

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091919\
 Data File : VW013152.D
 Acq On : 19 Sep 2019 11:03
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 10:46:02 AM

Quant Time: Sep 20 08:00:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	462660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	390204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128763	43.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.14%	
35) Dibromofluoromethane	7.88	113	129827	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
50) Toluene-d8	10.32	98	524003	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.62	95	181018	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	55668	44.436	ug/l	98
3) Chloromethane	2.21	50	75755	48.491	ug/l	100
4) Vinyl Chloride	2.36	62	111789	48.252	ug/l	98
5) Bromomethane	2.78	94	69036	48.795	ug/l	97
6) Chloroethane	2.92	64	71134	50.062	ug/l	98
7) Trichlorofluoromethane	3.26	101	83066	51.273	ug/l	99
8) Diethyl Ether	3.68	74	68687	54.297	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.07	101	135063	54.967	ug/l	98
10) Methyl Iodide	4.28	142	180037	58.546	ug/l	93
11) Tert butyl alcohol	5.18	59	49530	245.021	ug/l	99
12) 1,1-Dichloroethene	4.04	96	123989	55.496	ug/l	96
13) Acrolein	3.90	56	59351	269.876	ug/l	99
14) Allyl chloride	4.67	41	217103	51.186	ug/l	91
15) Acrylonitrile	5.37	53	177507	274.734	ug/l	99
16) Acetone	4.14	43	175601	272.472	ug/l	96
17) Carbon Disulfide	4.38	76	221704	49.795	ug/l	100
18) Methyl Acetate	4.67	43	83284	48.901	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	236905	53.718	ug/l	97
20) Methylene Chloride	4.92	84	139707	58.756	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	131906	55.124	ug/l	96
22) Diisopropyl ether	6.31	45	468357	53.154	ug/l	96
23) Vinyl Acetate	6.26	43	1390502	263.480	ug/l	96
24) 1,1-Dichloroethane	6.22	63	265197	52.201	ug/l	97
25) 2-Butanone	7.17	43	239461	251.919	ug/l	94
26) 2,2-Dichloropropane	7.17	77	176738	55.275	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	161685	56.438	ug/l	91
28) Bromochloromethane	7.51	49	109481	51.200	ug/l	91
29) Tetrahydrofuran	7.53	42	141575	261.400	ug/l	96
30) Chloroform	7.67	83	265269	51.389	ug/l	98
31) Cyclohexane	7.95	56	210905	55.796	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	214469	50.451	ug/l	98
36) 1,1-Dichloropropene	8.08	75	193561	52.355	ug/l	96
37) Ethyl Acetate	7.25	43	99881	50.899	ug/l #	95
38) Carbon Tetrachloride	8.07	117	192552	50.823	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	226669	55.951	ug/l	95
40) Benzene	8.32	78	572942	55.513	ug/l	100
41) Methacrylonitrile	7.48	41	60448	46.776	ug/l	91
42) 1,2-Dichloroethane	8.40	62	163690	47.312	ug/l	94
43) Isopropyl Acetate	8.42	43	189995	50.426	ug/l	96
44) Trichloroethene	9.09	130	159319	56.356	ug/l	90
45) 1,2-Dichloropropane	9.37	63	153023	55.805	ug/l	100
46) Dibromomethane	9.46	93	71277	54.255	ug/l	96
47) Bromodichloromethane	9.64	83	197432	53.576	ug/l	100
48) Methyl methacrylate	9.43	41	88224	49.892	ug/l	91
49) 1,4-Dioxane	9.46	88	25524	1159.473	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	501798	257.964	ug/l	95
52) Toluene	10.38	92	375296	57.224	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	201052	54.249	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	236003	55.654	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	114829	57.376	ug/l	99
56) Ethyl methacrylate	10.65	69	154425	57.325	ug/l	90
57) 1,3-Dichloropropane	10.93	76	198101	55.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	404426	279.866	ug/l	97
59) 2-Hexanone	10.97	43	358798	264.898	ug/l	94
60) Dibromochloromethane	11.13	129	136068	56.235	ug/l	97
61) 1,2-Dibromoethane	11.23	107	105940	58.027	ug/l	100
64) Tetrachloroethene	10.86	164	131461	56.631	ug/l	92
65) Chlorobenzene	11.66	112	408696	58.802	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	150016	56.322	ug/l	98
67) Ethyl Benzene	11.73	91	744513	57.999	ug/l	97
68) m/p-Xylenes	11.84	106	561748	119.791	ug/l	95
69) o-Xylene	12.16	106	263119	59.849	ug/l	95
70) Styrene	12.18	104	471547	60.295	ug/l	97
71) Bromoform	12.35	173	81997	58.608	ug/l #	99
73) Isopropylbenzene	12.46	105	761721	57.534	ug/l	99
74) N-amyl acetate	12.27	43	180595	53.027	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	138516	59.568	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	87897m	50.239	ug/l	
77) Bromobenzene	12.75	156	177433	58.174	ug/l	94
78) n-propylbenzene	12.80	91	878346	56.400	ug/l	98
79) 2-Chlorotoluene	12.89	91	499189	55.759	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	628889	56.148	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	44018	57.073	ug/l	92
82) 4-Chlorotoluene	12.99	91	520713	55.126	ug/l	96
83) tert-Butylbenzene	13.21	119	572636	57.158	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	629199	56.849	ug/l	97
85) sec-Butylbenzene	13.38	105	788225	57.747	ug/l	99
86) p-Isopropyltoluene	13.50	119	728656	58.144	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	345744	57.263	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	343246	57.850	ug/l	99
89) n-Butylbenzene	13.82	91	667804	56.504	ug/l	98
90) Hexachloroethane	14.09	117	125034	55.675	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	305502	57.537	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20732	48.708	ug/l	88

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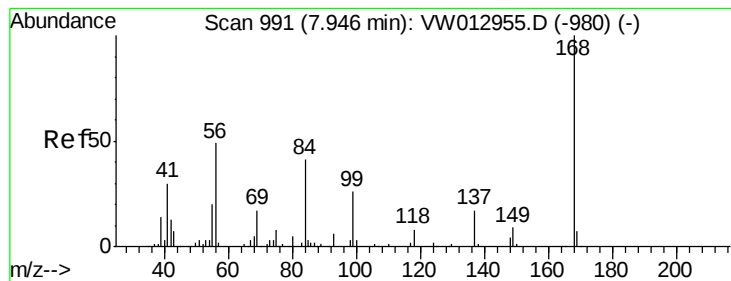
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	221341	58.452	ug/l	98
94) Hexachlorobutadiene	15.24	225	145428	54.251	ug/l	97
95) Naphthalene	15.36	128	397126	62.766	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	198098	59.181	ug/l	99

(#) = 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: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 323674

Ion Ratio Lower Upper

168 100

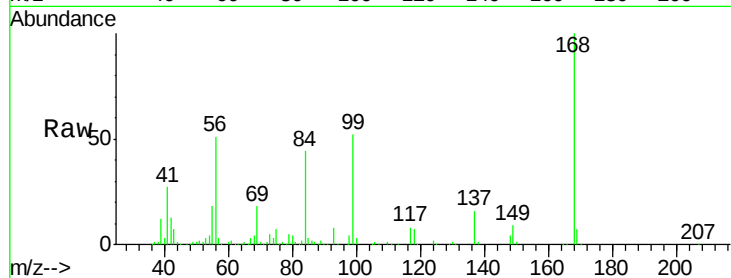
99 51.9 46.2 69.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

100000

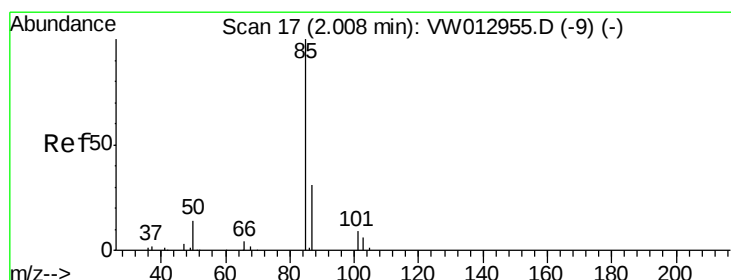
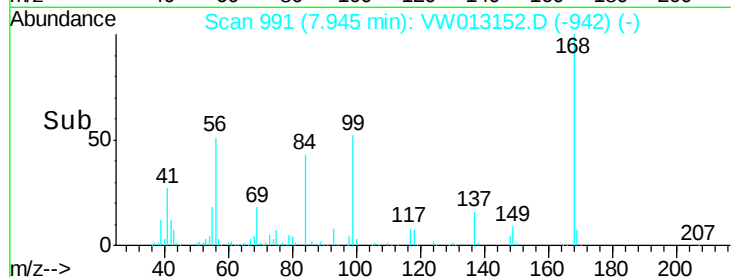
50000

0

7.95

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.436 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013152.D

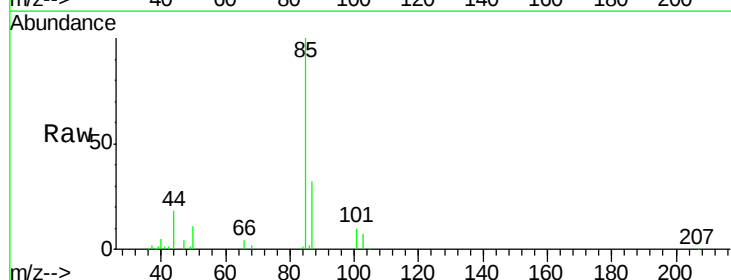
Acq: 19 Sep 2019 11:03

Tgt Ion: 85 Resp: 55668

Ion Ratio Lower Upper

85 100

87 32.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

10000

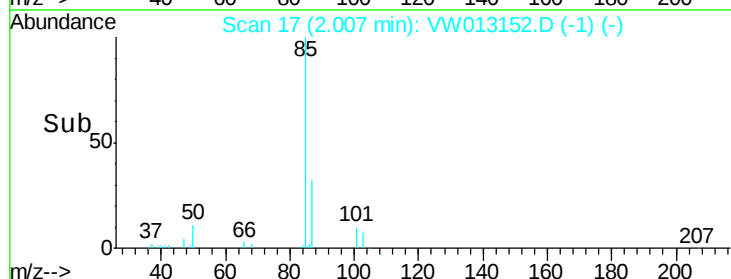
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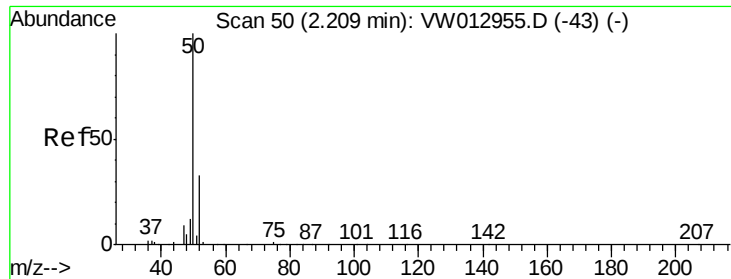
0

2.01

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 48.491 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 75755

Ion Ratio Lower Upper

50 100

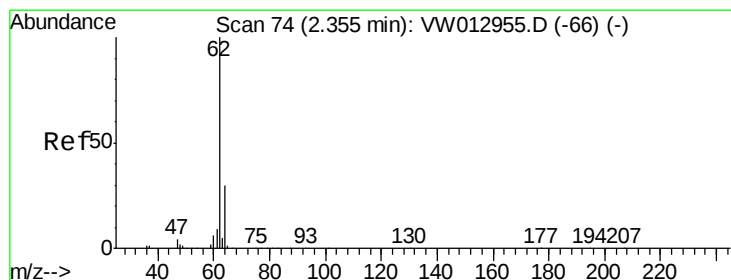
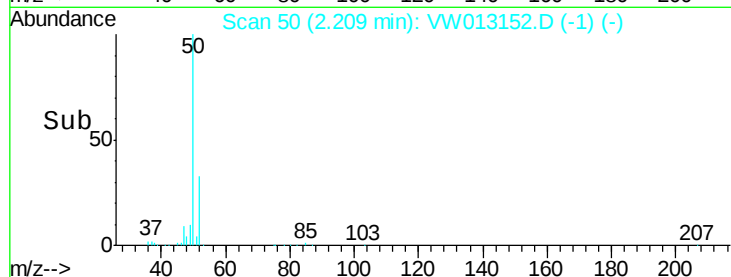
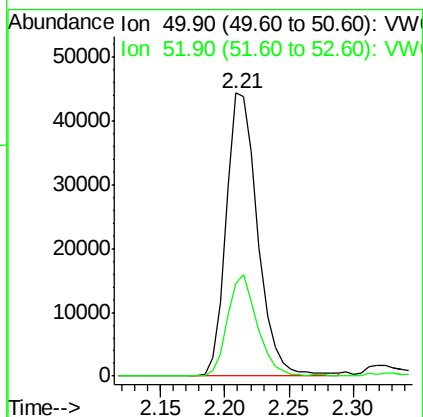
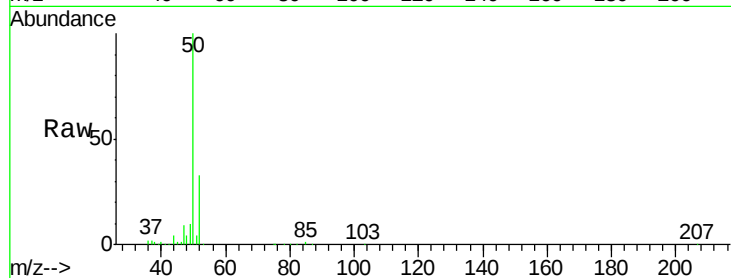
52 32.9 26.6 39.8

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#4

Vinyl Chloride

Concen: 48.252 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013152.D

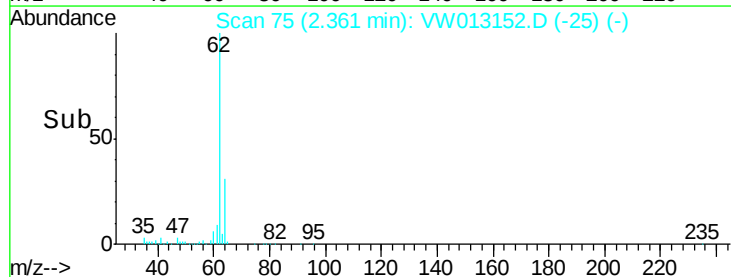
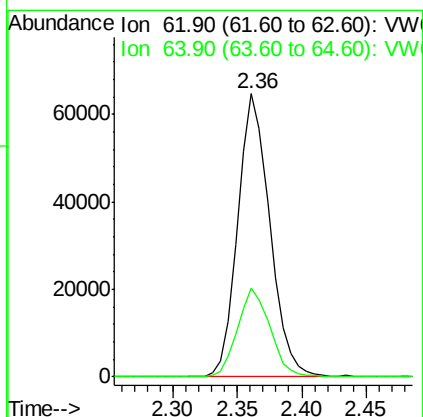
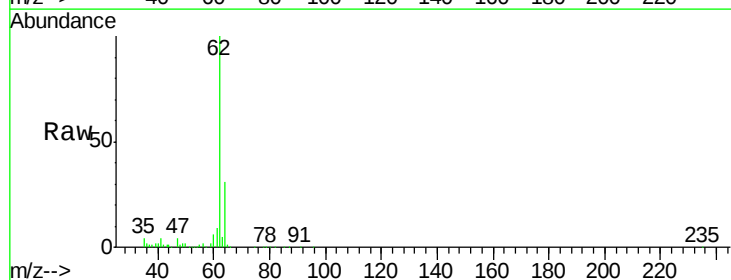
Acq: 19 Sep 2019 11:03

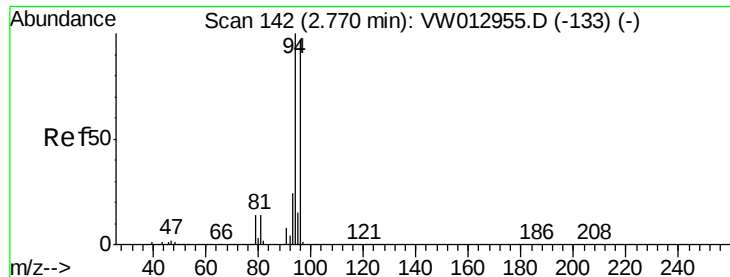
Tgt Ion: 62 Resp: 111789

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 48.795 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69036

Ion Ratio Lower Upper

94 100

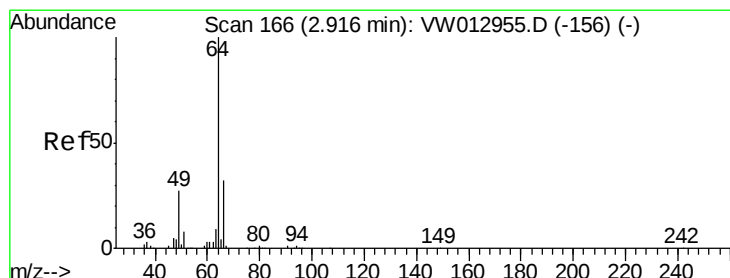
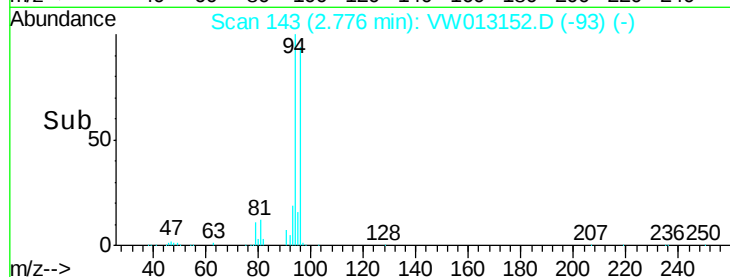
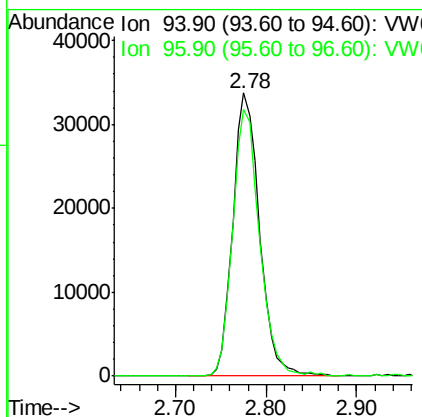
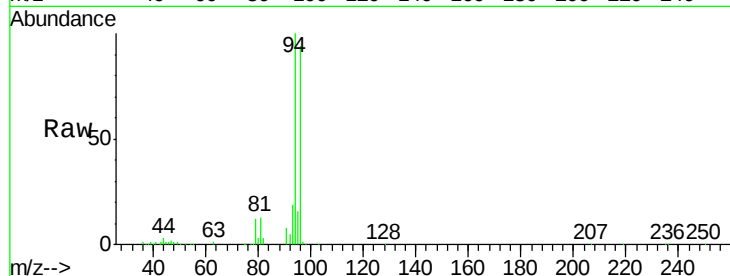
96 94.4 77.8 116.6

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#6

Chloroethane

Concen: 50.062 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013152.D

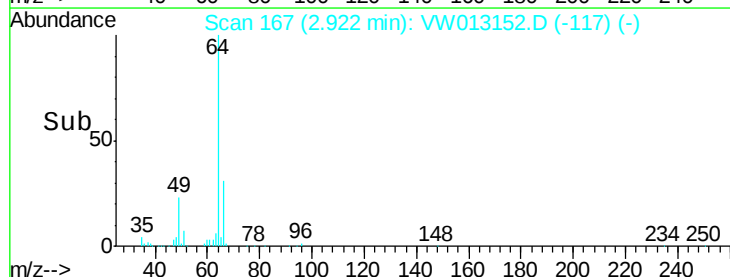
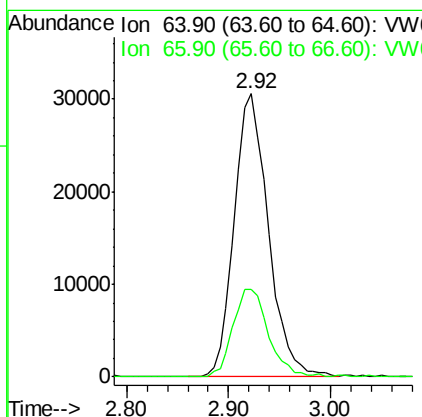
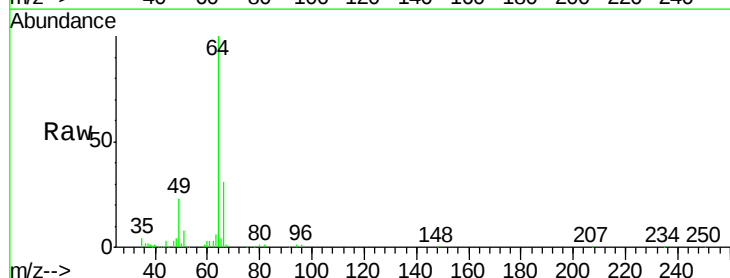
Acq: 19 Sep 2019 11:03

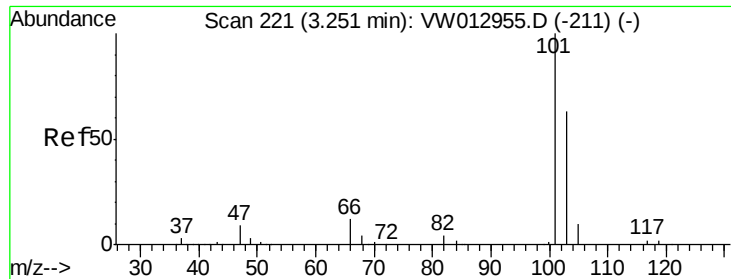
Tgt Ion: 64 Resp: 71134

Ion Ratio Lower Upper

64 100

66 31.0 25.9 38.9





#7

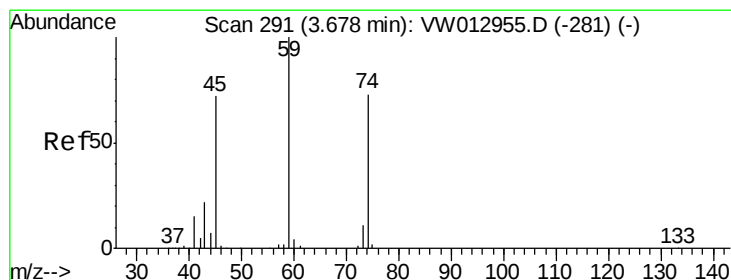
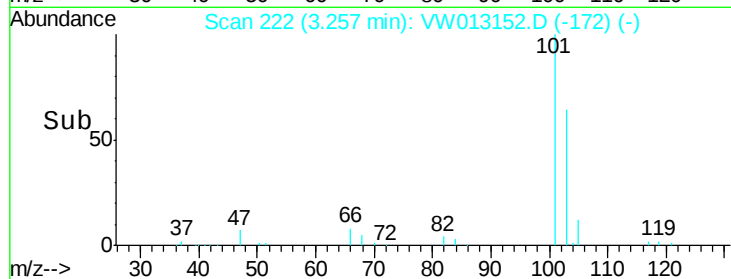
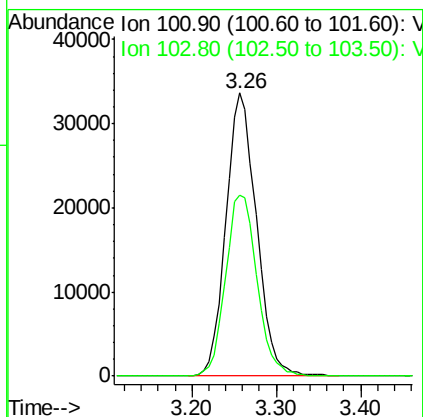
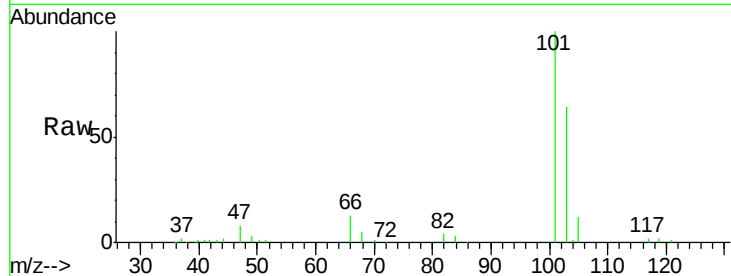
Trichlorofluoromethane
Concen: 51.273 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 83066
Ion Ratio Lower Upper
101 100
103 63.9 50.7 76.1

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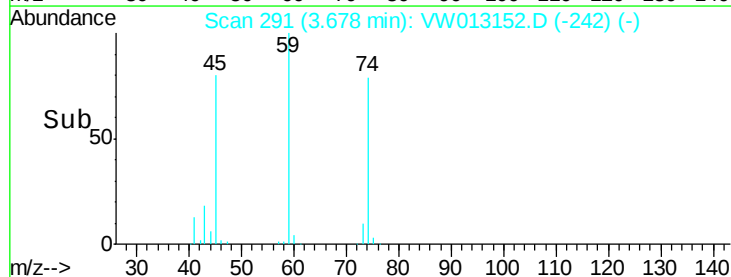
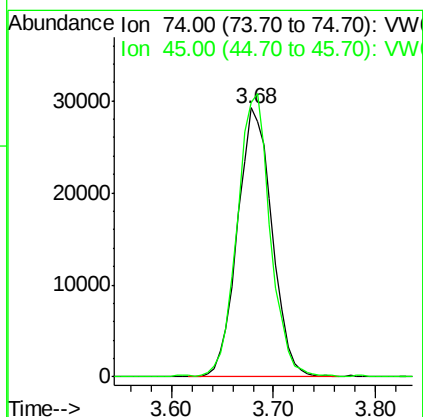
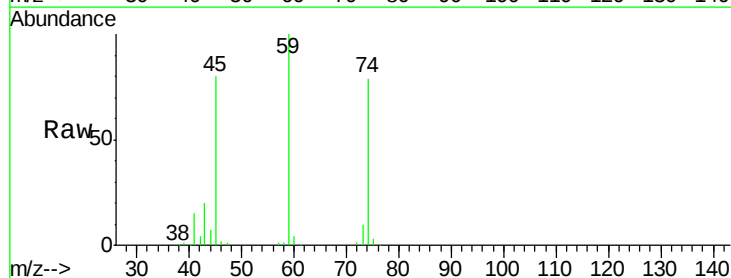
MMDadoda
9/23/2019 10:46:02 AM

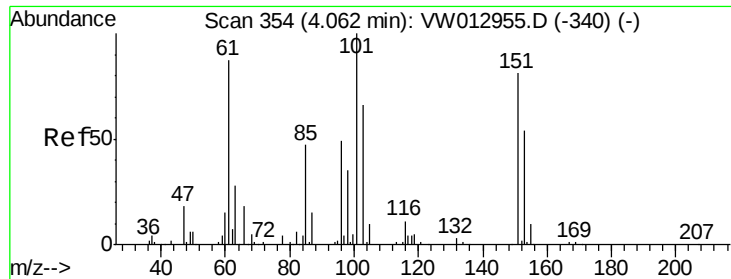


#8

Diethyl Ether
Concen: 54.297 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion: 74 Resp: 68687
Ion Ratio Lower Upper
74 100
45 100.7 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.967 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

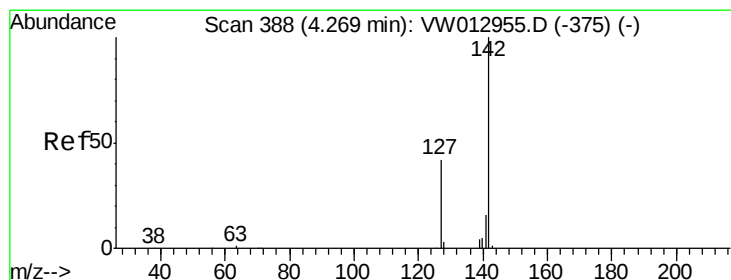
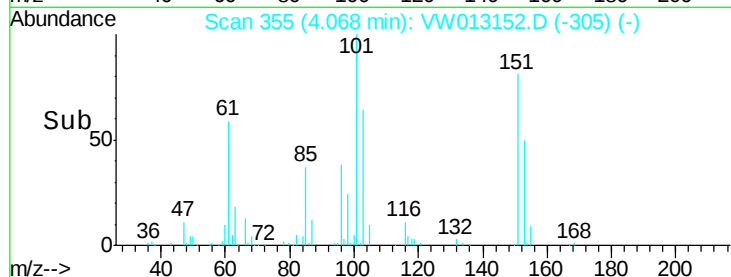
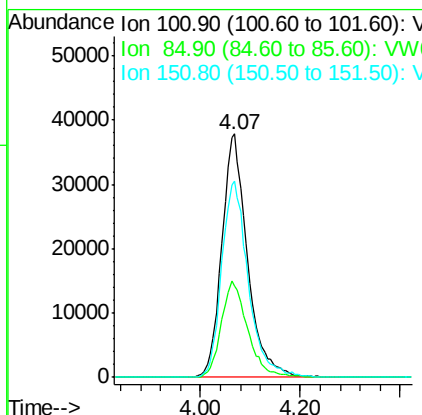
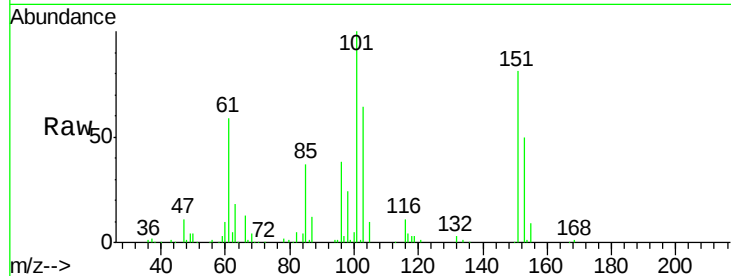
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	135063
Ion Ratio	Lower	Upper	
101	100		
85	40.7	34.9	52.3
151	83.6	66.0	99.0

Manual Integrations
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9/23/2019 10:46:02 AM



#10

Methyl Iodide

Concen: 58.546 ug/l

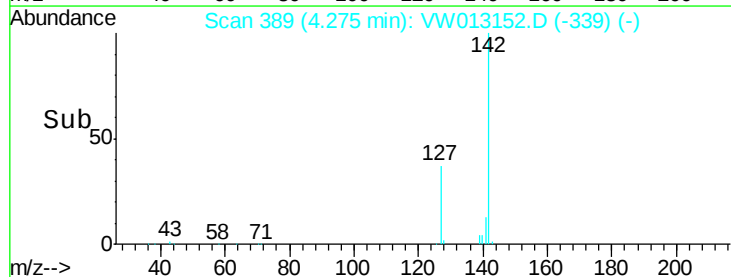
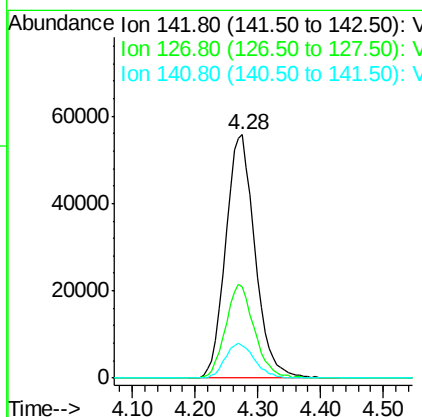
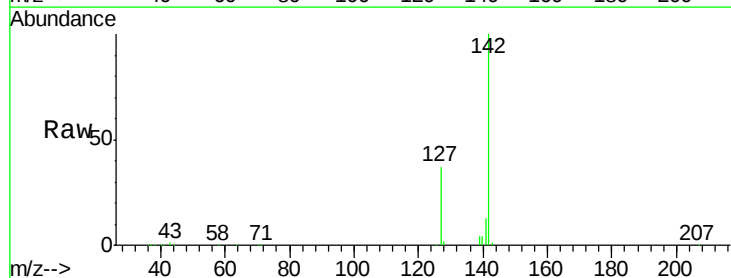
RT: 4.28 min Scan# 389

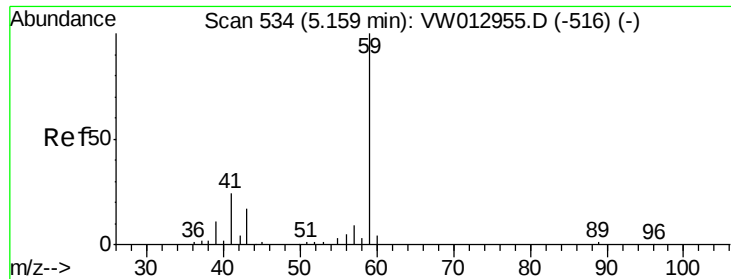
Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion:	142	Resp:	180037
Ion Ratio	Lower	Upper	
142	100		
127	37.9	34.7	52.1
141	14.4	12.2	18.2





