

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010014.D
 Acq On : 17 Apr 2019 12:17
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:12 AM

Quant Time: Apr 18 02:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	402806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	642072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	592170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	300380	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	244500	49.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.38%	
35) Dibromofluoromethane	7.88	113	200789	49.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.38%	
50) Toluene-d8	10.32	98	790850	51.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.62	95	283448	50.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	155018	51.333	ug/l	100
3) Chloromethane	2.22	50	160314	52.196	ug/l	100
4) Vinyl Chloride	2.37	62	188403	52.771	ug/l	100
5) Bromomethane	2.78	94	118656	49.454	ug/l	100
6) Chloroethane	2.92	64	118035	50.600	ug/l	100
7) Trichlorofluoromethane	3.26	101	127535	51.666	ug/l	100
8) Diethyl Ether	3.68	74	97421	47.446	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	199180	49.231	ug/l	100
10) Methyl Iodide	4.27	142	290573	50.622	ug/l	100
11) Tert butyl alcohol	5.17	59	64813	229.575	ug/l	100
12) 1,1-Dichloroethene	4.03	96	200641	50.386	ug/l	100
13) Acrolein	3.89	56	72044	241.858	ug/l	100
14) Allyl chloride	4.66	41	359467	50.775	ug/l	100
15) Acrylonitrile	5.37	53	256436	242.678	ug/l	100
16) Acetone	4.12	43	277746	240.819	ug/l	100
17) Carbon Disulfide	4.38	76	610532	55.893	ug/l	100
18) Methyl Acetate	4.67	43	119527	44.778	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	260201	50.308	ug/l	100
20) Methylene Chloride	4.91	84	222681	41.967	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	223711	51.880	ug/l	100
22) Diisopropyl ether	6.31	45	726177	50.568	ug/l	100
23) Vinyl Acetate	6.25	43	2353333	260.322	ug/l	100
24) 1,1-Dichloroethane	6.21	63	418887	48.795	ug/l	100
25) 2-Butanone	7.17	43	373716	246.670	ug/l	100
26) 2,2-Dichloropropane	7.17	77	230160	48.460	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	237509	50.082	ug/l	100
28) Bromochloromethane	7.51	49	169085	48.196	ug/l	100
29) Tetrahydrofuran	7.52	42	238694	248.645	ug/l	100
30) Chloroform	7.67	83	418225	48.620	ug/l	100
31) Cyclohexane	7.95	56	397873	49.494	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	333850	49.438	ug/l	100
36) 1,1-Dichloropropene	8.08	75	338026	51.539	ug/l	100
37) Ethyl Acetate	7.25	43	165082	49.533	ug/l	100
38) Carbon Tetrachloride	8.06	117	322010	50.306	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	398733	54.026	ug/l	100
40) Benzene	8.32	78	910215	50.756	ug/l	100
41) Methacrylonitrile	7.48	41	96442	50.774	ug/l	100
42) 1,2-Dichloroethane	8.40	62	302852	49.141	ug/l	100
43) Isopropyl Acetate	8.42	43	306951	49.150	ug/l	100
44) Trichloroethene	9.09	130	227876	50.030	ug/l	100
45) 1,2-Dichloropropane	9.37	63	233693	49.577	ug/l	100
46) Dibromomethane	9.46	93	120969	49.515	ug/l	100
47) Bromodichloromethane	9.64	83	314400	49.852	ug/l	100
48) Methyl methacrylate	9.43	41	149185	49.074	ug/l	100
49) 1,4-Dioxane	9.45	88	36897	988.393	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	820089	250.718	ug/l	100
52) Toluene	10.38	92	576898	51.643	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	318694	50.969	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	366578	51.343	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	168215	49.331	ug/l	100
56) Ethyl methacrylate	10.65	69	230983	54.488	ug/l	100
57) 1,3-Dichloropropane	10.93	76	302871	49.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	602531	295.711	ug/l	100
59) 2-Hexanone	10.97	43	582220	255.702	ug/l	100
60) Dibromochloromethane	11.13	129	199998	50.746	ug/l	100
61) 1,2-Dibromoethane	11.24	107	162095	49.971	ug/l	100
64) Tetrachloroethene	10.86	164	191636	49.851	ug/l	100
65) Chlorobenzene	11.66	112	585118	48.276	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	215566	49.735	ug/l	100
67) Ethyl Benzene	11.73	91	1120581	51.820	ug/l	100
68) m/p-Xylenes	11.84	106	835024	103.303	ug/l	100
69) o-Xylene	12.17	106	380310	51.672	ug/l	100
70) Styrene	12.18	104	675871	53.259	ug/l	100
71) Bromoform	12.35	173	114982	50.169	ug/l	# 100
73) Isopropylbenzene	12.46	105	1075612	51.450	ug/l	100
74) N-amyl acetate	12.27	43	294691	50.901	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	200622	48.573	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	145170m	40.314	ug/l	
77) Bromobenzene	12.75	156	241762	50.283	ug/l	100
78) n-propylbenzene	12.80	91	1342560	51.816	ug/l	100
79) 2-Chlorotoluene	12.90	91	750329	50.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	923029	52.073	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	66059	51.812	ug/l	100
82) 4-Chlorotoluene	12.99	91	790568	50.408	ug/l	100
83) tert-Butylbenzene	13.21	119	763328	52.002	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	928623	51.672	ug/l	100
85) sec-Butylbenzene	13.38	105	1115470	50.851	ug/l	100
86) p-Isopropyltoluene	13.50	119	1016682	52.584	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	480196	49.407	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	471723	48.625	ug/l	100
89) n-Butylbenzene	13.83	91	1006590	52.549	ug/l	100
90) Hexachloroethane	14.10	117	186193	50.279	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	428949	49.222	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	36302	49.113	ug/l	100

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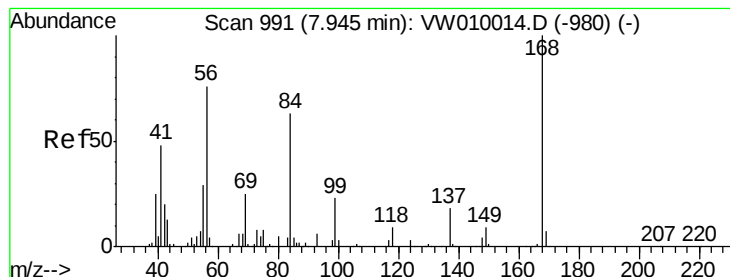
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	291275	50.663	ug/l	100
94) Hexachlorobutadiene	15.24	225	173178	49.603	ug/l	100
95) Naphthalene	15.37	128	550308	53.315	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	256467	51.417	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 402806

Ion Ratio Lower Upper

168 100

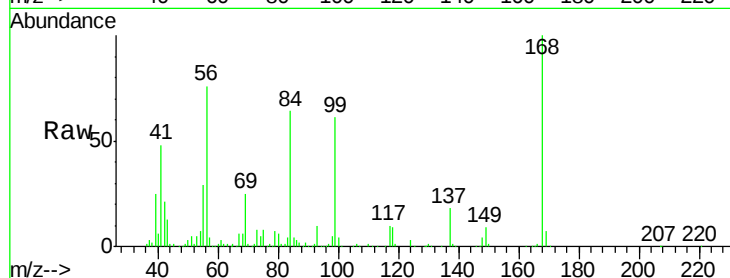
99 60.5 48.4 72.6

Manual Integrations

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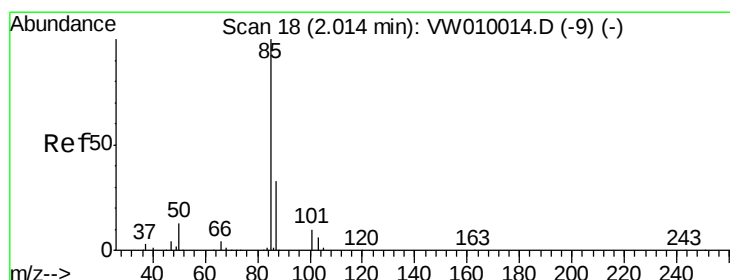
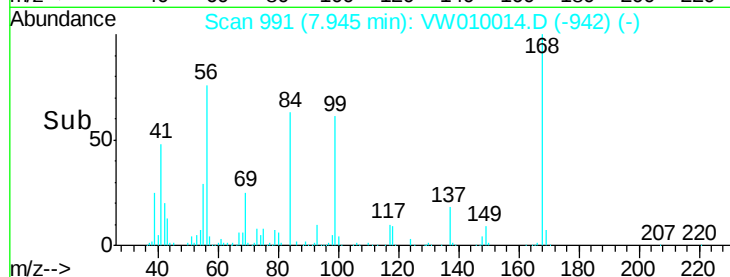
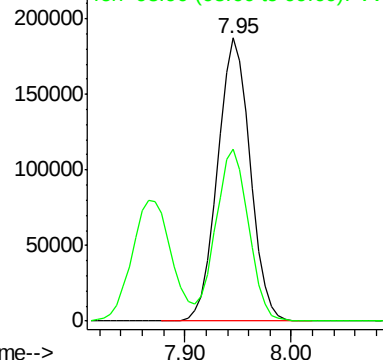
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4/18/2019 11:40:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.333 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010014.D

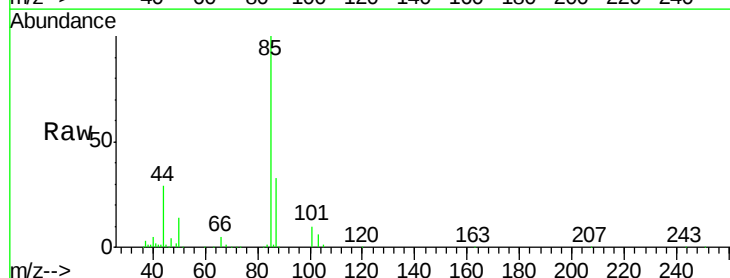
Acq: 17 Apr 2019 12:17

Tgt Ion: 85 Resp: 155018

Ion Ratio Lower Upper

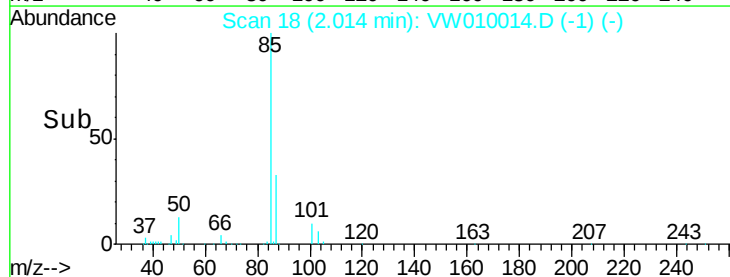
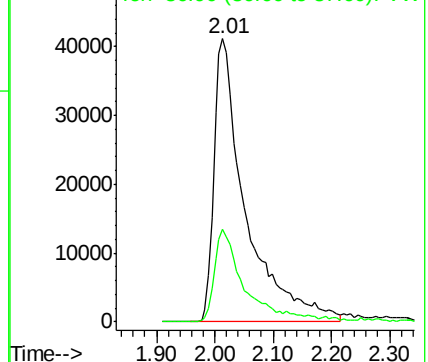
85 100

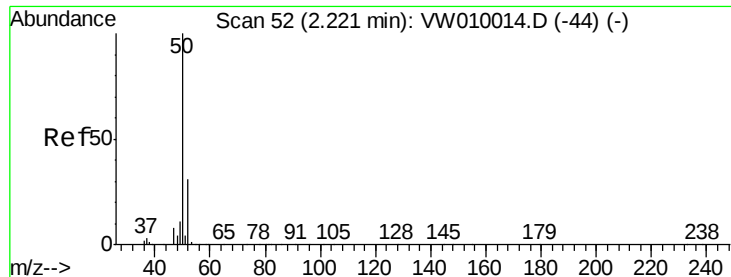
87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.196 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 160314

Ion Ratio Lower Upper

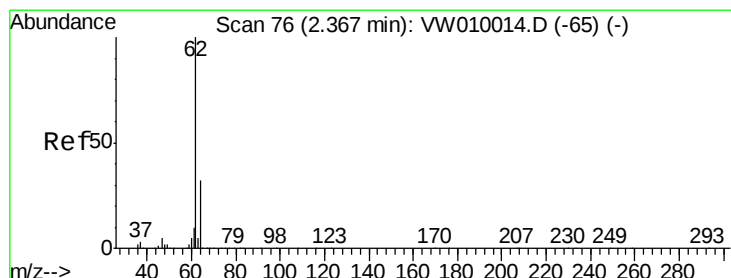
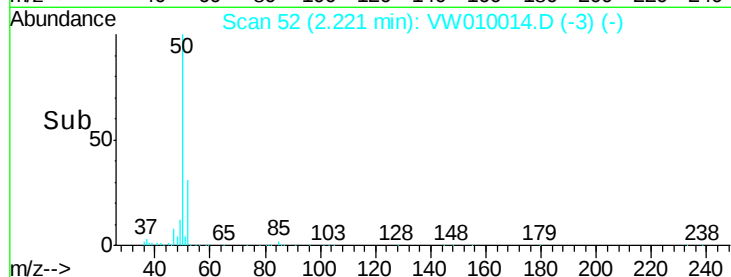
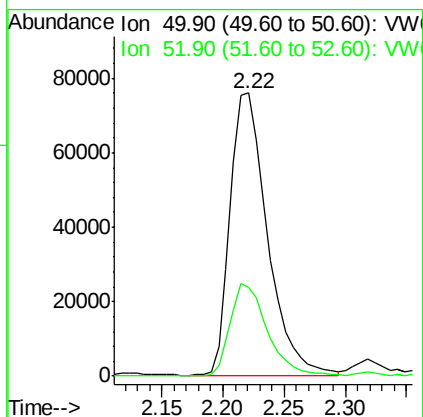
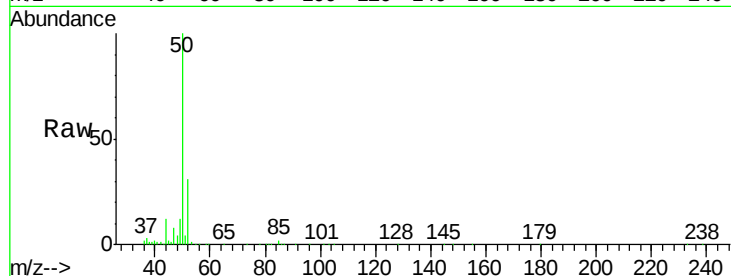
50 100

52 31.3 25.0 37.6

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#4

Vinyl Chloride

Concen: 52.771 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010014.D

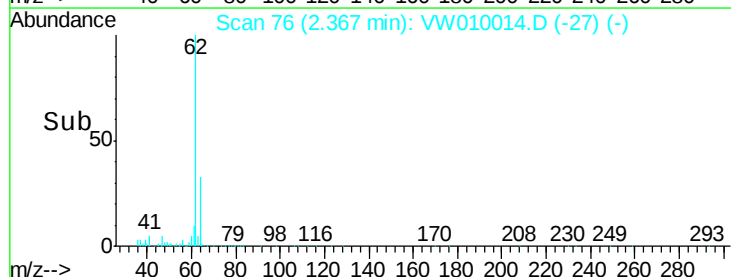
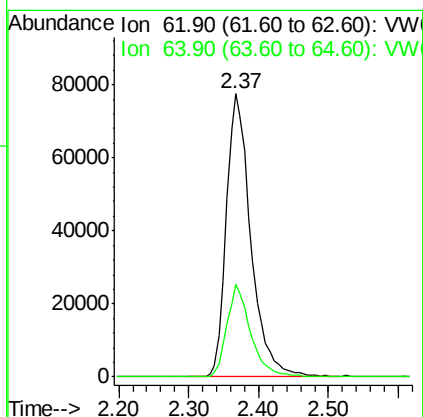
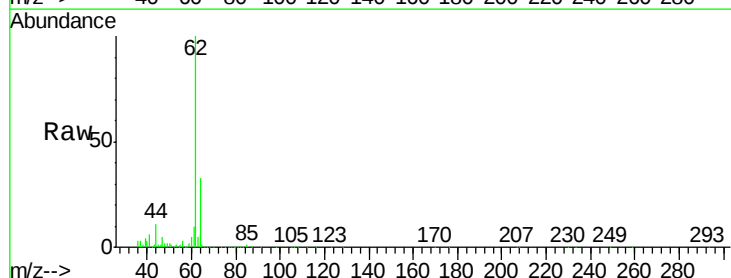
Acq: 17 Apr 2019 12:17

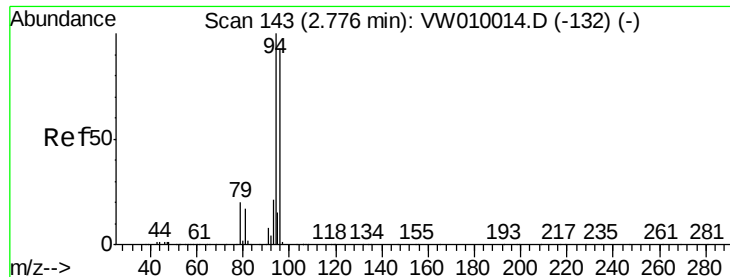
Tgt Ion: 62 Resp: 188403

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 49.454 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 118656

Ion Ratio Lower Upper

94 100

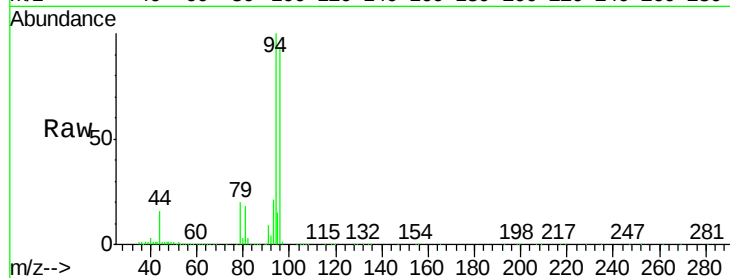
96 92.7 74.2 111.2

Manual Integrations

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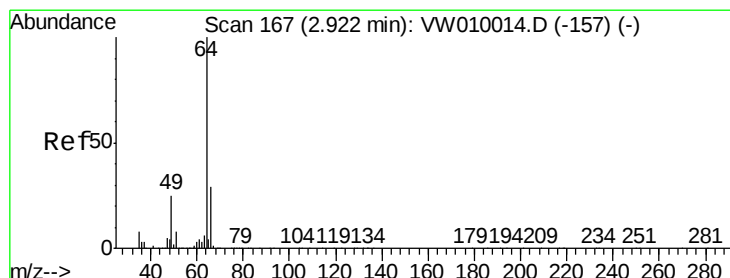
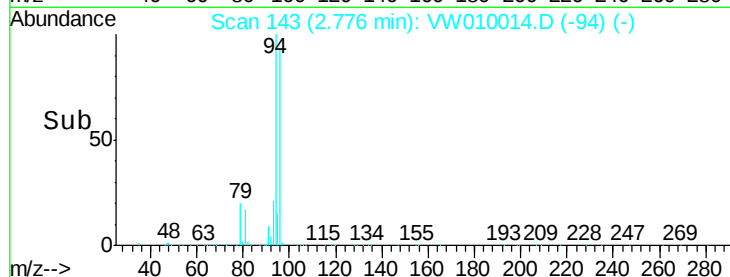
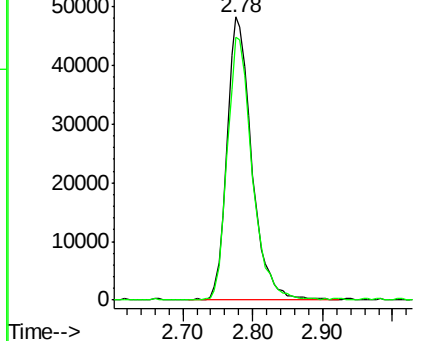
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.600 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010014.D

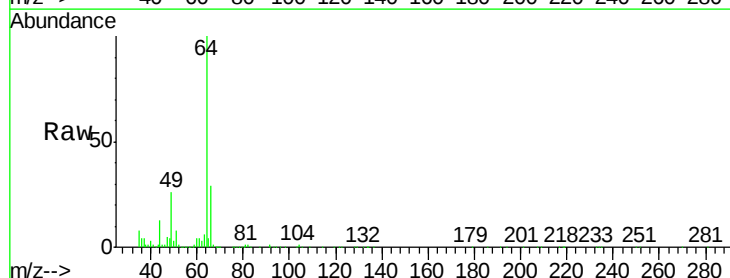
Acq: 17 Apr 2019 12:17

Tgt Ion: 64 Resp: 118035

Ion Ratio Lower Upper

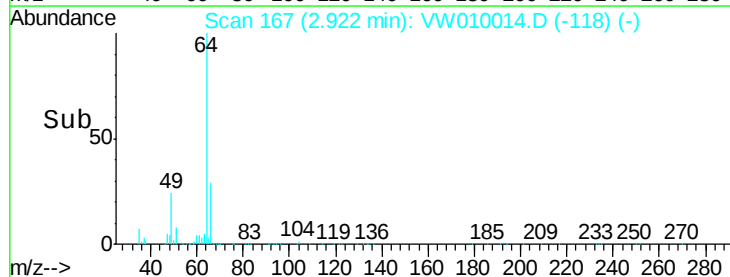
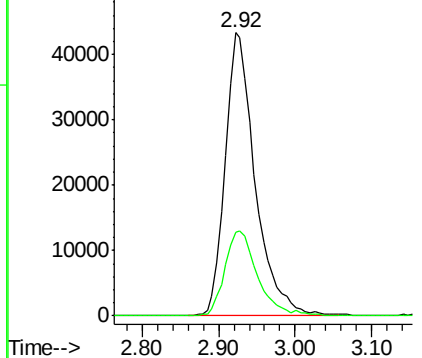
64 100

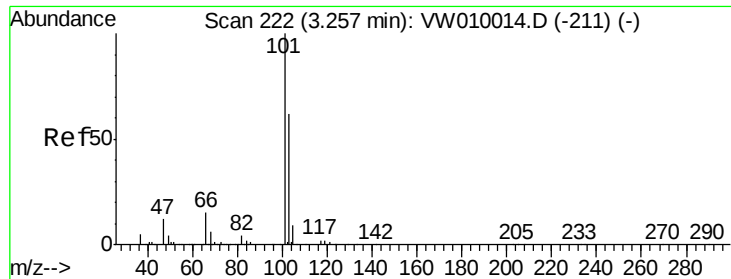
66 29.2 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

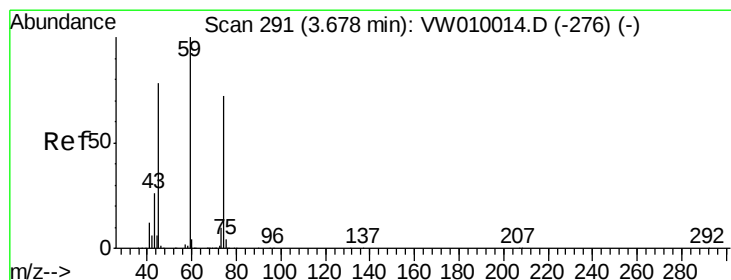
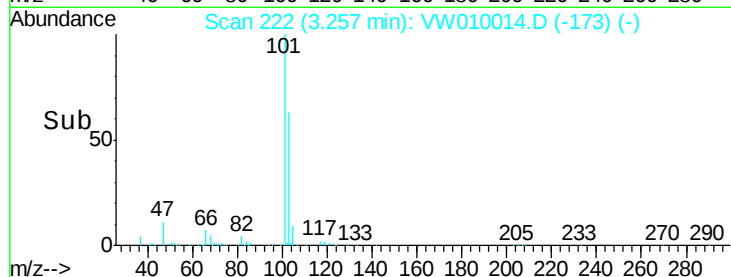
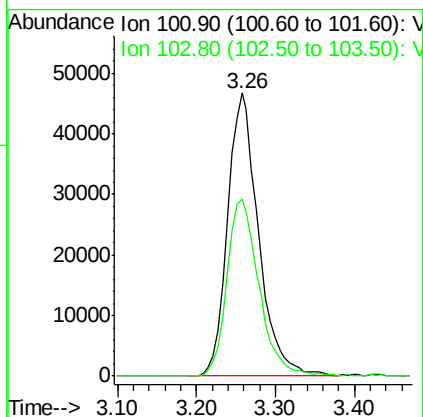
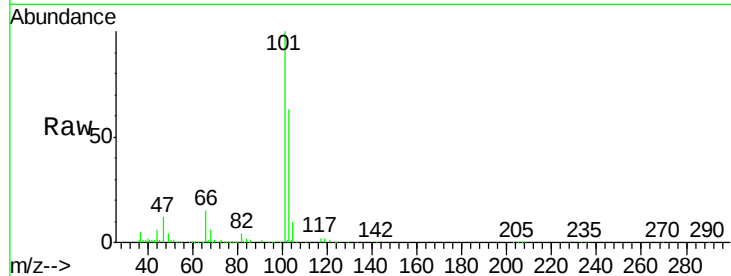
Trichlorofluoromethane
 Concen: 51.666 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	127535		
103	62.2	49.8	74.6	

Manual Integrations
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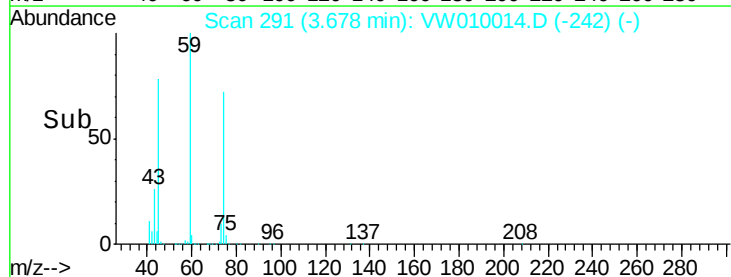
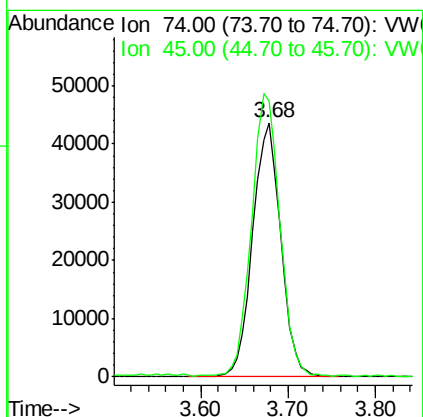
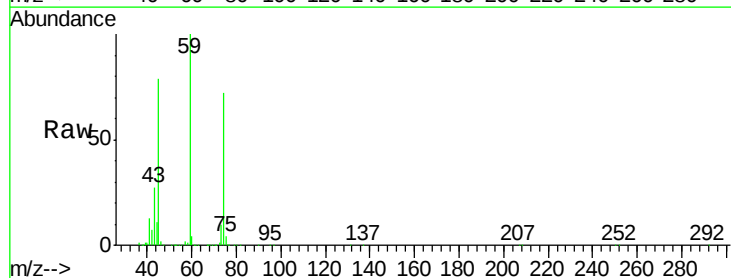
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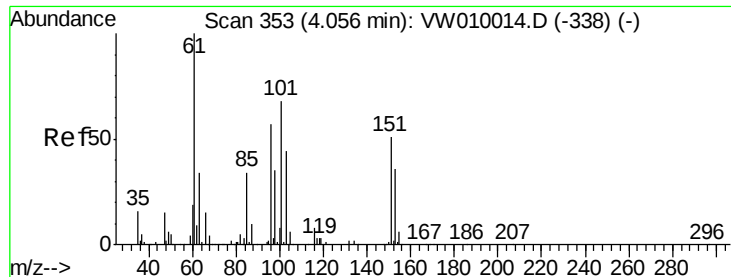


#8

Diethyl Ether
 Concen: 47.446 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	97421		
45	112.0	56.0	168.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.231 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

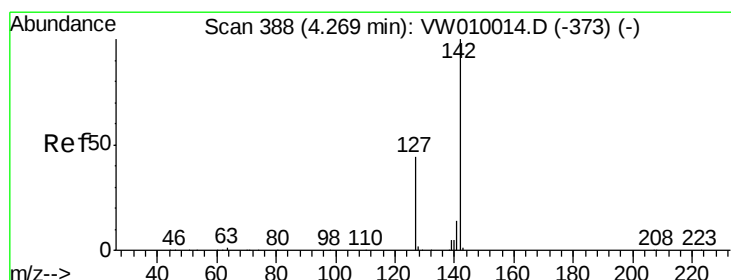
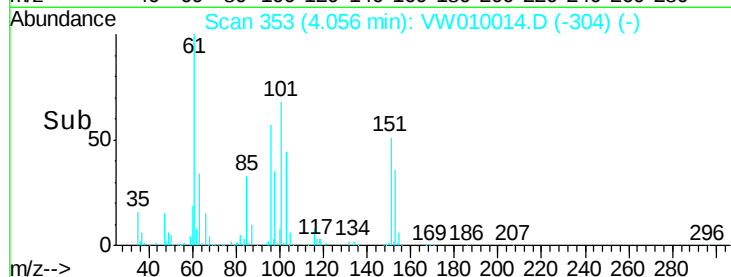
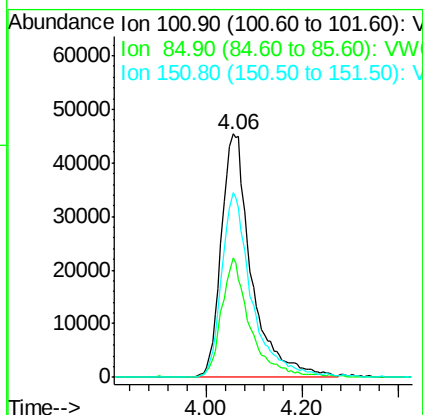
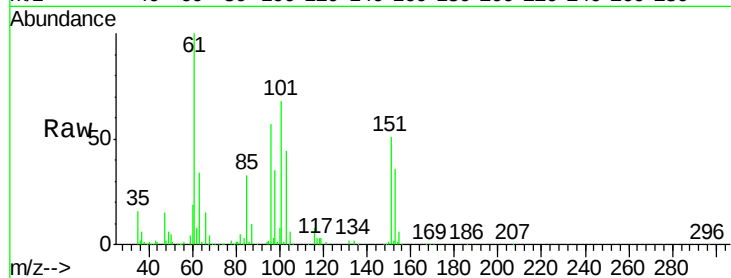
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	199180
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.3	54.5
151	75.2	60.2	90.2

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#10

Methyl Iodide

Concen: 50.622 ug/l

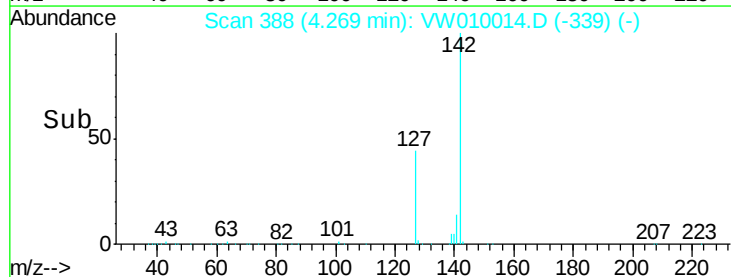
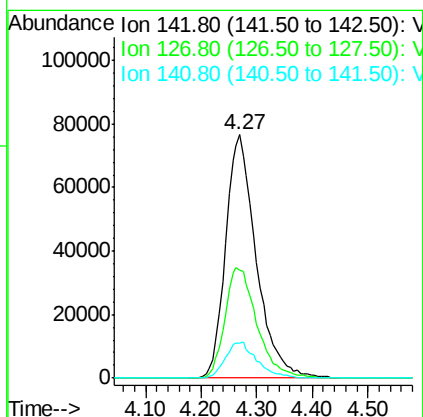
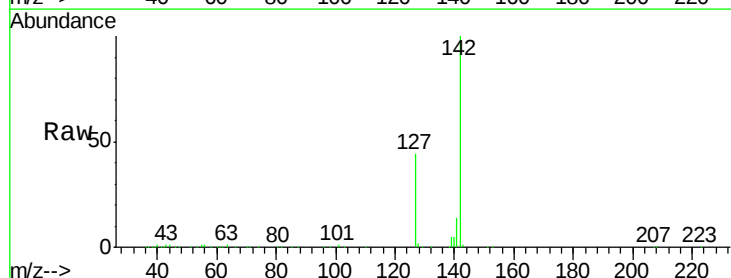
RT: 4.27 min Scan# 388

