

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013372.D
 Acq On : 01 Oct 2019 15:12
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 8:22:51 AM

Quant Time: Oct 01 15:56:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	455218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	435872	147.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.56%	
35) Dibromofluoromethane	7.88	113	441706	152.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.18%	
50) Toluene-d8	10.32	98	1836088	151.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.12%	
62) 4-Bromofluorobenzene	12.62	95	597608	143.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	237716	113.645	ug/l	94
3) Chloromethane	2.21	50	303453	112.855	ug/l	99
4) Vinyl Chloride	2.36	62	470394	135.697	ug/l	99
5) Bromomethane	2.76	94	291366	132.633	ug/l	92
6) Chloroethane	2.90	64	275216	134.691	ug/l	95
7) Trichlorofluoromethane	3.24	101	222548	111.337	ug/l	96
8) Diethyl Ether	3.68	74	256551	150.263	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	465094	142.917	ug/l	99
10) Methyl Iodide	4.27	142	766912	152.000	ug/l	99
11) Tert butyl alcohol	5.17	59	181516	739.539	ug/l	96
12) 1,1-Dichloroethene	4.04	96	497925	147.756	ug/l	97
13) Acrolein	3.89	56	215231	1263.345	ug/l	100
14) Allyl chloride	4.66	41	755524	140.872	ug/l	98
15) Acrylonitrile	5.36	53	589708	800.226	ug/l	99
16) Acetone	4.12	43	607547	910.310	ug/l	94
17) Carbon Disulfide	4.38	76	1448246	148.687	ug/l	99
18) Methyl Acetate	4.66	43	297663	158.663	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	743189	143.896	ug/l	98
20) Methylene Chloride	4.92	84	514350	135.996	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	538785	147.926	ug/l	99
22) Diisopropyl ether	6.31	45	1466501	143.794	ug/l	97
23) Vinyl Acetate	6.25	43	4623805	764.219	ug/l	98
24) 1,1-Dichloroethane	6.21	63	892058	144.953	ug/l	99
25) 2-Butanone	7.16	43	819797	818.253	ug/l	95
26) 2,2-Dichloropropane	7.16	77	498501	121.983	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	574181	149.379	ug/l	96
28) Bromochloromethane	7.51	49	355056	150.322	ug/l	96
29) Tetrahydrofuran	7.52	42	493287	802.845	ug/l	99
30) Chloroform	7.67	83	851377	141.303	ug/l	98
31) Cyclohexane	7.95	56	876916	136.696	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	674410	138.202	ug/l	99
36) 1,1-Dichloropropene	8.08	75	724013	141.561	ug/l	99
37) Ethyl Acetate	7.25	43	334839	154.043	ug/l	98
38) Carbon Tetrachloride	8.07	117	650393	141.858	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	968950	147.420	ug/l	100
40) Benzene	8.32	78	2052341	143.864	ug/l	100
41) Methacrylonitrile	7.48	41	210090	161.942	ug/l	96
42) 1,2-Dichloroethane	8.40	62	539278	140.622	ug/l	98
43) Isopropyl Acetate	8.42	43	640405	153.720	ug/l	98
44) Trichloroethene	9.09	130	588900	147.130	ug/l	97
45) 1,2-Dichloropropane	9.37	63	505177	145.045	ug/l	99
46) Dibromomethane	9.46	93	253328	149.815	ug/l	97
47) Bromodichloromethane	9.64	83	642163	149.248	ug/l	96
48) Methyl methacrylate	9.43	41	324425	165.610	ug/l	97
49) 1,4-Dioxane	9.45	88	78368	3087.527	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	1619357	775.360	ug/l	99
52) Toluene	10.38	92	1331892	145.675	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	697005	157.674	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	821837	152.905	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	378363	149.704	ug/l	99
56) Ethyl methacrylate	10.65	69	542661	164.060	ug/l	97
57) 1,3-Dichloropropane	10.93	76	662241	150.153	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1120721	731.884	ug/l	98
59) 2-Hexanone	10.97	43	1183084	823.360	ug/l	99
60) Dibromochloromethane	11.13	129	459961	160.274	ug/l	100
61) 1,2-Dibromoethane	11.23	107	369181	153.631	ug/l	99
64) Tetrachloroethene	10.86	164	509677	147.566	ug/l	99
65) Chlorobenzene	11.66	112	1387611	145.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	494463	152.259	ug/l	99
67) Ethyl Benzene	11.73	91	2483655	144.201	ug/l	98
68) m/p-Xylenes	11.84	106	1921348	292.743	ug/l	97
69) o-Xylene	12.16	106	869258	142.454	ug/l	99
70) Styrene	12.18	104	1542469	147.240	ug/l	99
71) Bromoform	12.35	173	274649	160.083	ug/l #	97
73) Isopropylbenzene	12.46	105	2410093	150.304	ug/l	100
74) N-amyl acetate	12.27	43	565905	159.046	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	415530	154.951	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	270435m	141.074	ug/l	
77) Bromobenzene	12.74	156	579831	152.595	ug/l	99
78) n-propylbenzene	12.80	91	2744938	146.247	ug/l	99
79) 2-Chlorotoluene	12.89	91	1528414	145.353	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1920684	142.496	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	150291	175.923	ug/l	91
82) 4-Chlorotoluene	12.99	91	1572699	141.829	ug/l	99
83) tert-Butylbenzene	13.20	119	1695796	143.340	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1961980	146.278	ug/l	99
85) sec-Butylbenzene	13.38	105	2419578	148.343	ug/l	100
86) p-Isopropyltoluene	13.50	119	2198712	145.338	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1072264	146.625	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1051168	146.562	ug/l	99
89) n-Butylbenzene	13.82	91	2001560	144.897	ug/l	99
90) Hexachloroethane	14.09	117	380014	149.528	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	932693	147.423	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	62949	153.467	ug/l	87

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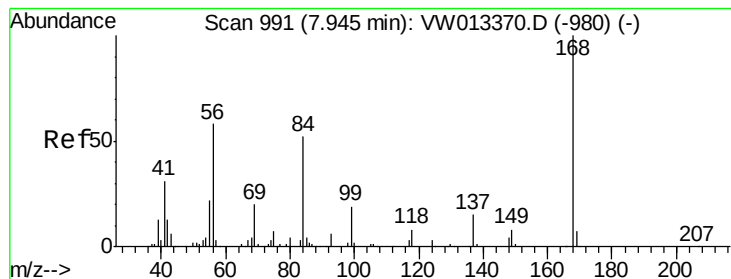
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	704330	155.361	ug/l	100
94) Hexachlorobutadiene	15.24	225	436724	140.807	ug/l	100
95) Naphthalene	15.36	128	1271466	171.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	611110	156.003	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: VW013372.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 362622

Ion Ratio Lower Upper

168 100

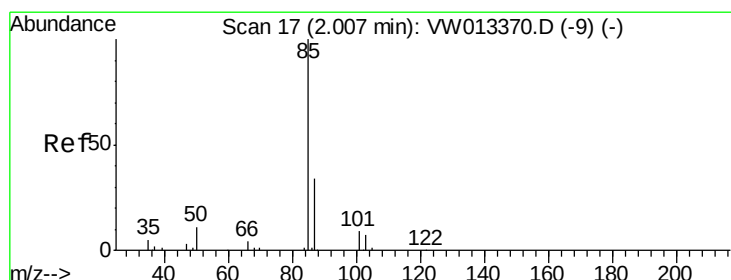
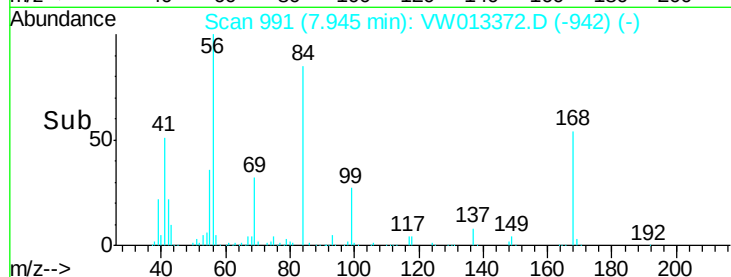
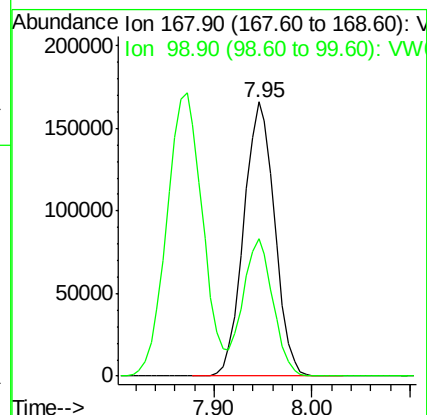
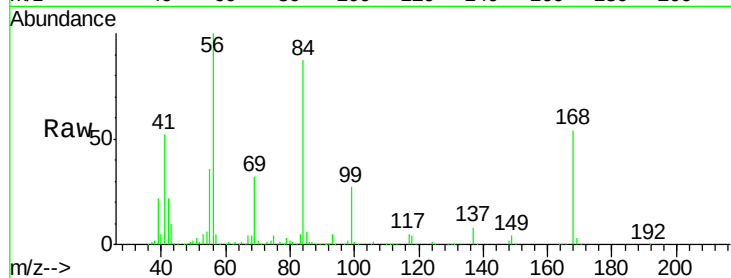
99 50.0 40.2 60.4

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10/7/2019 8:22:51 AM



#2

Dichlorodifluoromethane

Concen: 113.645 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013372.D

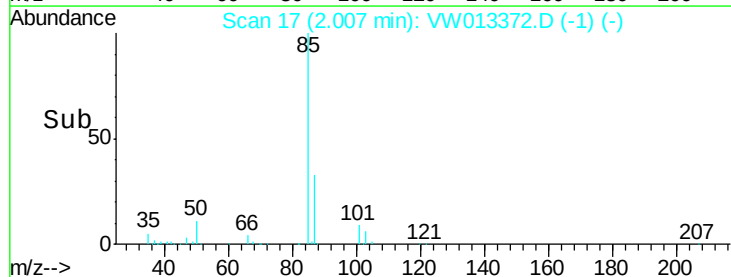
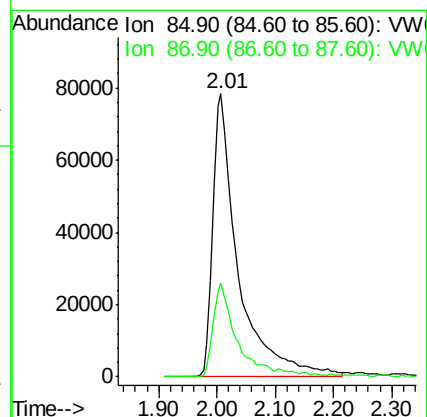
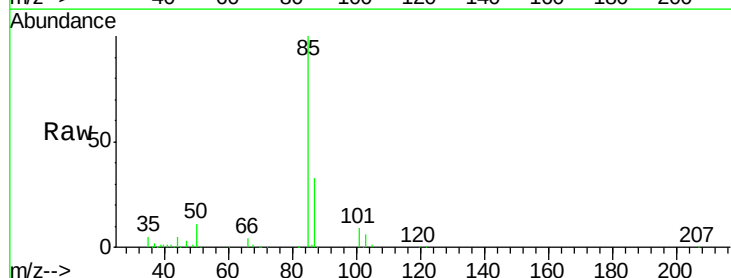
Acq: 01 Oct 2019 15:12

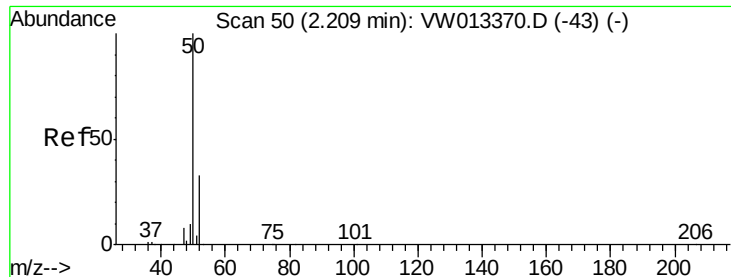
Tgt Ion: 85 Resp: 237716

Ion Ratio Lower Upper

85 100

87 33.3 15.1 45.3





#3

Chloromethane

Concen: 112.855 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 303453

Ion Ratio Lower Upper

50 100

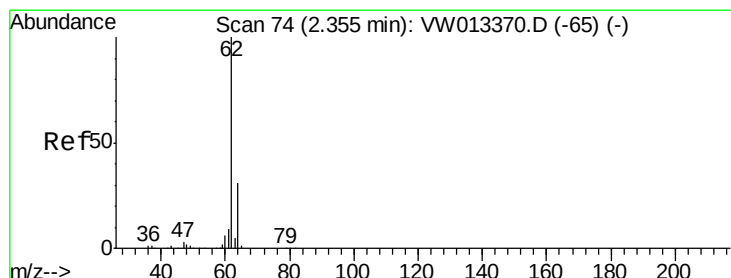
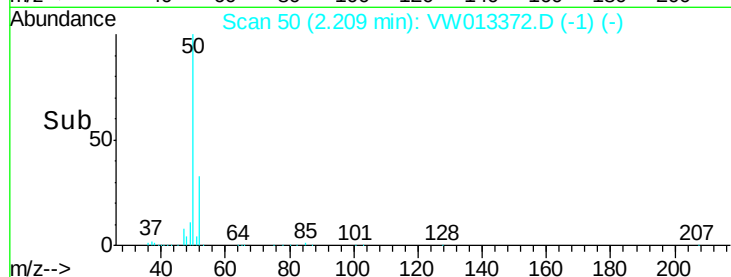
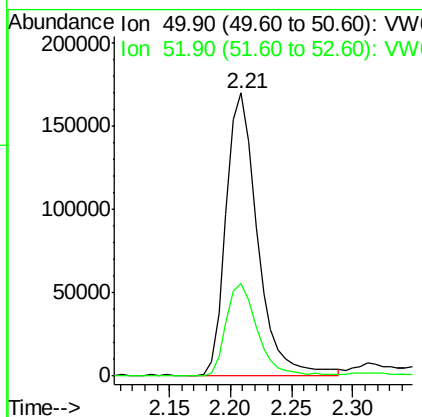
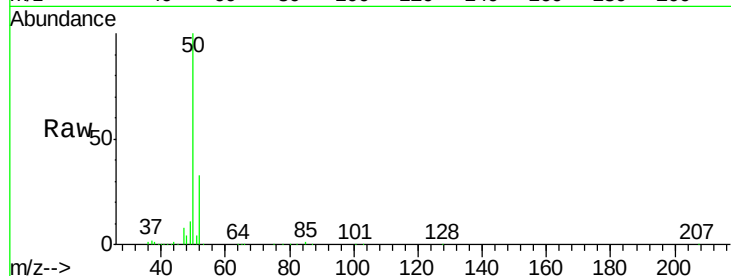
52 32.9 26.1 39.1

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10/7/2019 8:22:51 AM



#4

Vinyl Chloride

Concen: 135.697 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013372.D

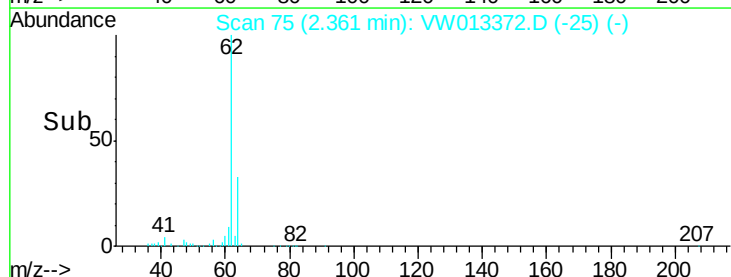
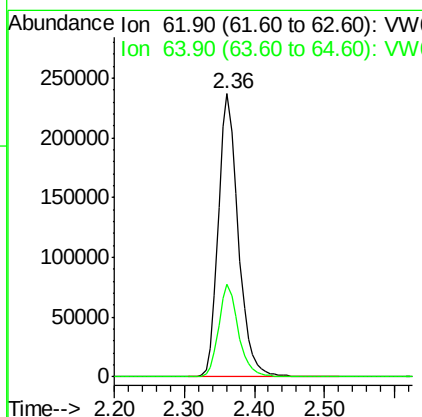
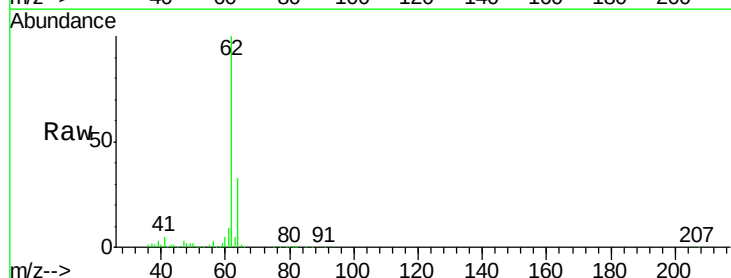
Acq: 01 Oct 2019 15:12

