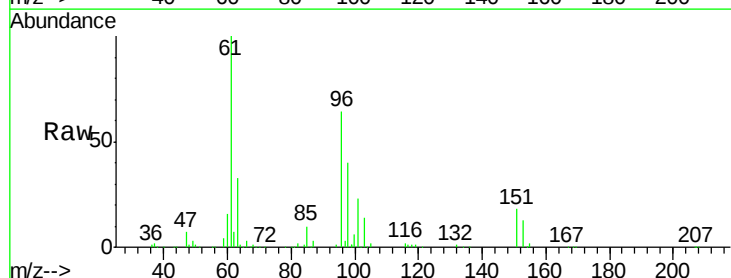
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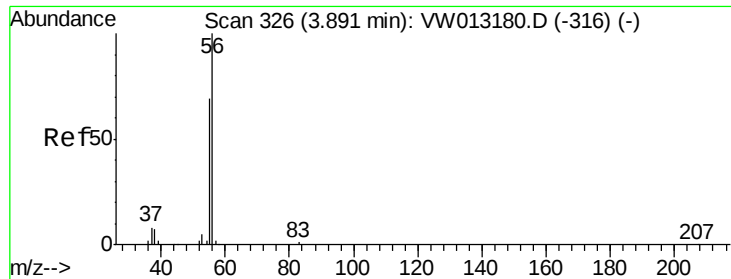
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.261 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	125.1	187.7
98	63.0	50.8	76.2





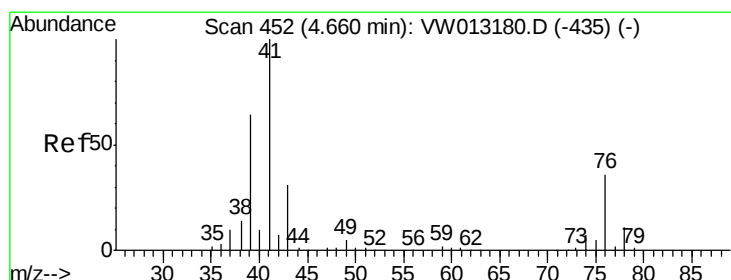
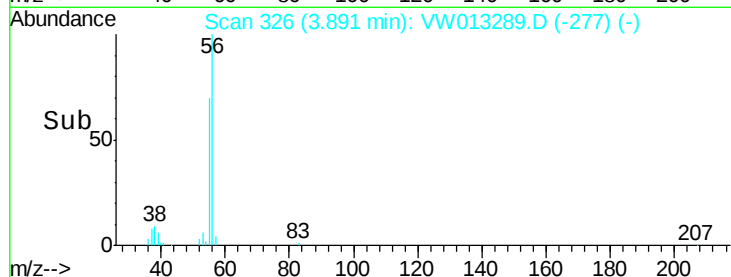
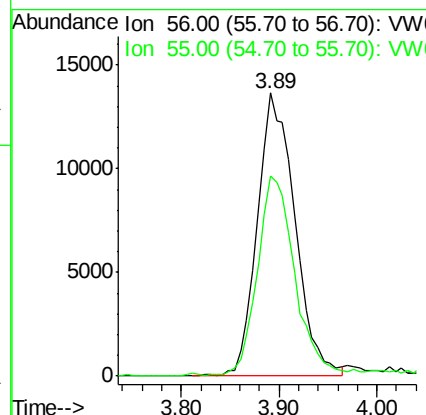
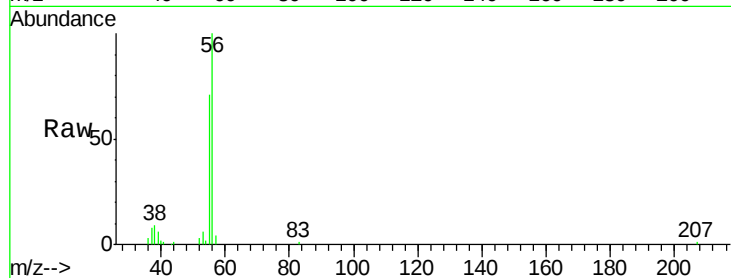
#13
Acrolein
Concen: 202.202 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	36443
Ion Ratio	100	Lower	Upper
55	70.5	55.4	83.0

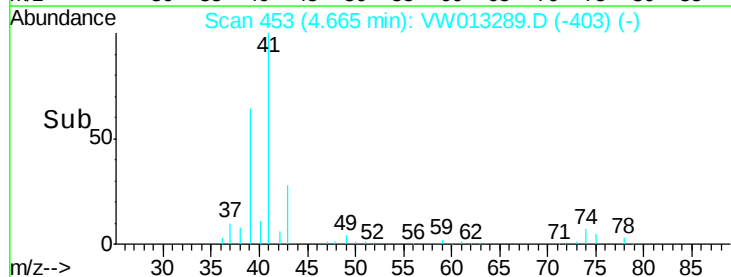
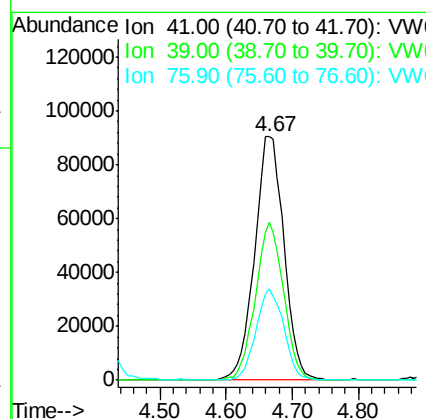
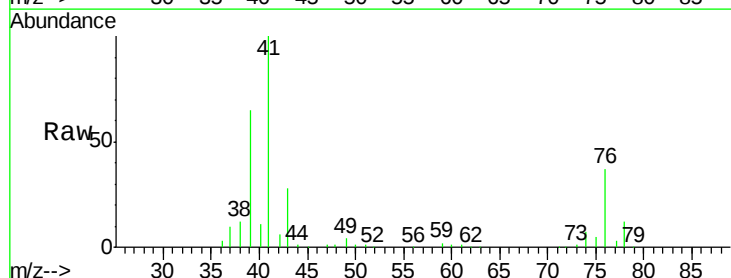
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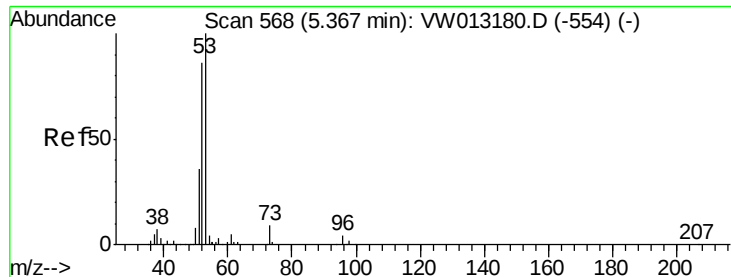
MMDadoda
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#14
Allyl chloride
Concen: 49.459 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	41	Resp	280617
Ion Ratio	100	Lower	Upper
39	61.8	51.0	76.4
76	35.4	28.4	42.6





#15

Acrylonitrile

Concen: 221.358 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

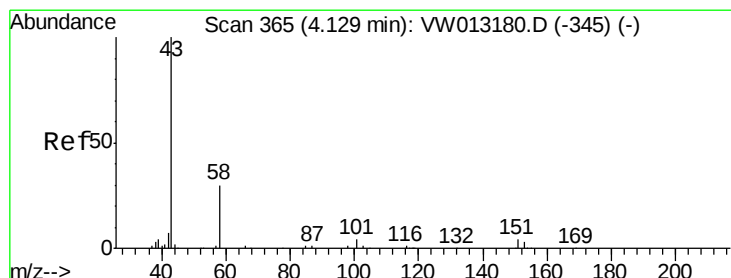
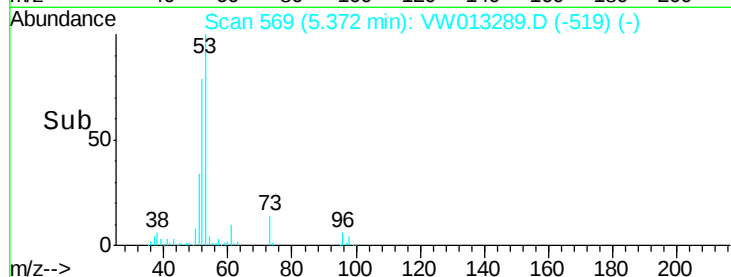
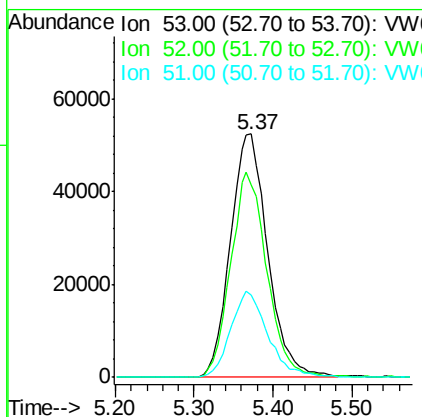
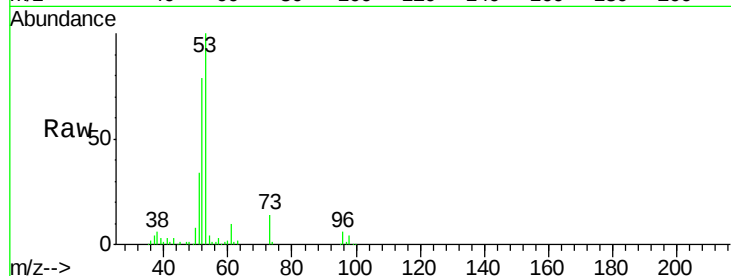
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	172570
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.3	97.9
51	35.3	29.0	43.4

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#16

Acetone

Concen: 233.749 ug/l

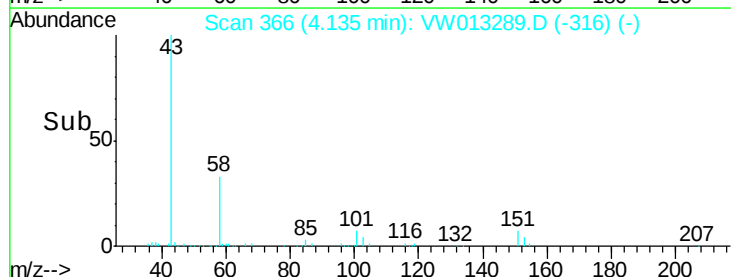
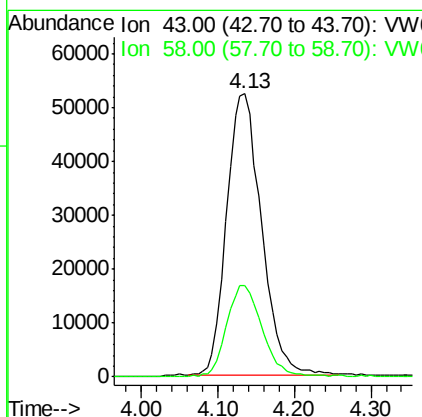
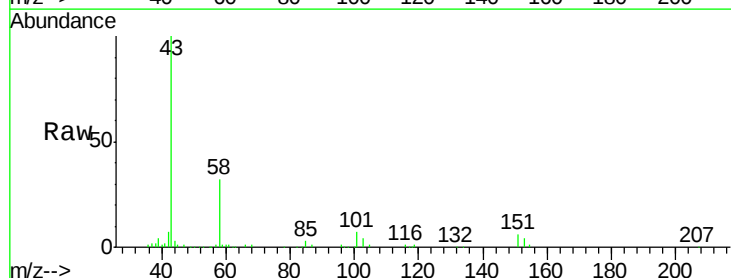
RT: 4.13 min Scan# 366

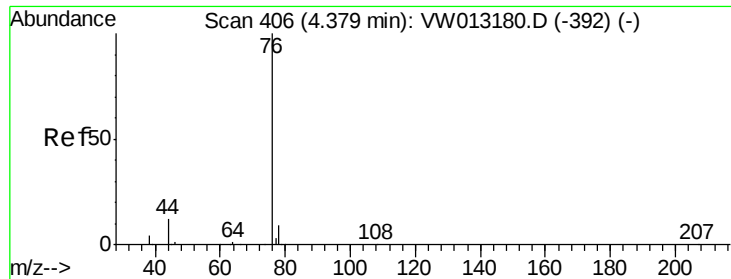
Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion:	43	Resp:	165039
Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.1	36.1





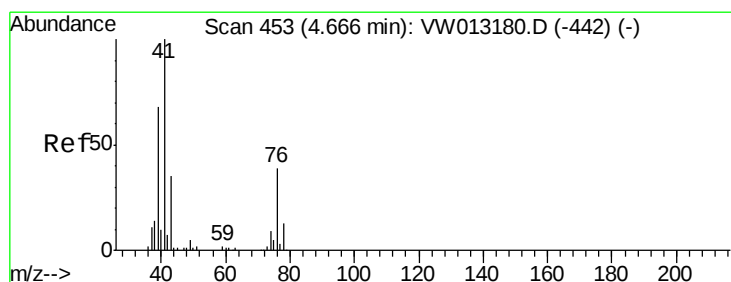
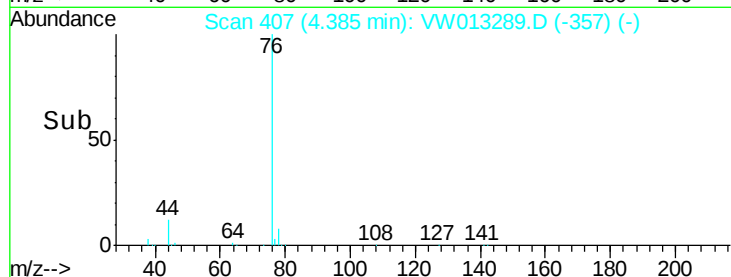
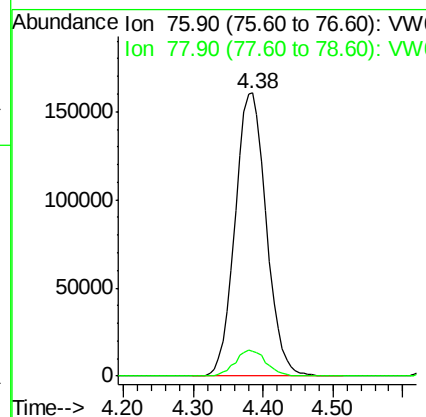
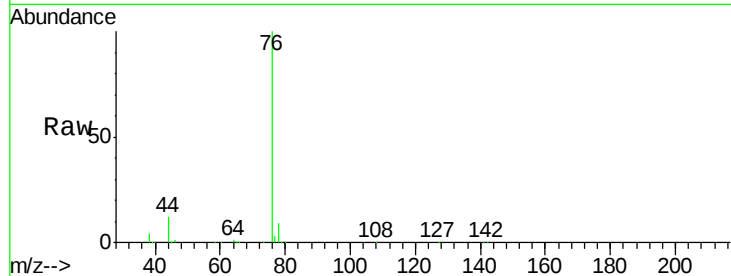
#17
Carbon Disulfide
Concen: 48.292 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4

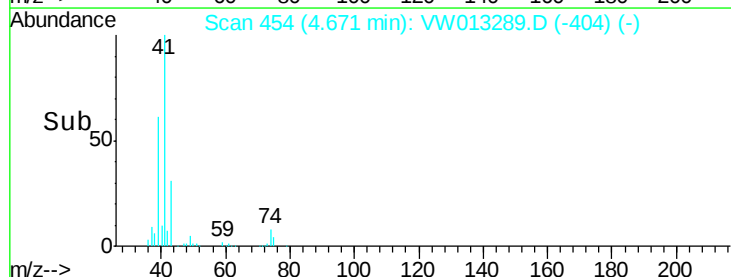
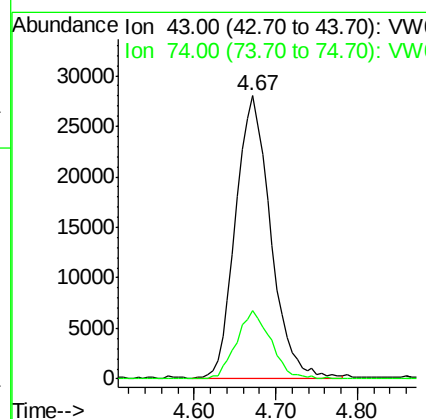
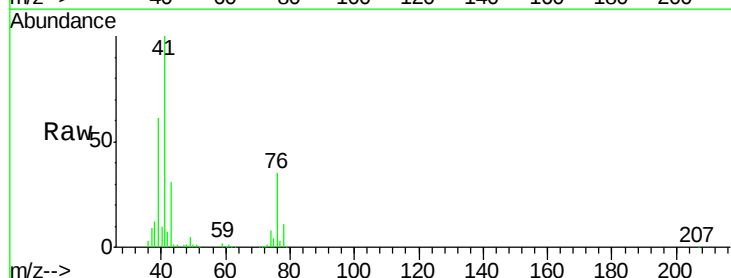
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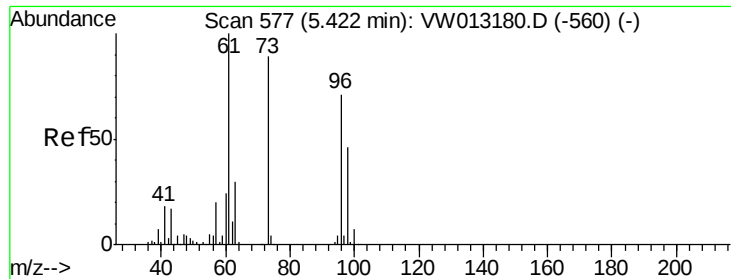
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#18
Methyl Acetate
Concen: 41.909 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.3	28.9





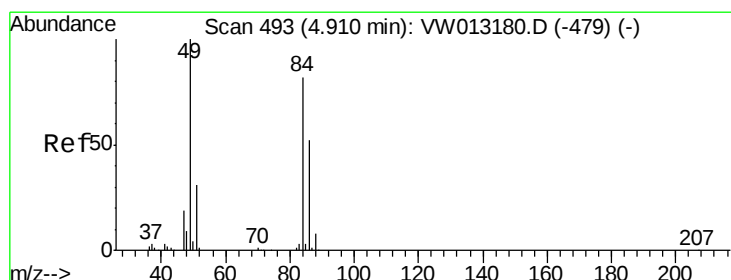
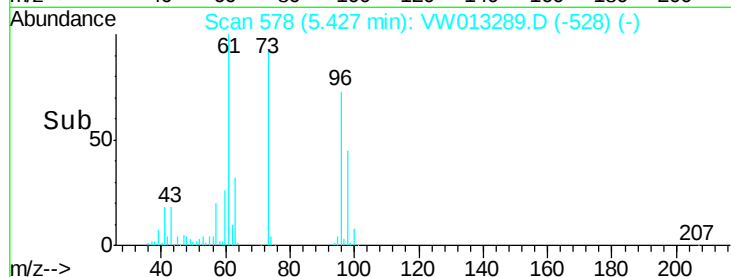
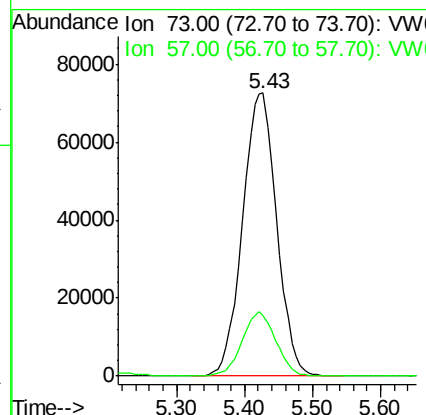
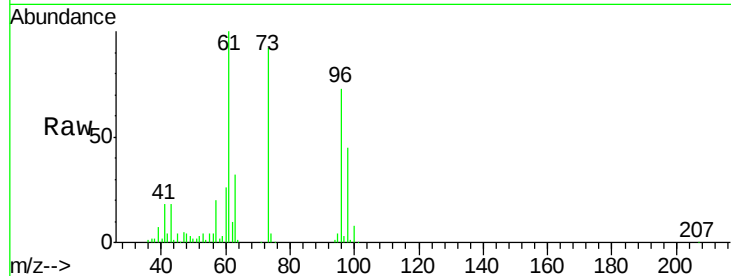
#19
Methyl tert-butyl Ether
Concen: 46.201 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 252432
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

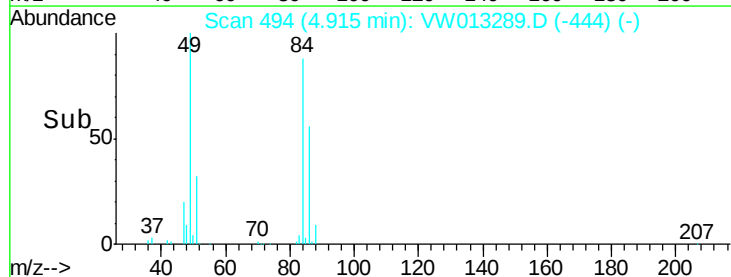
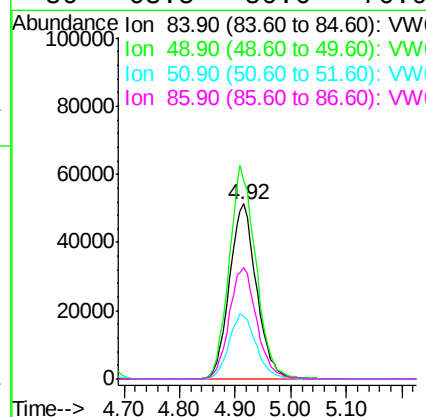
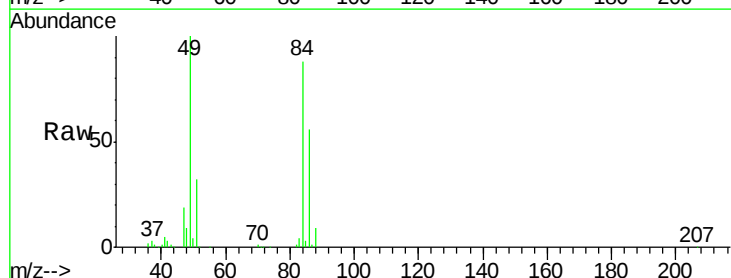
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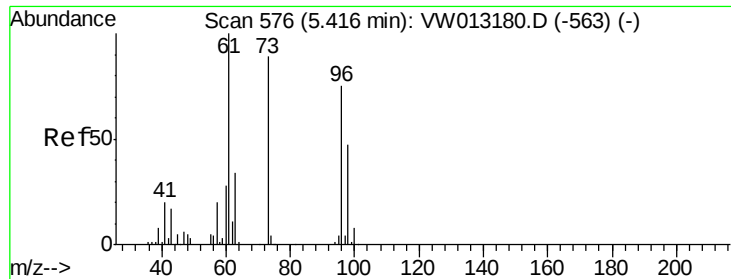
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#20
Methylene Chloride
Concen: 47.729 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion: 84 Resp: 172822
Ion Ratio Lower Upper
84 100
49 113.3 97.6 146.4
51 35.9 30.2 45.2
86 63.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.775 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

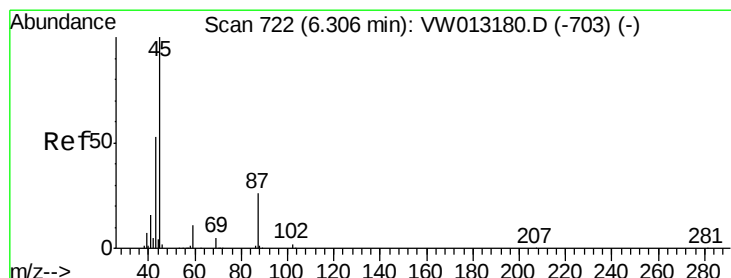
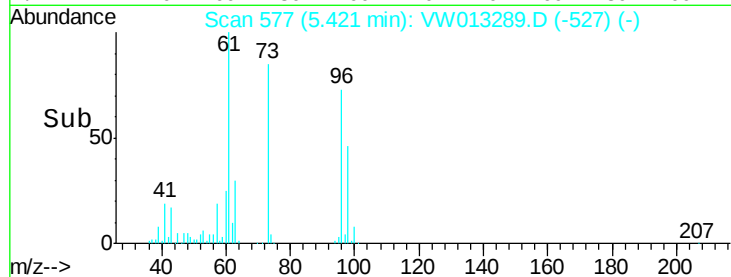
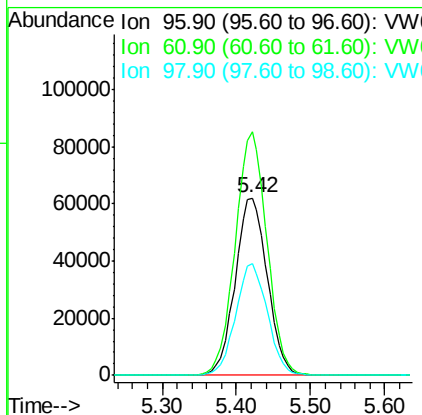
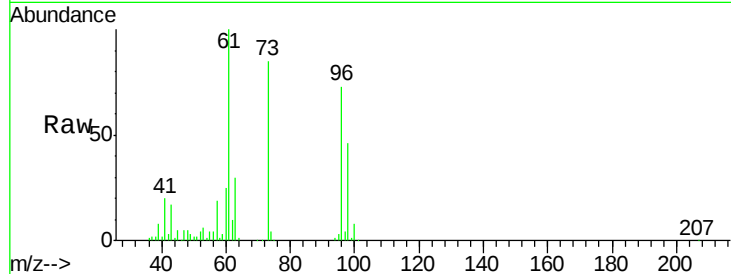
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	187939
Ion	Ratio	Lower	Upper
96	100		
61	137.0	106.6	159.8
98	62.9	49.8	74.8

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#22

Diisopropyl ether

Concen: 47.893 ug/l

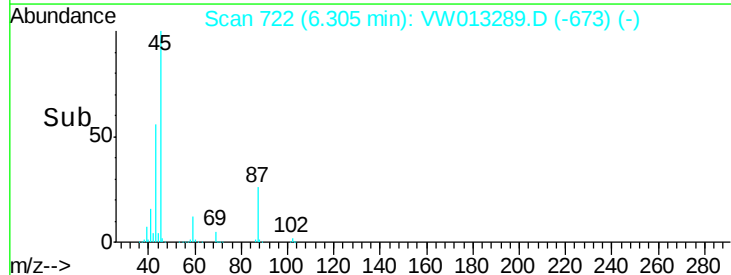
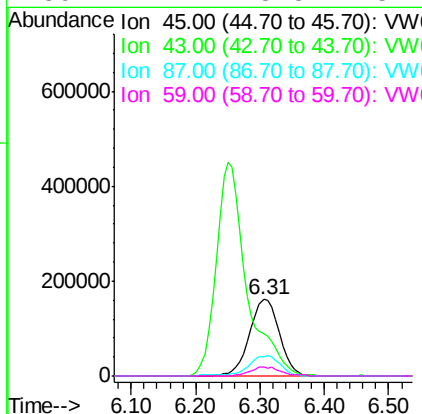
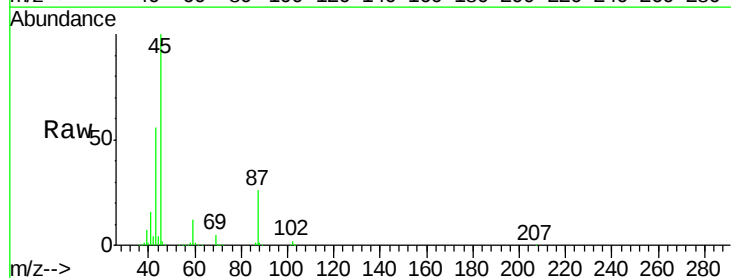
RT: 6.31 min Scan# 722