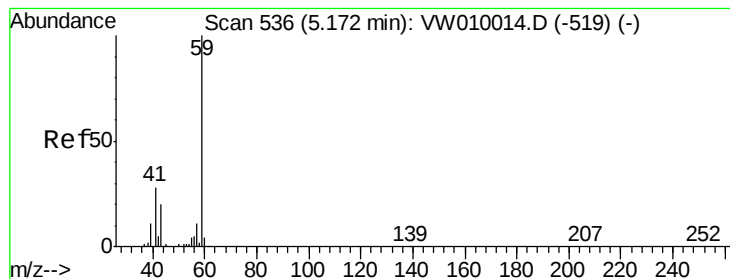
Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Tgt Ion:	142	Resp:	290573
Ion Ratio	Lower	Upper	
142	100		
127	47.6	38.1	57.1
141	15.2	12.2	18.2





#11

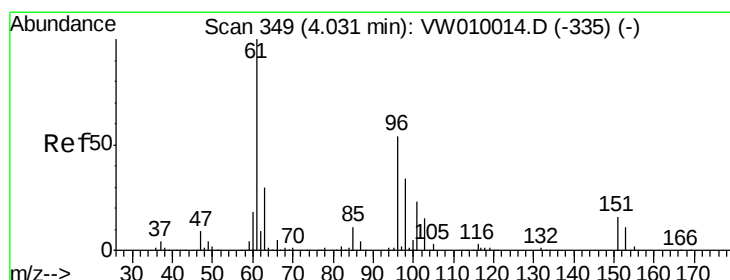
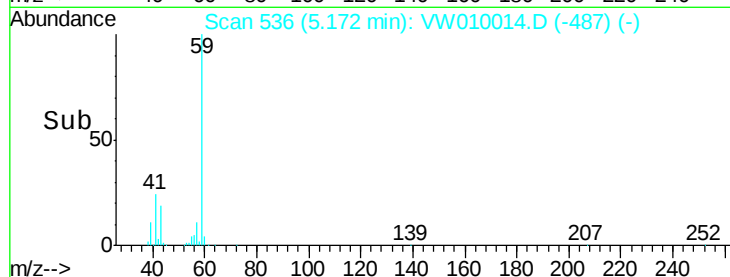
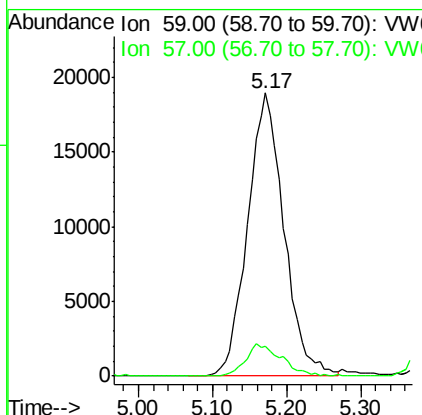
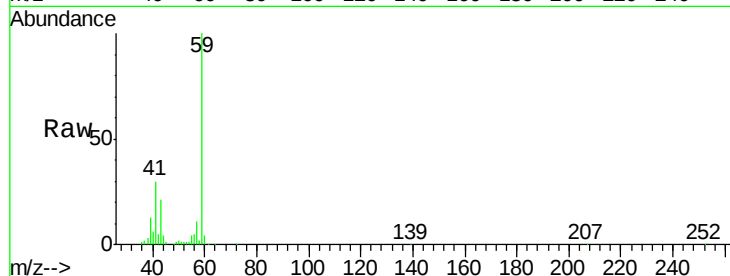
Tert butyl alcohol
 Concen: 229.575 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.4

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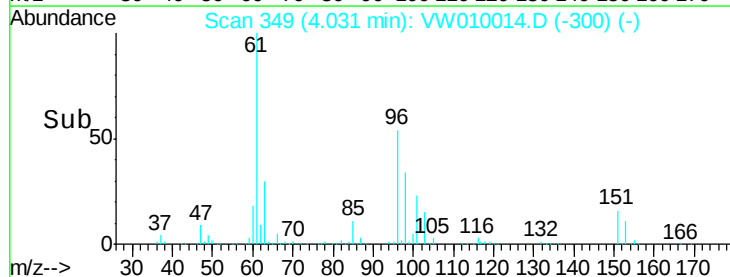
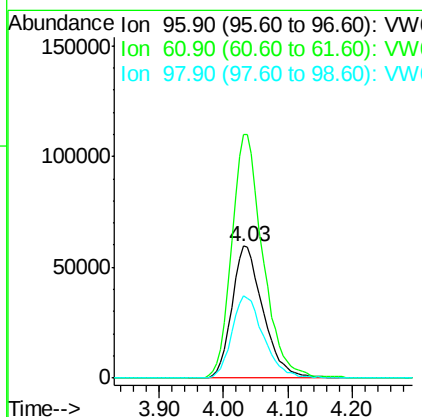
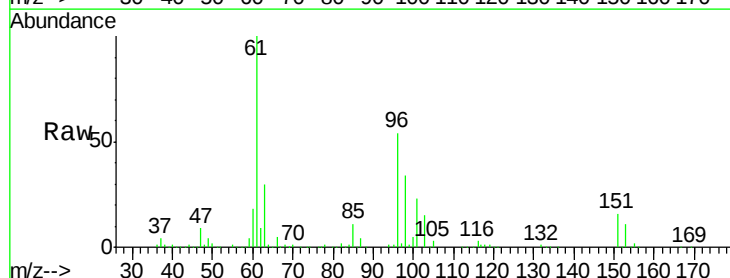
MMDadoda
 4/18/2019 11:40:12 AM

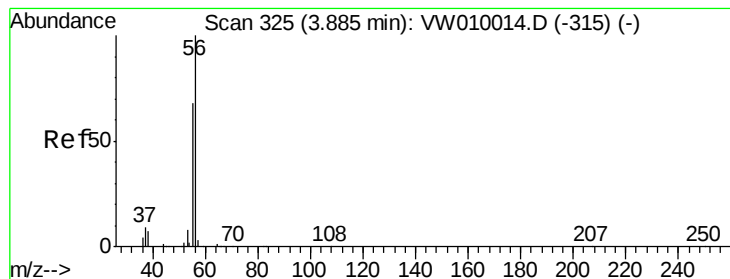


#12

1,1-Dichloroethene
 Concen: 50.386 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.3	147.4	221.2
98	62.1	49.7	74.5





#13

Acrolein

Concen: 241.858 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 72044

Ion Ratio Lower Upper

56 100

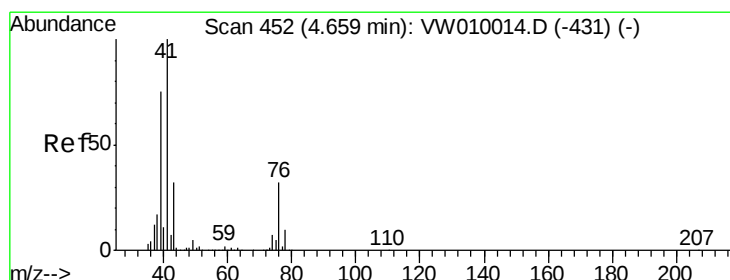
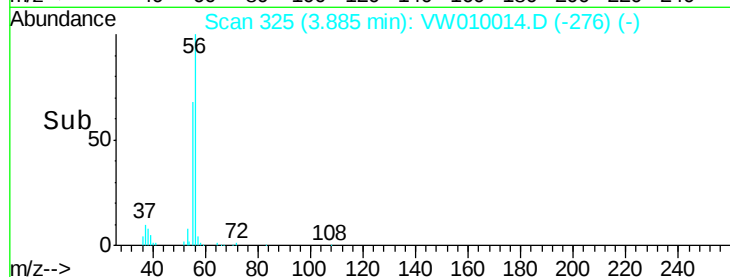
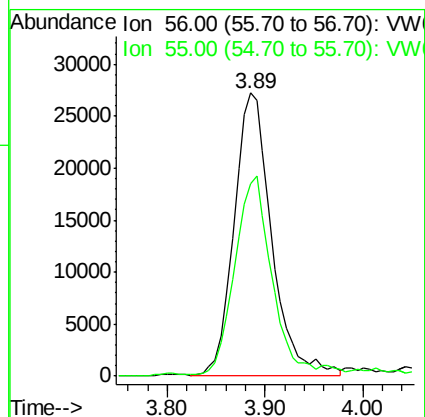
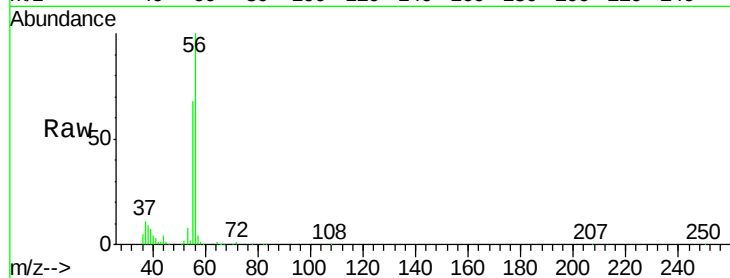
55 67.7 54.2 81.2

Manual Integrations

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#14

Allyl chloride

Concen: 50.775 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

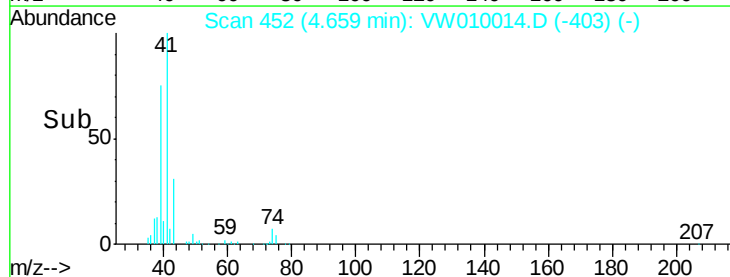
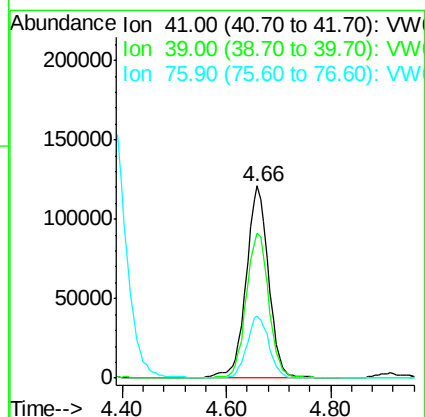
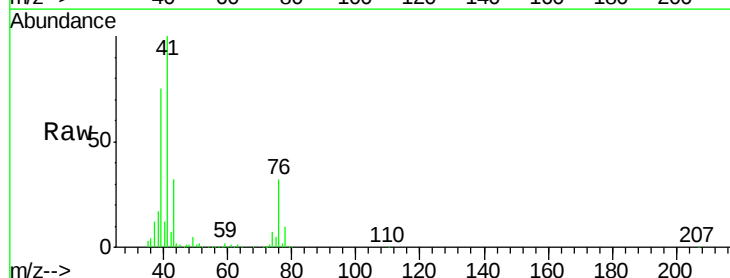
Tgt Ion: 41 Resp: 359467

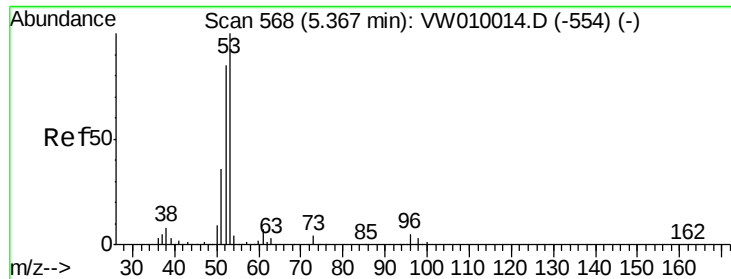
Ion Ratio Lower Upper

41 100

39 75.3 60.2 90.4

76 31.3 25.0 37.6





#15

Acrylonitrile

Concen: 242.678 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

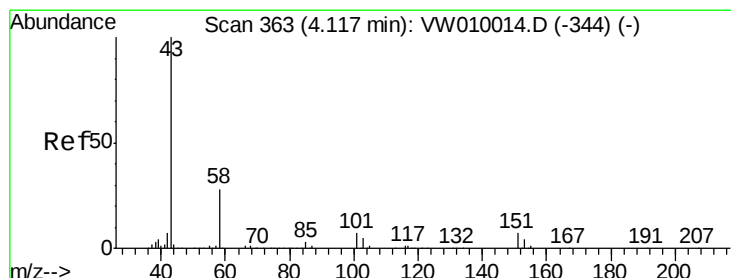
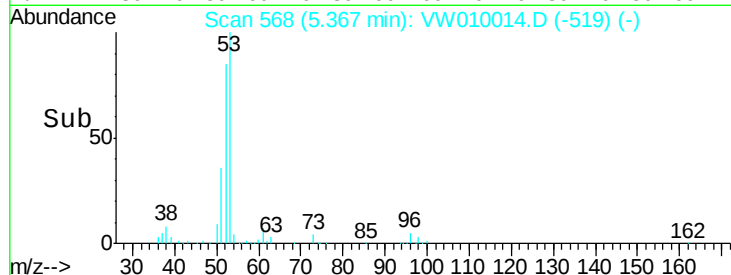
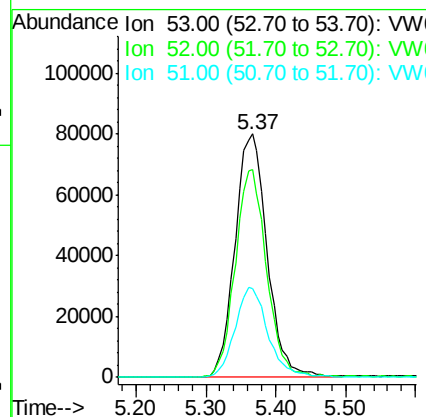
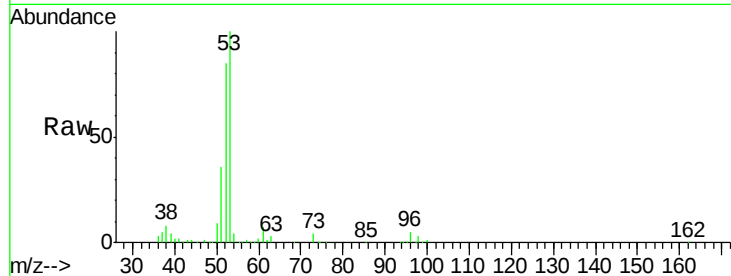
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	256436
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.9	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 240.819 ug/l

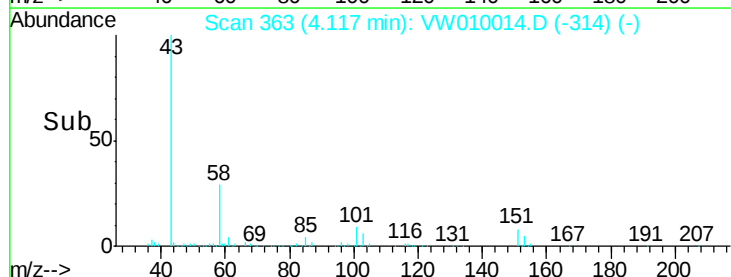
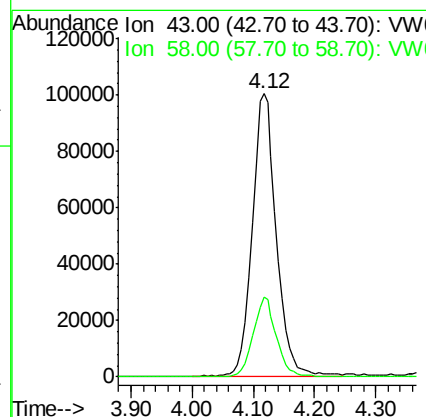
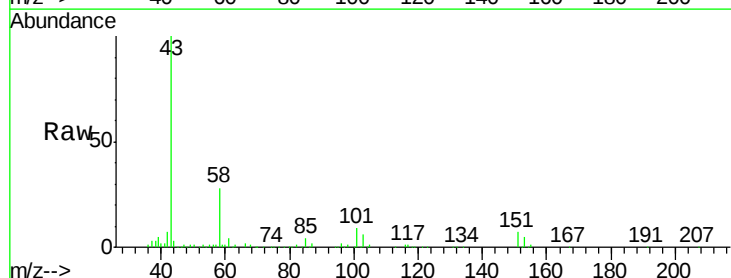
RT: 4.12 min Scan# 363

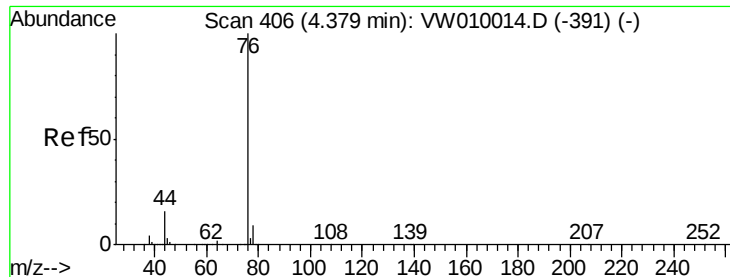
Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Tgt Ion:	43	Resp:	277746
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.7	34.1





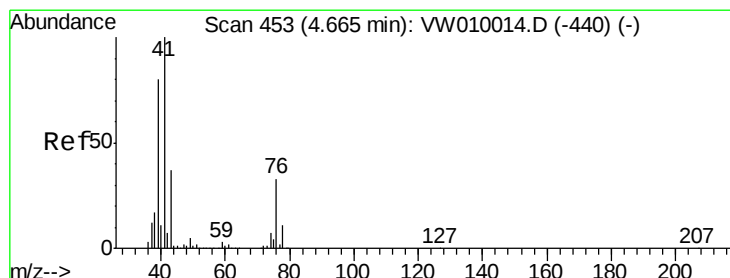
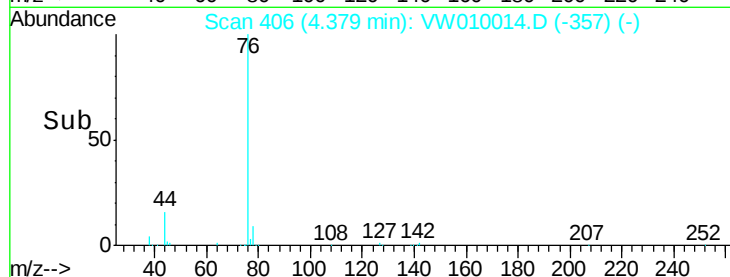
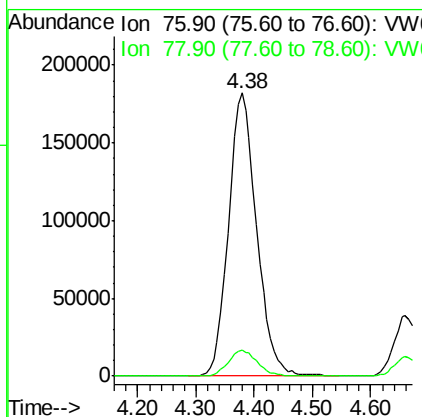
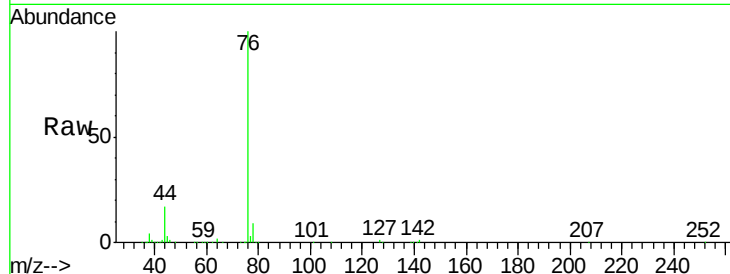
#17
Carbon Disulfide
Concen: 55.893 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

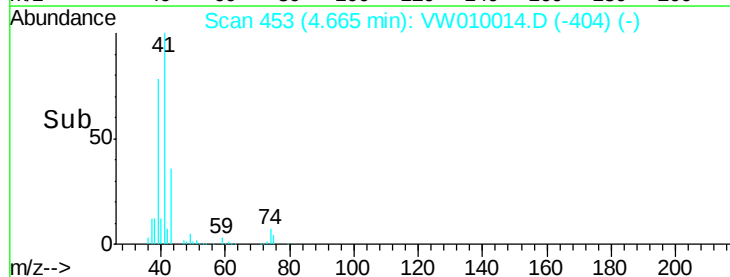
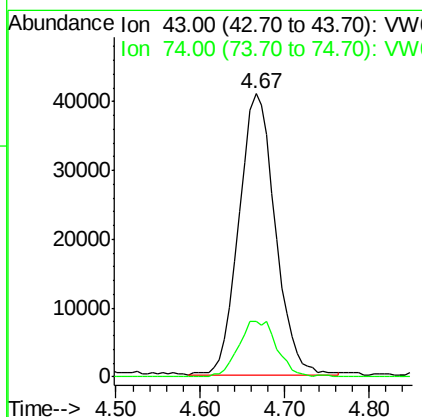
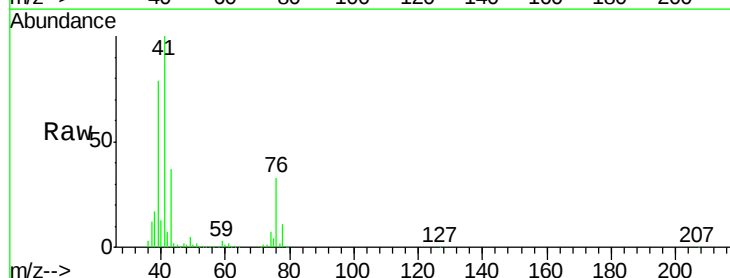
Manual Integrations
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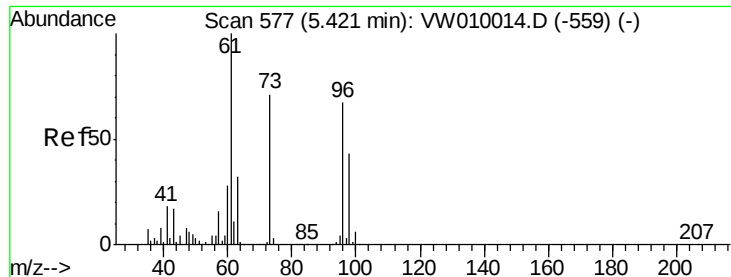
MMDadoda
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#18
Methyl Acetate
Concen: 44.778 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.8	25.2





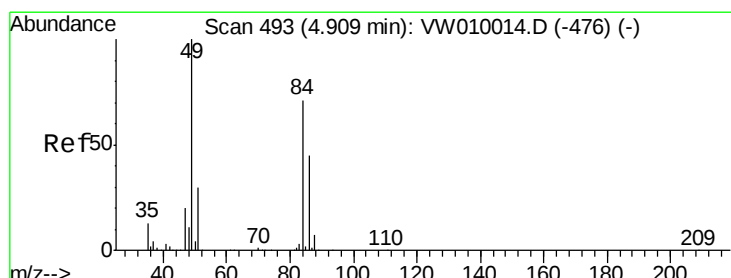
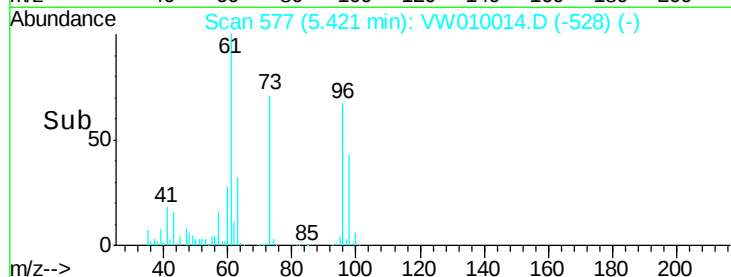
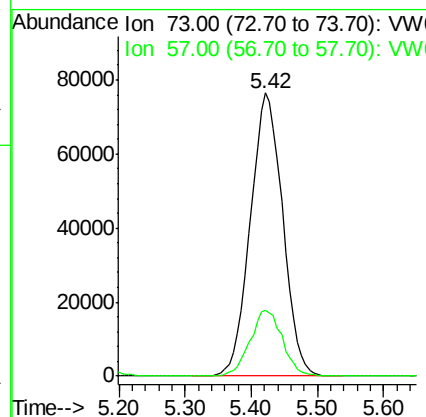
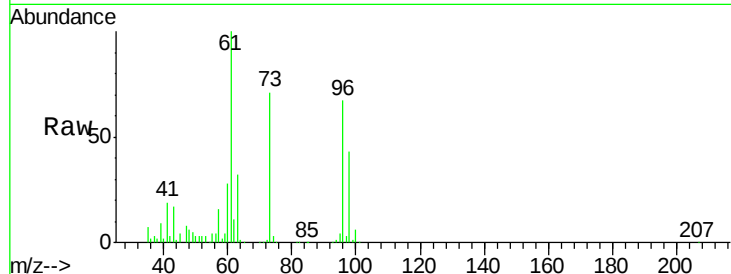
#19
Methvl tert-butvl Ether
Concen: 50.308 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

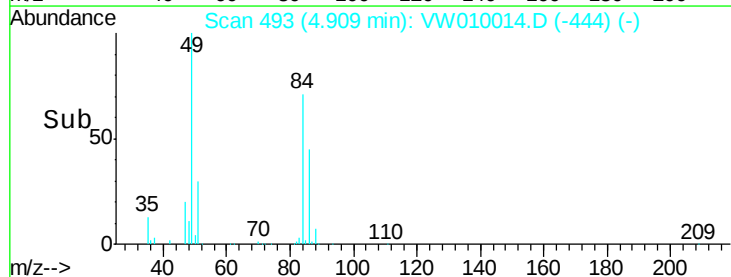
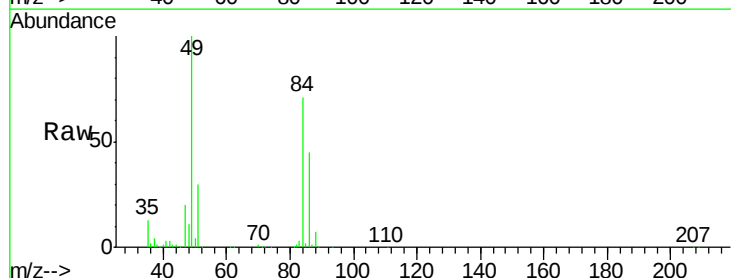
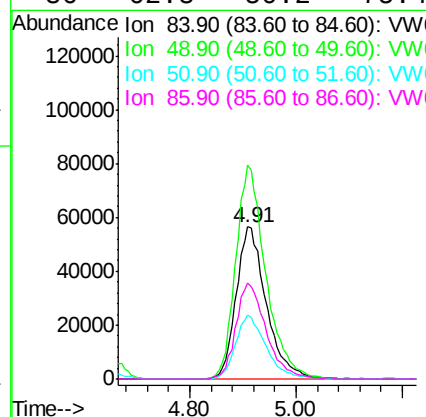
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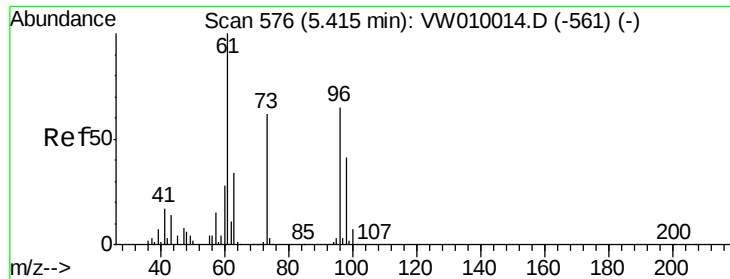
MMDadoda
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#20
Methylene Chloride
Concen: 41.967 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.4	112.3	168.5
51	42.4	33.9	50.9
86	62.8	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 51.880 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

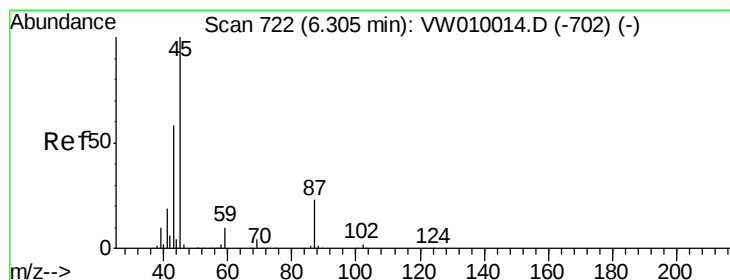
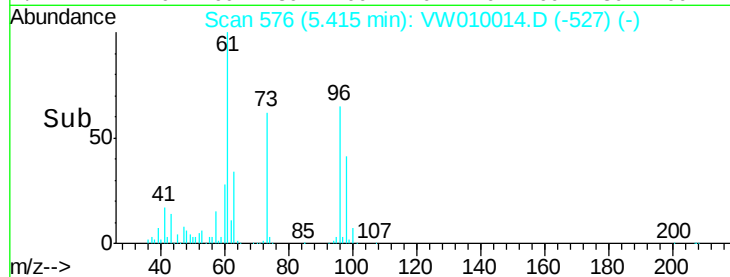
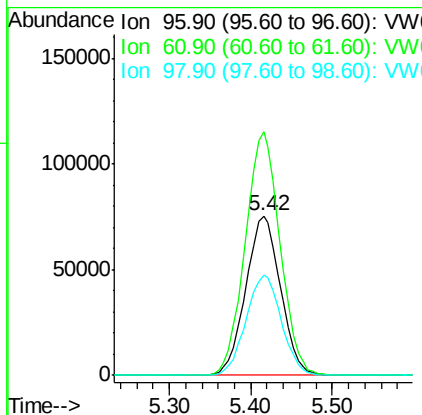
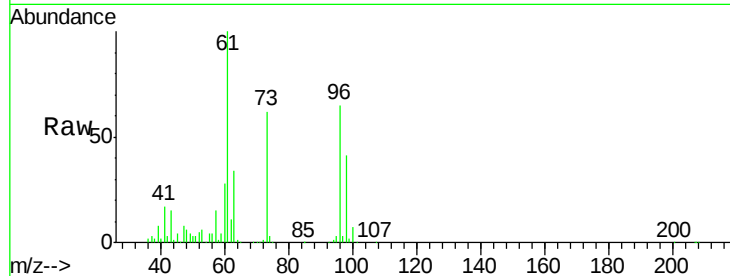
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	223711
Ion	Ratio	Lower	Upper
96	100		
61	152.9	122.3	183.5
98	63.1	50.5	75.7

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#22

Diisopropyl ether

Concen: 50.568 ug/l

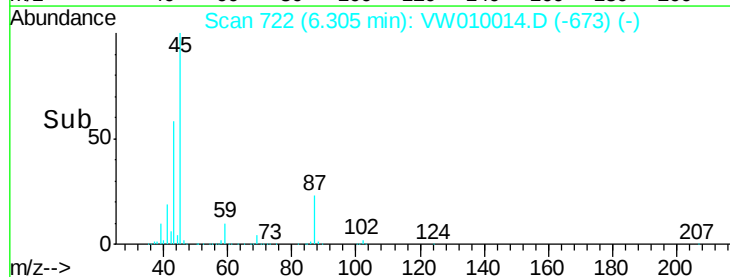
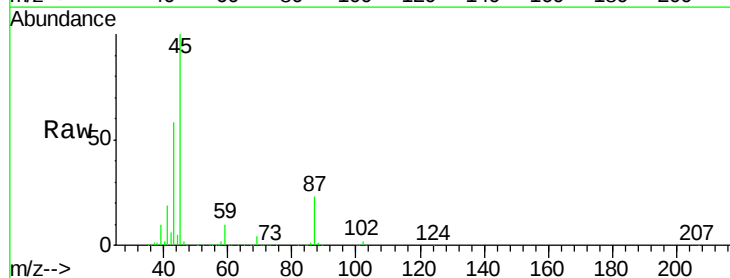
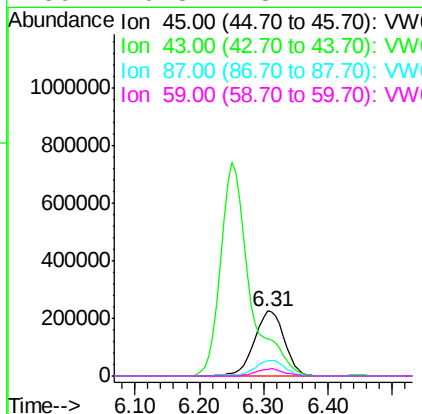
RT: 6.31 min Scan# 722

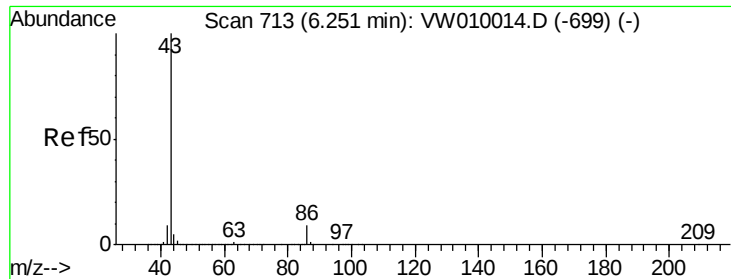
Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Tgt Ion:	45	Resp:	726177
Ion	Ratio	Lower	Upper
45	100		
43	57.6	46.1	69.1
87	22.9	18.3	27.5
59	10.3	8.2	12.4