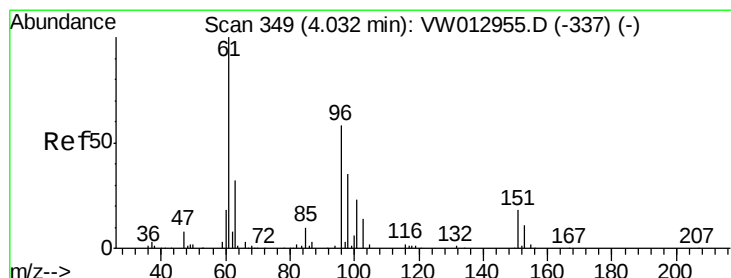
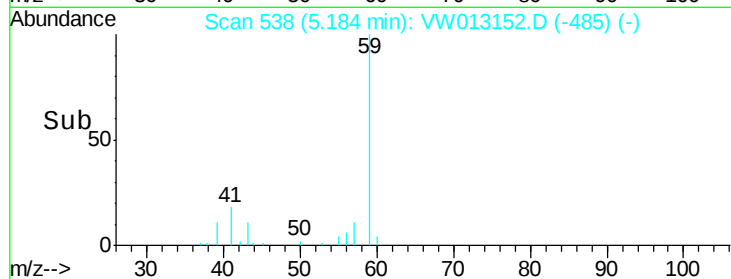
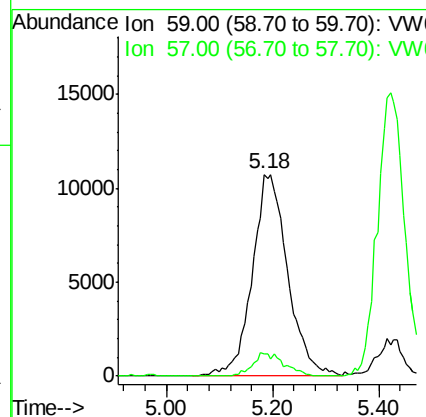
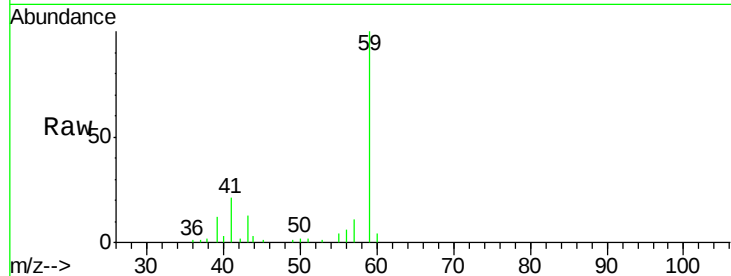
#11
Tert butyl alcohol
Concen: 245.021 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.2	Resp	Lower	Upper
49530								
							8.5	12.7

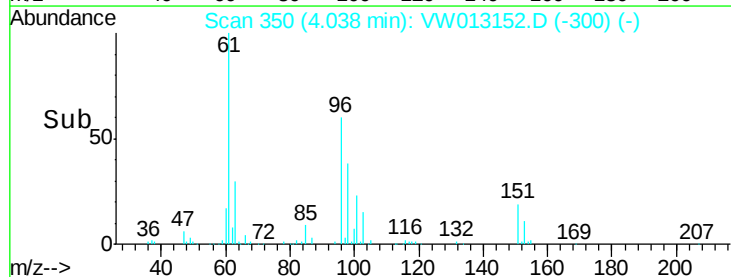
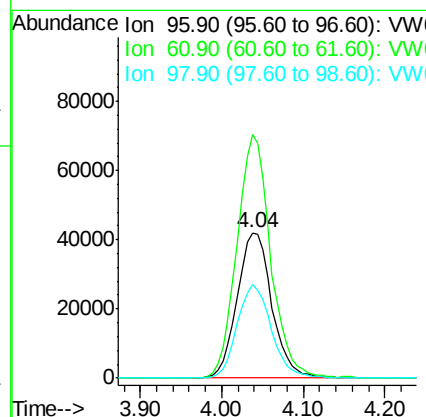
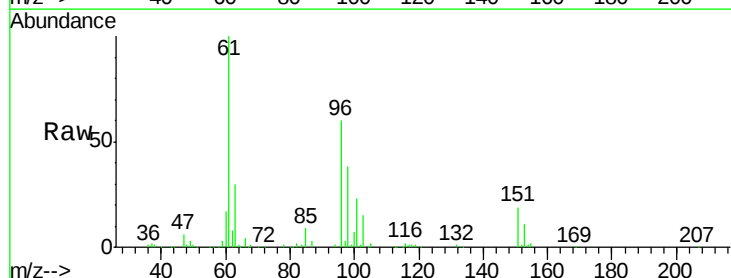
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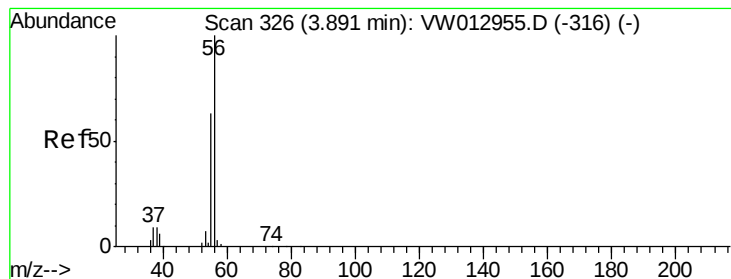
MMDadoda
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#12
1,1-Dichloroethene
Concen: 55.496 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	96	61	98	Ratio	100	167.5	64.2	Resp	Lower	Upper
123989										





#13

Acrolein

Concen: 269.876 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 59351

Ion Ratio Lower Upper

56 100

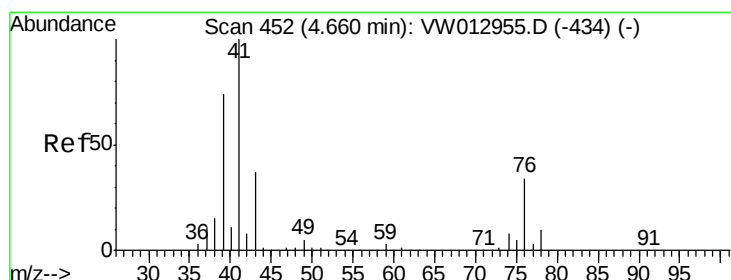
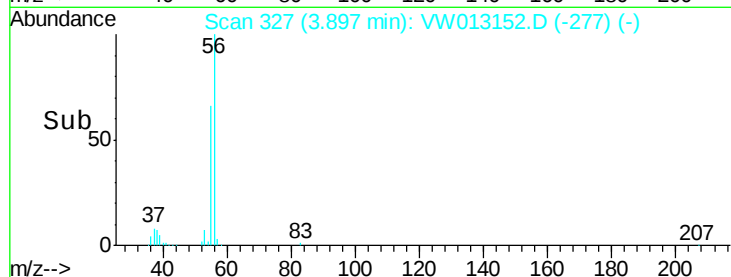
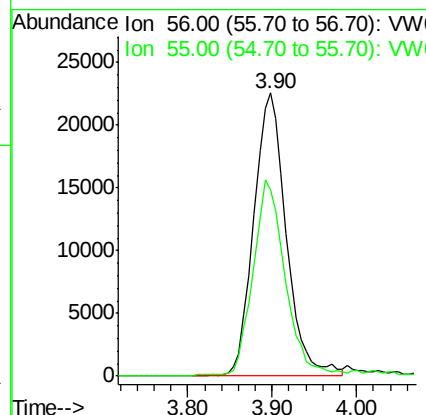
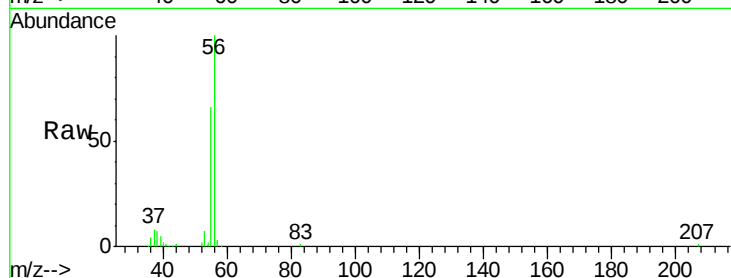
55 68.7 55.8 83.8

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#14

Allyl chloride

Concen: 51.186 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

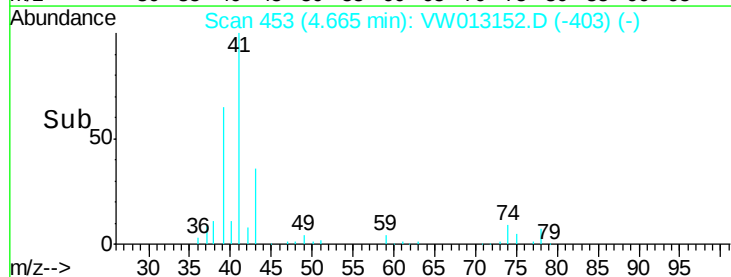
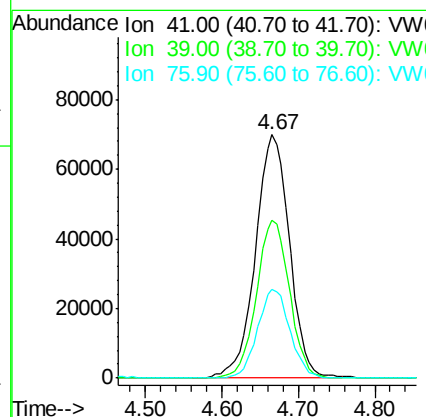
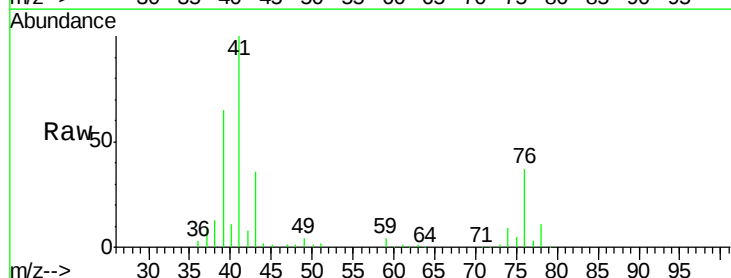
Tgt Ion: 41 Resp: 217103

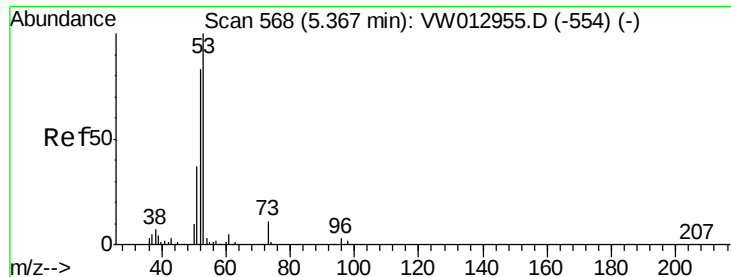
Ion Ratio Lower Upper

41 100

39 62.9 56.7 85.1

76 34.9 25.1 37.7





#15

Acrylonitrile

Concen: 274.734 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

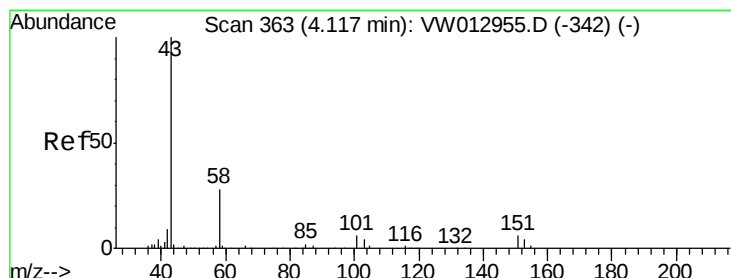
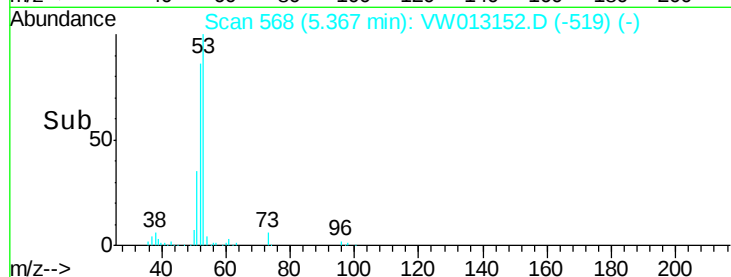
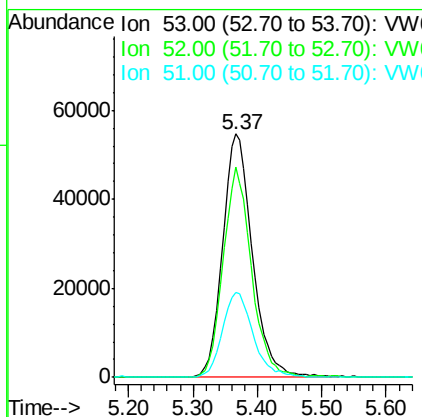
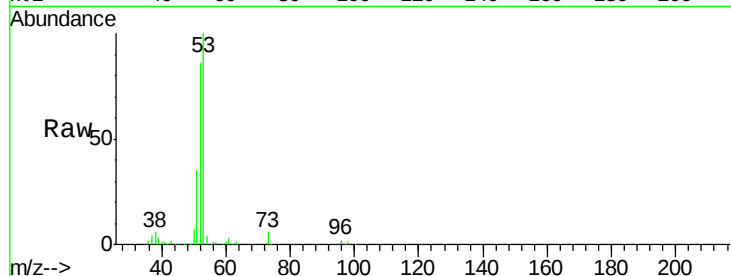
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	177507
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.6	100.0
51	36.0	29.8	44.8

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#16

Acetone

Concen: 272.472 ug/l

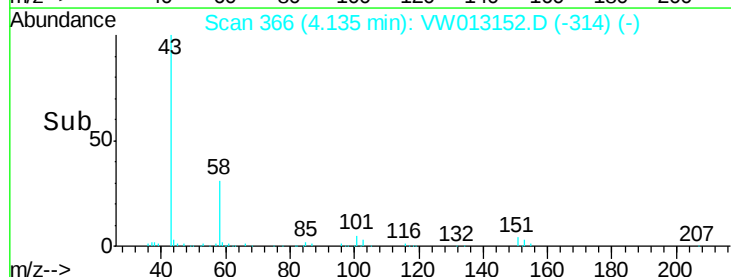
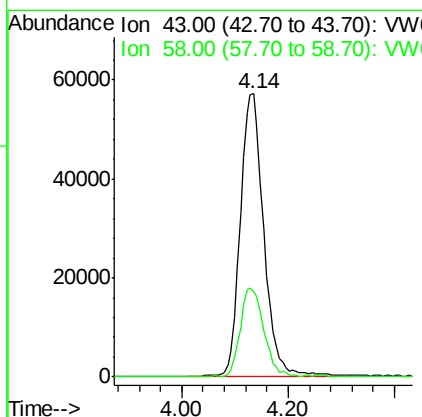
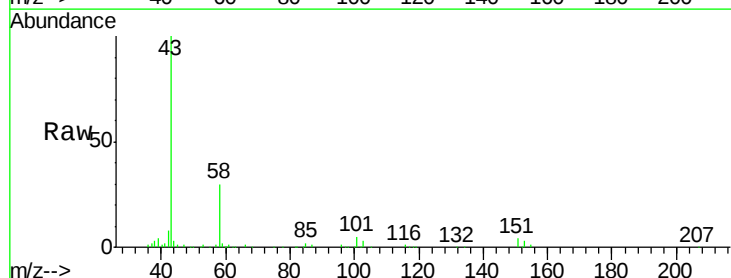
RT: 4.14 min Scan# 366

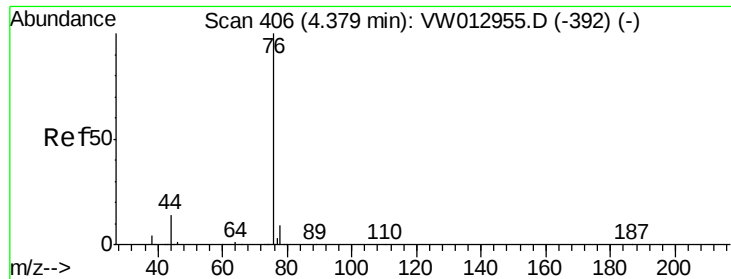
Delta R.T. 0.02 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion:	43	Resp:	175601
Ion Ratio	Lower	Upper	
43	100		
58	30.1	22.3	33.5





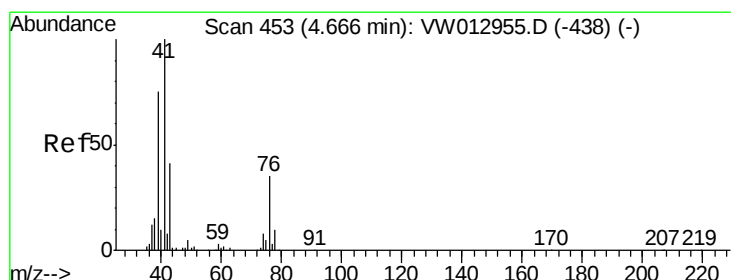
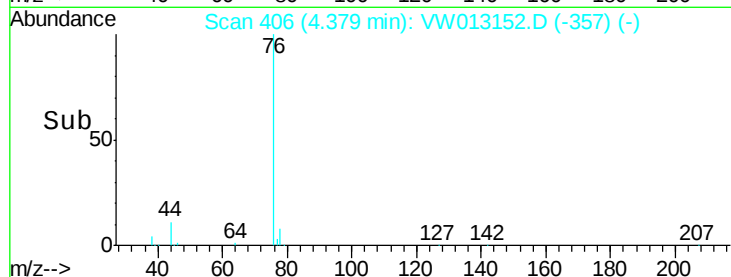
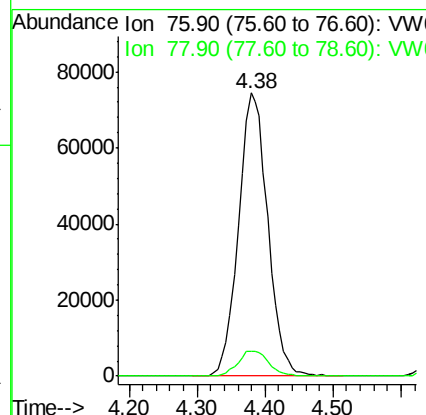
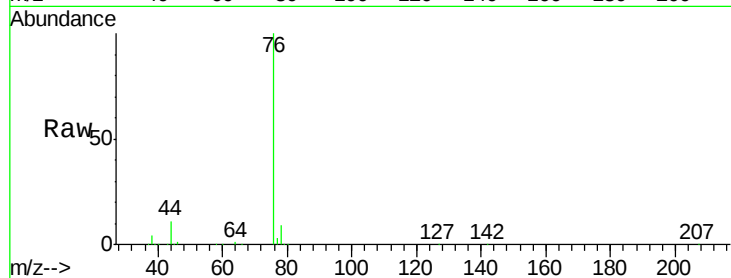
#17
Carbon Disulfide
Concen: 49.795 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

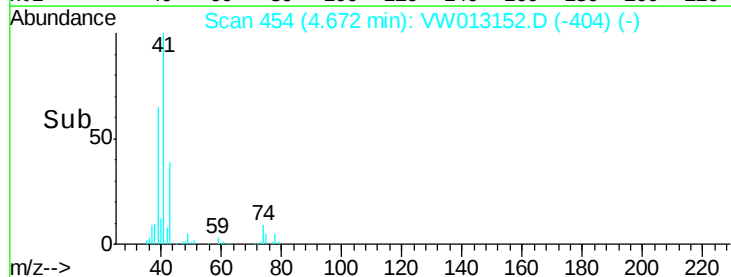
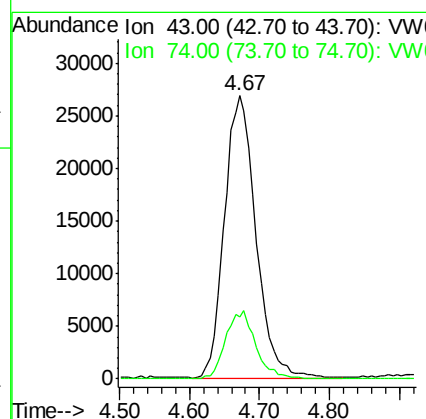
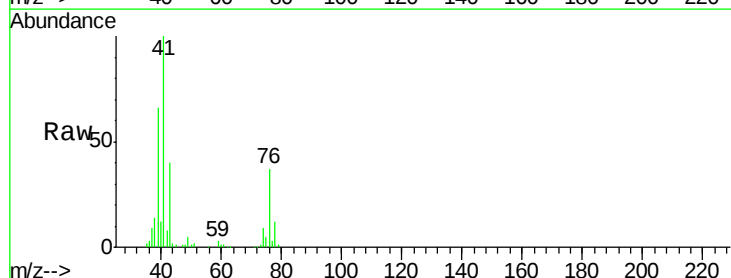
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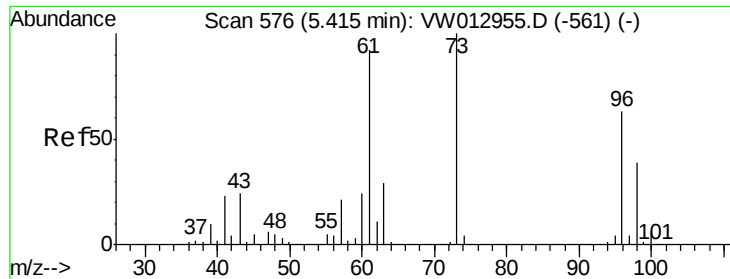
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#18
Methyl Acetate
Concen: 48.901 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.8	26.8





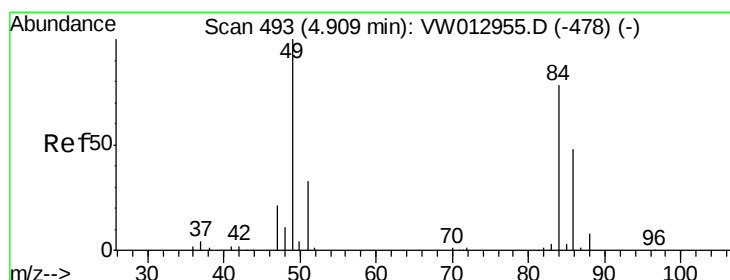
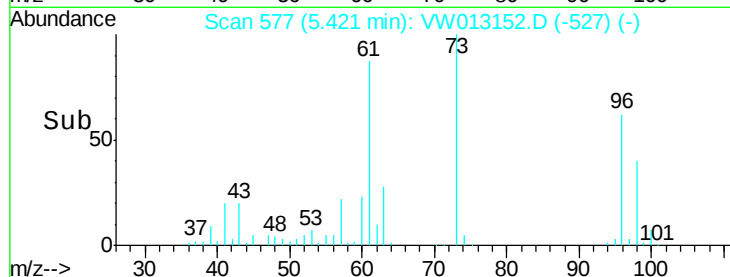
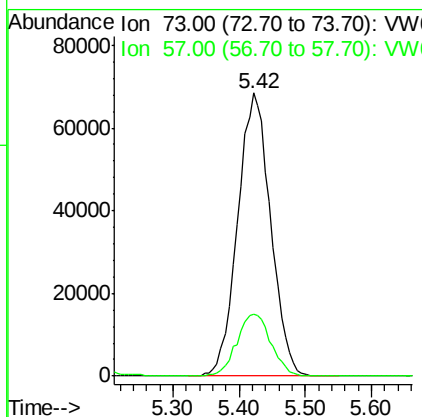
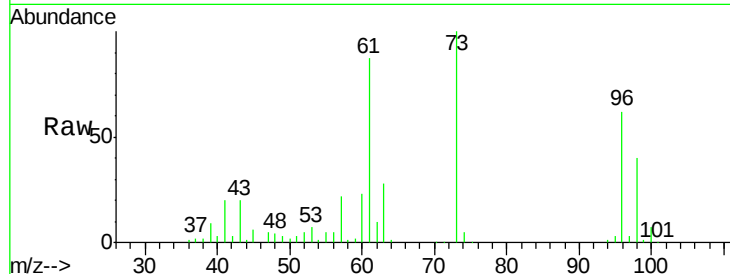
#19
Methyl tert-butyl Ether
Concen: 53.718 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 236905
Ion Ratio Lower Upper
73 100
57 22.0 16.4 24.6

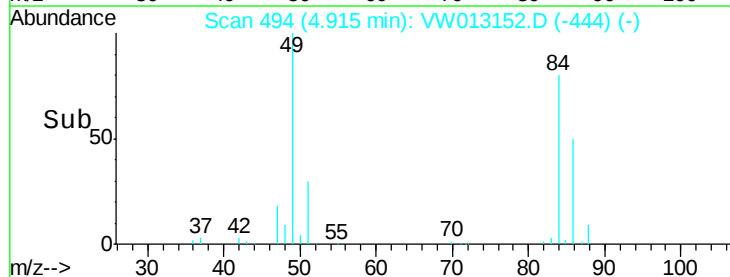
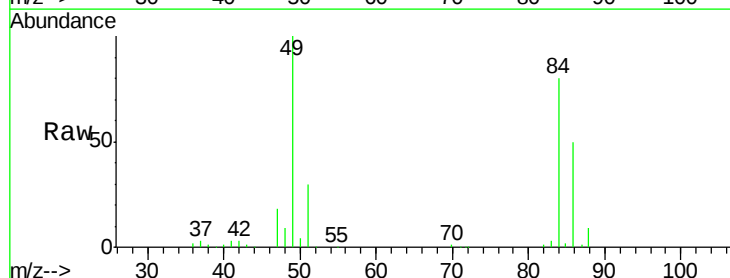
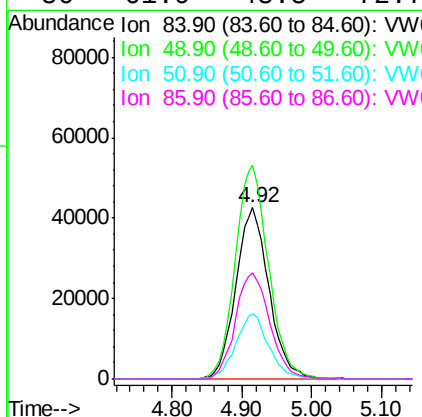
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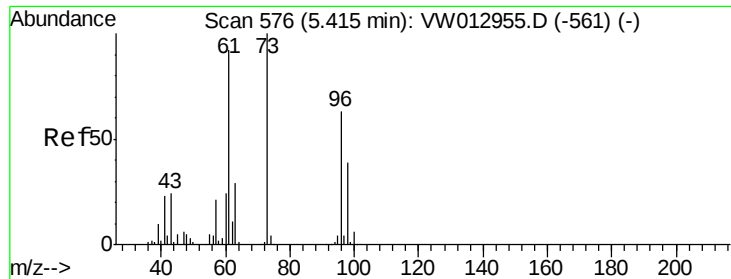
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9/23/2019 10:46:02 AM



#20
Methylene Chloride
Concen: 58.756 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion: 84 Resp: 139707
Ion Ratio Lower Upper
84 100
49 124.6 102.0 153.0
51 37.8 34.0 51.0
86 61.9 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 55.124 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

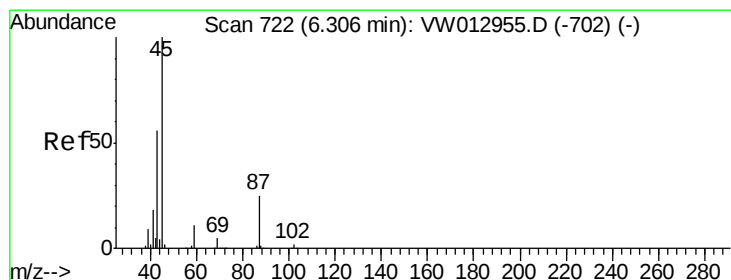
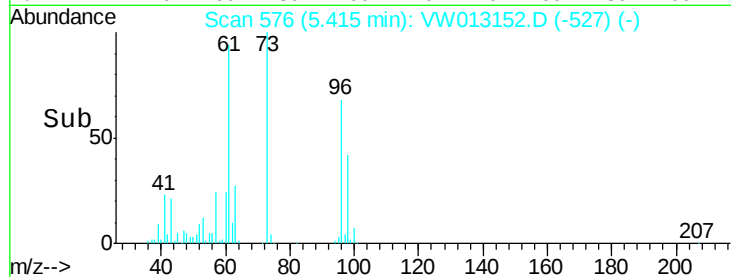
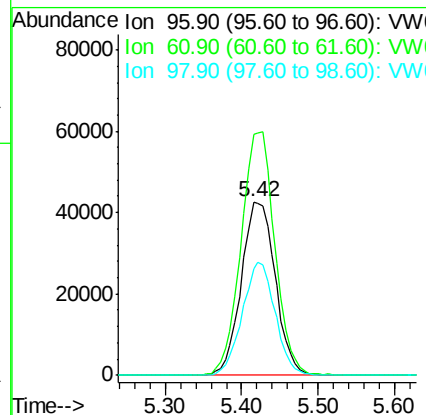
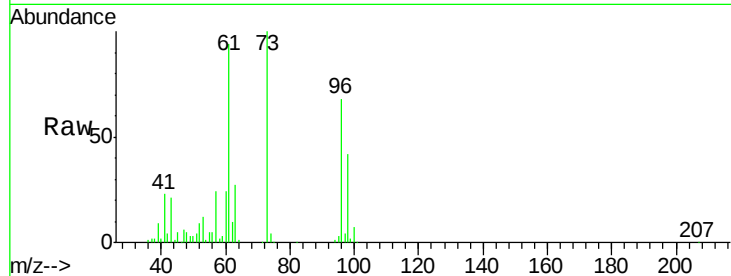
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	131906
Ion	Ratio	Lower	Upper
96	100		
61	138.9	116.2	174.2
98	61.4	49.8	74.6

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#22

Diisopropyl ether

Concen: 53.154 ug/l

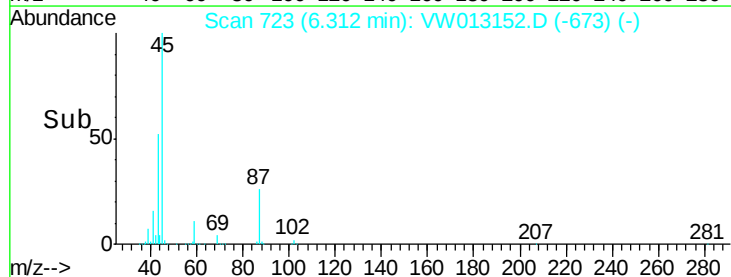
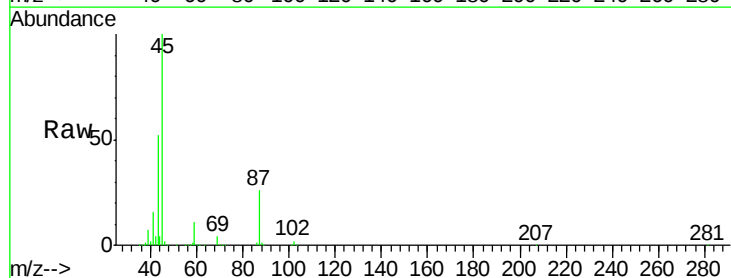
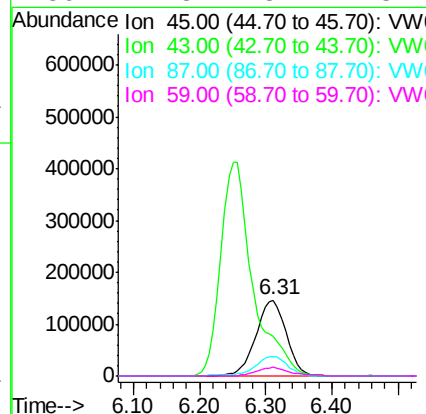
RT: 6.31 min Scan# 723

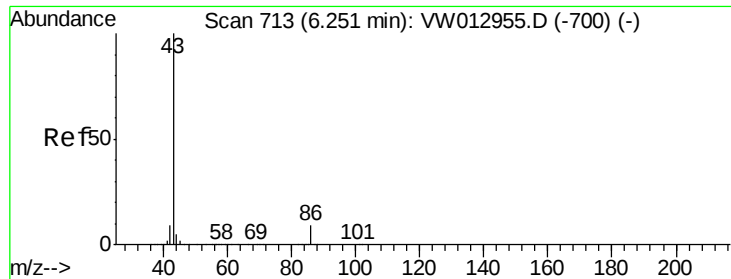
Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion:	45	Resp:	468357
Ion	Ratio	Lower	Upper
45	100		
43	51.3	44.6	67.0
87	26.0	20.0	30.0
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 263.480 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tot Ion: 43 Resp: 1390502