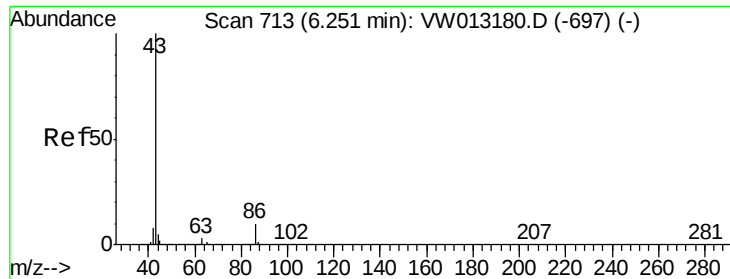
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion:	45	Resp:	516731
Ion	Ratio	Lower	Upper
45	100		
43	55.3	42.4	63.6
87	25.8	20.4	30.6
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 233.342 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1493556

Ion Ratio Lower Upper

43 100

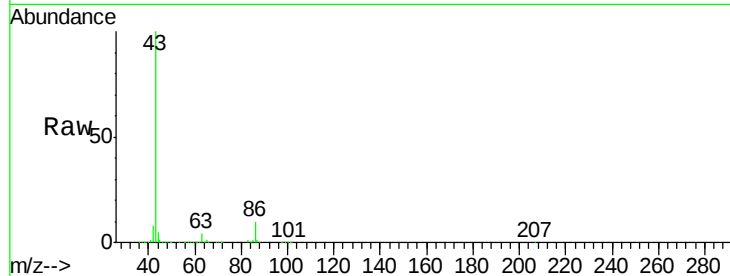
86 10.1 8.3 12.5

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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

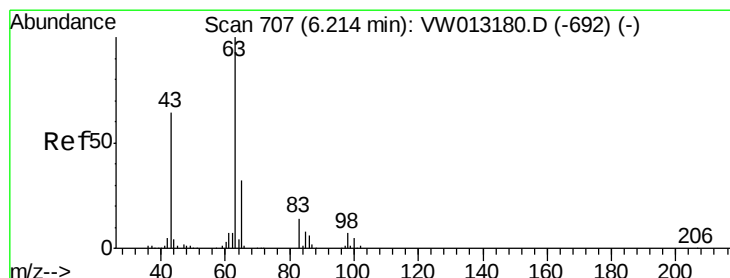
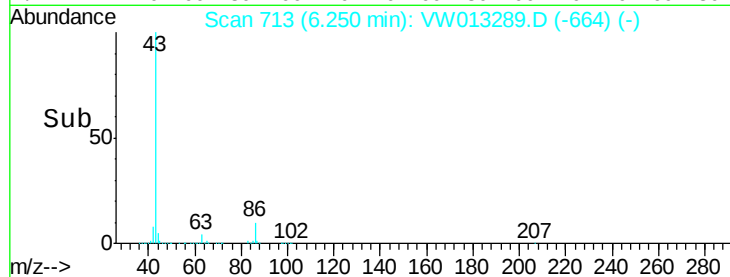
200000

100000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 47.849 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

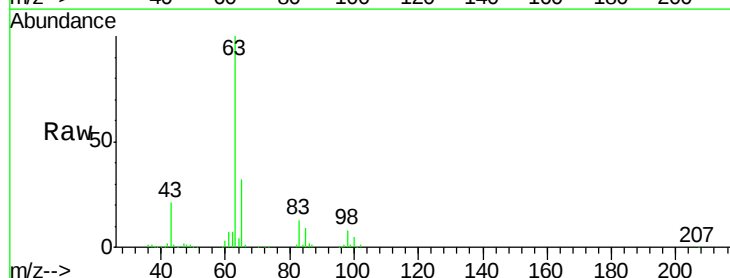
Tgt Ion: 63 Resp: 311518

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 4.9 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

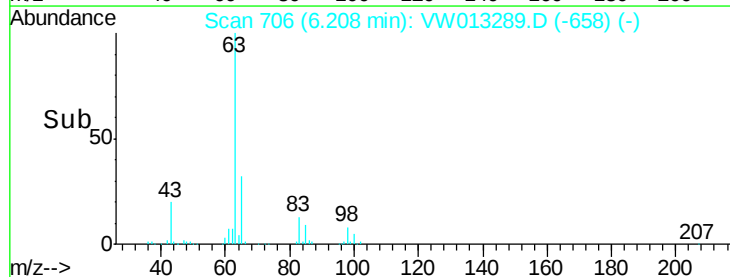
100000

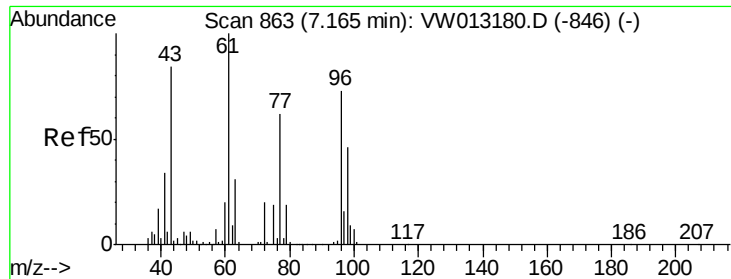
50000

0

6.10 6.30 6.40

Time-->





#25

2-Butanone

Concen: 213.589 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 226383

Ion Ratio Lower Upper

43 100

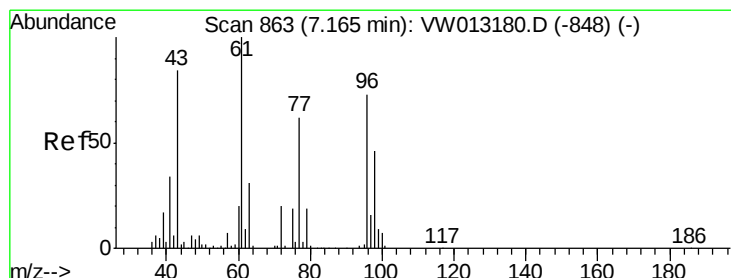
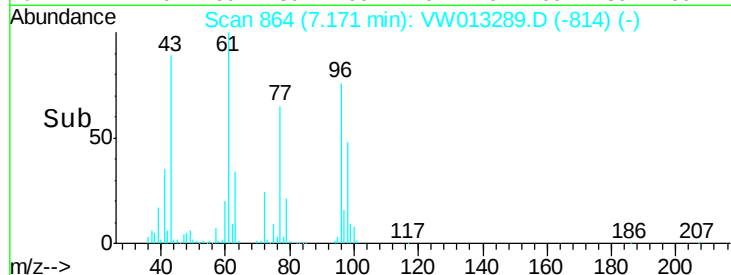
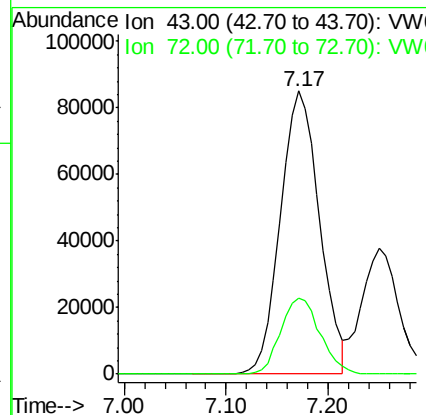
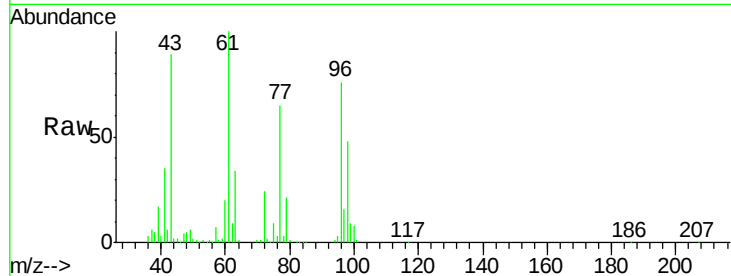
72 26.9 19.4 29.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 49.259 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013289.D

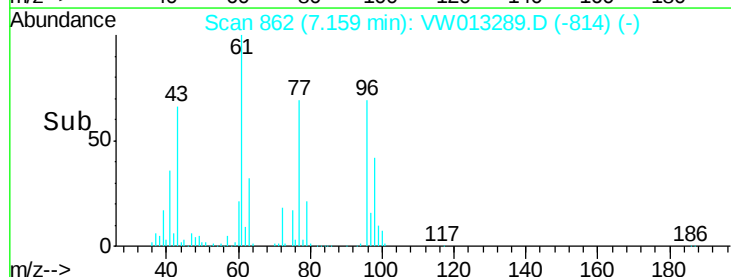
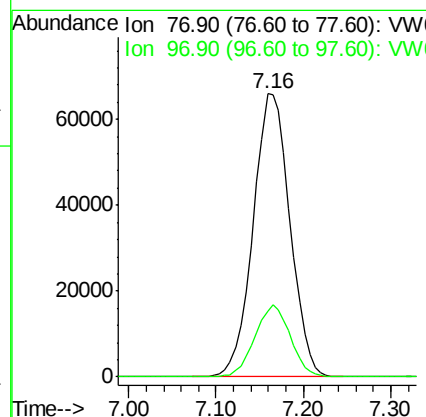
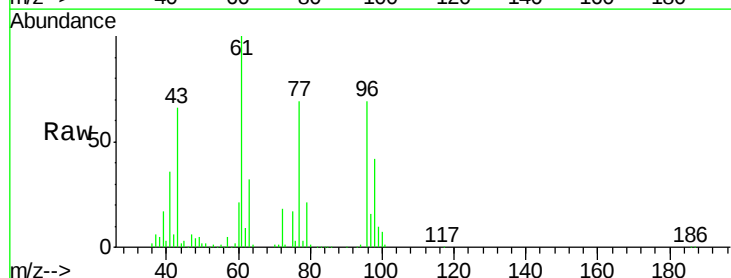
Acq: 25 Sep 2019 10:02

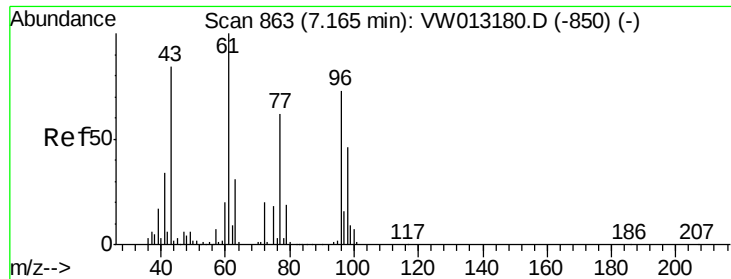
Tgt Ion: 77 Resp: 192078

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.4





#27

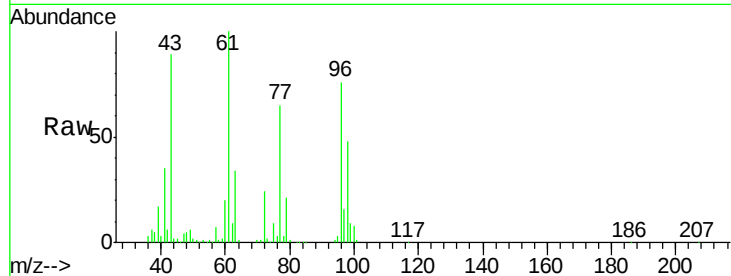
cis-1,2-Dichloroethene
Concen: 47.694 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

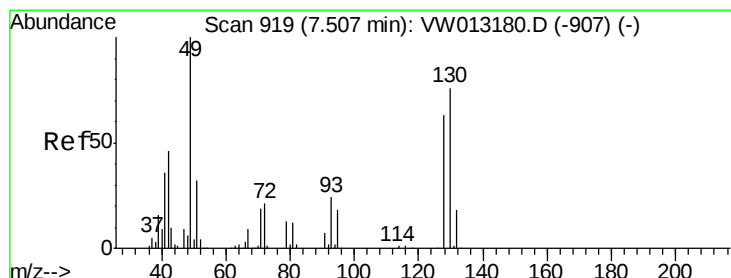
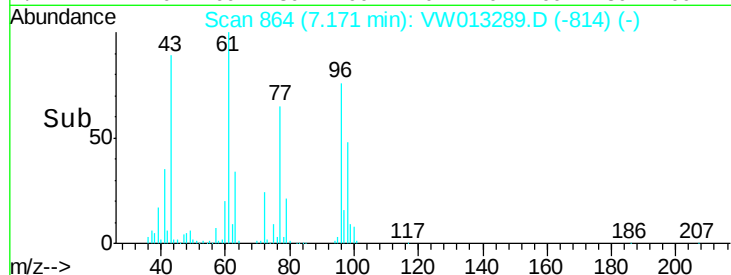
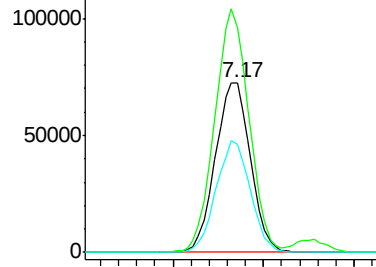
Tot Ion	Ratio	Resp	Lower	Upper
96	100	193940		
61	140.2	0.0	282.4	
98	64.3	0.0	128.2	

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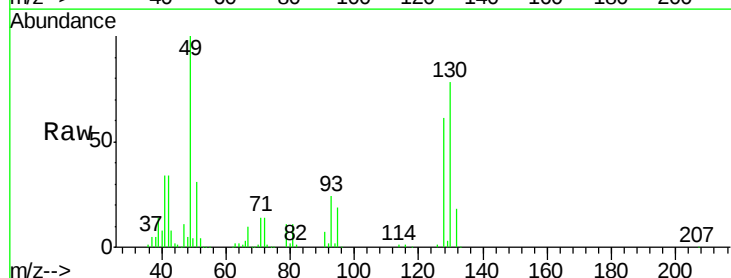
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



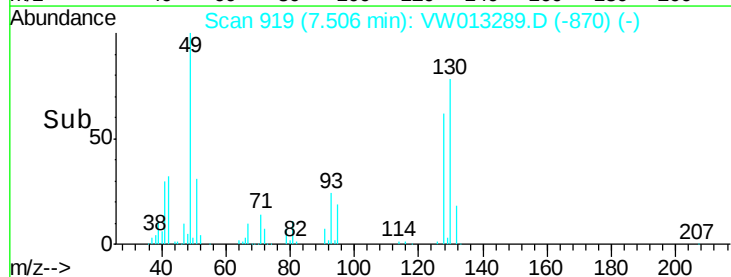
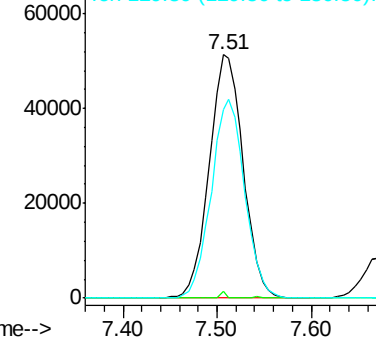
#28

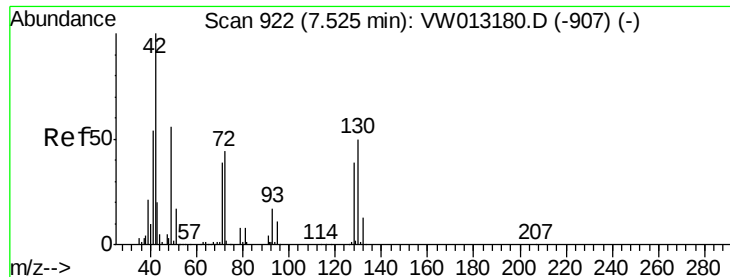
Bromochloromethane
Concen: 51.729 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129258		
129	0.4	0.0	1.0	
130	80.9	63.4	95.2	



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 212.844 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

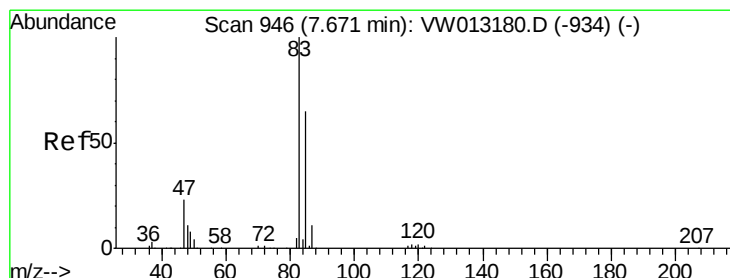
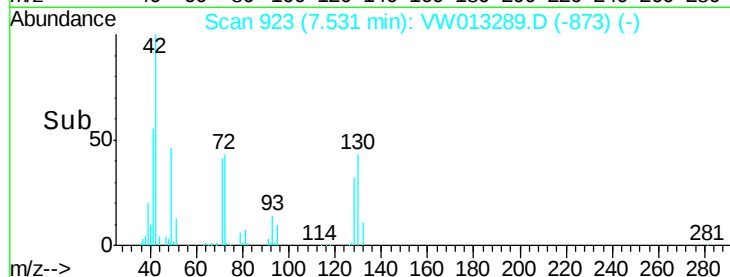
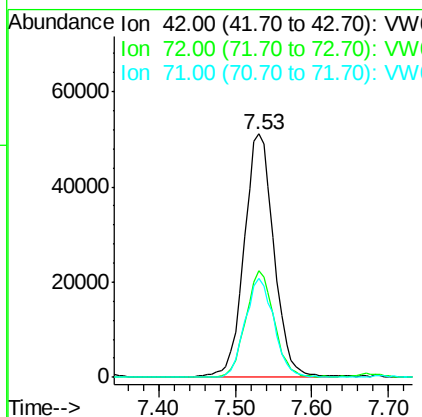
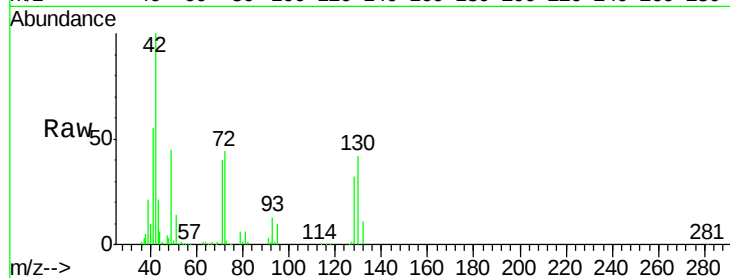
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	138349
Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.9	50.9
71	39.5	31.9	47.9

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#30

Chloroform

Concen: 46.430 ug/l

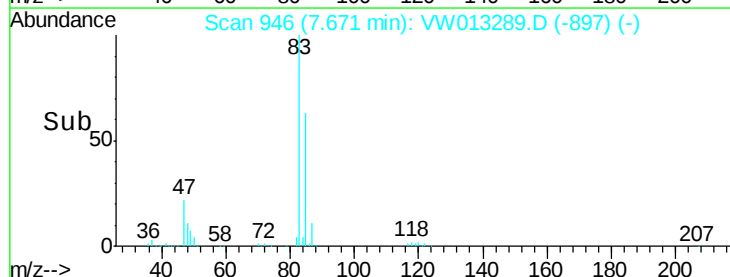
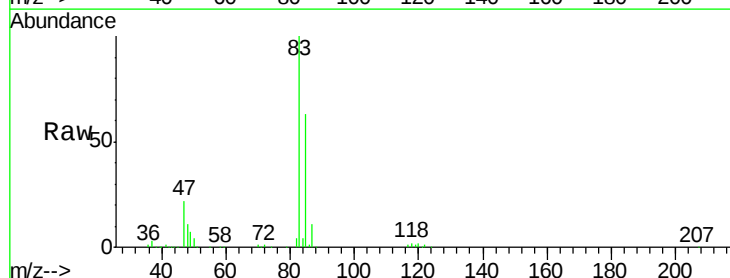
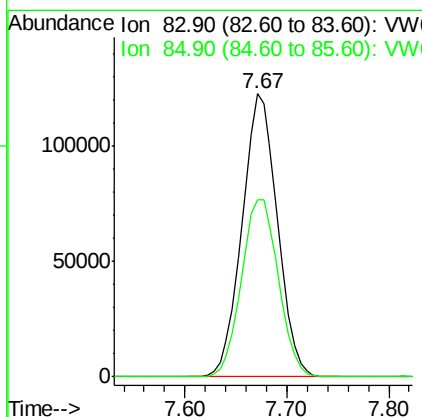
RT: 7.67 min Scan# 946

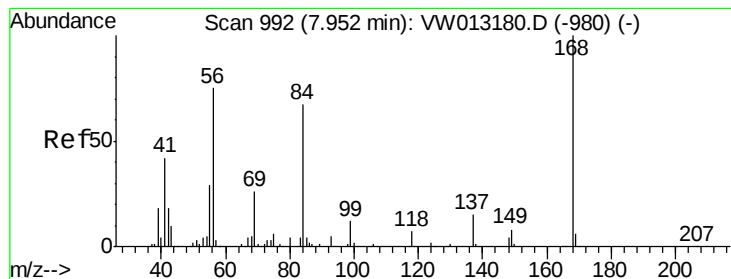
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion:	83	Resp:	295947
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.3	78.5





#31

Cyclohexane

Concen: 45.900 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

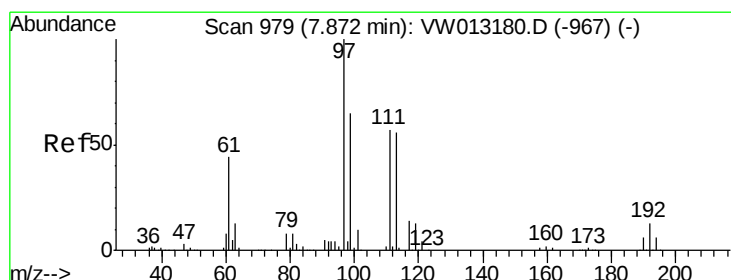
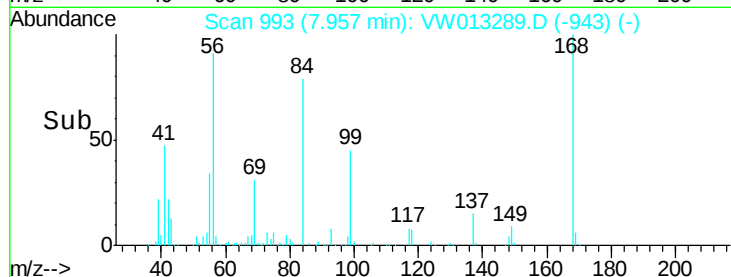
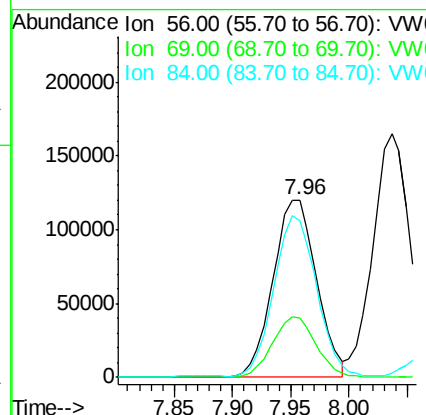
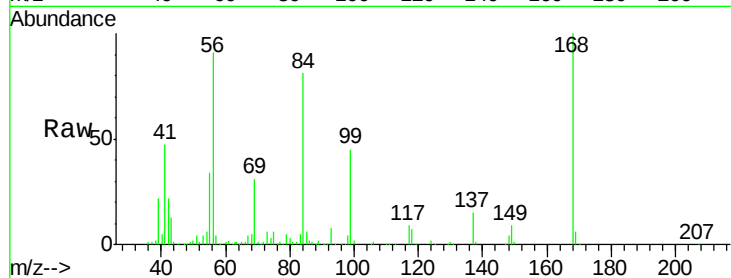
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	311501
Ion Ratio	Lower	Upper	
56	100		
69	33.7	27.2	40.8
84	87.1	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 47.659 ug/l

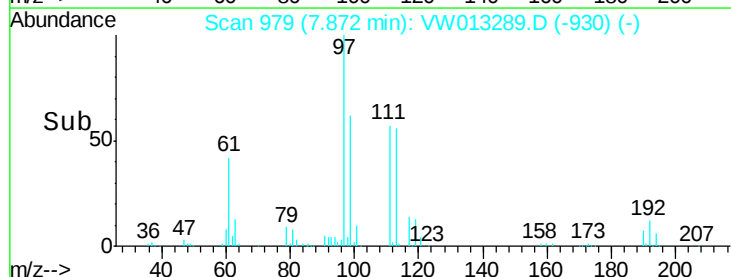
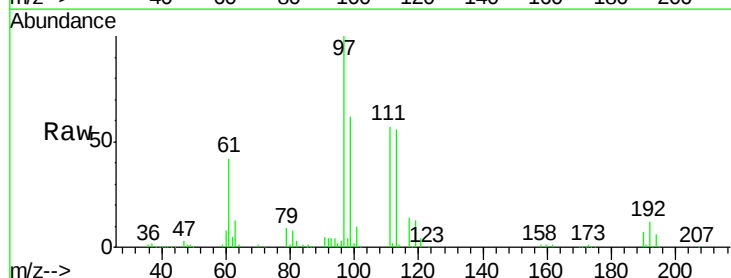
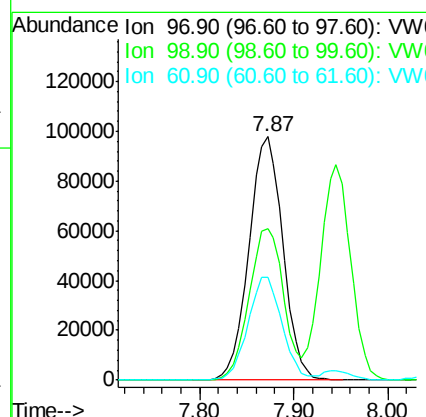
RT: 7.87 min Scan# 979

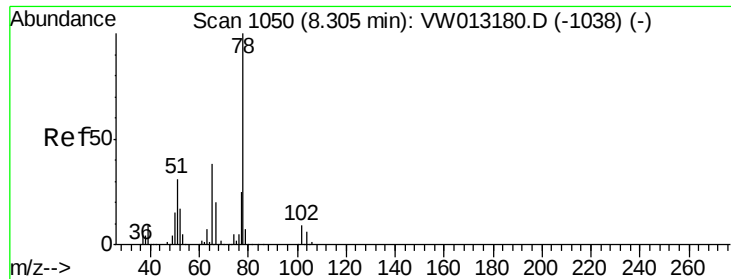
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion:	97	Resp:	246038
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.7	77.5
61	42.1	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 48.720 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 152538