#23

Vinyl Acetate

Concen: 260.322 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Tot Ion: 43 Resp: 2353333

Ion Ratio Lower Upper

43 100

86 8.8 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

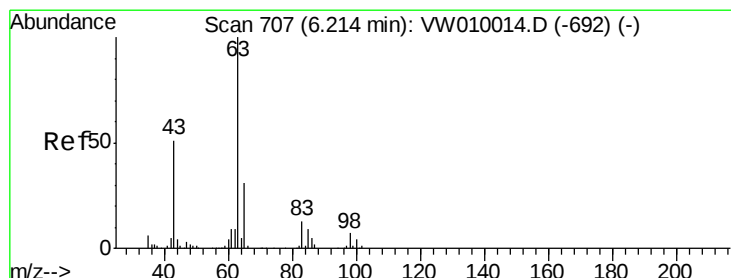
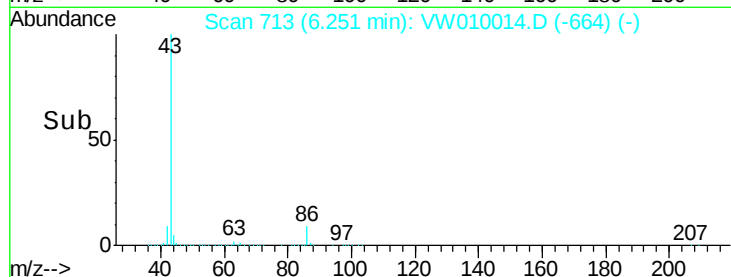
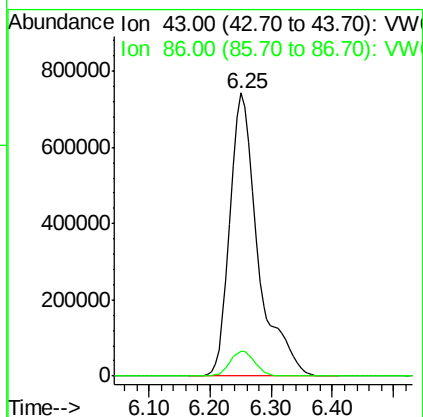
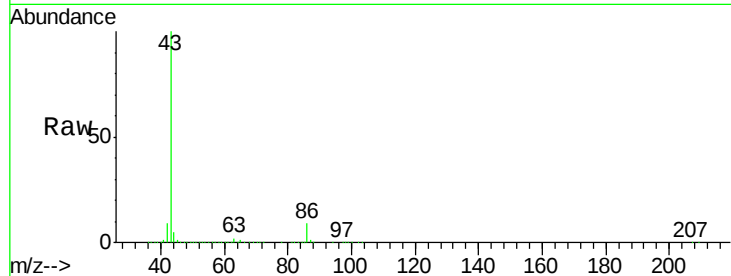
VSTDICCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.795 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

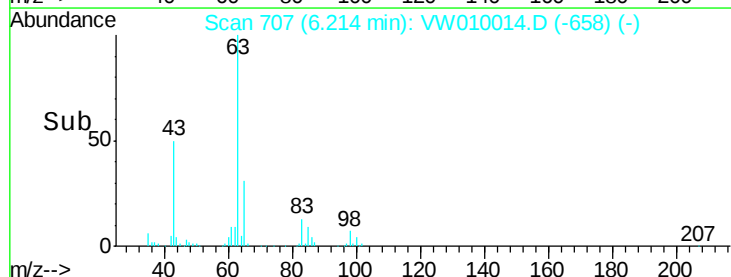
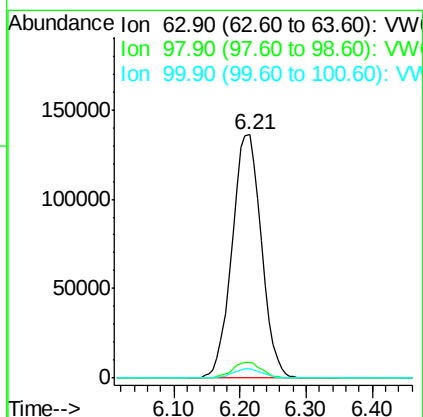
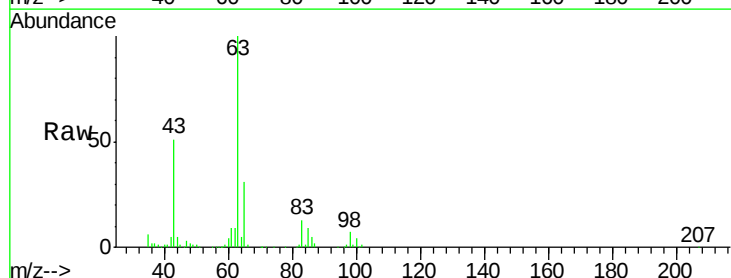
Tgt Ion: 63 Resp: 418887

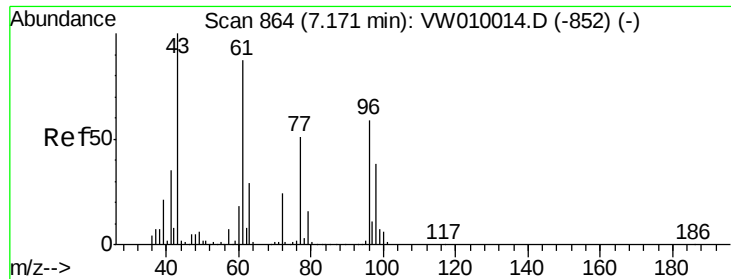
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 246.670 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 373716

Ion Ratio Lower Upper

43 100

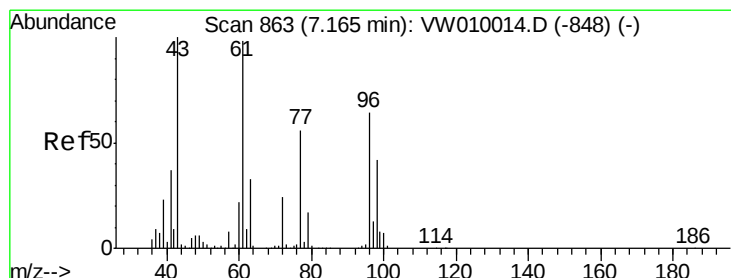
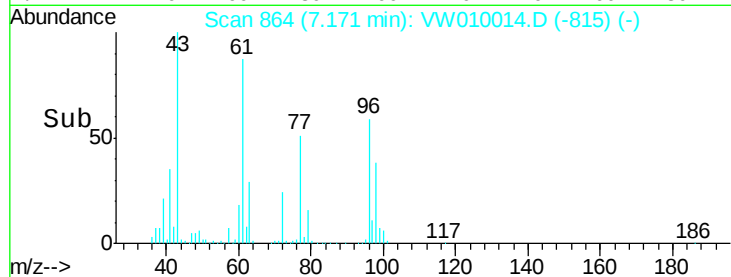
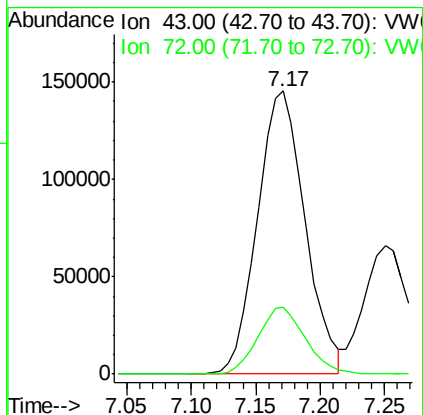
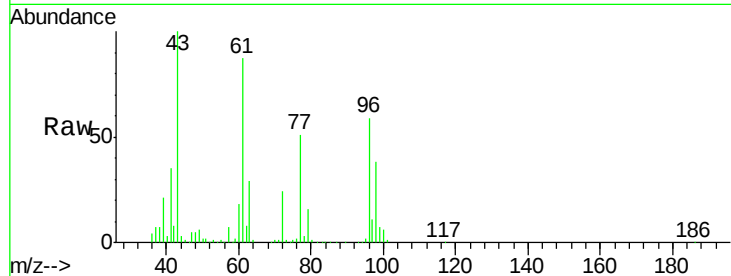
72 23.9 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.460 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010014.D

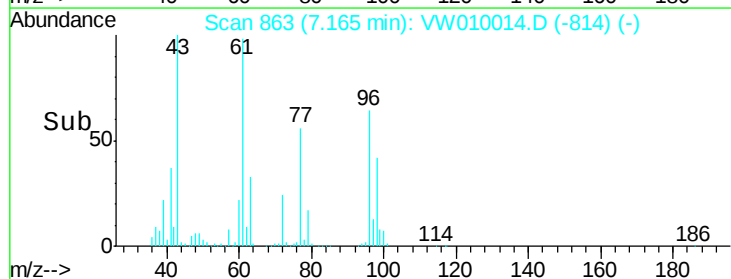
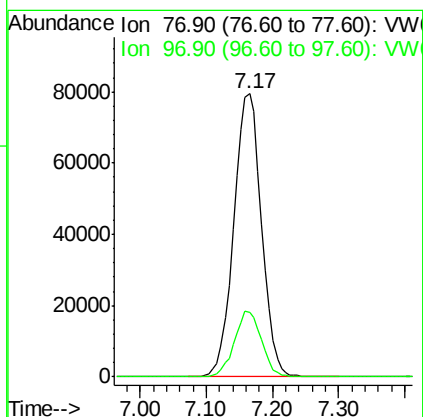
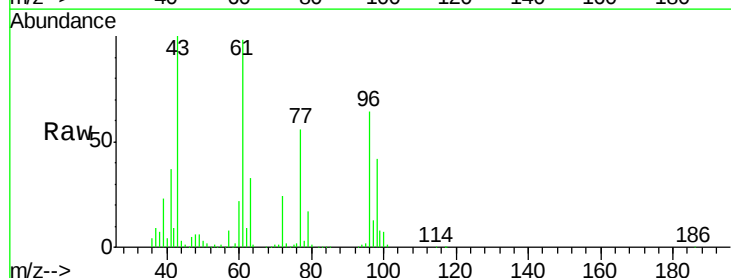
Acq: 17 Apr 2019 12:17

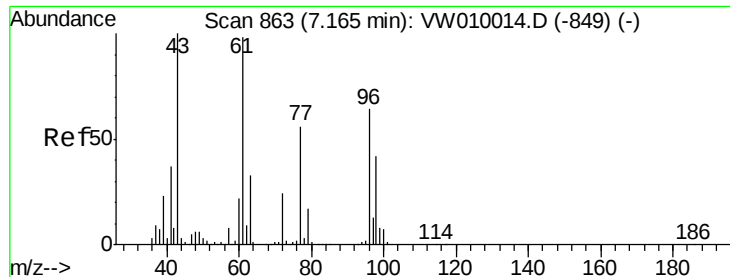
Tgt Ion: 77 Resp: 230160

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

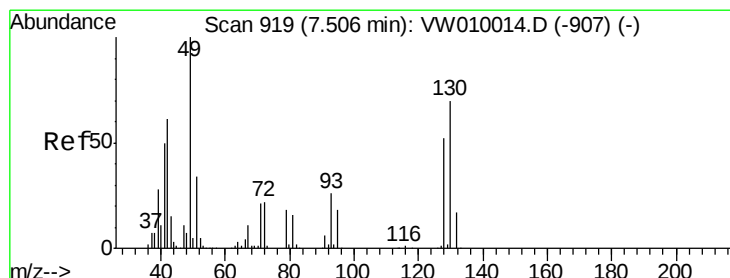
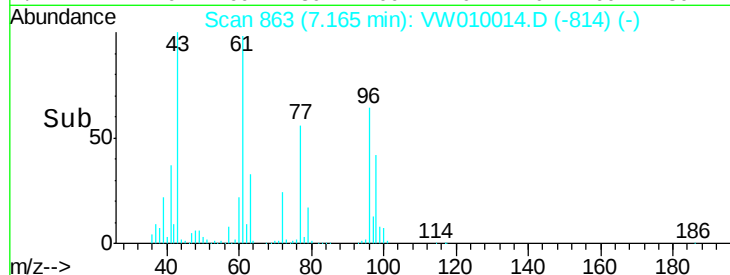
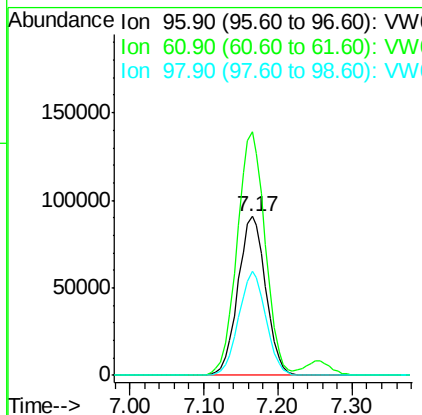
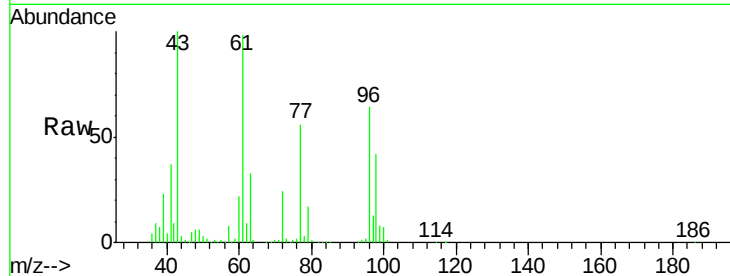
cis-1,2-Dichloroethene
Concen: 50.082 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	237509		
61	154.7	0.0	309.4	
98	64.3	0.0	128.6	

Manual Integrations
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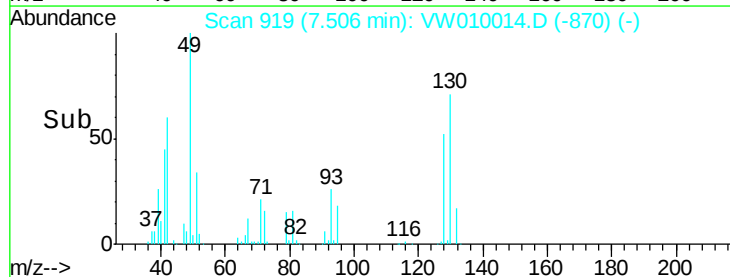
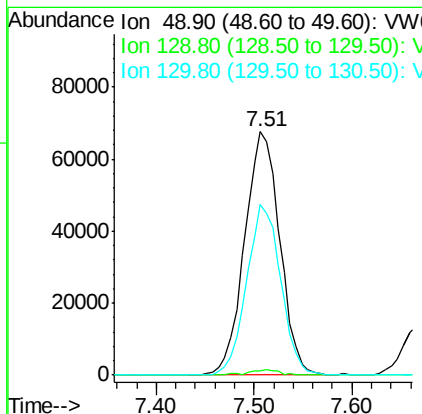
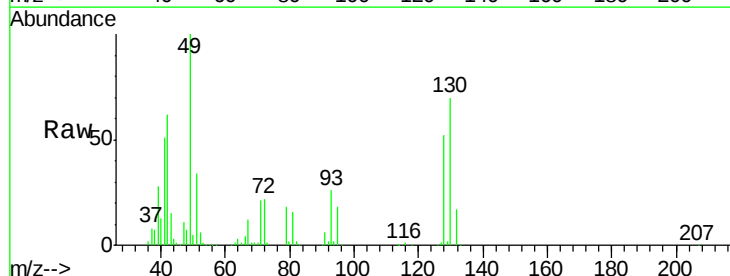
MMDadoda
4/18/2019 11:40:12 AM

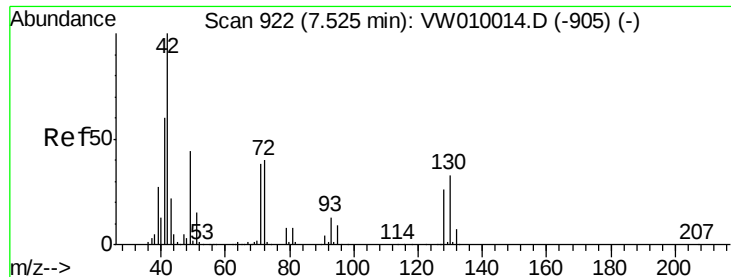


#28

Bromochloromethane
Concen: 48.196 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	169085		
129	1.9	0.0	3.8	
130	68.3	54.6	82.0	





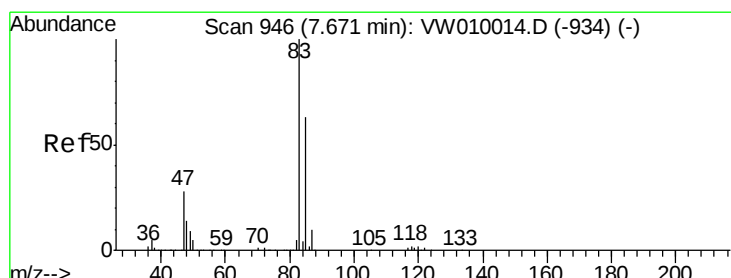
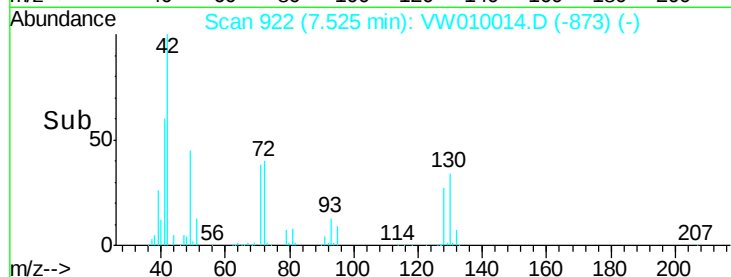
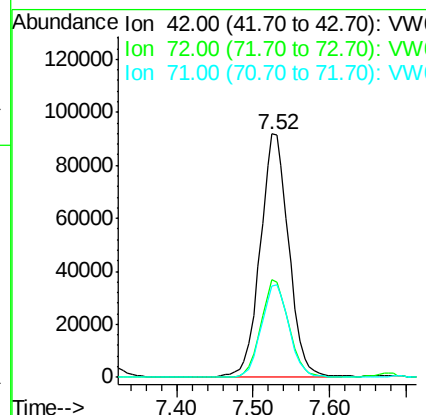
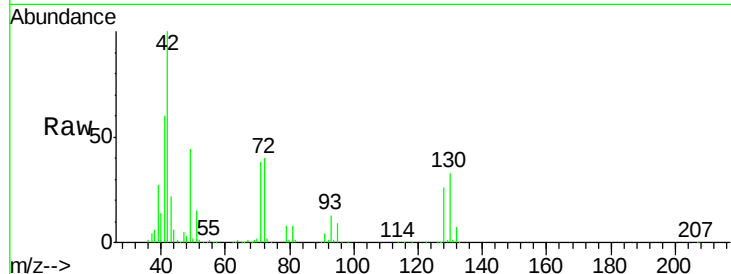
#29
Tetrahydrofuran
Concen: 248.645 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.0	46.6
71	37.1	29.7	44.5

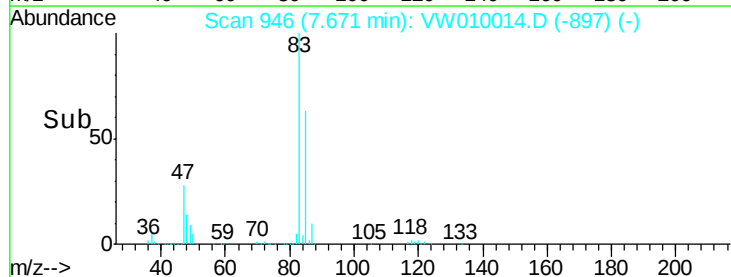
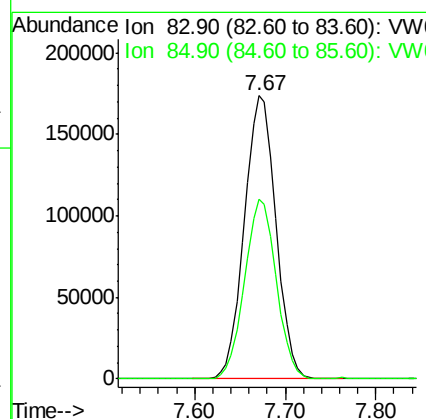
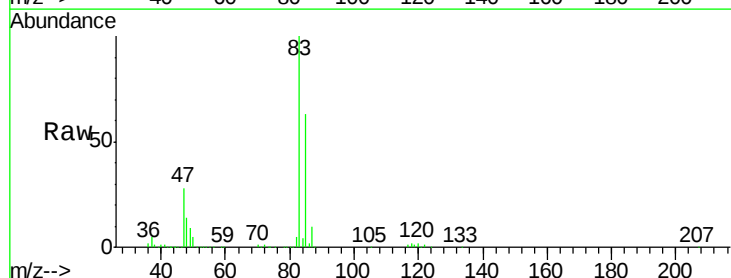
Manual Integrations
APPROVED

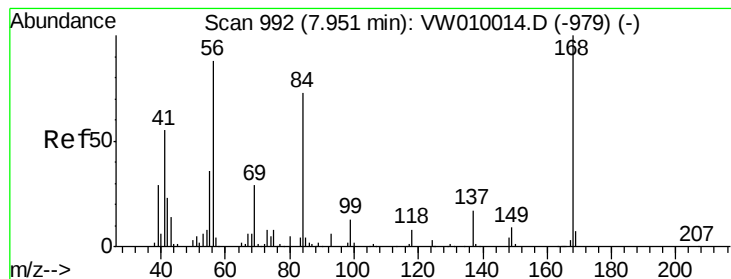
MMDadoda
4/18/2019 11:40:12 AM



#30
Chloroform
Concen: 48.620 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1





#31

Cyclohexane

Concen: 49.494 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

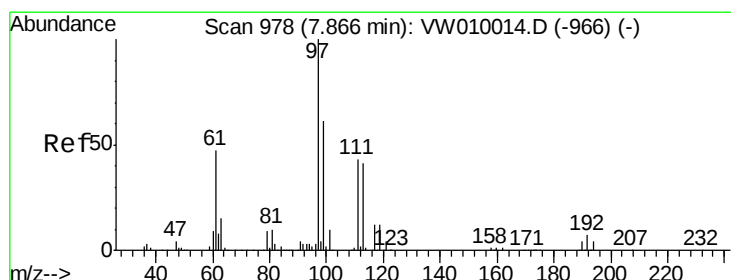
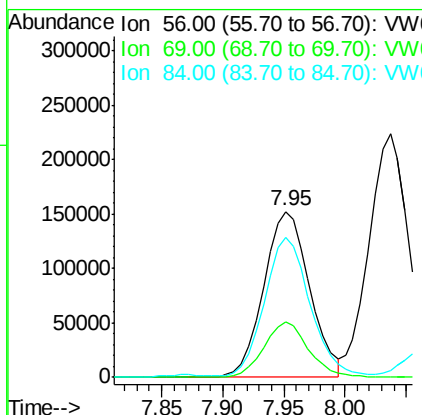
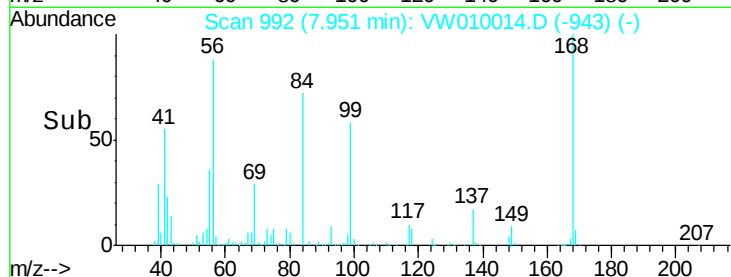
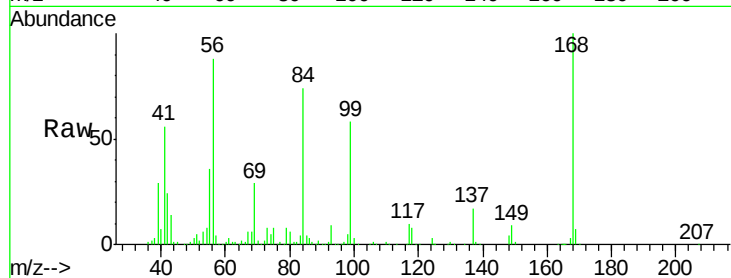
ClientSampleID :

VSTDICCC050

Tot Ion:	56	Resp:	397873
Ion Ratio	Lower	Upper	
56	100		
69	33.3	26.6	40.0
84	82.7	66.2	99.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.438 ug/l

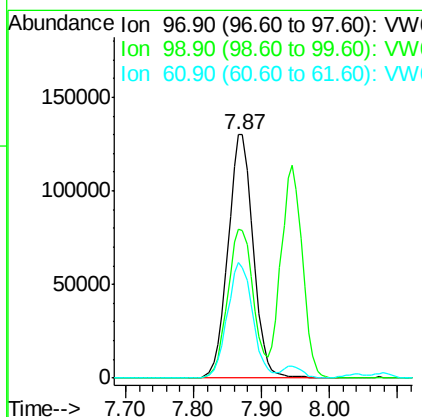
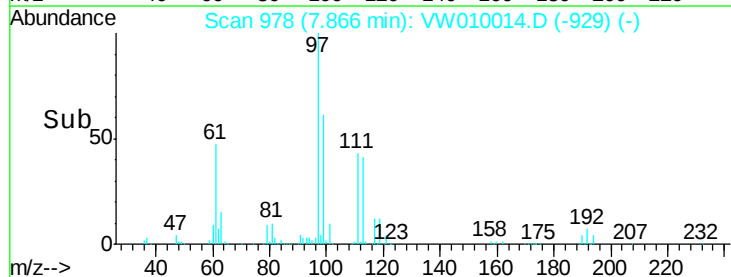
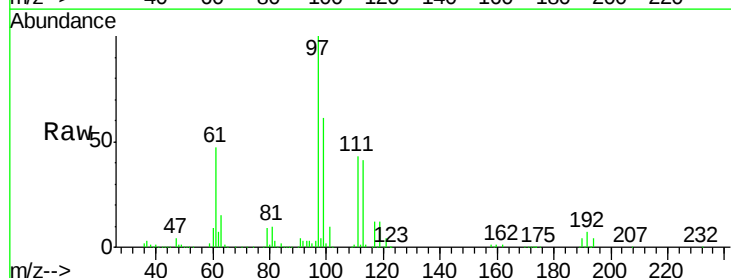
RT: 7.87 min Scan# 978

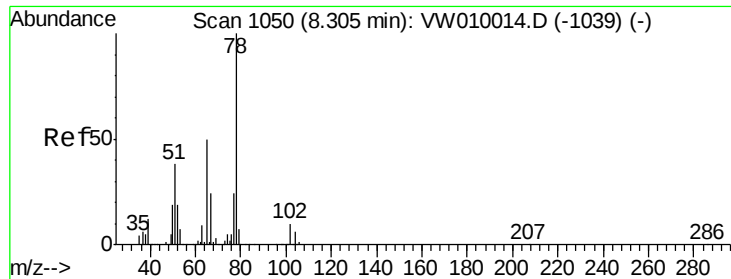
Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Tgt Ion:	97	Resp:	333850
Ion Ratio	Lower	Upper	
97	100		
99	62.7	50.2	75.2
61	47.7	38.2	57.2





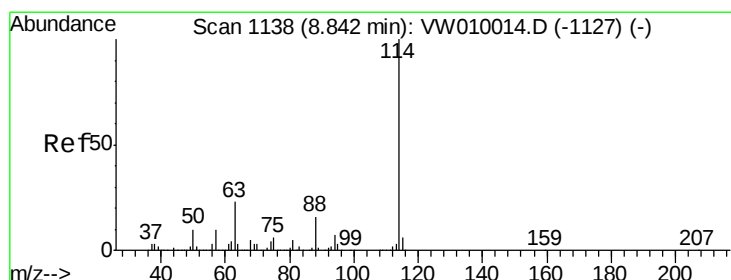
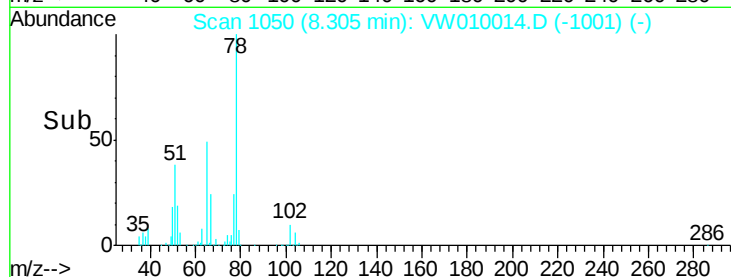
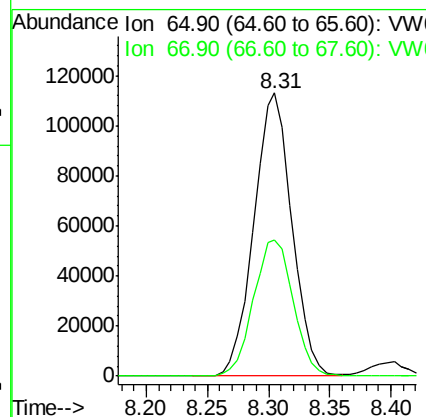
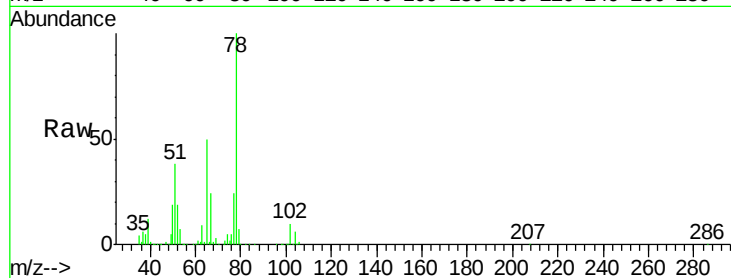
#33
 1,2-Dichloroethane-d4
 Concen: 49.187 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	244500		
67	50.4	0.0	100.8	

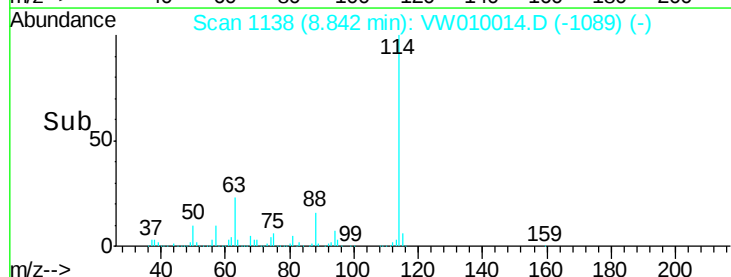
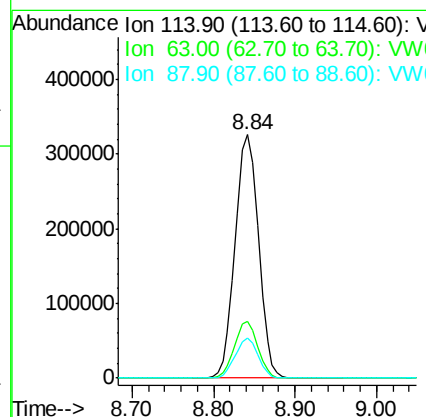
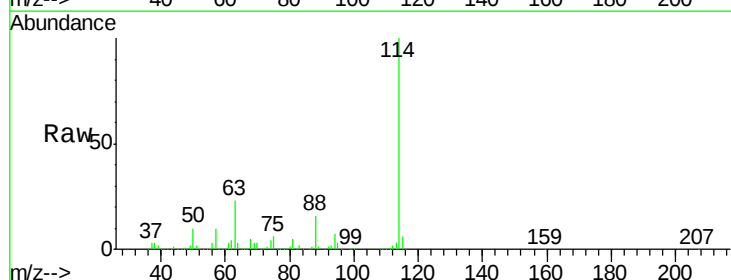
Manual Integrations
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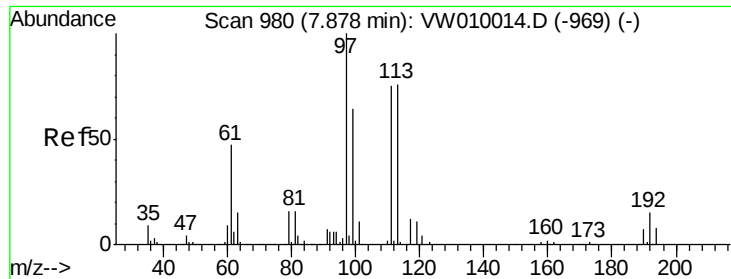
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 4/18/2019 11:40:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	642072		
63	23.1	0.0	46.2	
88	16.3	0.0	32.6	