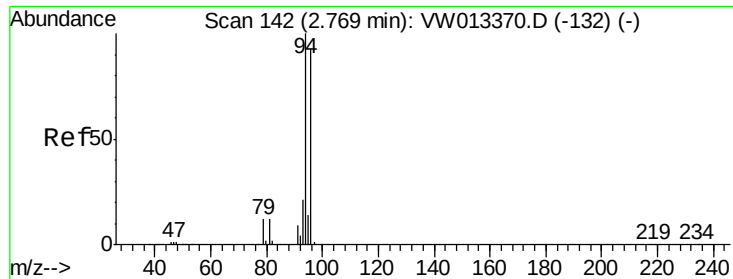
Tgt Ion: 62 Resp: 470394

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9





#5

Bromomethane

Concen: 132.633 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 291366

Ion Ratio Lower Upper

94 100

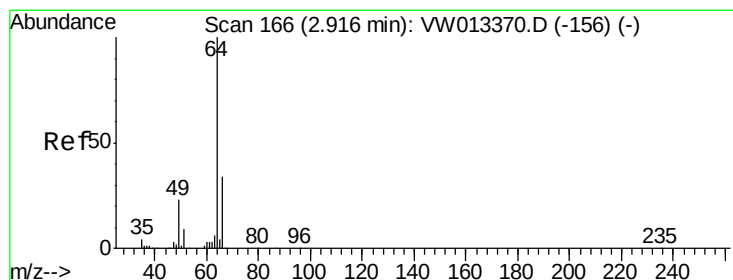
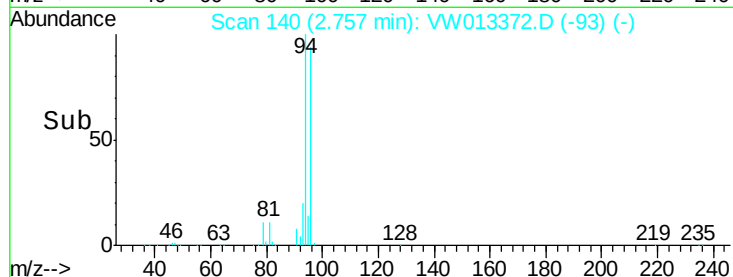
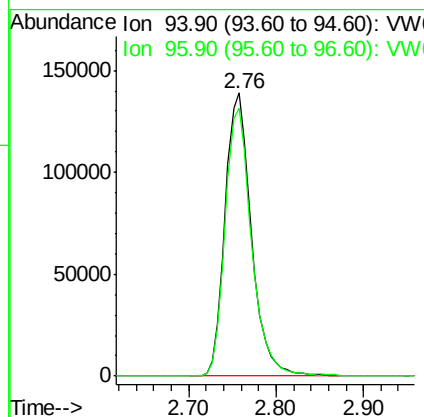
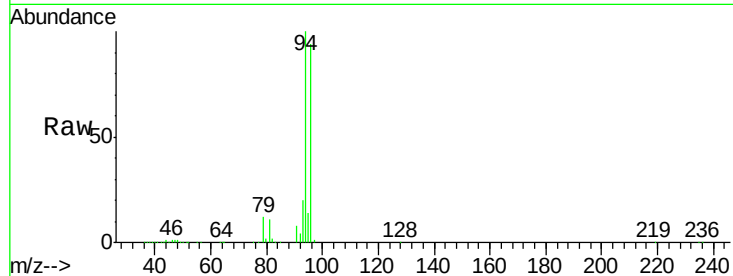
96 94.5 69.7 104.5

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10/7/2019 8:22:51 AM



#6

Chloroethane

Concen: 134.691 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013372.D

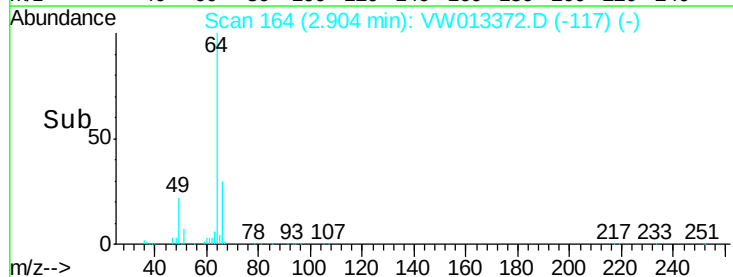
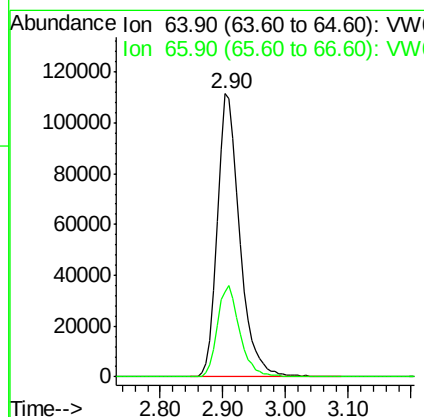
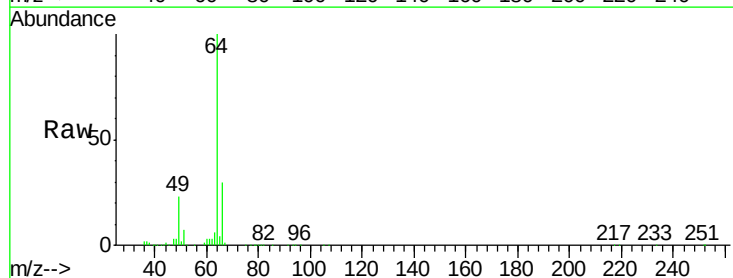
Acq: 01 Oct 2019 15:12

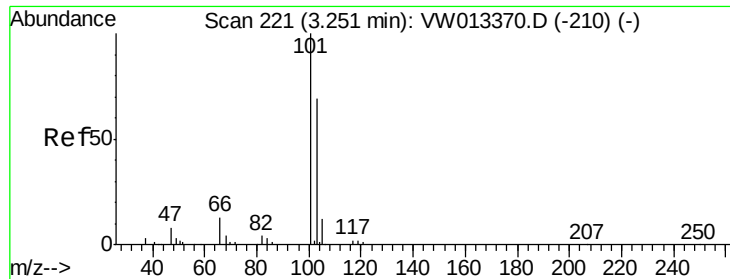
Tgt Ion: 64 Resp: 275216

Ion Ratio Lower Upper

64 100

66 30.1 26.6 39.8





#7

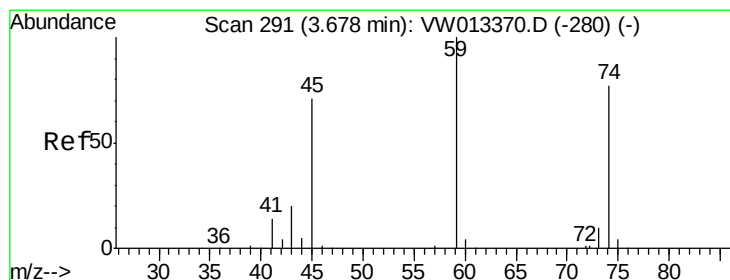
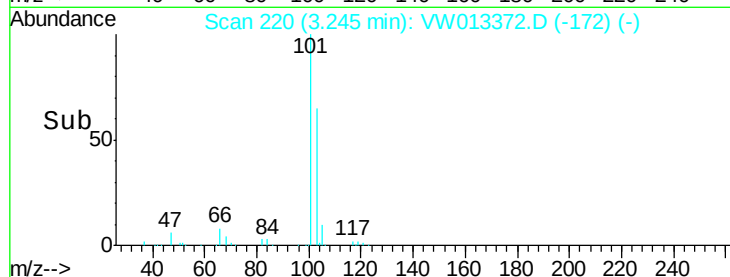
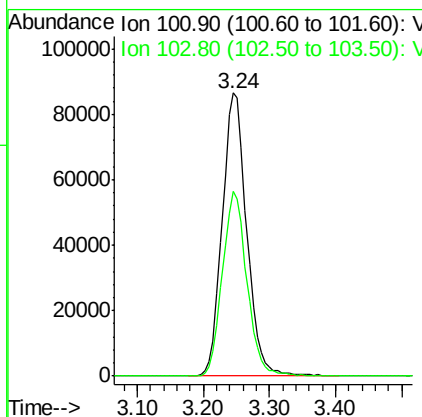
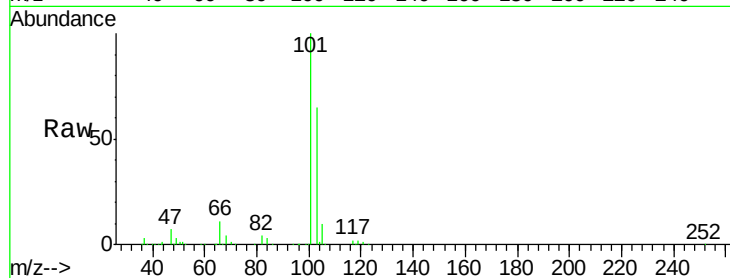
Trichlorofluoromethane
Concen: 111.337 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	49.7	74.5

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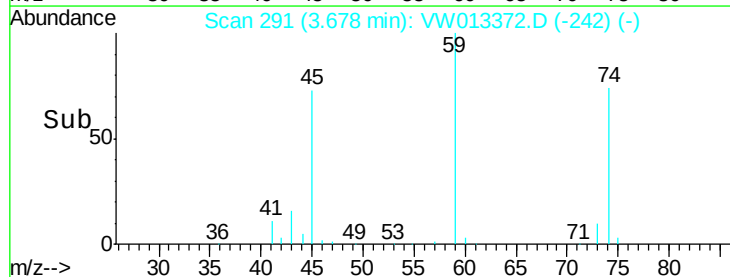
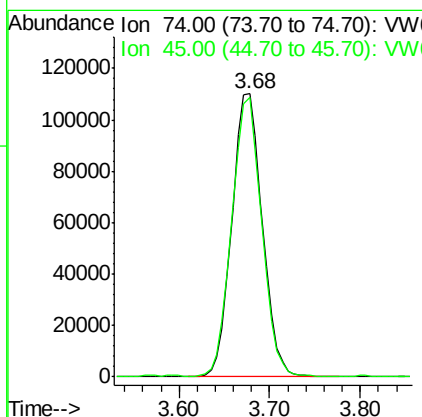
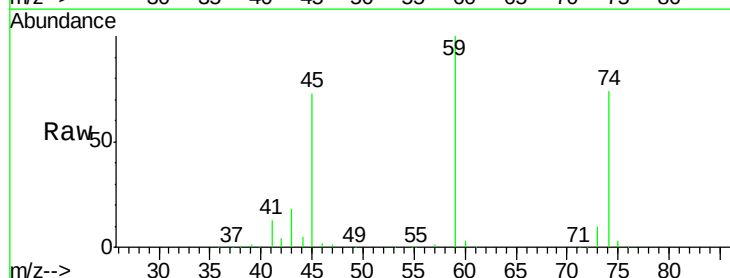
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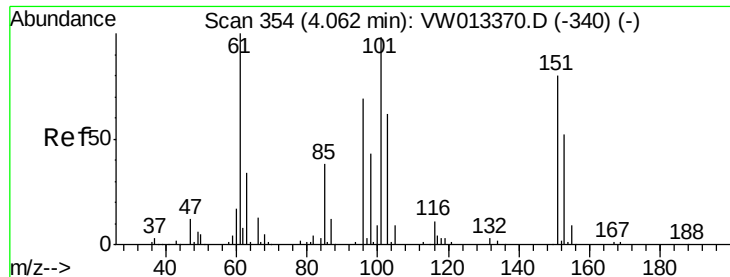


#8

Diethyl Ether
Concen: 150.263 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.917 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

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MSVOA_W

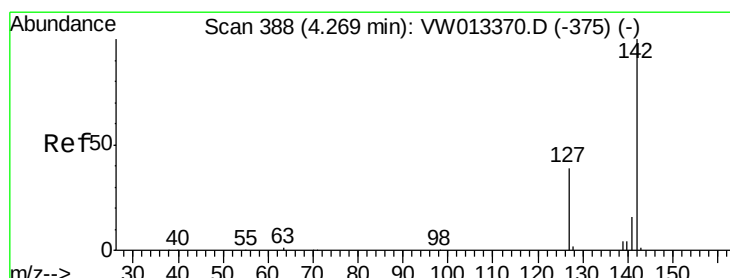
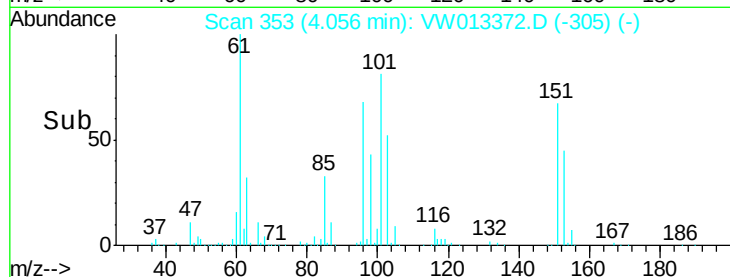
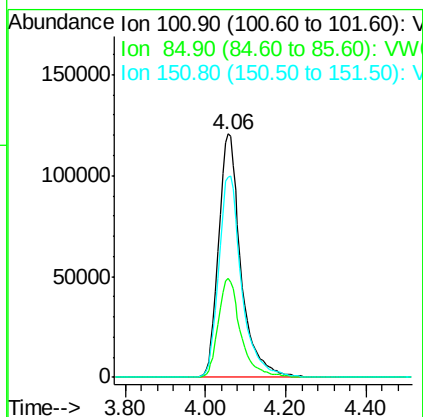
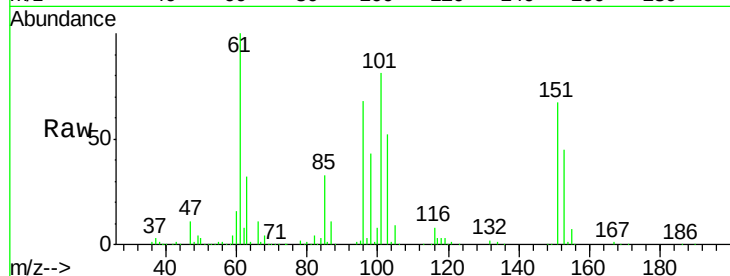
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	465094
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.4	50.0
151	84.8	66.9	100.3

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10/7/2019 8:22:51 AM



#10

Methyl Iodide

Concen: 152.000 ug/l

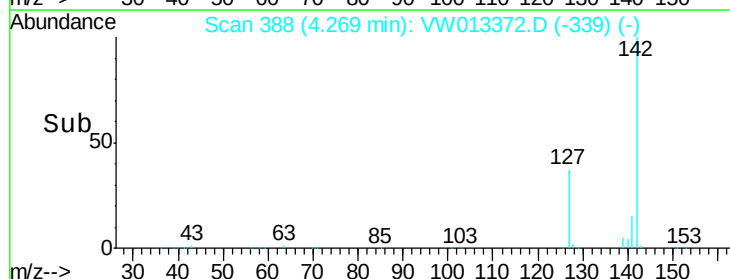
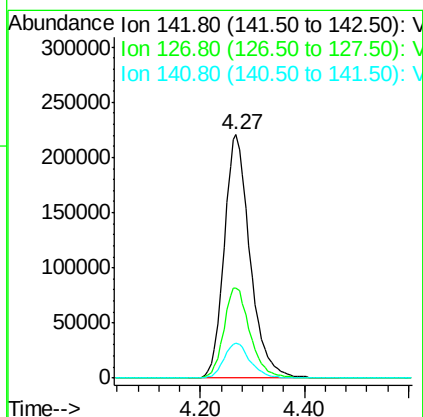
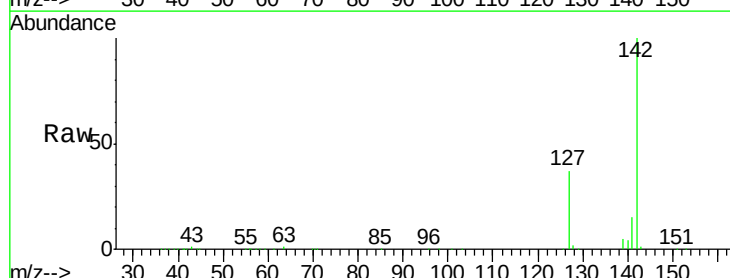
RT: 4.27 min Scan# 388