Ion Ratio Lower Upper

65 100

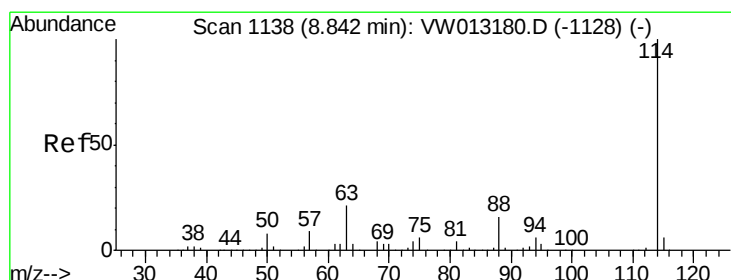
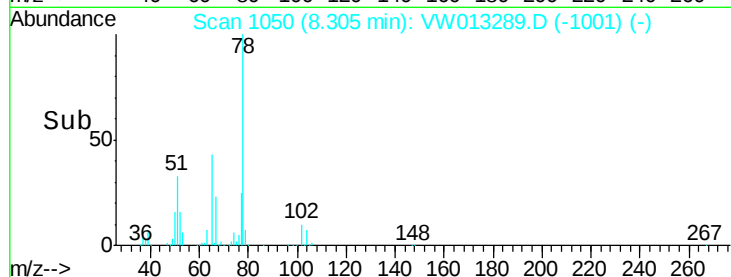
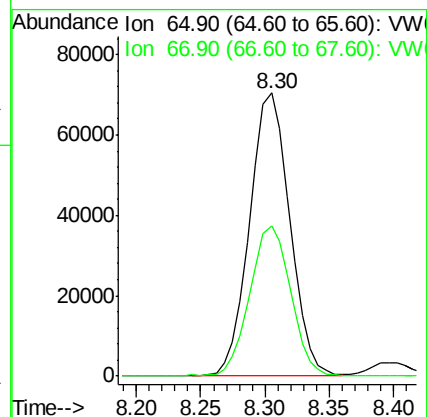
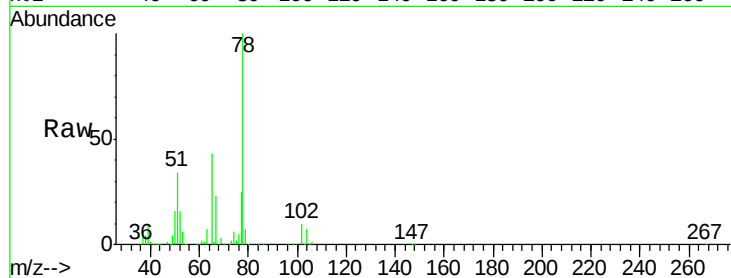
67 54.3 0.0 106.2

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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: VW013289.D

Acq: 25 Sep 2019 10:02

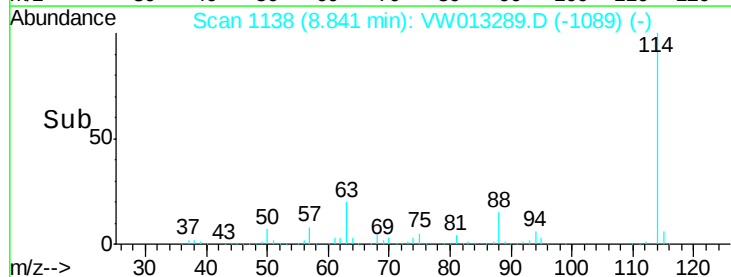
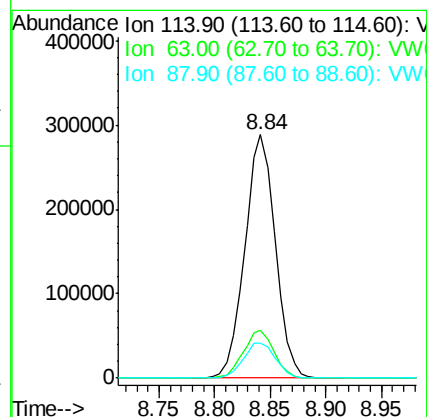
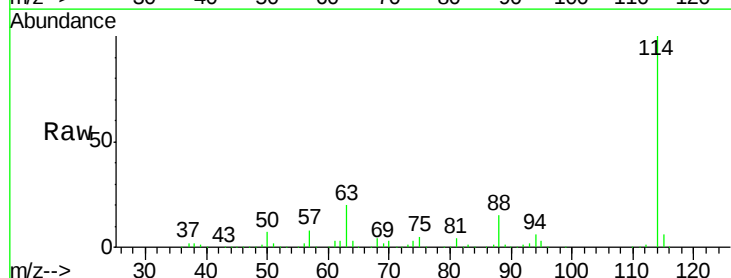
Tgt Ion: 114 Resp: 548859

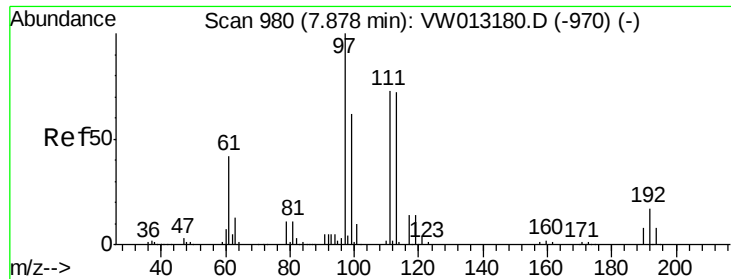
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

88 14.5 0.0 32.0





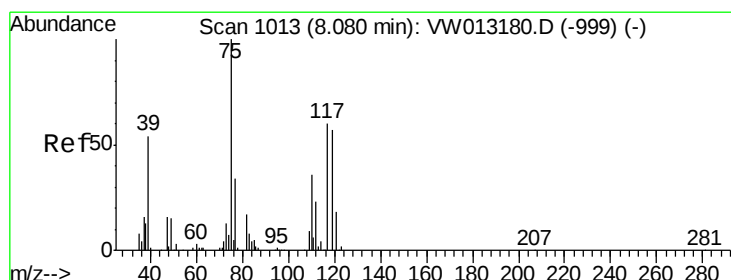
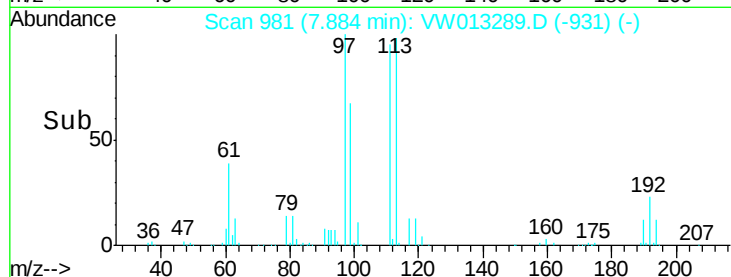
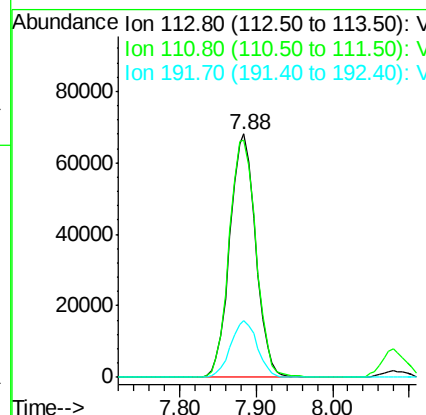
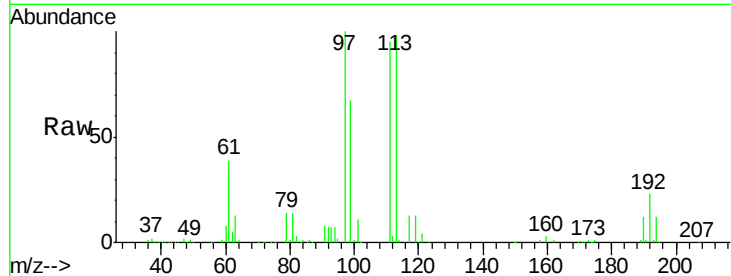
#35
 Dibromofluoromethane
 Concen: 52.860 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159571		
111	100.8	81.9	122.9	
192	23.8	19.1	28.7	

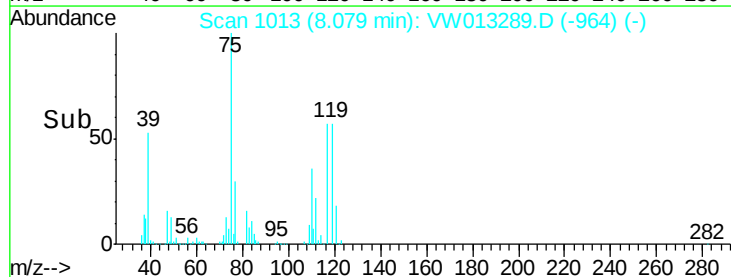
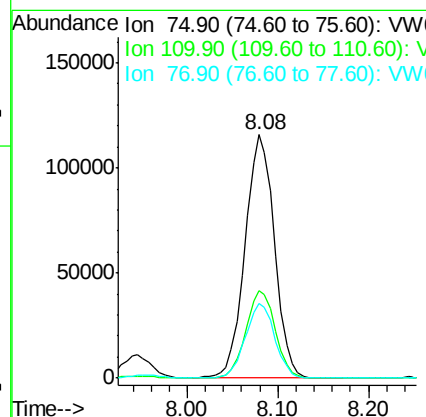
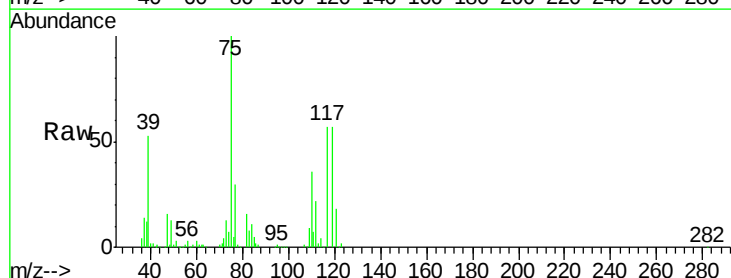
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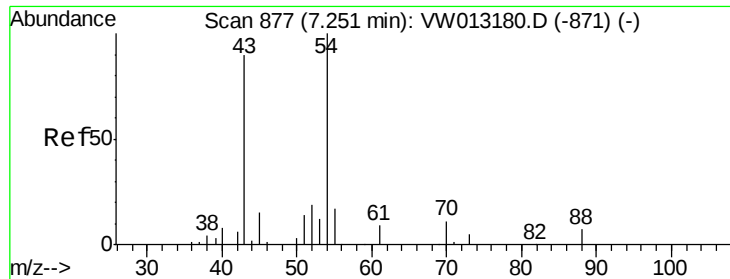
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#36
 1,1-Dichloropropene
 Concen: 48.841 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	259640		
110	35.8	18.1	54.3	
77	30.7	25.8	38.6	





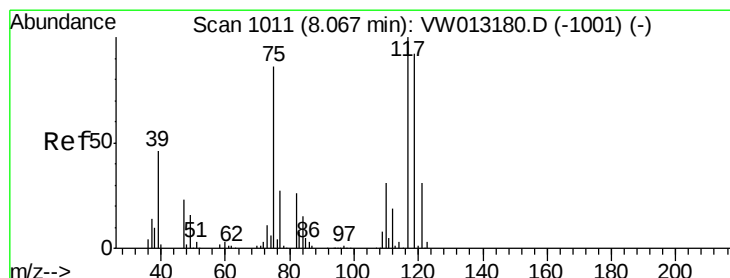
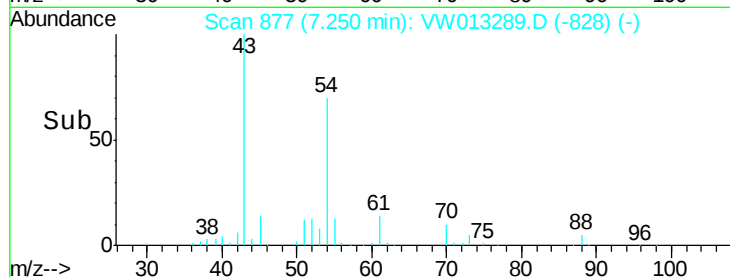
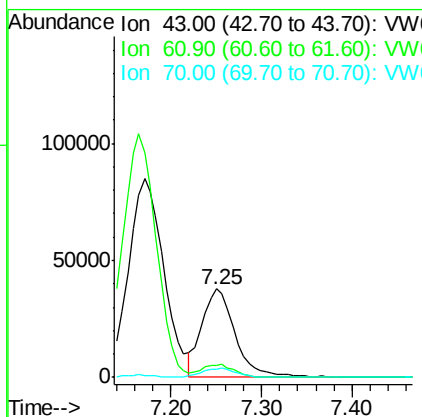
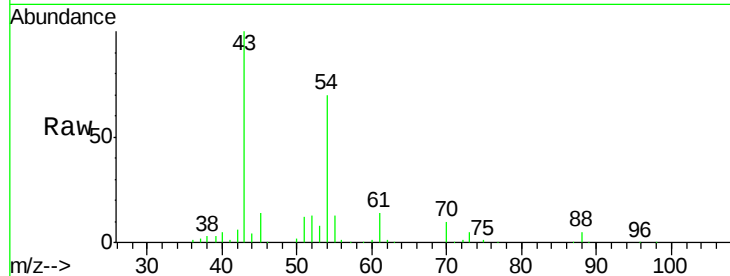
#37
Ethyl Acetate
Concen: 42.360 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	95706
Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	10.9	8.2	12.2

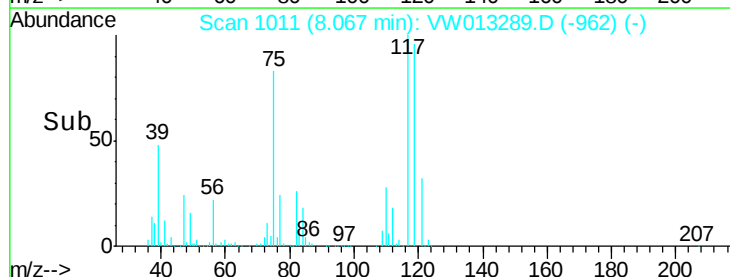
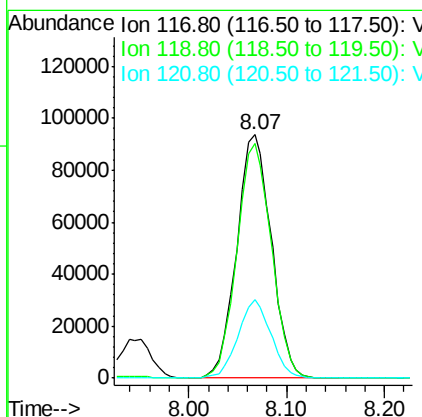
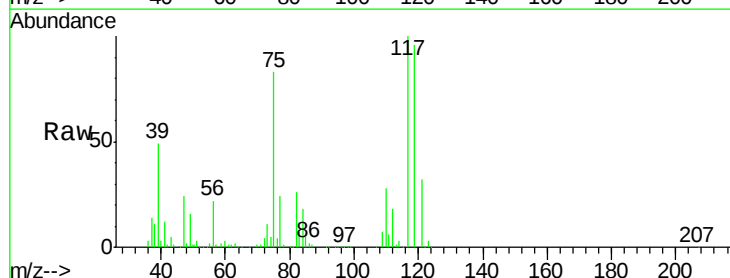
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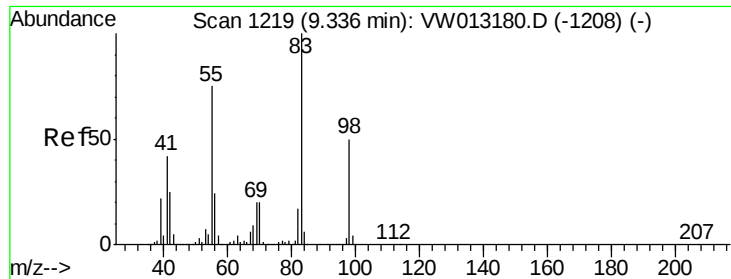
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#38
Carbon Tetrachloride
Concen: 48.215 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion:	117	Resp:	229771
Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.5	110.3
121	32.3	25.0	37.6





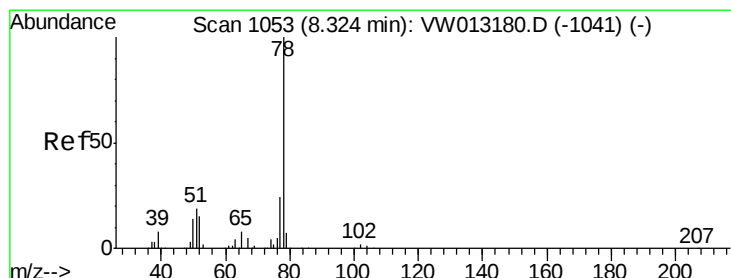
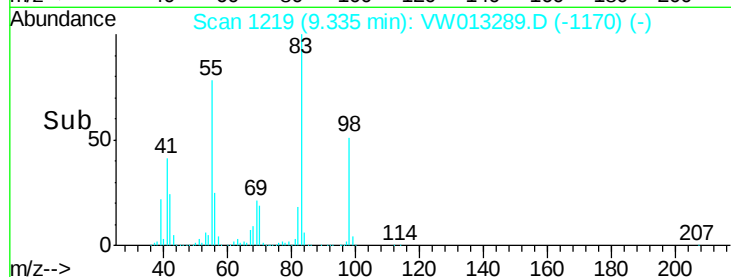
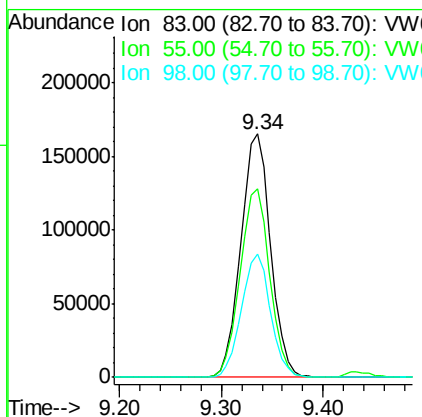
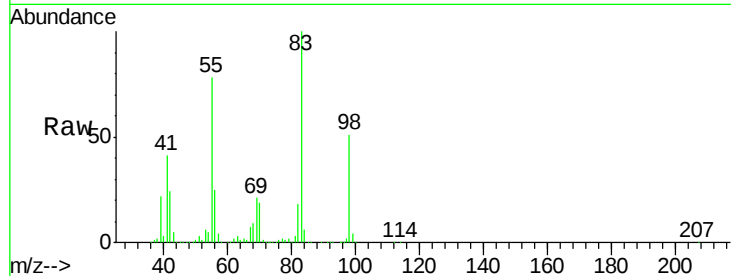
#39
Methvlcvclohexane
Concen: 49.017 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	334871		
55	77.7		60.4	90.6
98	50.6		40.0	60.0

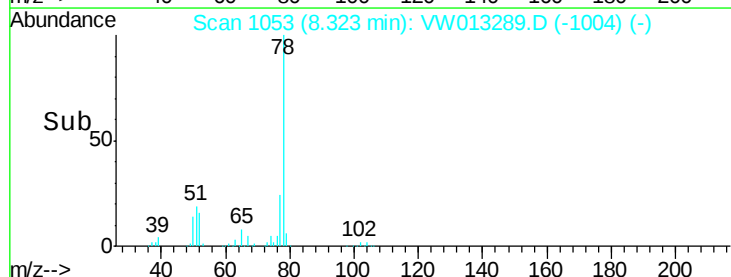
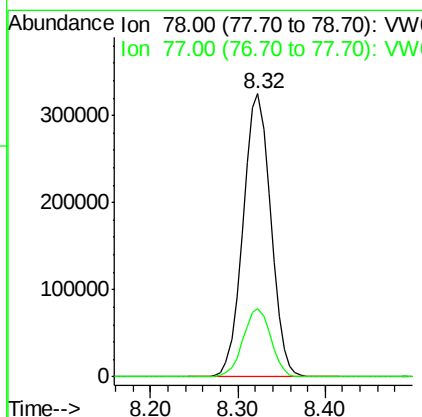
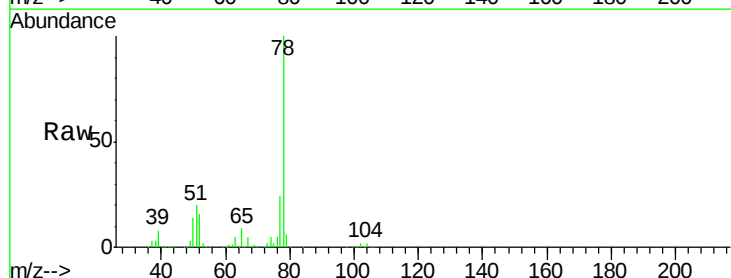
Manual Integrations
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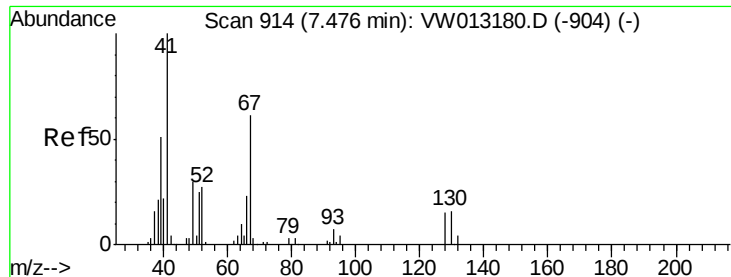
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#40
Benzene
Concen: 48.156 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	714061		
77	24.1		19.1	28.7





#41

Methacrylonitrile

Concen: 43.337 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

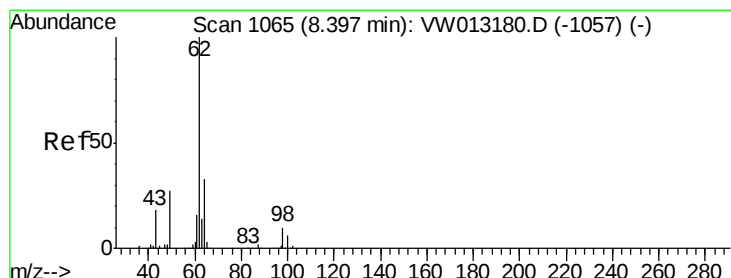
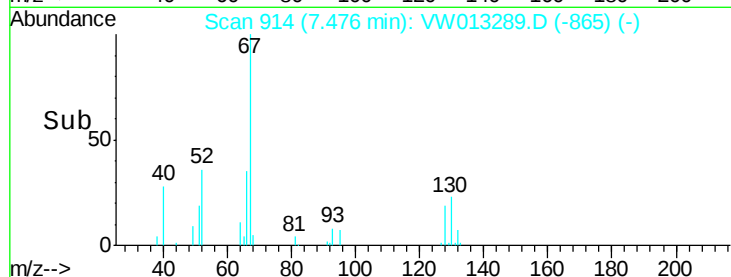
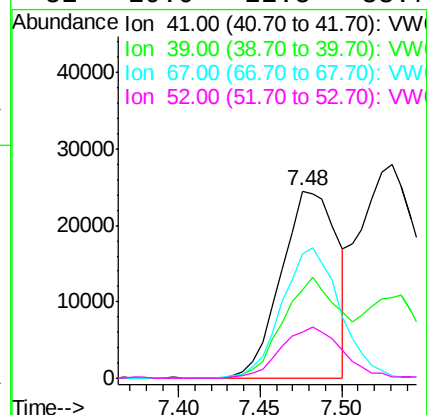
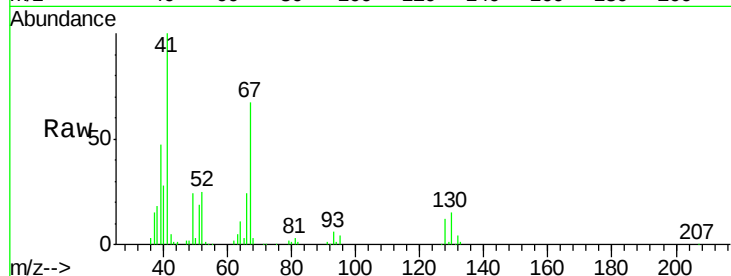
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	58438
Ion	Ratio	Lower	Upper
41	100		
39	55.5	45.9	68.9
67	72.6	54.5	81.7
52	29.9	22.5	33.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 45.294 ug/l

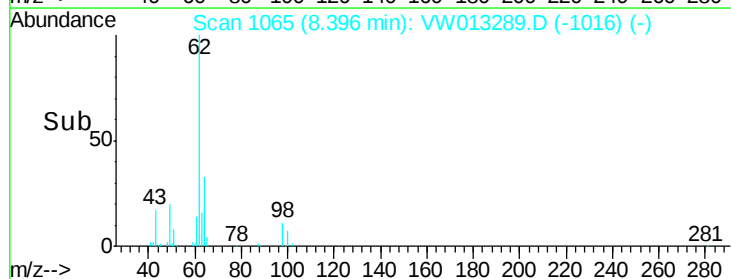
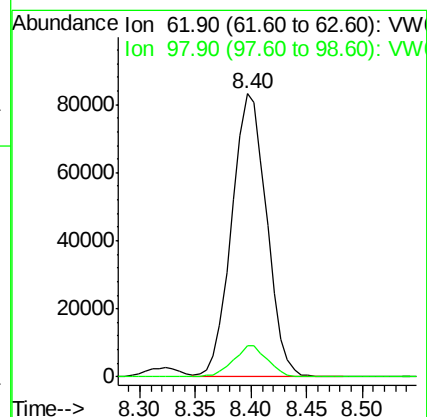
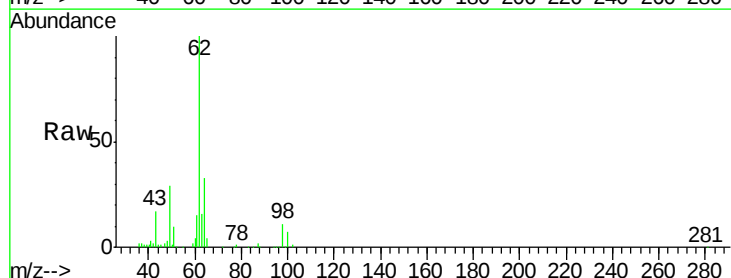
RT: 8.40 min Scan# 1065

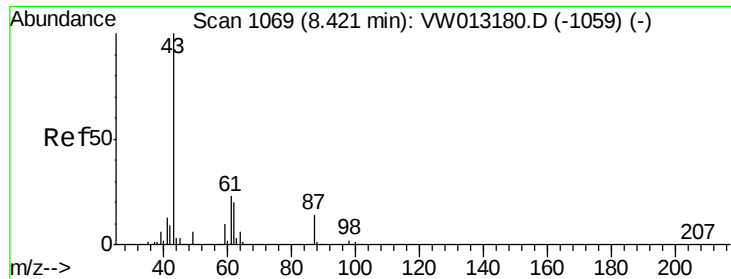
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion	62	Resp	180548
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 43.860 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

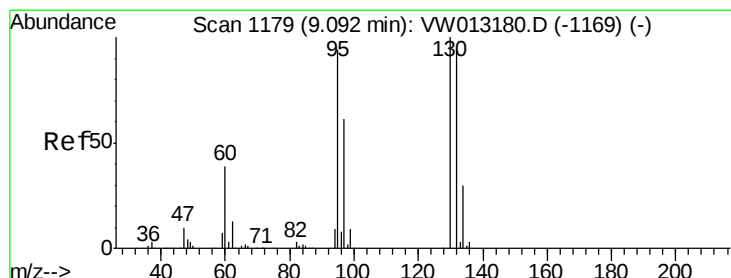
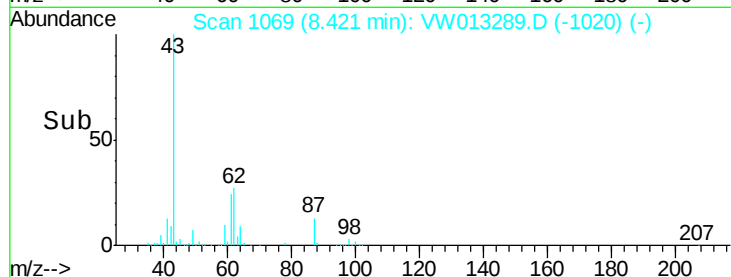
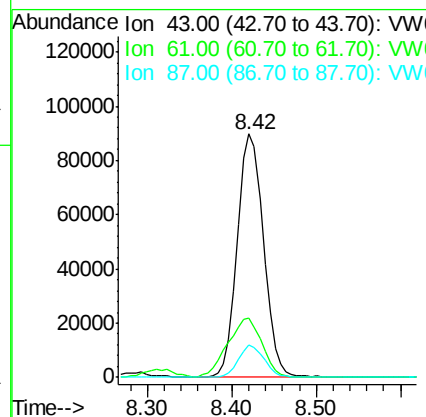
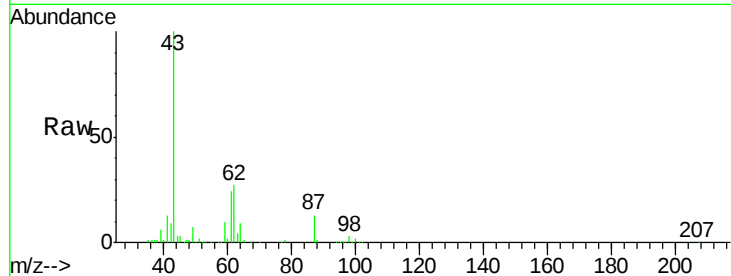
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	189924
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.5	38.3
87	12.9	11.0	16.4