Ion Ratio Lower Upper

43 100

86 10.2 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

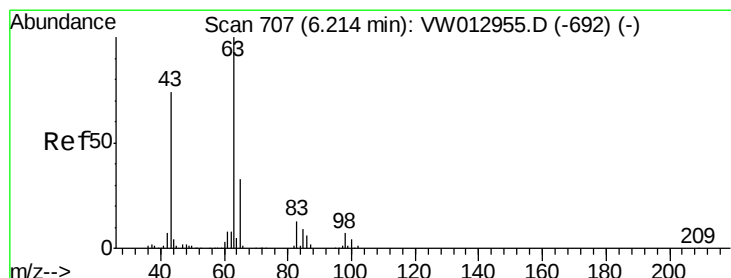
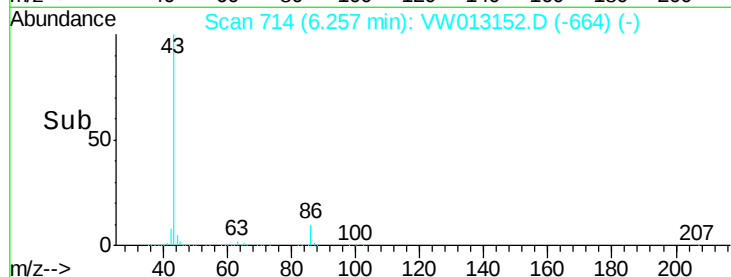
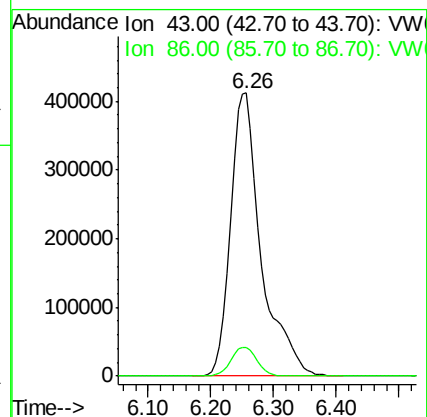
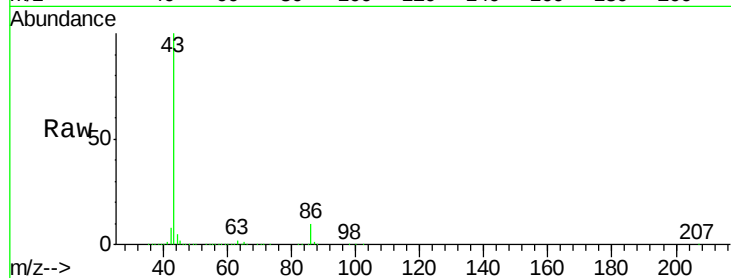
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 52.201 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

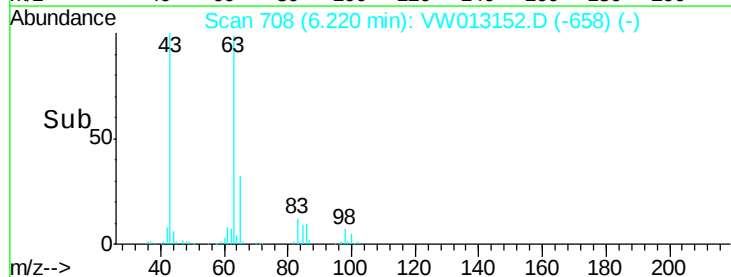
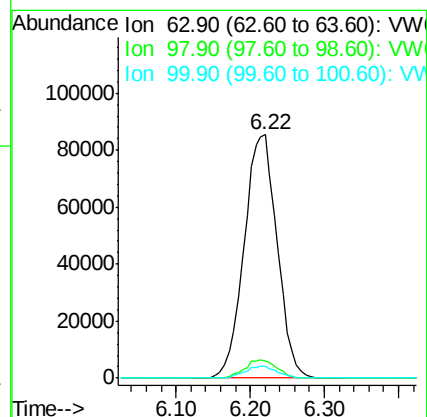
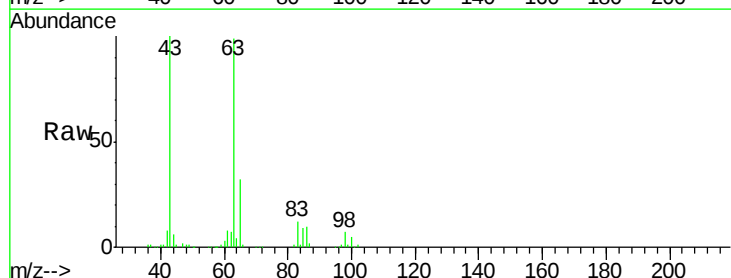
Tgt Ion: 63 Resp: 265197

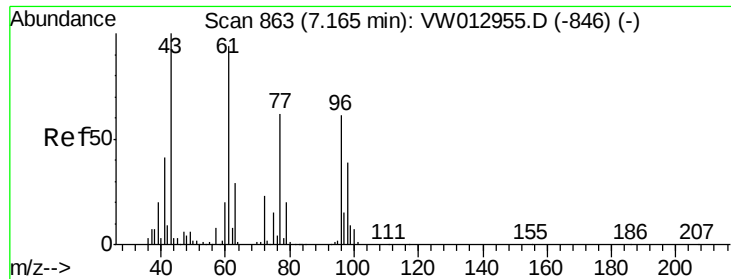
Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

100 5.0 1.8 5.5





#25

2-Butanone

Concen: 251.919 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 239461

Ion Ratio Lower Upper

43 100

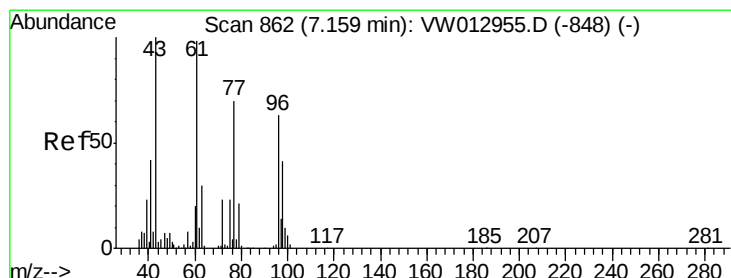
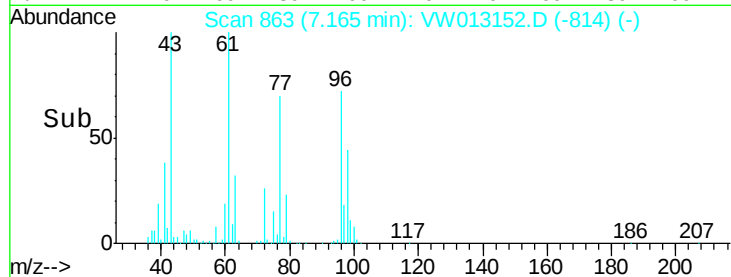
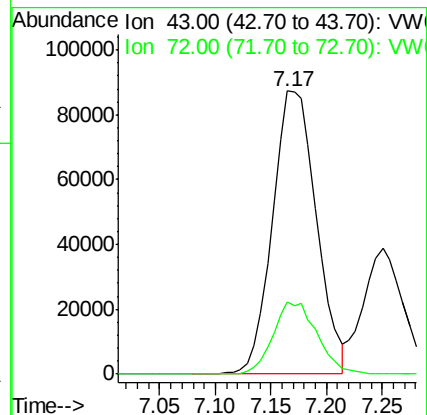
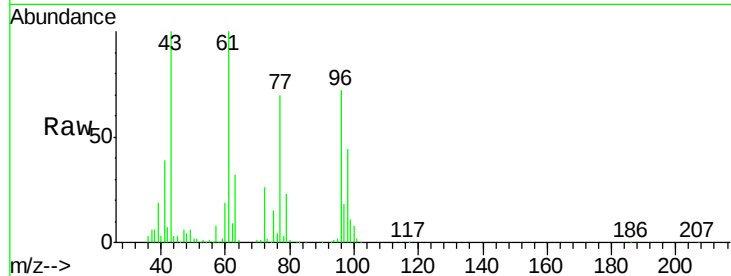
72 25.7 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 55.275 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013152.D

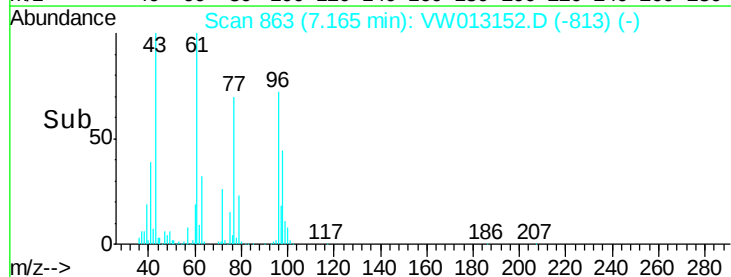
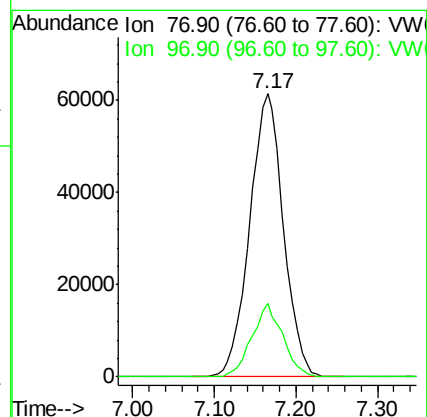
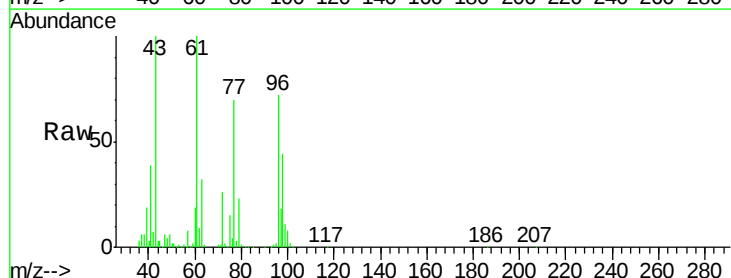
Acq: 19 Sep 2019 11:03

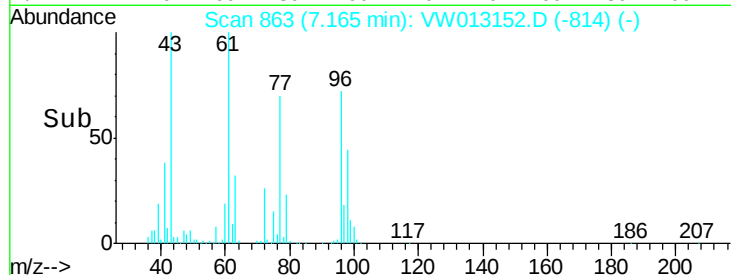
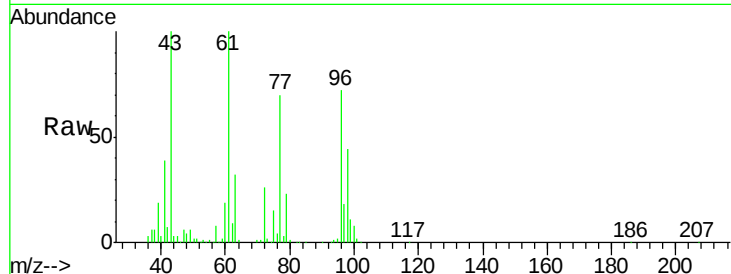
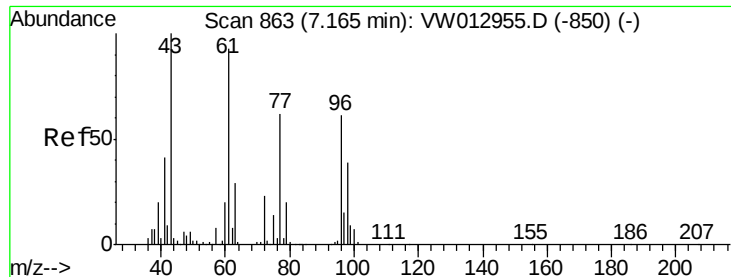
Tgt Ion: 77 Resp: 176738

Ion Ratio Lower Upper

77 100

97 23.6 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 56.438 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013152.D

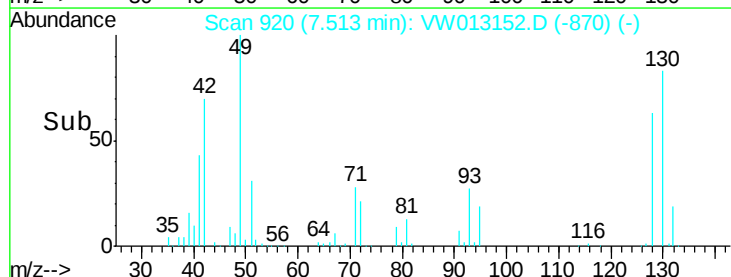
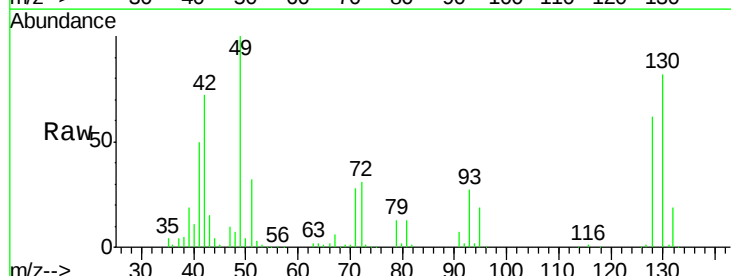
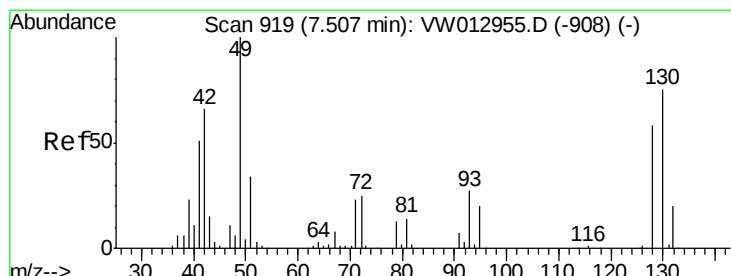
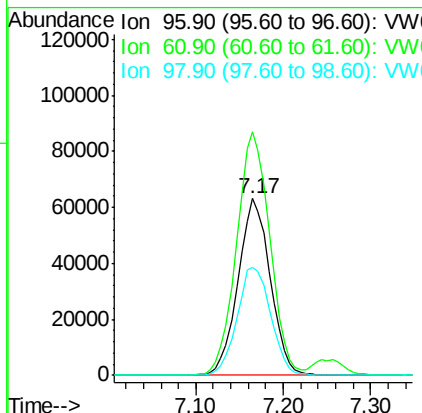
Acq: 19 Sep 2019 11:03

Tot Ion:	96	Resp:	161685
Ion Ratio	Lower	Upper	
96	100		
61	142.5	0.0	315.4
98	64.2	0.0	131.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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#28

Bromochloromethane

Concen: 51.200 ug/l

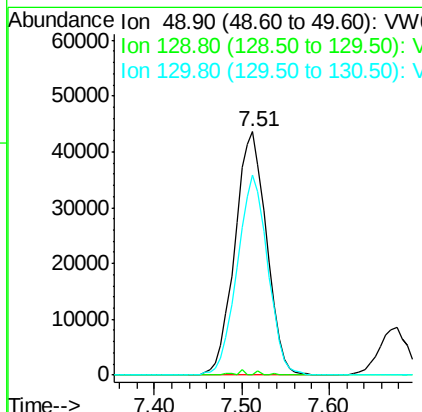
RT: 7.51 min Scan# 920

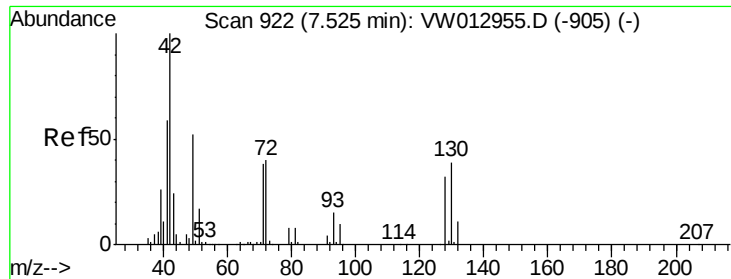
Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion:	49	Resp:	109481
Ion Ratio	Lower	Upper	
49	100		
129	0.2	0.0	1.4
130	79.5	57.8	86.6





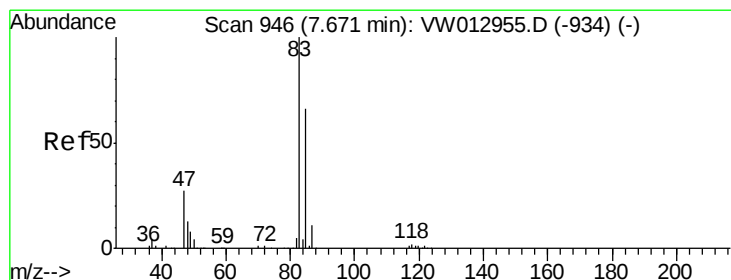
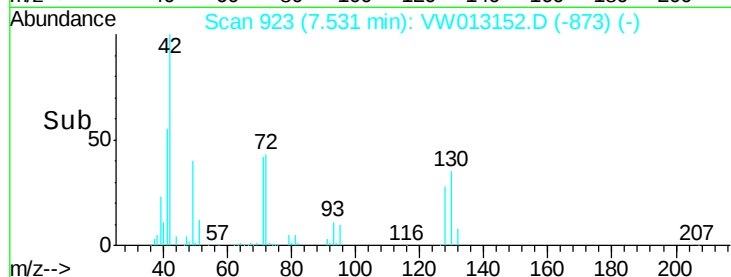
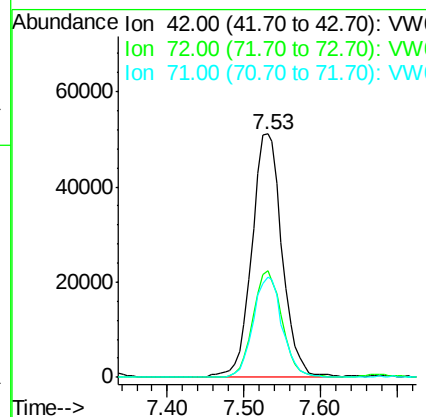
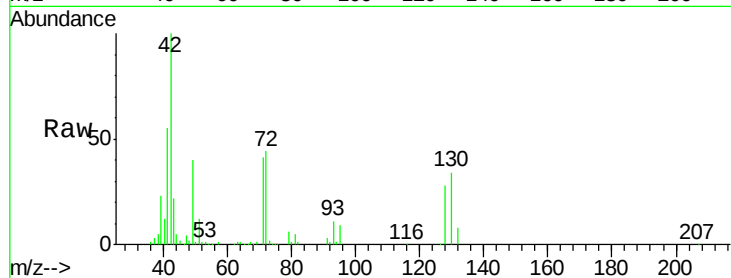
#29
Tetrahydrofuran
Concen: 261.400 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	31.4	47.0
71	39.6	29.8	44.8

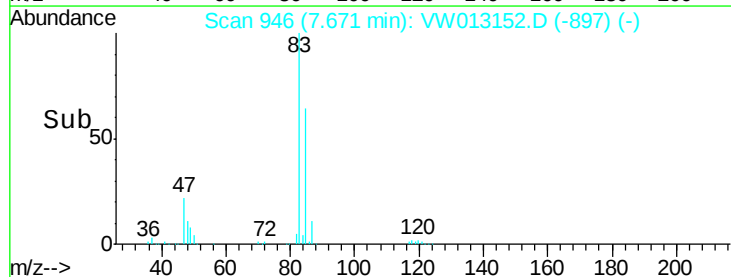
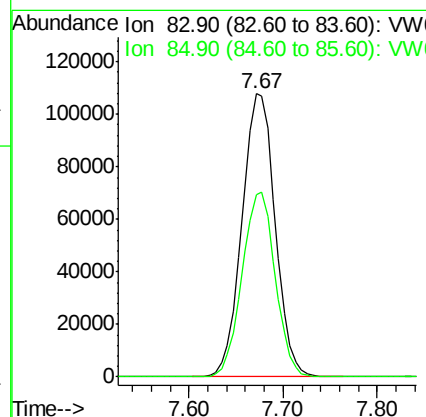
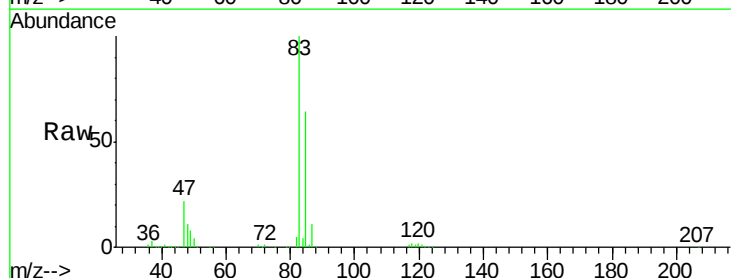
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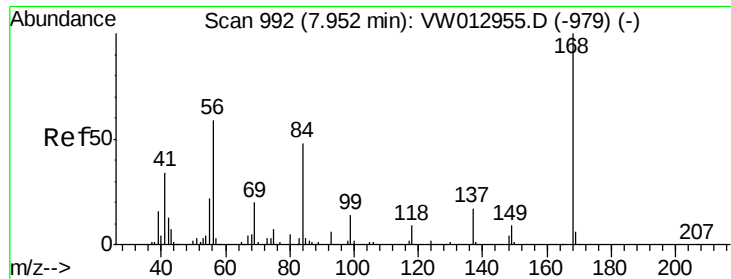
MMDadoda
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#30
Chloroform
Concen: 51.389 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2





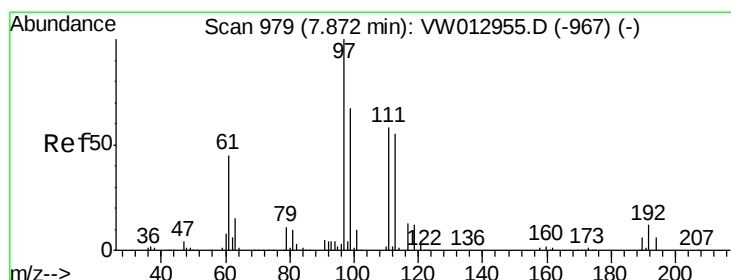
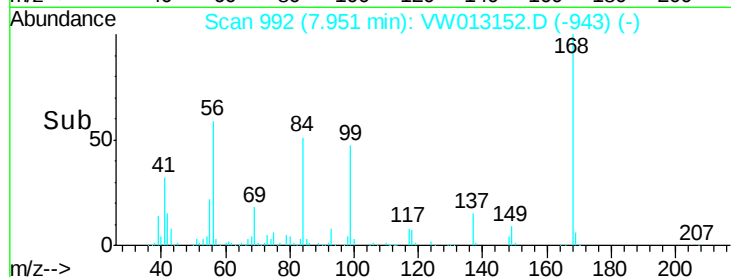
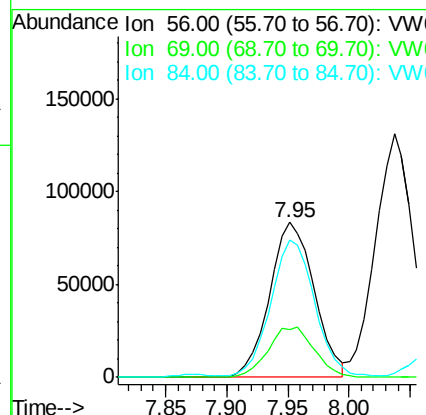
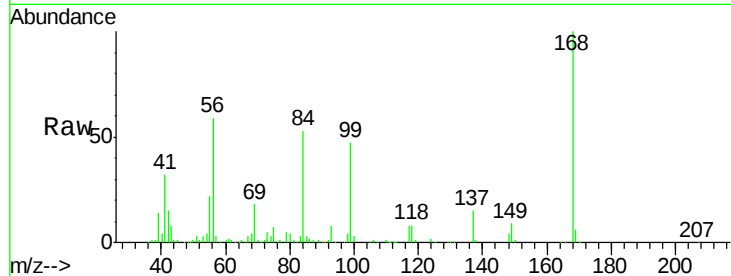
#31
Cyclohexane
Concen: 55.796 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	30.9	27.0	40.6	
84	86.9	66.2	99.2	

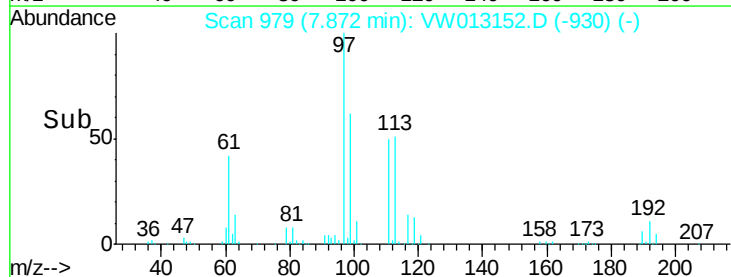
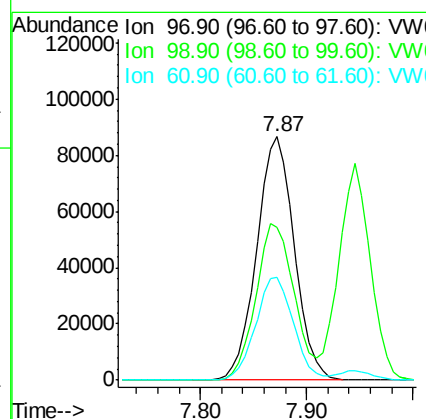
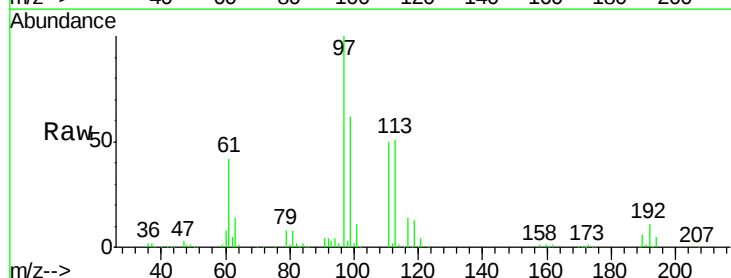
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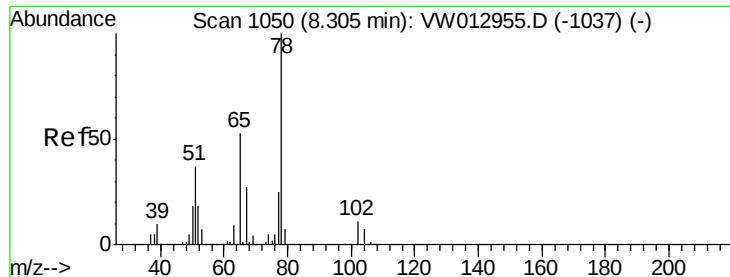
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#32
1,1,1-Trichloroethane
Concen: 50.451 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	65.7	53.0	79.4	
61	42.8	36.5	54.7	





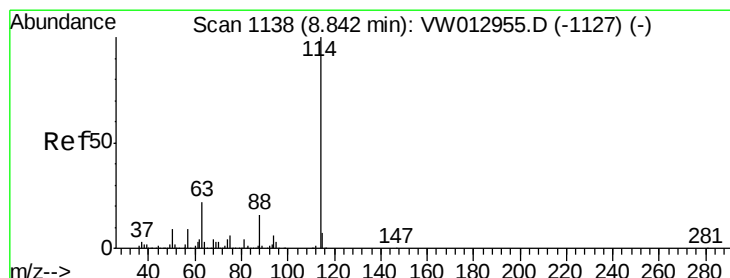
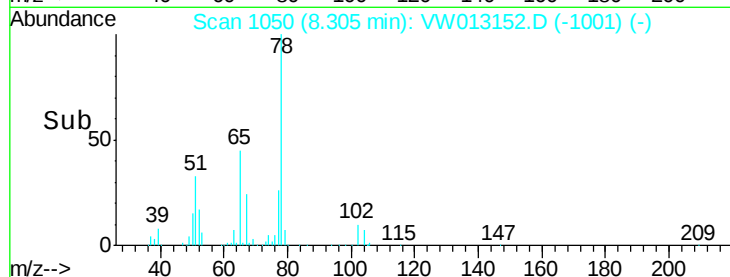
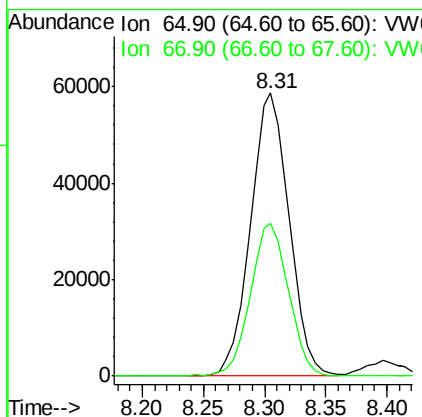
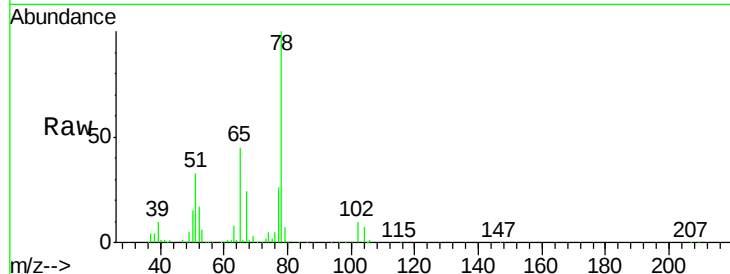
#33
 1,2-Dichloroethane-d4
 Concen: 43.074 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128763		
67	53.6	0.0	101.2	

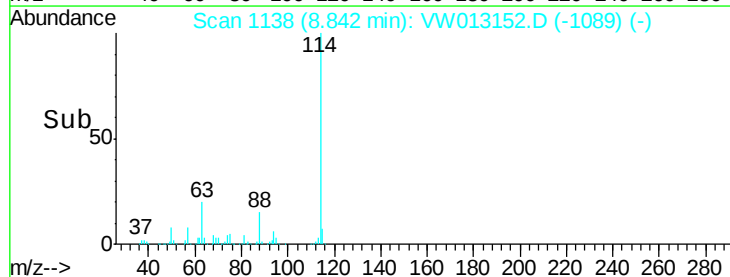
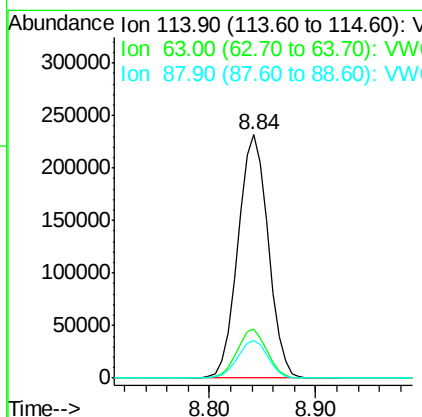
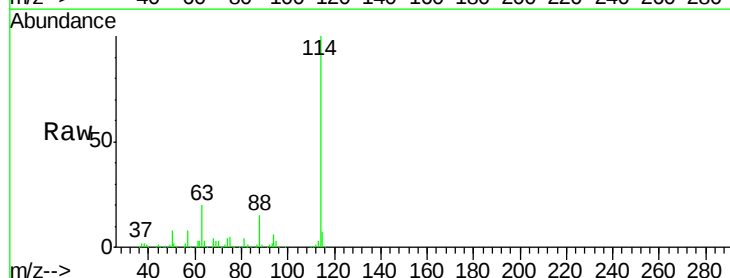
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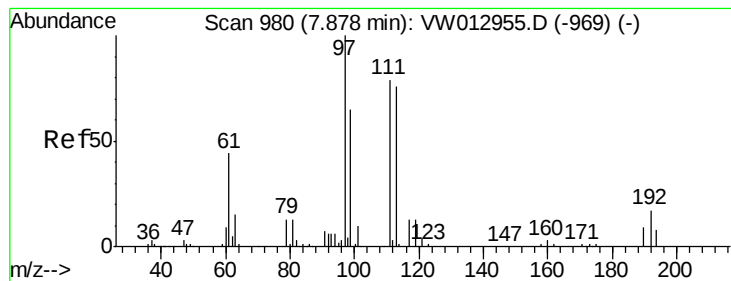
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	462660		
63	20.0	0.0	43.4	
88	15.4	0.0	31.6	