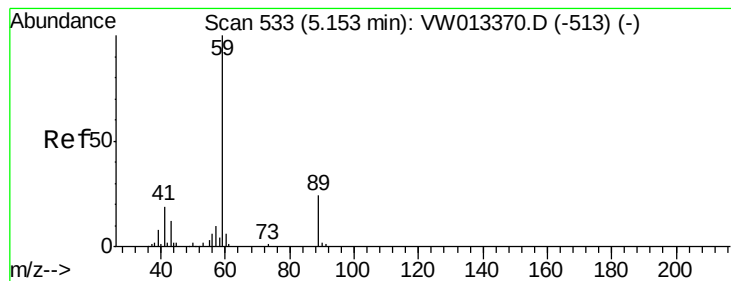
Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion:	142	Resp:	766912
Ion Ratio	Lower	Upper	
142	100		
127	37.7	30.9	46.3
141	14.7	11.7	17.5





#11

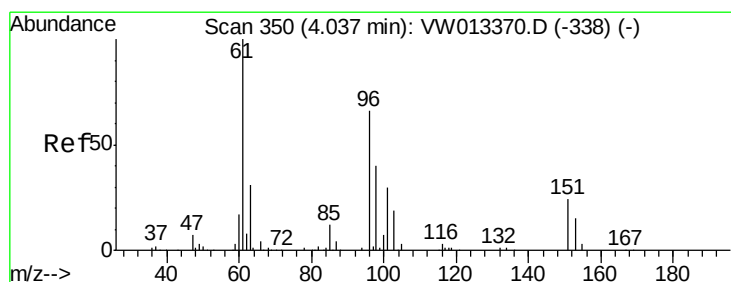
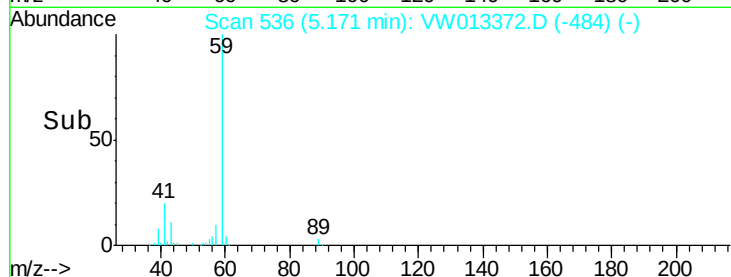
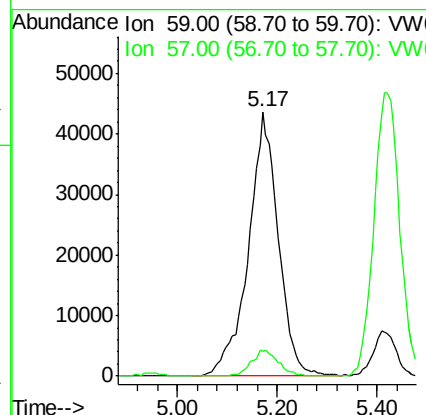
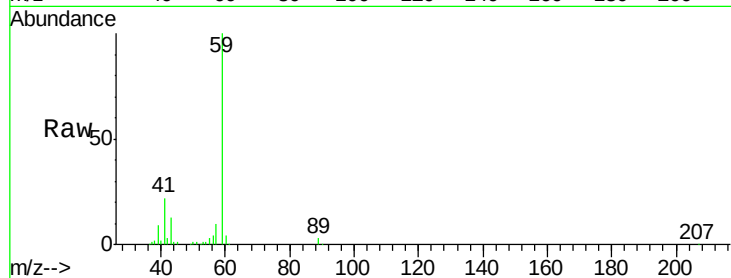
Tert butyl alcohol
Concen: 739.539 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.02 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	181516		
57	57	8.9		8.2	12.2

Manual Integrations
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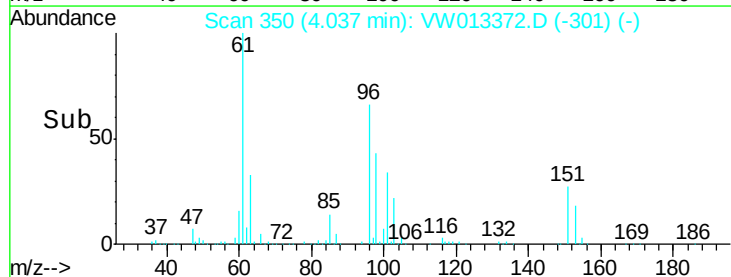
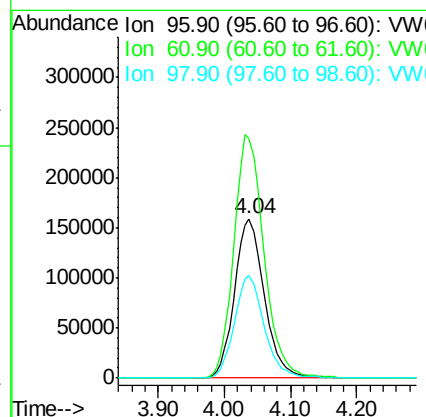
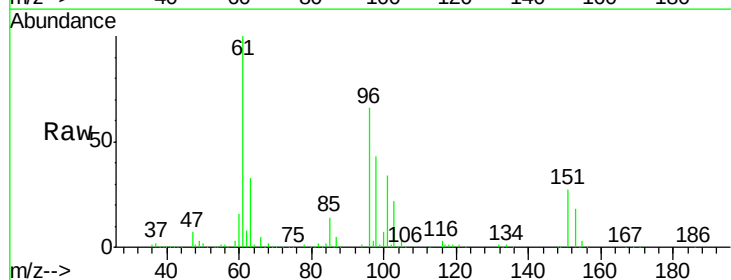
MMDadoda
10/7/2019 8:22:51 AM

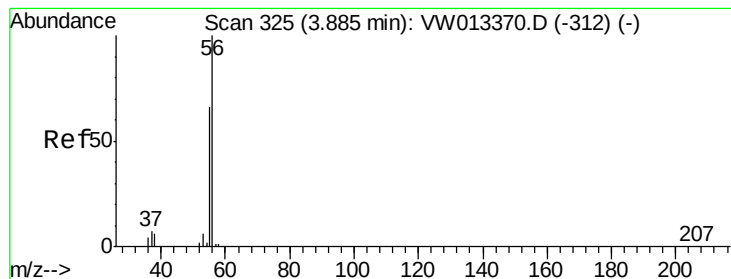


#12

1,1-Dichloroethene
Concen: 147.756 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	497925		
61	61	151.0		125.1	187.7
98	98	64.3		50.8	76.2





#13

Acrolein

Concen: 1263.345 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 215231

Ion Ratio Lower Upper

56 100

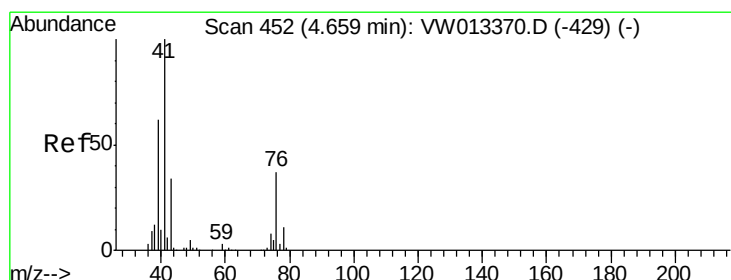
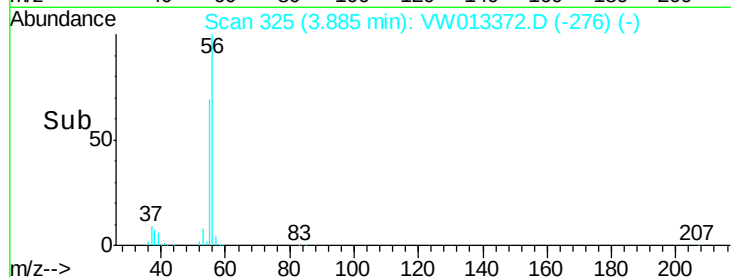
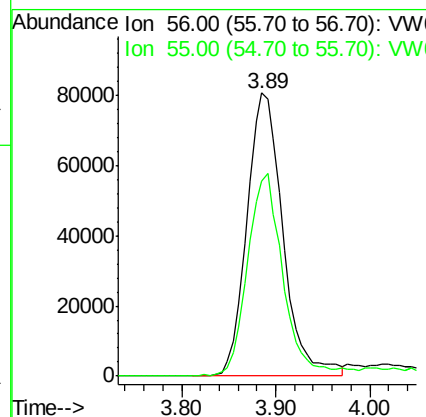
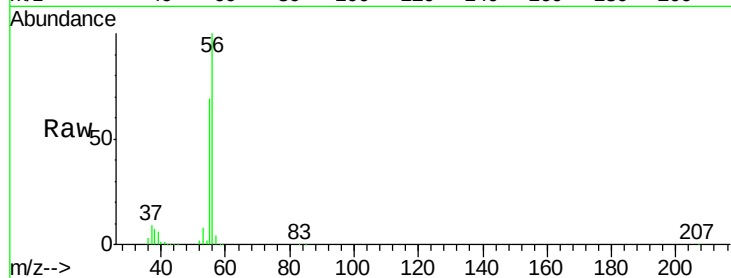
55 69.1 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 140.872 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

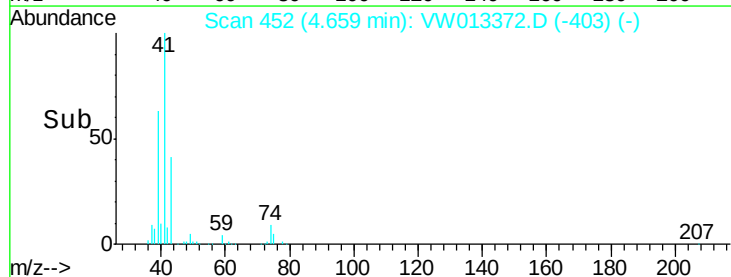
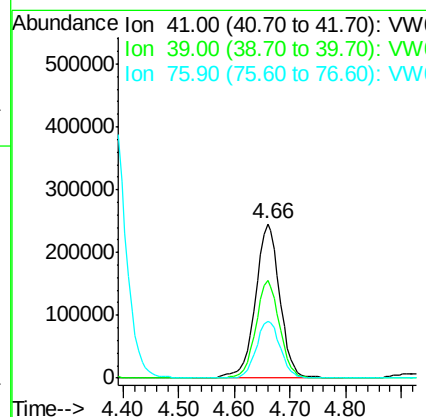
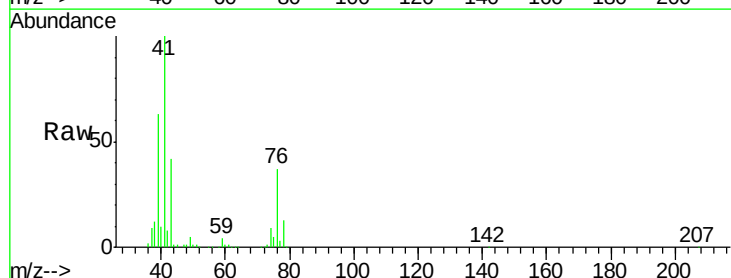
Tgt Ion: 41 Resp: 755524

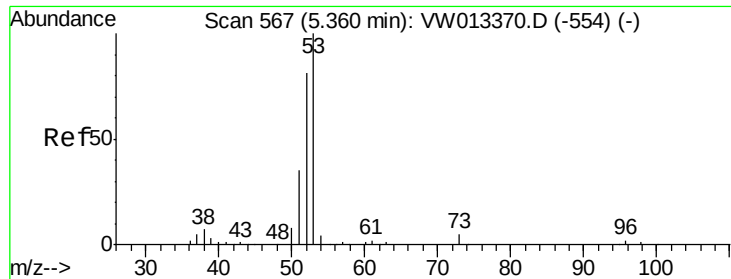
Ion Ratio Lower Upper

41 100

39 61.3 51.0 76.4

76 35.7 28.4 42.6





#15

Acrylonitrile

Concen: 800.226 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

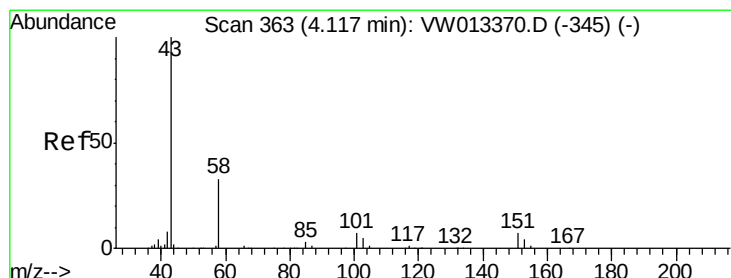
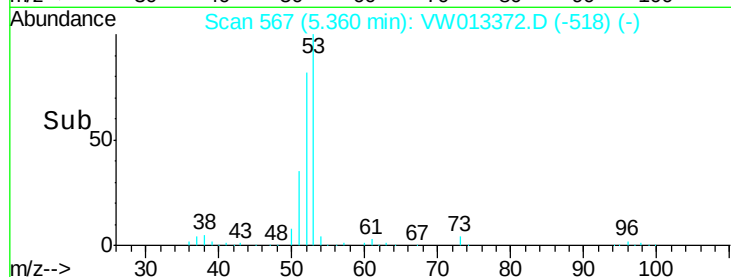
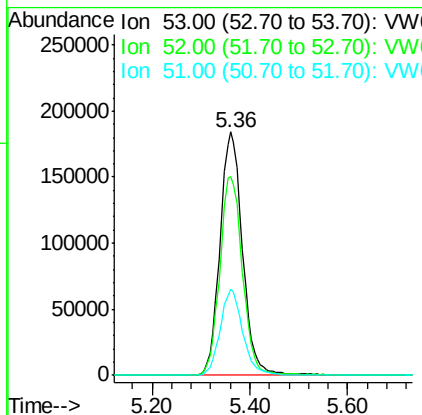
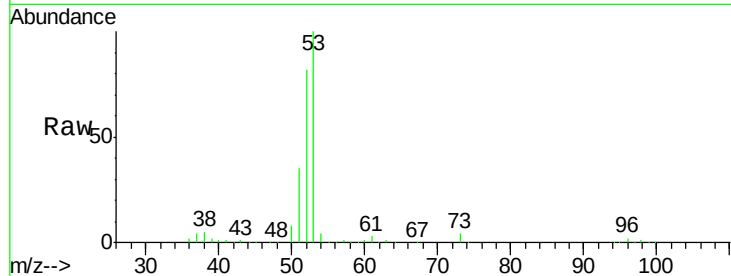
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	589708
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.3	97.9
51	35.3	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 910.310 ug/l

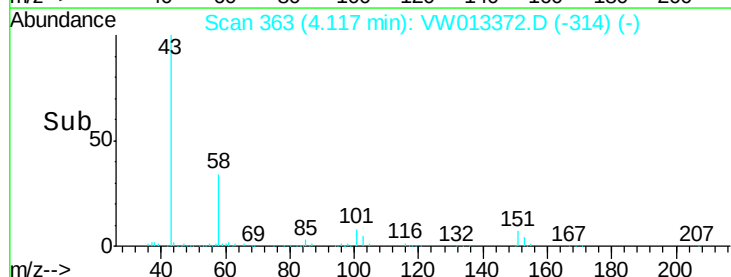
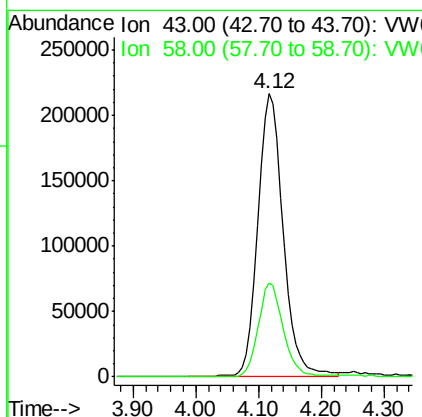
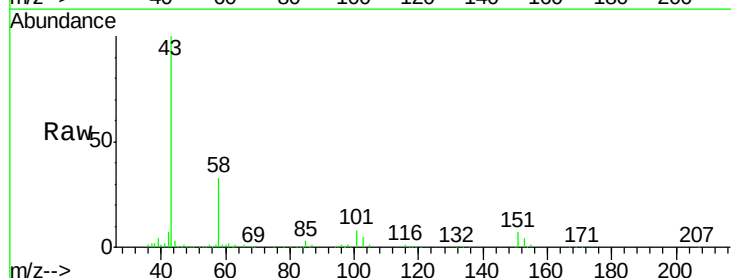
RT: 4.12 min Scan# 363