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#44

Trichloroethene

Concen: 47.784 ug/l

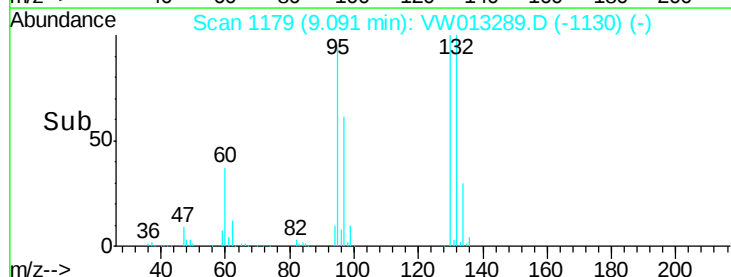
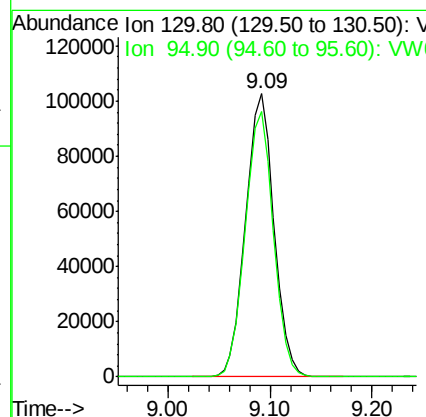
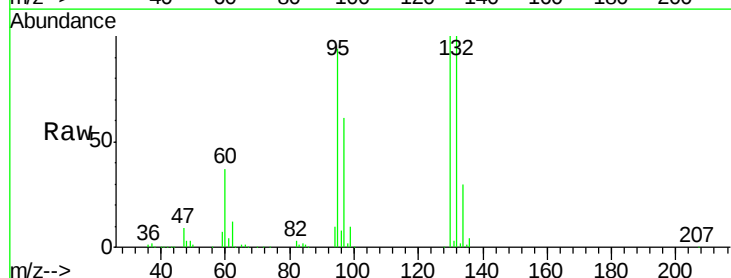
RT: 9.09 min Scan# 1179

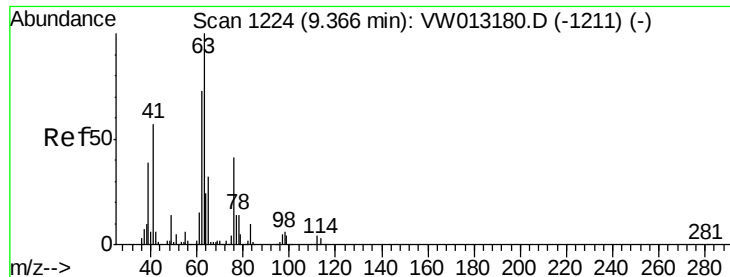
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion	130	Resp	198799
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	188.0





#45

1,2-Dichloropropane

Concen: 48.028 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 173869

Ion Ratio Lower Upper

63 100

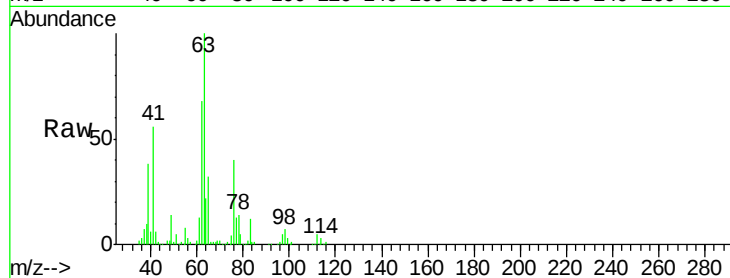
65 31.7 25.3 37.9

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

100000

80000

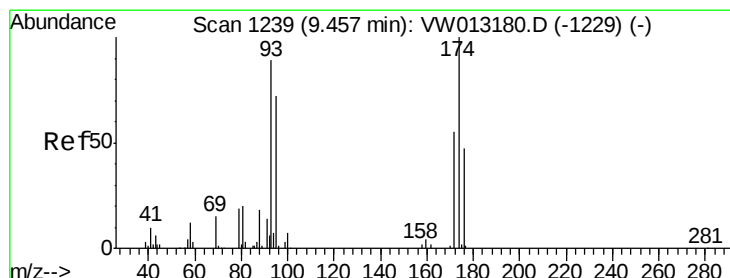
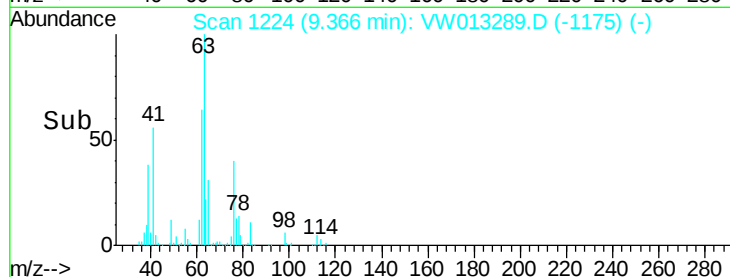
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 46.088 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

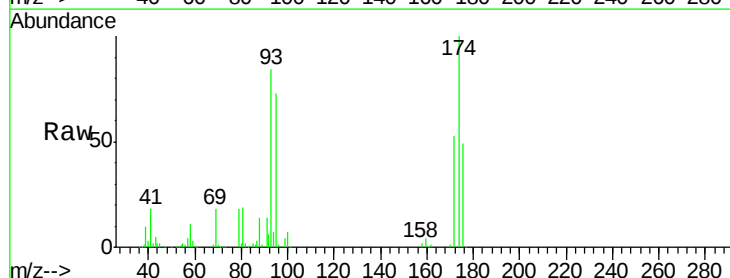
Tgt Ion: 93 Resp: 81003

Ion Ratio Lower Upper

93 100

95 83.6 66.4 99.6

174 119.9 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

60000

50000

40000

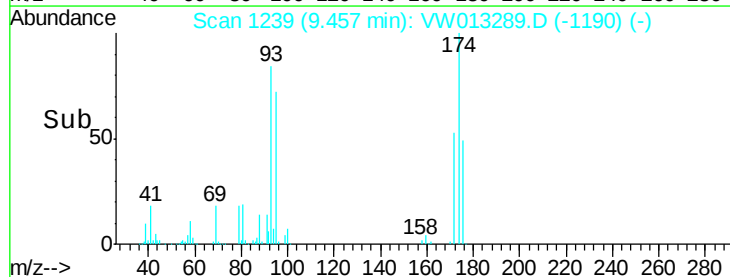
30000

20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 47.669 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

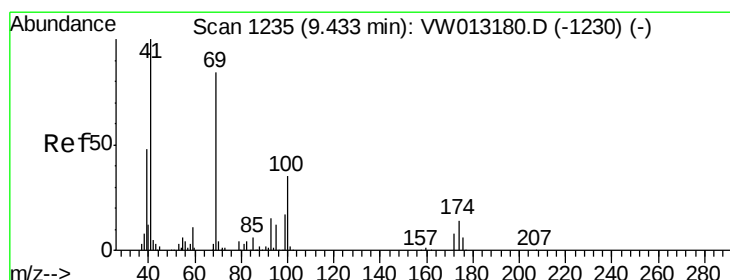
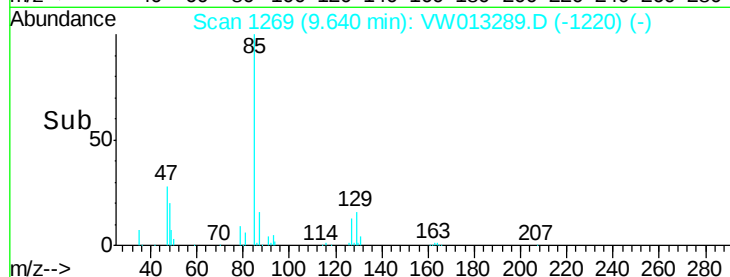
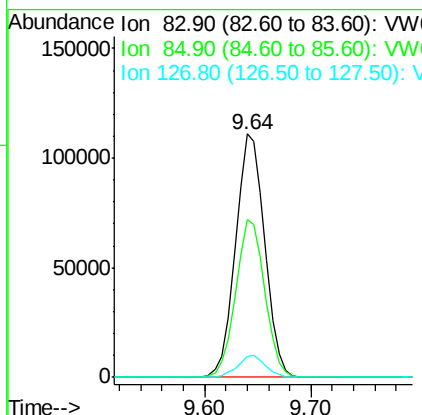
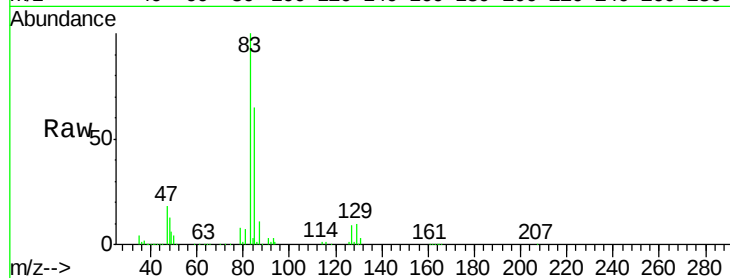
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	213186
Ion Ratio	Lower	Upper	
83	100		
85	64.9	49.4	74.2
127	8.5	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.276 ug/l

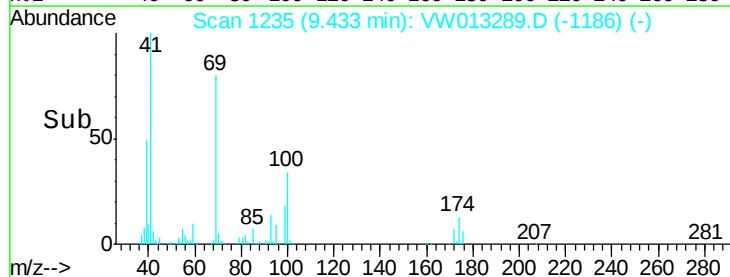
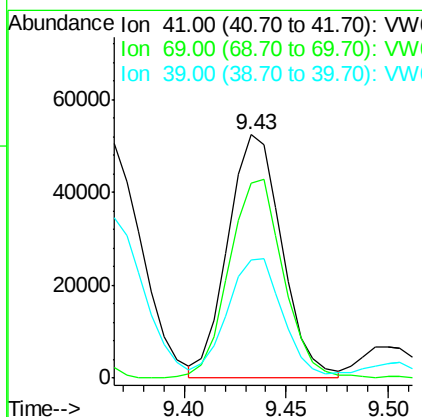
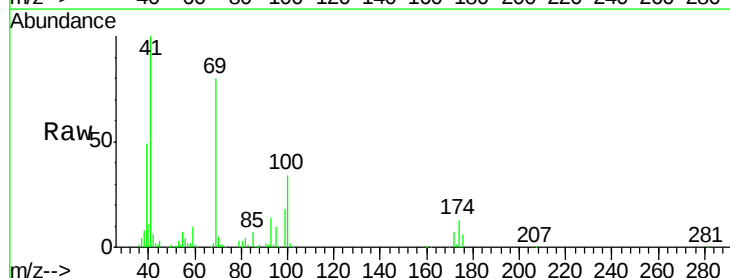
RT: 9.43 min Scan# 1235

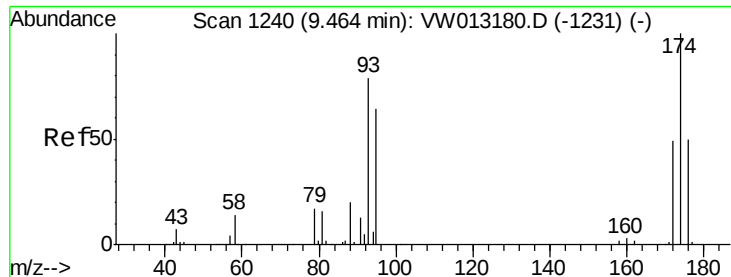
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion:	41	Resp:	96263
Ion Ratio	Lower	Upper	
41	100		
69	82.7	69.7	104.5
39	46.9	41.1	61.7





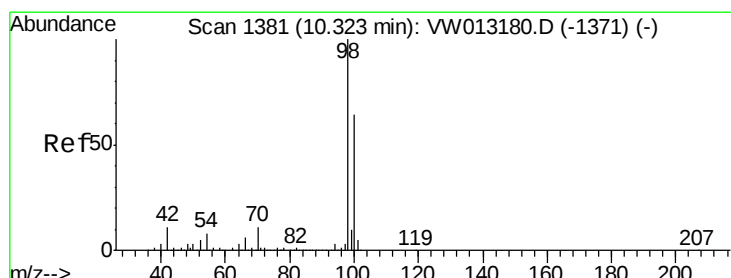
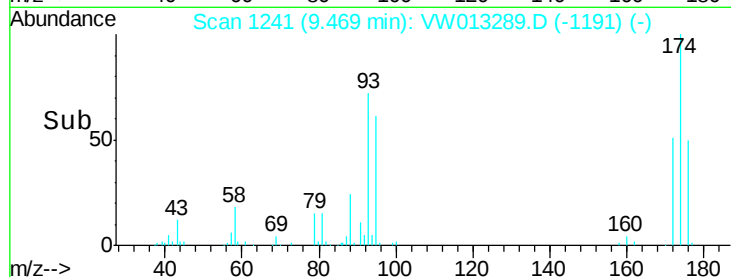
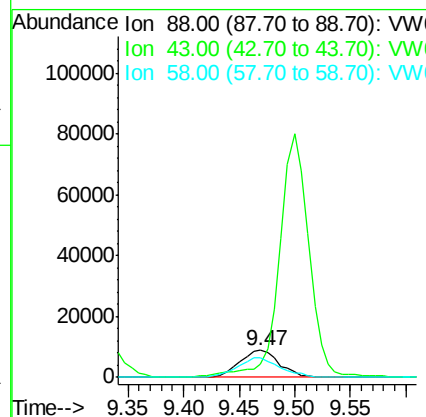
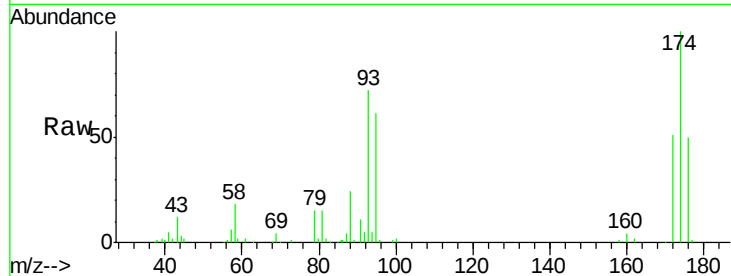
#49
1,4-Dioxane
Concen: 833.999 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	22003
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.9	65.4	98.0

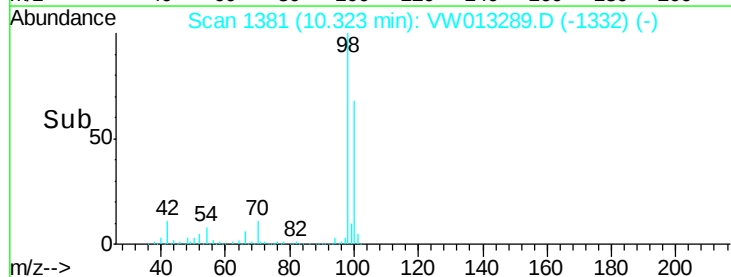
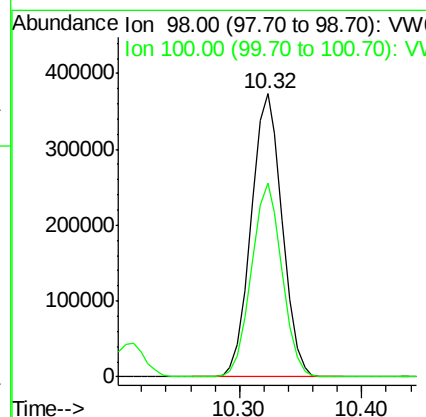
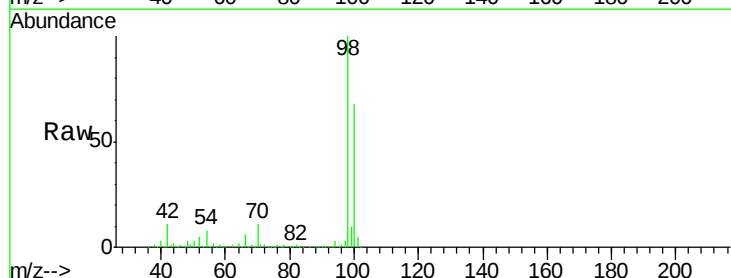
Manual Integrations
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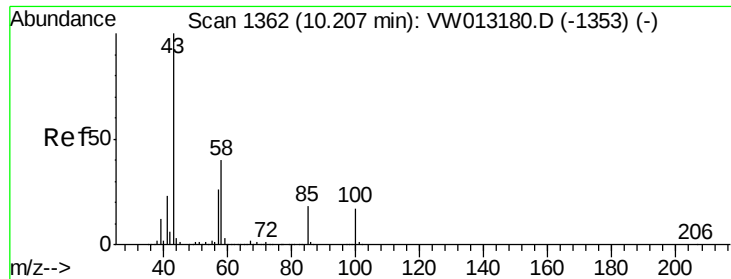
MMDadoda
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#50
Toluene-d8
Concen: 52.132 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	98	Resp	658625
Ion	Ratio	Lower	Upper
98	100		
100	67.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 215.237 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 467245

Ion Ratio Lower Upper

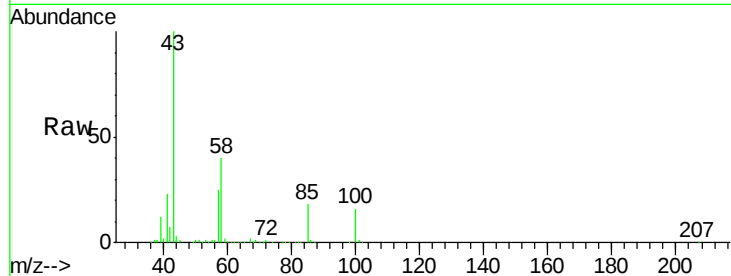
43 100

58 40.6 31.7 47.5

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

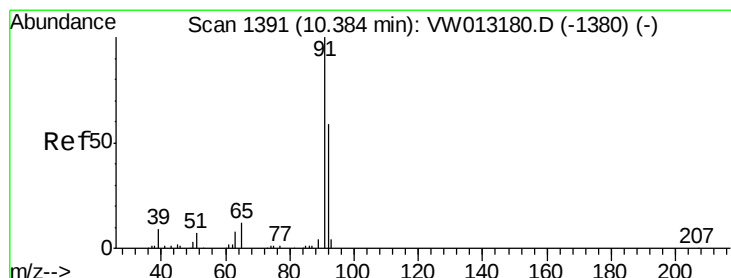
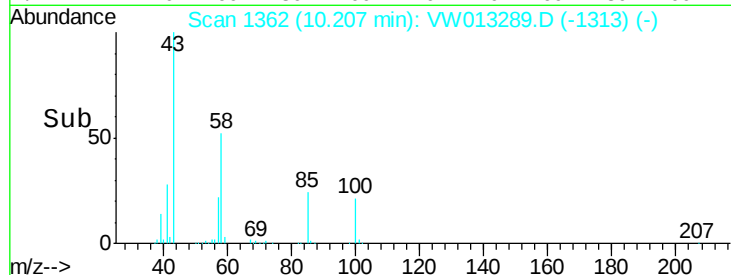
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 48.808 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013289.D

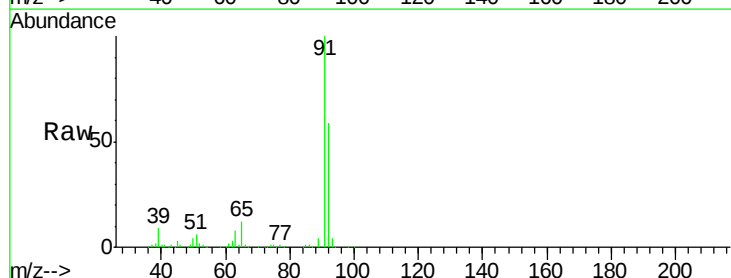
Acq: 25 Sep 2019 10:02

Tgt Ion: 92 Resp: 463832

Ion Ratio Lower Upper

92 100

91 169.5 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

500000

400000

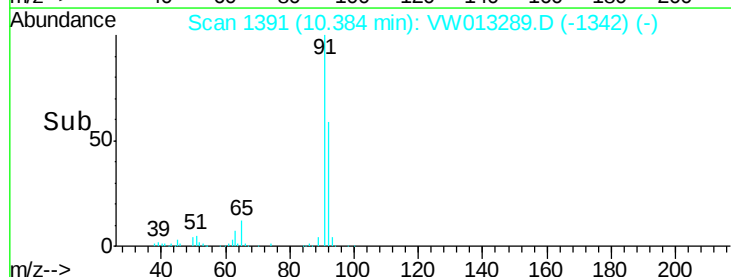
300000

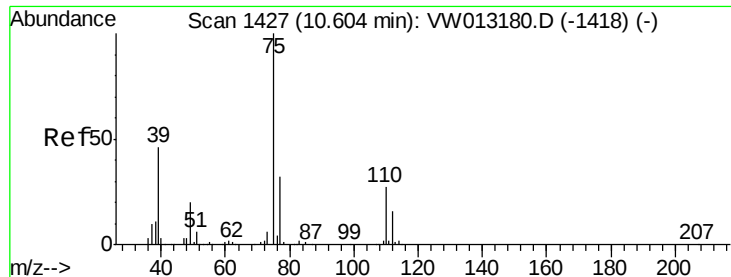
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.494 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 222821

Ion Ratio Lower Upper

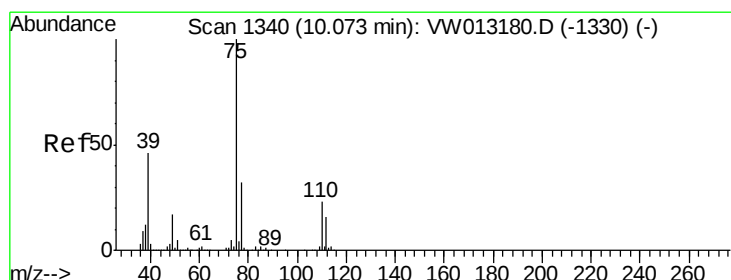
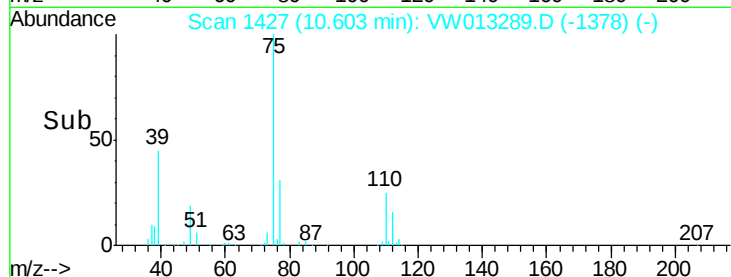
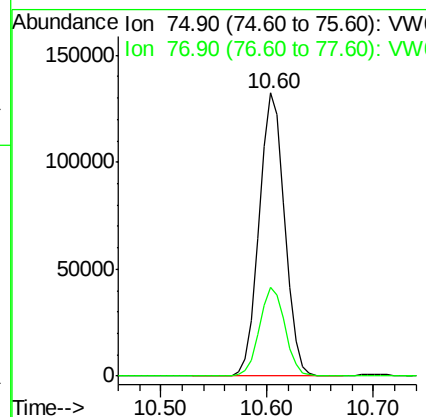
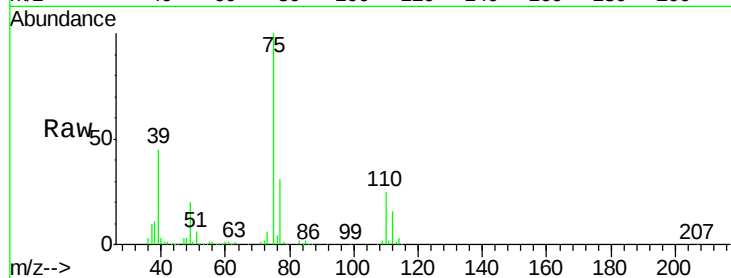
75 100

77 31.2 25.5 38.3

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 48.469 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

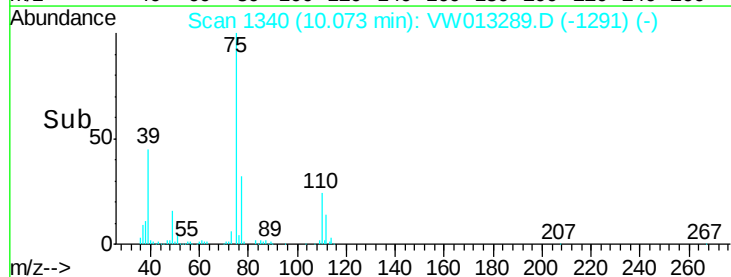
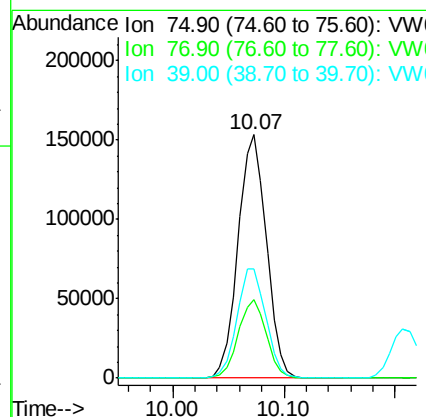
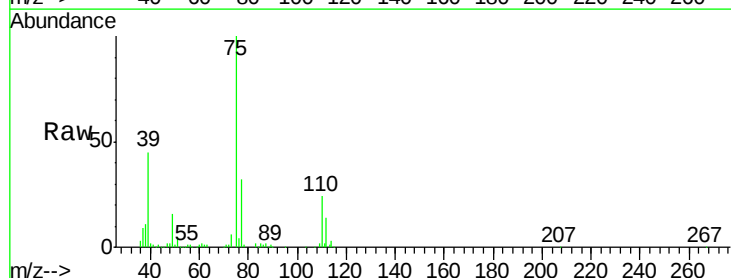
Tgt Ion: 75 Resp: 270780