#35

Dibromofluoromethane

Concen: 51.715 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

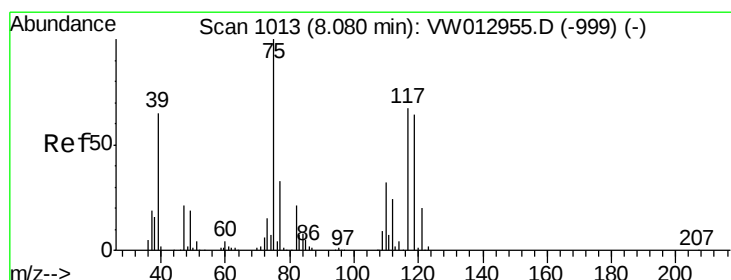
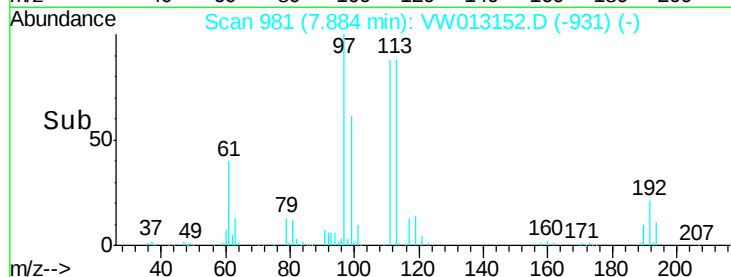
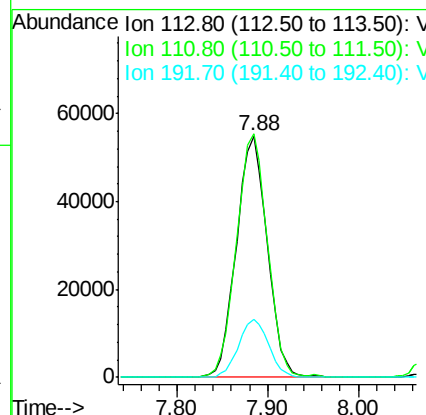
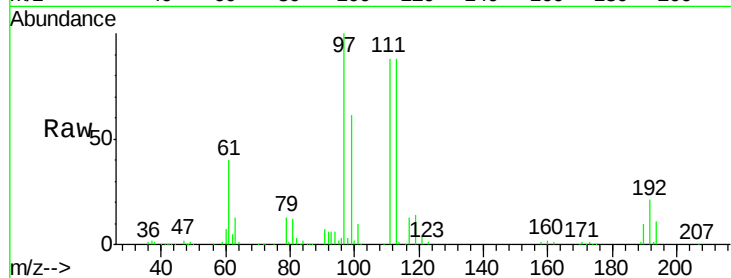
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	129827
Ion Ratio	Lower	Upper	
113	100		
111	101.1	82.8	124.2
192	23.3	17.8	26.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.355 ug/l

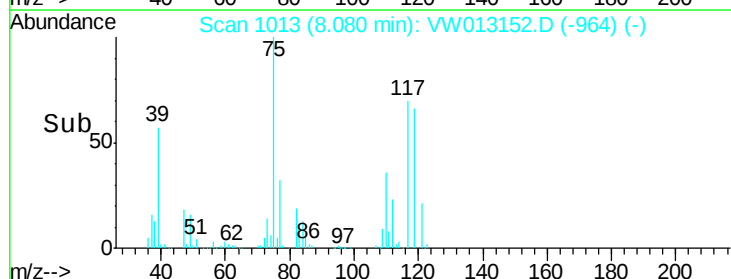
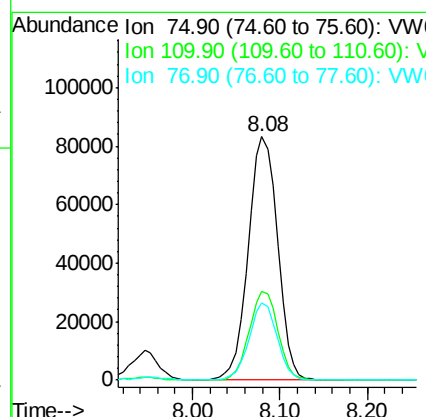
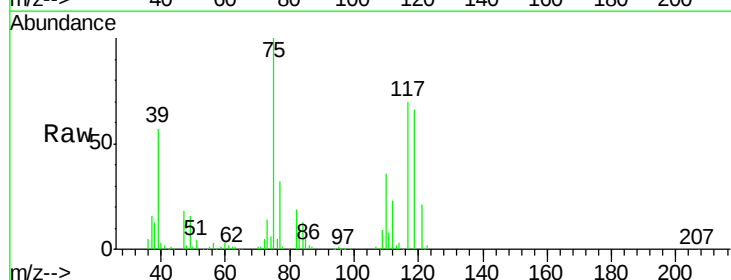
RT: 8.08 min Scan# 1013

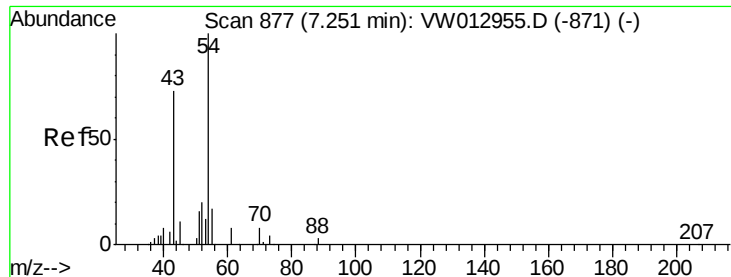
Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion:	75	Resp:	193561
Ion Ratio	Lower	Upper	
75	100		
110	35.8	16.4	49.1
77	30.6	25.1	37.7





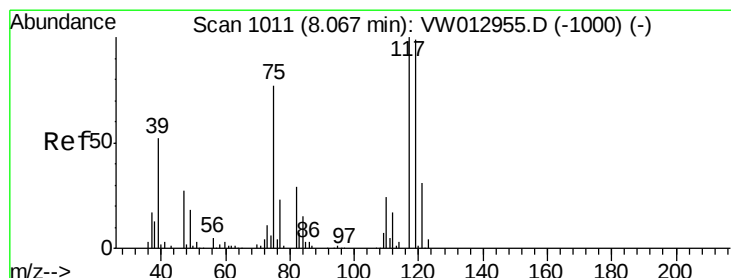
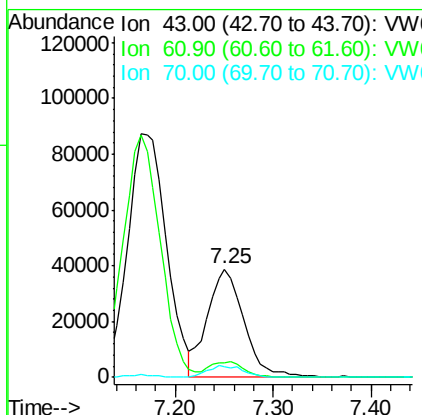
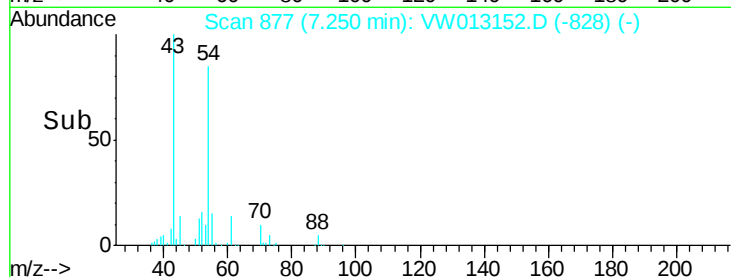
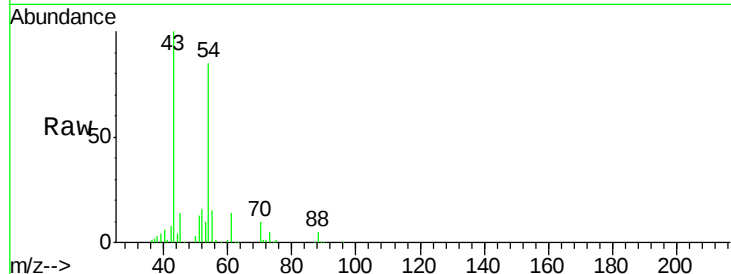
#37
Ethyl Acetate
Concen: 50.899 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	9.6	14.4#
70	10.8	7.6	11.4

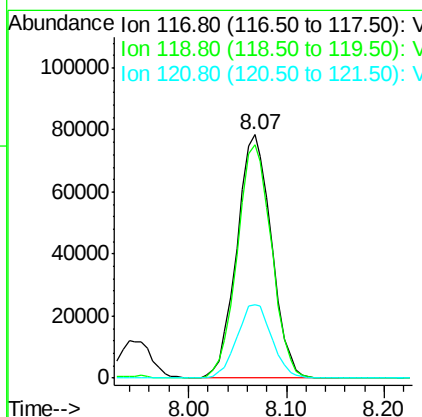
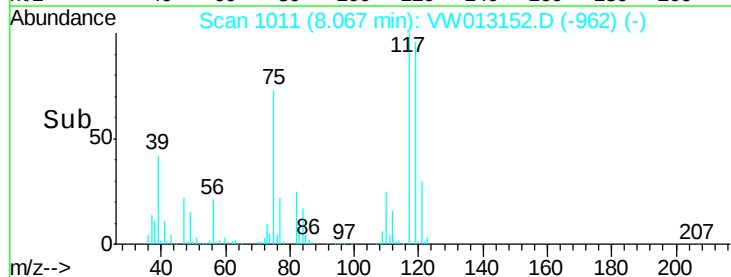
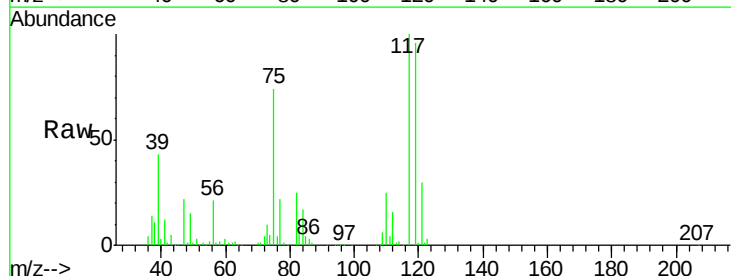
Manual Integrations
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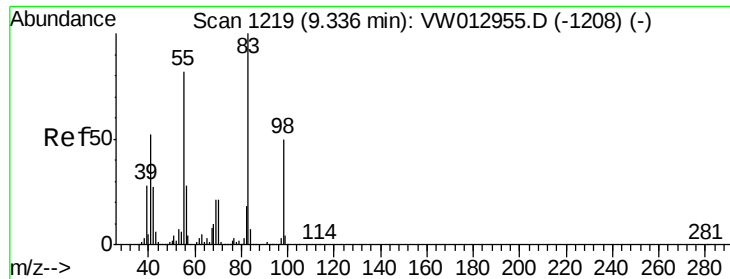
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.823 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	79.4	119.0
121	30.4	24.6	36.8





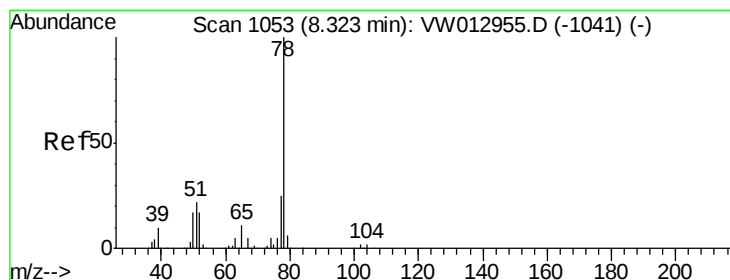
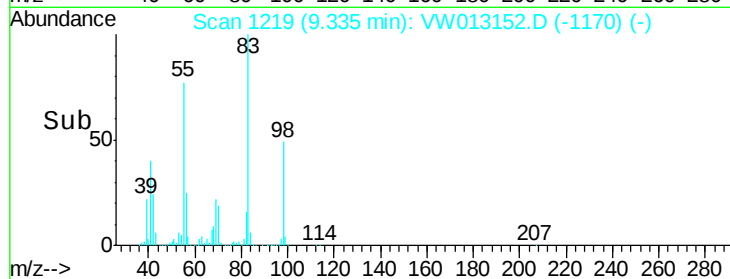
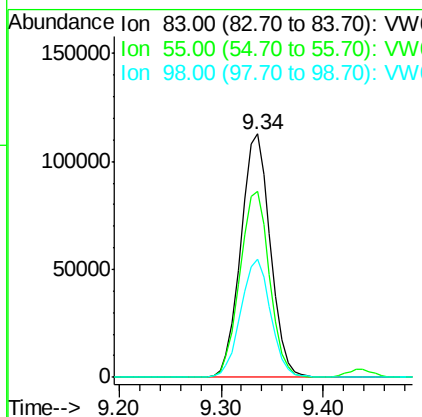
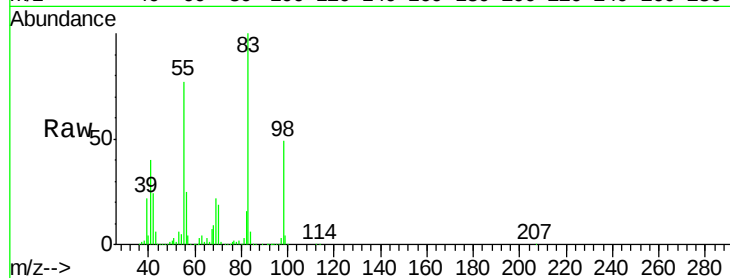
#39
Methvlcvclohexane
Concen: 55.951 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	65.9	98.9
98	48.6	39.6	59.4

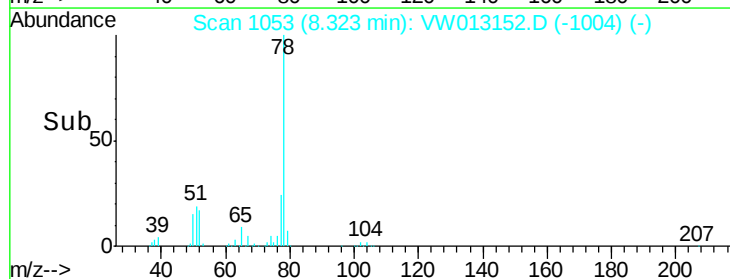
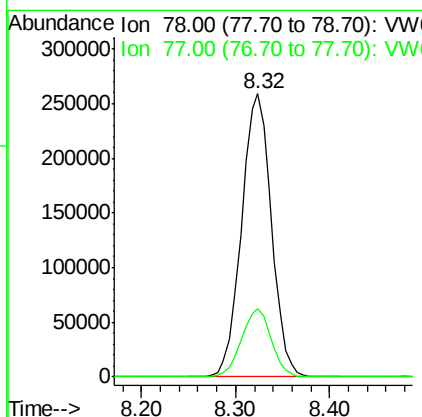
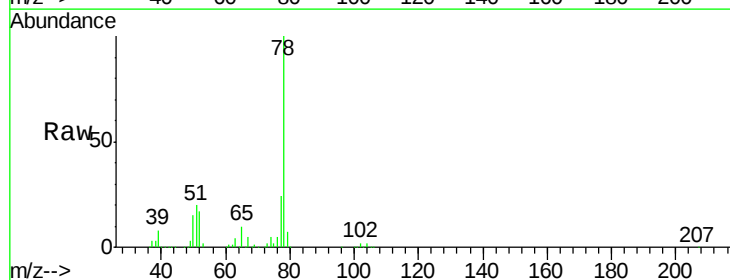
Manual Integrations
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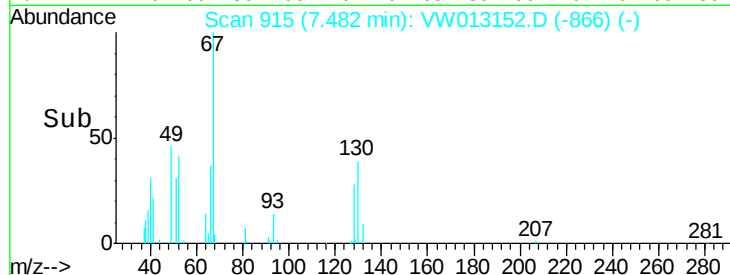
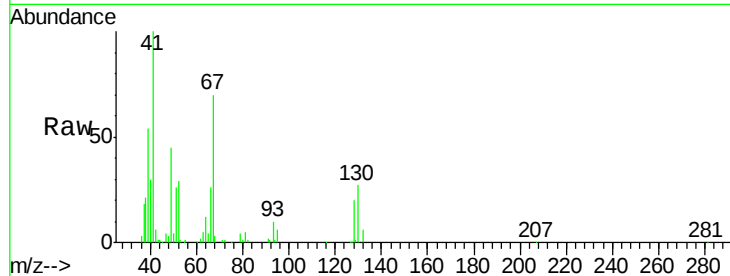
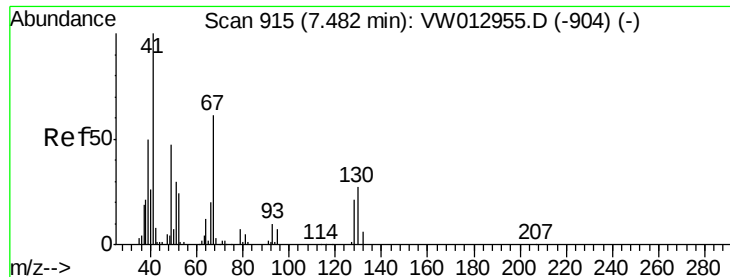
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#40
Benzene
Concen: 55.513 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.6	29.4





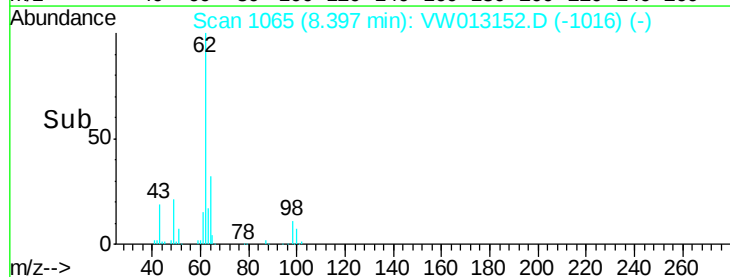
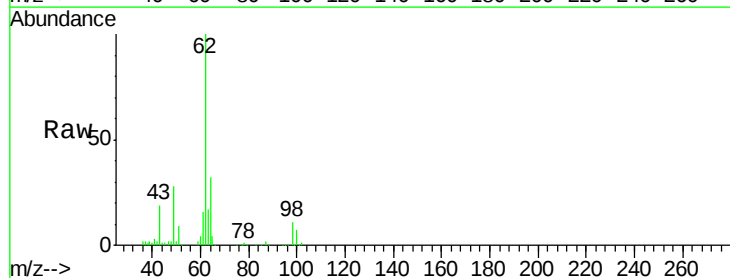
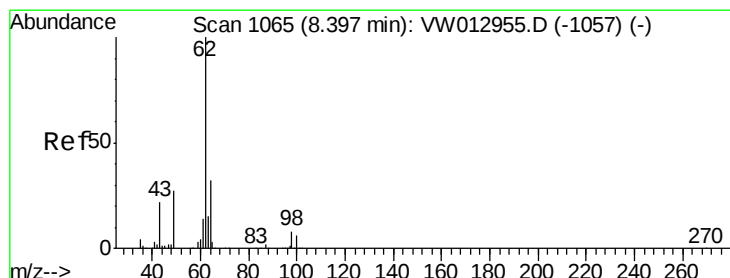
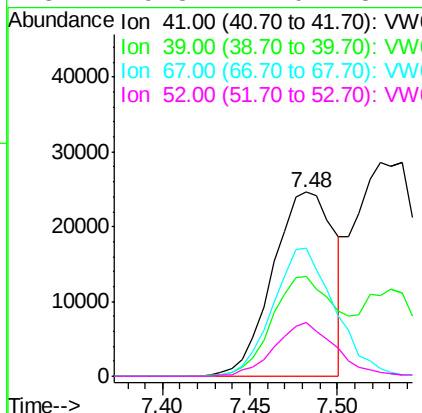
#41
Methacrylonitrile
Concen: 46.776 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tot Ion	41	Resp	60448
Ion	Ratio	Lower	Upper
41	100		
39	57.2	48.2	72.4
67	70.5	47.5	71.3
52	29.3	21.0	31.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

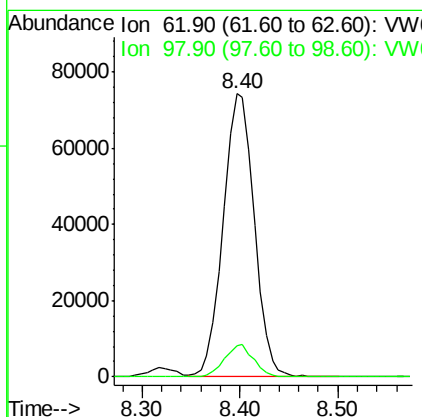
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 47.312 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	62	Resp	163690
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 50.426 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

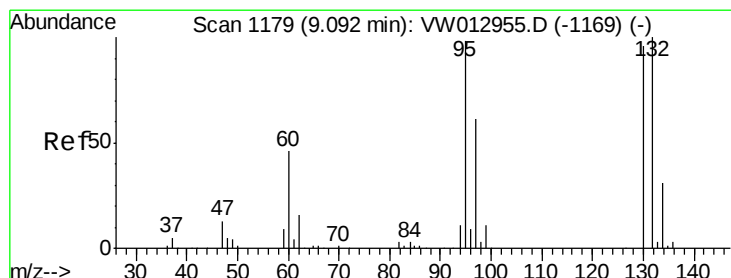
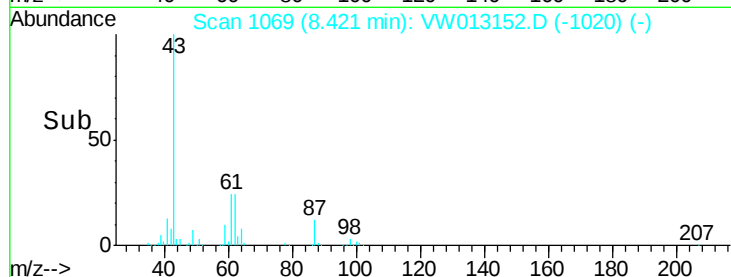
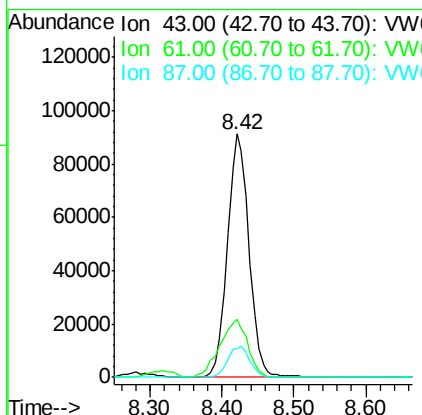
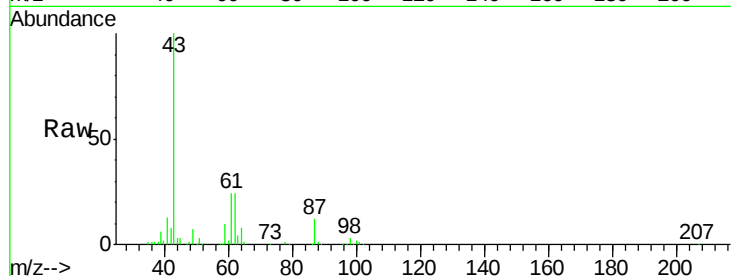
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	189995
Ion	Ratio	Lower	Upper
43	100		
61	30.8	22.7	34.1
87	13.3	9.4	14.2

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#44

Trichloroethene

Concen: 56.356 ug/l

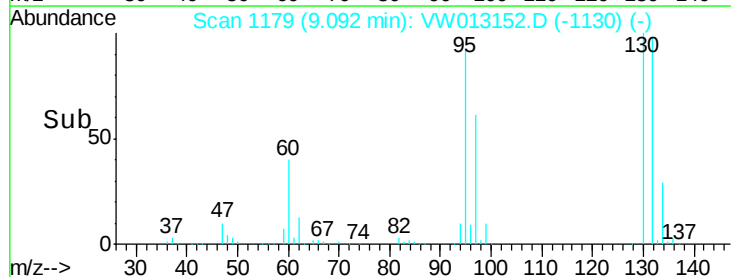
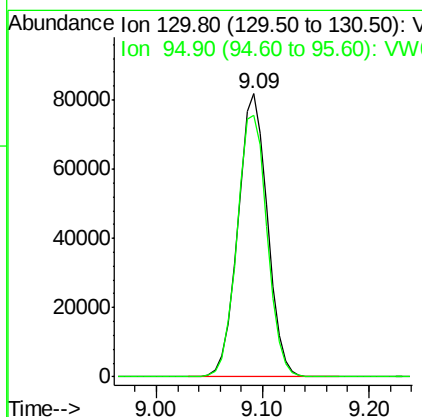
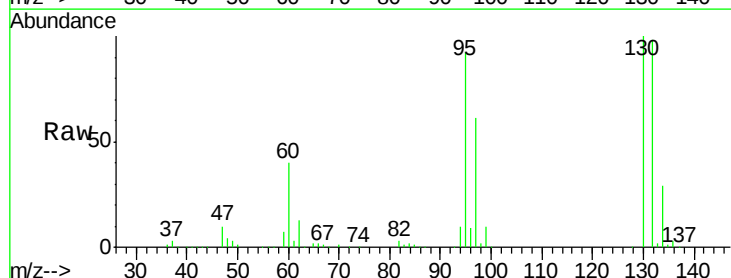
RT: 9.09 min Scan# 1179

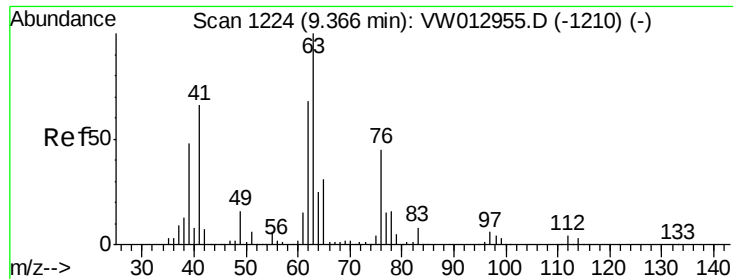
Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion:	130	Resp:	159319
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	204.4





#45

1,2-Dichloropropane

Concen: 55.805 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 153023

Ion Ratio Lower Upper

63 100

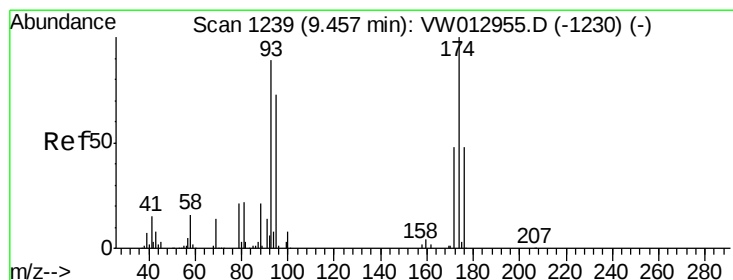
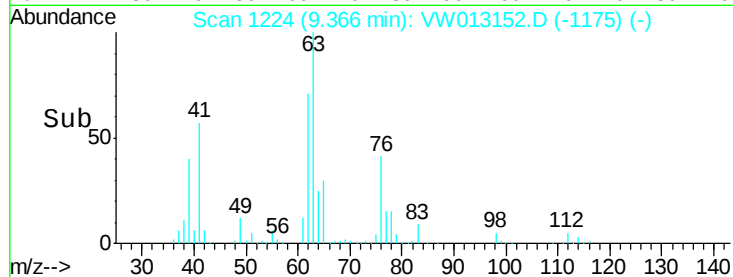
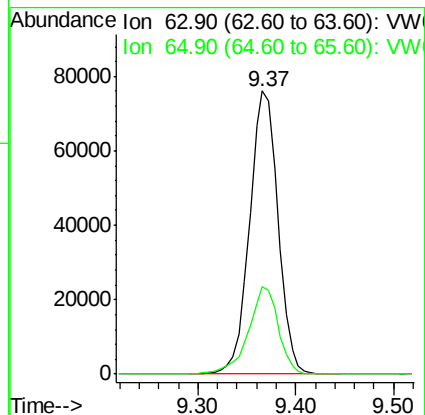
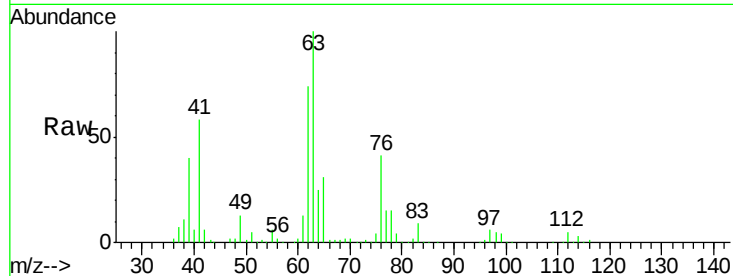
65 30.8 24.6 37.0

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#46

Dibromomethane

Concen: 54.255 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

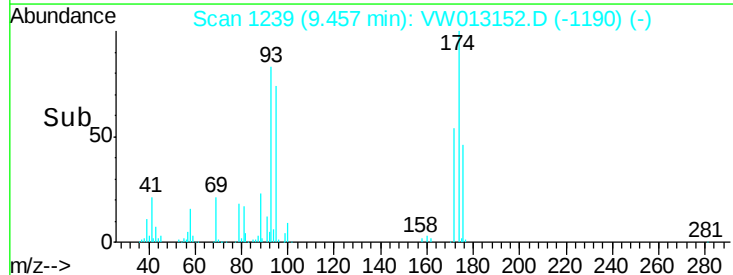
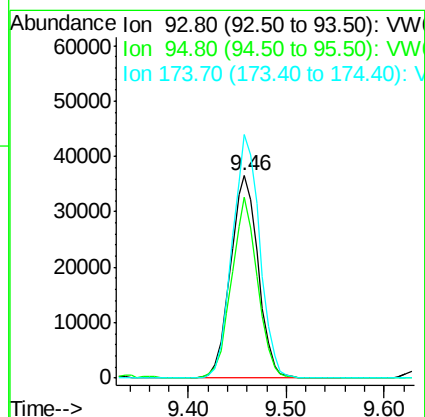
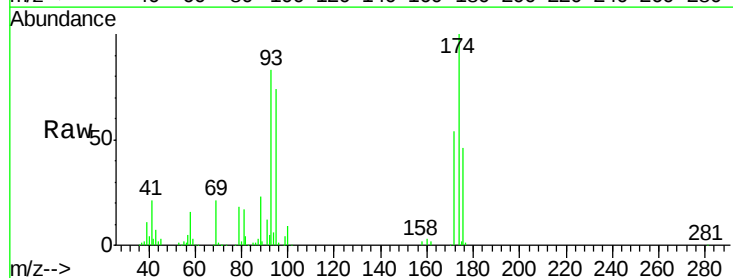
Tgt Ion: 93 Resp: 71277

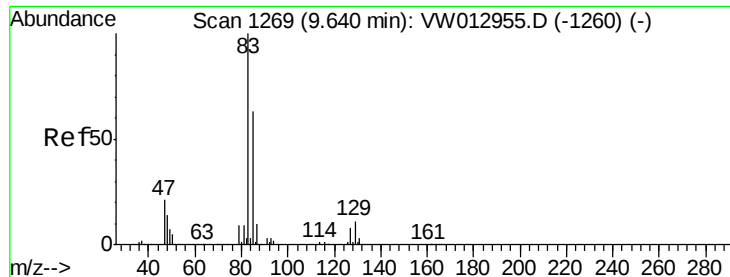
Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.4