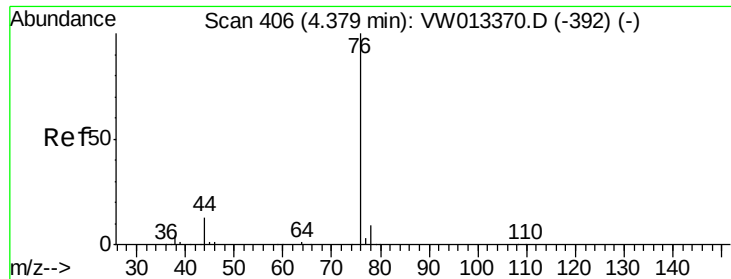
Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion:	43	Resp:	607547
Ion	Ratio	Lower	Upper
43	100		
58	33.1	24.1	36.1





#17

Carbon Disulfide

Concen: 148.687 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1448246

Ion Ratio Lower Upper

76 100

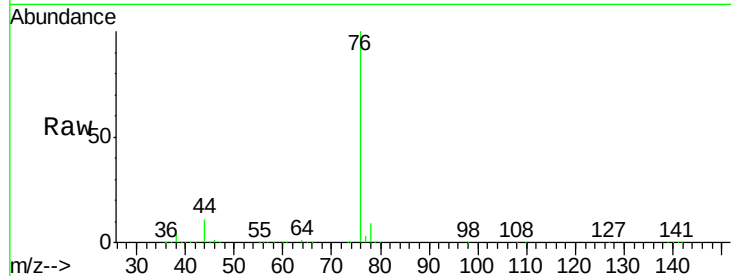
78 9.0 7.0 10.4

Manual Integrations

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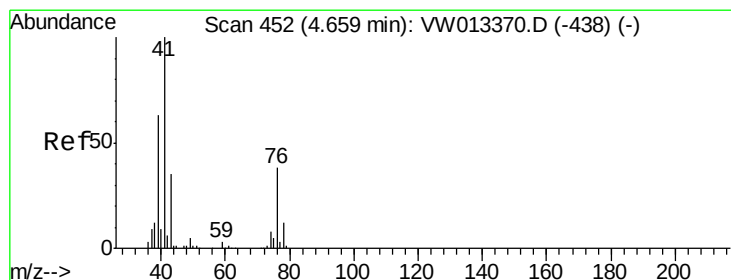
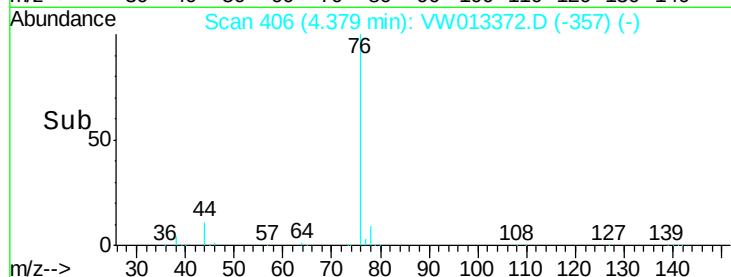
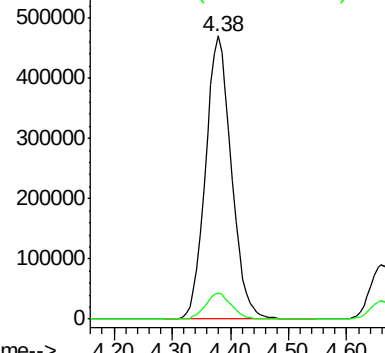
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 158.663 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013372.D

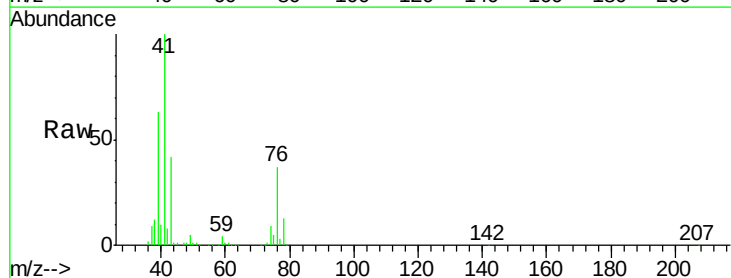
Acq: 01 Oct 2019 15:12

Tgt Ion: 43 Resp: 297663

Ion Ratio Lower Upper

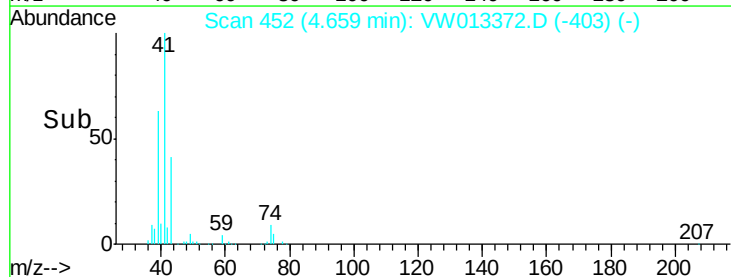
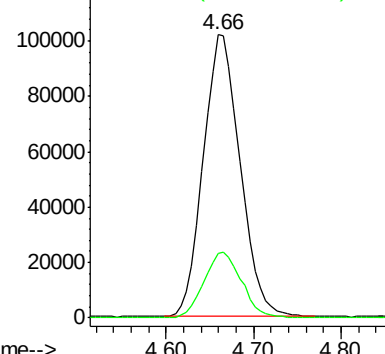
43 100

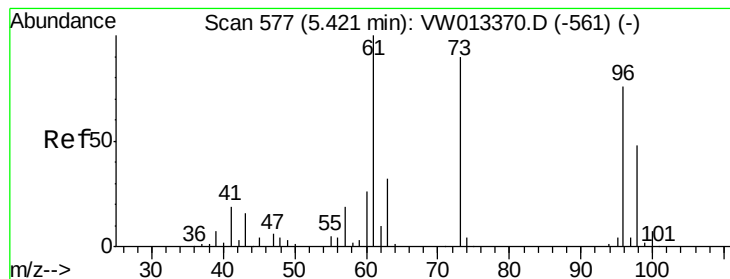
74 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

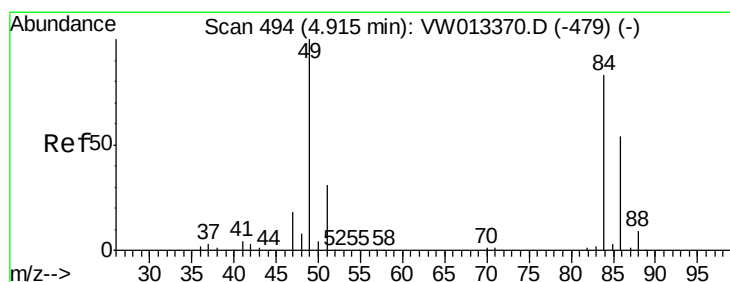
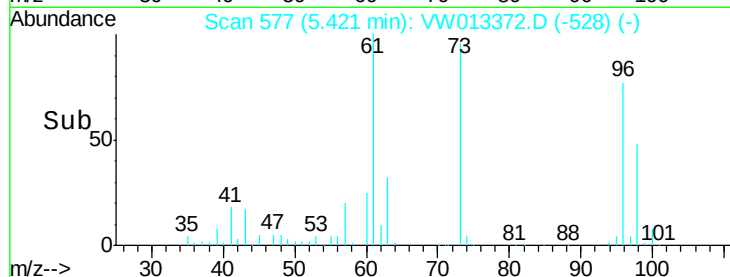
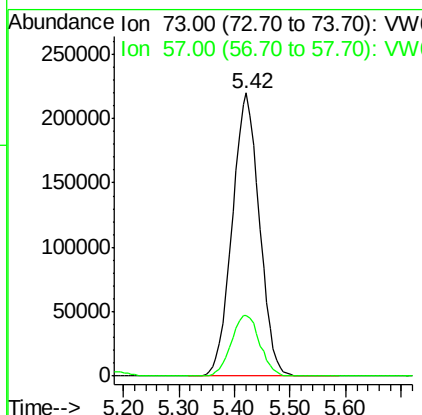
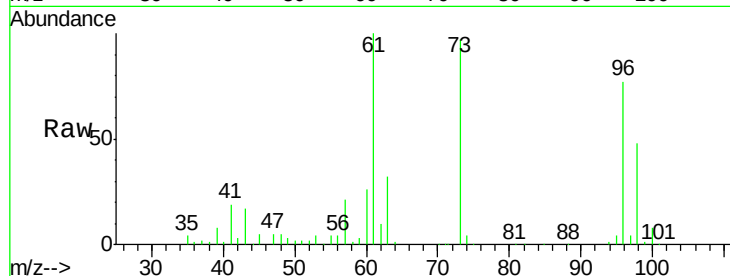
Methyl tert-butyl Ether
 Concen: 143.896 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.6	26.4

Manual Integrations
 APPROVED

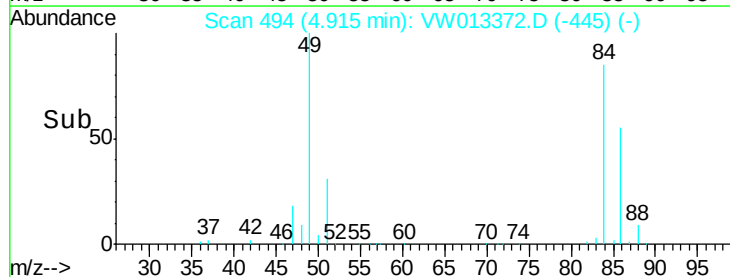
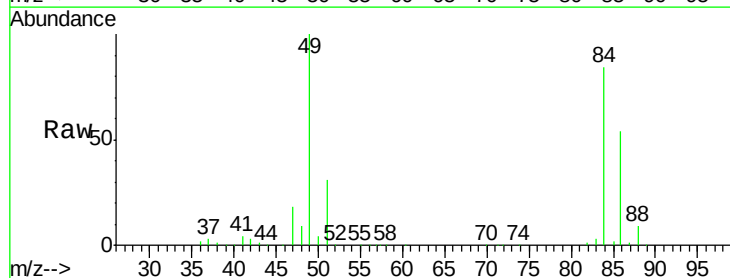
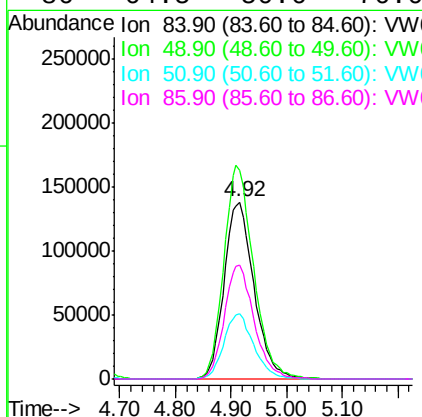
MMDadoda
 10/7/2019 8:22:51 AM

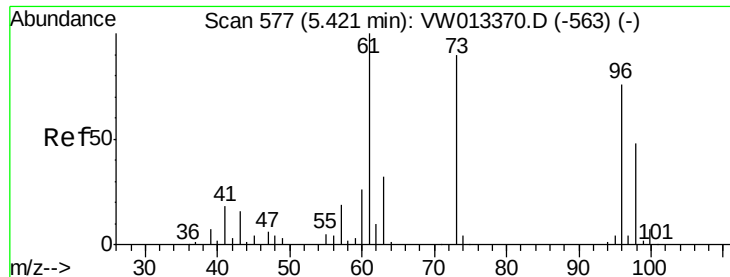


#20

Methylene Chloride
 Concen: 135.996 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	97.6	146.4
51	37.2	30.2	45.2
86	64.5	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 147.926 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 538785

Ion Ratio Lower Upper

96 100

61 131.2 106.6 159.8

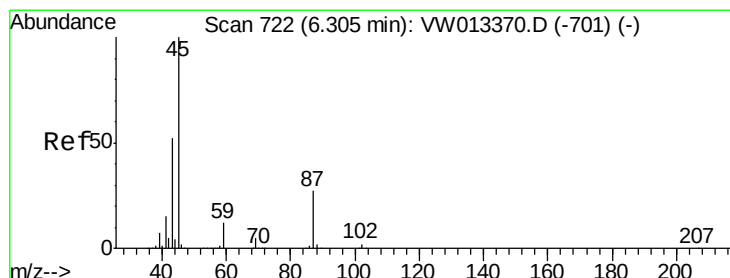
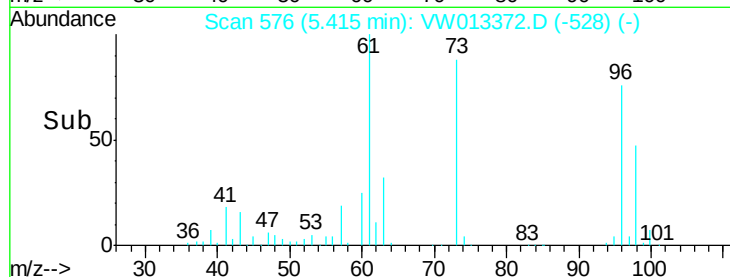
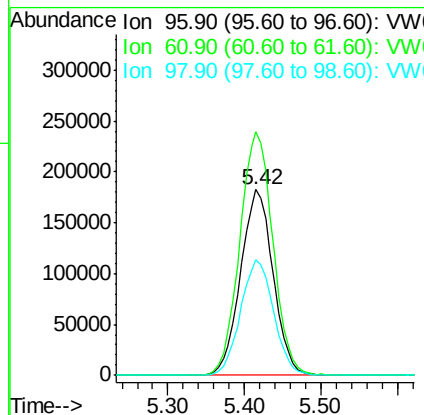
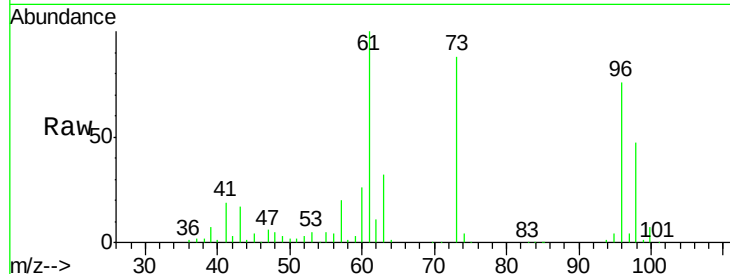
98 62.2 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 143.794 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion: 45 Resp: 1466501

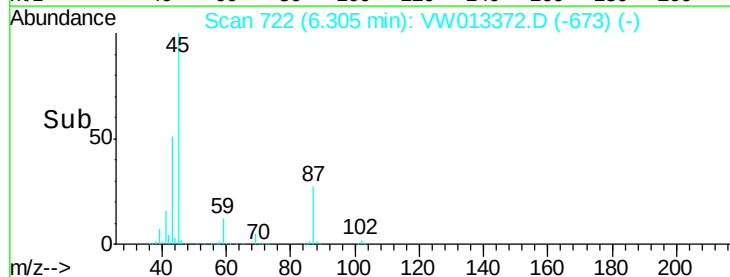
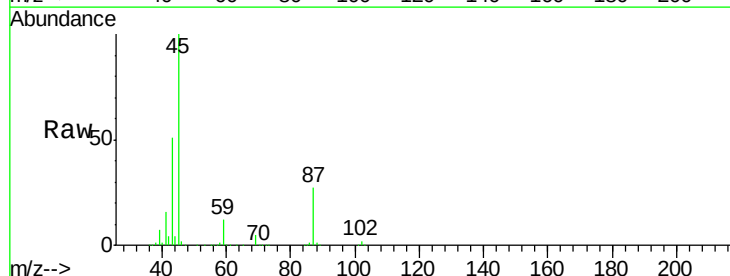
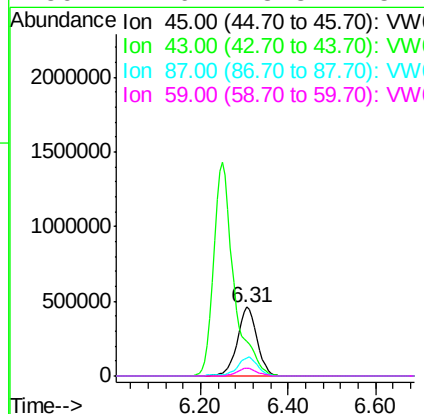
Ion Ratio Lower Upper