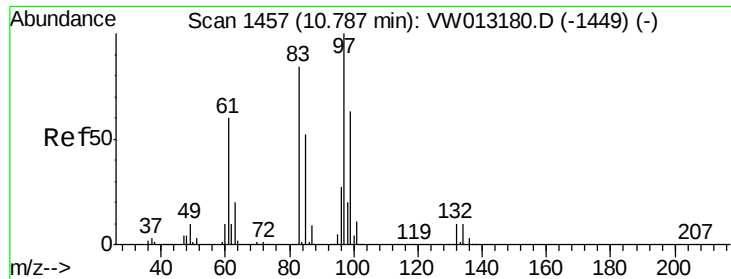
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 44.7 36.6 55.0





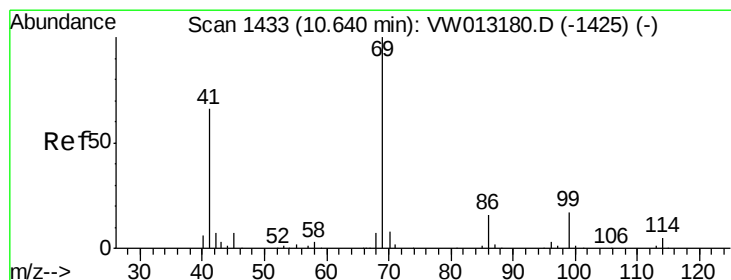
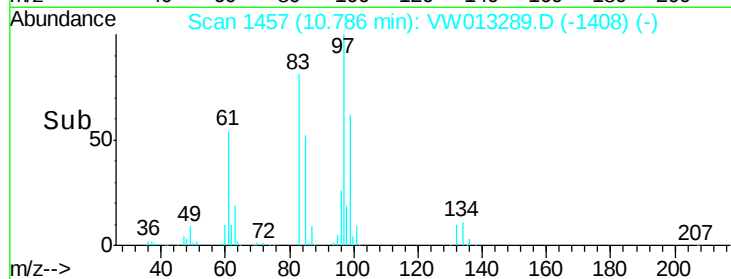
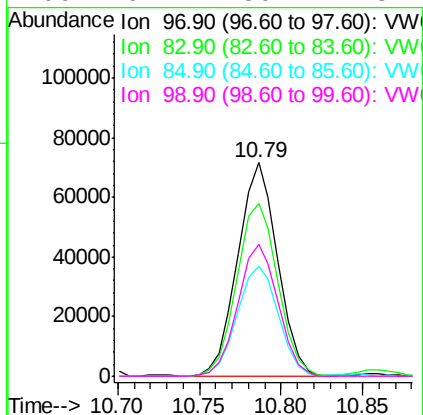
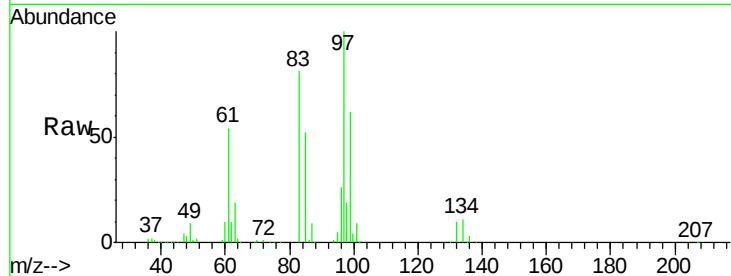
#55
 1,1,2-Trichloroethane
 Concen: 46.382 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	121848
Ion	Ratio	Lower	Upper
97	100		
83	80.9	67.6	101.4
85	51.7	41.9	62.9
99	61.7	50.1	75.1

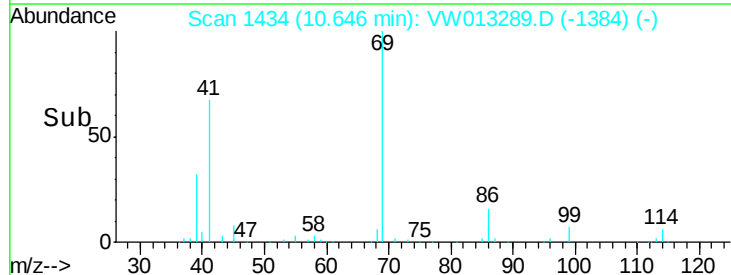
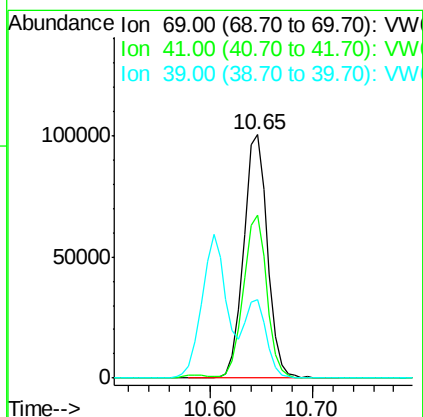
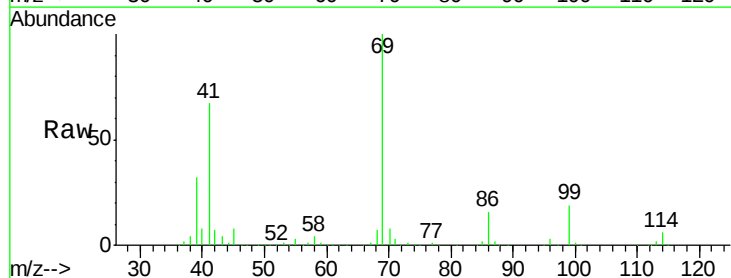
Manual Integrations
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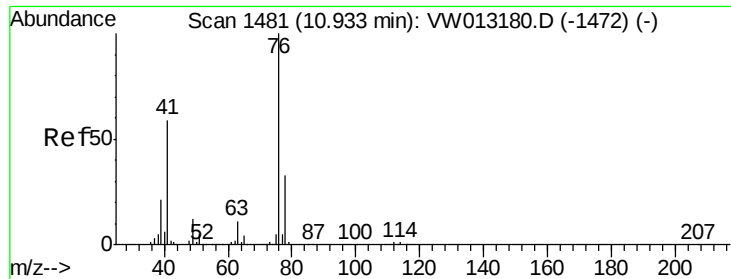
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#56
 Ethyl methacrylate
 Concen: 47.237 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion	69	Resp	162403
Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.9	80.9
39	29.1	23.8	35.6





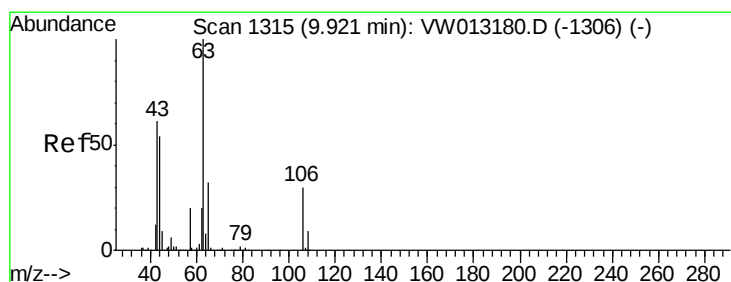
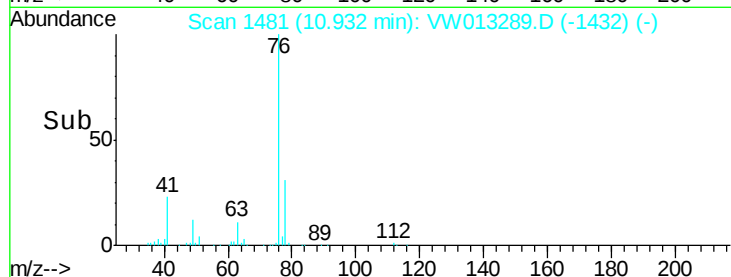
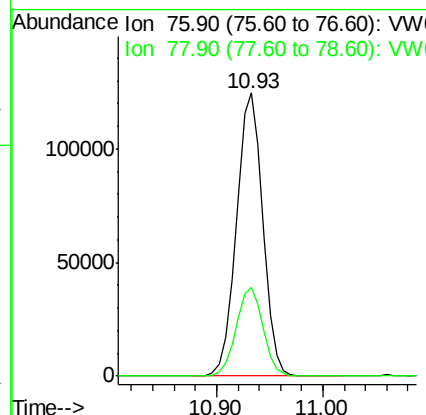
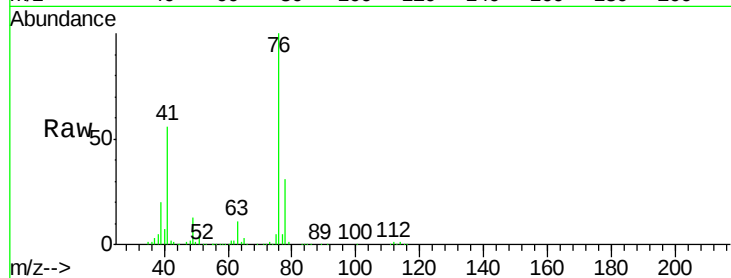
#57
 1,3-Dichloropropane
 Concen: 47.094 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

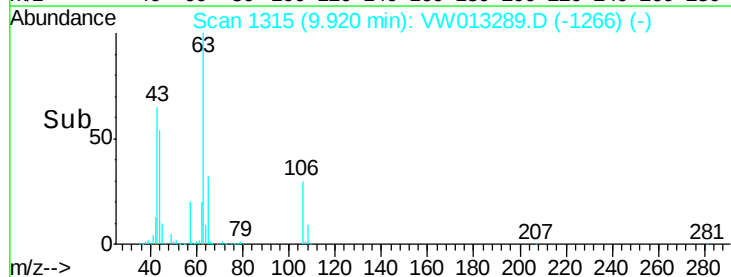
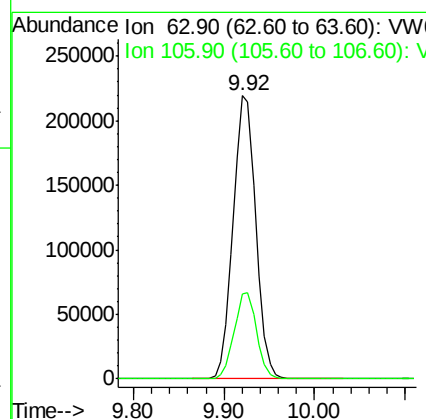
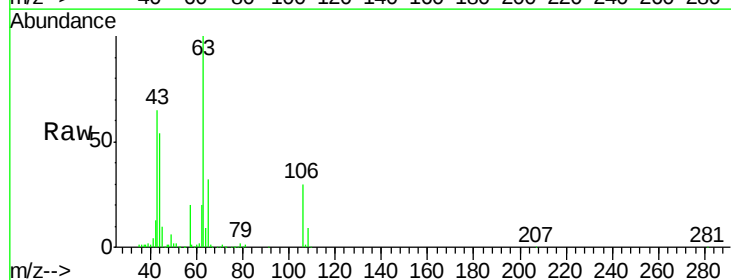
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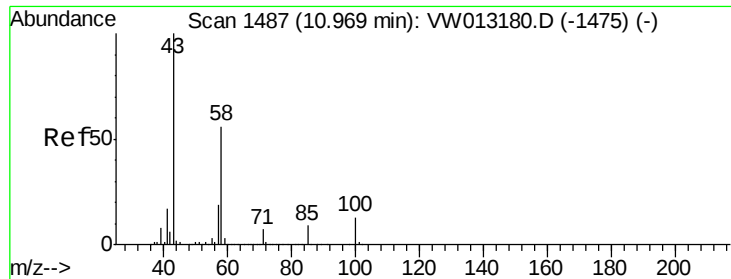
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.238 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.4	35.0





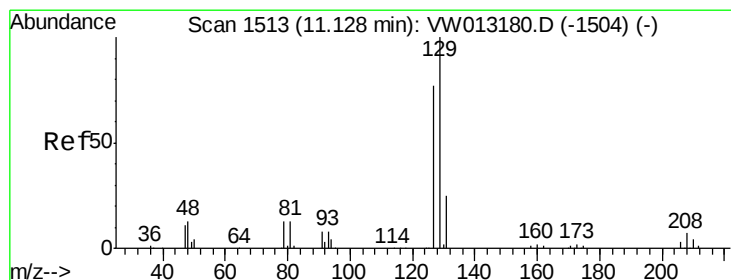
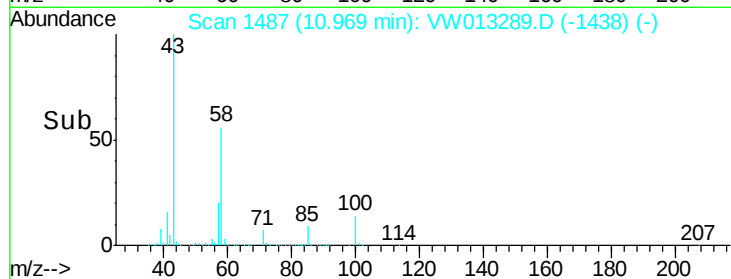
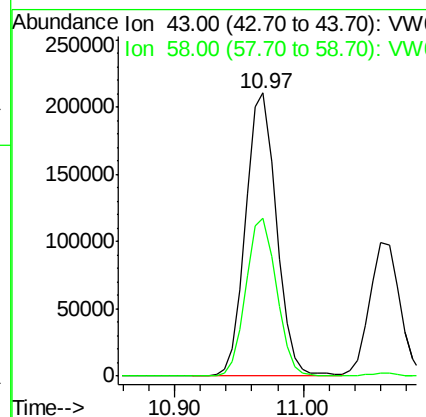
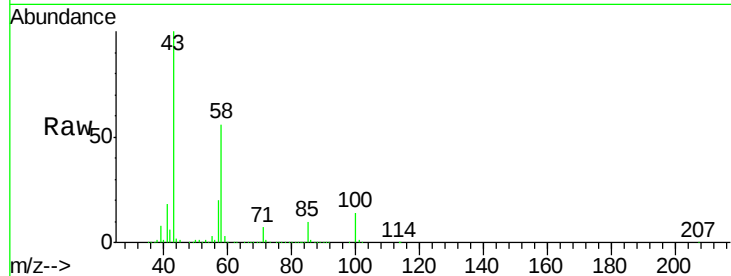
#59
2-Hexanone
Concen: 232.566 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	347344
Ion Ratio	Lower	Upper	
43	100		
58	55.6	28.1	84.2

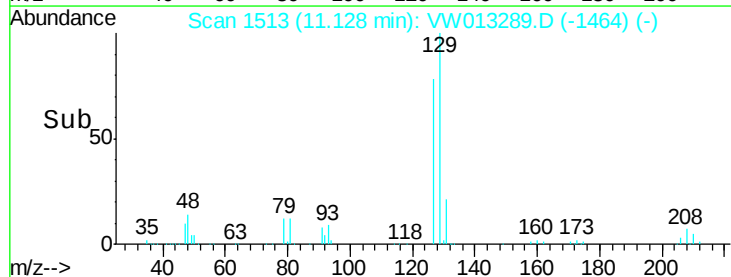
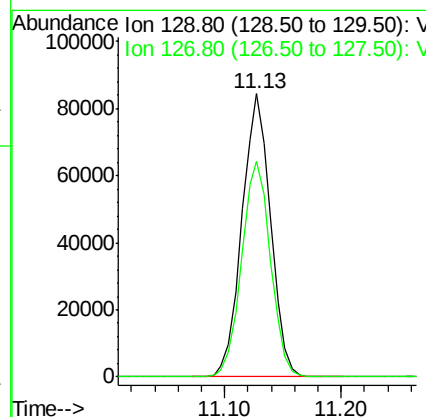
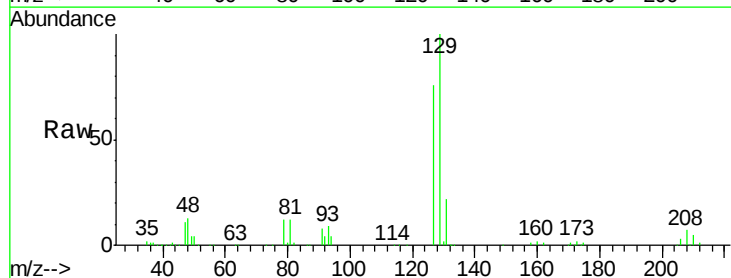
Manual Integrations
APPROVED

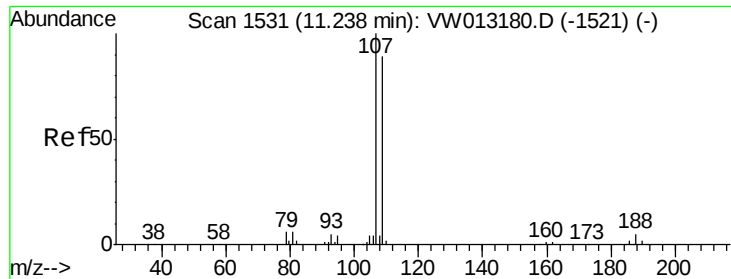
MMDadoda
9/26/2019 3:33:06 PM



#60
Dibromochloromethane
Concen: 48.423 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	129	Resp	144444
Ion Ratio	Lower	Upper	
129	100		
127	76.8	38.8	116.4





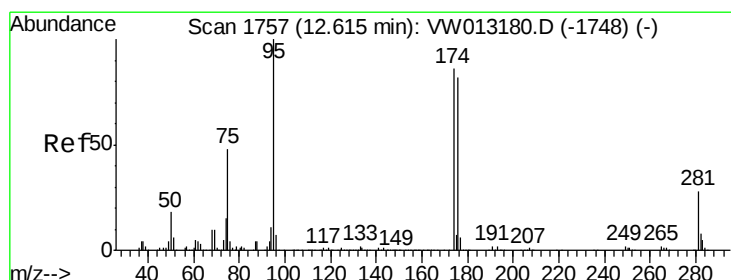
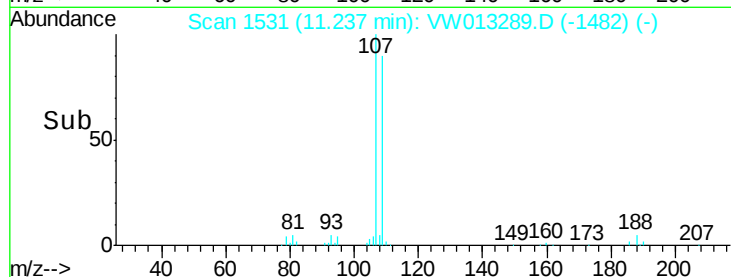
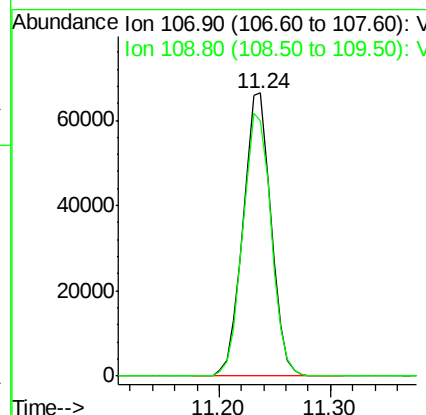
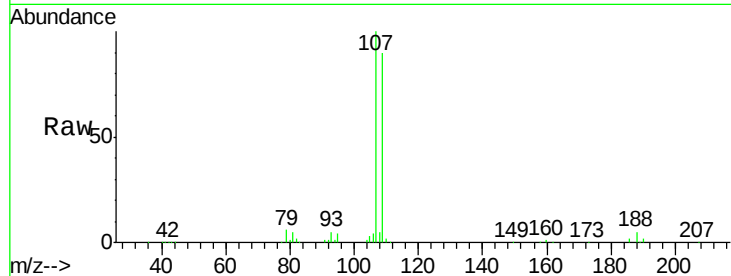
#61
 1,2-Dibromoethane
 Concen: 46.458 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	116042		
109	94.1	75.2	112.8	

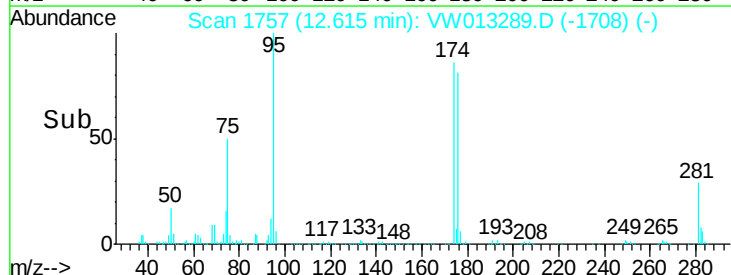
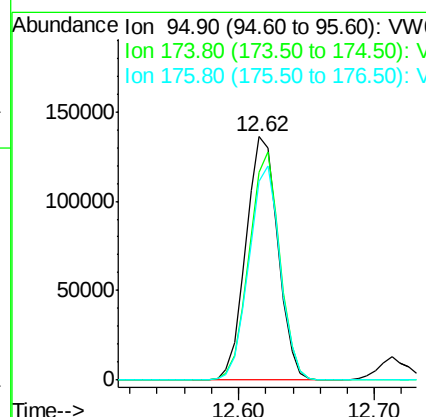
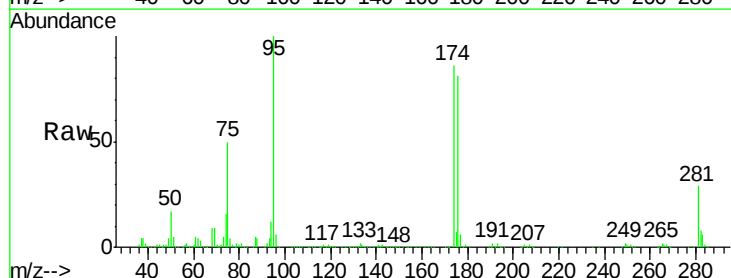
Manual Integrations
 APPROVED

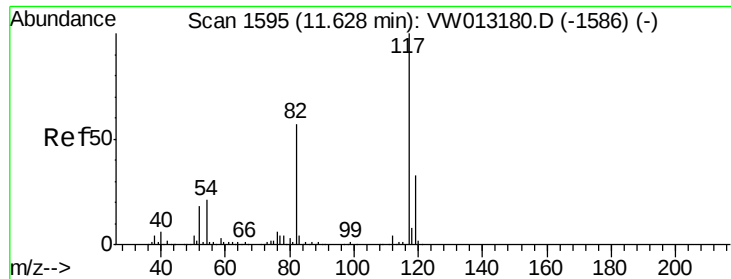
MMDadoda
 9/26/2019 3:33:06 PM



#62
 4-Bromofluorobenzene
 Concen: 51.967 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	224269		
174	90.1	0.0	178.4	
176	86.0	0.0	172.2	





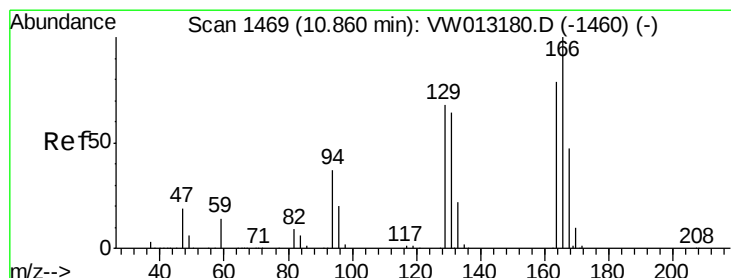
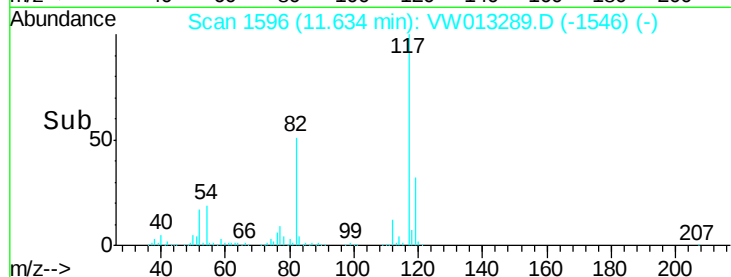
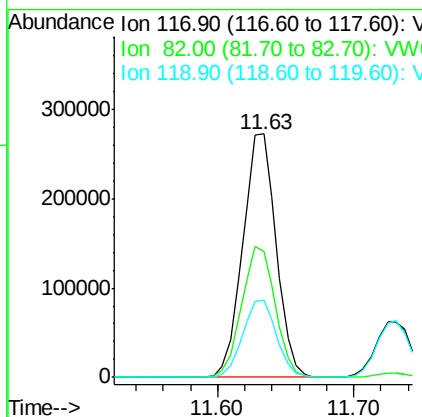
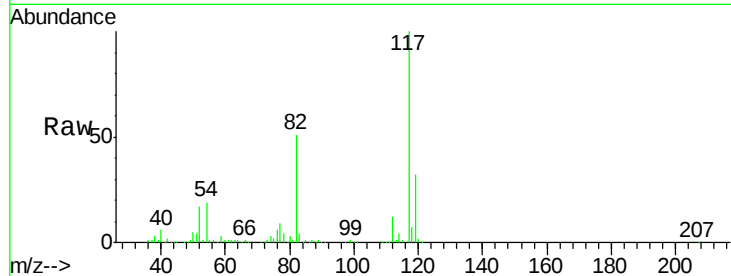
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	467946		
82	51.5		45.9	68.9
119	31.9		26.2	39.2

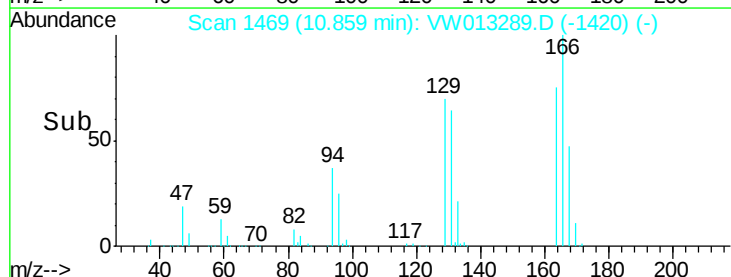
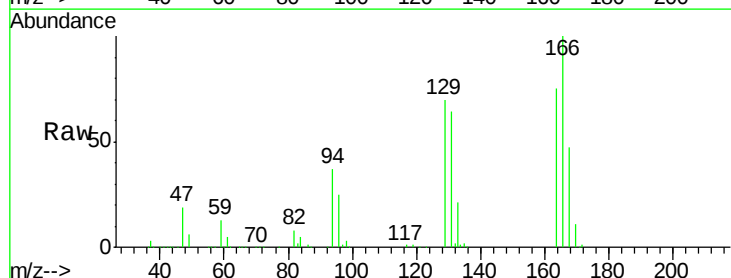
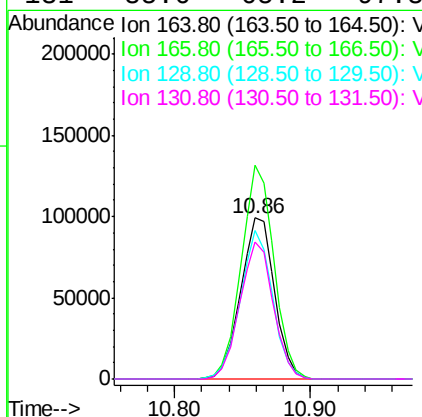
Manual Integrations
APPROVED