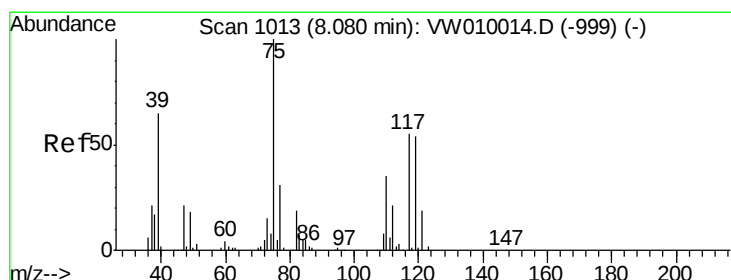
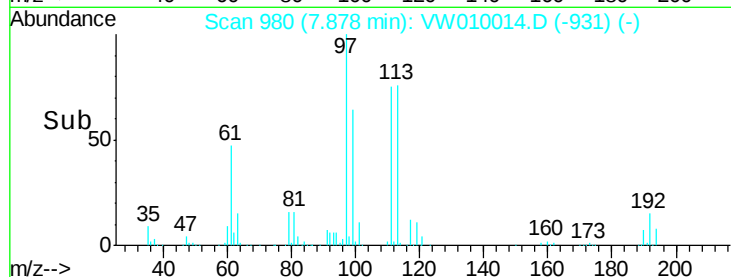
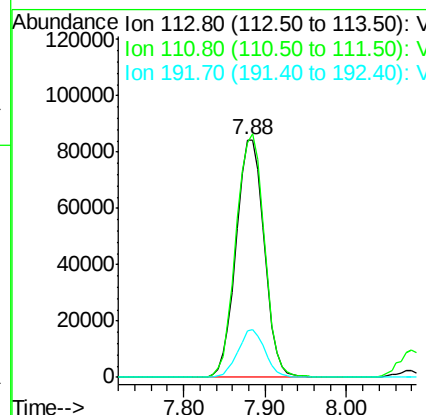
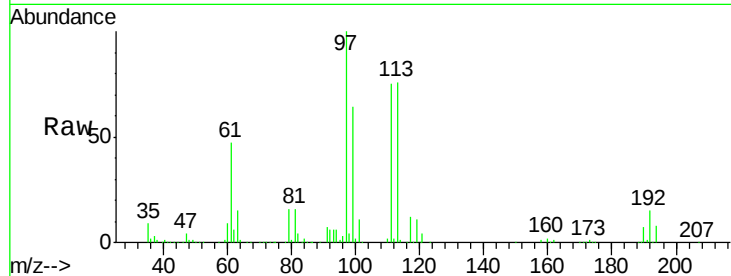
#35
 Dibromofluoromethane
 Concen: 49.188 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	200789		
111	103.2	82.6	123.8	
192	19.3	15.4	23.2	

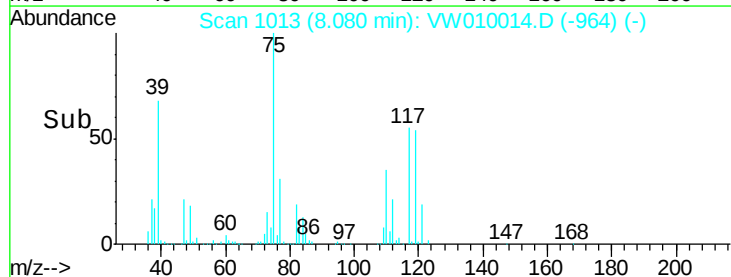
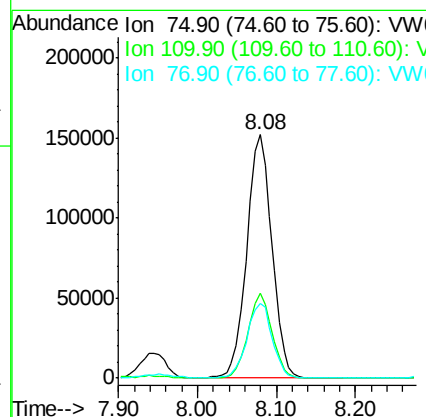
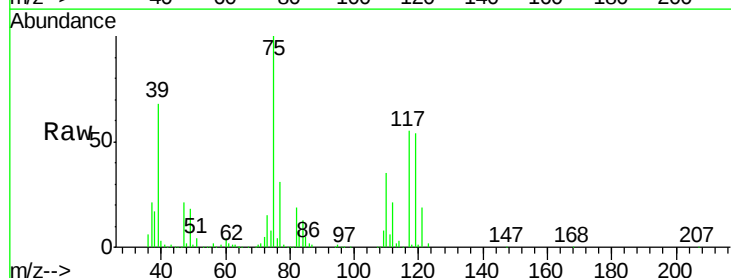
Manual Integrations
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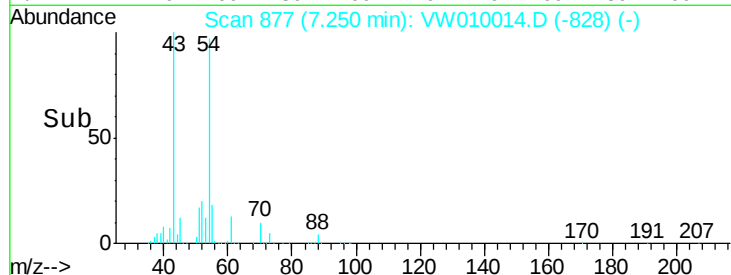
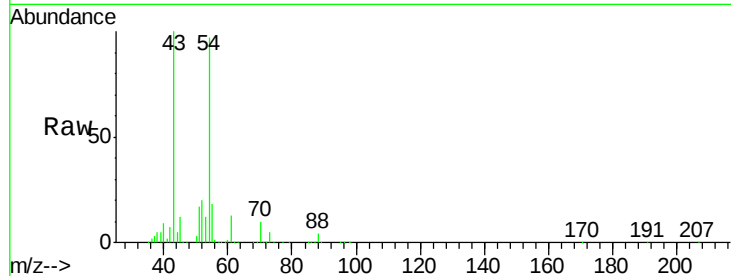
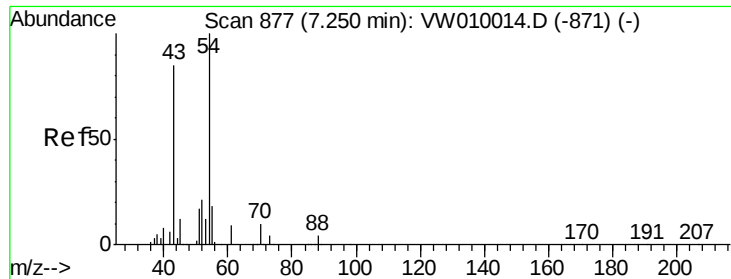
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#36
 1,1-Dichloropropene
 Concen: 51.539 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	338026		
110	33.2	16.6	49.8	
77	31.0	24.8	37.2	





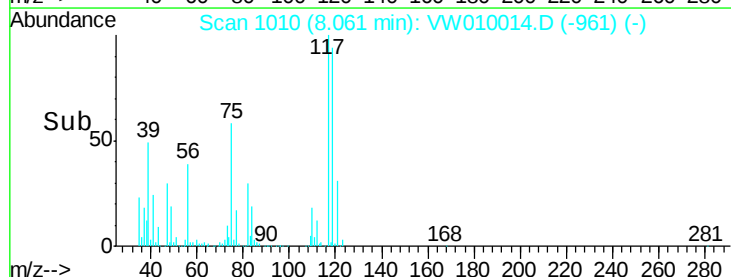
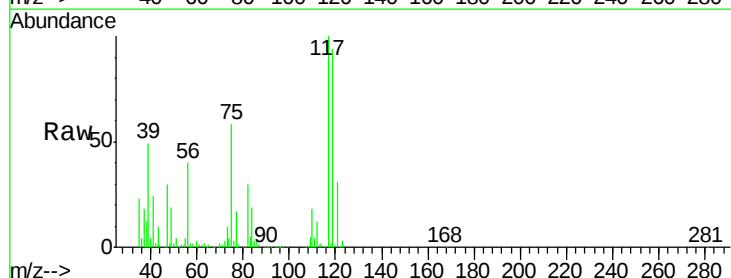
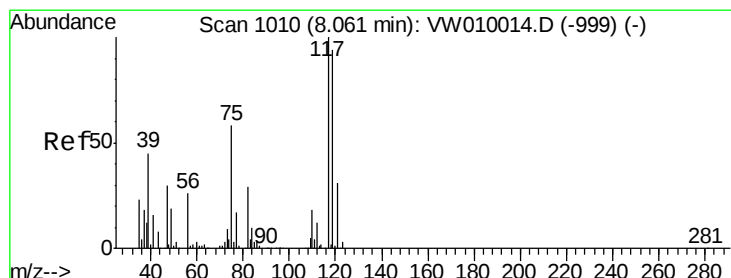
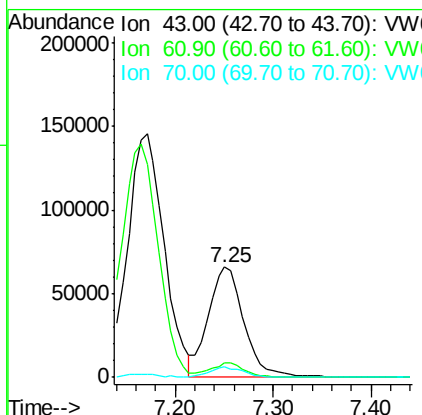
#37
Ethyl Acetate
Concen: 49.533 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tot Ion	Ratio	Resp	Lower	Upper
43	100	165082		
61	12.3		9.8	14.8
70	9.2		7.4	11.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

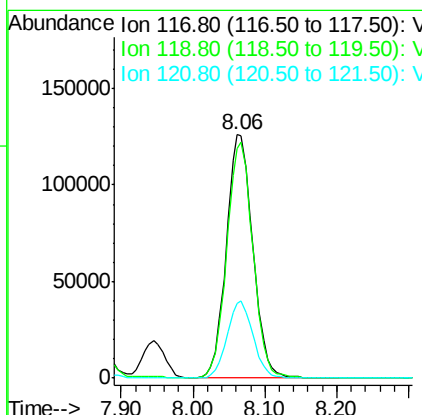
Manual Integrations
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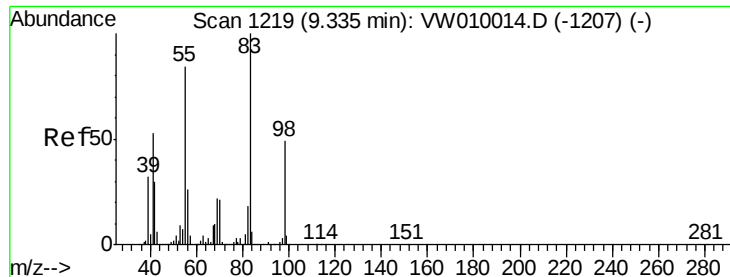
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#38
Carbon Tetrachloride
Concen: 50.306 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	322010		
119	94.1		75.3	112.9
121	30.5		24.4	36.6





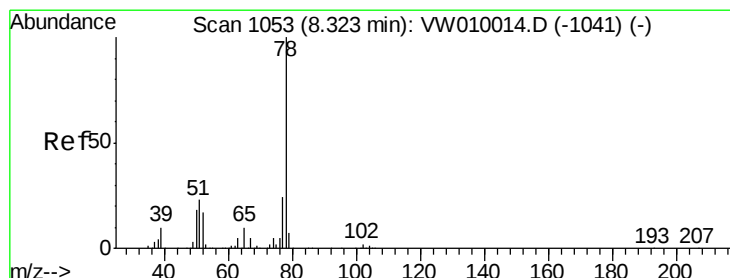
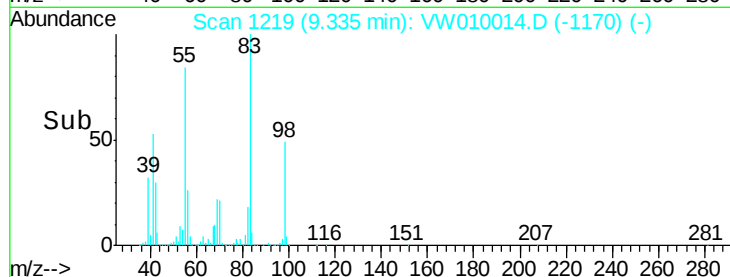
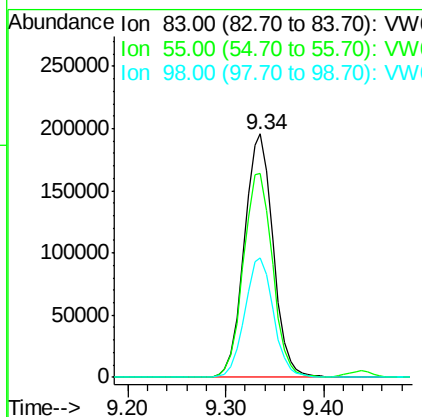
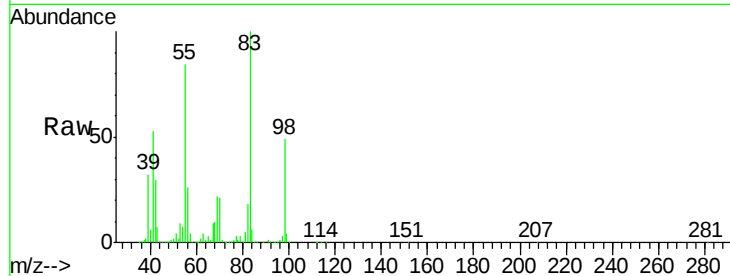
#39
Methvlcvclohexane
Concen: 54.026 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.9	67.1	100.7
98	49.0	39.2	58.8

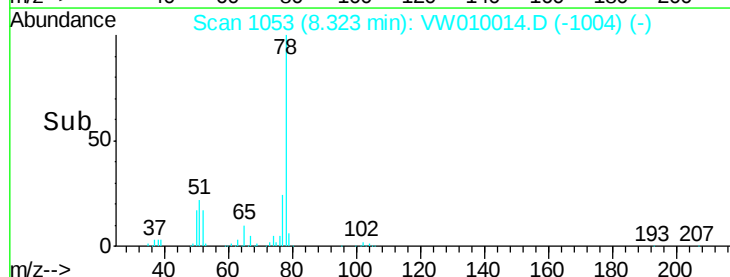
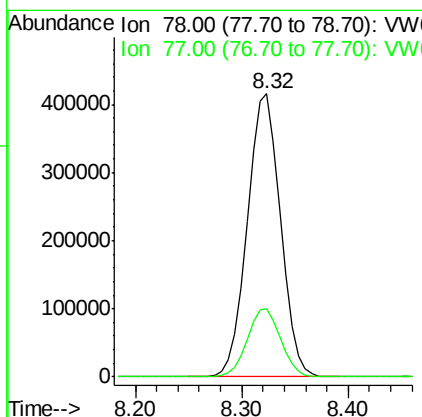
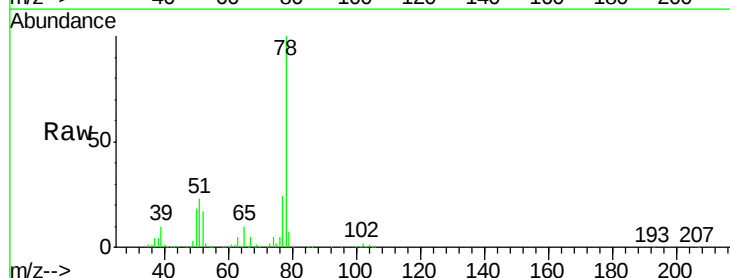
Manual Integrations
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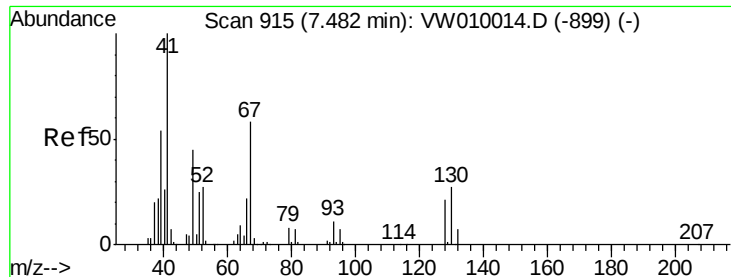
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#40
Benzene
Concen: 50.756 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





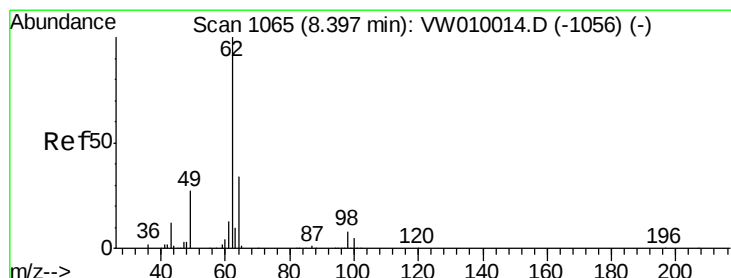
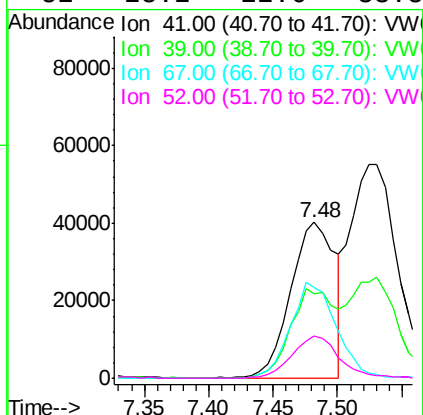
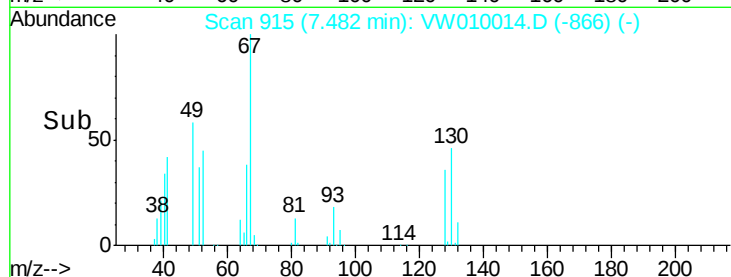
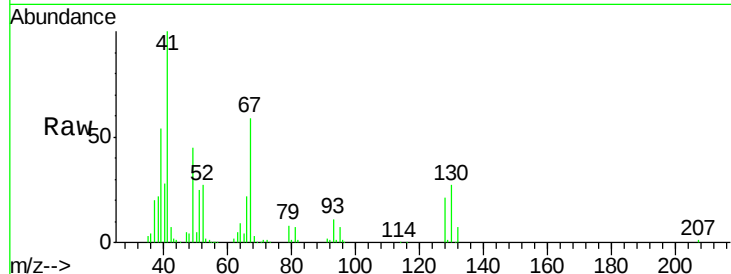
#41
Methacrylonitrile
Concen: 50.774 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	45.0	67.4	
67	63.4	50.7	76.1	
52	28.2	22.6	33.8	

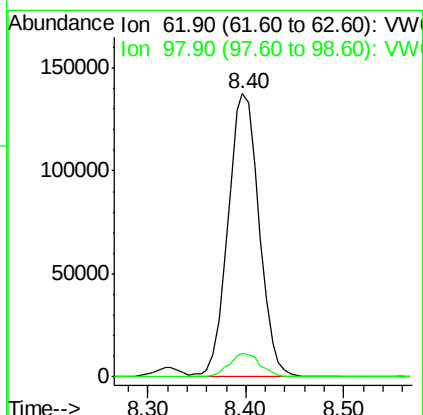
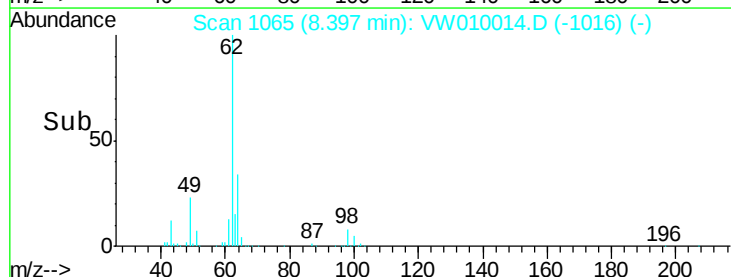
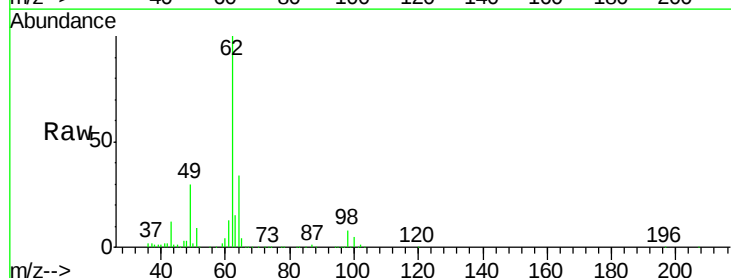
Manual Integrations
APPROVED

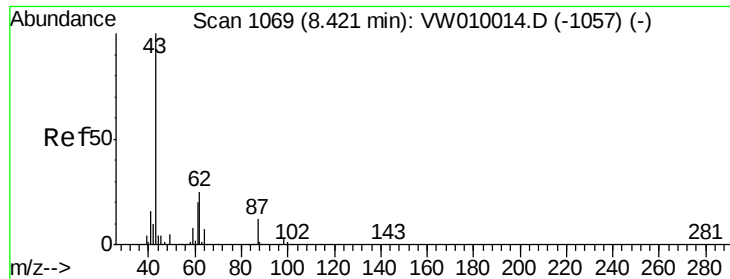
MMDadoda
4/18/2019 11:40:12 AM



#42
1,2-Dichloroethane
Concen: 49.141 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





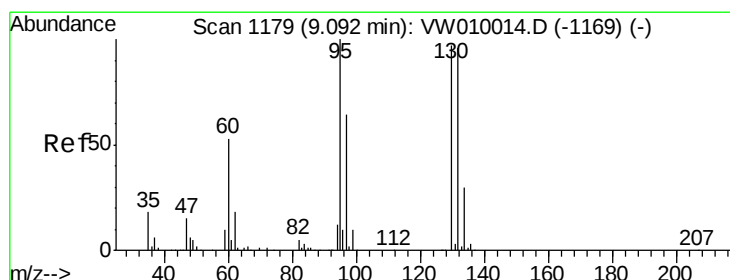
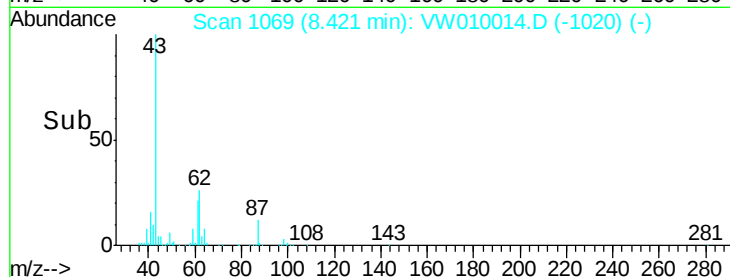
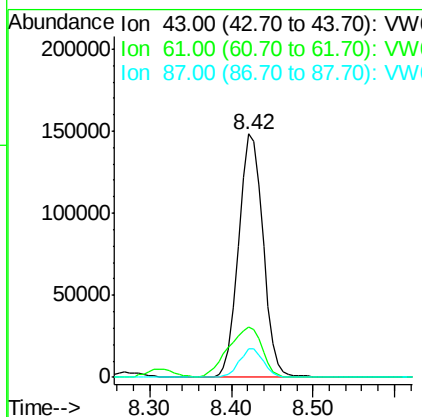
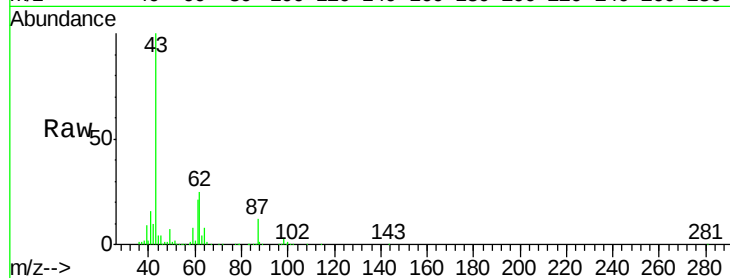
#43
Isopropyl Acetate
Concen: 49.150 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.0	34.6
87	11.6	9.3	13.9

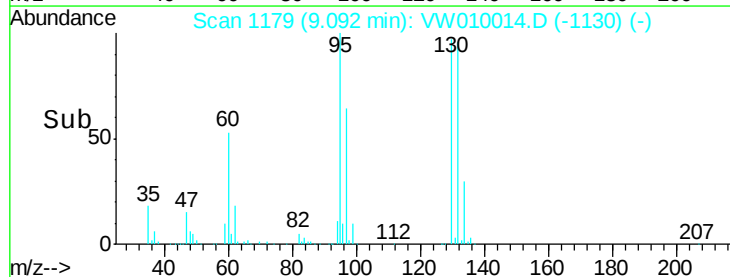
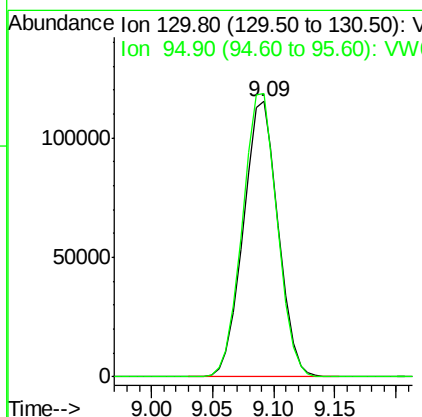
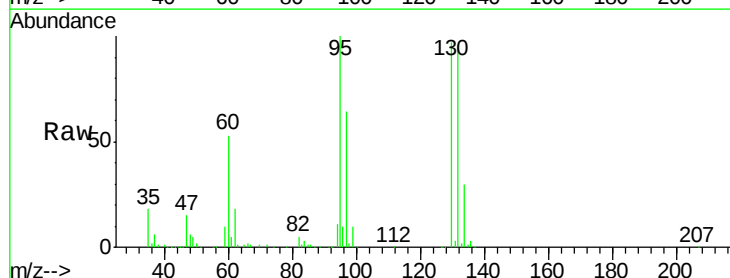
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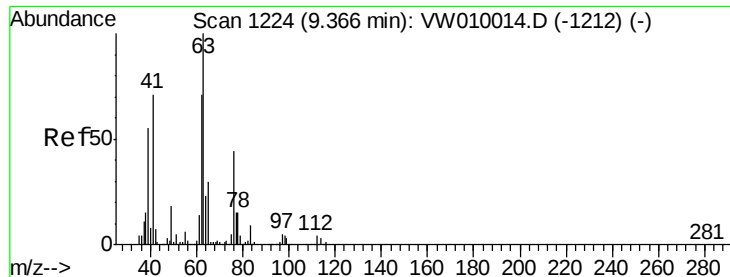
MMDadoda
4/18/2019 11:40:12 AM



#44
Trichloroethene
Concen: 50.030 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	205.4





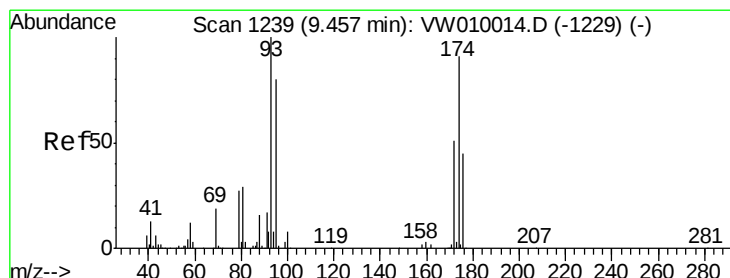
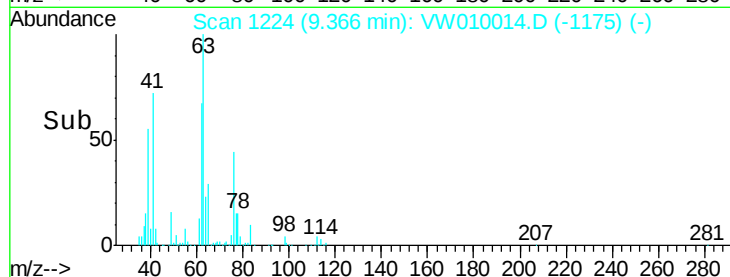
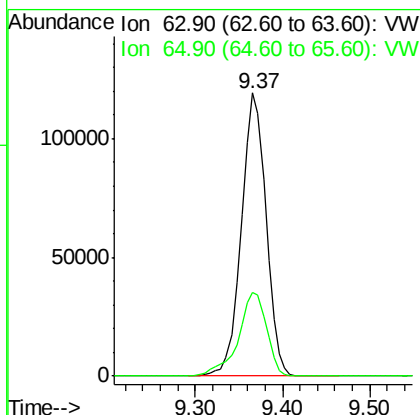
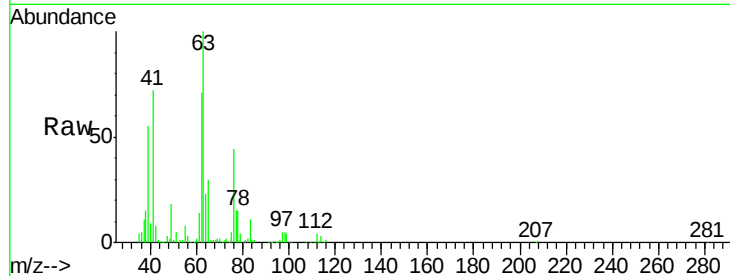
#45
 1,2-Dichloropropane
 Concen: 49.577 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	233693		
65	29.7		23.8	35.6

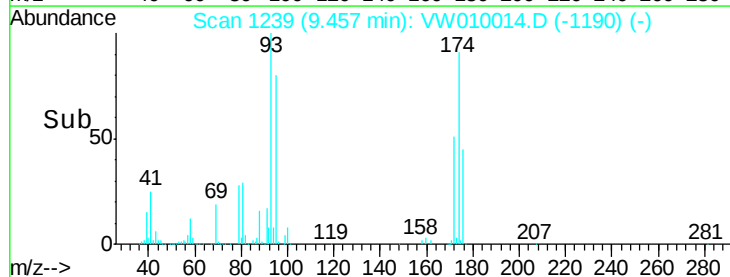
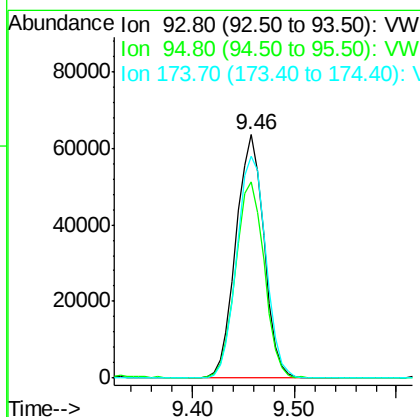
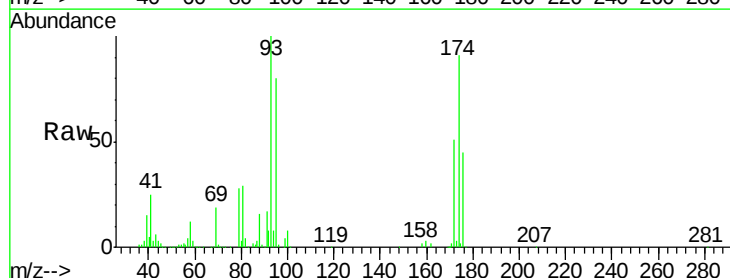
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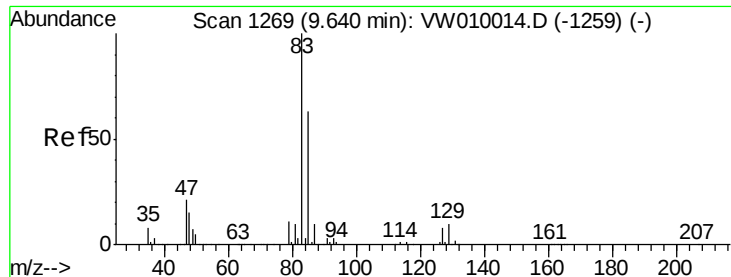
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#46
 Dibromomethane
 Concen: 49.515 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	120969		
95	82.3		65.8	98.8
174	94.4		75.5	113.3