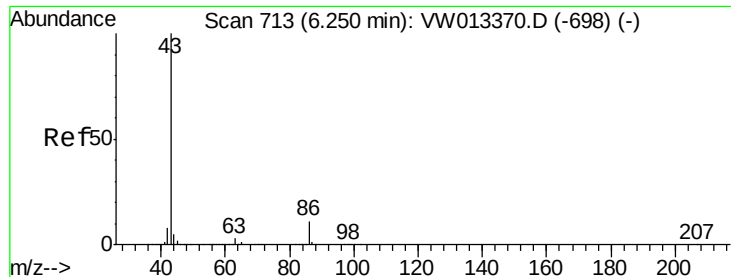
45 100

43 50.7 42.4 63.6

87 27.1 20.4 30.6

59 11.6 8.8 13.2





#23

Vinyl Acetate

Concen: 764.219 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tot Ion: 43 Resp: 4623805

Ion Ratio Lower Upper

43 100

86 11.1 8.3 12.5

Instrument :

MSVOA_W

ClientSampleId :

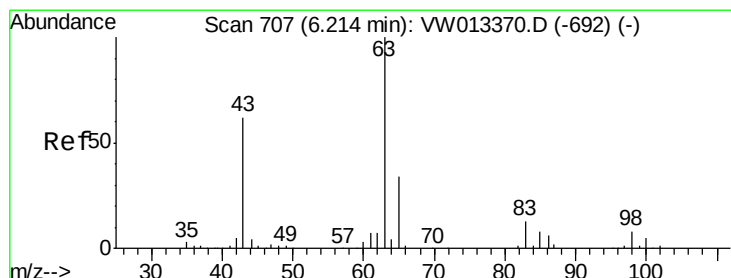
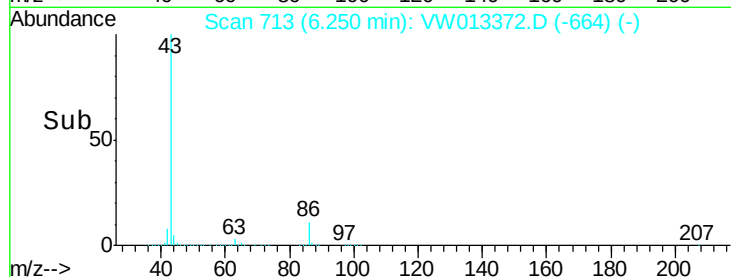
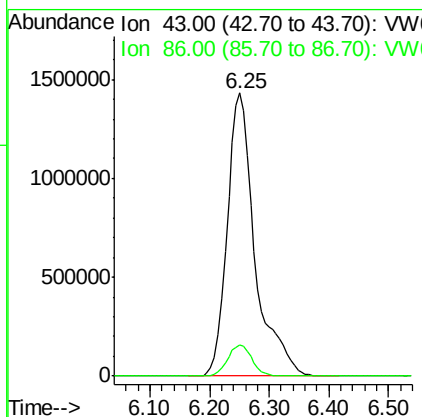
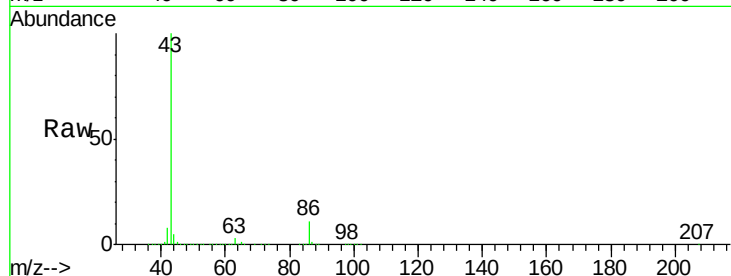
VSTDIC150

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 144.953 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

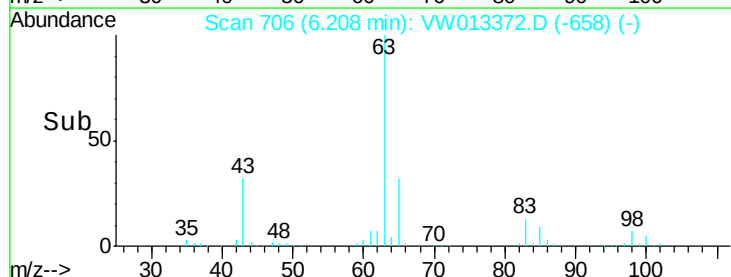
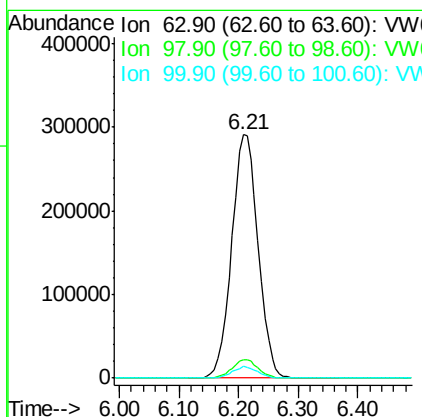
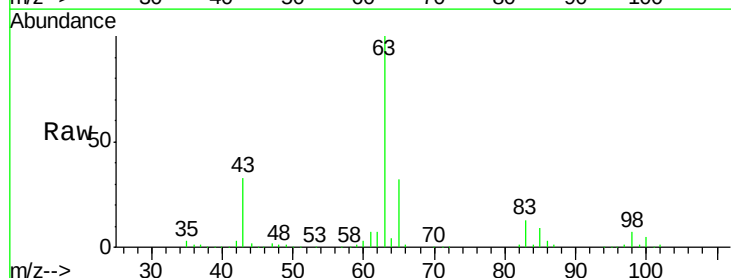
Tgt Ion: 63 Resp: 892058

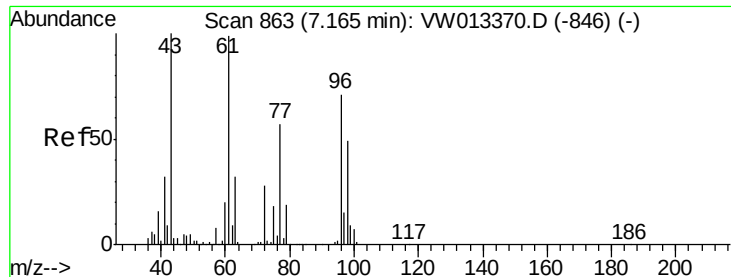
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 818.253 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 819797

Ion Ratio Lower Upper

43 100

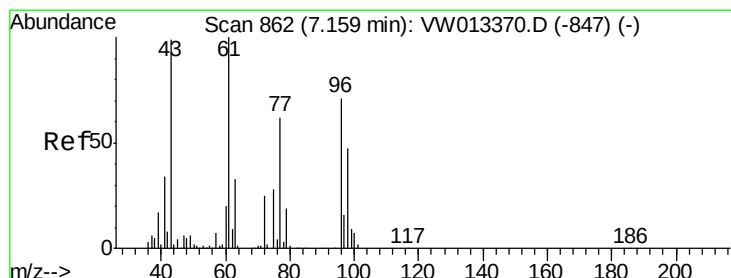
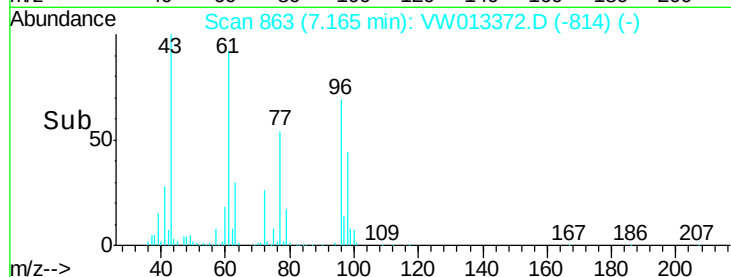
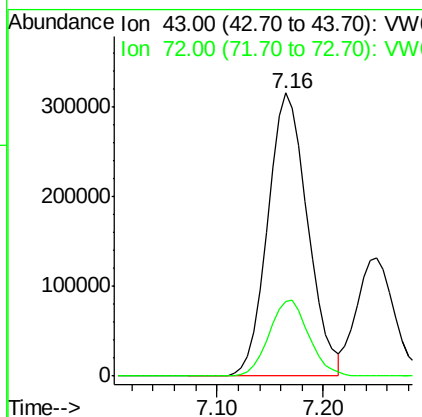
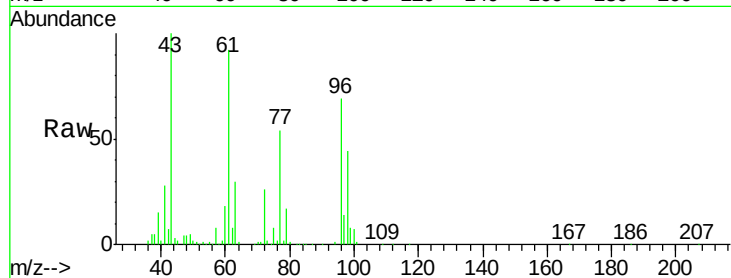
72 26.4 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 121.983 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013372.D

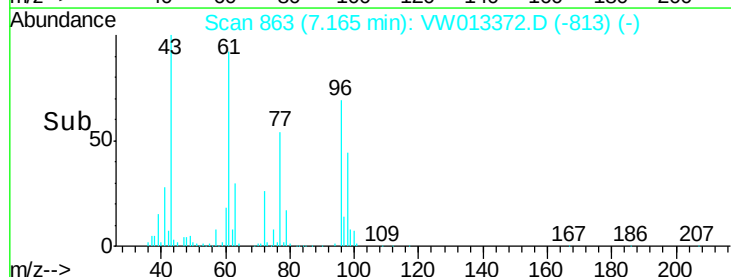
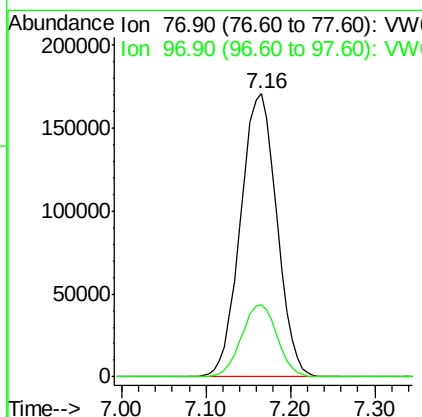
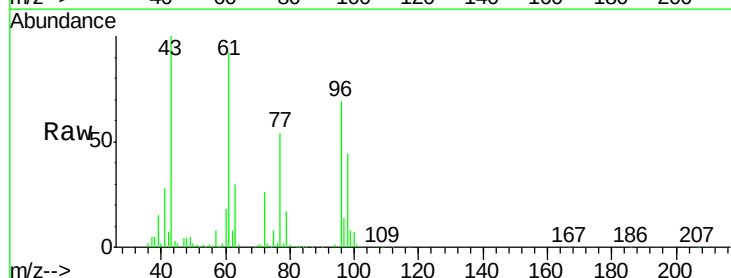
Acq: 01 Oct 2019 15:12

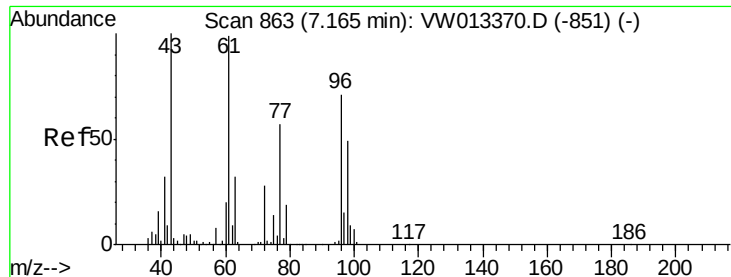
Tgt Ion: 77 Resp: 498501

Ion Ratio Lower Upper

77 100

97 25.1 11.8 35.4





#27

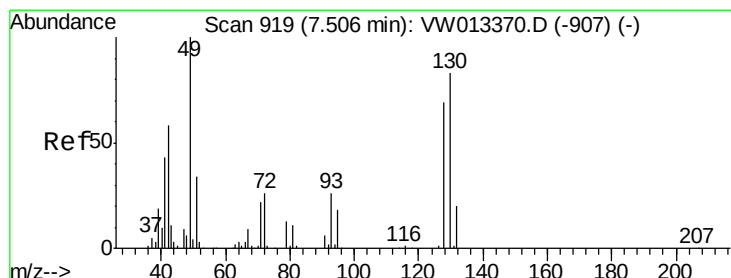
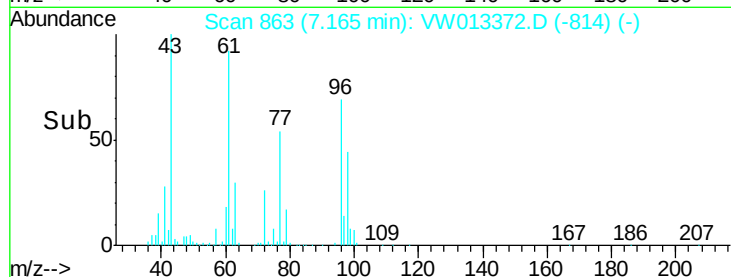
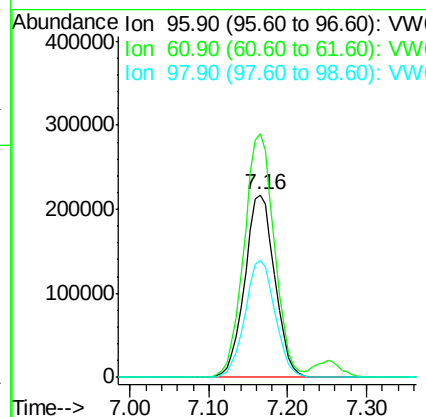
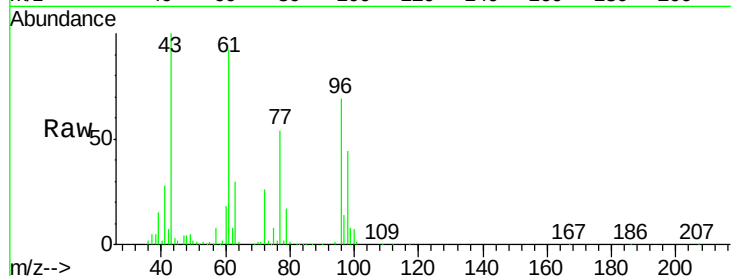
cis-1,2-Dichloroethene
Concen: 149.379 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	574181		
61	134.8	0.0	282.4	
98	64.2	0.0	128.2	

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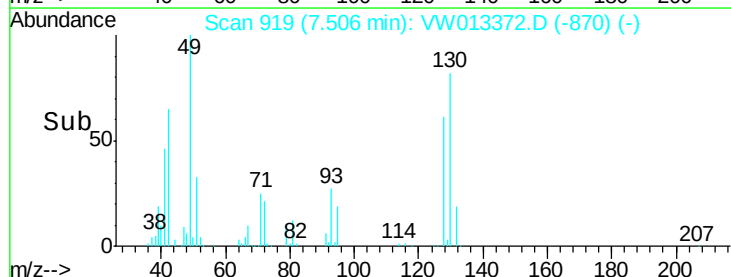
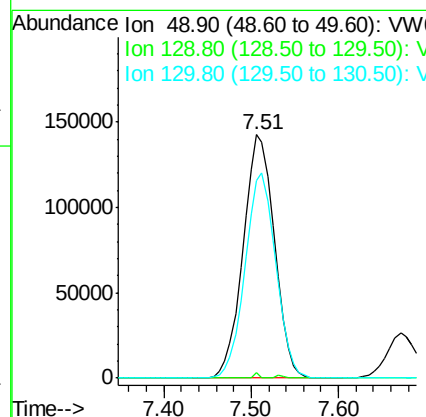
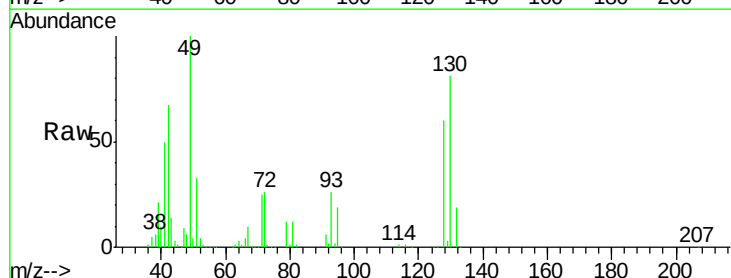
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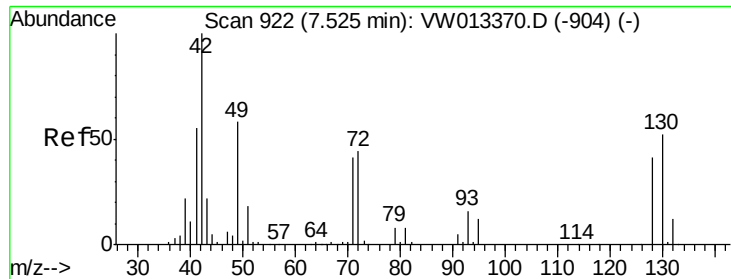