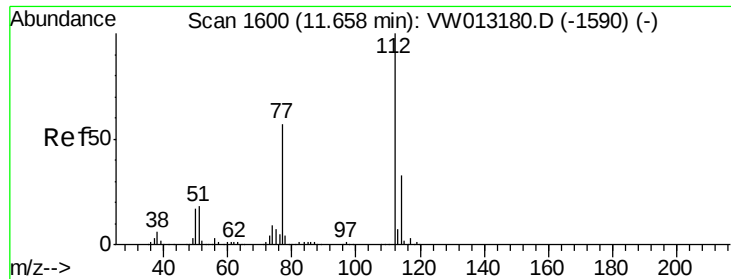
MMDadoda
9/26/2019 3:33:06 PM



#64
Tetrachloroethene
Concen: 48.406 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	171864		
166	132.9		101.2	151.8
129	92.8		68.8	103.2
131	85.6		65.2	97.8





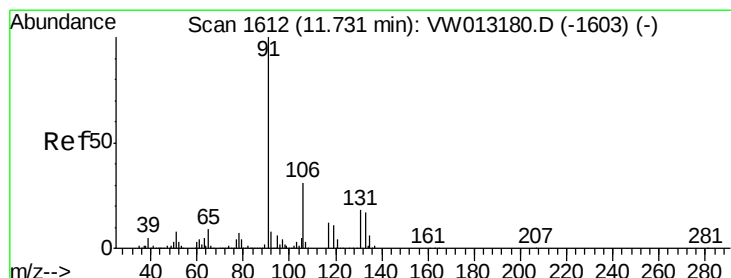
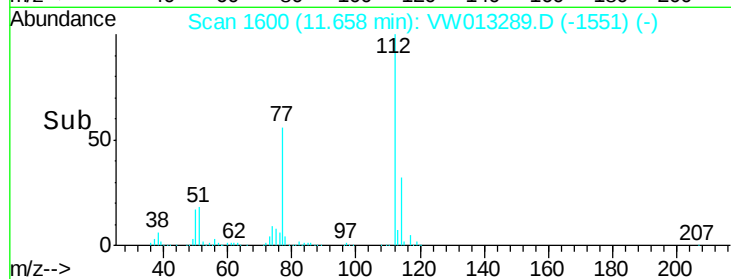
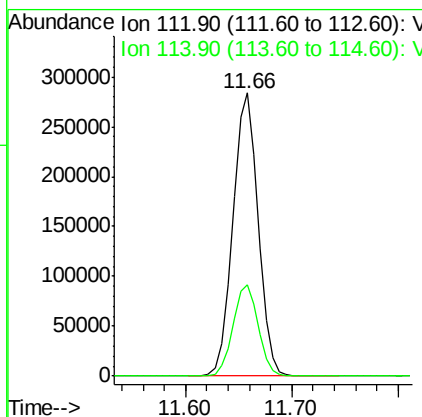
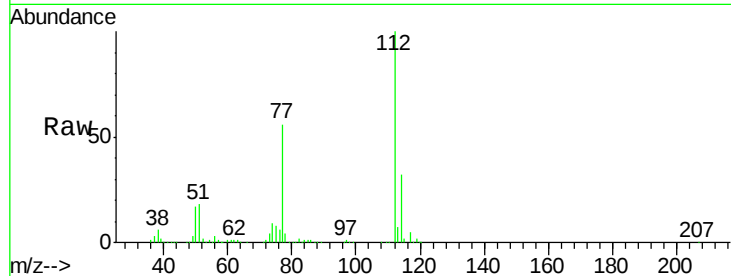
#65
Chlorobenzene
Concen: 48.231 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.5	39.7

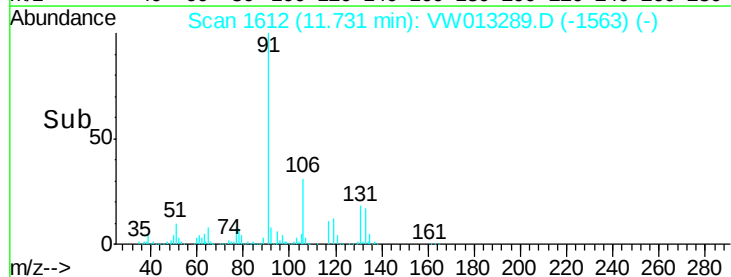
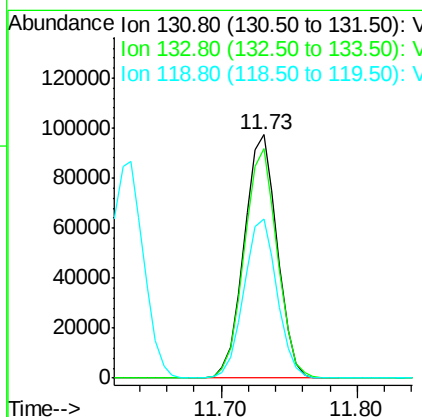
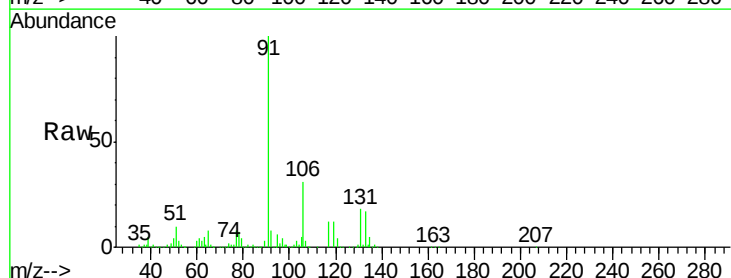
Manual Integrations
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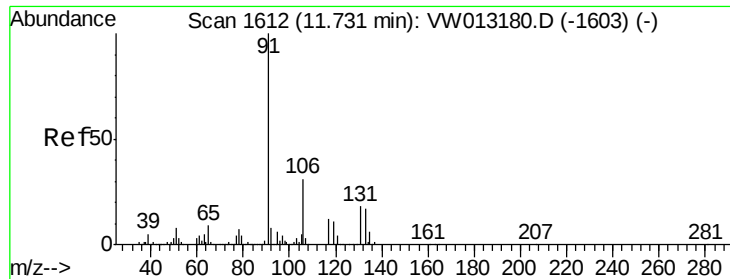
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.628 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.5	142.6
119	65.4	32.5	97.5





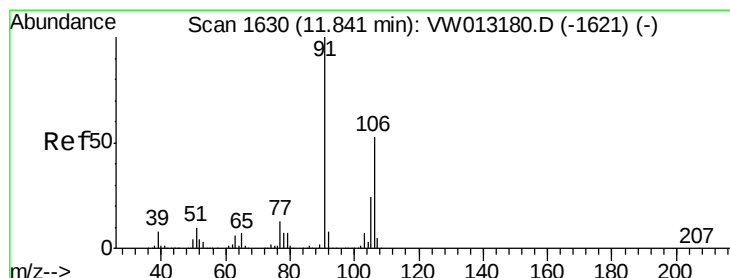
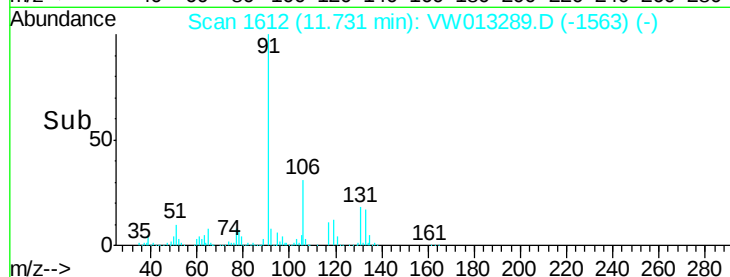
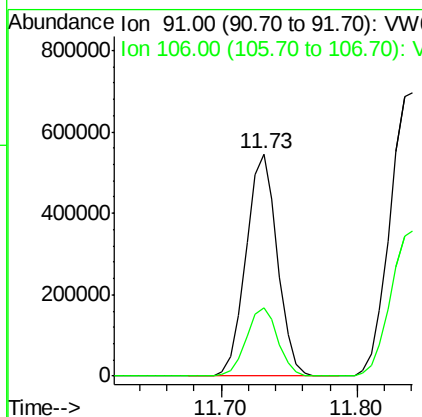
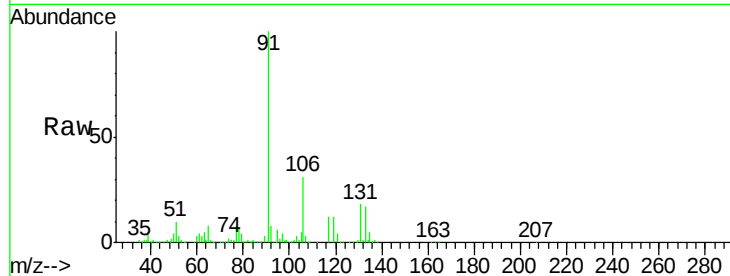
#67
Ethyl Benzene
Concen: 49.547 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.9	37.3

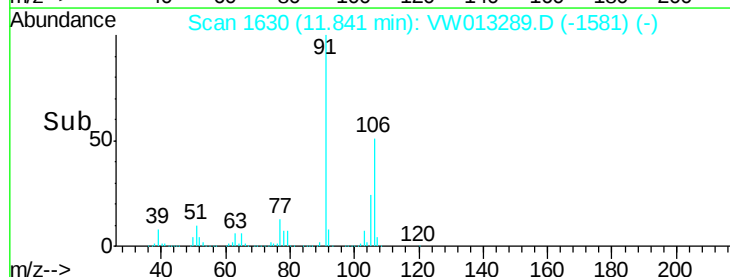
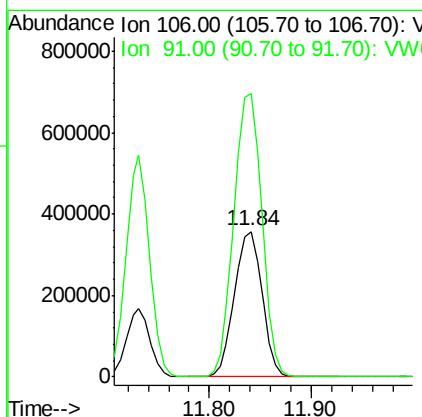
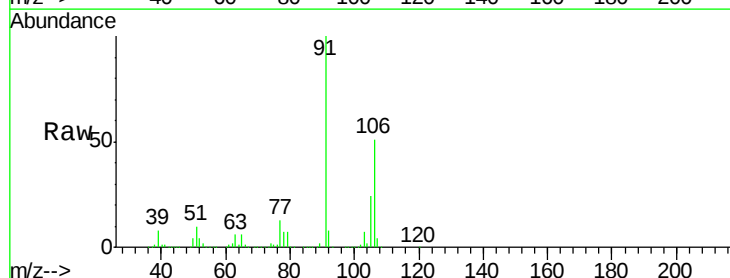
Manual Integrations
APPROVED

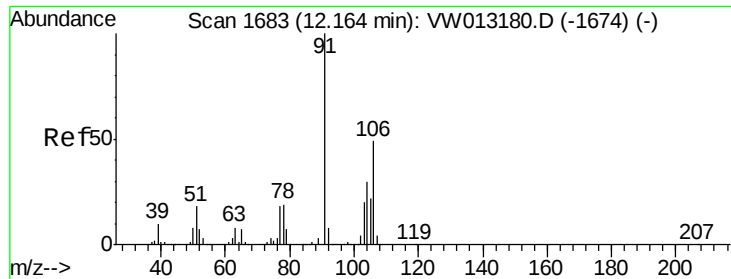
MMDadoda
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#68
m/p-Xylenes
Concen: 99.250 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.8	157.9	236.9





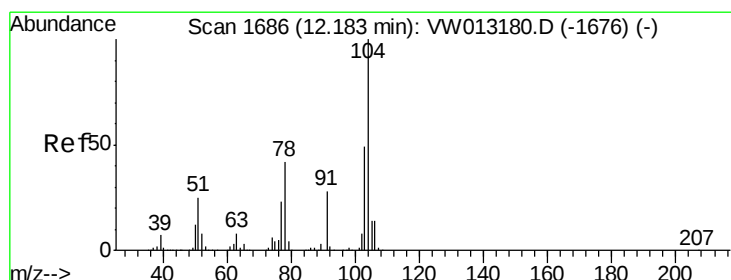
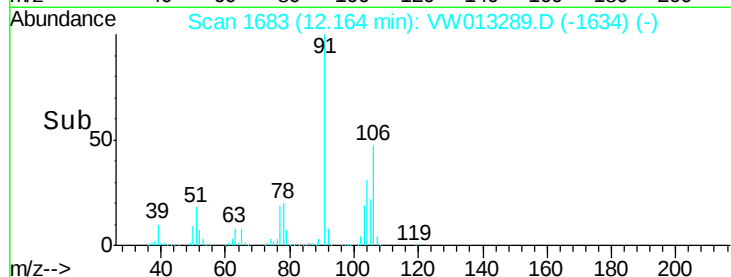
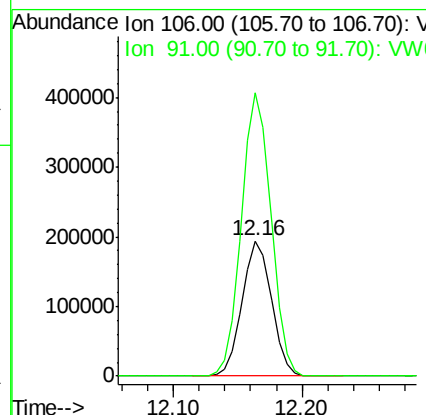
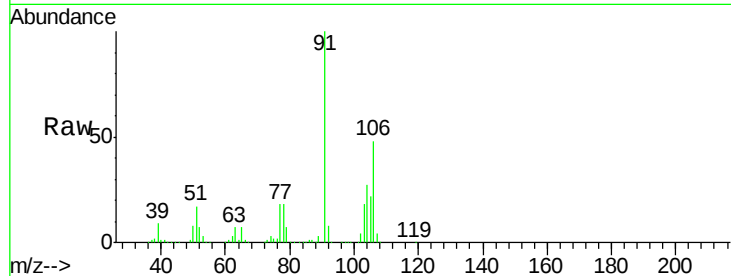
#69
o-Xylene
Concen: 49.018 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	106.5	319.5

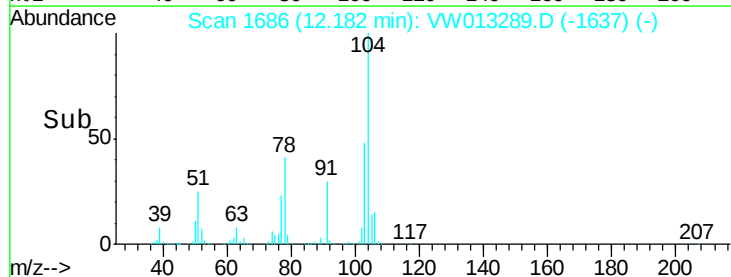
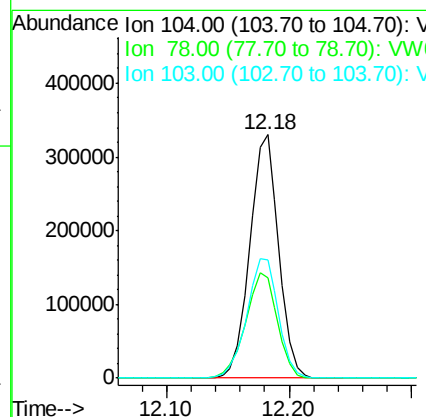
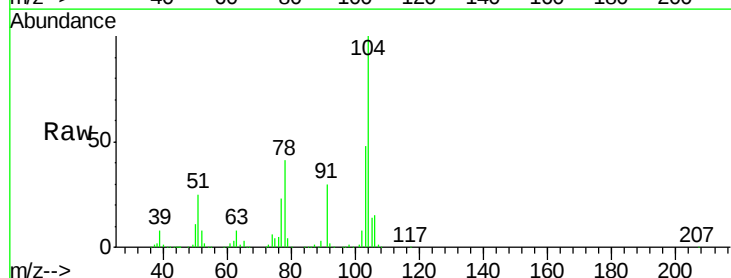
Manual Integrations
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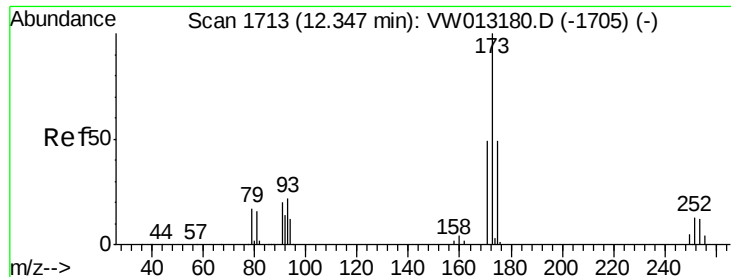
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#70
Styrene
Concen: 50.091 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.4	57.6
103	53.7	43.3	64.9





#71

Bromoform

Concen: 46.804 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82546

Ion Ratio Lower Upper

173 100

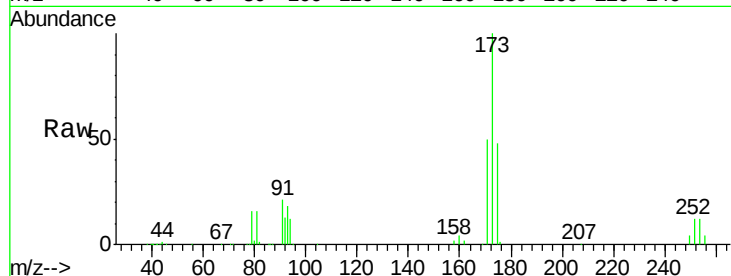
175 48.4 24.3 73.0

254 0.0 0.1 0.1#

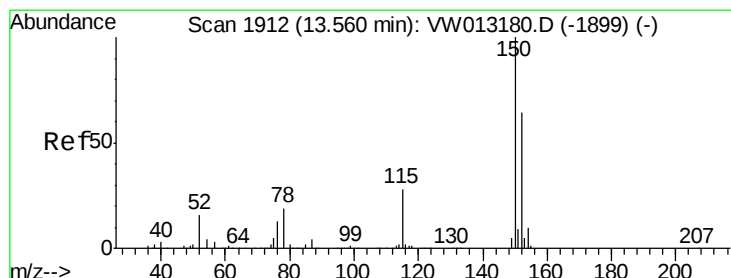
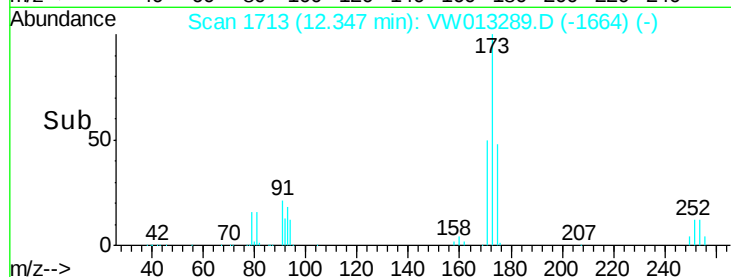
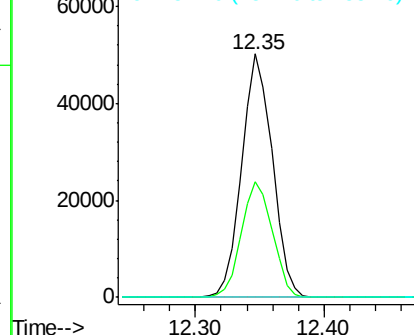
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

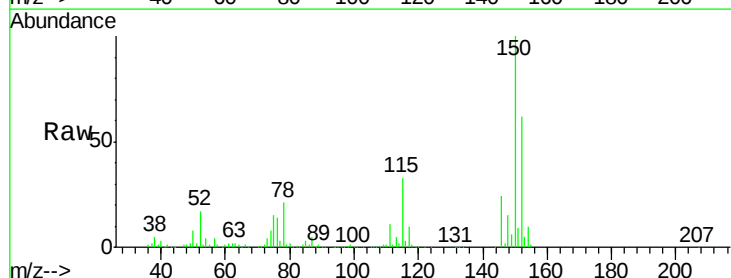
Tgt Ion:152 Resp: 235518

Ion Ratio Lower Upper

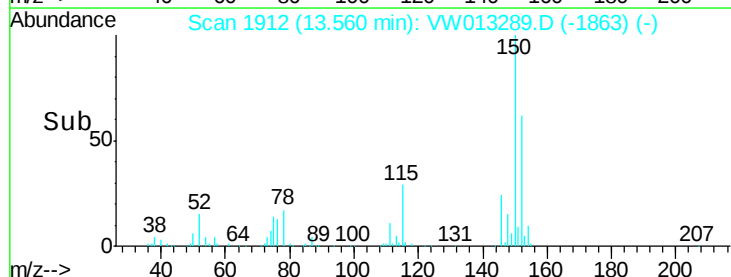
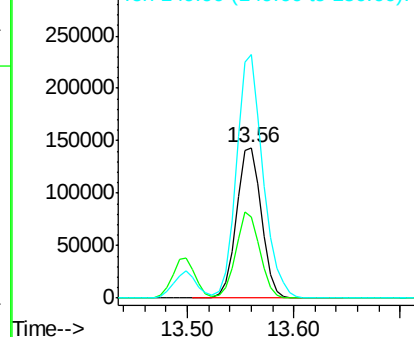
152 100

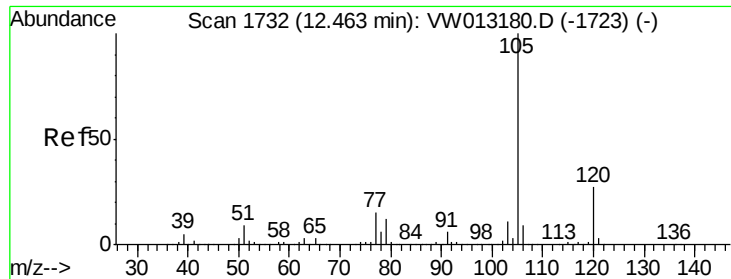
115 55.0 27.3 81.9

150 171.6 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: 49.773 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 865943

Ion Ratio Lower Upper

105 100

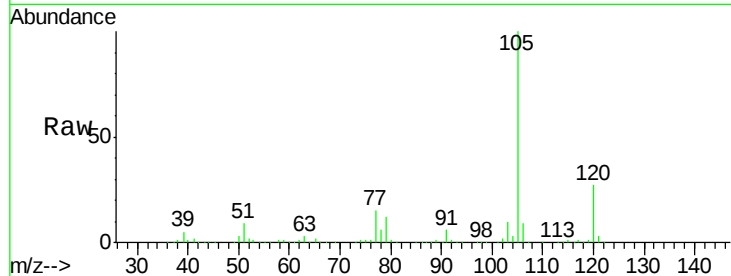
120 26.8 13.4 40.1

Manual Integrations

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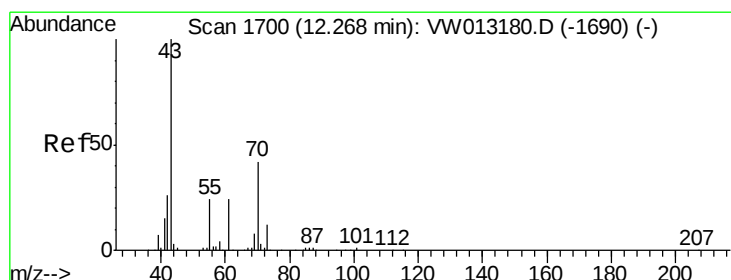
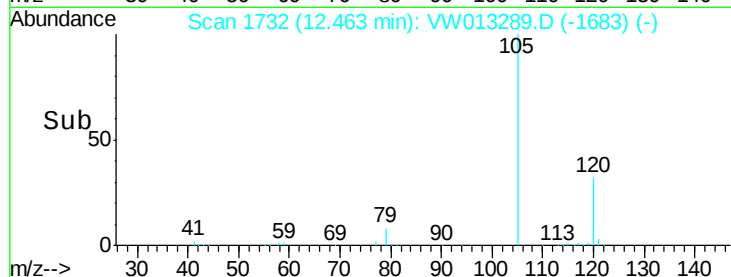
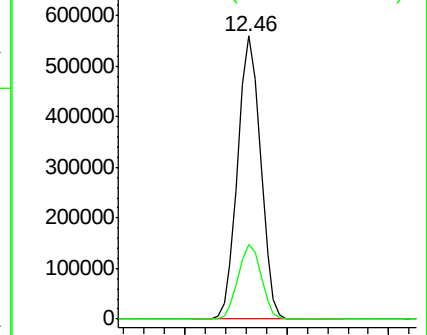
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.425 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion: 43 Resp: 175368

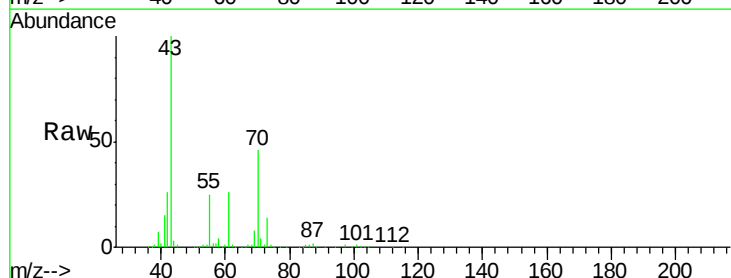
Ion Ratio Lower Upper

43 100

70 43.8 35.1 52.7

55 24.6 19.9 29.9

61 25.5 19.5 29.3

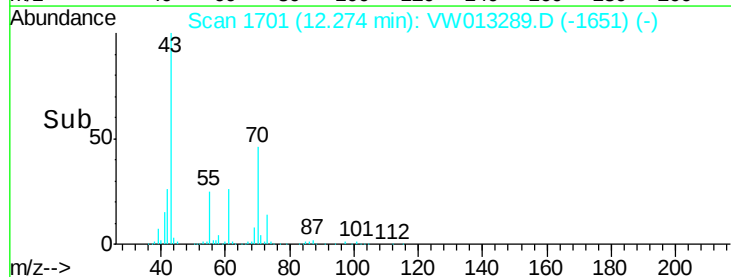
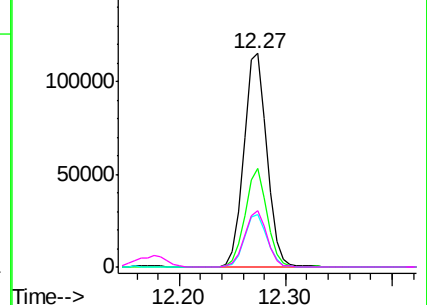


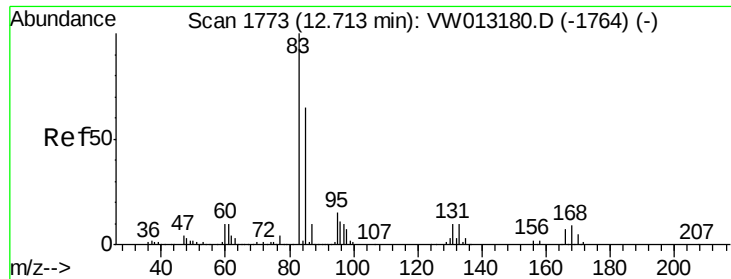
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 44.910 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