174 119.2 90.5 135.7





#47

Bromodichloromethane

Concen: 53.576 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

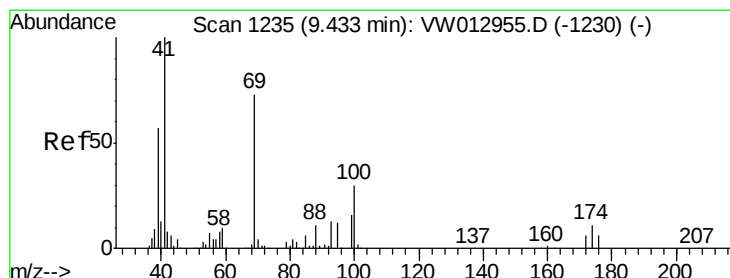
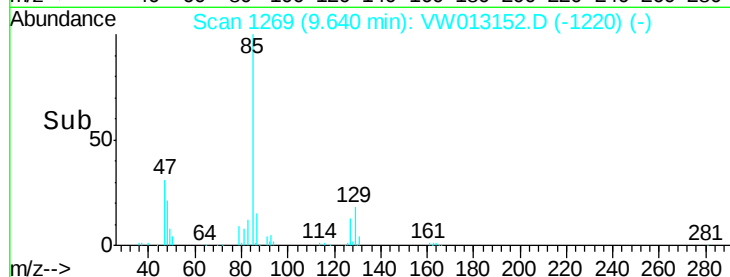
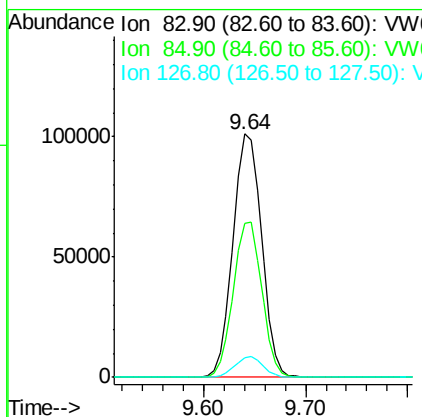
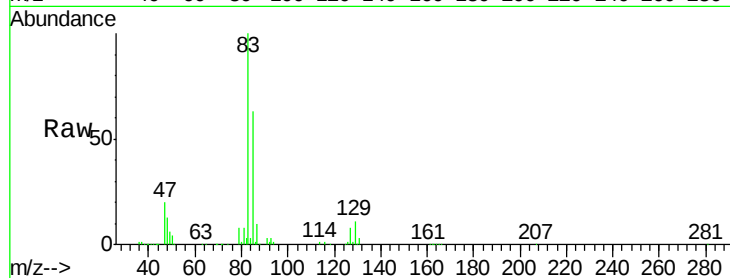
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	197432
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.6	75.8
127	8.3	6.7	10.1

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#48

Methyl methacrylate

Concen: 49.892 ug/l

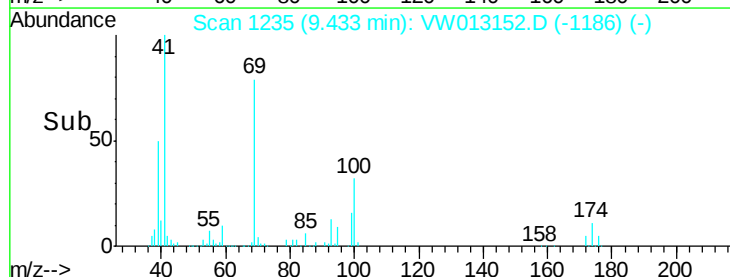
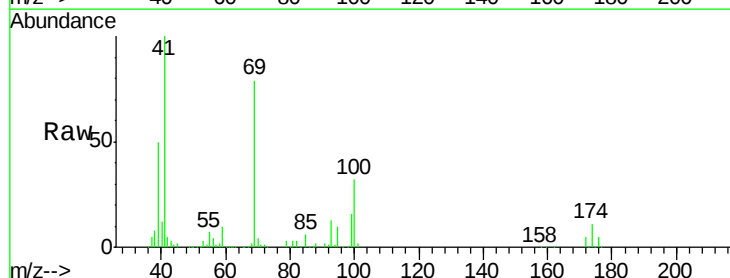
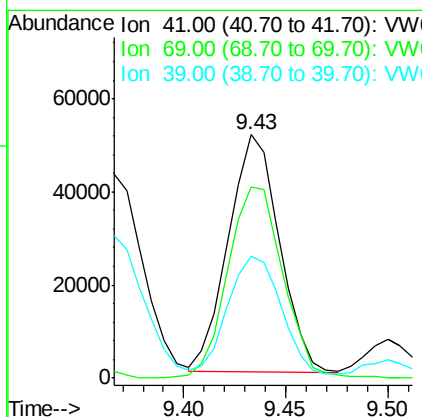
RT: 9.43 min Scan# 1235

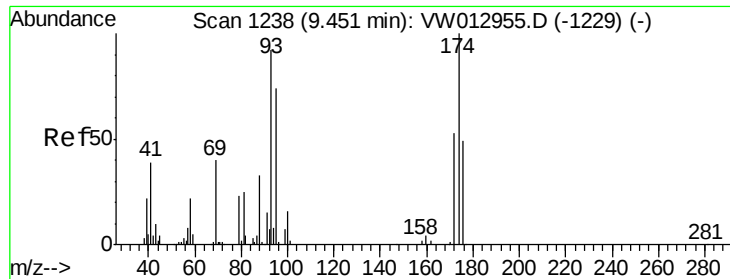
Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion:	41	Resp:	88224
Ion Ratio	Lower	Upper	
41	100		
69	87.7	62.8	94.2
39	54.9	48.5	72.7





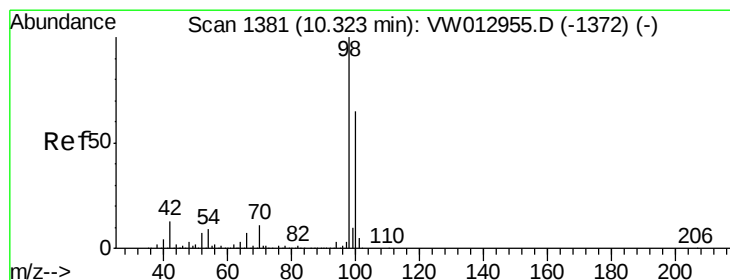
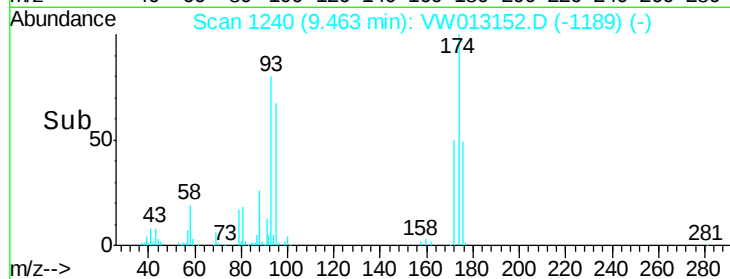
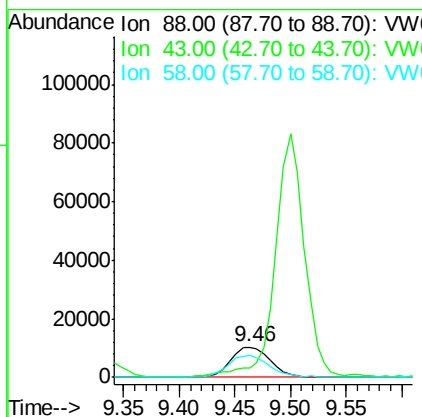
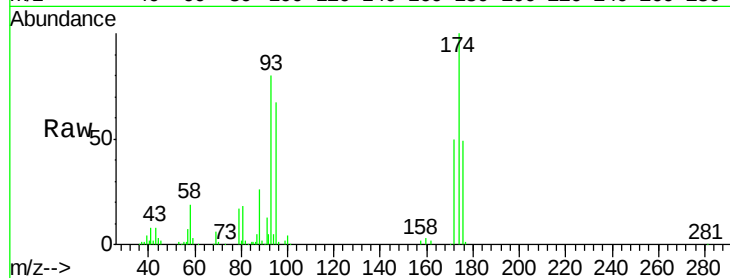
#49
1,4-Dioxane
Concen: 1159.473 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	25524
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	76.5	60.2	90.2

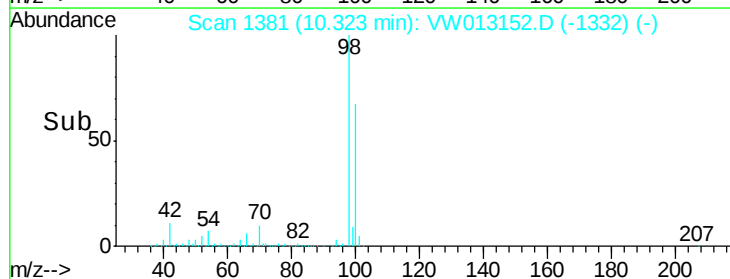
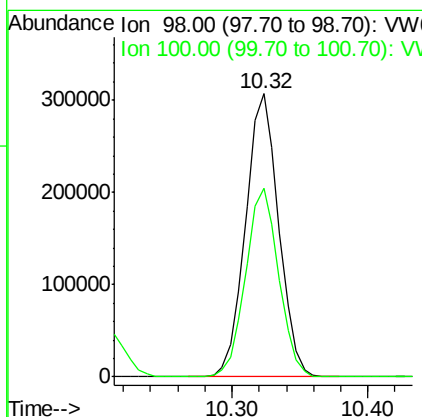
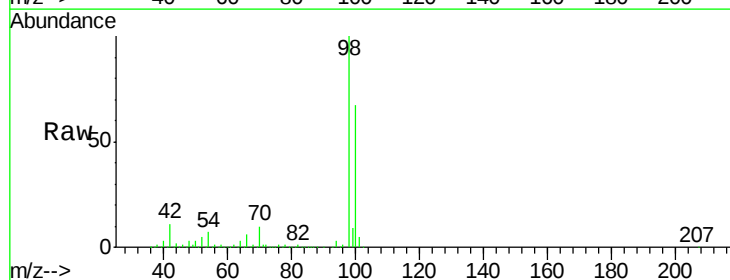
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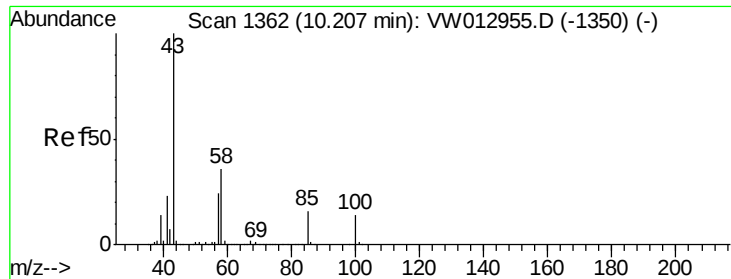
MMDadoda
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#50
Toluene-d8
Concen: 53.341 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	98	Resp	524003
Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 257.964 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 501798

Ion Ratio Lower Upper

43 100

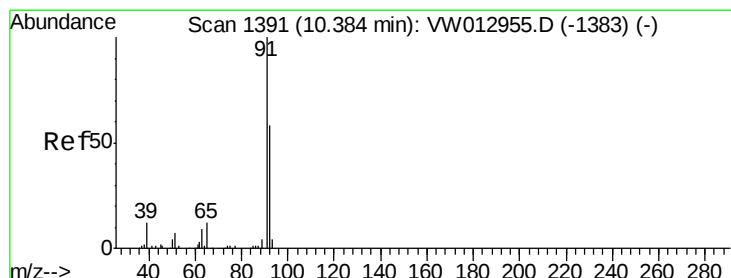
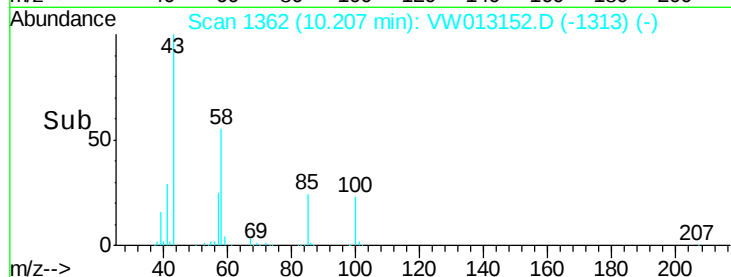
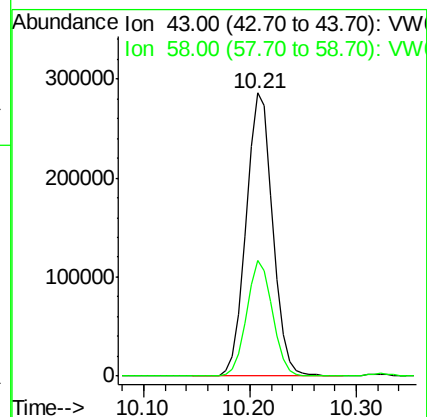
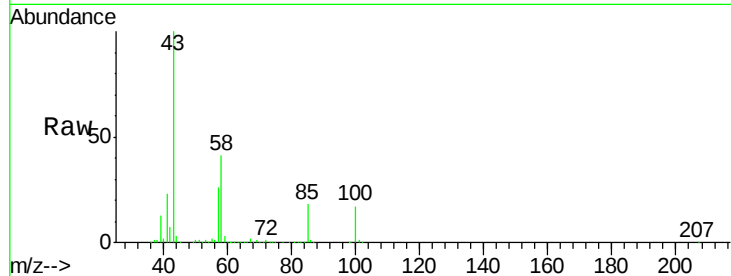
58 39.7 29.5 44.3

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#52

Toluene

Concen: 57.224 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013152.D

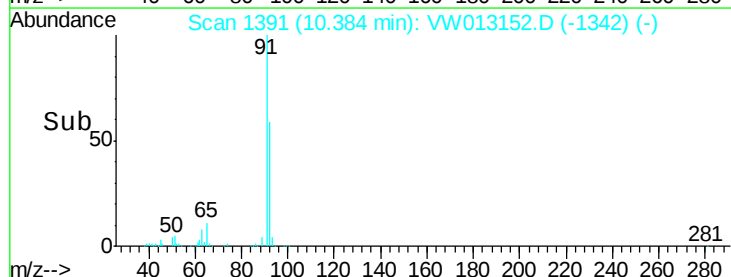
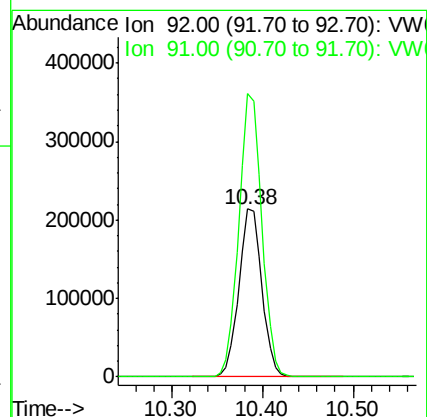
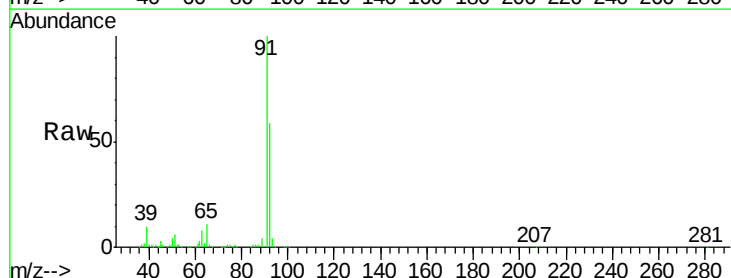
Acq: 19 Sep 2019 11:03

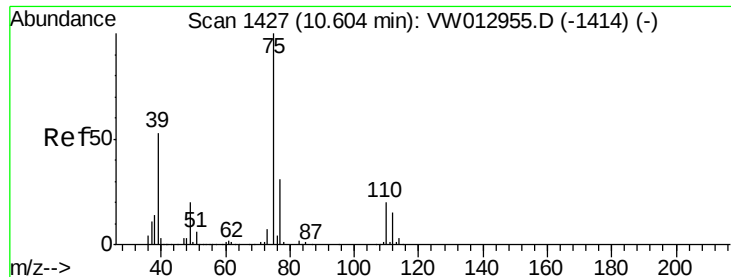
Tgt Ion: 92 Resp: 375296

Ion Ratio Lower Upper

92 100

91 169.1 137.5 206.3





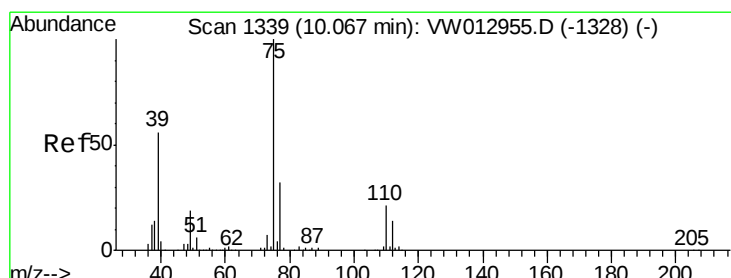
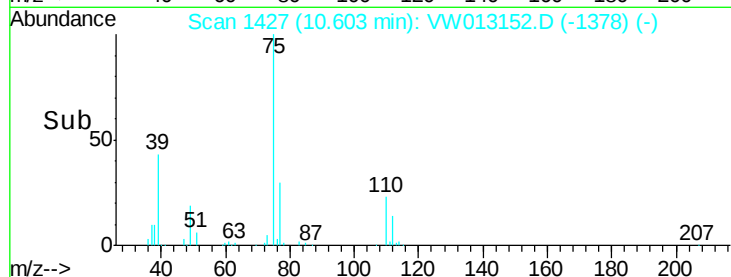
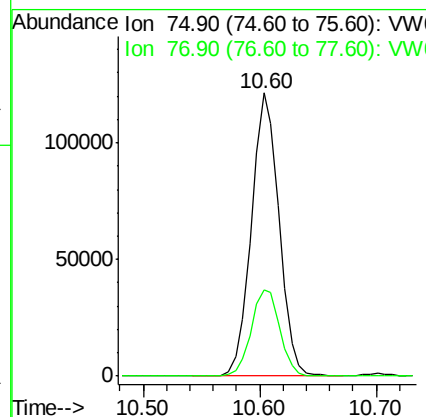
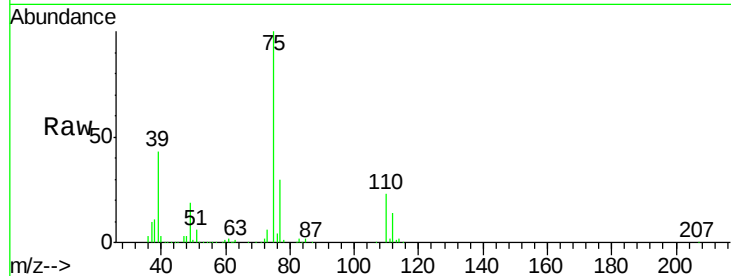
#53
t-1,3-Dichloropropene
Concen: 54.249 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.6	37.0

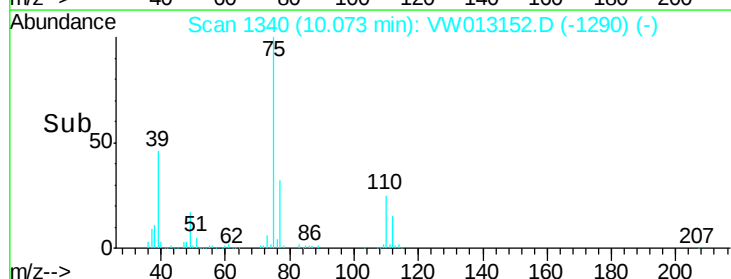
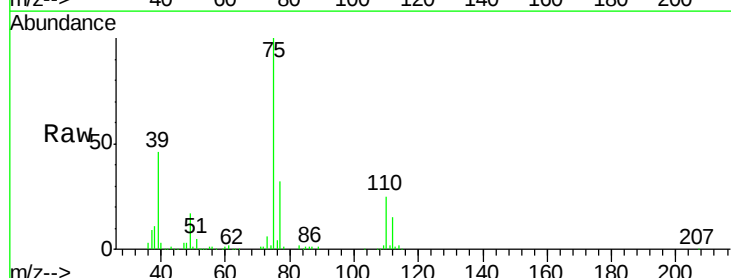
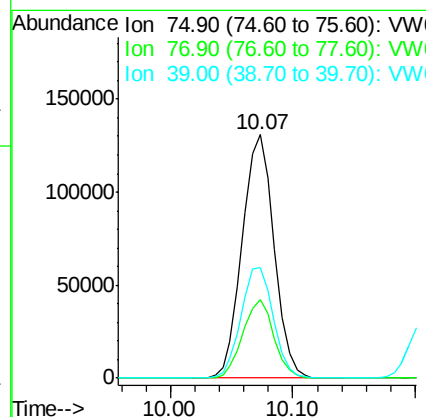
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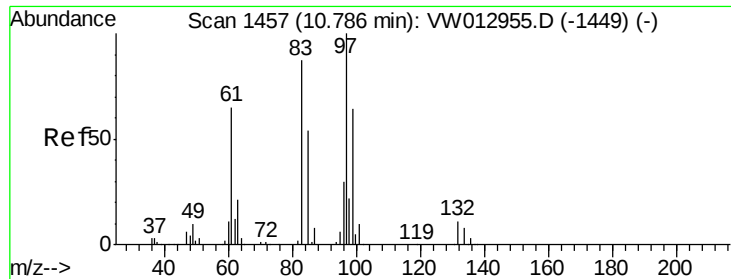
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#54
cis-1,3-Dichloropropene
Concen: 55.654 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	45.6	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 57.376 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 114829

Ion Ratio Lower Upper

97 100

83 85.8 69.4 104.0

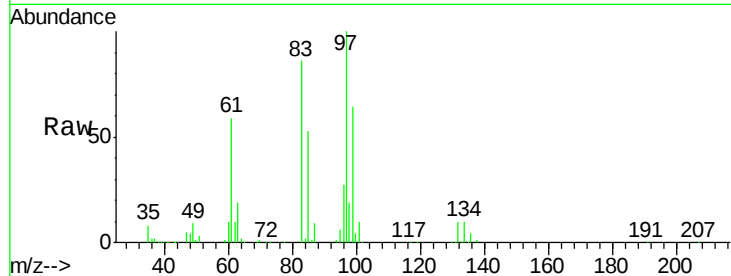
85 53.5 43.3 64.9

99 63.9 50.9 76.3

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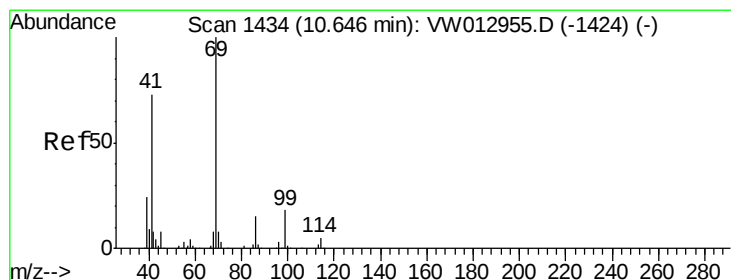
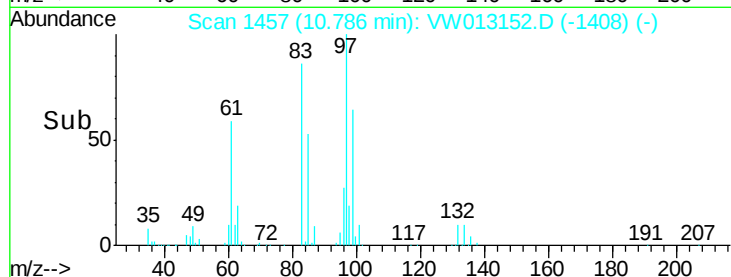
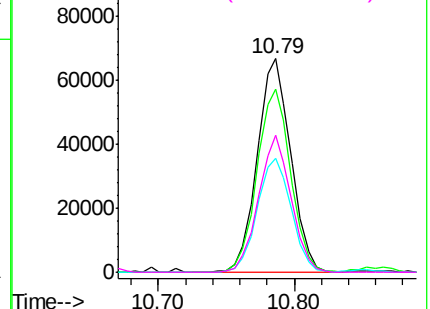
Abundance

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: 57.325 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

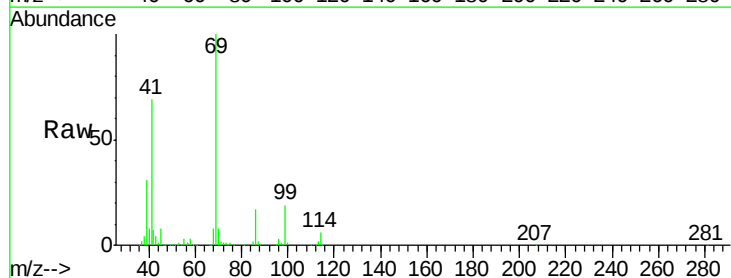
Tgt Ion: 69 Resp: 154425

Ion Ratio Lower Upper

69 100

41 67.8 60.8 91.2

39 29.6 29.4 44.0

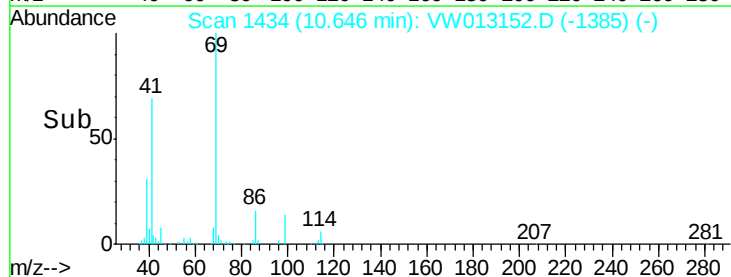
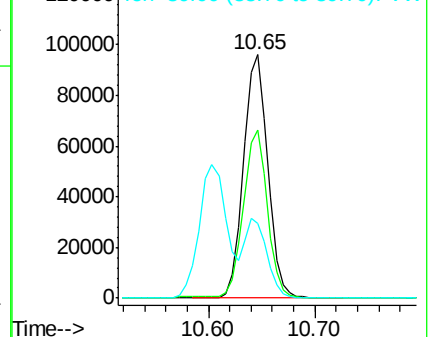


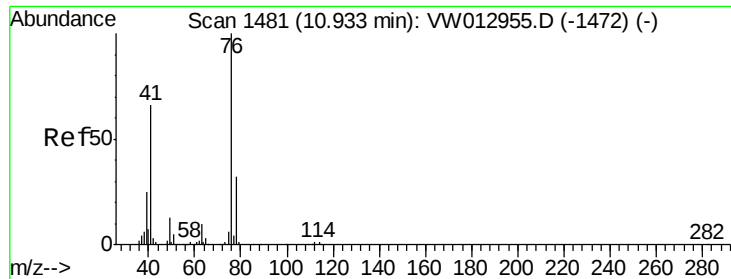
Abundance

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: 55.800 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 198101

Ion Ratio Lower Upper

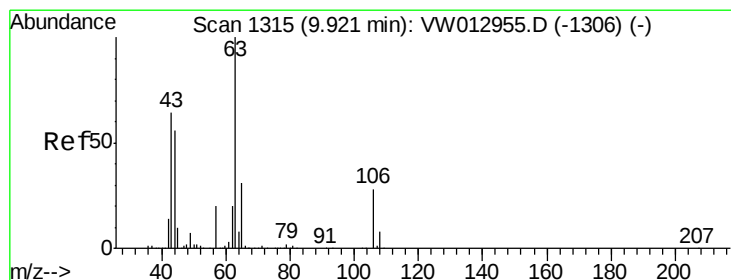
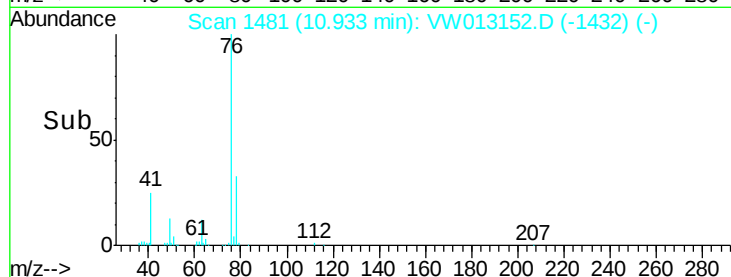
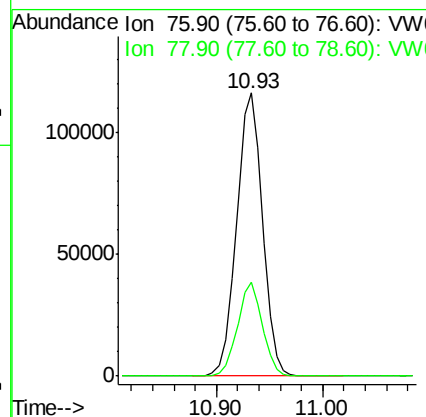
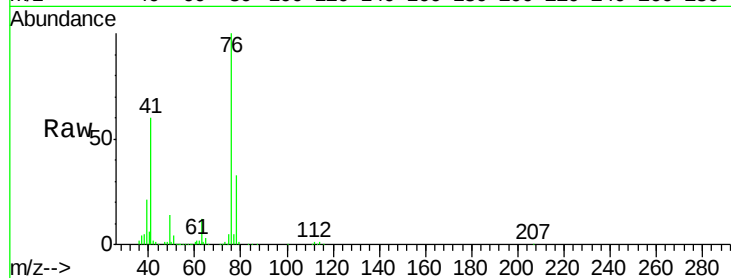
76 100

78 32.0 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 279.866 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013152.D

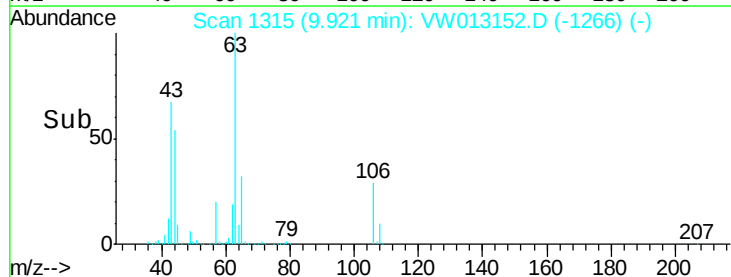
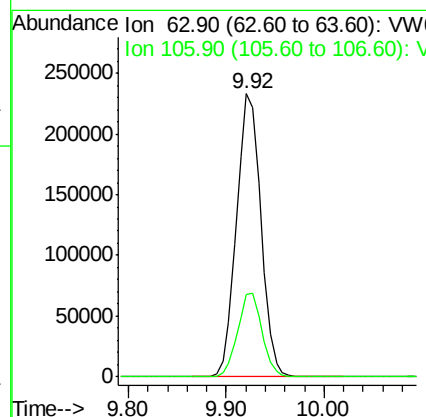
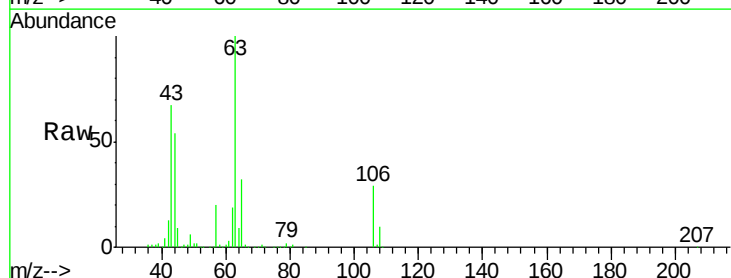
Acq: 19 Sep 2019 11:03

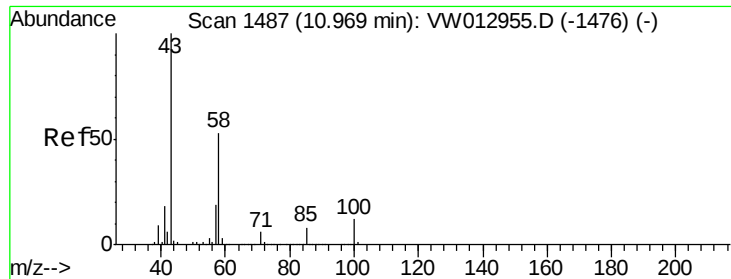
Tgt Ion: 63 Resp: 404426

Ion Ratio Lower Upper

63 100

106 29.3 22.2 33.2





#59

2-Hexanone

Concen: 264.898 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 358798

Ion Ratio Lower Upper

43 100

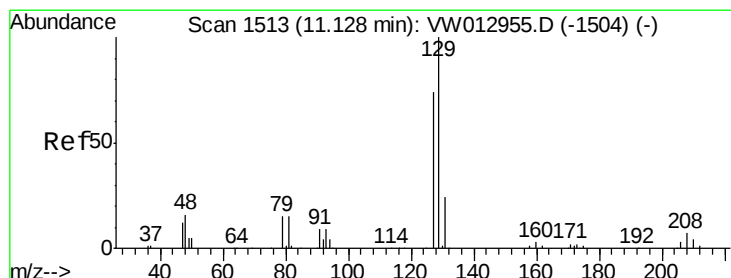
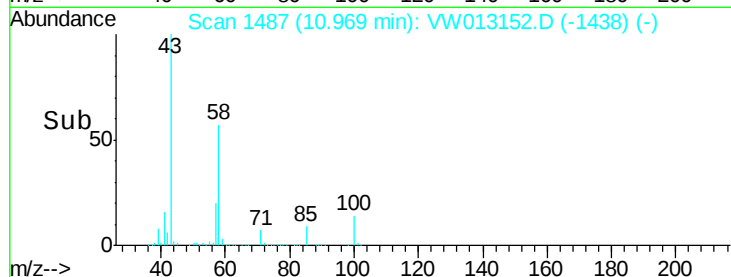
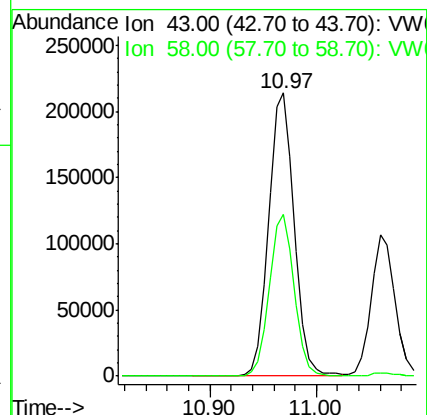
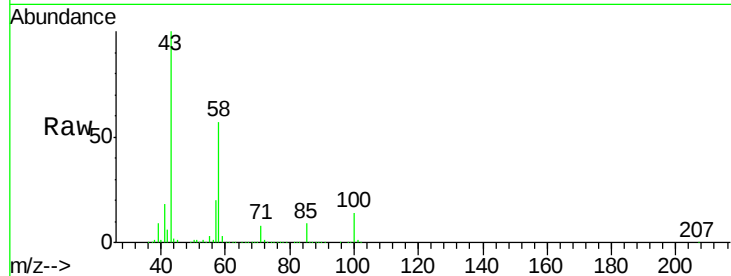
58 55.8 25.8 77.3