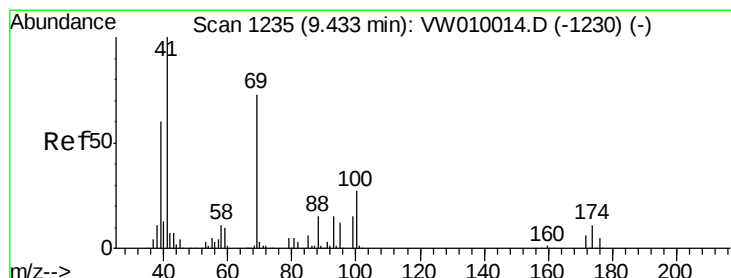
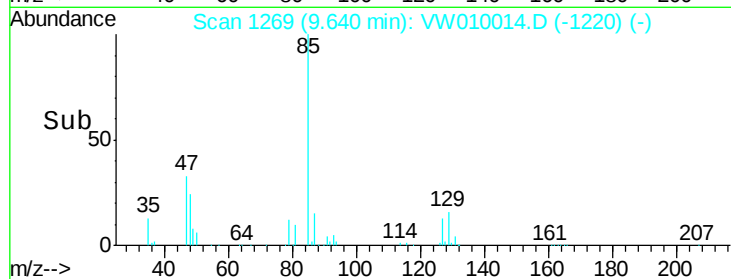
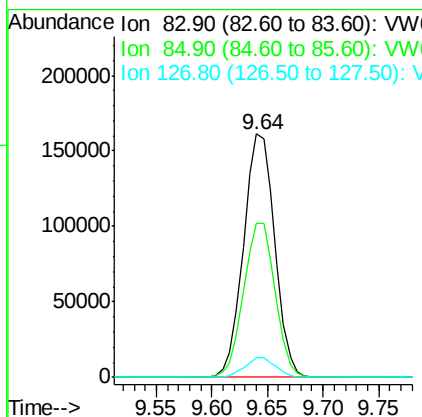
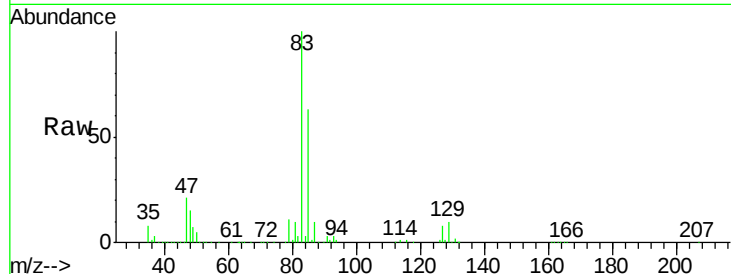
#47
Bromodichloromethane
Concen: 49.852 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	314400		
85	63.2	50.6	75.8	
127	8.3	6.6	10.0	

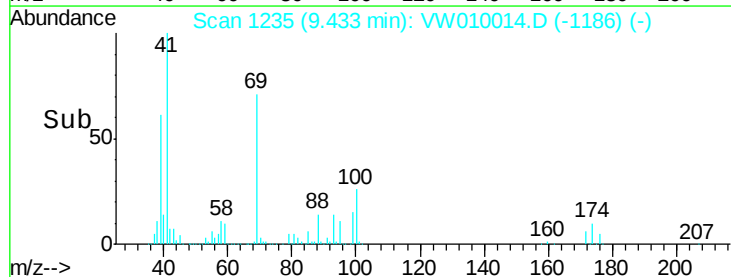
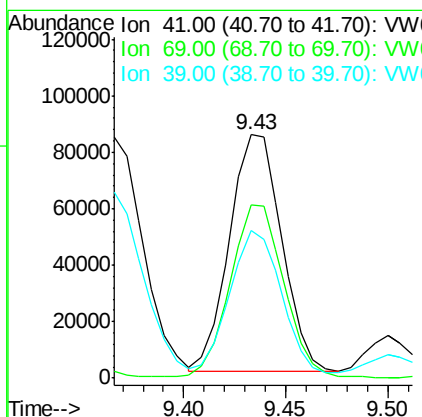
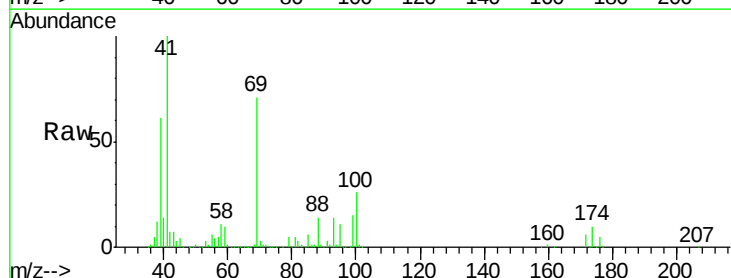
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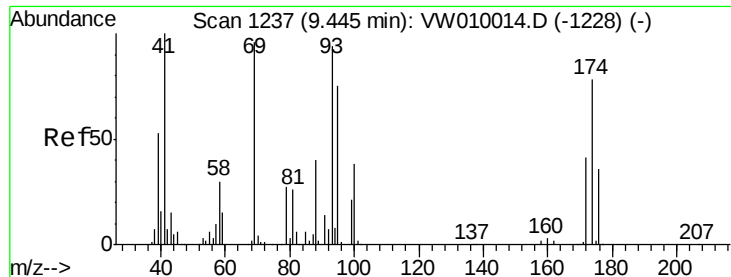
MMDadoda
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#48
Methyl methacrylate
Concen: 49.074 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	149185		
69	75.1	60.1	90.1	
39	63.8	51.0	76.6	





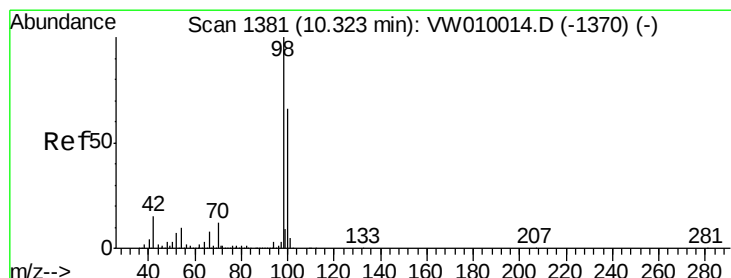
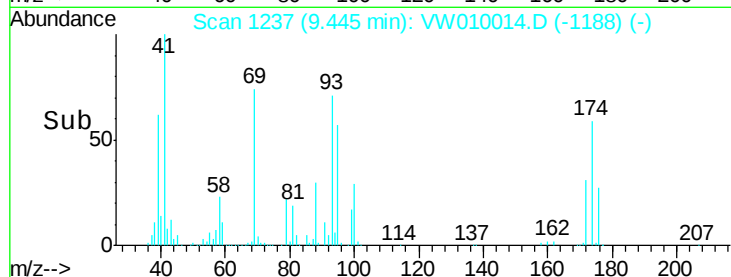
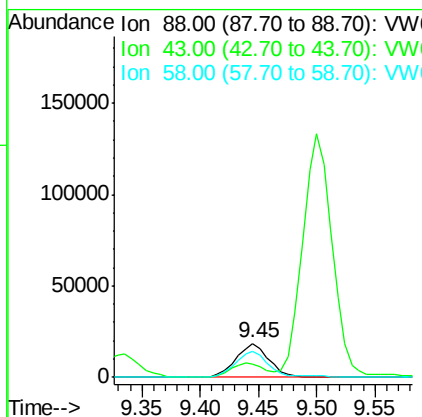
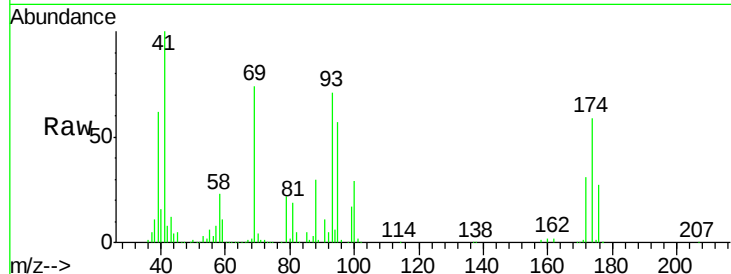
#49
1,4-Dioxane
Concen: 988.393 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	36897		
43	39.9		31.9	47.9
58	77.2		61.8	92.6

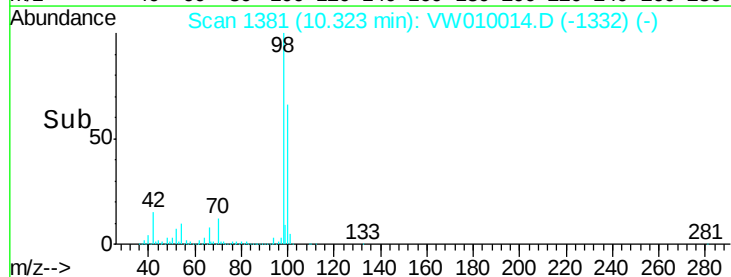
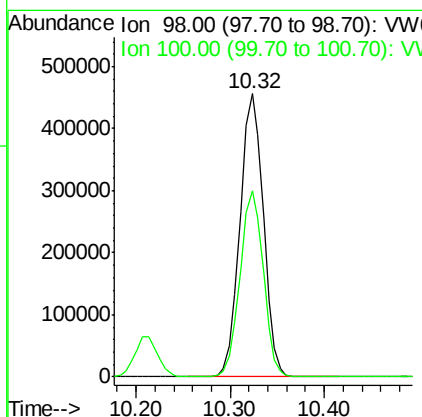
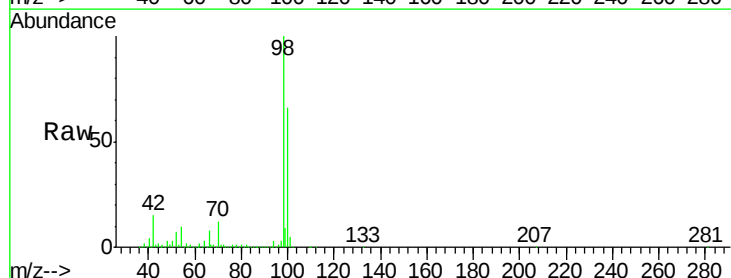
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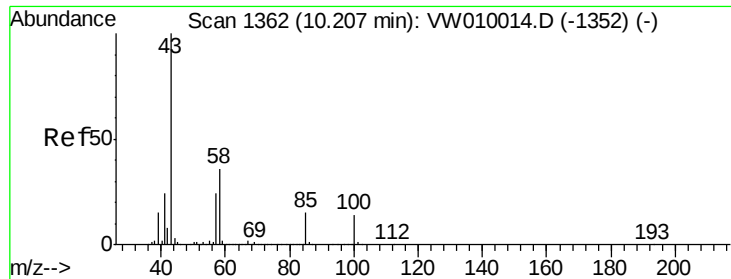
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#50
Toluene-d8
Concen: 51.702 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	790850		
100	65.4		52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 250.718 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 820089

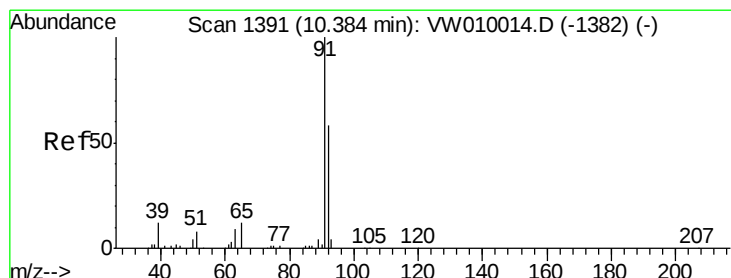
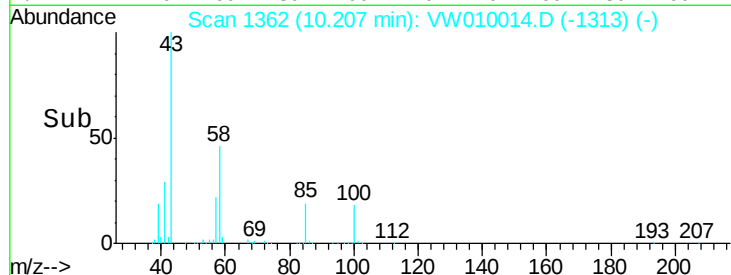
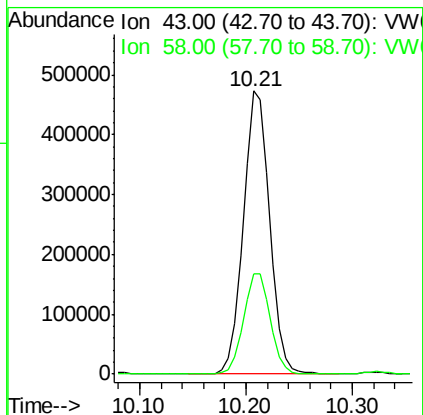
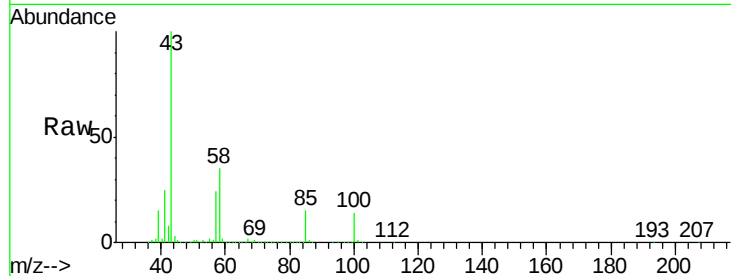
Ion Ratio Lower Upper

43 100

58 36.1 28.9 43.3

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#52

Toluene

Concen: 51.643 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010014.D

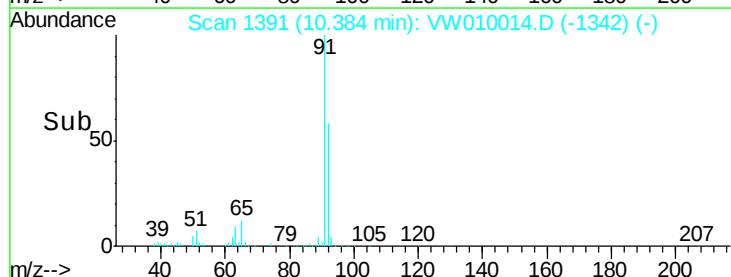
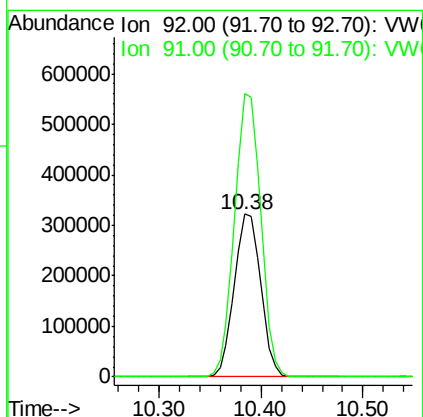
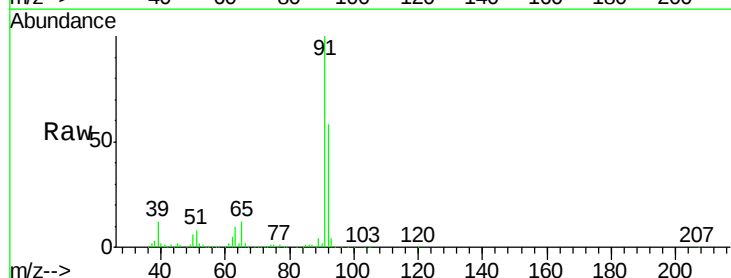
Acq: 17 Apr 2019 12:17

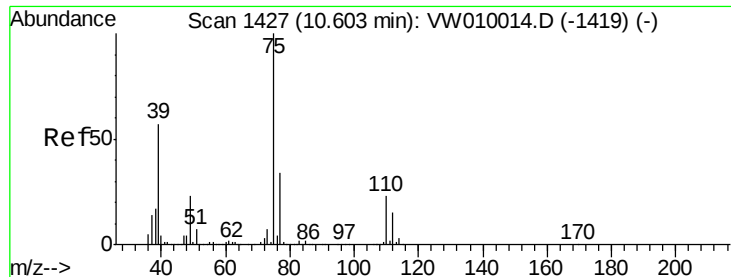
Tgt Ion: 92 Resp: 576898

Ion Ratio Lower Upper

92 100

91 173.1 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 50.969 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 318694

Ion Ratio Lower Upper

75 100

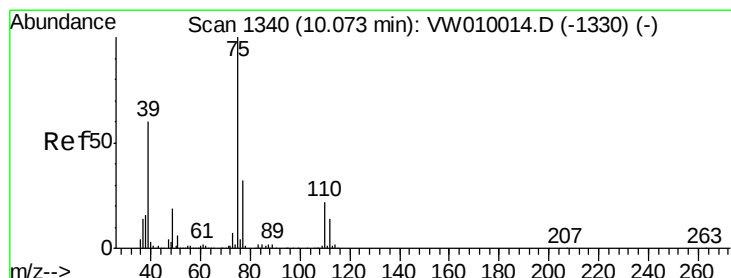
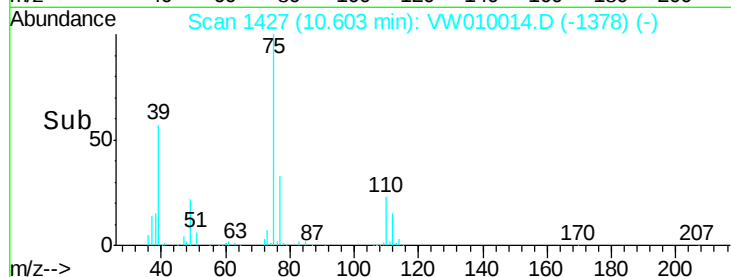
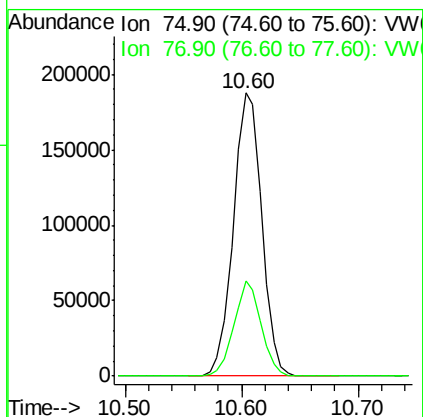
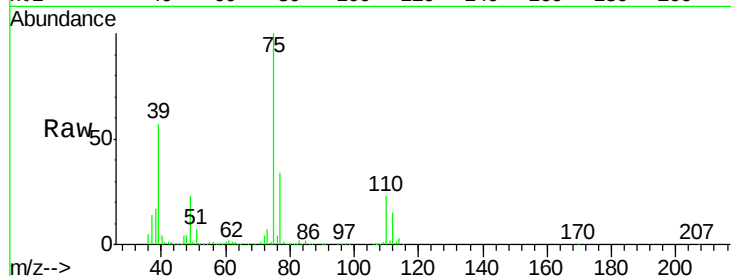
77 33.6 26.9 40.3

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#54

cis-1,3-Dichloropropene

Concen: 51.343 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

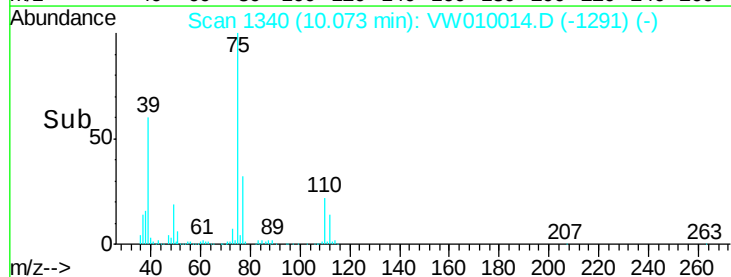
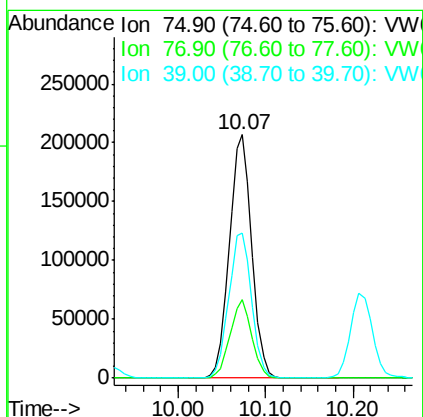
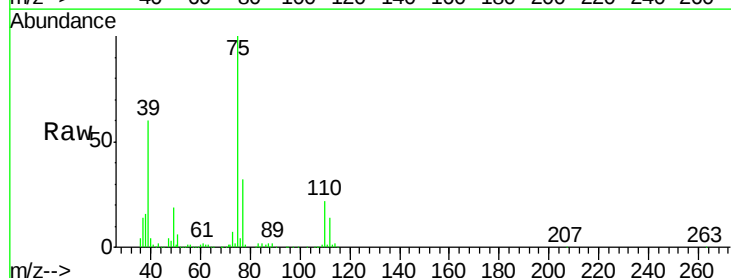
Tgt Ion: 75 Resp: 366578

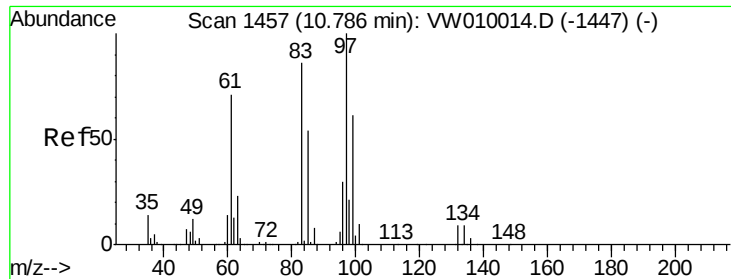
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 59.7 47.8 71.6





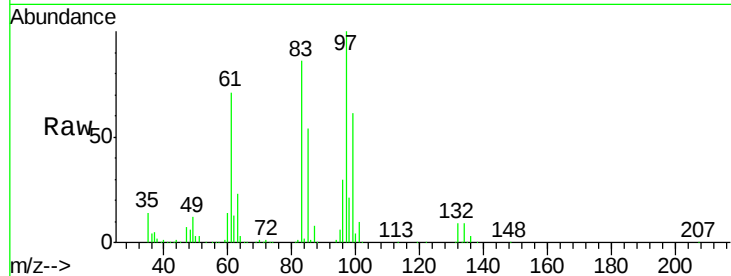
#55
 1,1,2-Trichloroethane
 Concen: 49.331 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

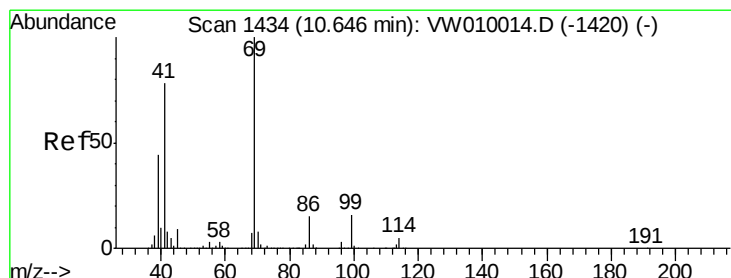
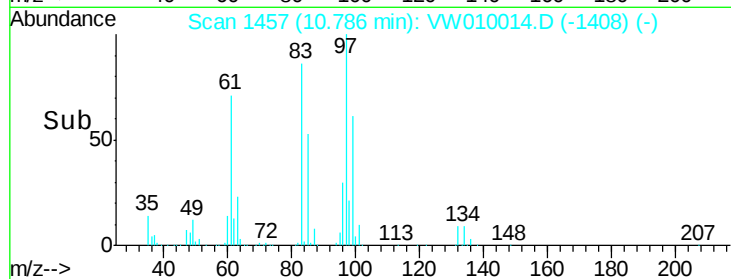
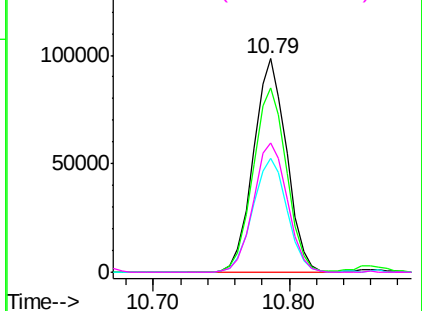
Tot Ion:	97	Resp:	168215
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	53.6	42.9	64.3
99	60.7	48.6	72.8

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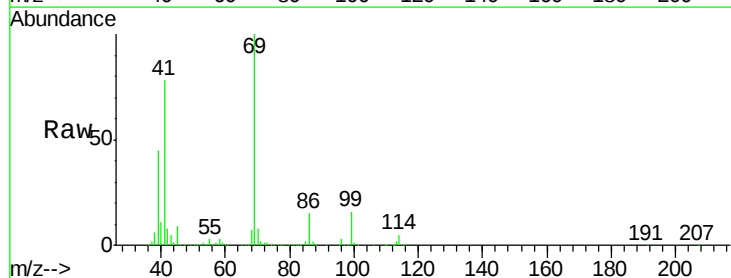


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

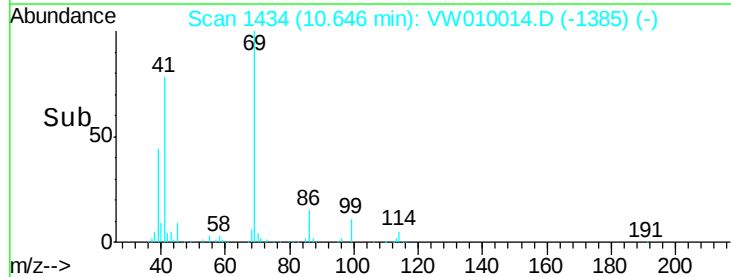
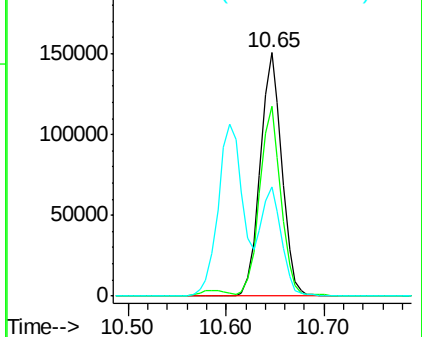


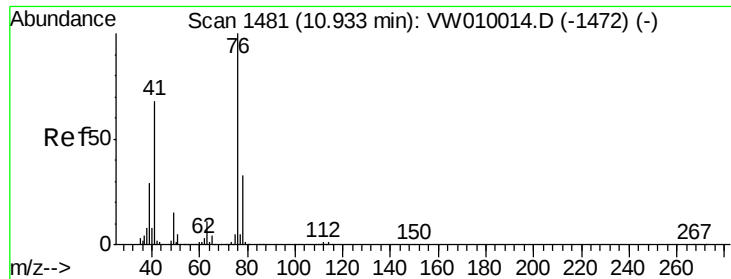
#56
 Ethyl methacrylate
 Concen: 54.488 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion:	69	Resp:	230983
Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.0	91.6
39	42.2	33.8	50.6



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





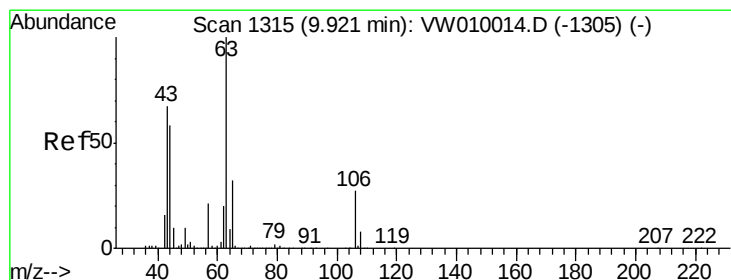
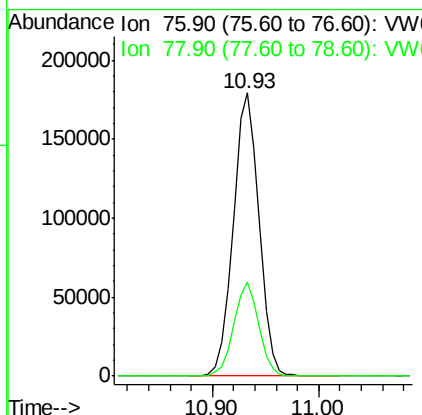
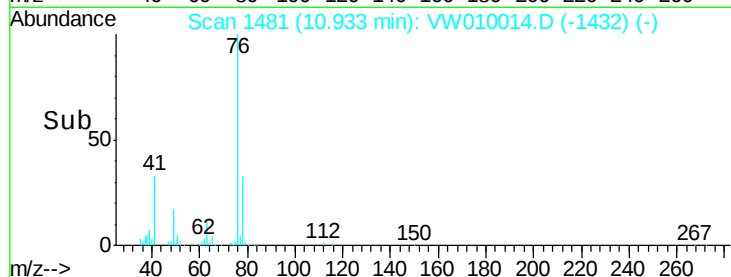
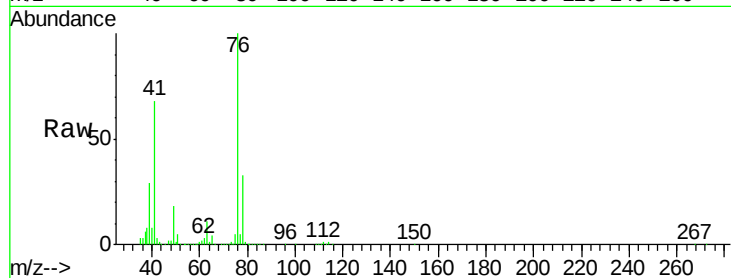
#57
 1,3-Dichloropropane
 Concen: 49.555 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 302871
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

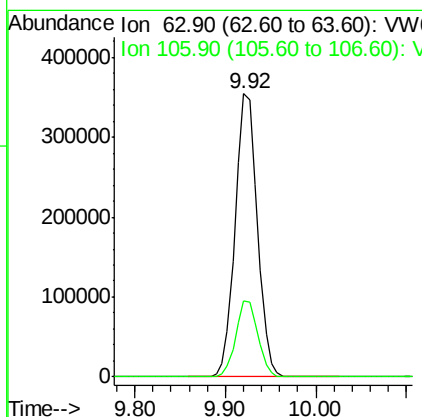
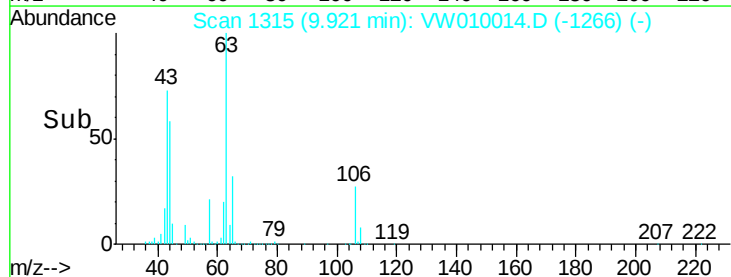
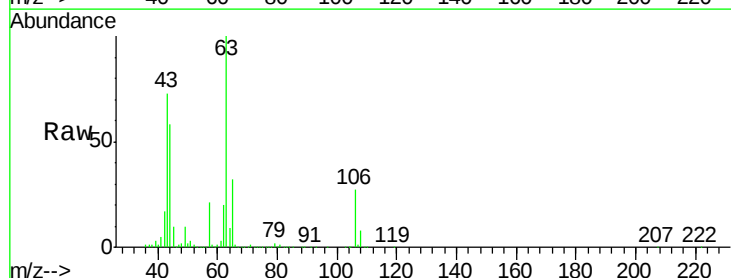
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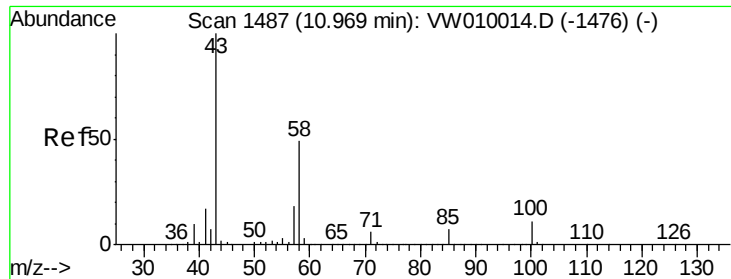
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#58
 2-Chloroethyl Vinyl ether
 Concen: 295.711 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion: 63 Resp: 602531
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.4 32.0