#28

Bromochloromethane
Concen: 150.322 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	355056		
129	0.4	0.0	1.0	
130	82.8	63.4	95.2	





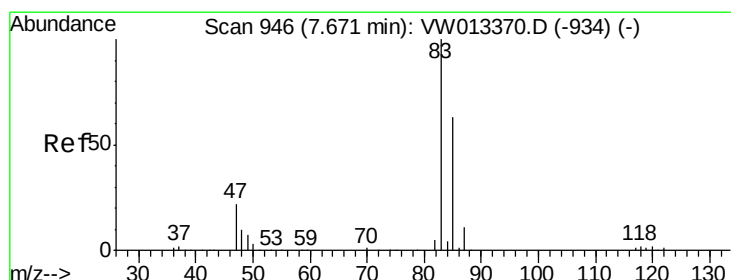
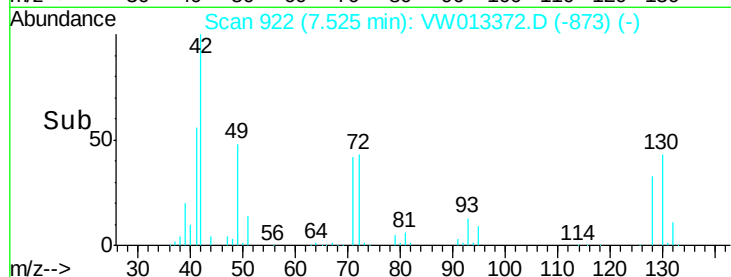
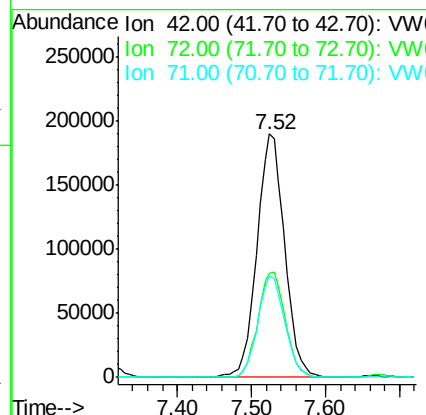
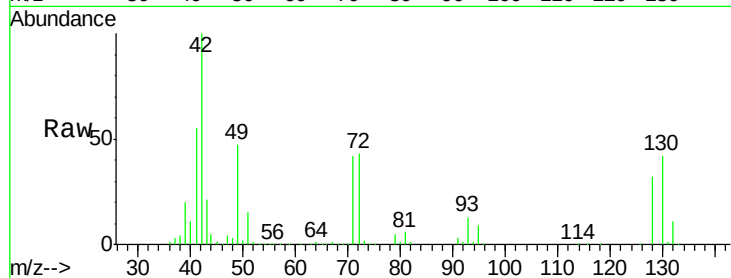
#29
Tetrahydrofuran
Concen: 802.845 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.9	50.9
71	40.8	31.9	47.9

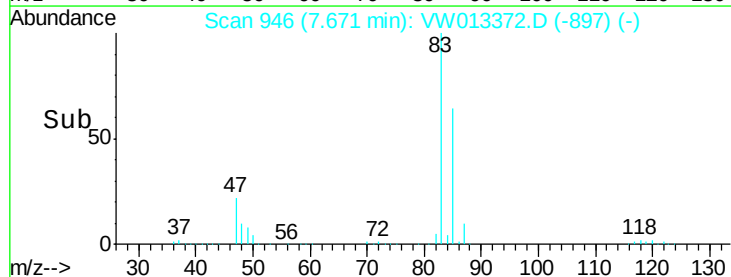
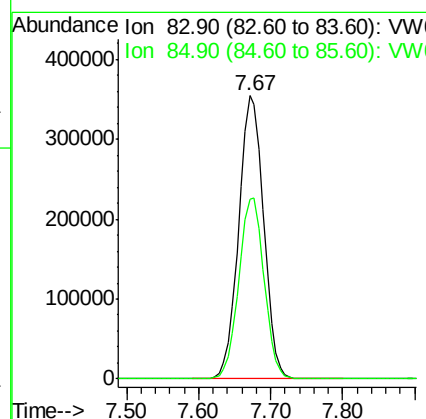
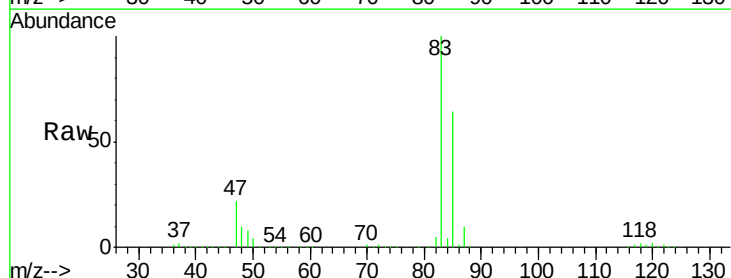
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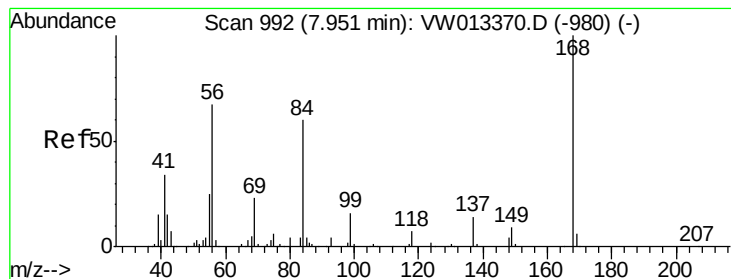
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#30
Chloroform
Concen: 141.303 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.3	78.5





#31

Cyclohexane

Concen: 136.696 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 876916
Ion Ratio Lower Upper

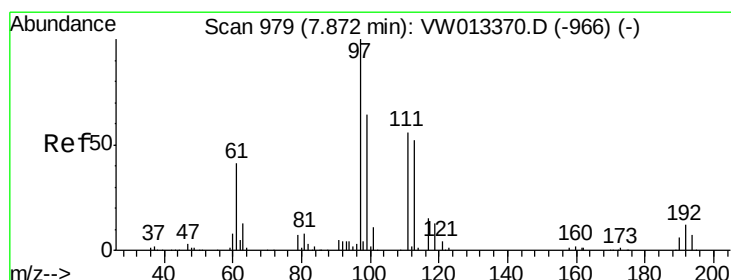
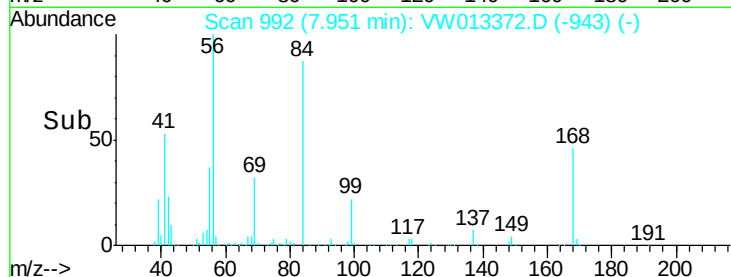
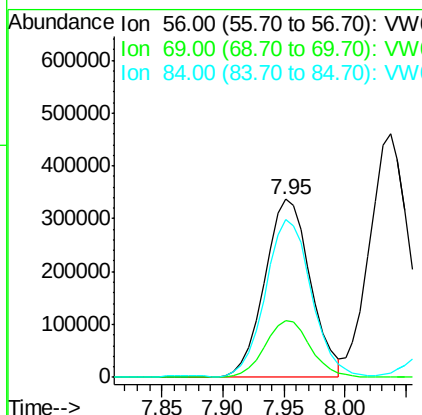
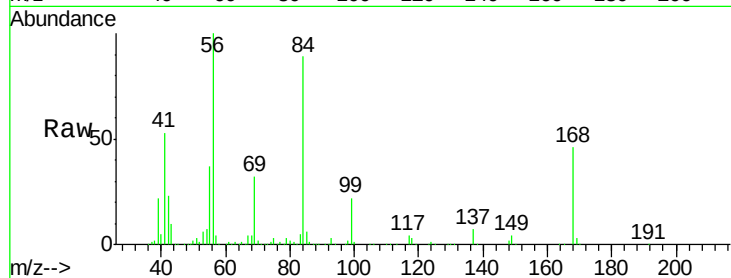
56 100

69 32.0 27.2 40.8

84 88.1 70.8 106.2

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#32

1,1,1-Trichloroethane

Concen: 138.202 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013372.D

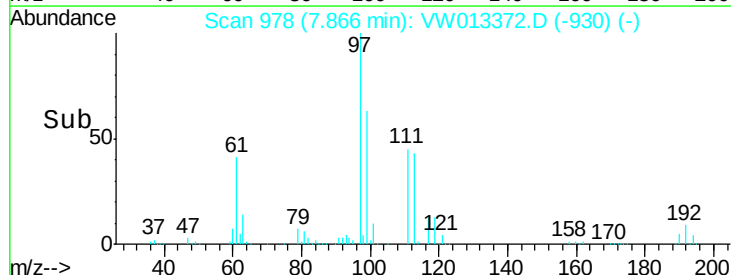
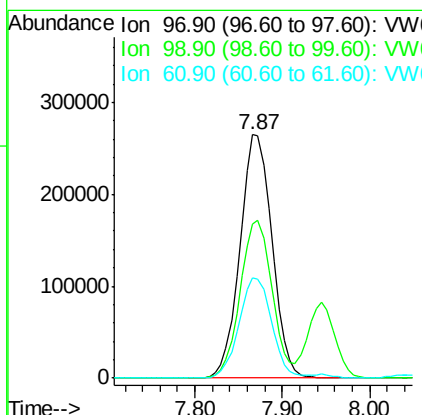
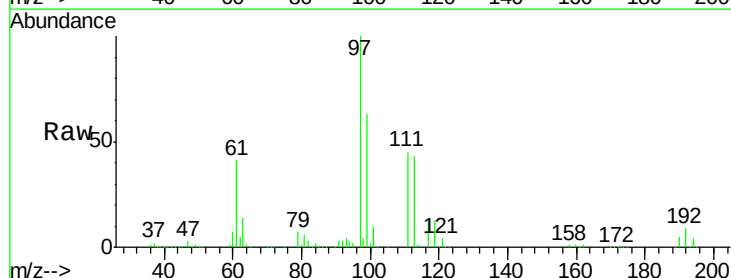
Acq: 01 Oct 2019 15:12

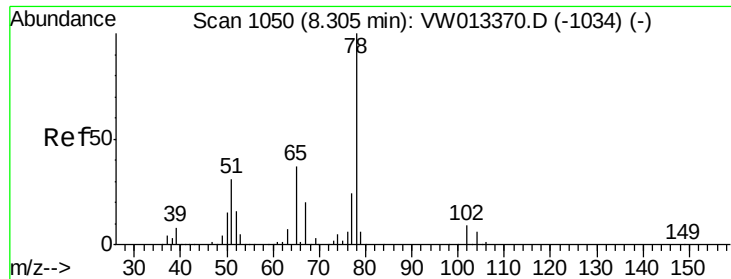
Tgt Ion: 97 Resp: 674410
Ion Ratio Lower Upper

97 100

99 65.1 51.7 77.5

61 42.0 34.6 51.8





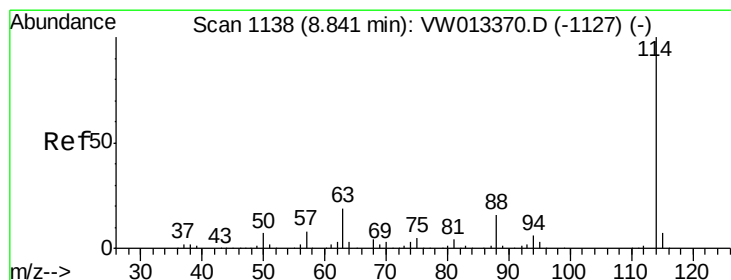
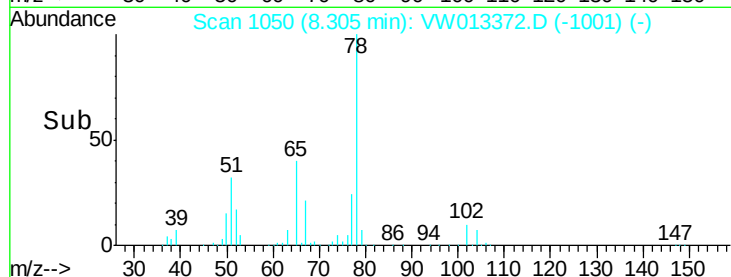
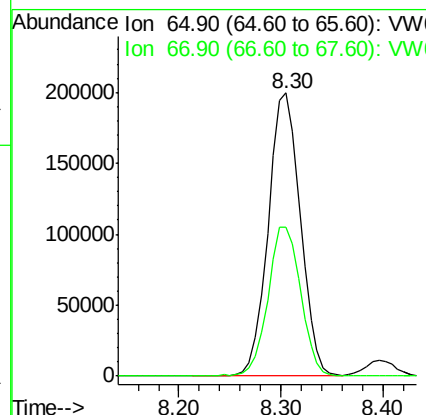
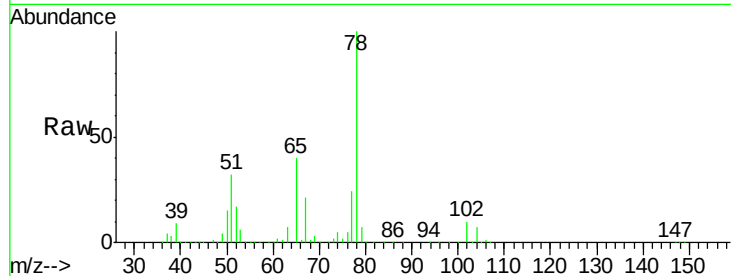
#33
 1,2-Dichloroethane-d4
 Concen: 147.278 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.2

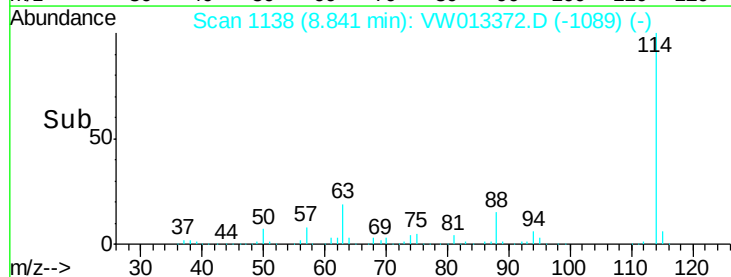
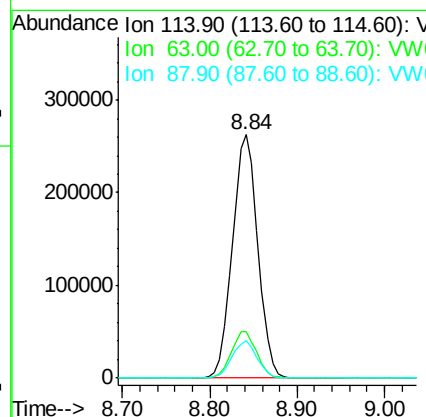
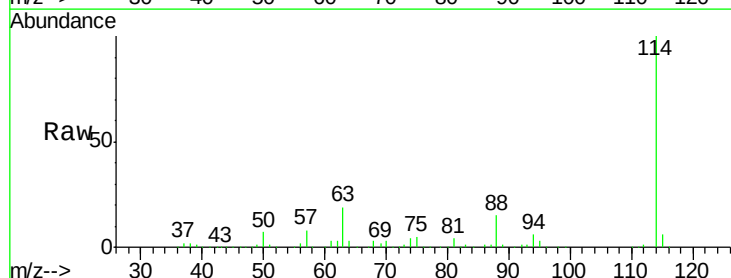
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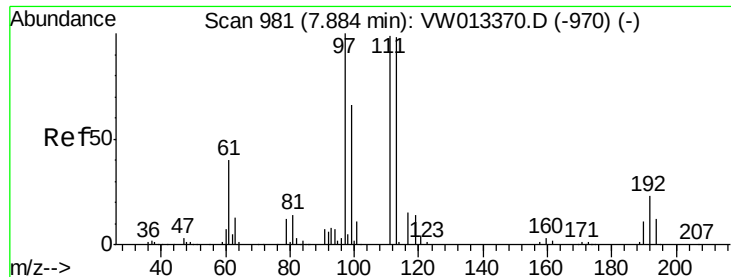
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.4
88	15.4	0.0	32.0