Manual Integrations

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9/23/2019 10:46:02 AM



#60

Dibromochloromethane

Concen: 56.235 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013152.D

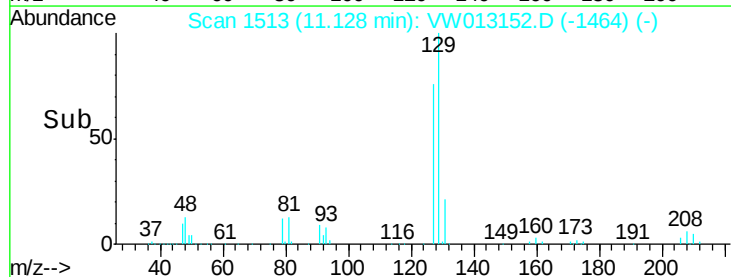
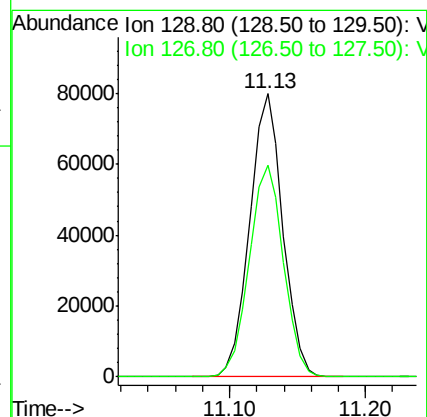
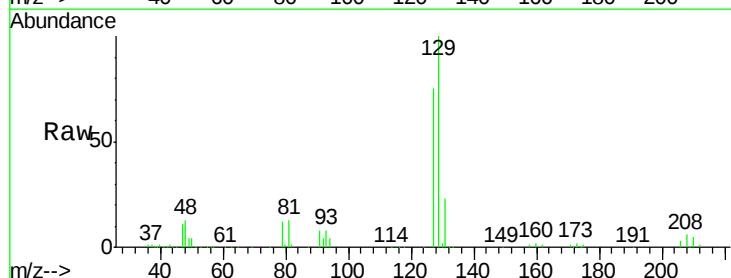
Acq: 19 Sep 2019 11:03

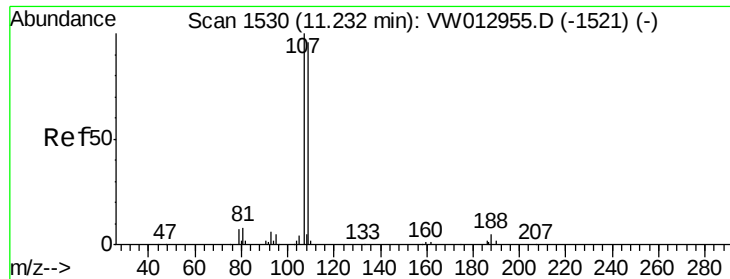
Tgt Ion: 129 Resp: 136068

Ion Ratio Lower Upper

129 100

127 77.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 58.027 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 105940

Ion Ratio Lower Upper

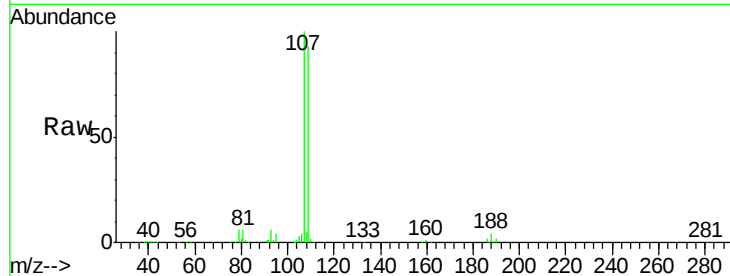
107 100

109 93.9 75.0 112.6

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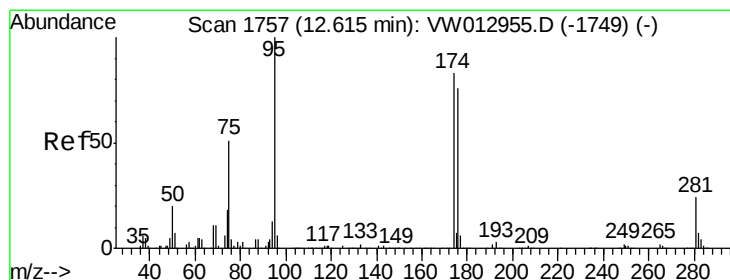
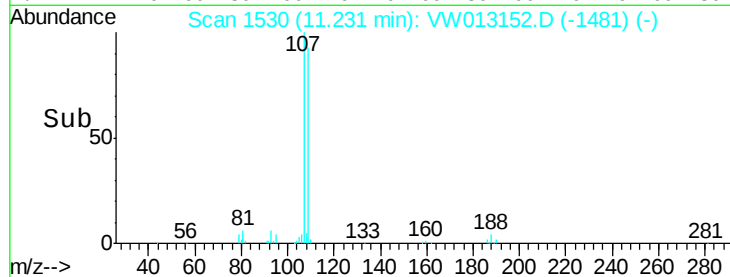
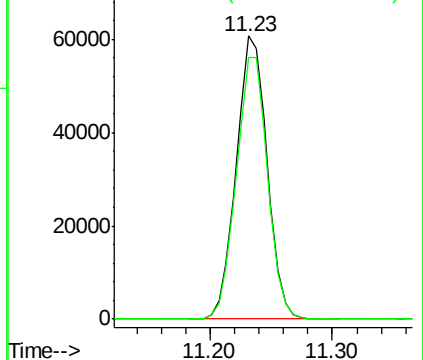
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.245 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

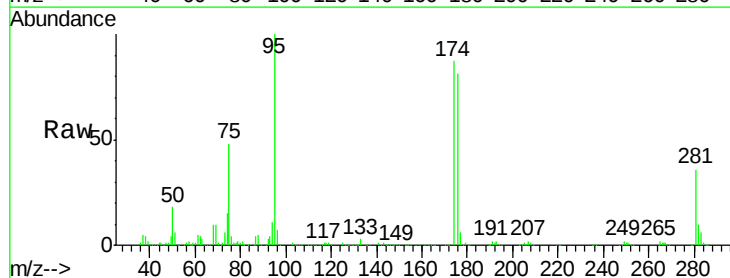
Tgt Ion: 95 Resp: 181018

Ion Ratio Lower Upper

95 100

174 88.5 0.0 170.4

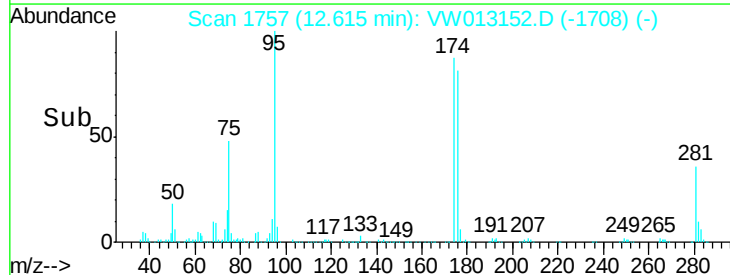
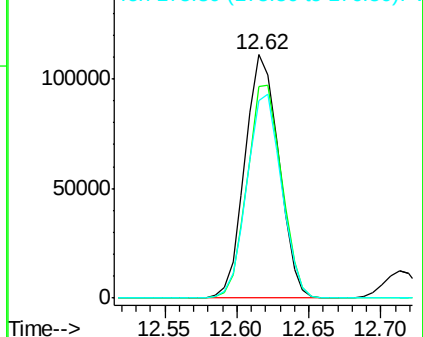
176 84.8 0.0 164.6

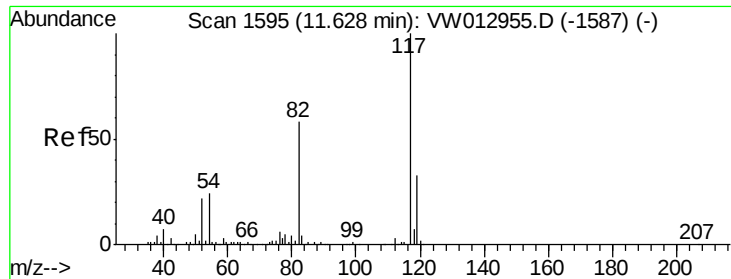


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





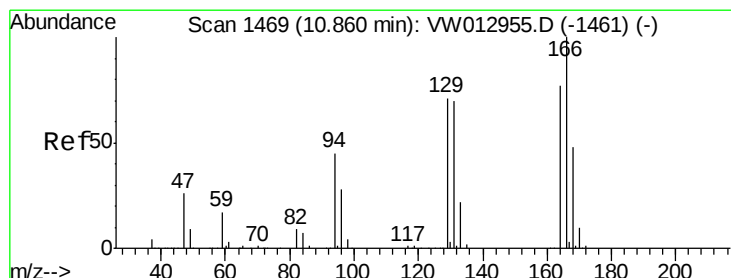
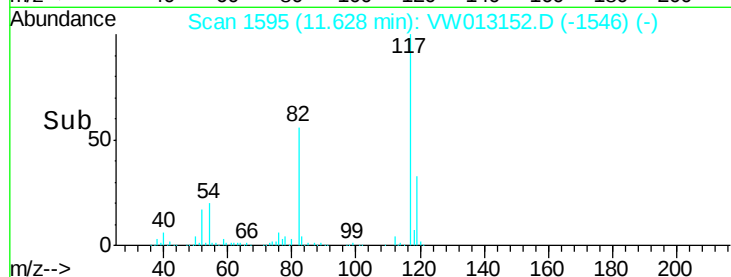
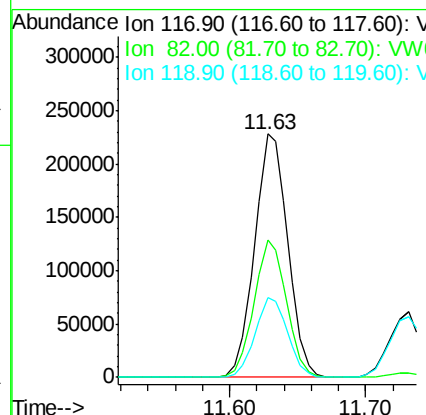
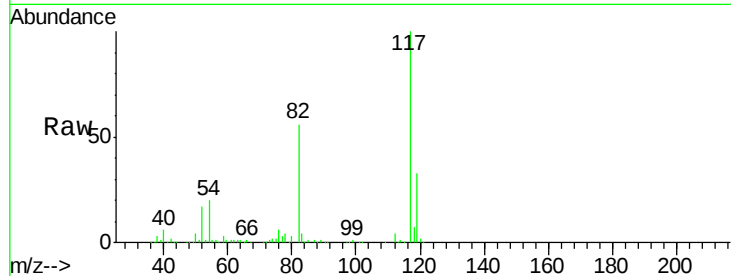
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.3	69.5
119	32.5	26.2	39.4

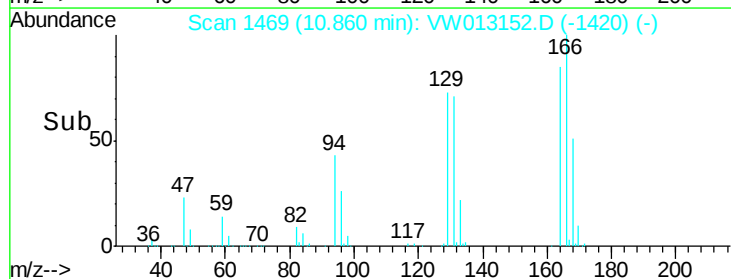
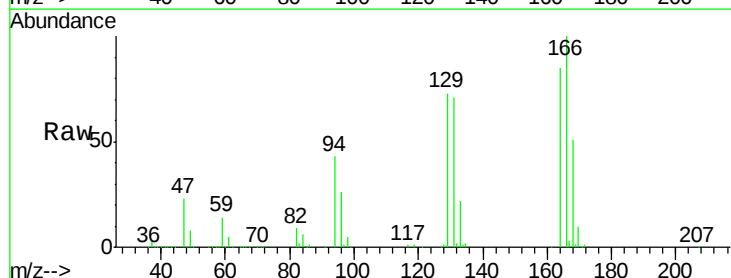
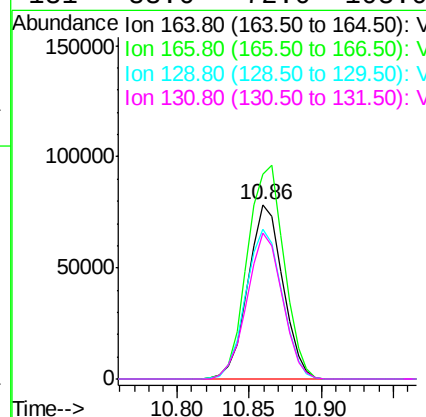
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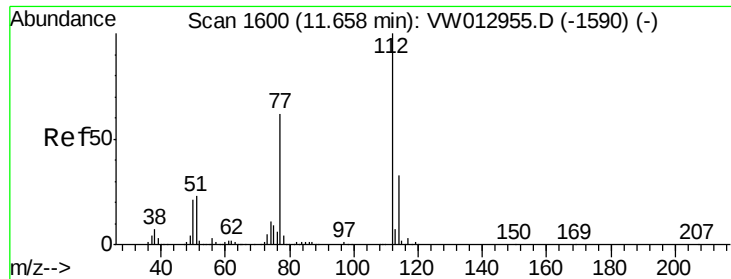
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#64
Tetrachloroethene
Concen: 56.631 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.2	103.3	154.9
129	85.9	73.8	110.8
131	83.6	72.0	108.0





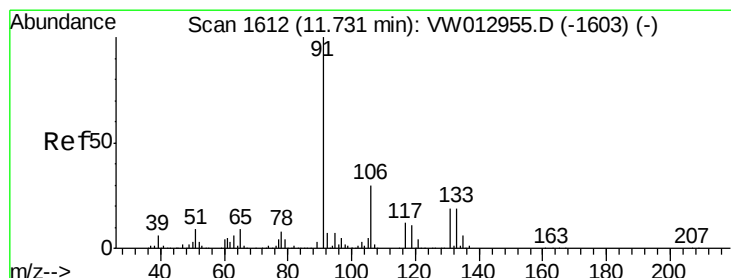
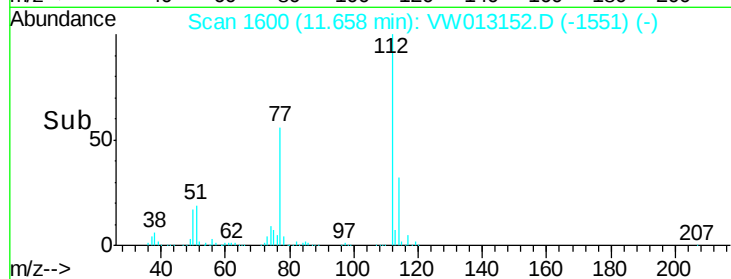
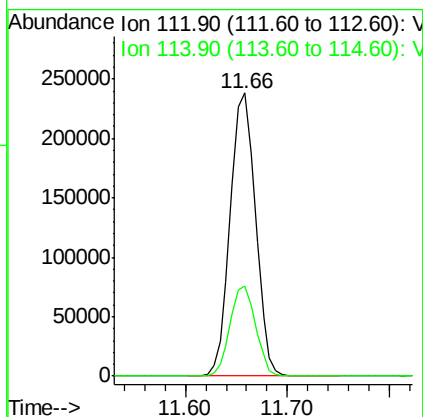
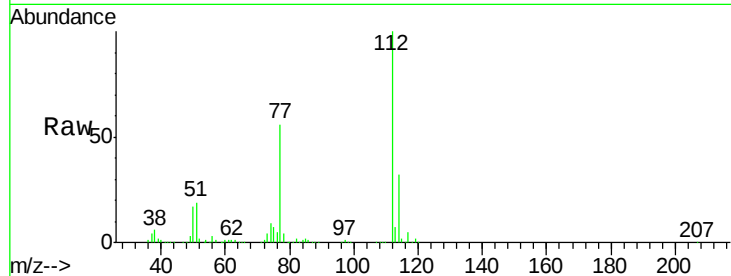
#65
Chlorobenzene
Concen: 58.802 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.4	39.6

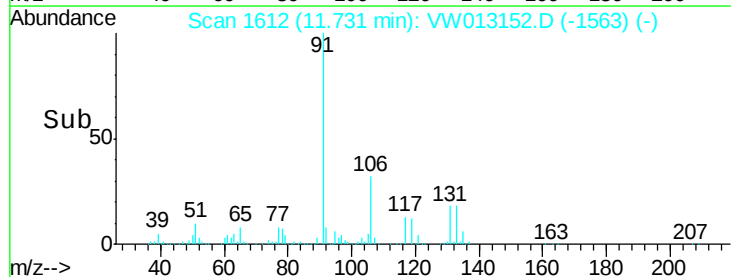
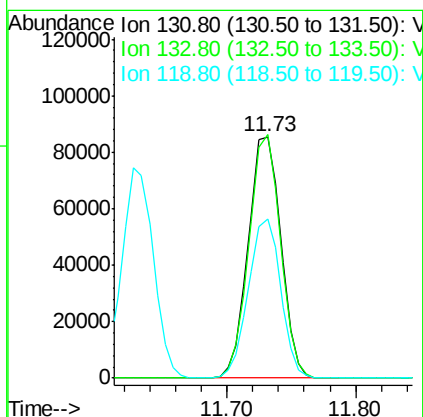
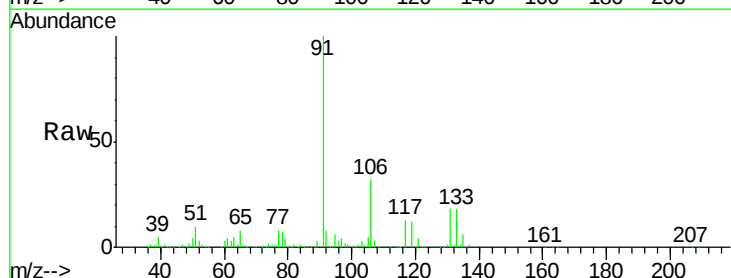
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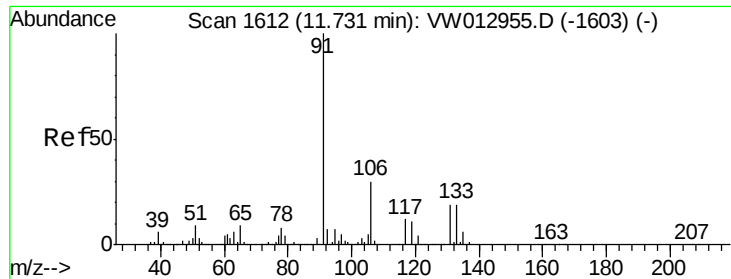
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.322 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.9	143.8
119	65.1	30.9	92.7





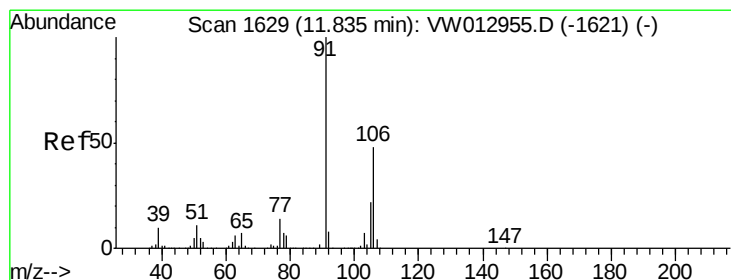
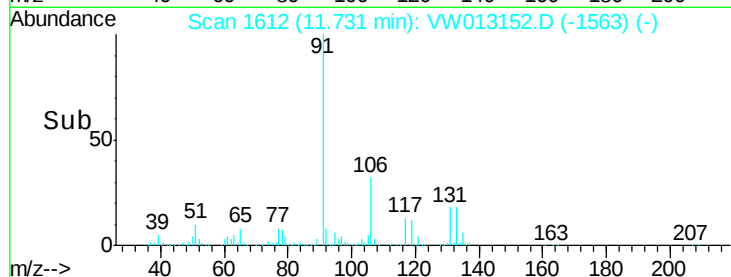
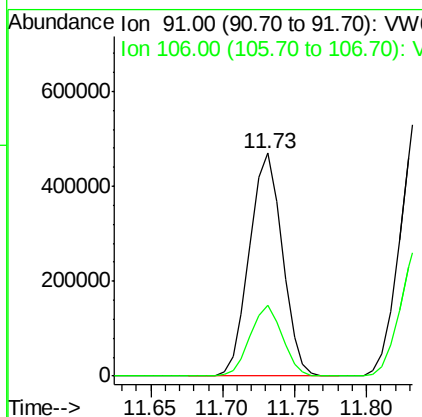
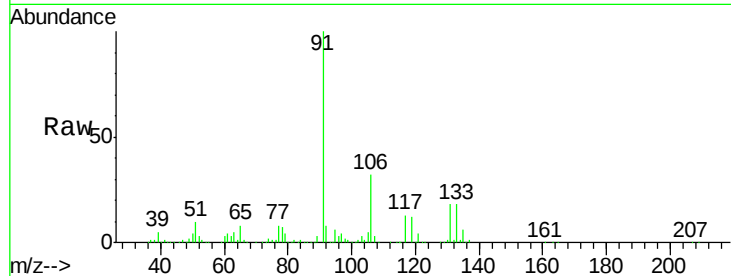
#67
Ethyl Benzene
Concen: 57.999 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 744513
Ion Ratio Lower Upper
91 100
106 31.9 24.3 36.5

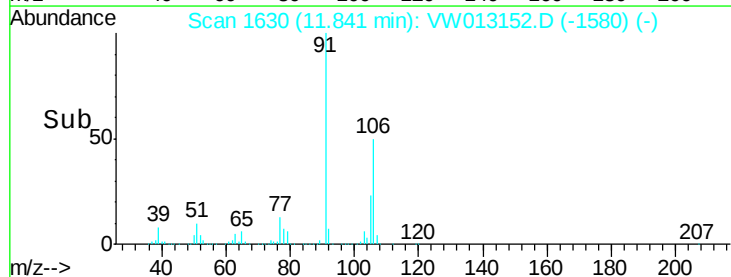
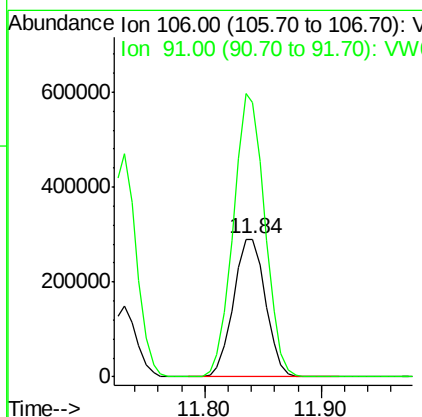
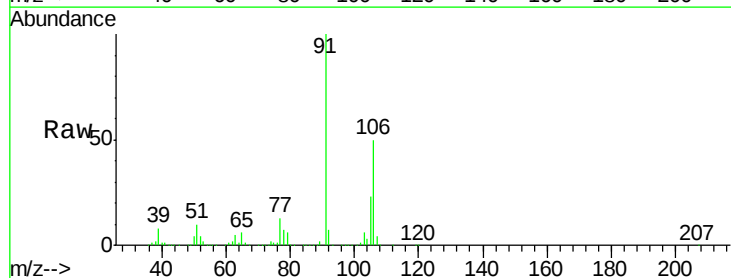
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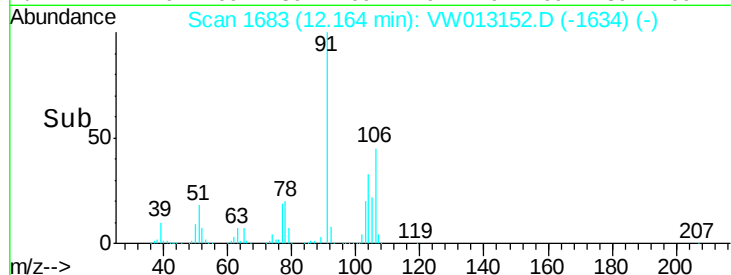
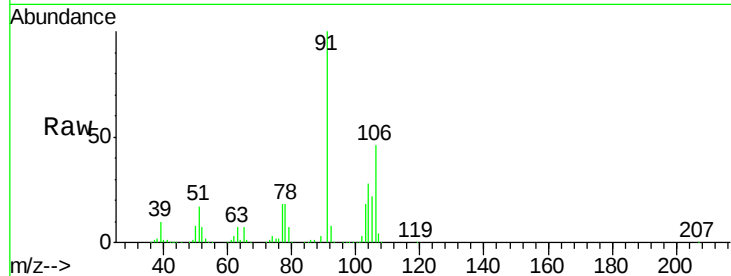
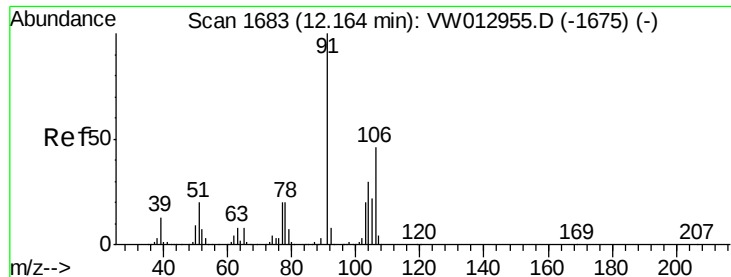
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#68
m/p-Xylenes
Concen: 119.791 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion: 106 Resp: 561748
Ion Ratio Lower Upper
106 100
91 199.4 165.8 248.8





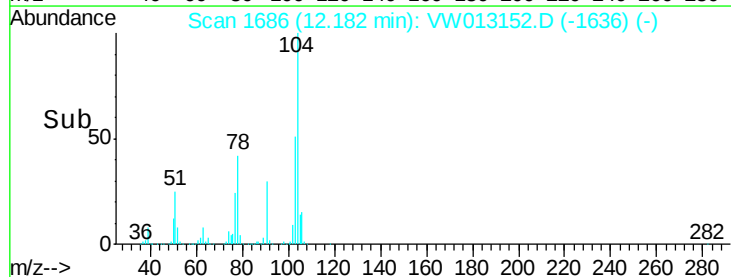
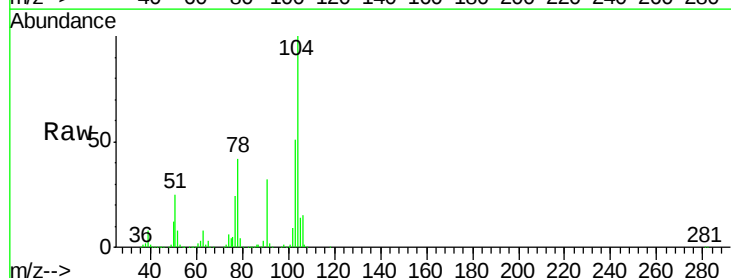
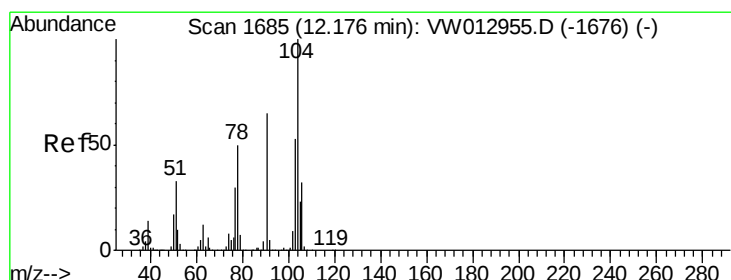
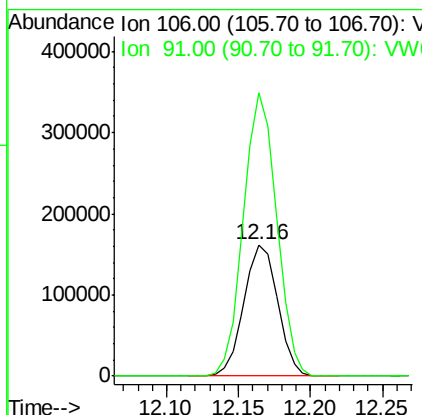
#69
o-Xylene
Concen: 59.849 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tot Ion:106 Resp: 263119
Ion Ratio Lower Upper
106 100
91 212.1 109.7 329.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

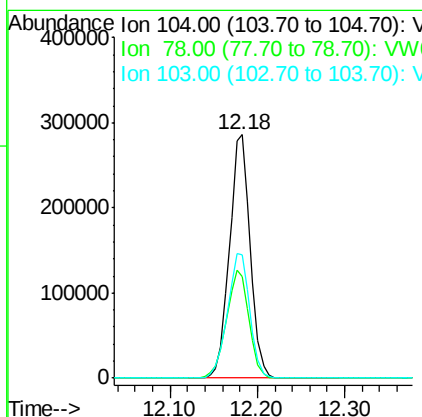
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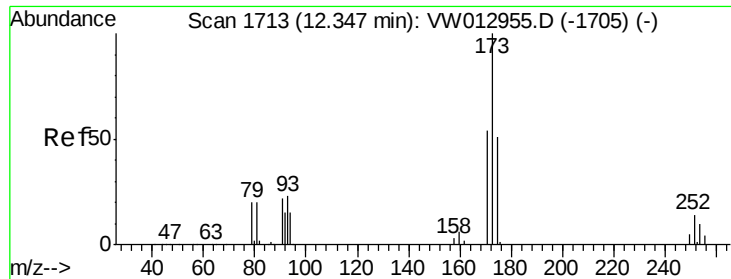
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#70
Styrene
Concen: 60.295 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion:104 Resp: 471547
Ion Ratio Lower Upper
104 100
78 47.8 42.1 63.1
103 55.1 44.2 66.4





#71

Bromoform

Concen: 58.608 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

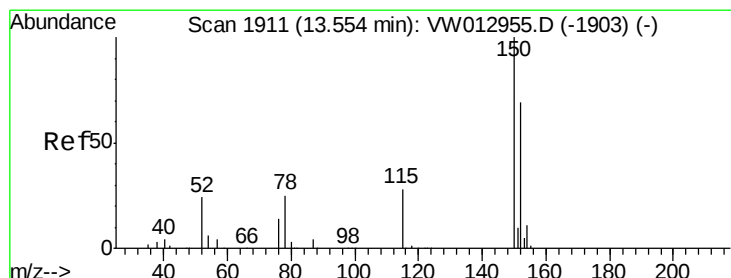
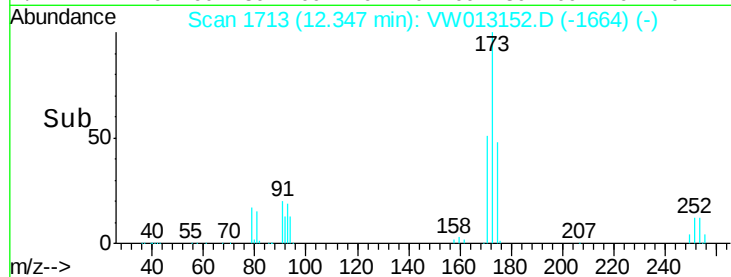
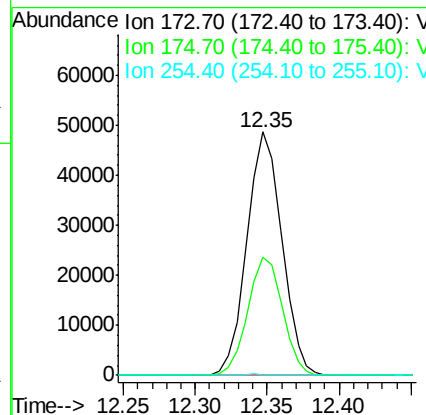
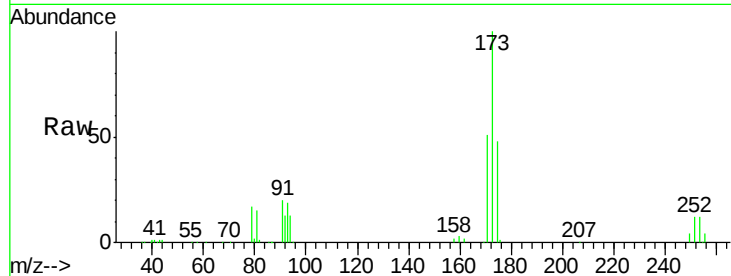
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.2	0.1	0.1#