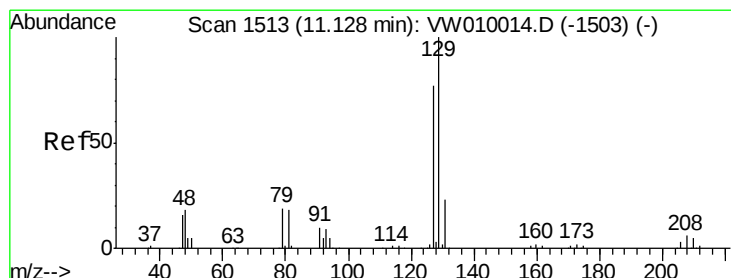
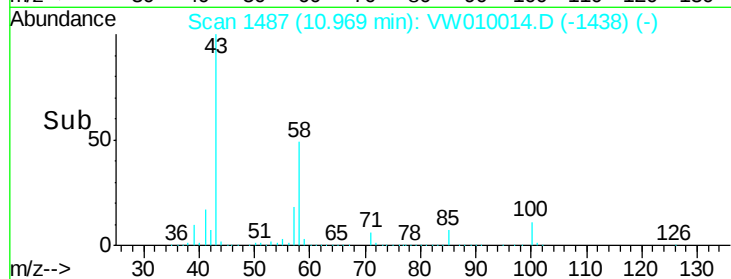
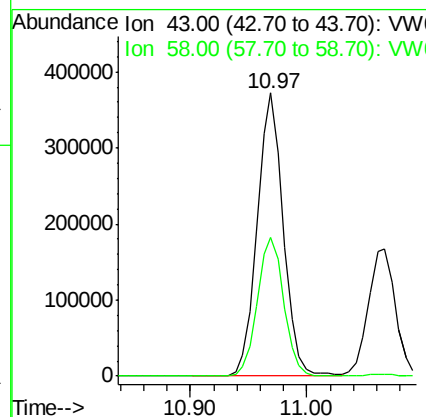
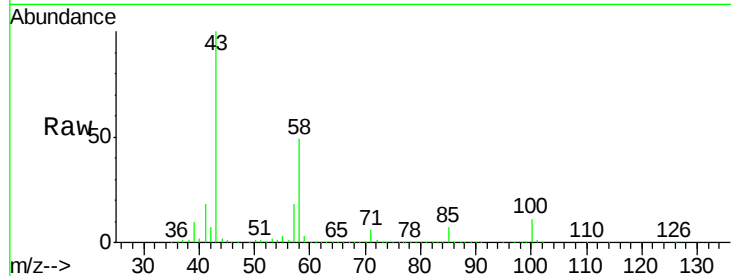
#59
2-Hexanone
Concen: 255.702 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 582220
Ion Ratio Lower Upper
43 100
58 49.8 24.9 74.7

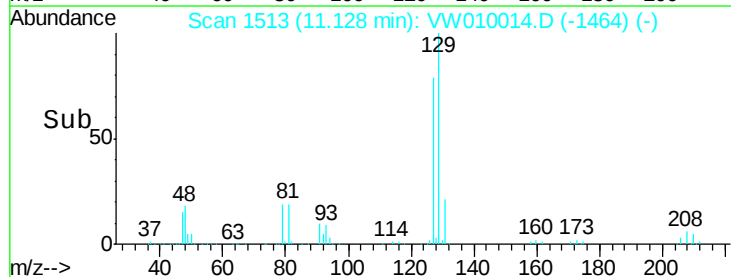
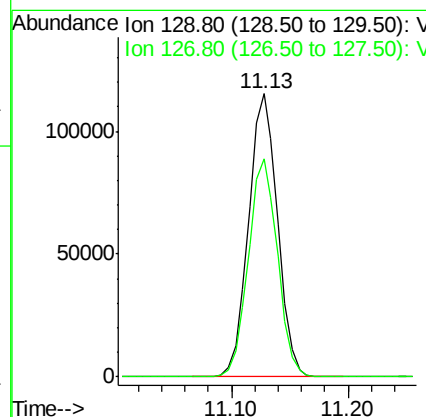
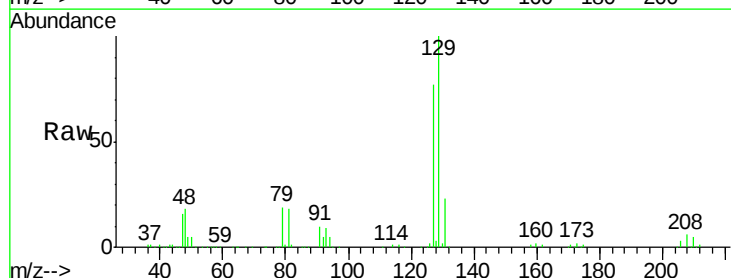
Manual Integrations
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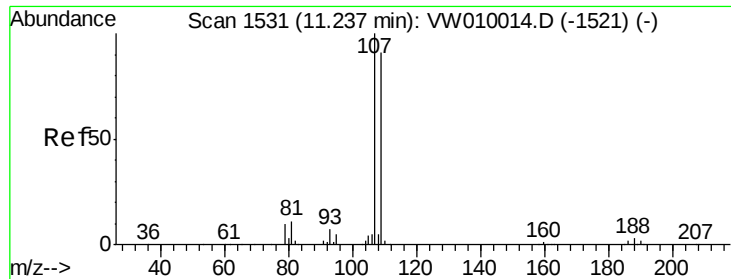
MMDadoda
4/18/2019 11:40:12 AM



#60
Dibromochloromethane
Concen: 50.746 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 129 Resp: 199998
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





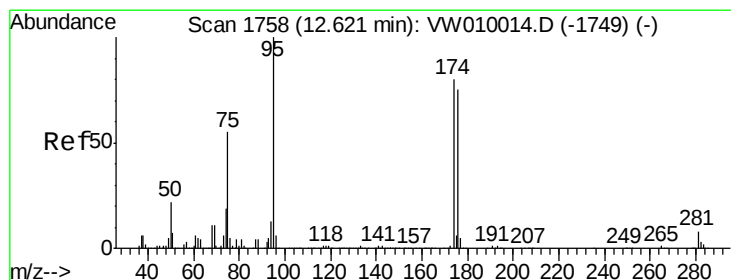
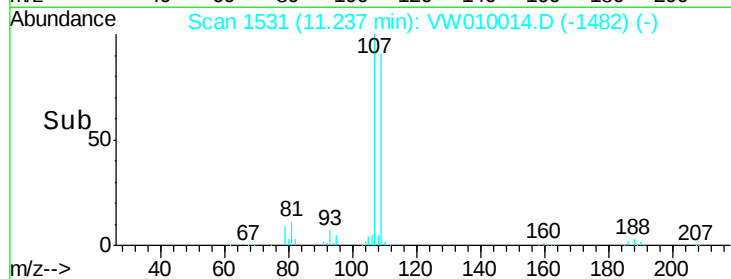
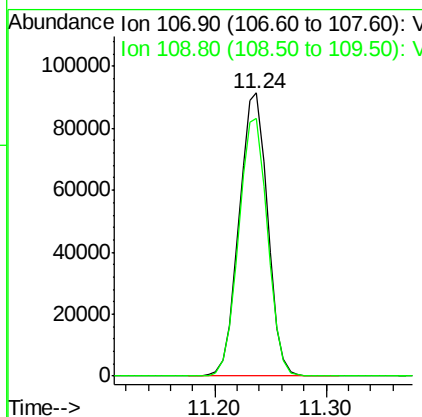
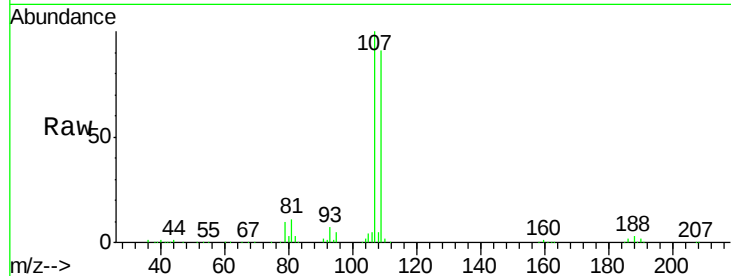
#61
 1,2-Dibromoethane
 Concen: 49.971 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	73.6	110.4

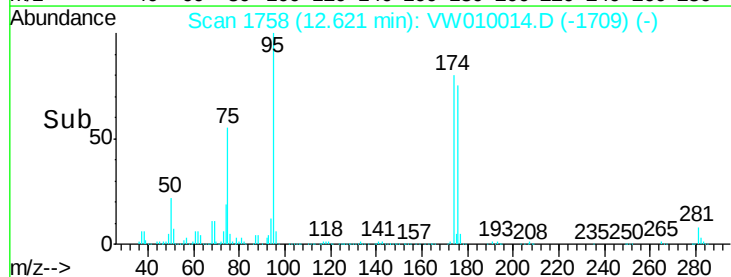
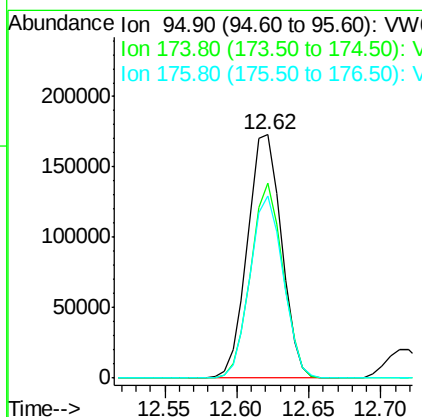
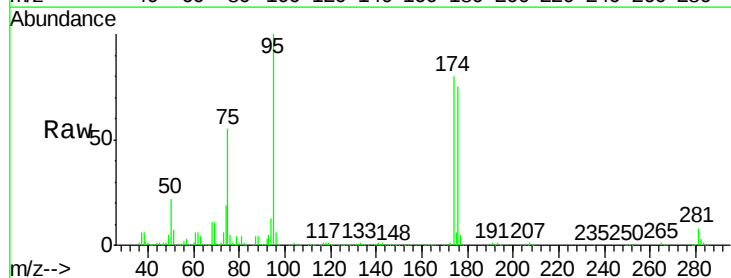
Manual Integrations
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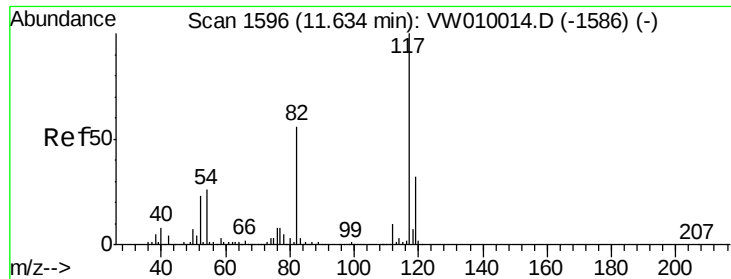
MMDadoda
 4/18/2019 11:40:12 AM



#62
 4-Bromofluorobenzene
 Concen: 50.979 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	151.4
176	73.1	0.0	146.2





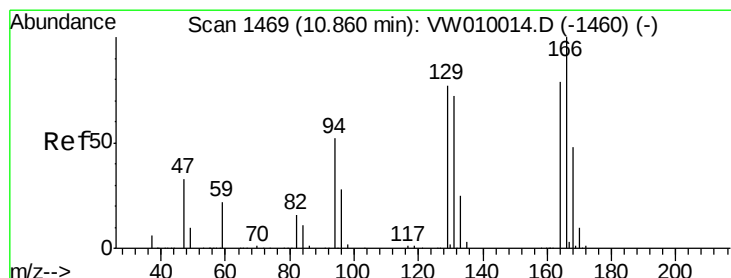
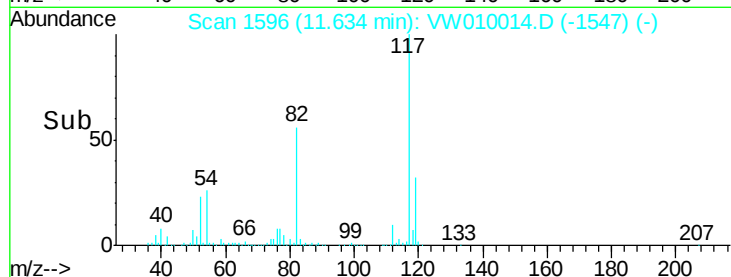
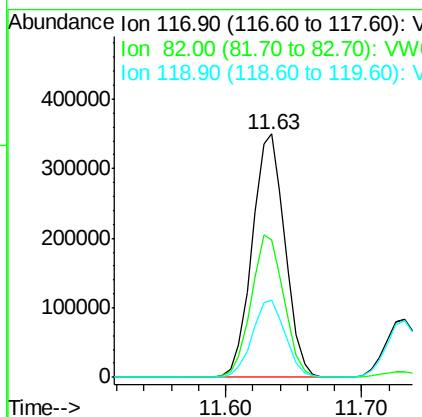
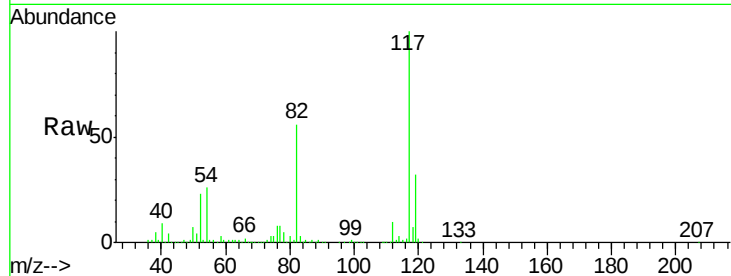
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	592170		
82	56.5		45.2	67.8
119	31.8		25.4	38.2

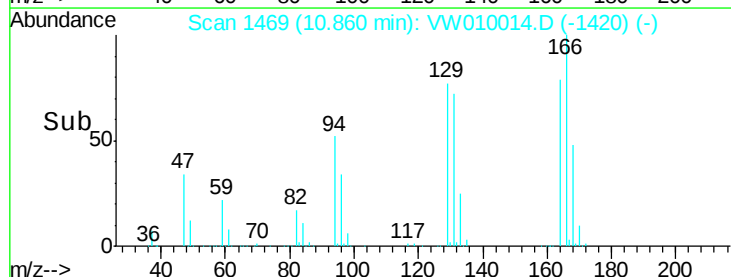
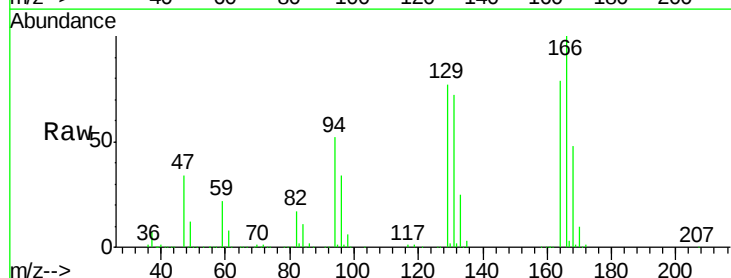
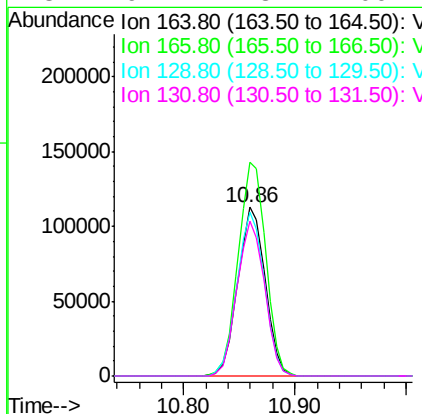
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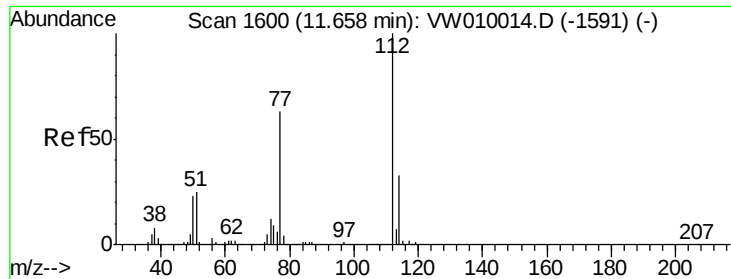
MMDadoda
4/18/2019 11:40:12 AM



#64
Tetrachloroethene
Concen: 49.851 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191636		
166	126.5		101.2	151.8
129	97.2		77.8	116.6
131	91.4		73.1	109.7





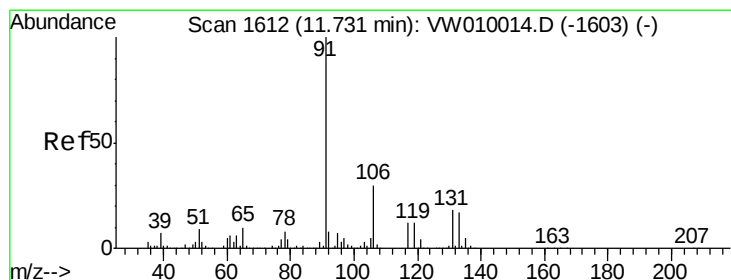
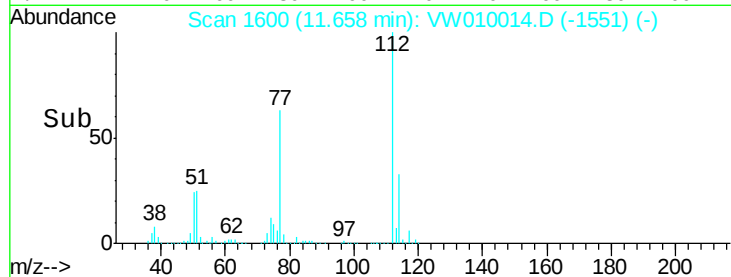
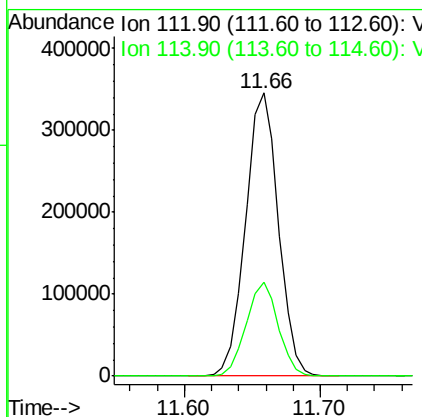
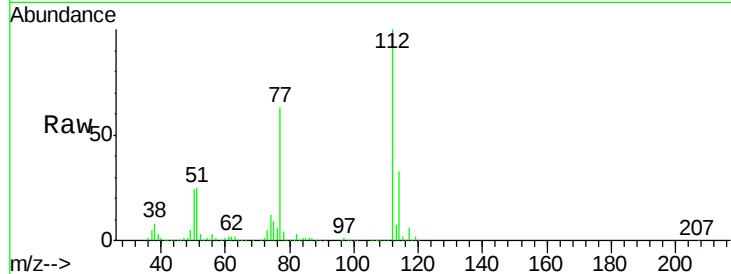
#65
Chlorobenzene
Concen: 48.276 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.5	39.7

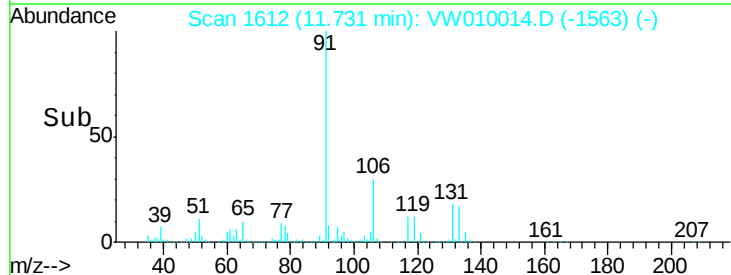
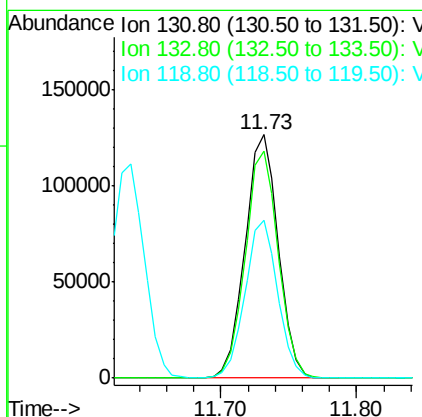
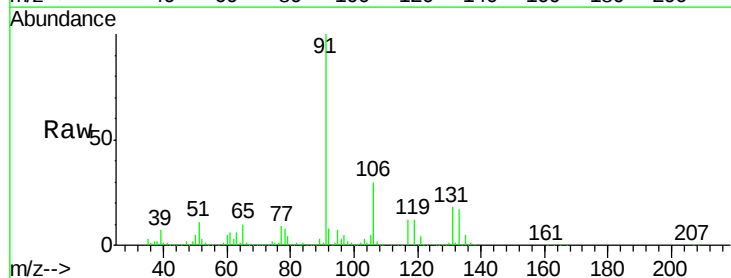
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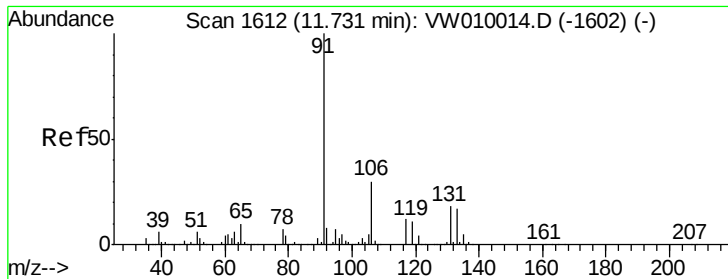
MMDadoda
4/18/2019 11:40:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.735 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.0	46.5	139.5
119	63.7	31.9	95.5





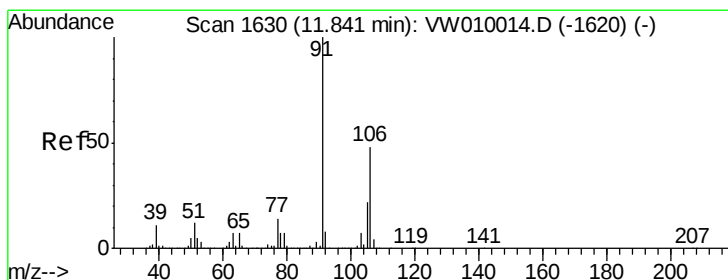
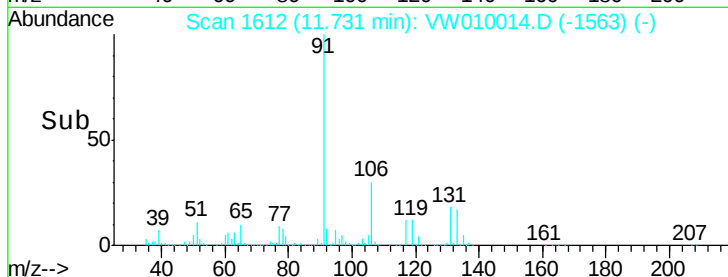
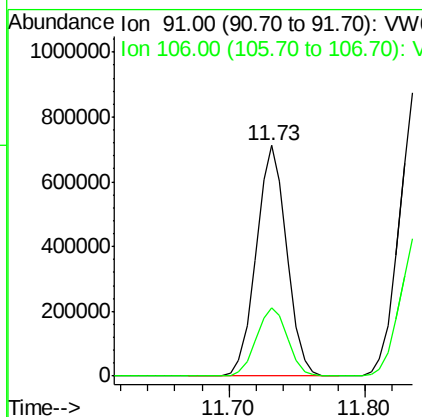
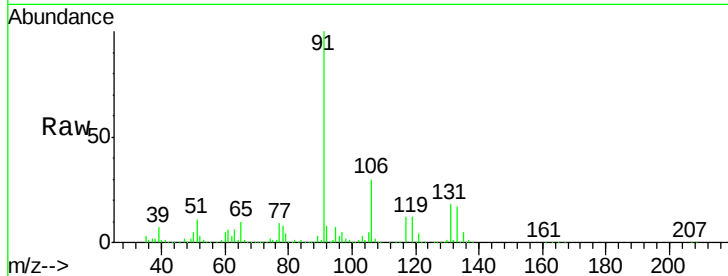
#67
Ethyl Benzene
Concen: 51.820 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1120581
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

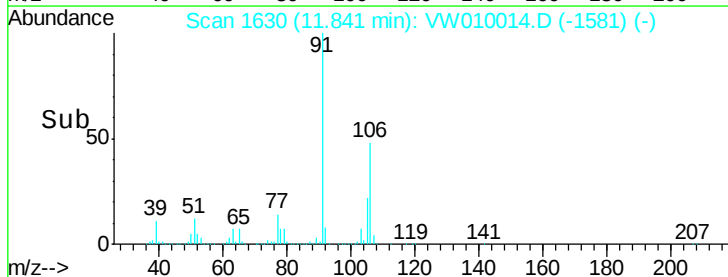
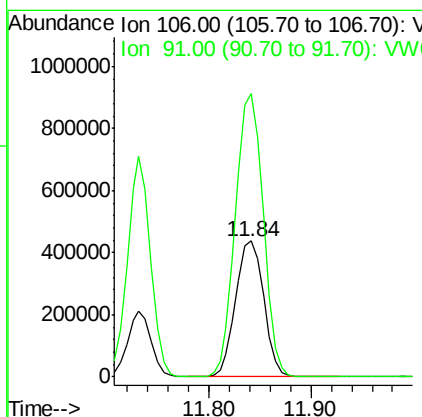
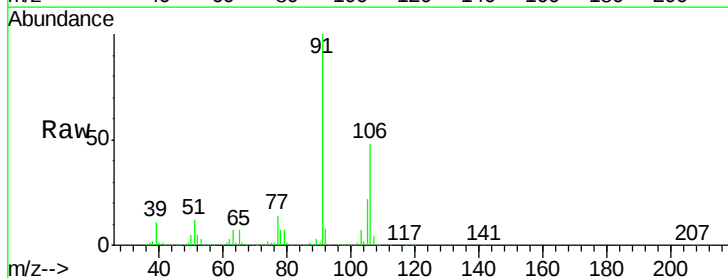
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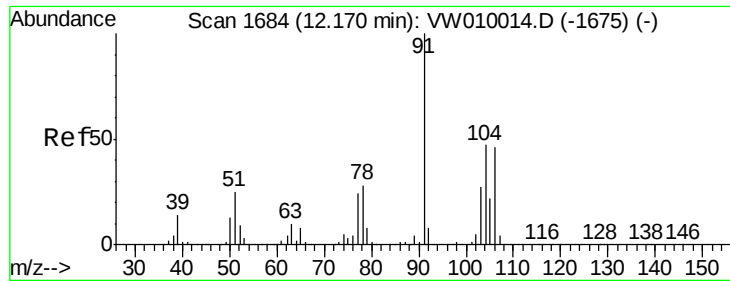
MMDadoda
4/18/2019 11:40:12 AM



#68
m/p-Xylenes
Concen: 103.303 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 106 Resp: 835024
Ion Ratio Lower Upper
106 100
91 206.3 165.0 247.6





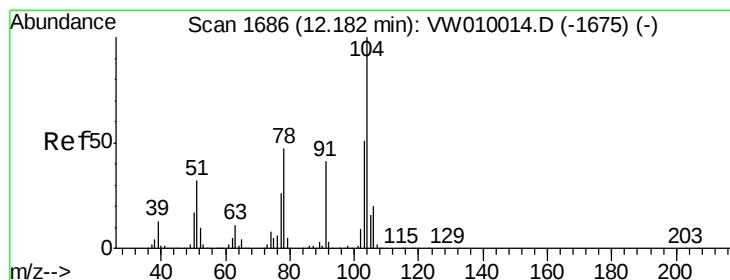
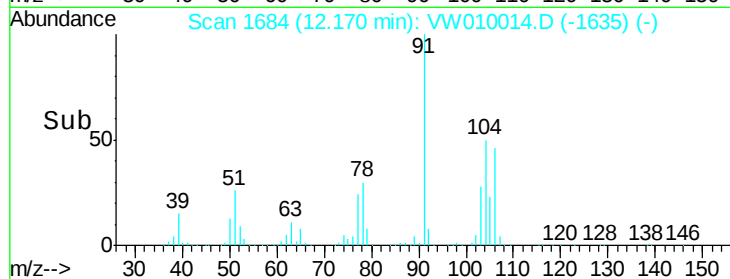
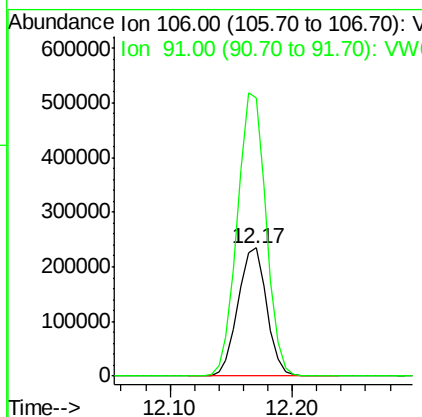
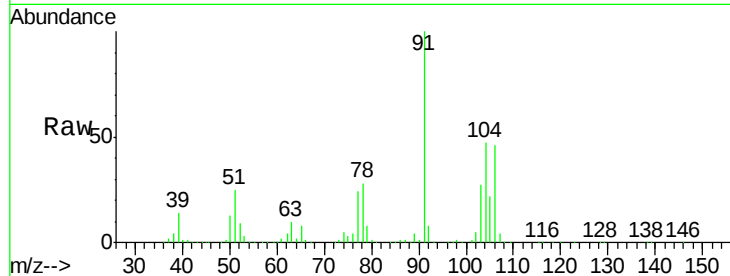
#69
o-Xylene
Concen: 51.672 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 380310
Ion Ratio Lower Upper
106 100
91 220.9 110.5 331.4

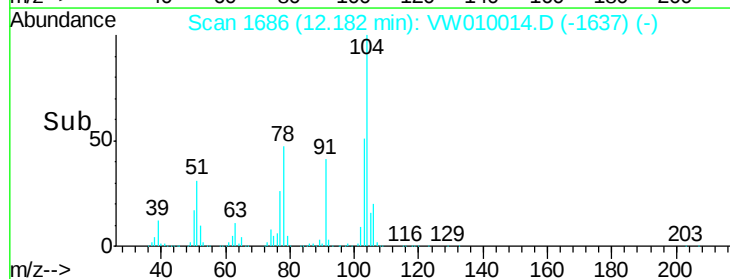
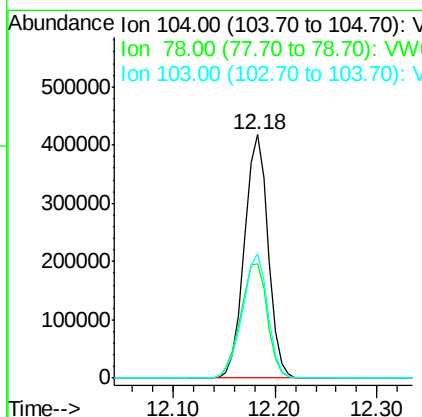
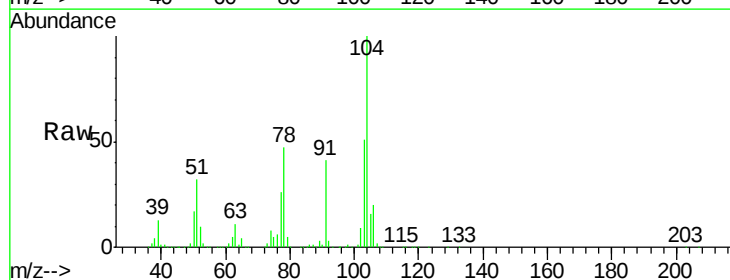
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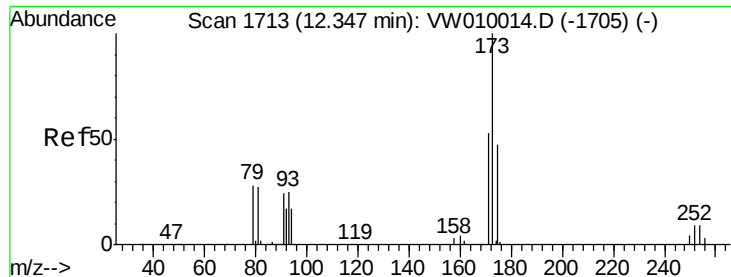
MMDadoda
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#70
Styrene
Concen: 53.259 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion:104 Resp: 675871
Ion Ratio Lower Upper
104 100
78 53.1 42.5 63.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 50.169 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 114982

Ion Ratio Lower Upper

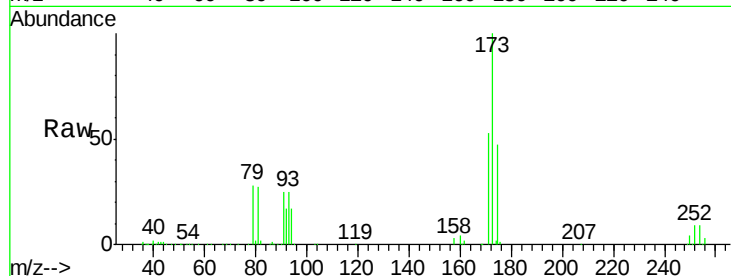
173 100

175 47.6 23.8 71.4

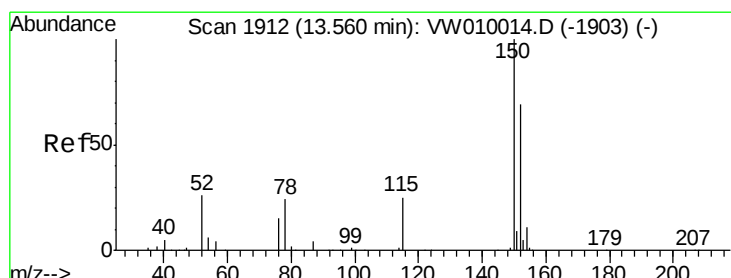
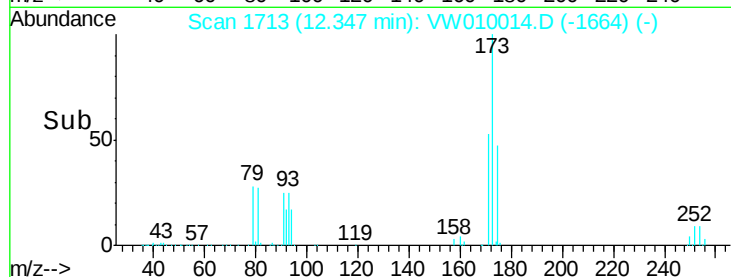
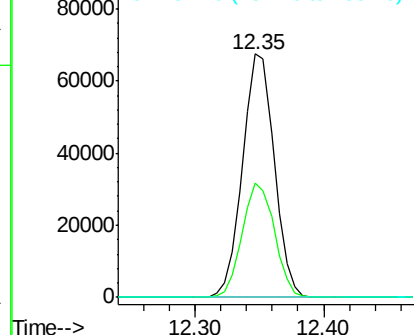
254 0.1 0.1 0.1#