#35

Dibromofluoromethane

Concen: 152.089 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

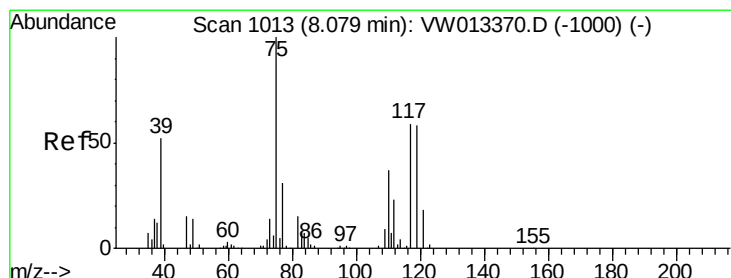
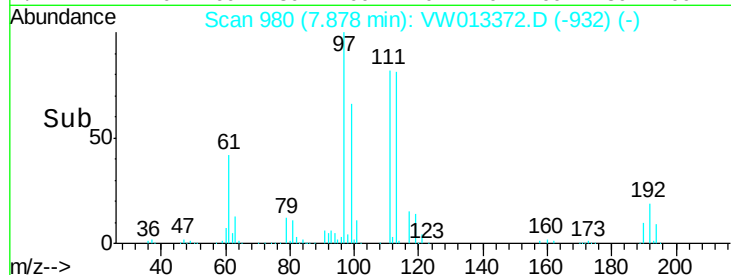
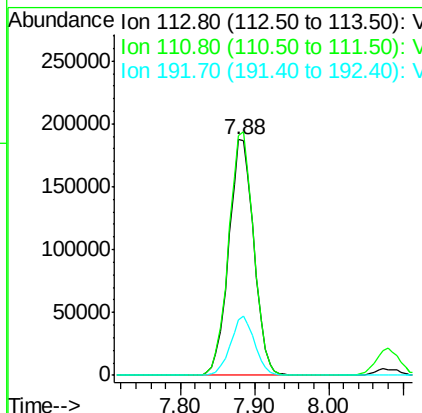
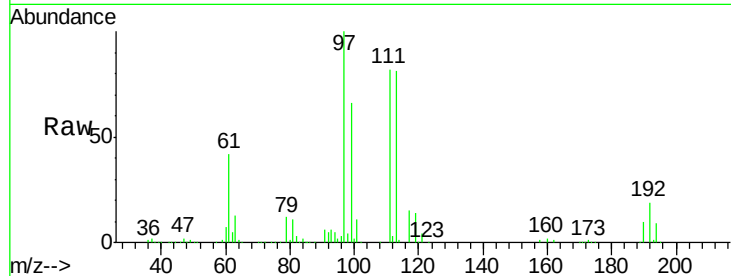
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	441706
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.9	122.9
192	24.1	19.1	28.7

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10/7/2019 8:22:51 AM



#36

1,1-Dichloropropene

Concen: 141.561 ug/l

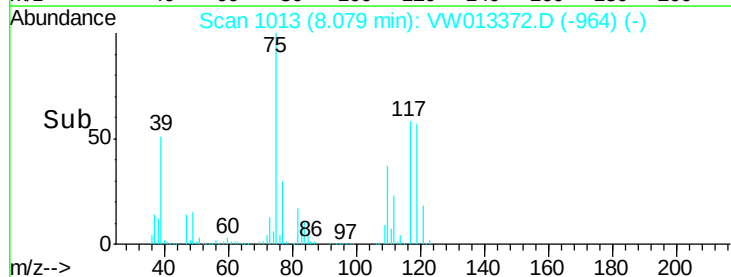
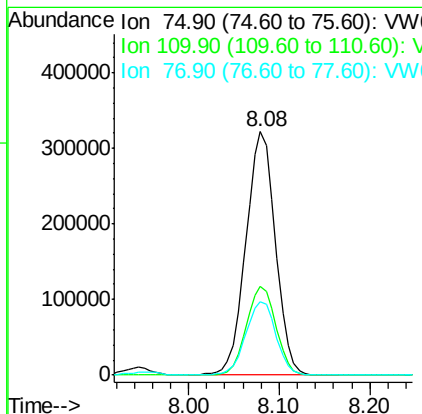
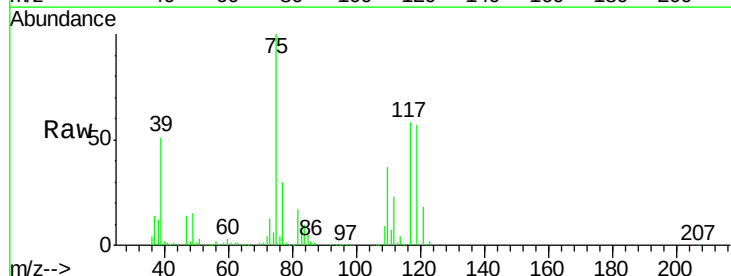
RT: 8.08 min Scan# 1013

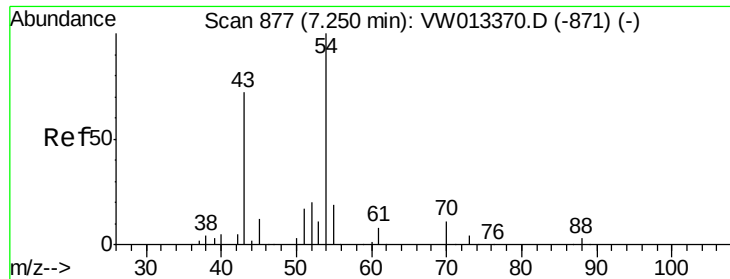
Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion:	75	Resp:	724013
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.3
77	31.0	25.8	38.6





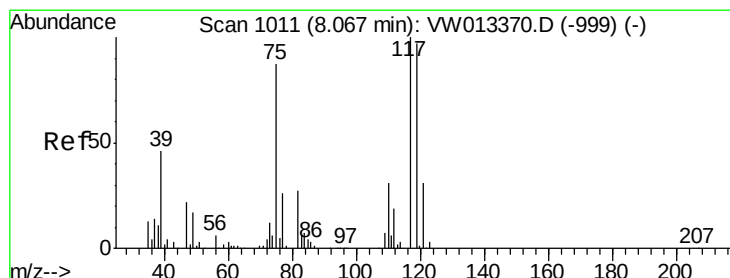
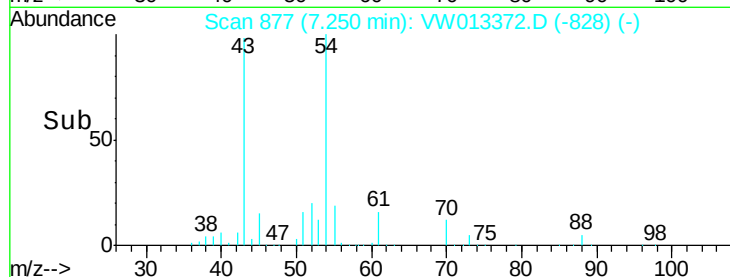
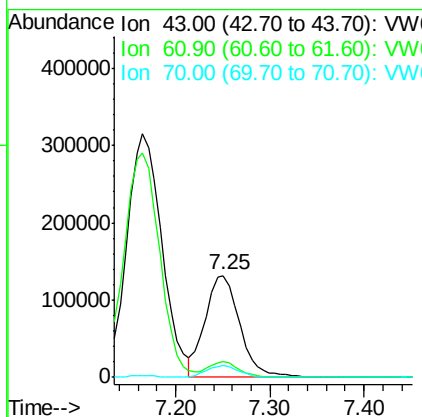
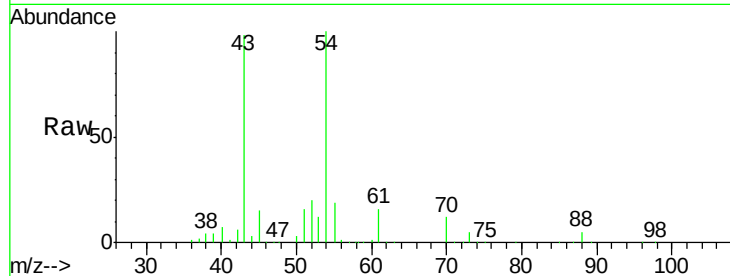
#37
Ethyl Acetate
Concen: 154.043 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	11.0	8.2	12.2

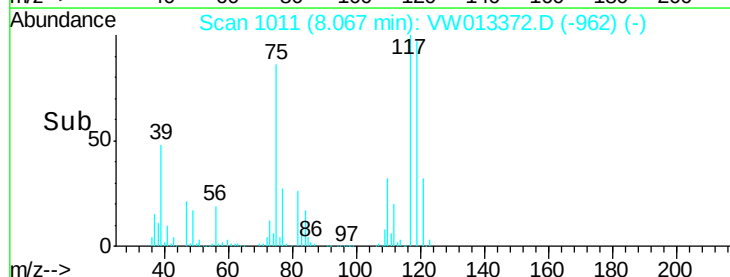
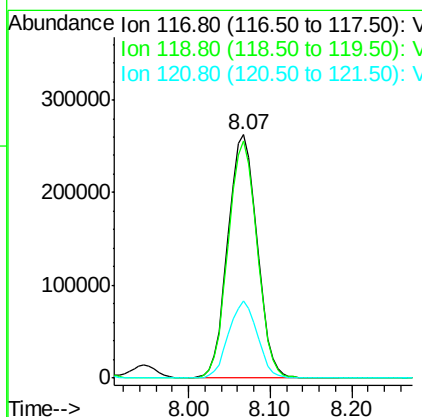
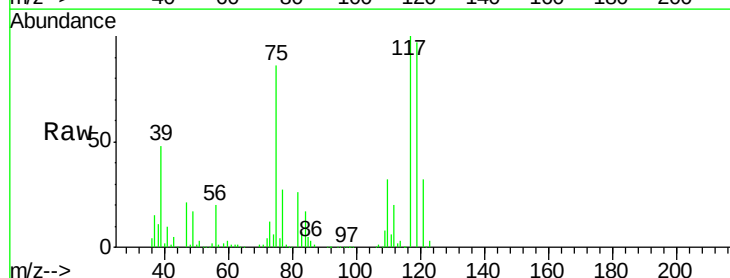
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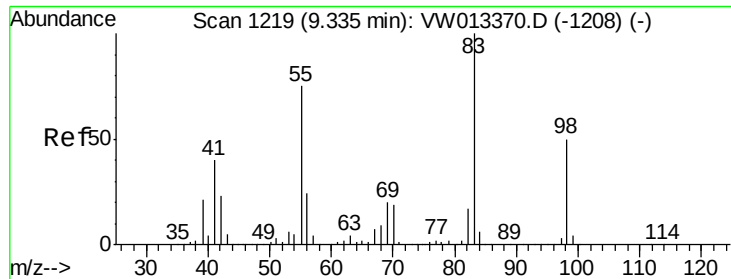
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#38
Carbon Tetrachloride
Concen: 141.858 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.5	110.3
121	31.9	25.0	37.6





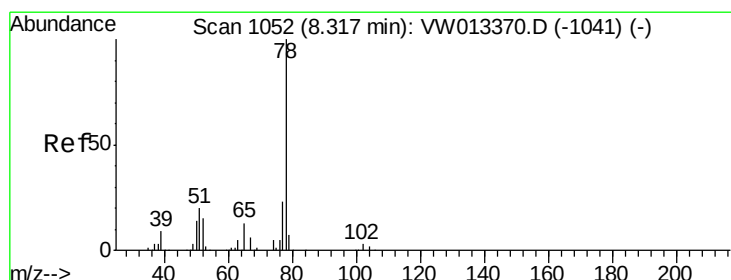
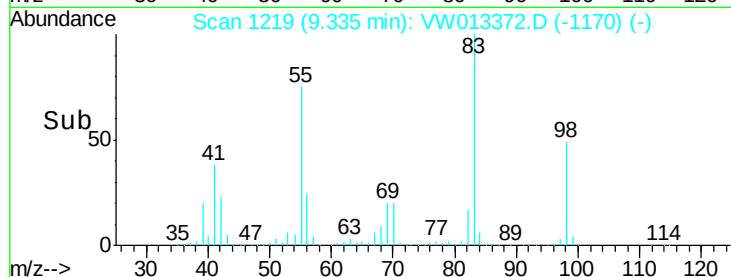
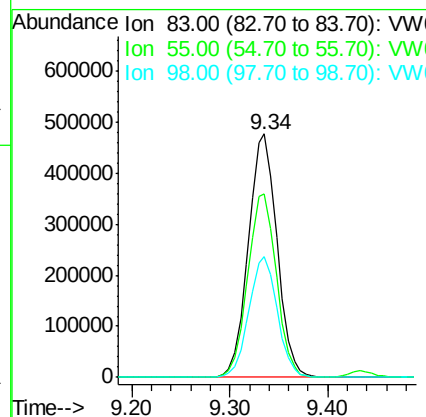
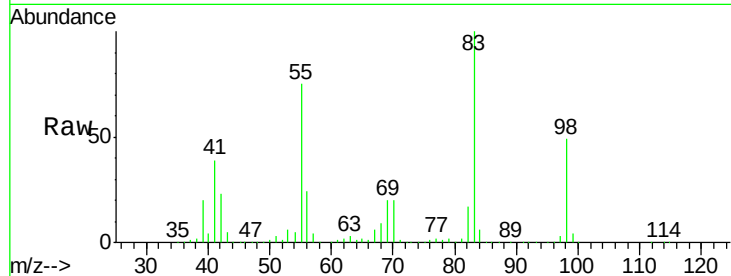
#39
Methylvlcyclohexane
Concen: 147.420 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	83.00	Resp	968950
Ion Ratio	100	Lower	Upper
83	100		
55	75.3	60.4	90.6
98	49.4	40.0	60.0