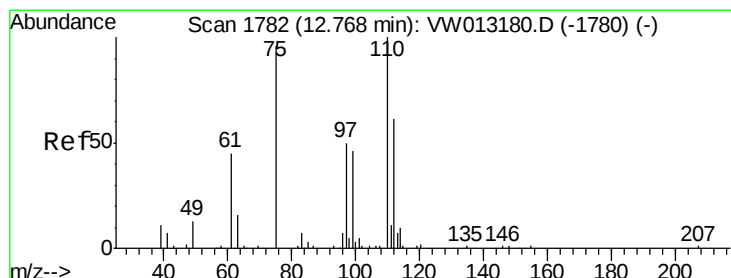
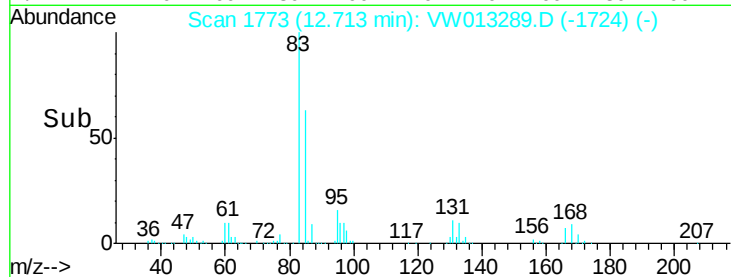
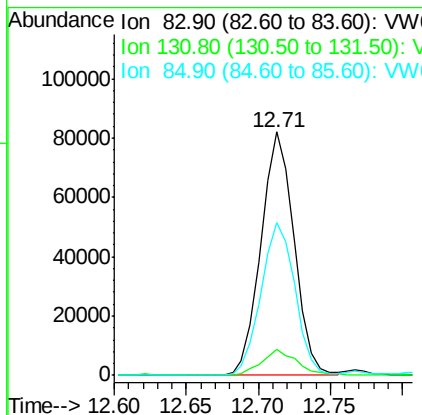
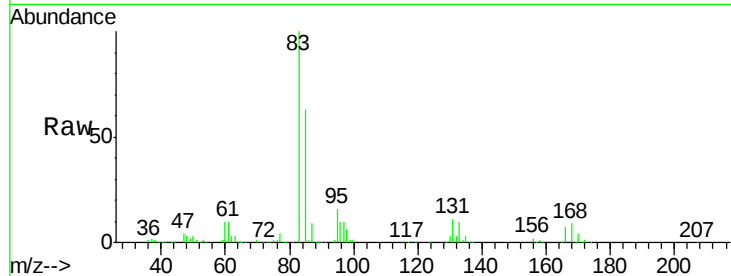
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	130673
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	64.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 40.959 ug/l m

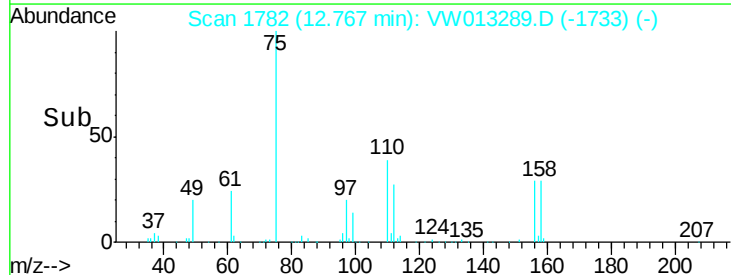
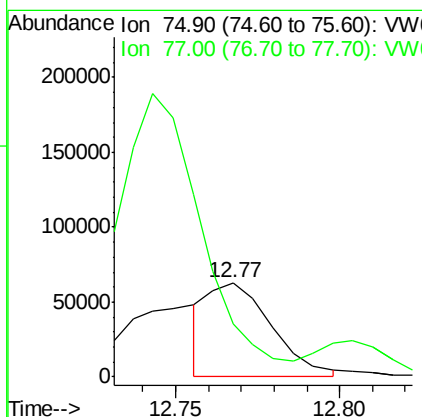
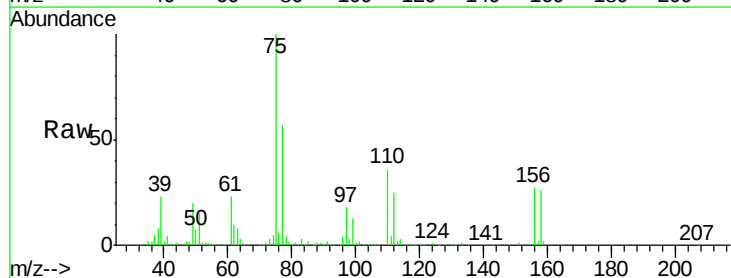
RT: 12.77 min Scan# 1782

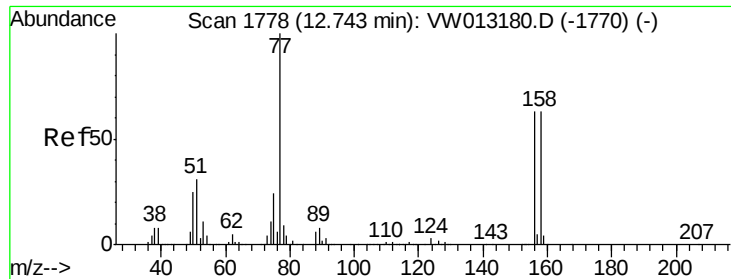
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion:	75	Resp:	85192
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





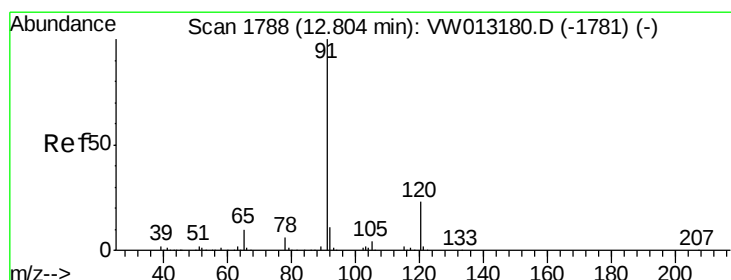
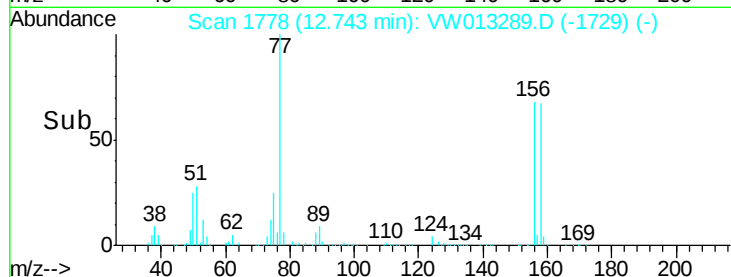
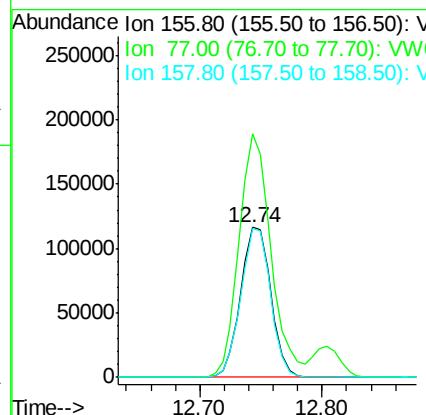
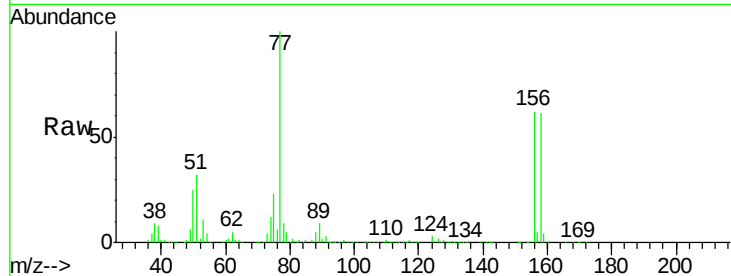
#77
Bromobenzene
Concen: 48.208 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.3	85.7	257.1
158	97.5	48.1	144.4

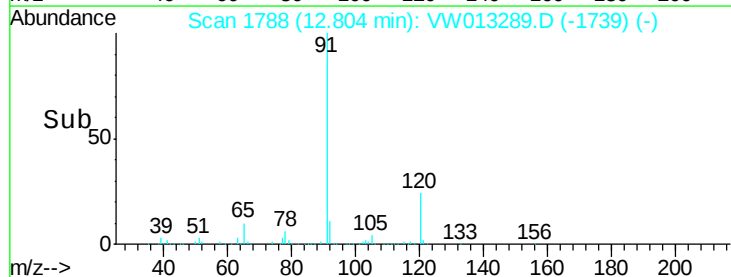
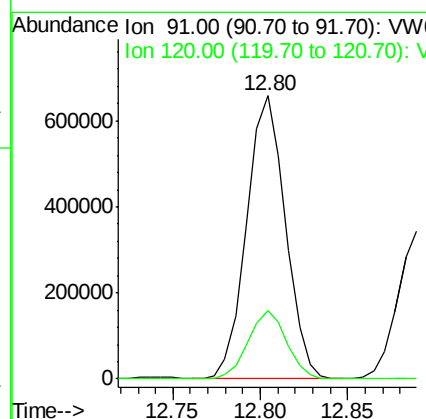
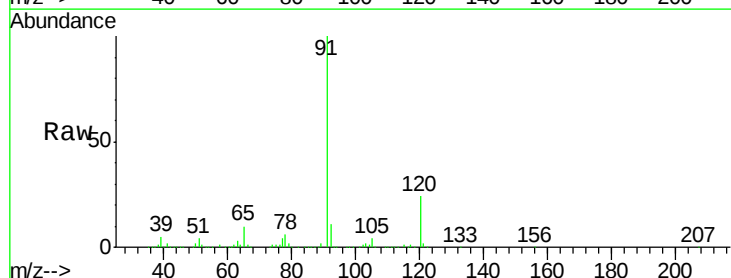
Manual Integrations
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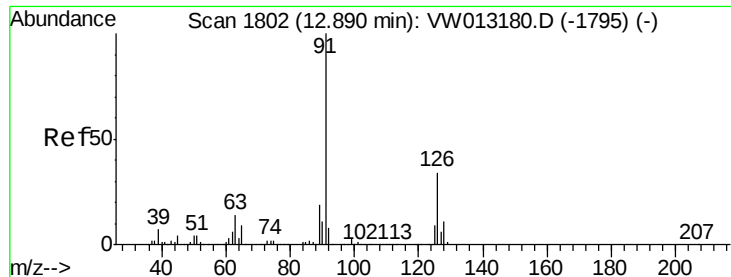
MMDadoda
9/26/2019 3:33:06 PM



#78
n-propylbenzene
Concen: 49.668 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.7	35.1





#79

2-Chlorotoluene

Concen: 48.948 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 558451

Ion Ratio Lower Upper

91 100

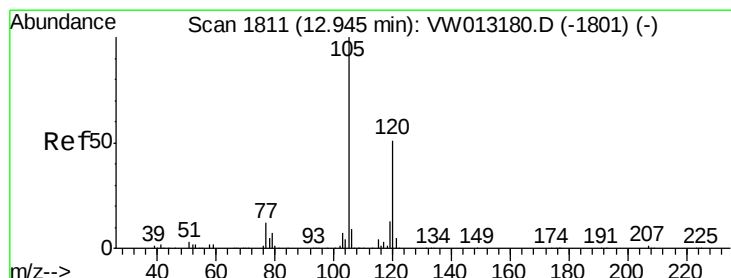
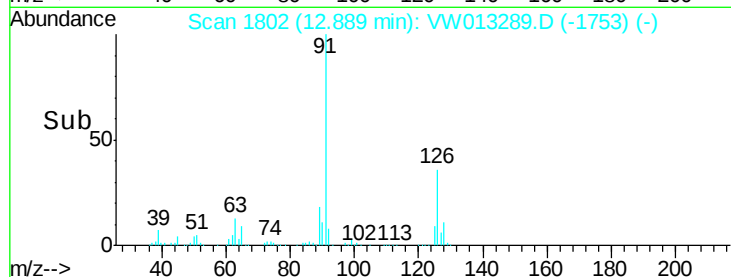
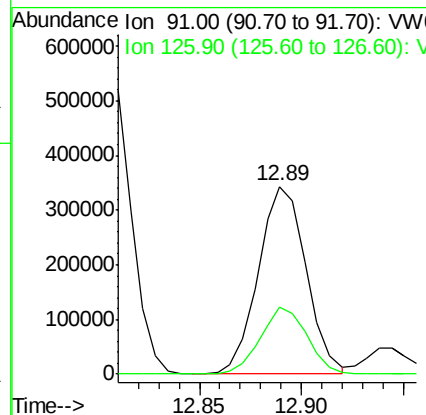
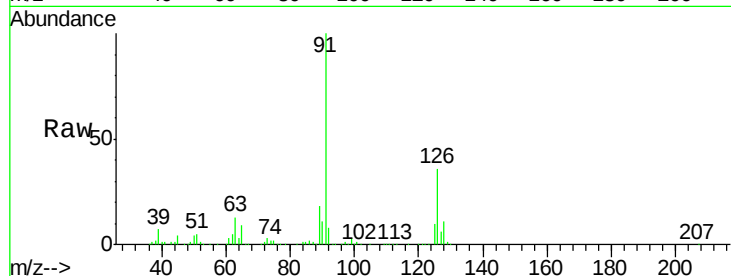
126 34.7 17.2 51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.677 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013289.D

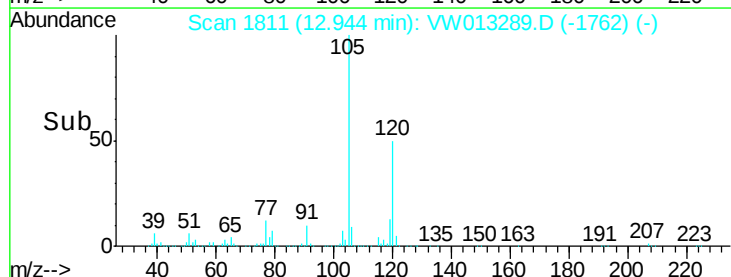
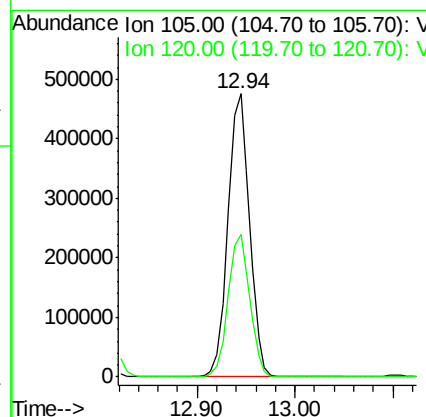
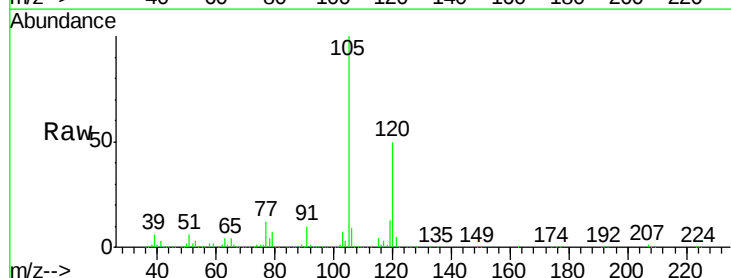
Acq: 25 Sep 2019 10:02

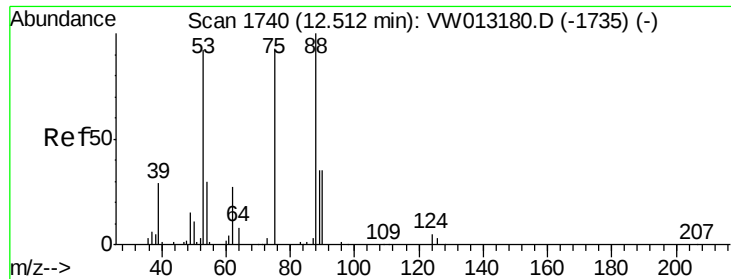
Tgt Ion: 105 Resp: 726519

Ion Ratio Lower Upper

105 100

120 50.5 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.889 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

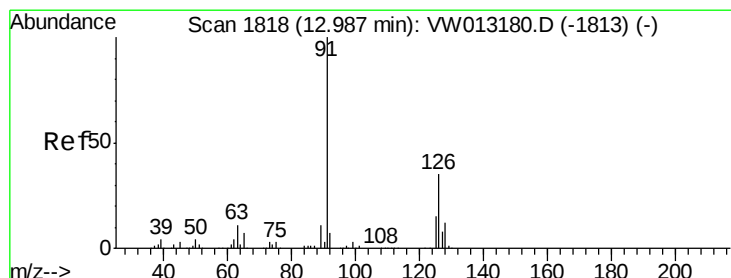
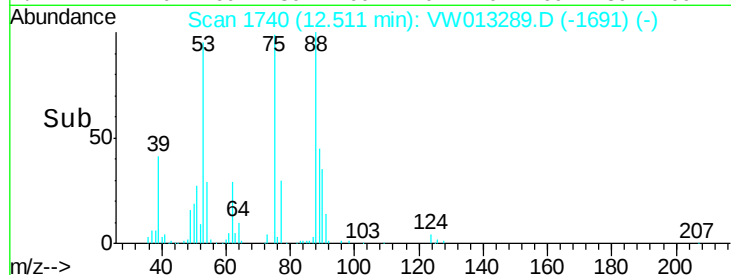
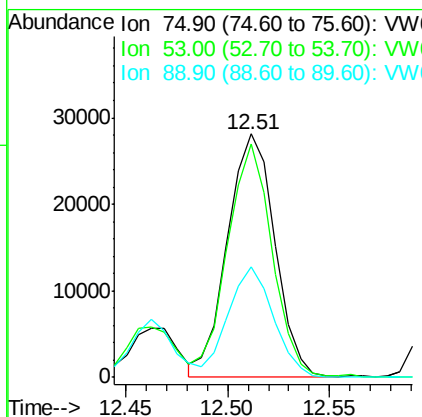
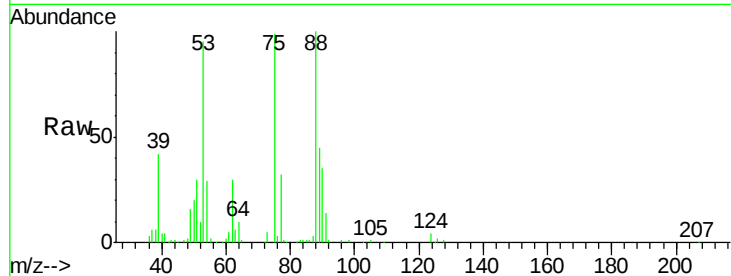
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	45316
Ion	Ratio	Lower	Upper
75	100		
53	89.3	76.6	114.8
89	43.1	33.5	50.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.182 ug/l

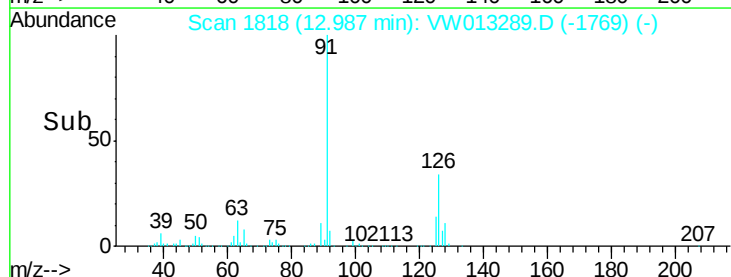
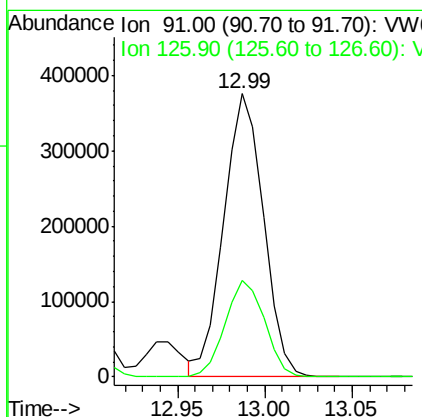
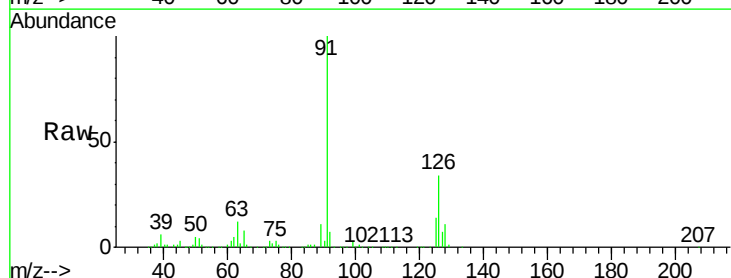
RT: 12.99 min Scan# 1818

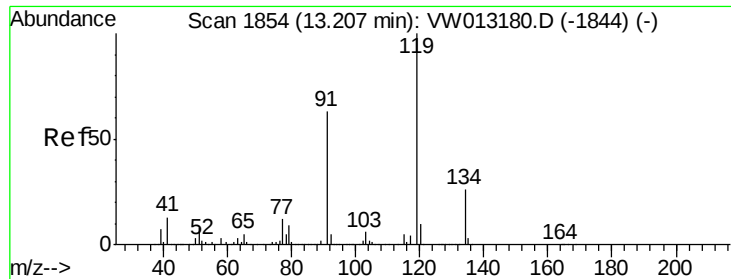
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion:	91	Resp:	591730
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	51.7





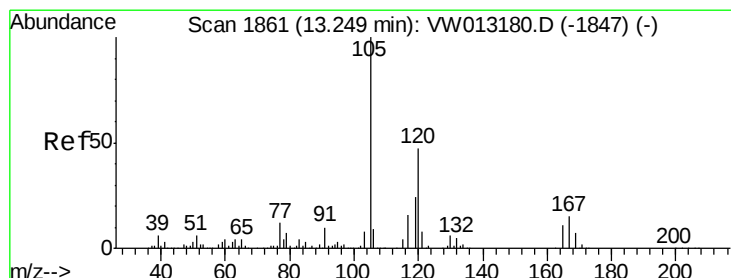
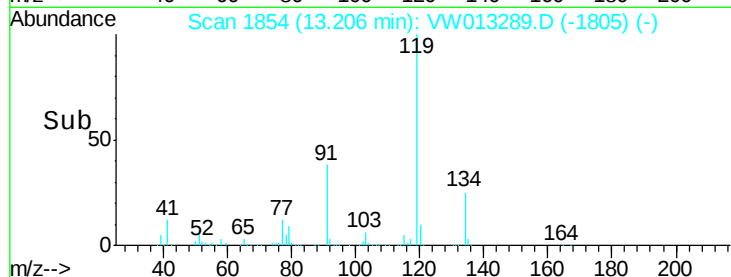
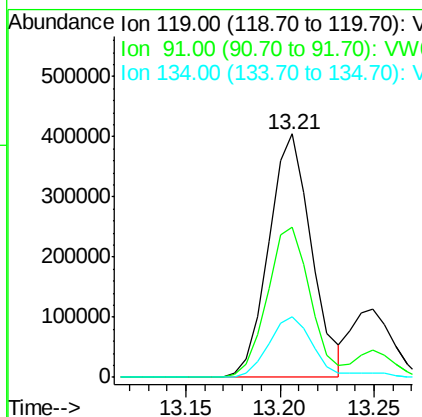
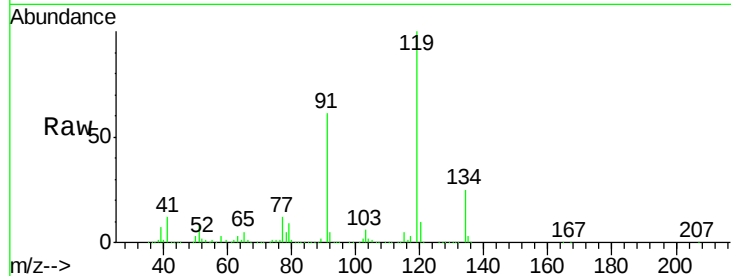
#83
tert-Butylbenzene
Concen: 49.609 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.7	92.1
134	27.1	12.6	37.6

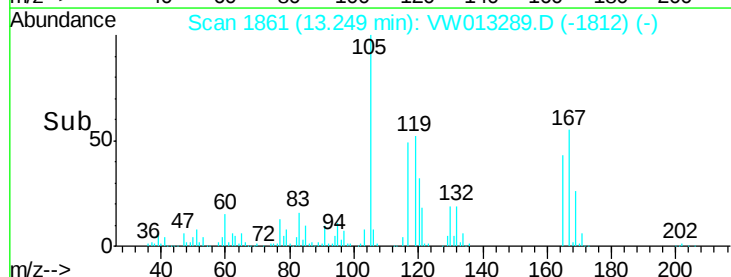
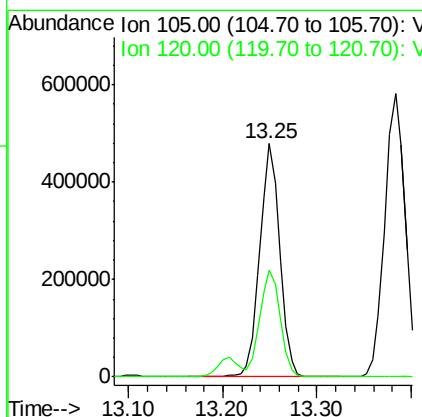
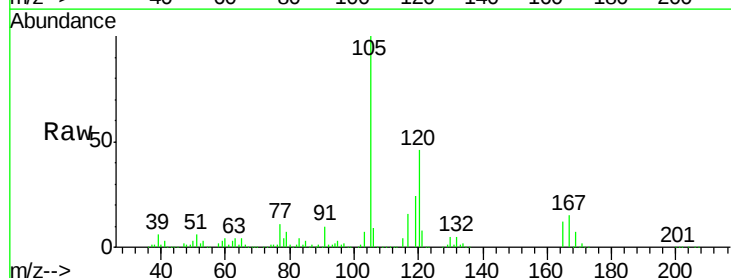
Manual Integrations
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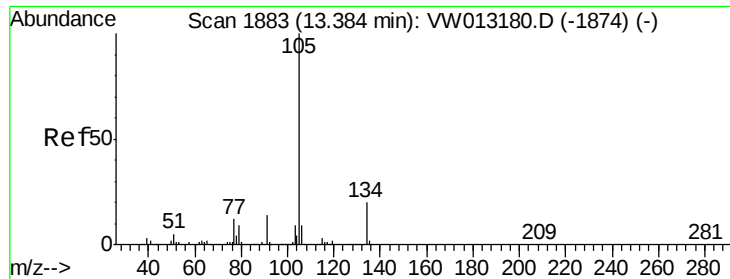
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.141 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.892 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 882945

Ion Ratio Lower Upper

105 100

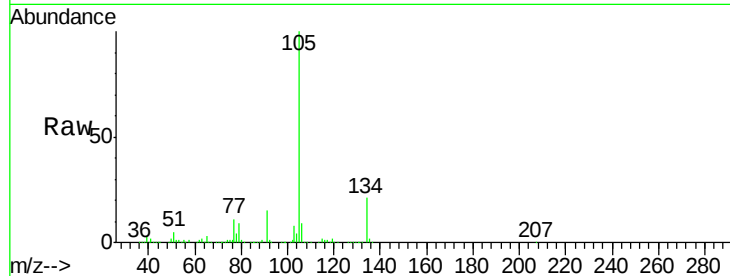
134 20.6 10.3 30.8

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

13.38

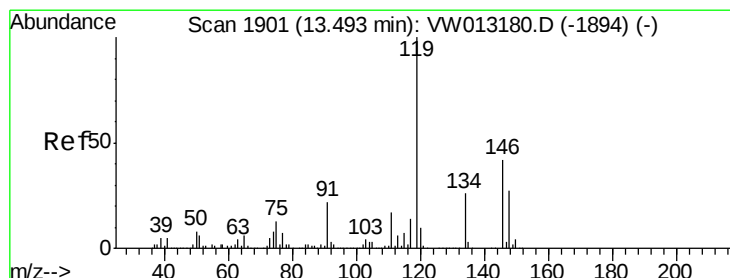
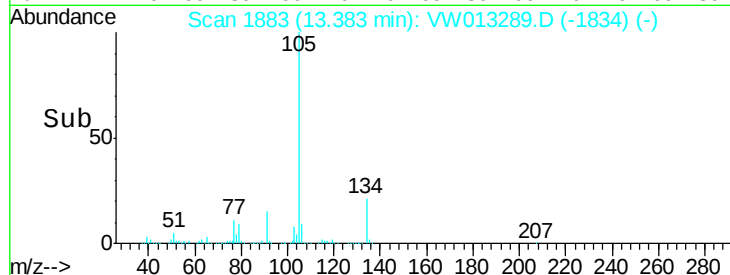
600000