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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: VW010014.D

Acq: 17 Apr 2019 12:17

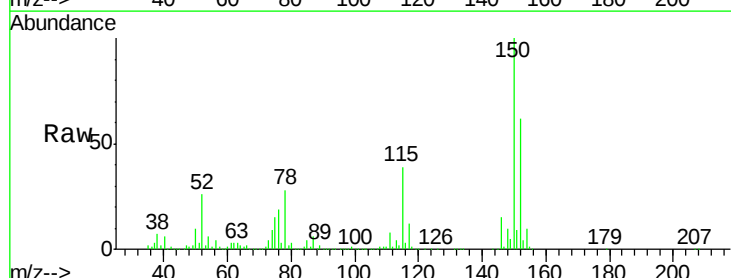
Tgt Ion:152 Resp: 300380

Ion Ratio Lower Upper

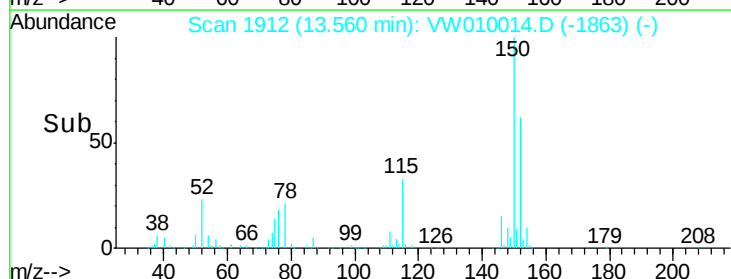
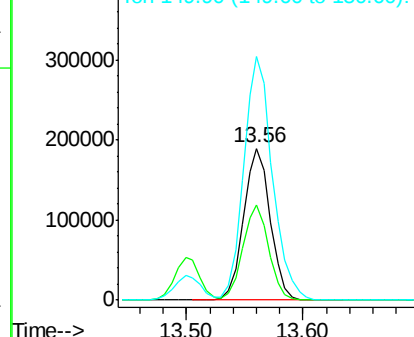
152 100

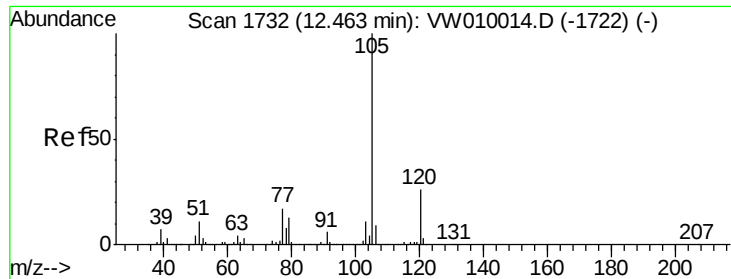
115 60.8 30.4 91.2

150 173.5 0.0 347.0



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





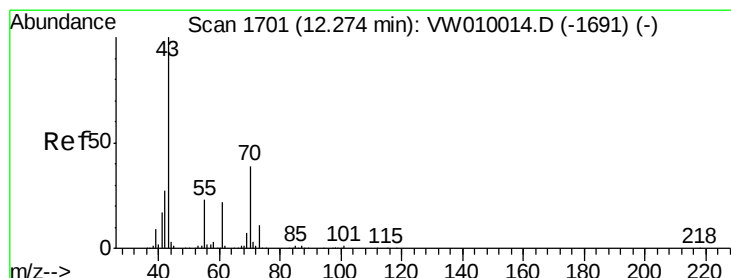
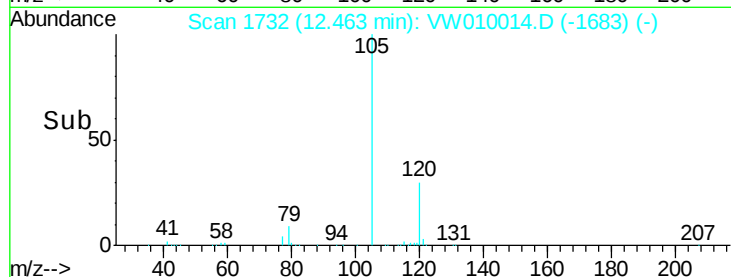
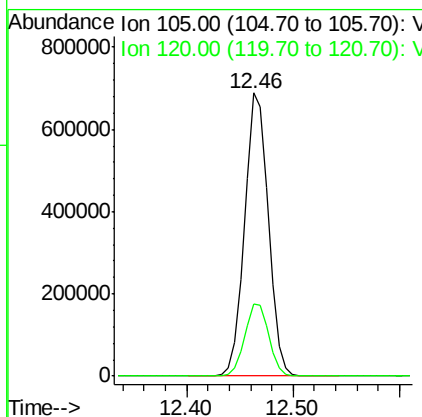
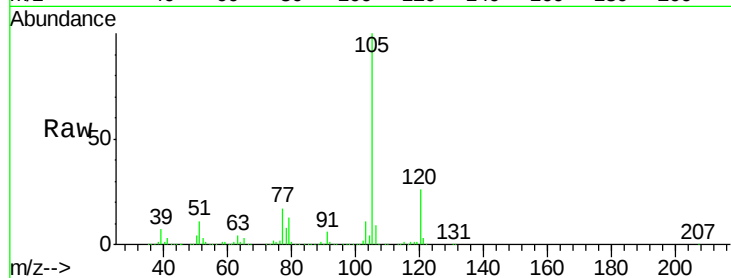
#73
Isopropylbenzene
Concen: 51.450 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 105 Resp: 1075612
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1

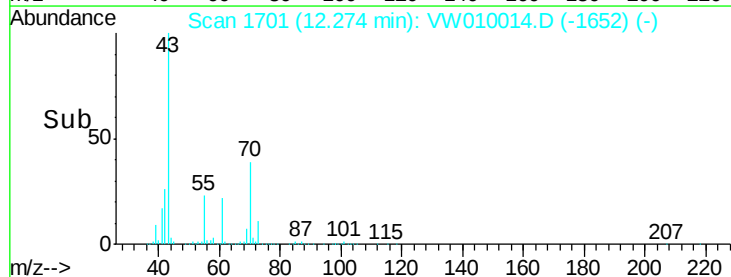
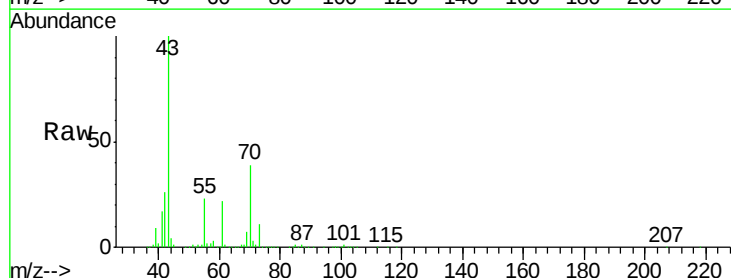
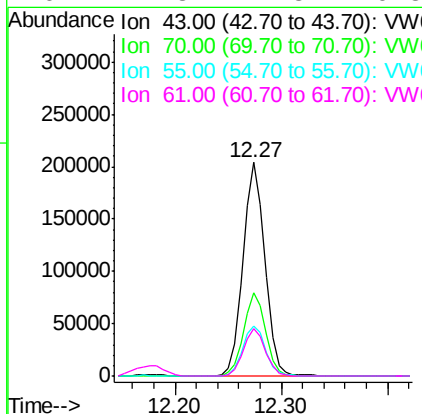
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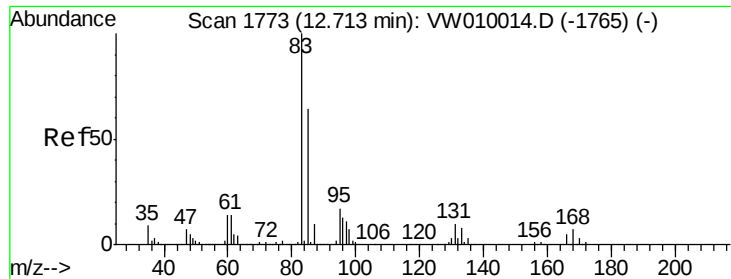
MMDadoda
4/18/2019 11:40:12 AM



#74
N-ethyl acetate
Concen: 50.901 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion: 43 Resp: 294691
Ion Ratio Lower Upper
43 100
70 39.1 31.3 46.9
55 25.0 20.0 30.0
61 22.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.573 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 200622

Ion Ratio Lower Upper

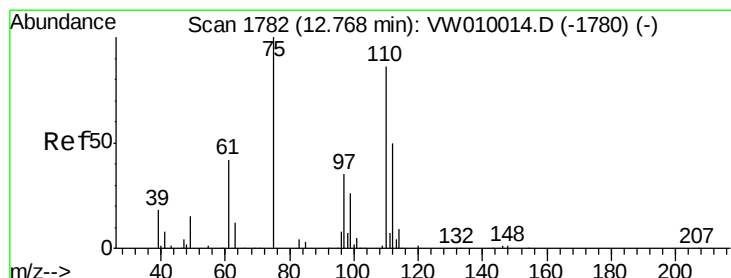
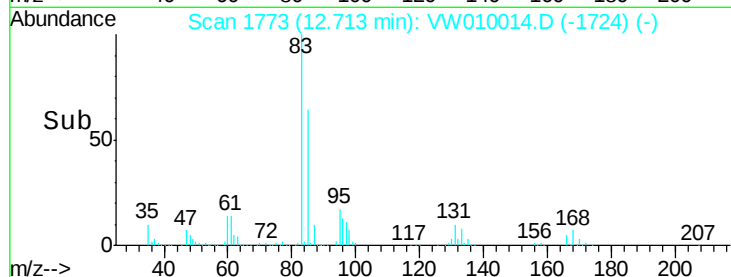
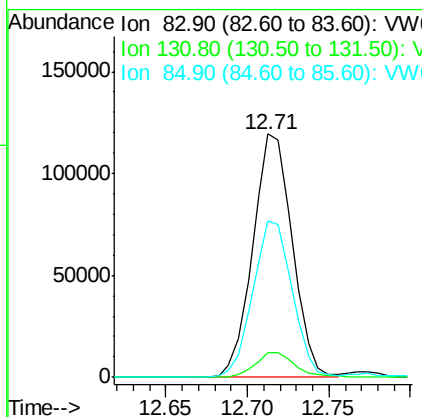
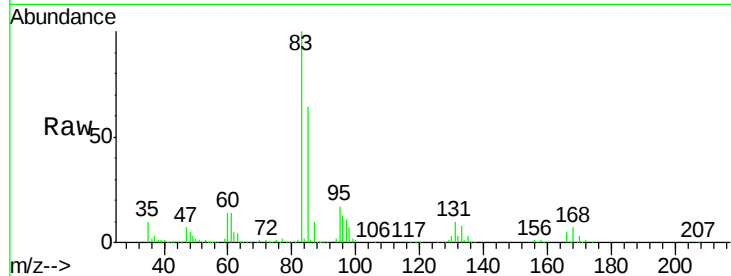
83 100

131 10.5 5.3 15.8

85 64.1 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 40.314 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010014.D

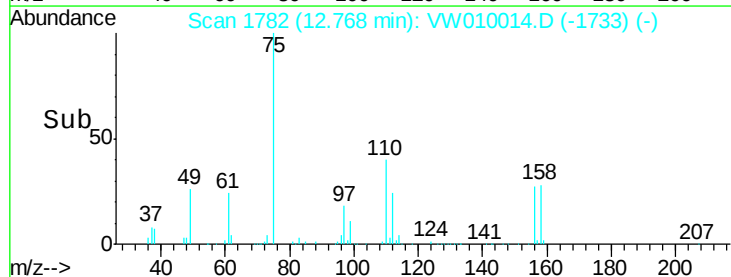
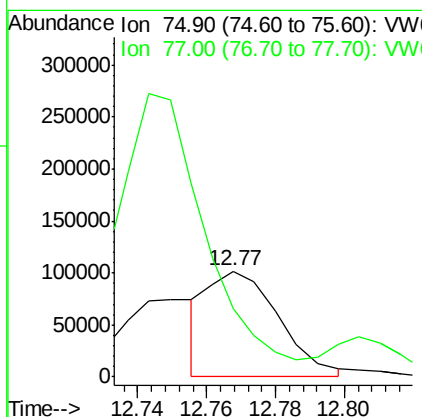
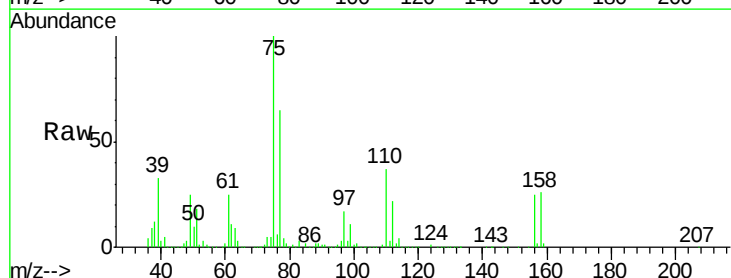
Acq: 17 Apr 2019 12:17

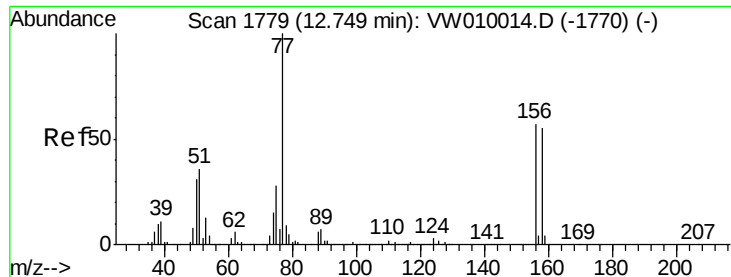
Tgt Ion: 75 Resp: 145170

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.283 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 241762

Ion Ratio Lower Upper

156 100

77 204.9 102.5 307.4

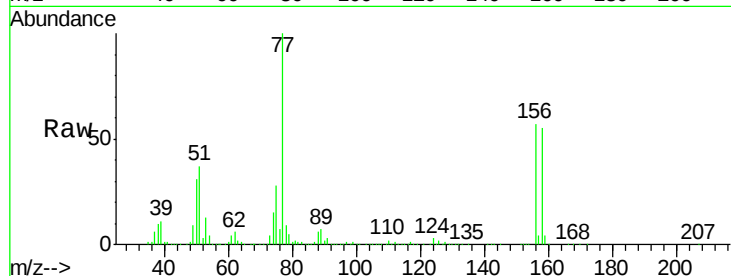
158 97.6 48.8 146.4

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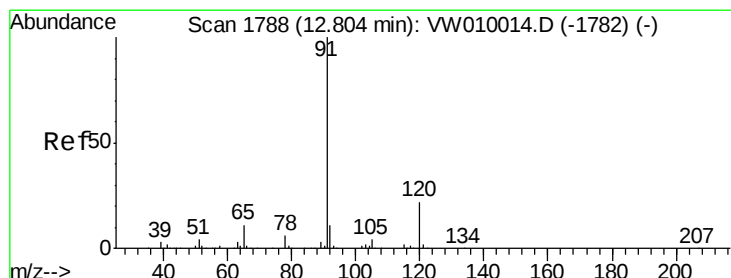
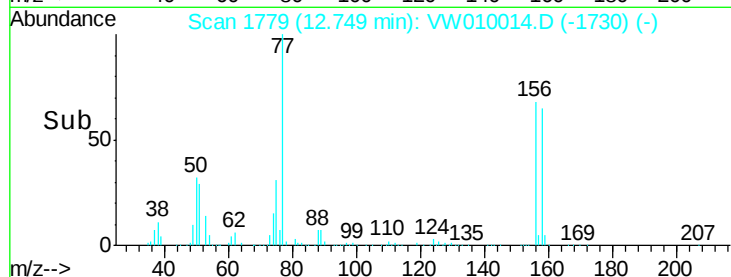
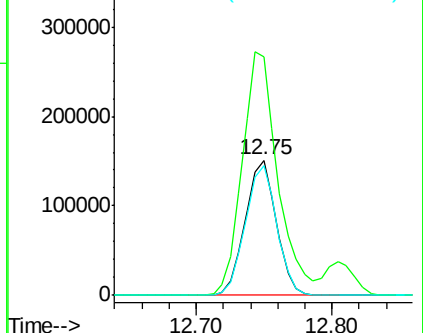
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.816 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010014.D

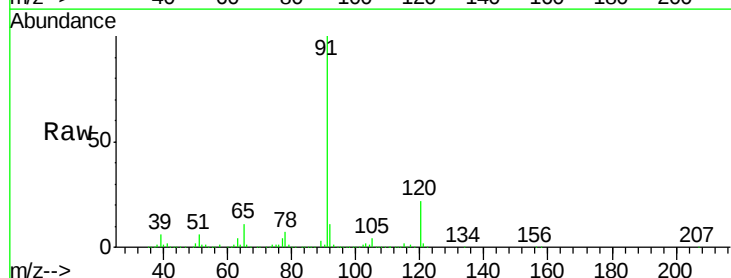
Acq: 17 Apr 2019 12:17

Tgt Ion: 91 Resp: 1342560

Ion Ratio Lower Upper

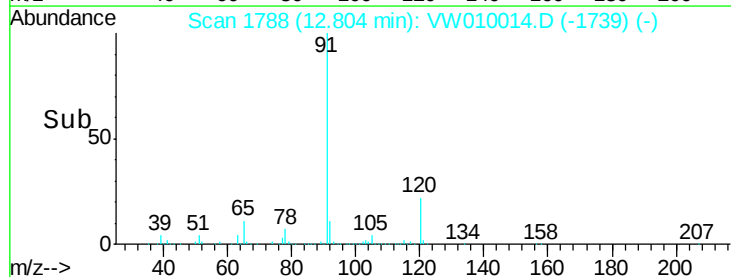
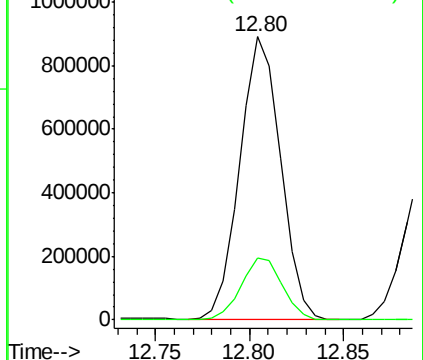
91 100

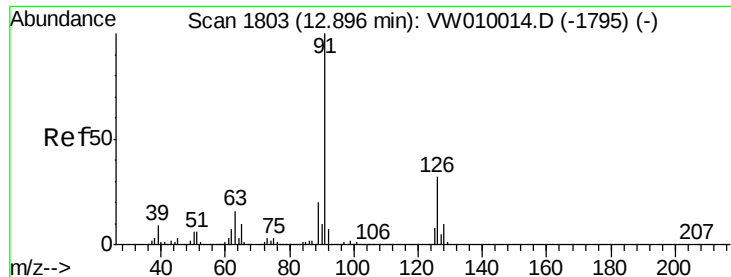
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.352 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 750329

Ion Ratio Lower Upper

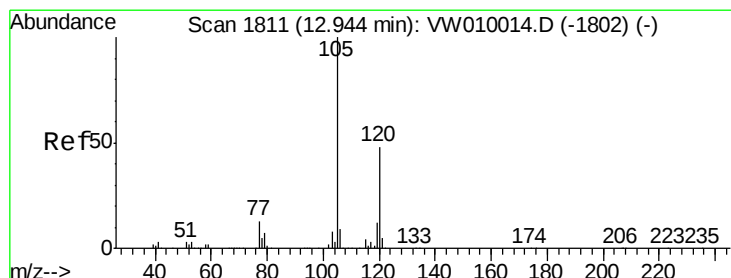
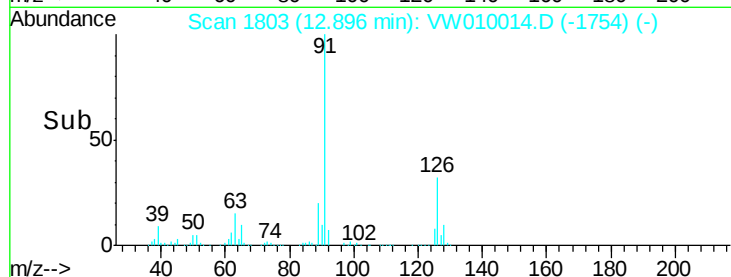
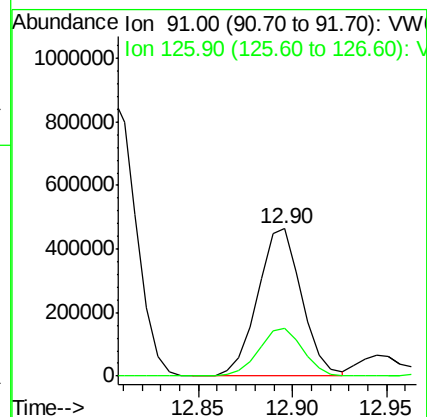
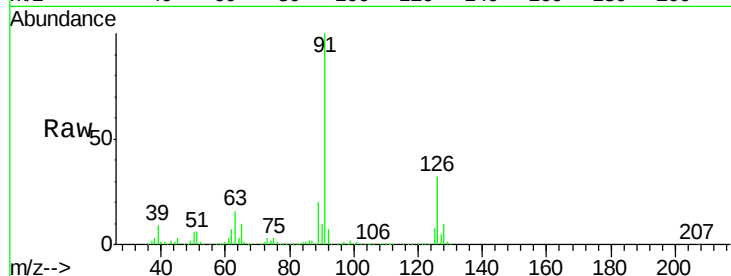
91 100

126 32.5 16.3 48.8

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#80

1,3,5-Trimethylbenzene

Concen: 52.073 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010014.D

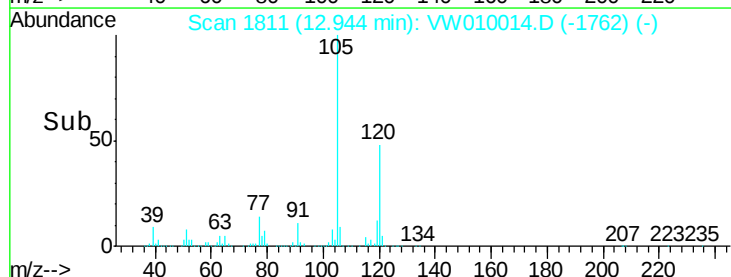
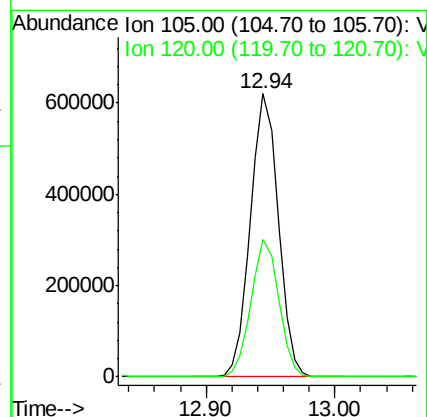
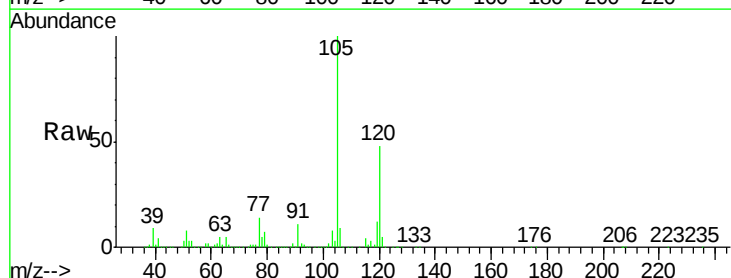
Acq: 17 Apr 2019 12:17

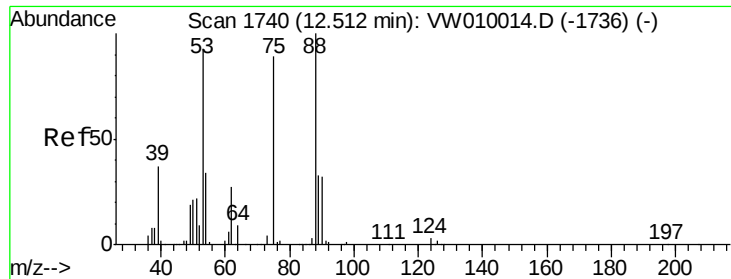
Tgt Ion: 105 Resp: 923029

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





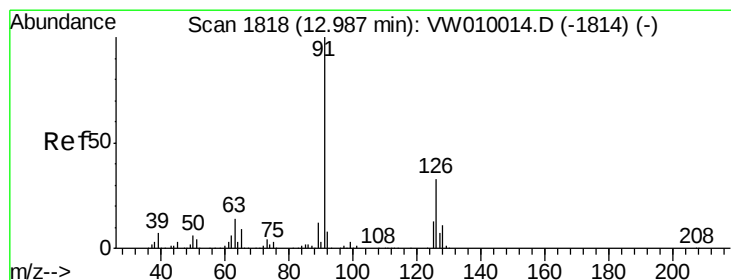
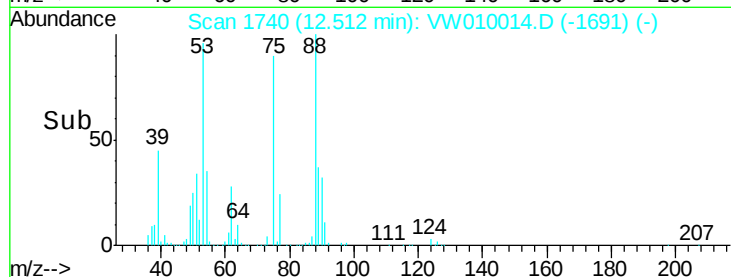
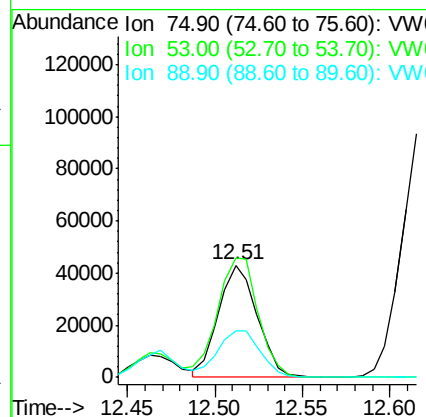
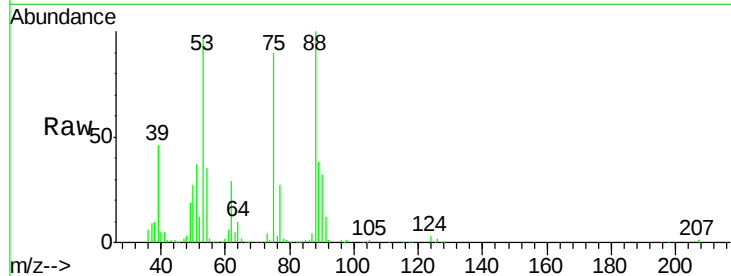
#81
trans-1,4-Dichloro-2-butene
Concen: 51.812 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.3	89.8	134.8
89	45.7	36.6	54.8

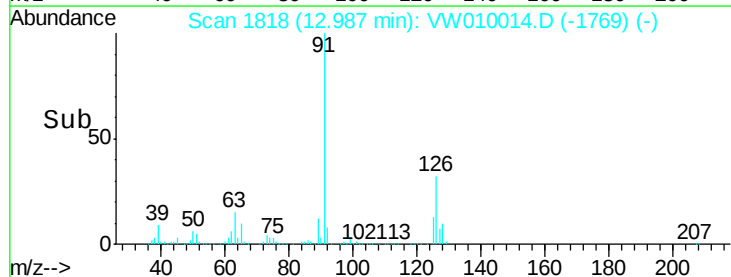
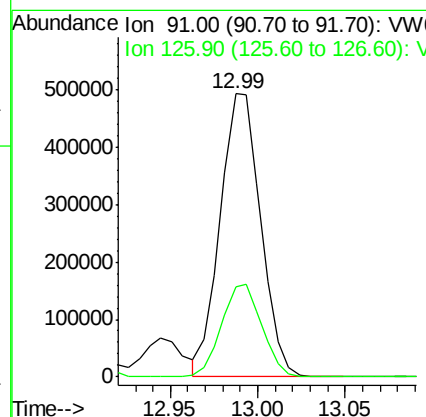
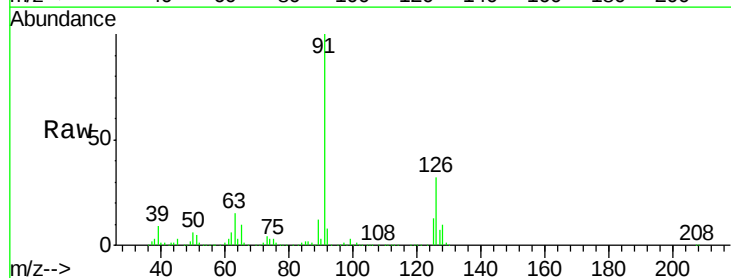
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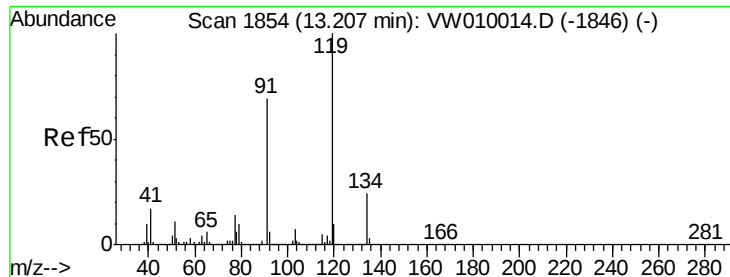
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#82
4-Chlorotoluene
Concen: 50.408 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1





#83

tert-Butylbenzene

Concen: 52.002 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:119 Resp: 763328
Ion Ratio Lower Upper

119 100

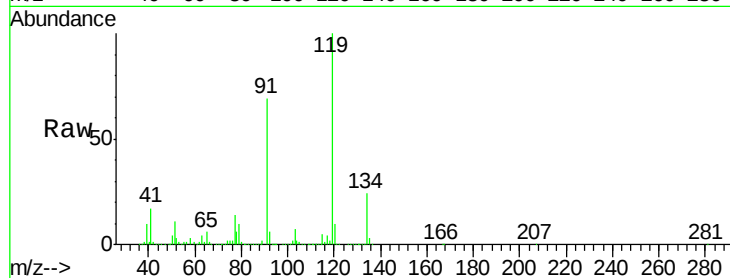
91 69.6 34.8 104.4

134 27.4 13.7 41.1

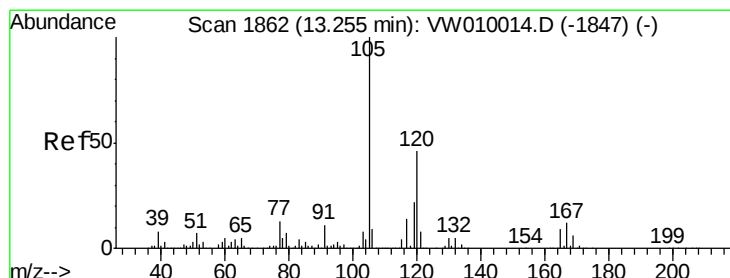
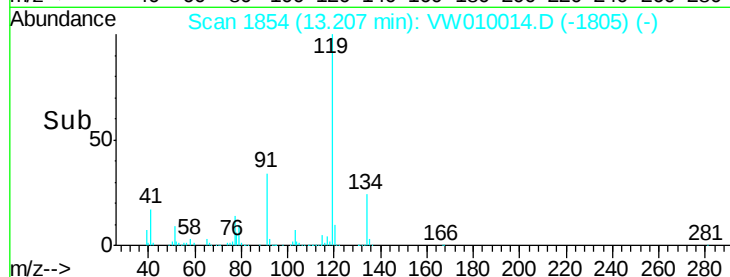
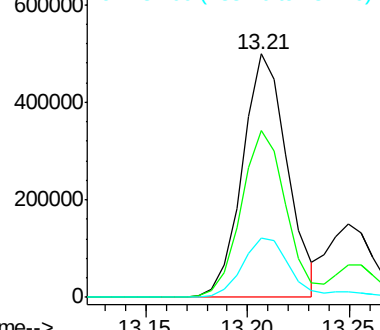
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.672 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