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9/23/2019 10:46:02 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

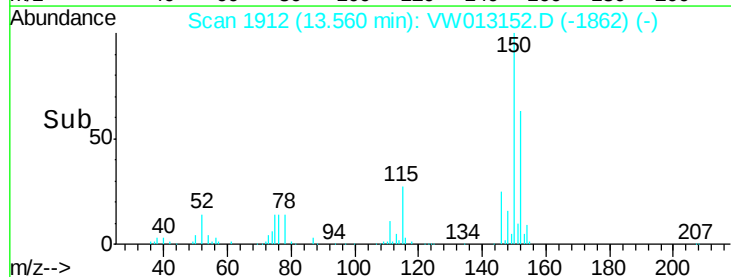
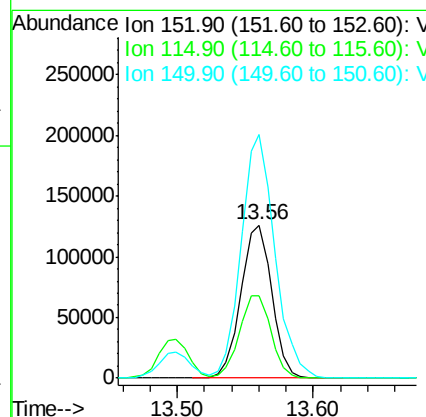
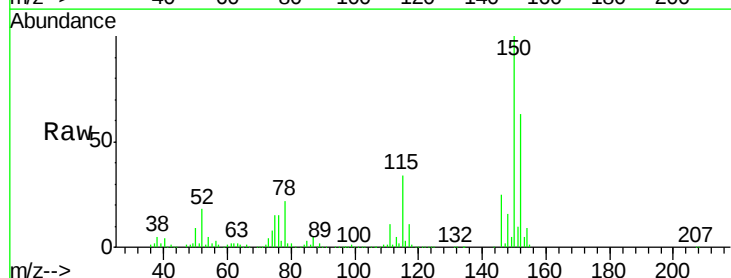
RT: 13.56 min Scan# 1912

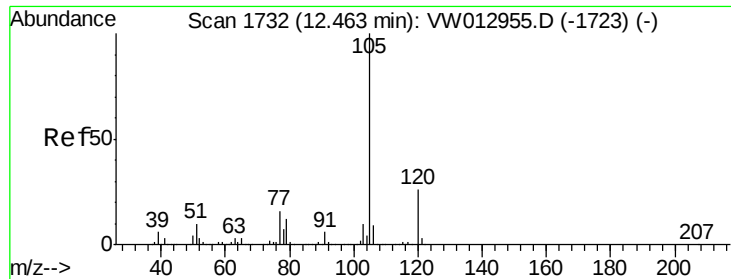
Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.8	86.4
150	173.1	0.0	340.2





#73

Isopropylbenzene

Concen: 57.534 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 761721

Ion Ratio Lower Upper

105 100

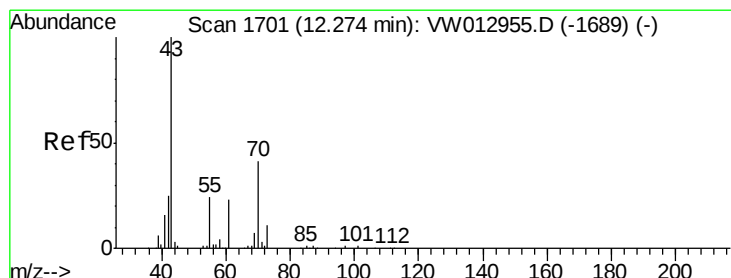
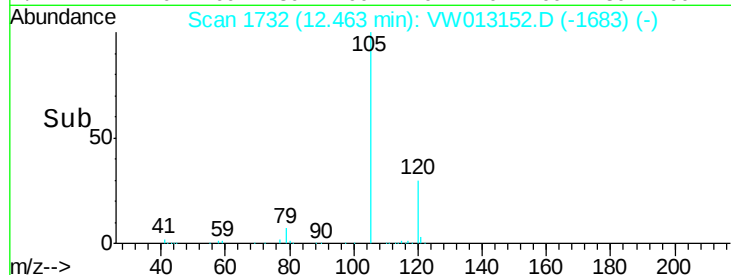
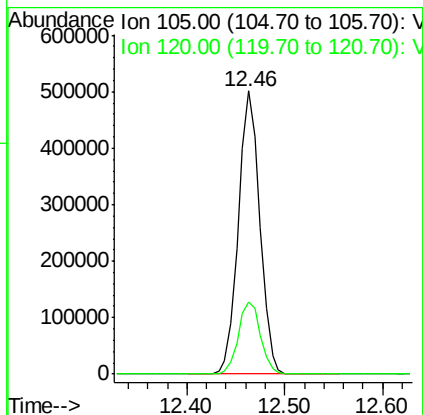
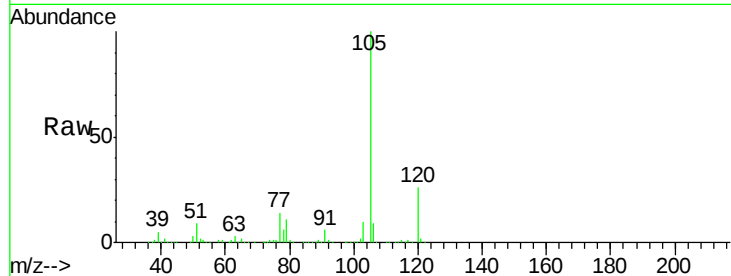
120 26.3 13.0 39.0

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9/23/2019 10:46:02 AM



#74

N-ethyl acetate

Concen: 53.027 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion: 43 Resp: 180595

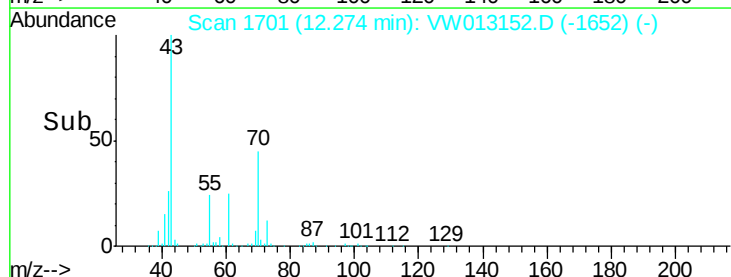
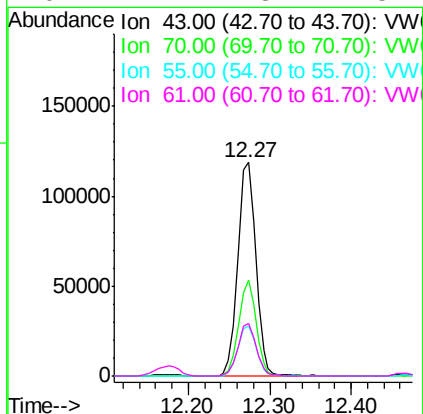
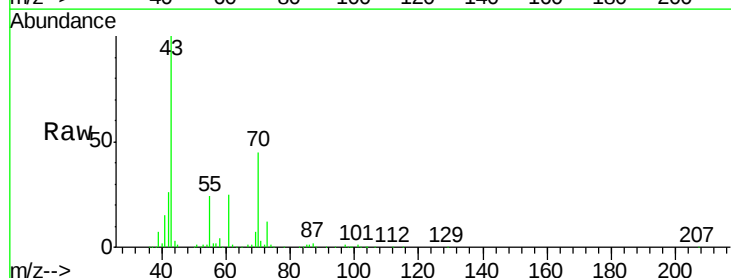
Ion Ratio Lower Upper

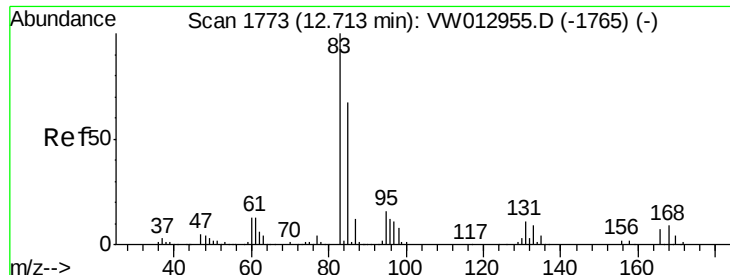
43 100

70 43.4 31.7 47.5

55 24.1 19.4 29.2

61 24.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 59.568 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

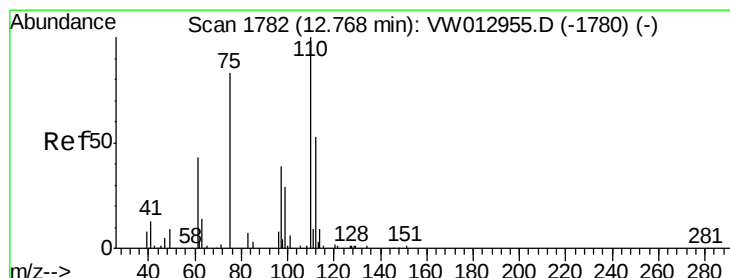
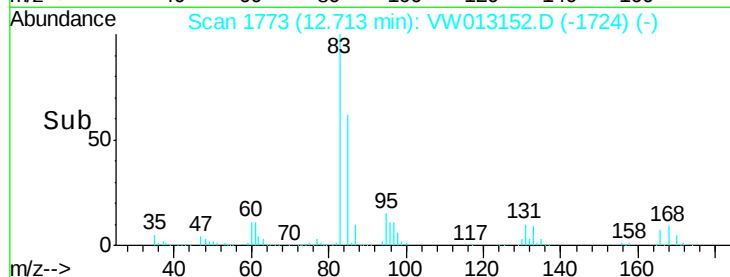
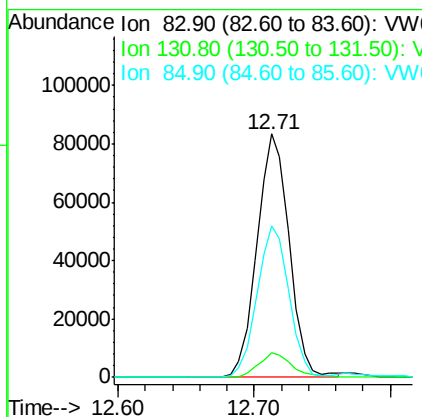
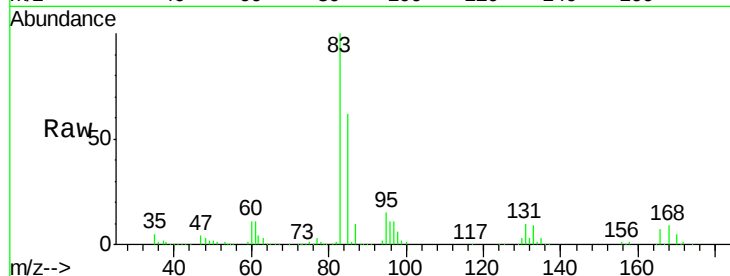
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	138516
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.7	17.1
85	61.6	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 50.239 ug/l m

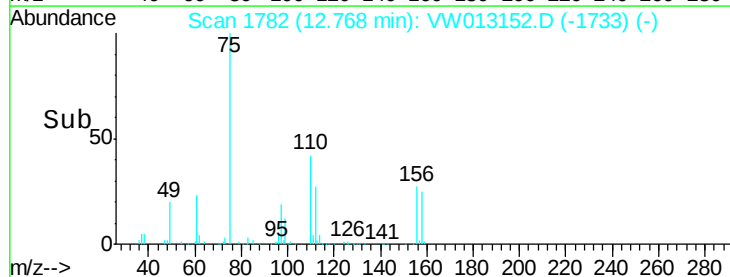
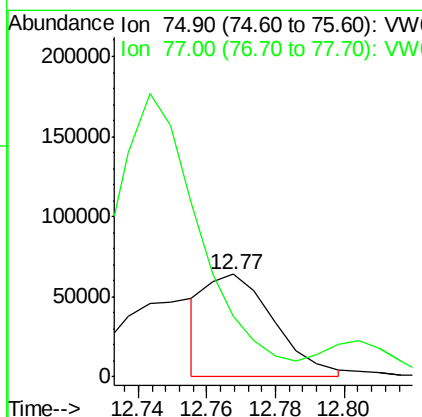
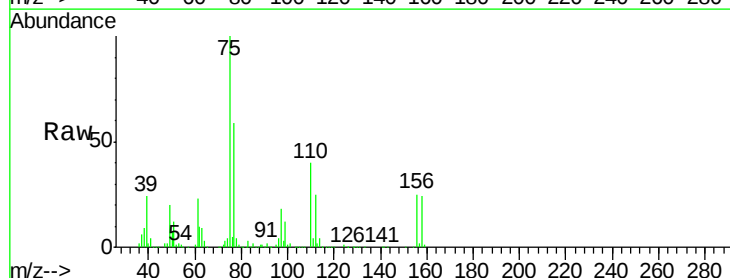
RT: 12.77 min Scan# 1782

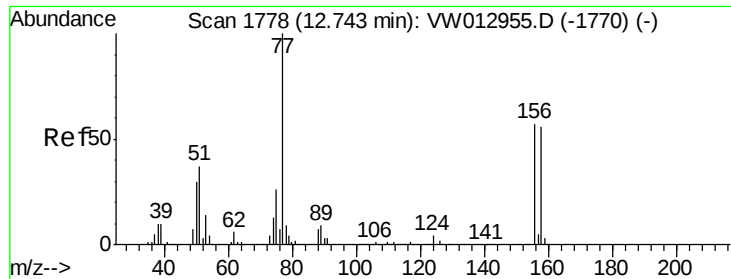
Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion:	75	Resp:	87897
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 58.174 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

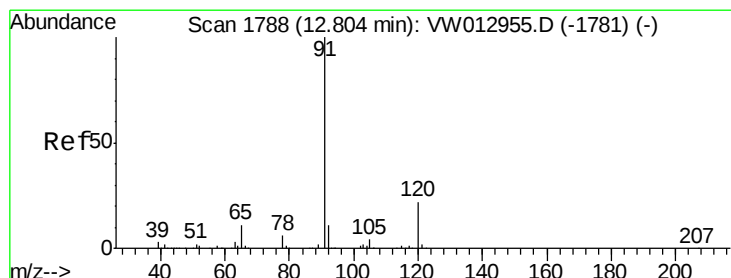
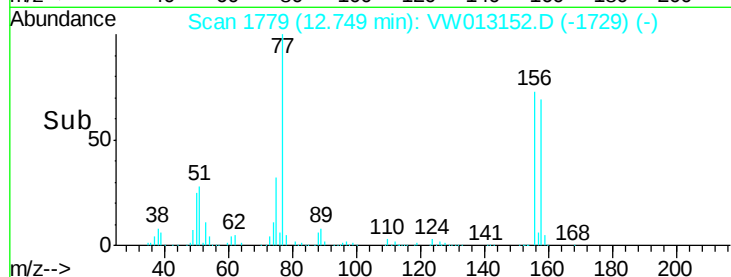
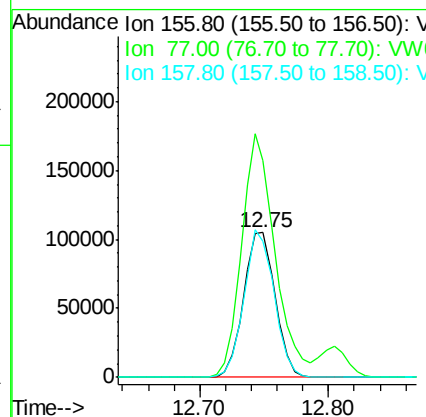
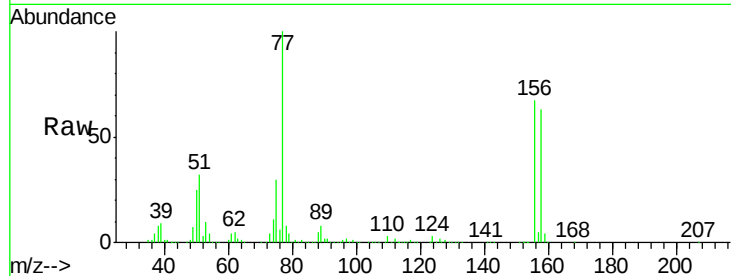
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		177433		
77	177.8	95.2	285.6		
158	96.6	49.0	147.2		

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#78

n-propylbenzene

Concen: 56.400 ug/l

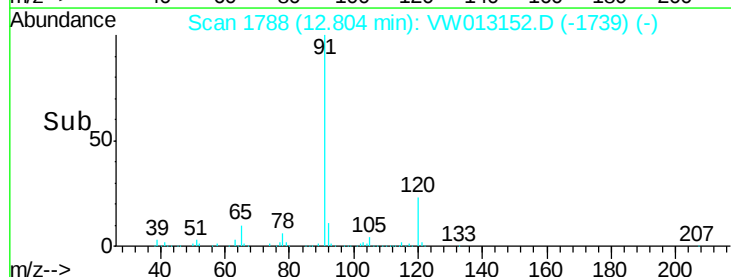
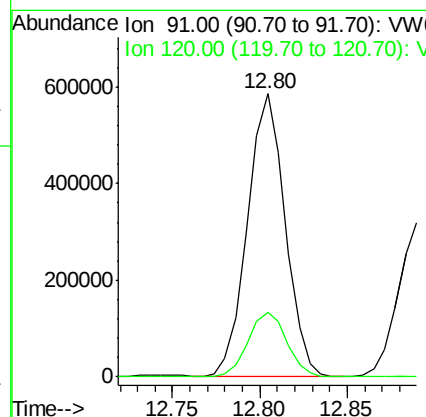
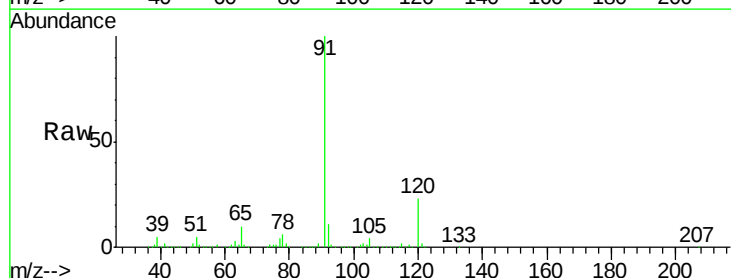
RT: 12.80 min Scan# 1788

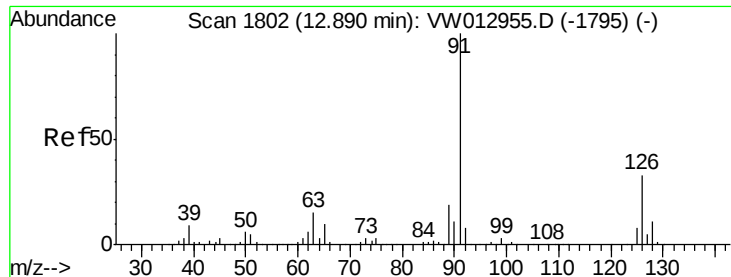
Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		878346		
120	23.4	11.2	33.5		





#79

2-Chlorotoluene

Concen: 55.759 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 499189

Ion Ratio Lower Upper

91 100

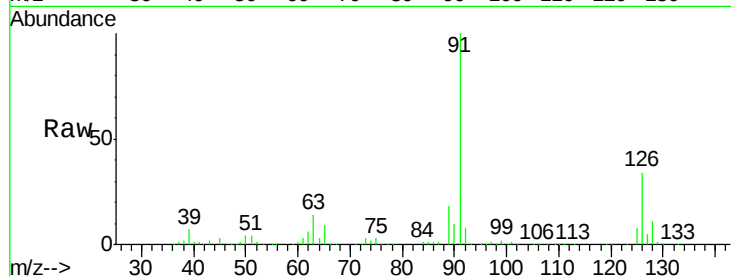
126 34.1 16.5 49.5

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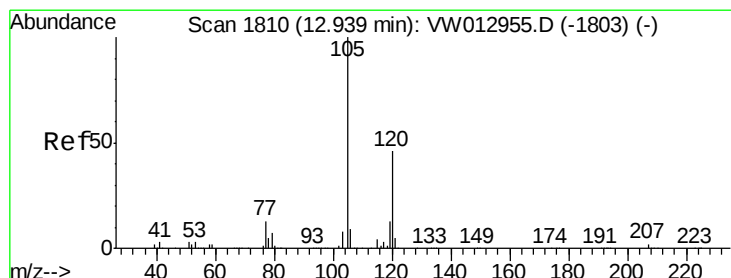
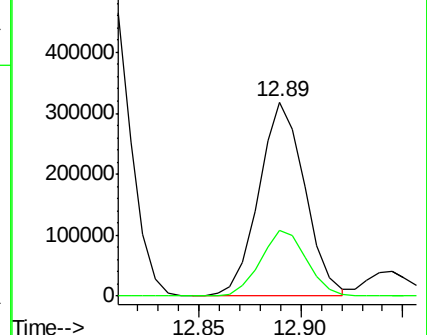
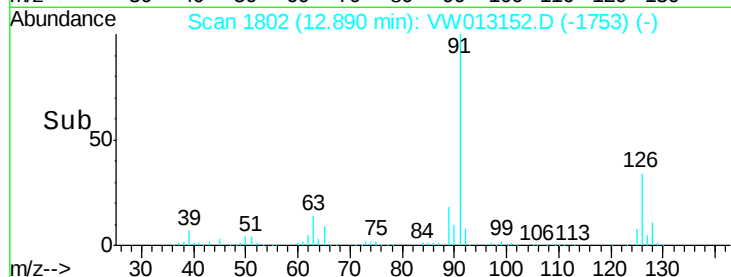
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.148 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013152.D

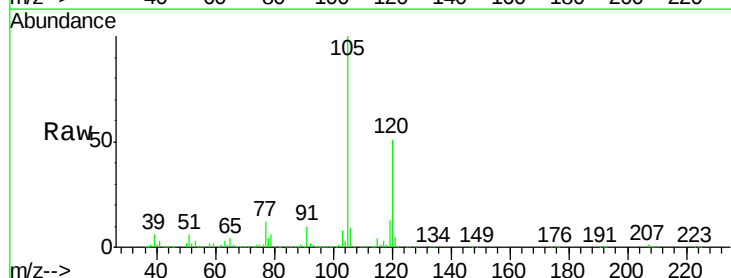
Acq: 19 Sep 2019 11:03

Tgt Ion:105 Resp: 628889

Ion Ratio Lower Upper

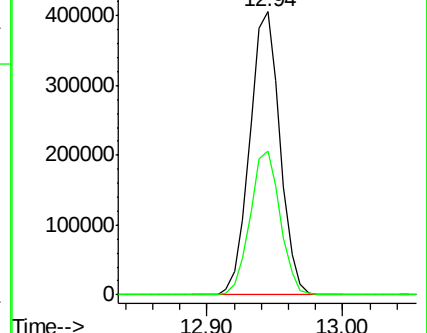
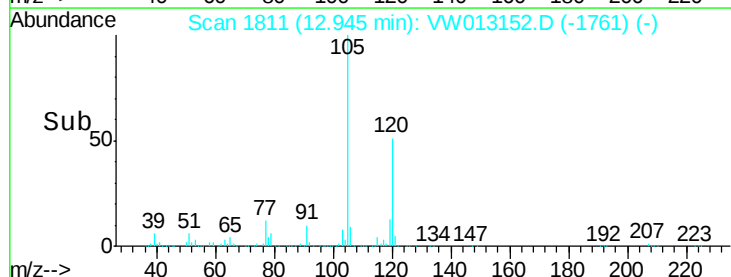
105 100

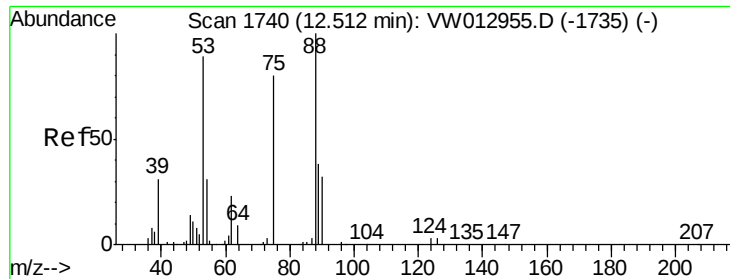
120 50.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





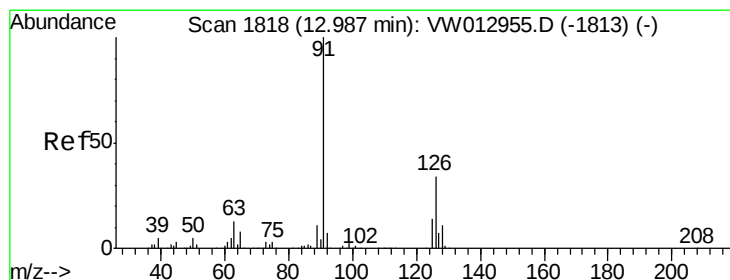
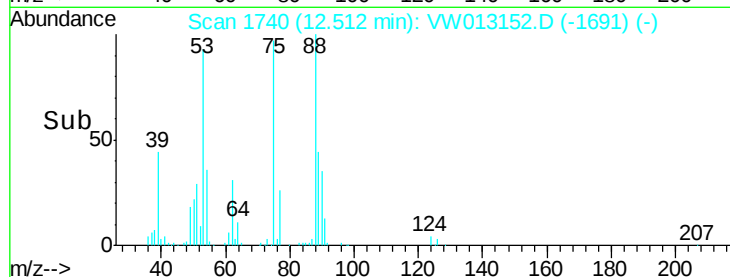
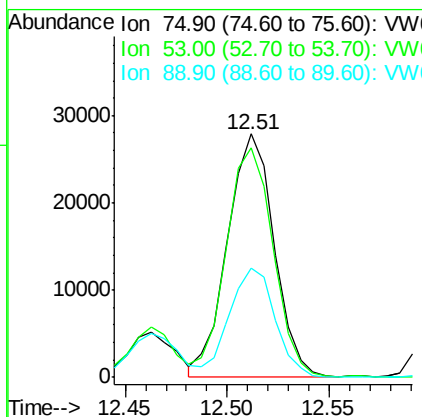
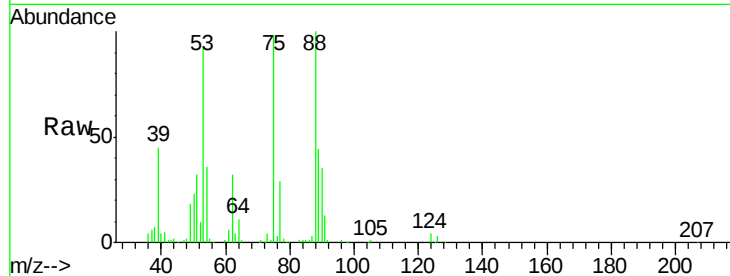
#81
trans-1,4-Dichloro-2-butene
Concen: 57.073 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.2	85.6	128.4
89	44.1	37.2	55.8

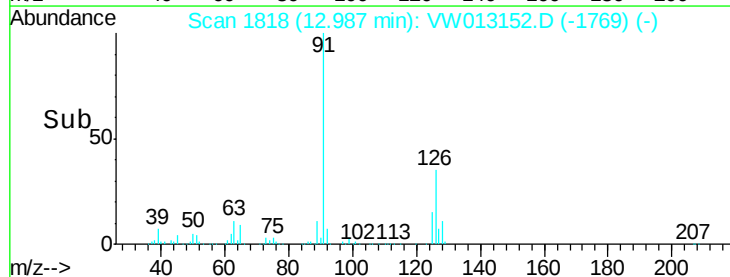
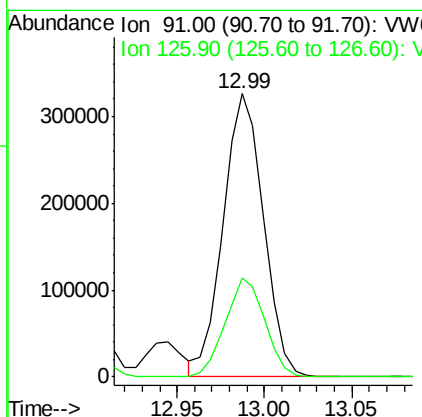
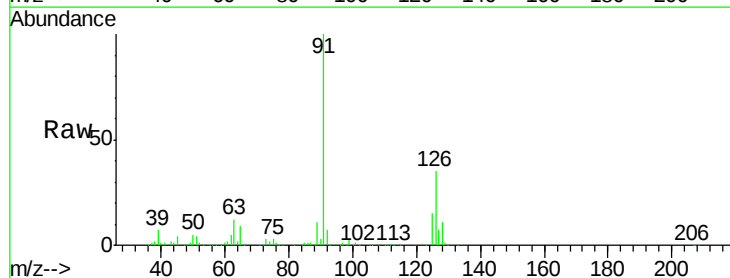
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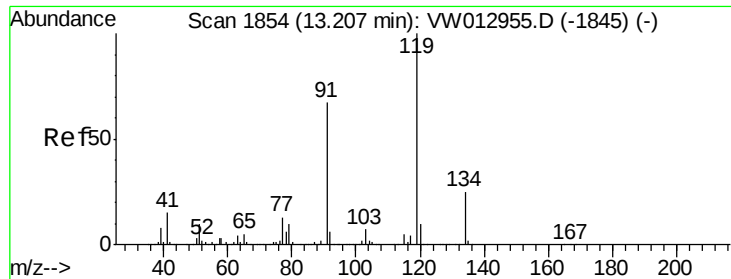
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#82
4-Chlorotoluene
Concen: 55.126 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.1	48.3





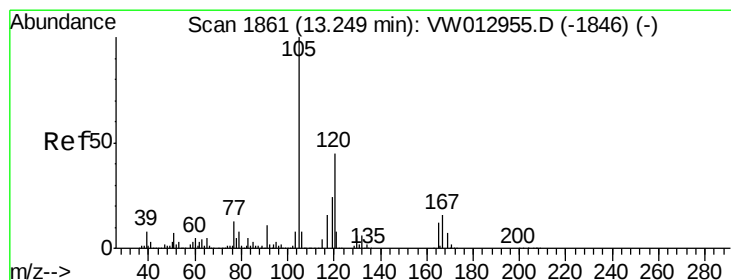
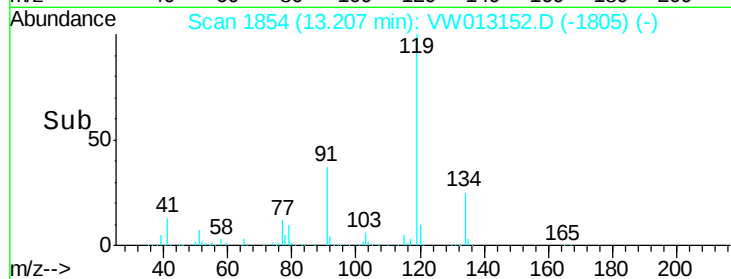
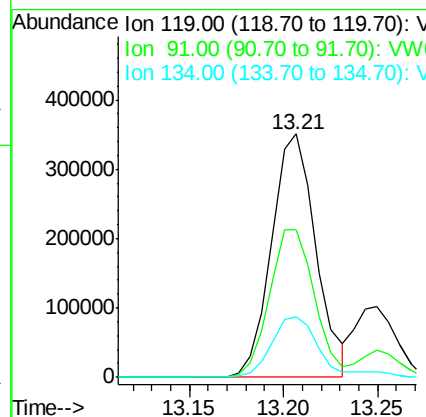
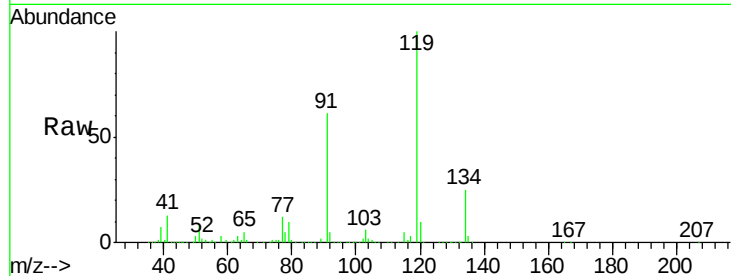
#83
 tert-Butylbenzene
 Concen: 57.158 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	572636		
91	61.6		32.6	98.0
134	27.3		12.4	37.4