400000

200000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 50.195 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

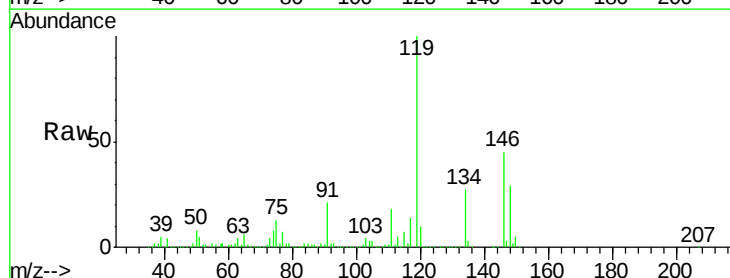
Tgt Ion:119 Resp: 823917

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 21.3 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

13.50

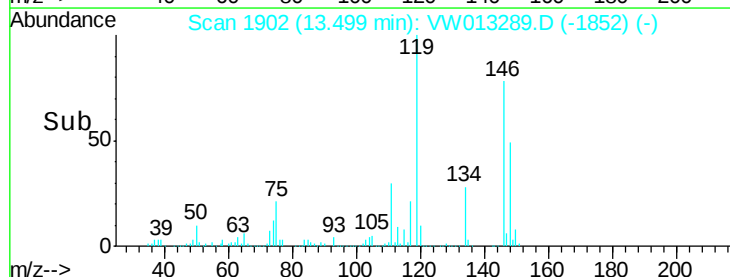
600000

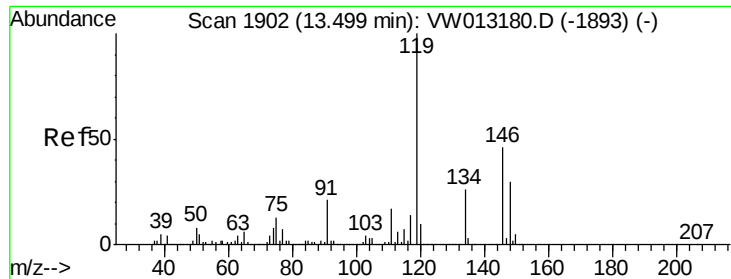
400000

200000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 49.088 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

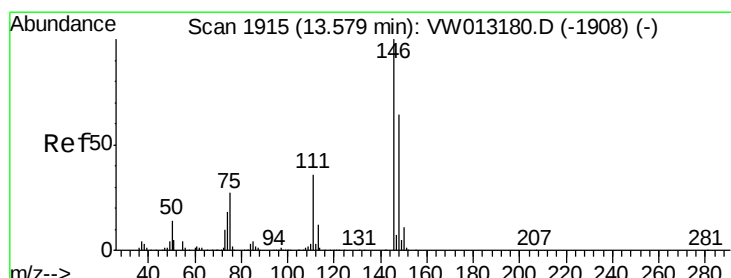
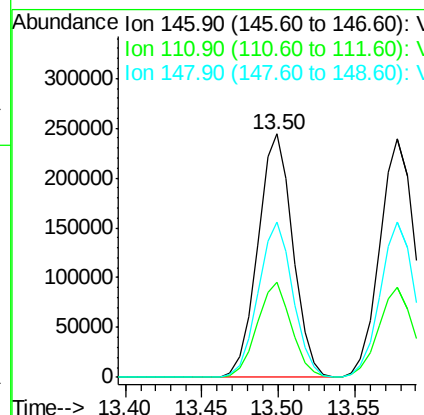
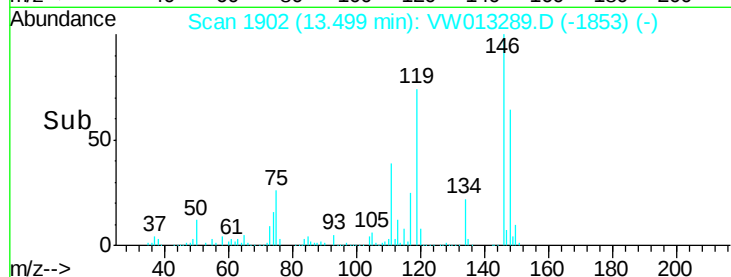
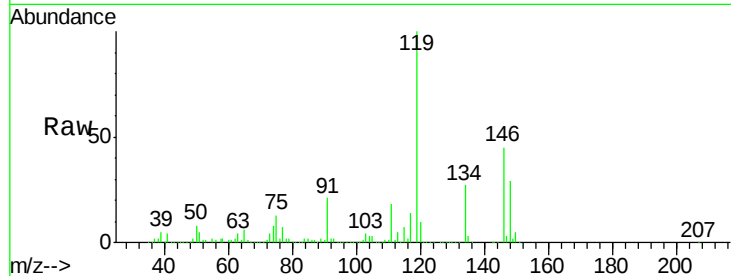
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	389497		
111	38.1	18.9	56.9	
148	63.1	31.9	95.5	

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#88

1,4-Dichlorobenzene

Concen: 48.944 ug/l

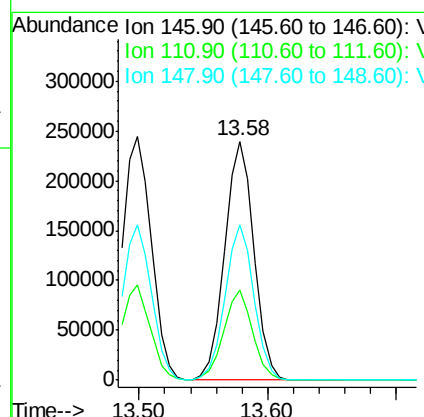
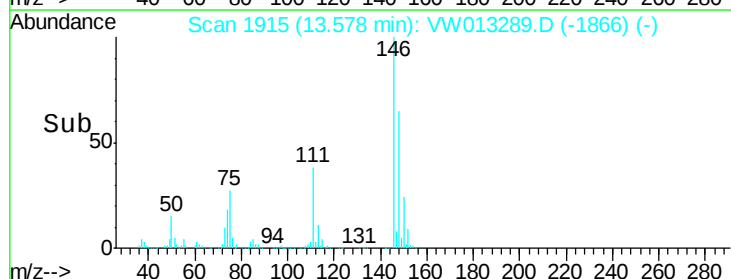
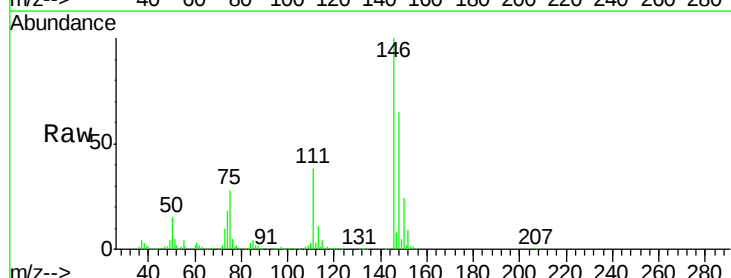
RT: 13.58 min Scan# 1915

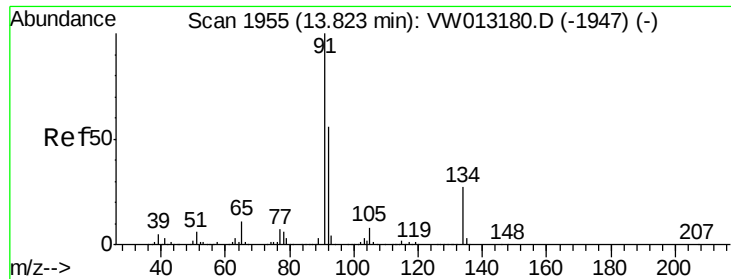
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	380880		
111	37.4	18.4	55.0	
148	64.1	32.1	96.3	





#89

n-Butylbenzene

Concen: 50.593 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Instrument :

MSVOA_W

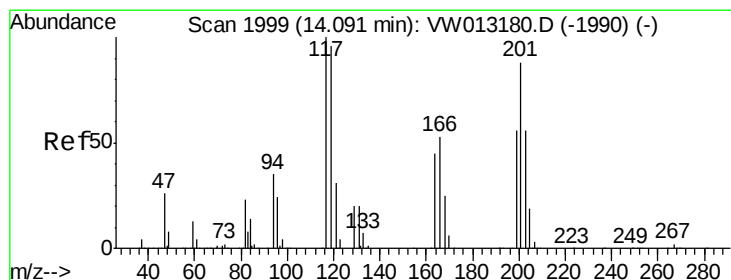
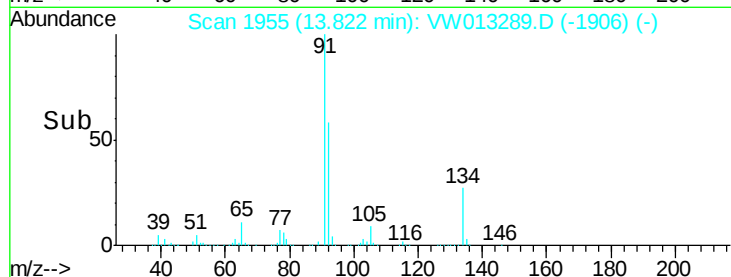
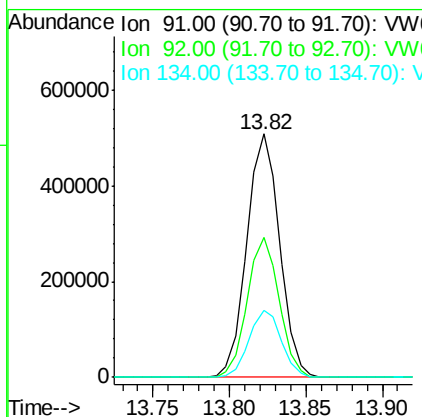
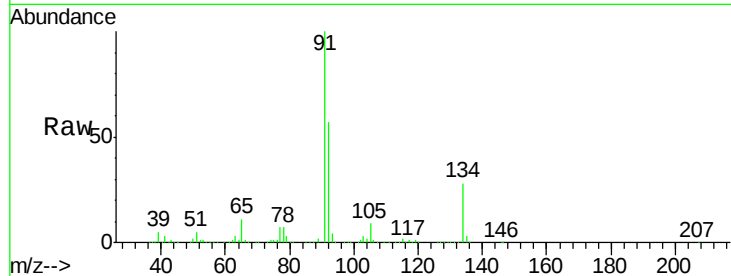
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	758281
Ion Ratio	Lower	Upper	
91	100		
92	55.8	27.6	82.8
134	27.4	13.7	41.1

Manual Integrations
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#90

Hexachloroethane

Concen: 50.635 ug/l

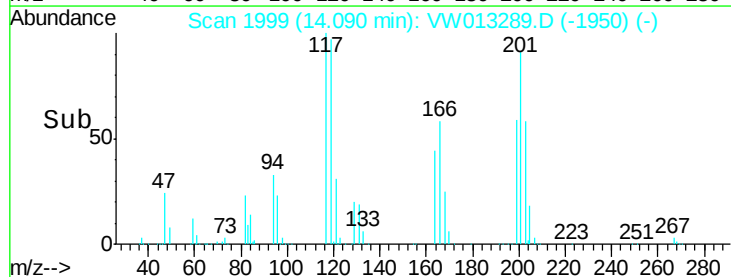
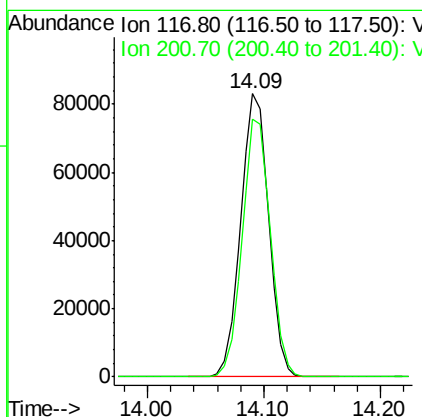
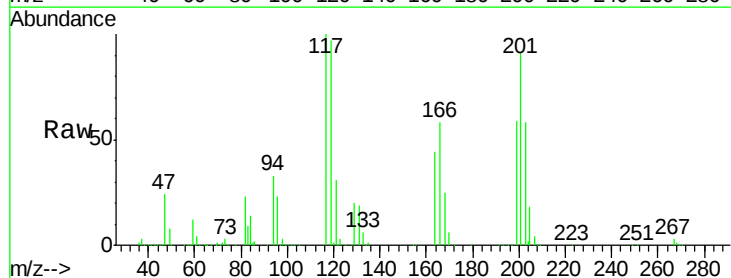
RT: 14.09 min Scan# 1999

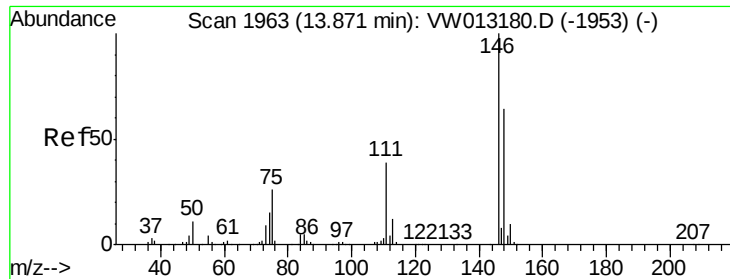
Delta R.T. -0.00 min

Lab File: VW013289.D

Acq: 25 Sep 2019 10:02

Tgt Ion:	117	Resp:	139625
Ion Ratio	Lower	Upper	
117	100		
201	91.5	44.5	133.5





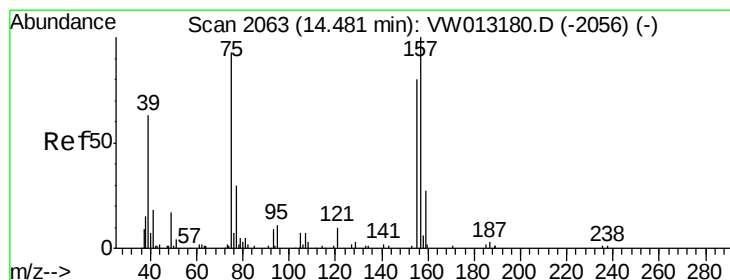
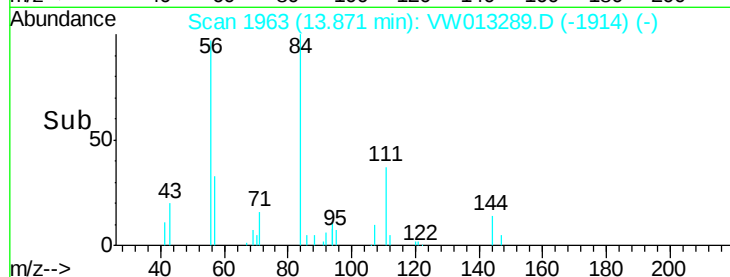
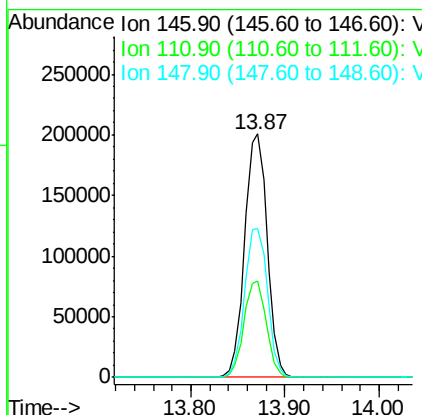
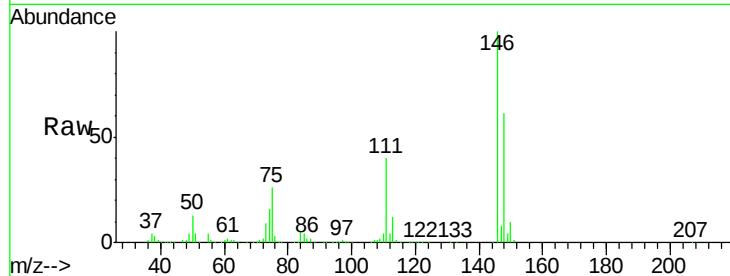
#91
 1,2-Dichlorobenzene
 Concen: 49.050 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.1	60.3
148	62.3	32.0	96.0

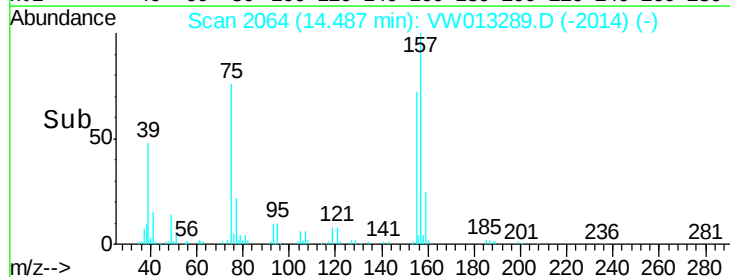
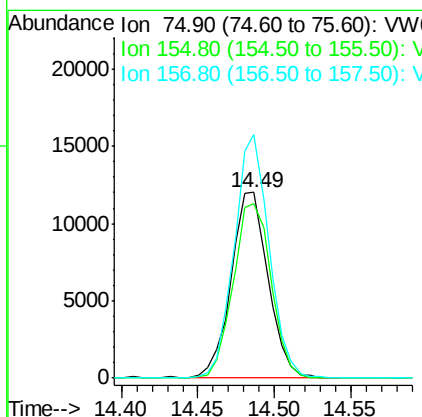
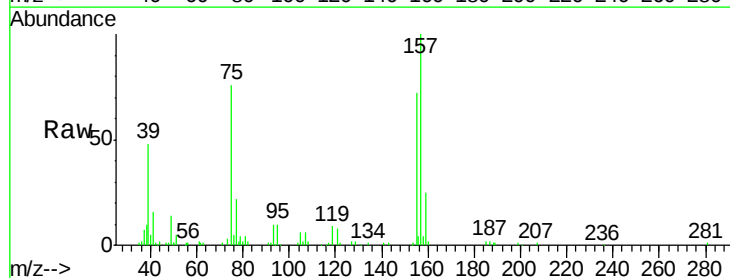
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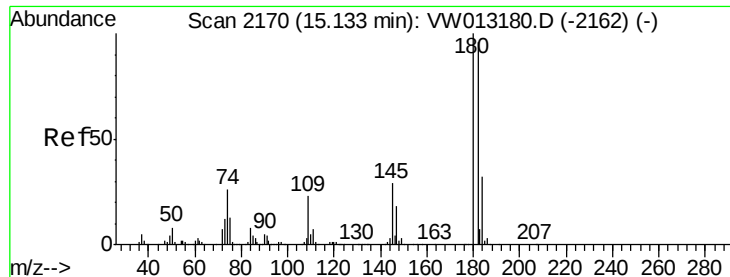
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.429 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	46.1	138.3
157	123.0	60.4	181.2





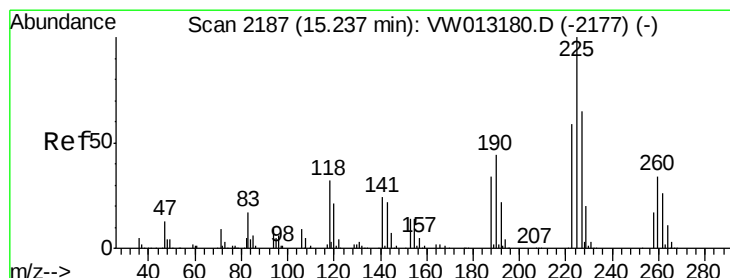
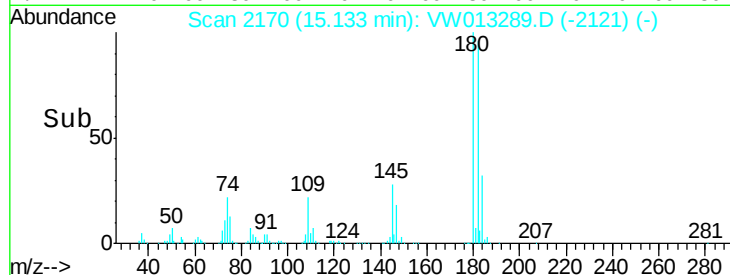
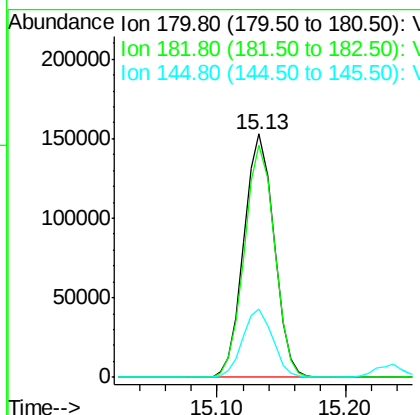
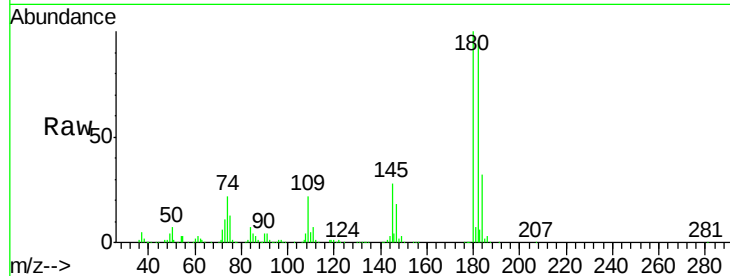
#93
 1,2,4-Trichlorobenzene
 Concen: 50.398 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	247904		
182	95.4	47.3	142.0	
145	28.2	14.2	42.8	

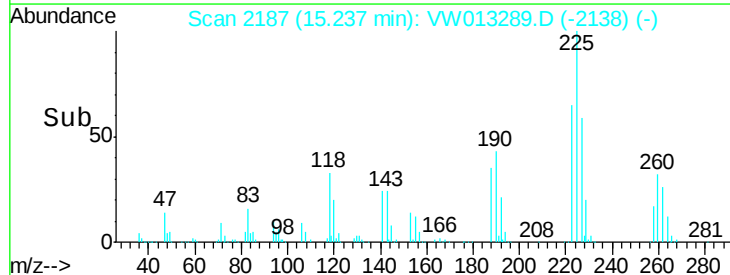
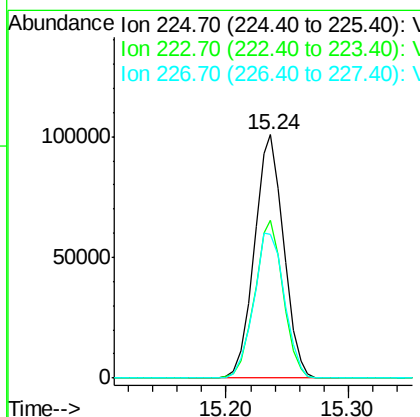
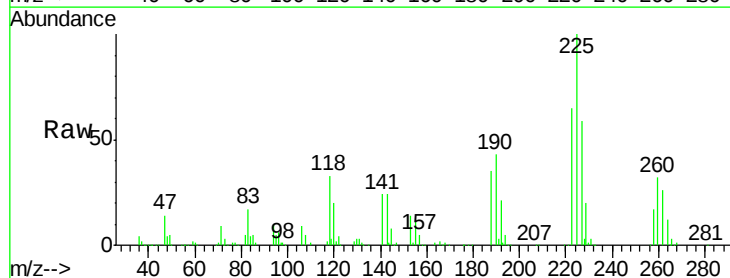
Manual Integrations
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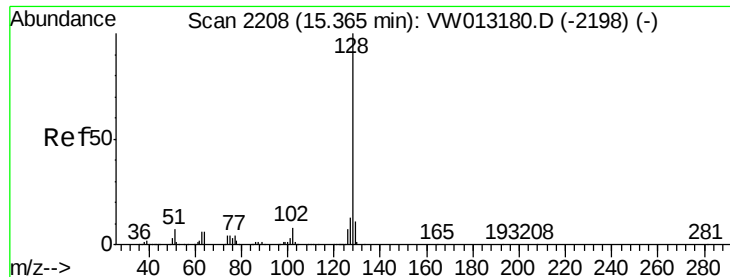
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#94
 Hexachlorobutadiene
 Concen: 49.778 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013289.D
 Acq: 25 Sep 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167517		
223	63.0	30.6	91.8	
227	62.8	31.9	95.9	





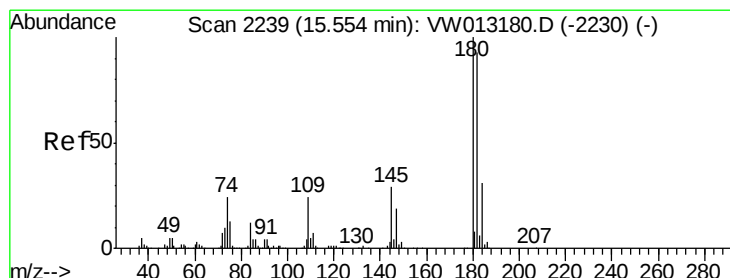
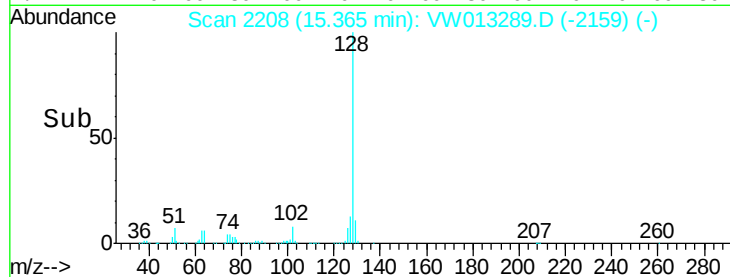
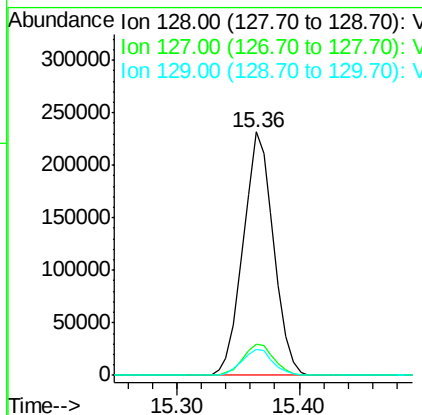
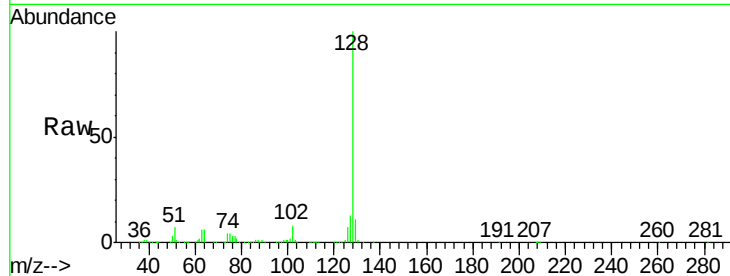
#95
Naphthalene
Concen: 49.612 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	399127
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.890 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013289.D
Acq: 25 Sep 2019 10:02

Tgt Ion:	180	Resp:	212047
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	30.5	15.0	45.0