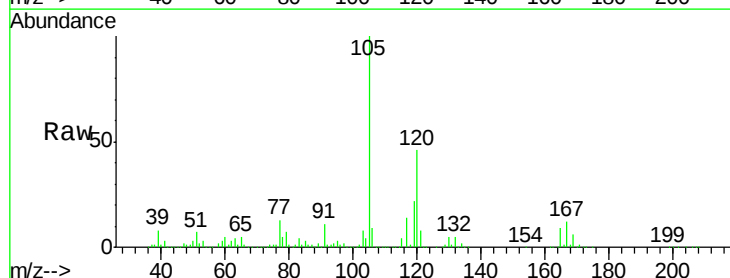
Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

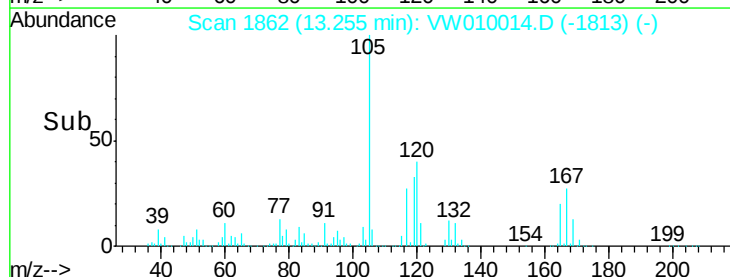
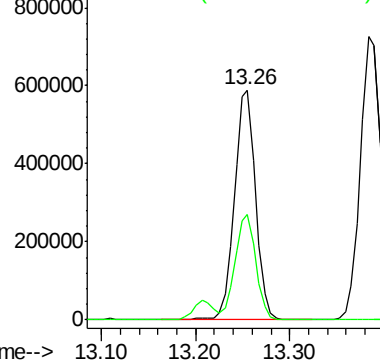
Tgt Ion:105 Resp: 928623
Ion Ratio Lower Upper

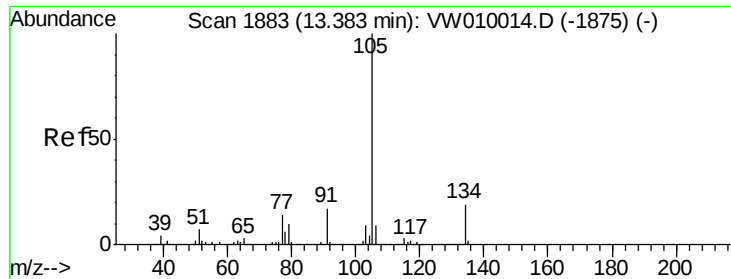
105 100

120 45.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.851 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1115470

Ion Ratio Lower Upper

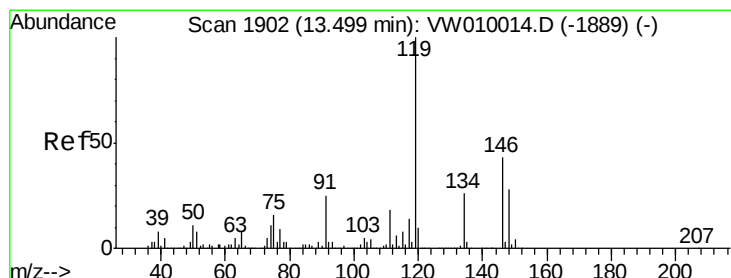
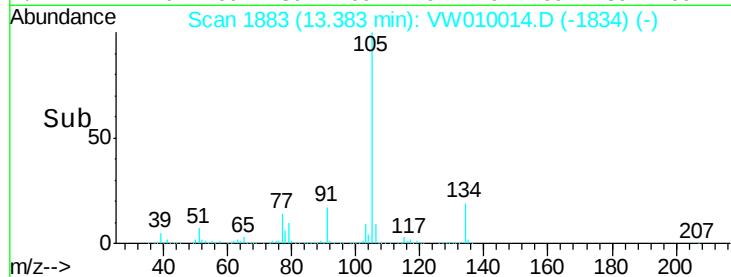
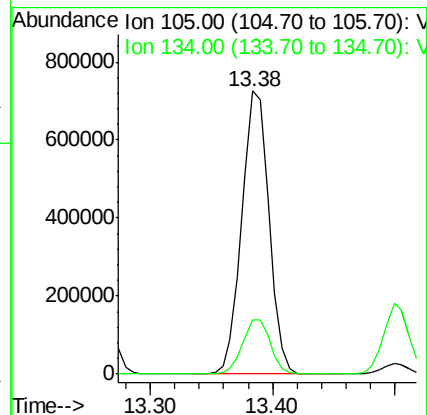
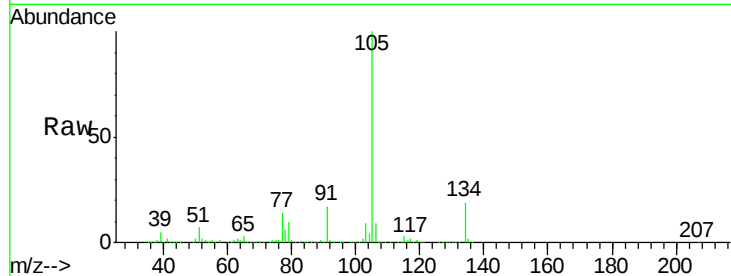
105 100

134 19.7 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 52.584 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

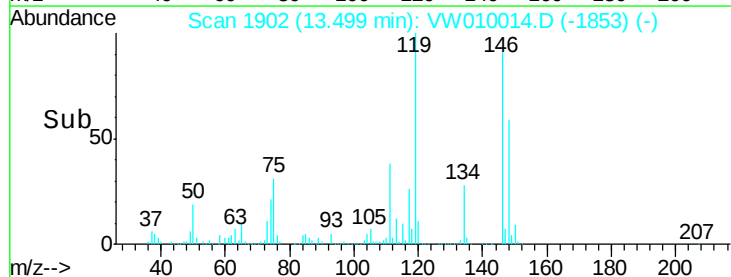
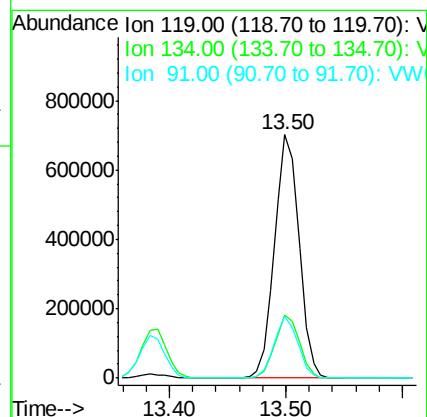
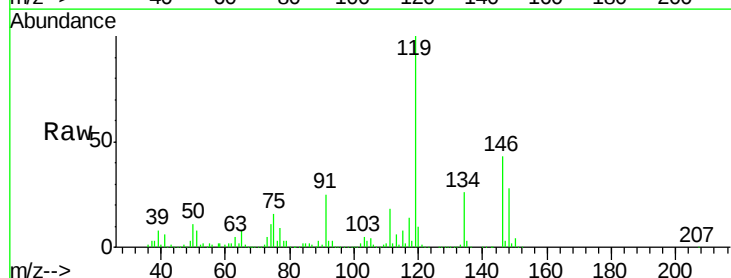
Tgt Ion:119 Resp: 1016682

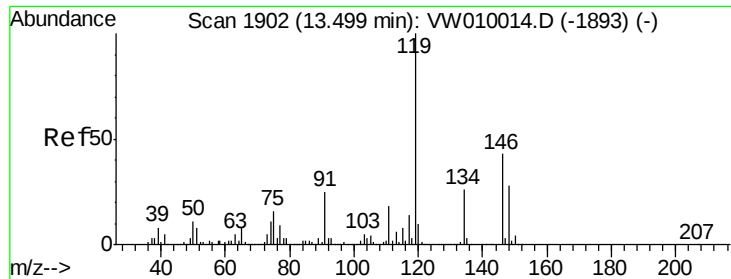
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 49.407 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

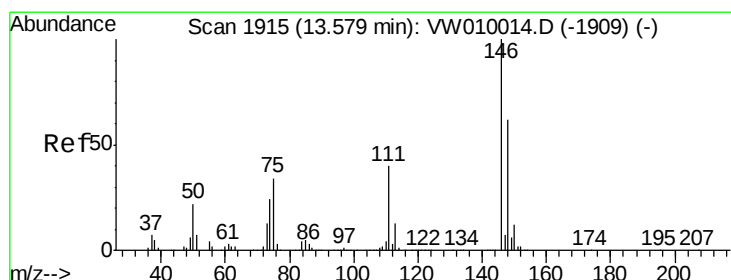
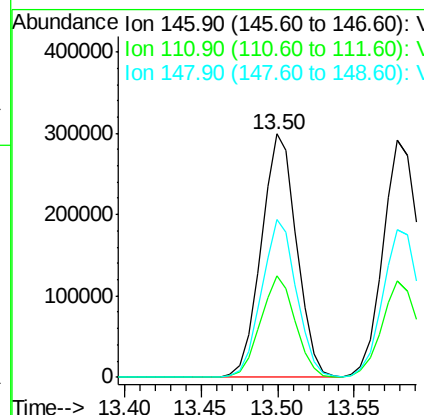
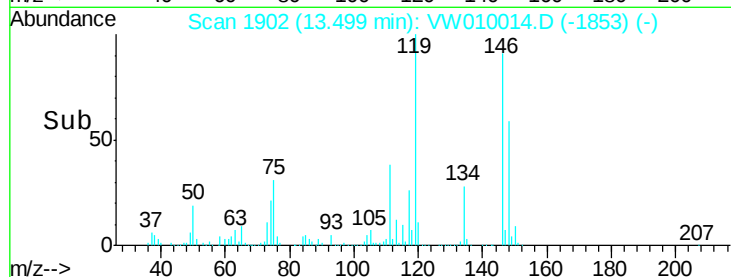
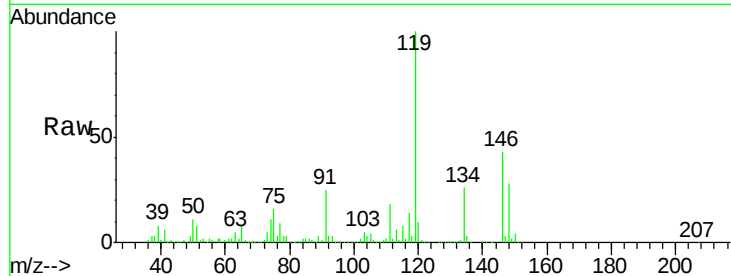
Instrument :
MSVOA_W

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	480196		
111	40.7	20.3	61.0	
148	64.1	32.0	96.2	

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#88

1,4-Dichlorobenzene

Concen: 48.625 ug/l

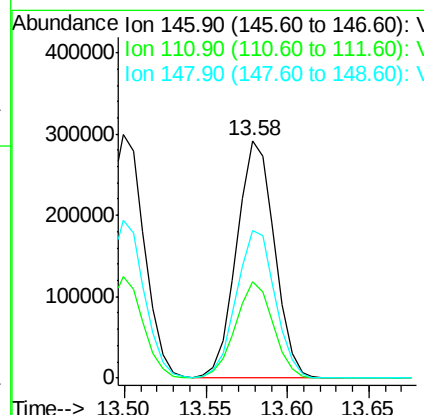
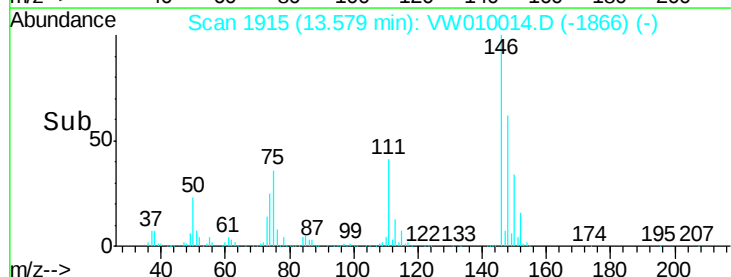
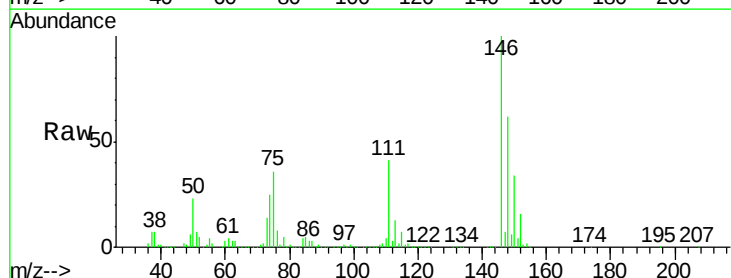
RT: 13.58 min Scan# 1915

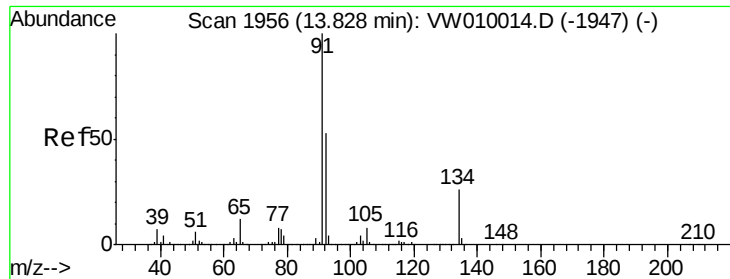
Delta R.T. 0.00 min

Lab File: VW010014.D

Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	471723		
111	40.2	20.1	60.3	
148	63.5	31.8	95.3	





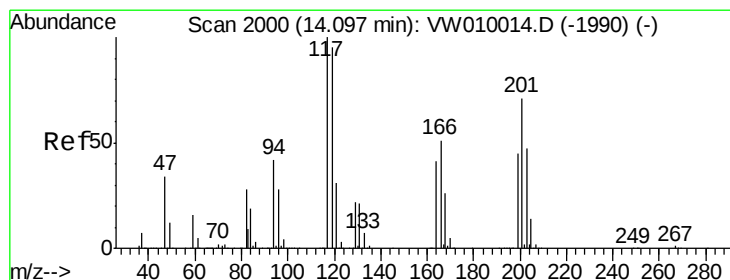
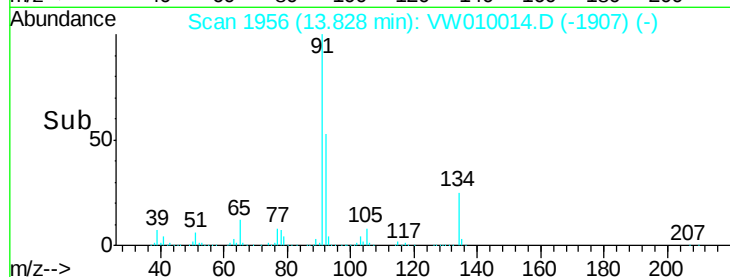
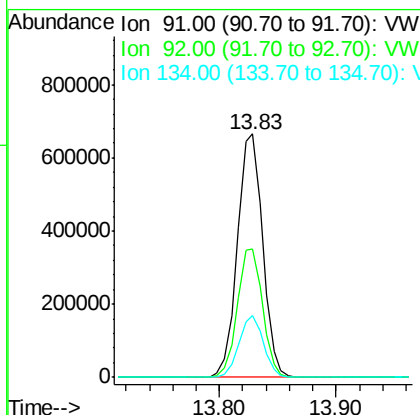
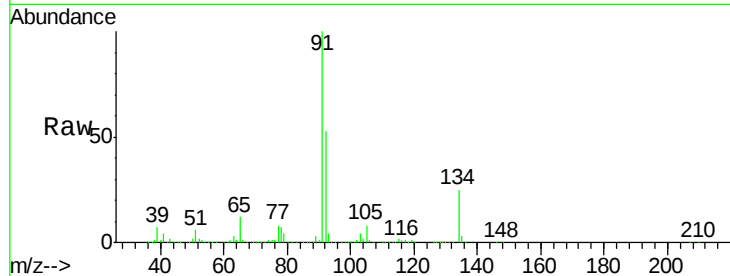
#89
n-Butylbenzene
Concen: 52.549 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	24.7	12.4	37.0

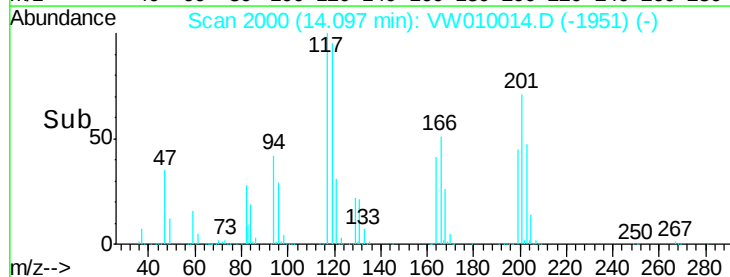
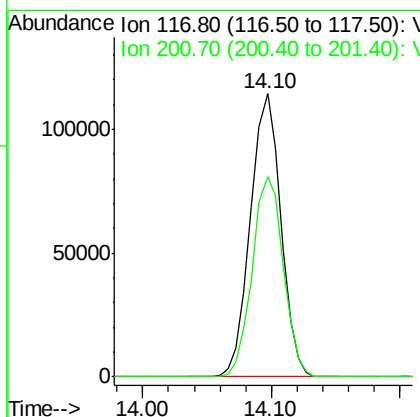
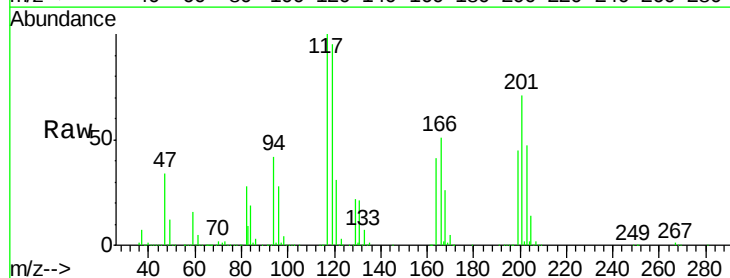
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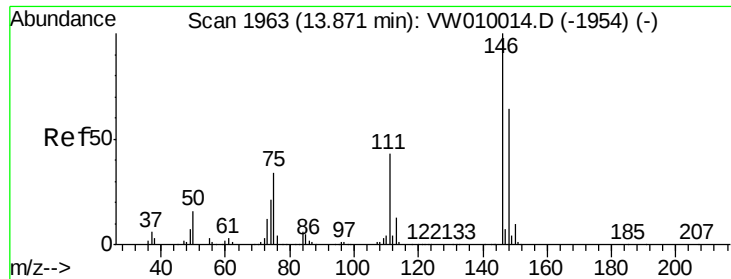
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#90
Hexachloroethane
Concen: 50.279 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	36.1	108.3





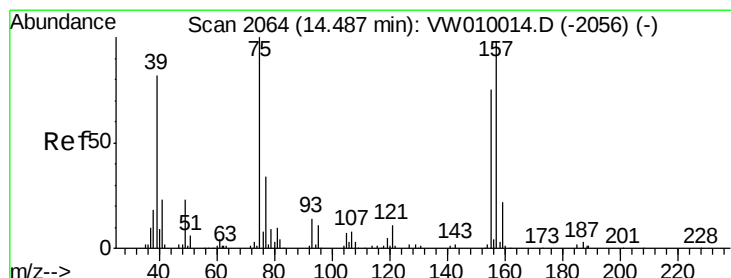
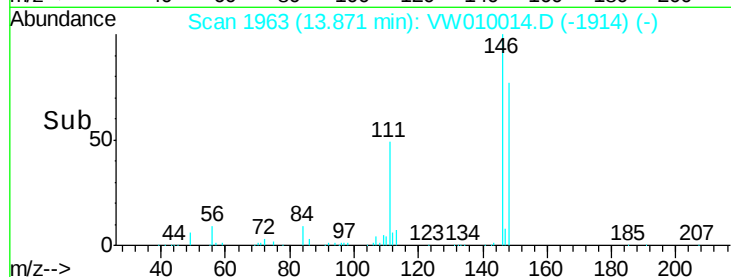
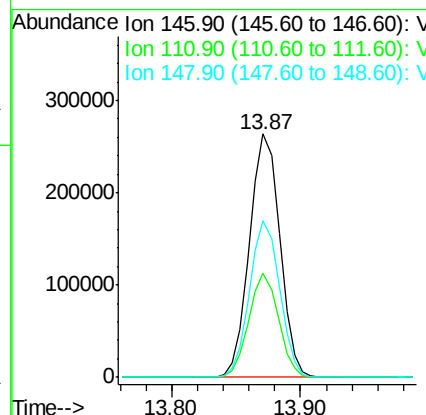
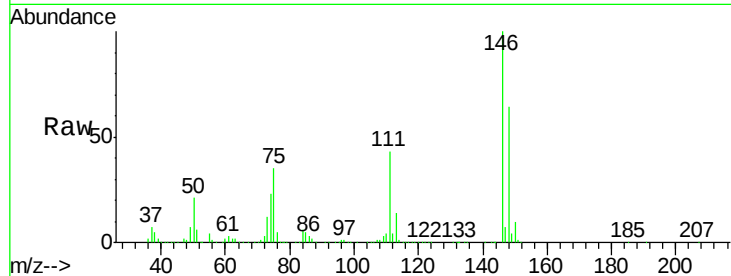
#91
 1,2-Dichlorobenzene
 Concen: 49.222 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	63.8	31.9	95.7

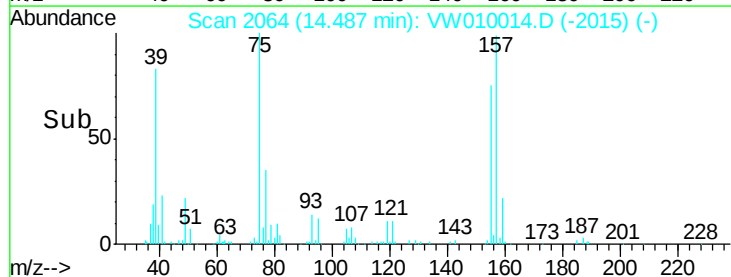
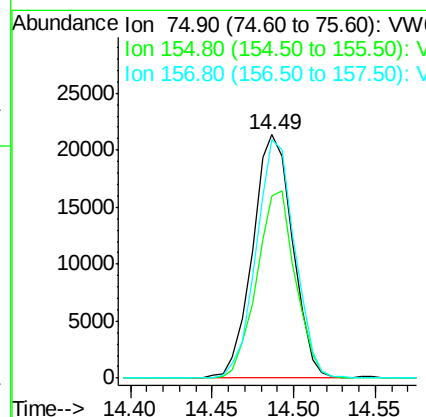
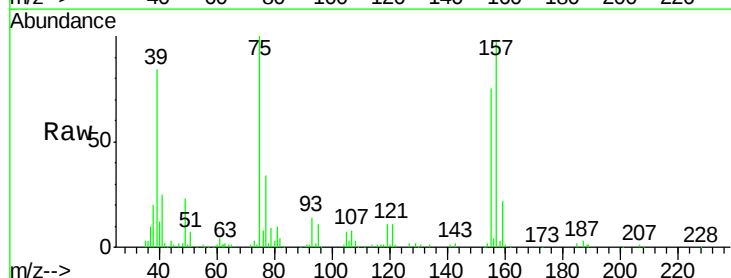
Manual Integrations
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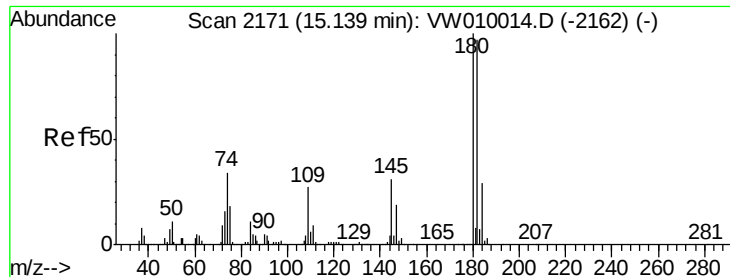
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.113 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	37.1	111.5
157	94.6	47.3	141.9





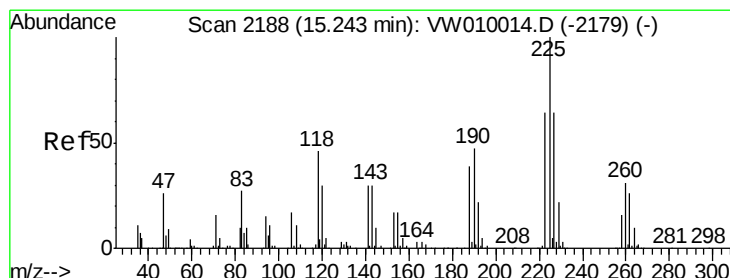
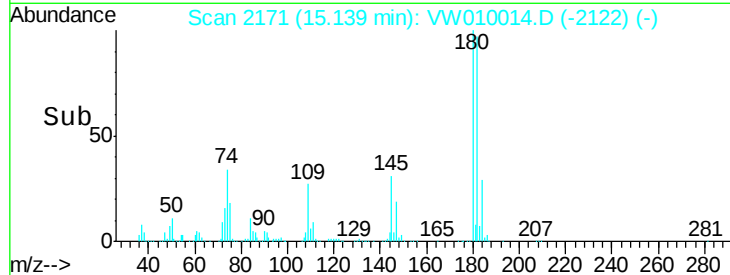
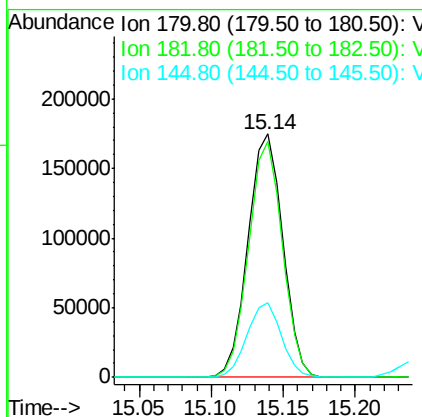
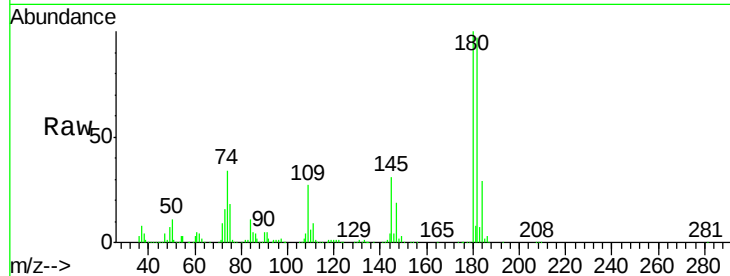
#93
 1,2,4-Trichlorobenzene
 Concen: 50.663 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	291275		
182	94.3	47.1	141.4	
145	30.4	15.2	45.6	

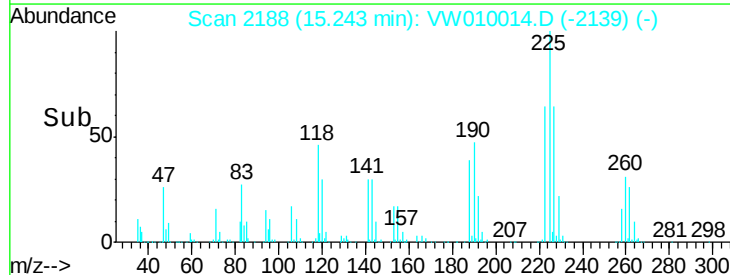
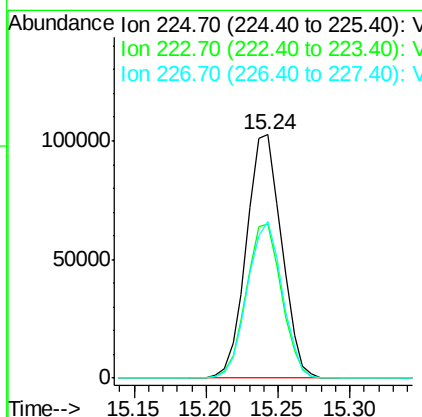
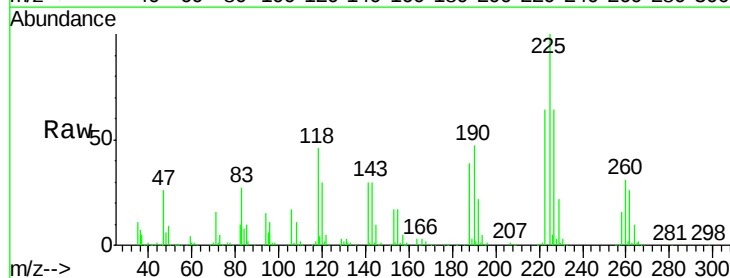
Manual Integrations
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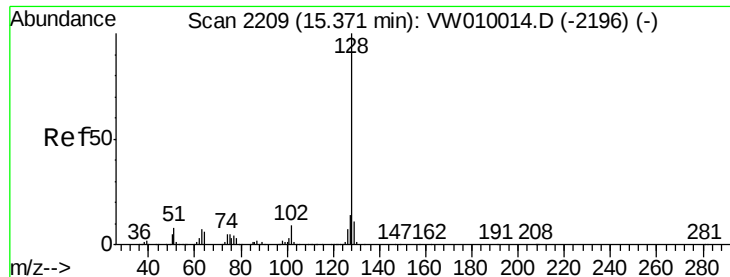
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#94
 Hexachlorobutadiene
 Concen: 49.603 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010014.D
 Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	173178		
223	63.7	31.9	95.5	
227	63.5	31.8	95.3	





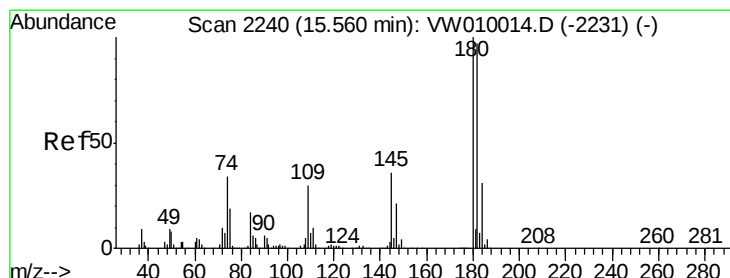
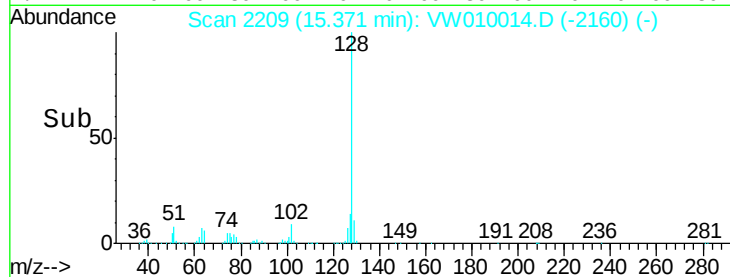
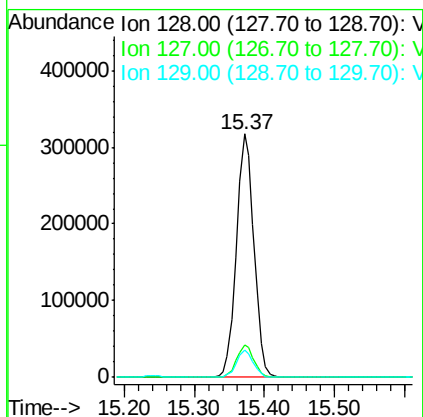
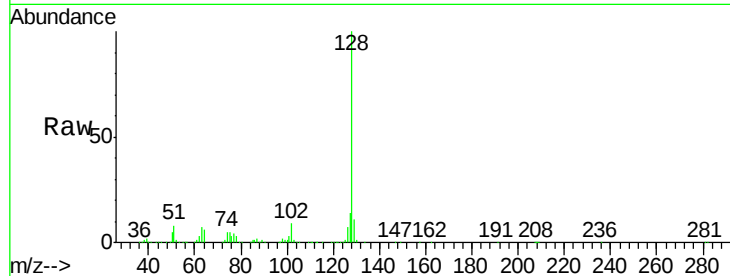
#95
Naphthalene
Concen: 53.315 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	550308		
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: 51.417 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010014.D
Acq: 17 Apr 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	256467		
182	95.5		47.8	143.3
145	32.8		16.4	49.2