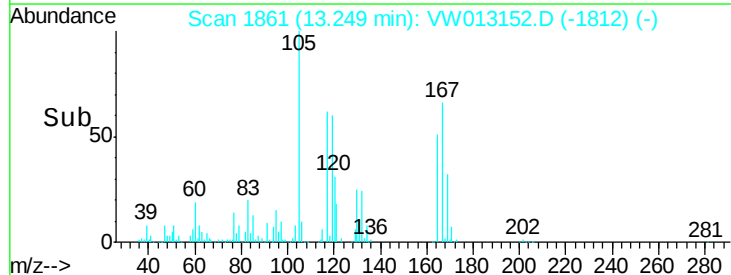
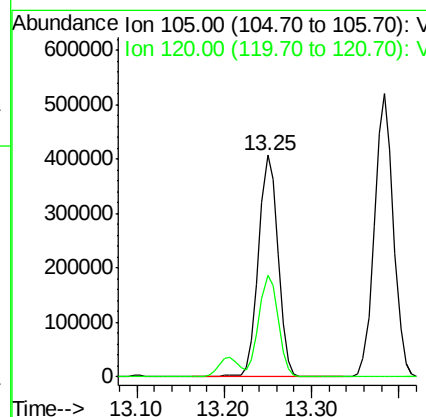
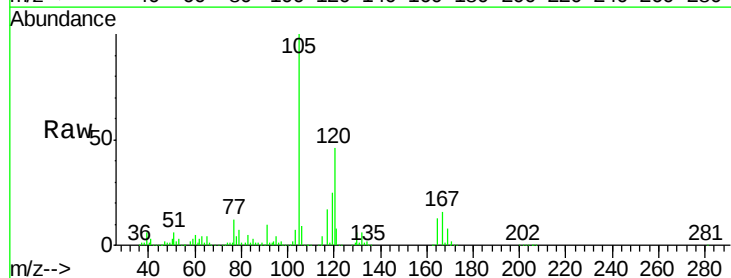
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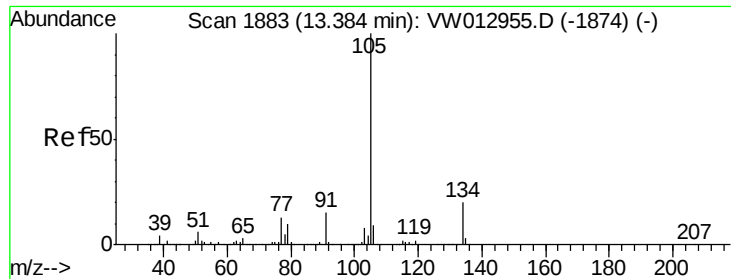
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.849 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	629199		
120	45.5		21.9	65.7





#85

sec-Butylbenzene

Concen: 57.747 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 788225

Ion Ratio Lower Upper

105 100

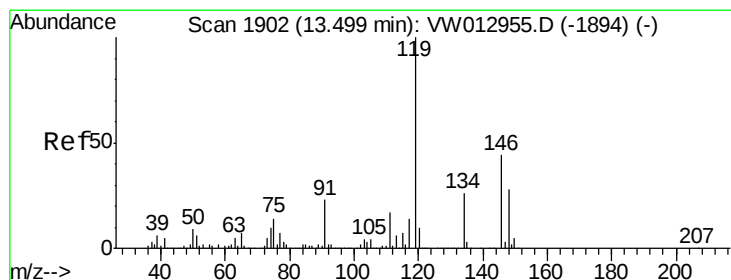
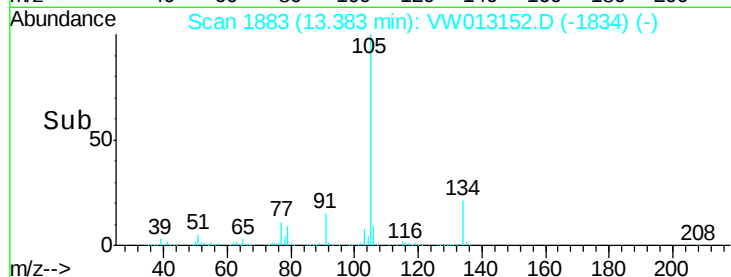
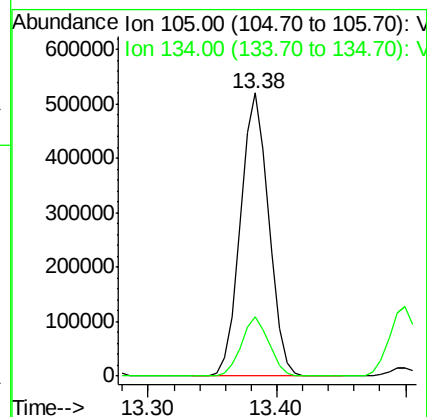
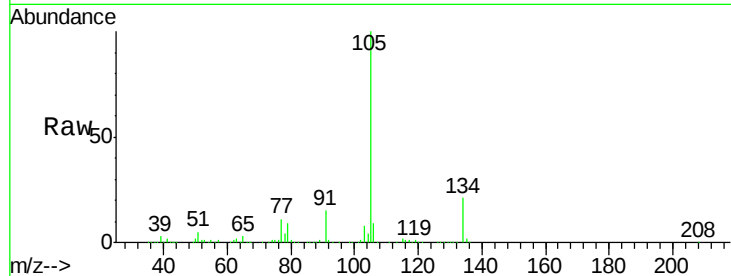
134 20.5 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 58.144 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

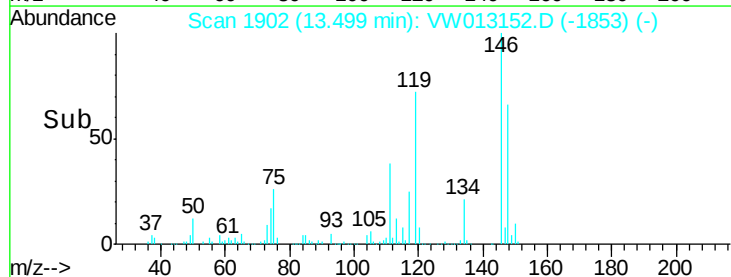
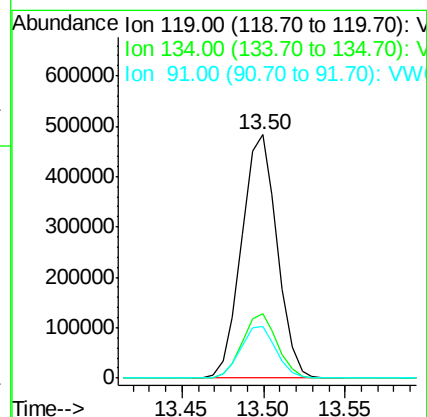
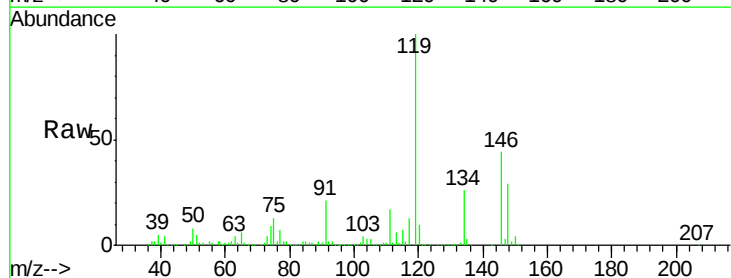
Tgt Ion:119 Resp: 728656

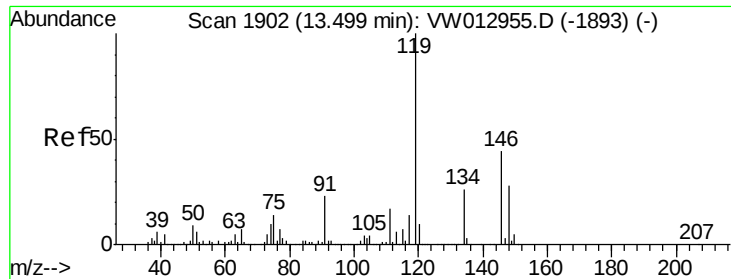
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.3

91 21.4 11.8 35.4





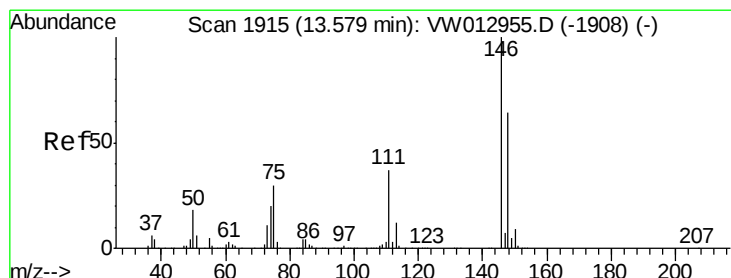
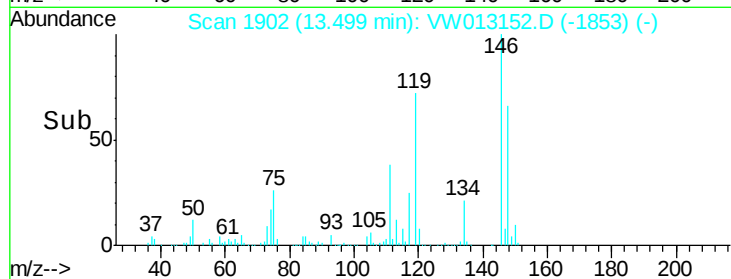
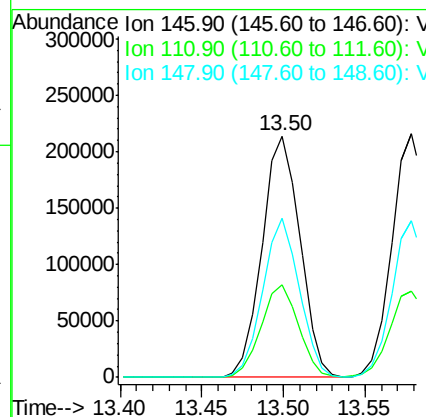
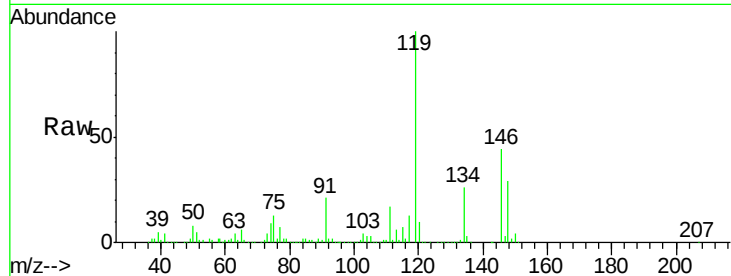
#87
 1,3-Dichlorobenzene
 Concen: 57.263 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	345744		
111	37.9	19.8	59.4	
148	63.6	31.9	95.7	

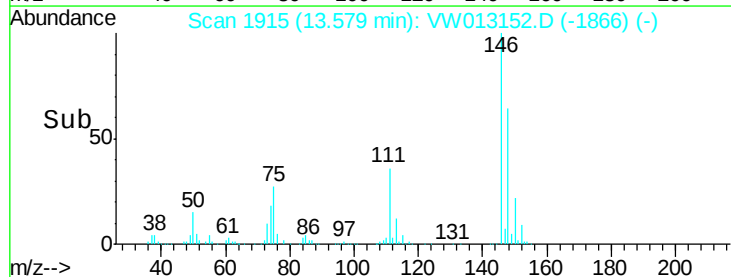
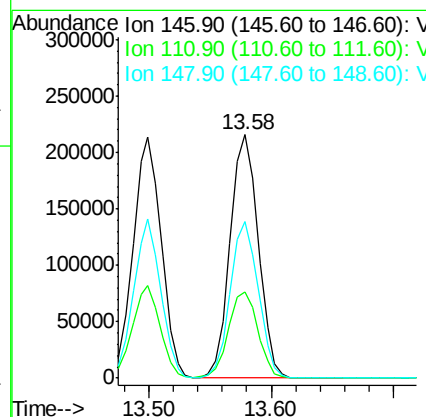
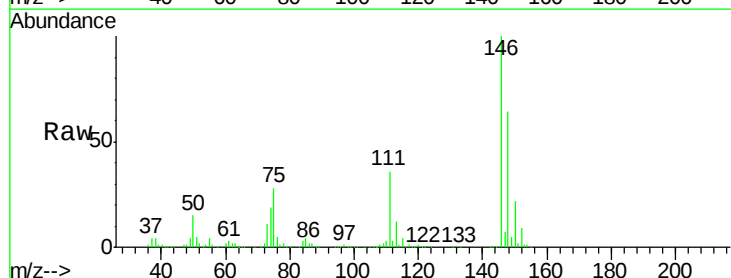
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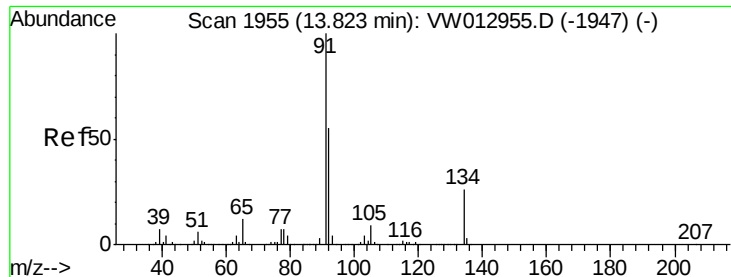
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#88
 1,4-Dichlorobenzene
 Concen: 57.850 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	343246		
111	37.0	19.4	58.2	
148	63.8	31.9	95.5	





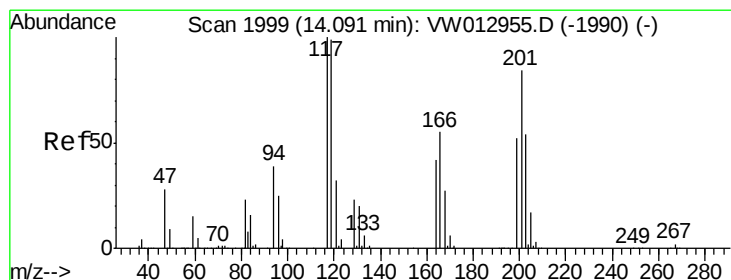
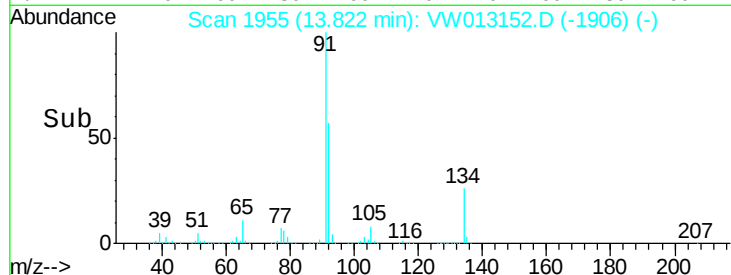
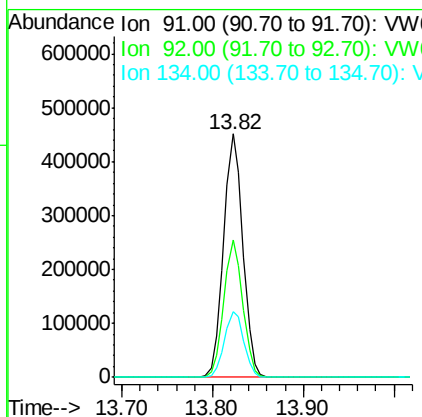
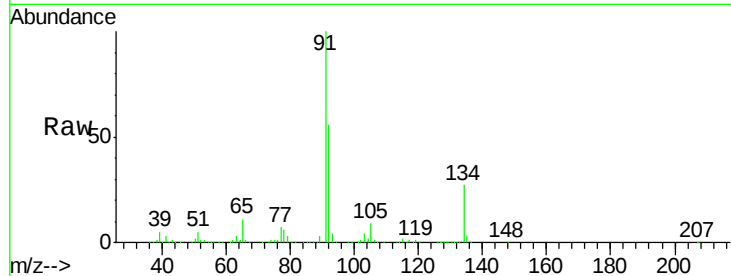
#89
n-Butylbenzene
Concen: 56.504 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	667804		
92	55.4		27.2	81.5
134	27.3		13.1	39.1

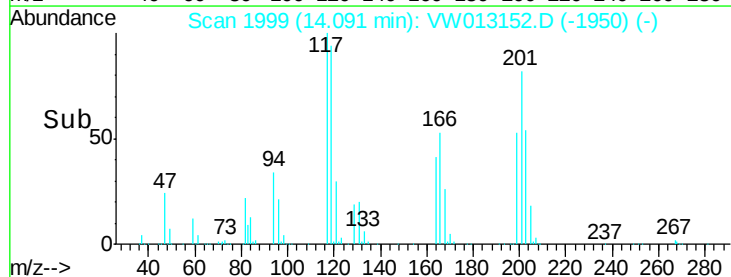
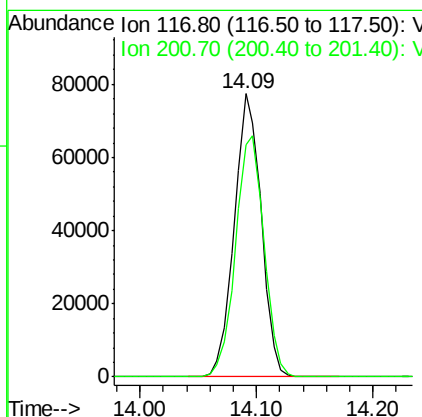
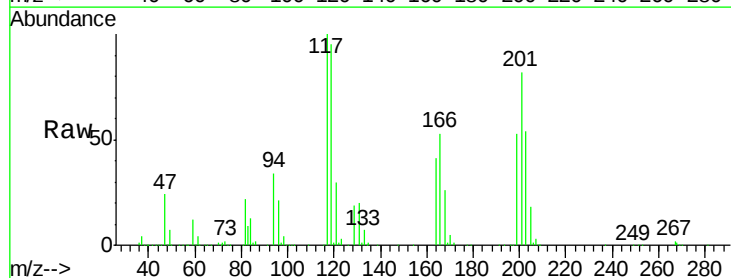
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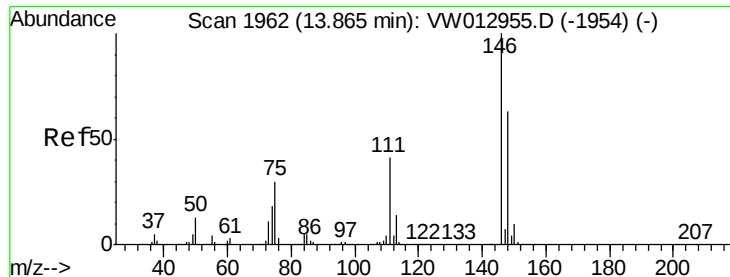
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#90
Hexachloroethane
Concen: 55.675 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	125034		
201	89.5		45.3	135.9





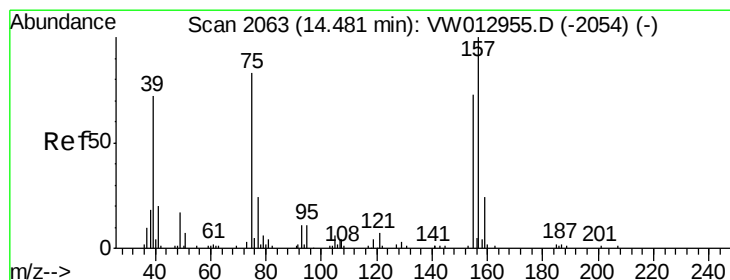
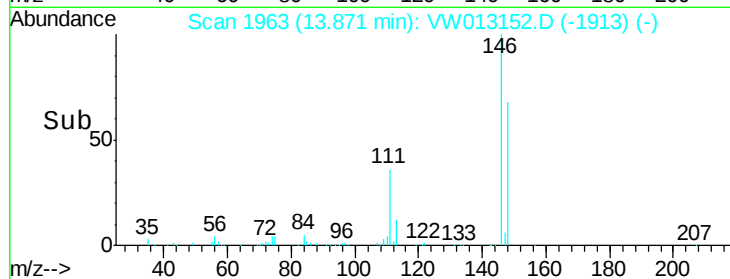
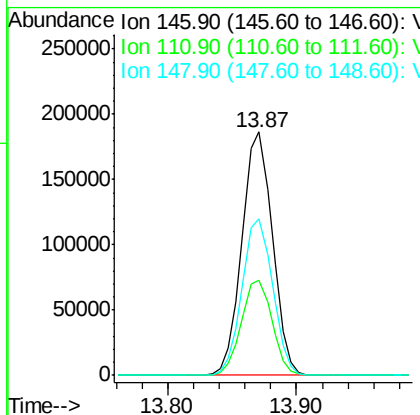
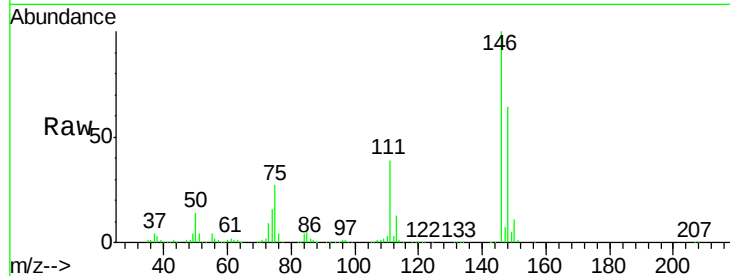
#91
 1,2-Dichlorobenzene
 Concen: 57.537 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.5
148	64.7	32.7	98.1

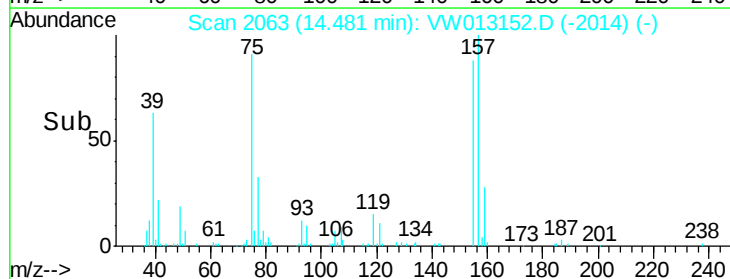
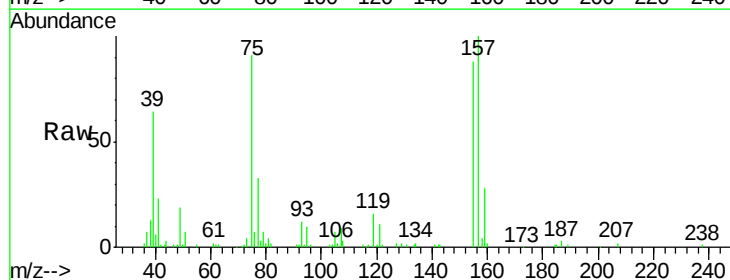
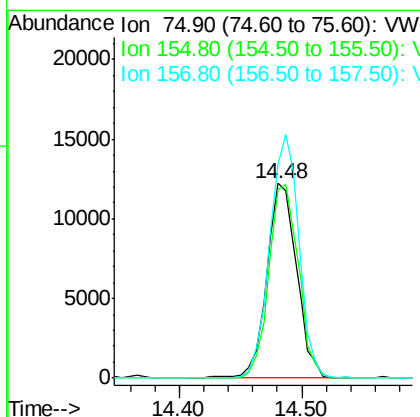
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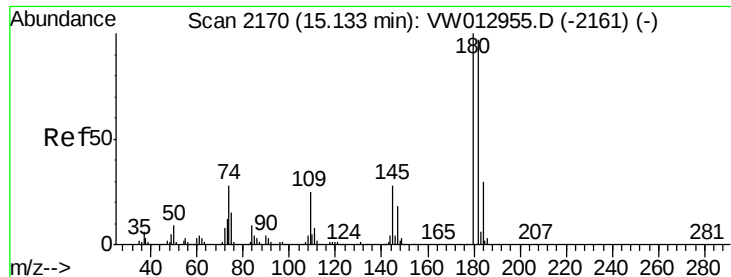
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 9/23/2019 10:46:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.708 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.3	43.3	129.9
157	121.9	54.7	164.1





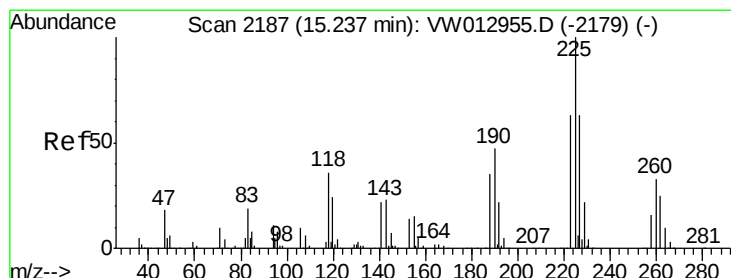
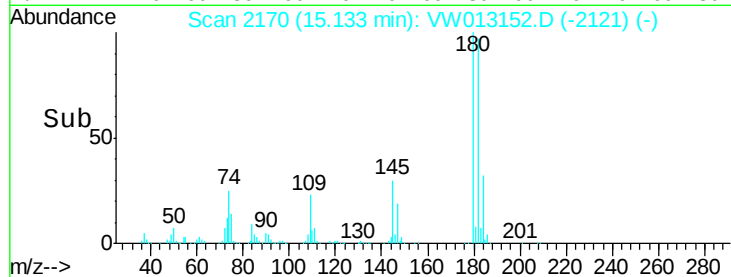
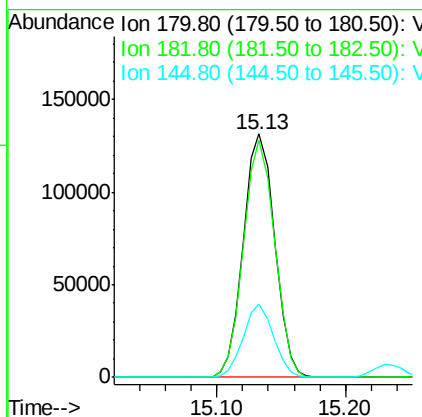
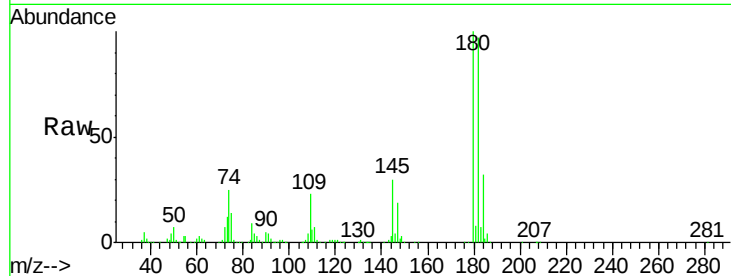
#93
 1,2,4-Trichlorobenzene
 Concen: 58.452 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	221341
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.4	142.2
145	29.1	14.9	44.7

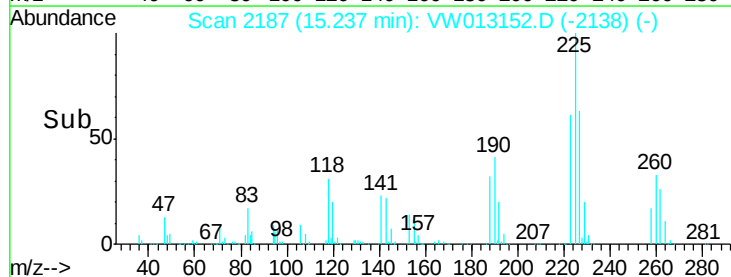
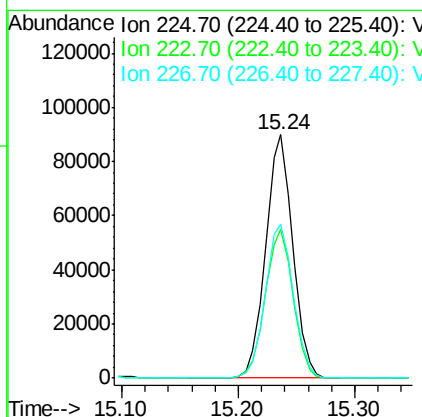
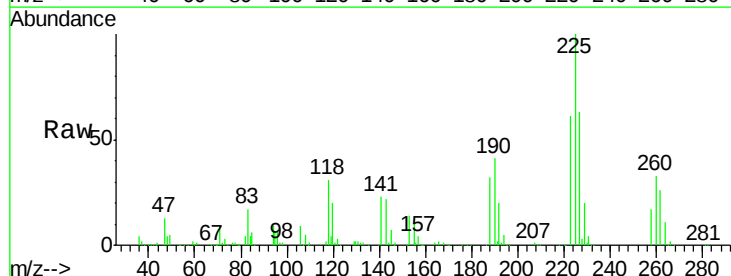
Manual Integrations
 APPROVED

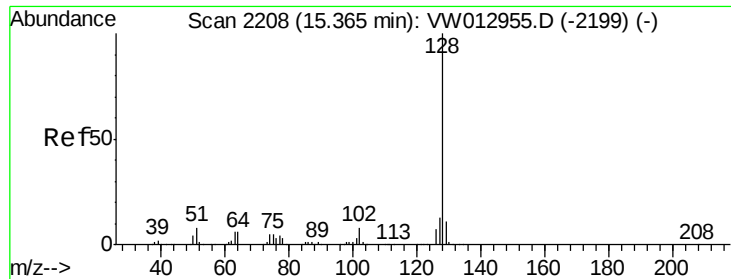
MMDadoda
 9/23/2019 10:46:02 AM



#94
 Hexachlorobutadiene
 Concen: 54.251 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013152.D
 Acq: 19 Sep 2019 11:03

Tgt Ion:	225	Resp:	145428
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.8	95.3
227	65.6	31.3	93.8





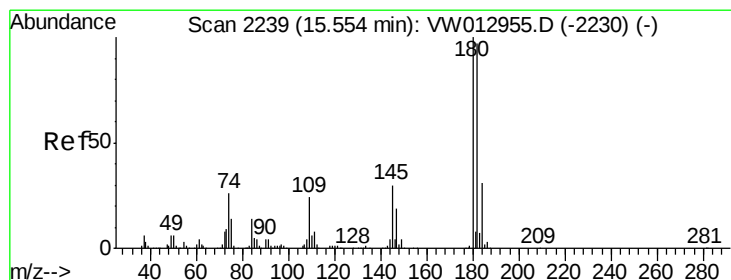
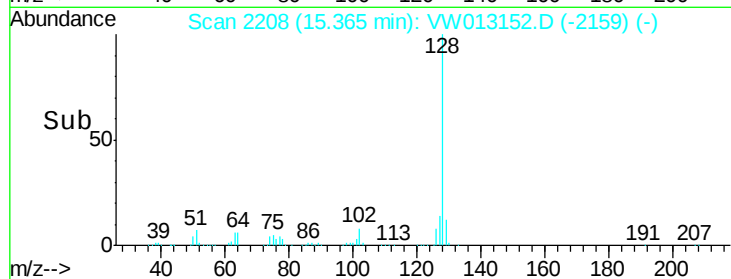
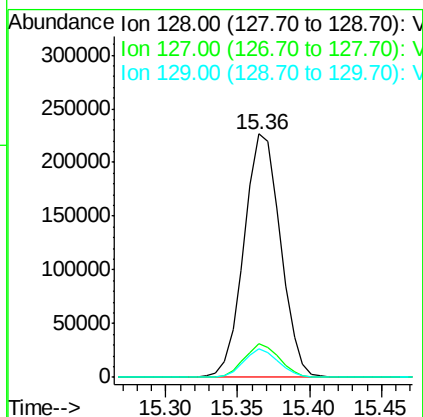
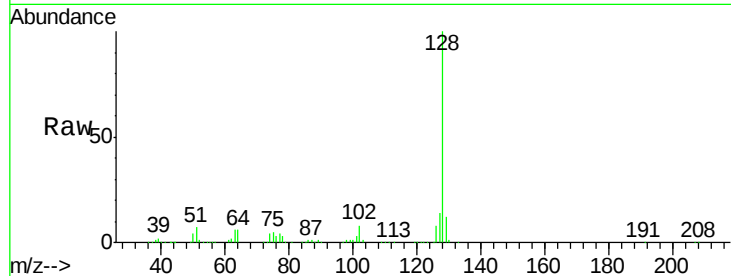
#95
Naphthalene
Concen: 62.766 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	397126		
127	13.3		11.0	16.6
129	11.0		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/23/2019 10:46:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 59.181 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013152.D
Acq: 19 Sep 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	198098		
182	95.4		47.6	142.8
145	29.9		15.4	46.2