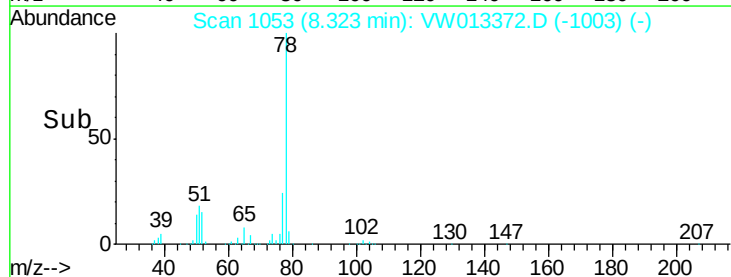
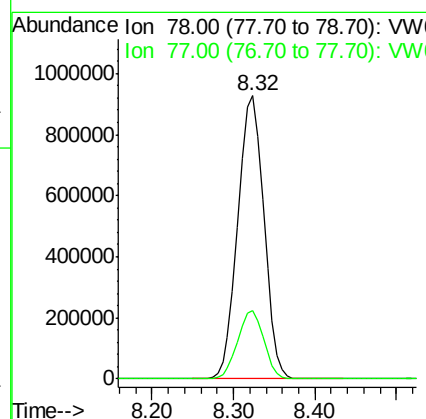
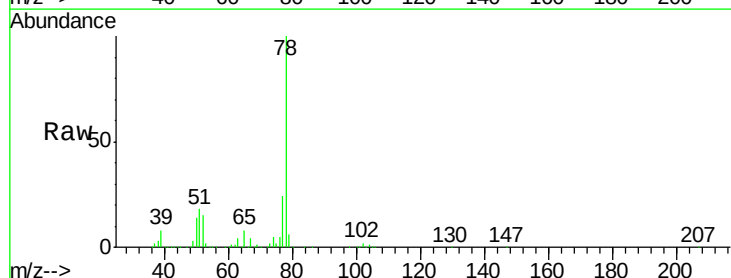
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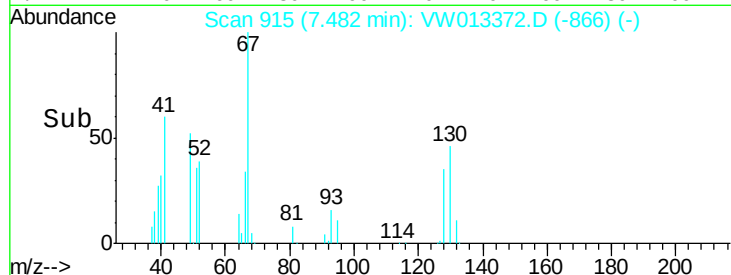
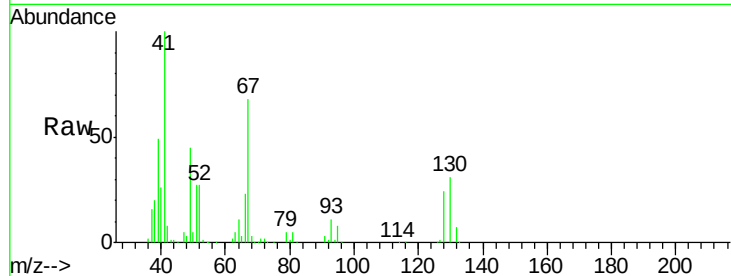
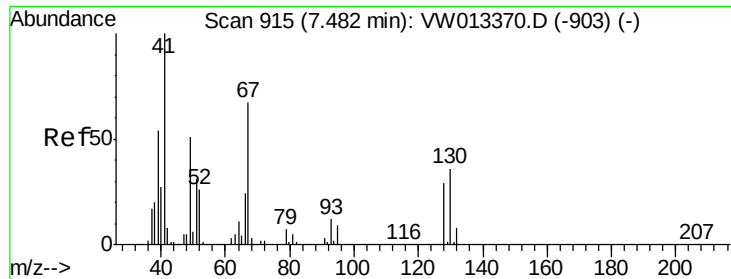
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#40
Benzene
Concen: 143.864 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	78.00	Resp	2052341
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.1	28.7





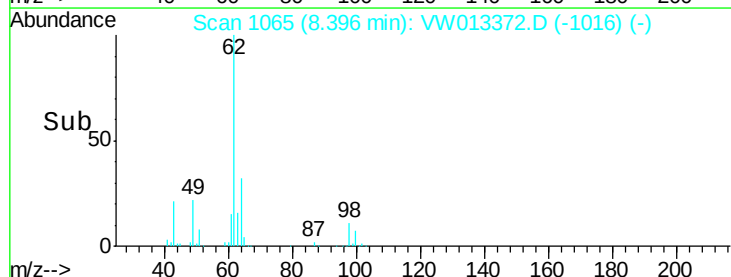
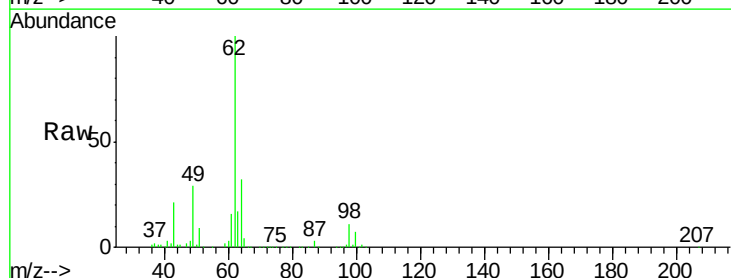
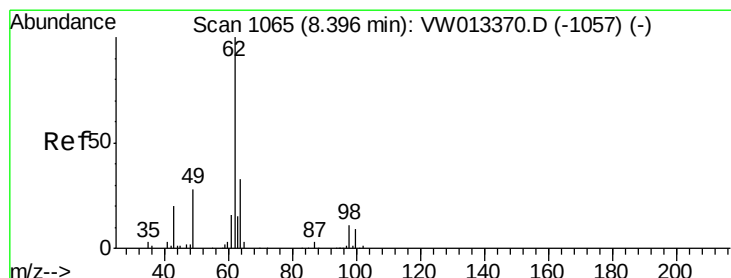
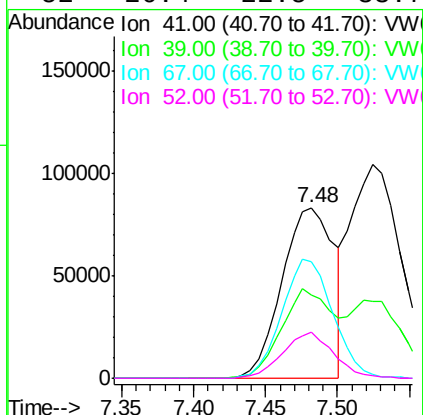
#41
Methacrylonitrile
Concen: 161.942 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		210090		
39	50.5	45.9	68.9		
67	68.7	54.5	81.7		
52	26.4	22.5	33.7		

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

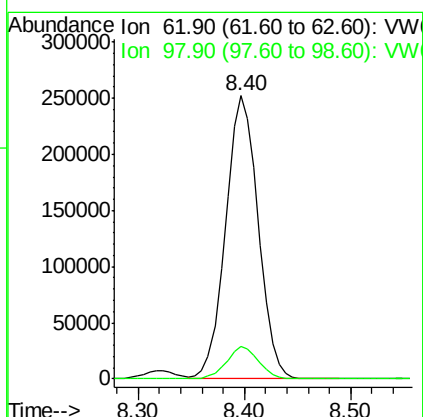
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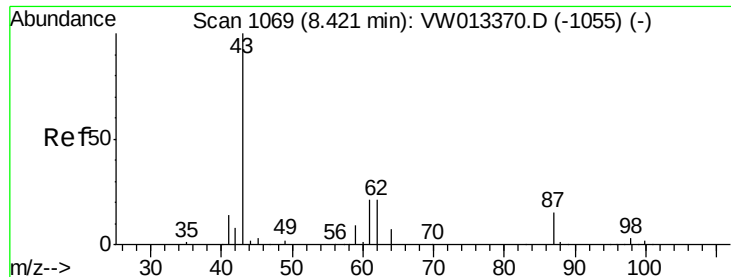
MMDadoda
10/7/2019 8:22:51 AM



#42
1,2-Dichloroethane
Concen: 140.622 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		539278		
98	11.2	0.0	20.6		





#43

Isopropyl Acetate

Concen: 153.720 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

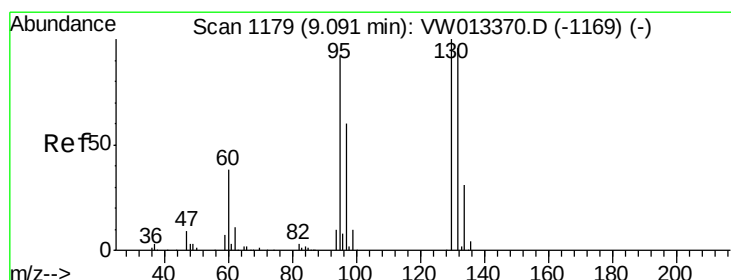
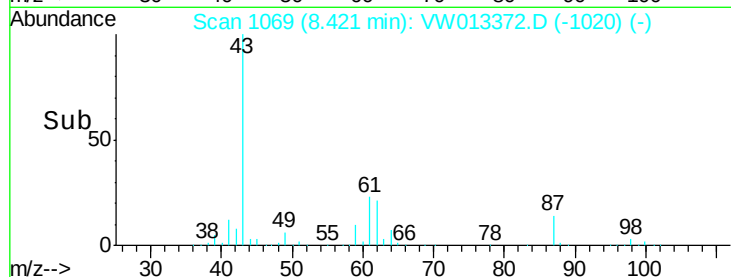
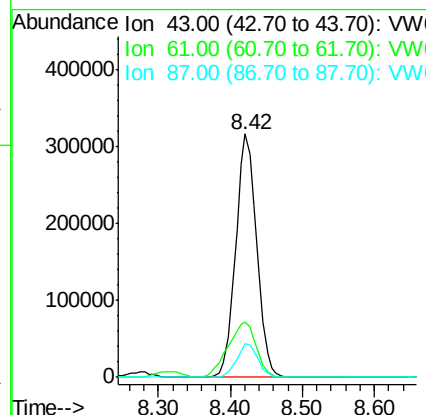
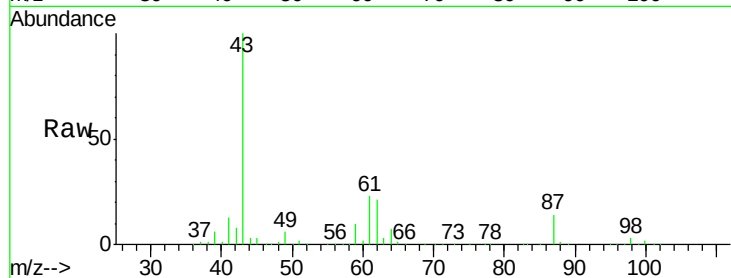
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	640405
Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.5	38.3
87	13.8	11.0	16.4

Manual Integrations
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10/7/2019 8:22:51 AM



#44

Trichloroethene

Concen: 147.130 ug/l

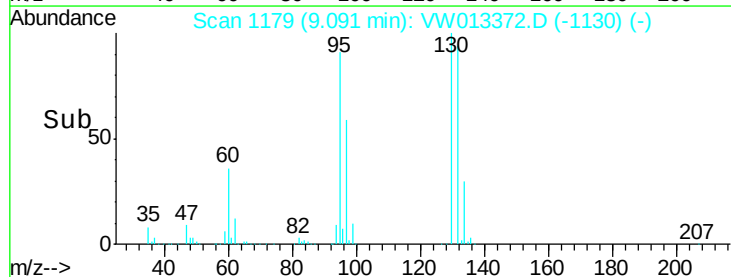
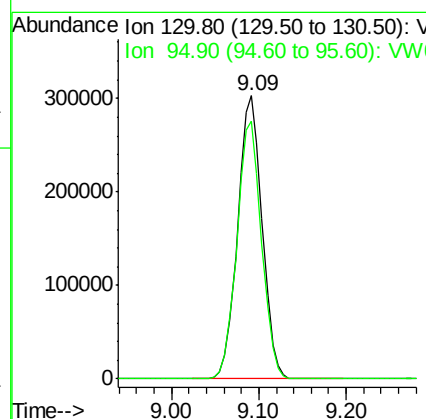
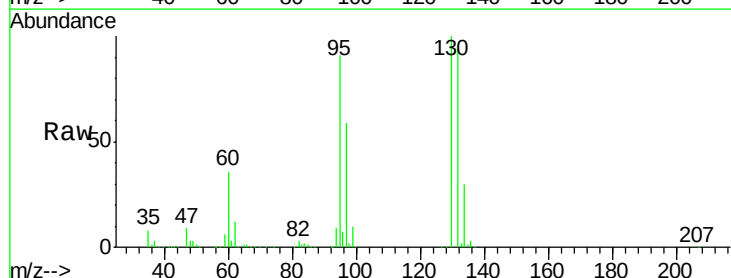
RT: 9.09 min Scan# 1179

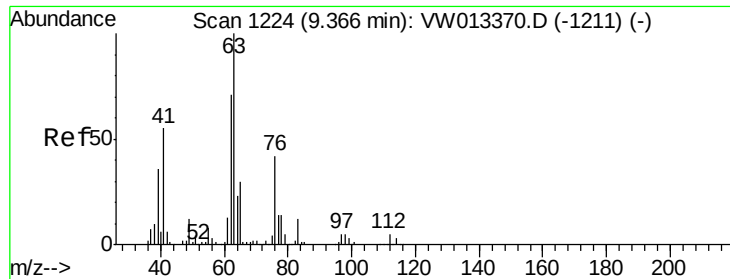
Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion:	130	Resp:	588900
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	188.0





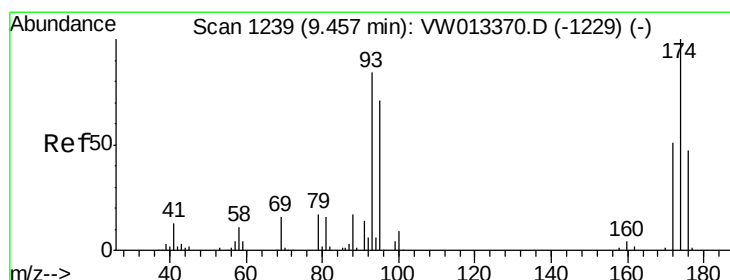
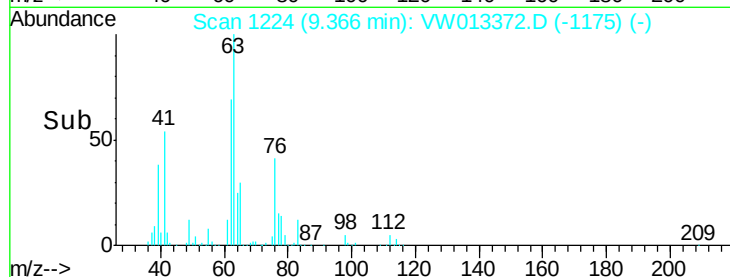
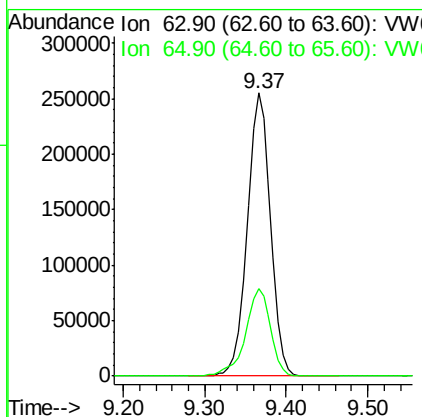
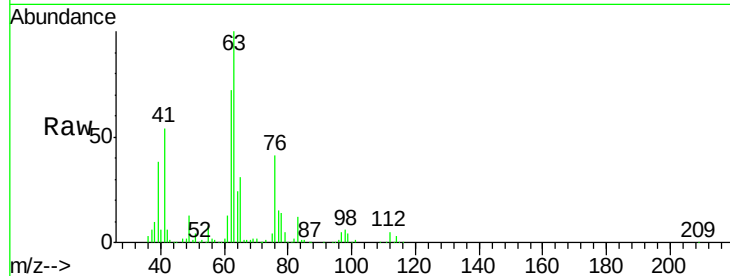
#45
 1,2-Dichloropropane
 Concen: 145.045 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.3	37.9

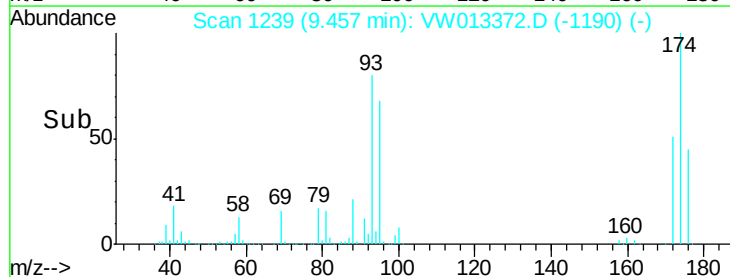
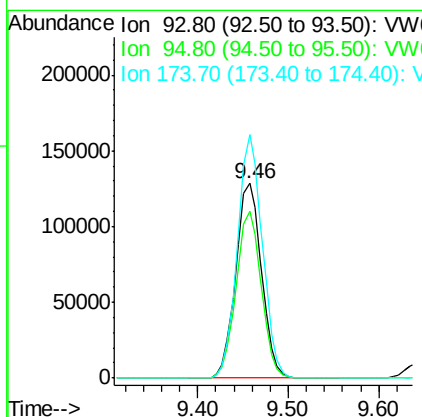
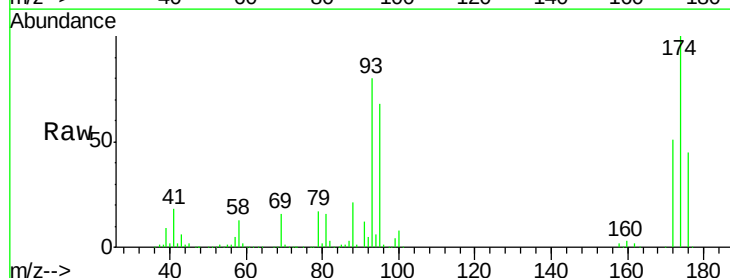
Manual Integrations
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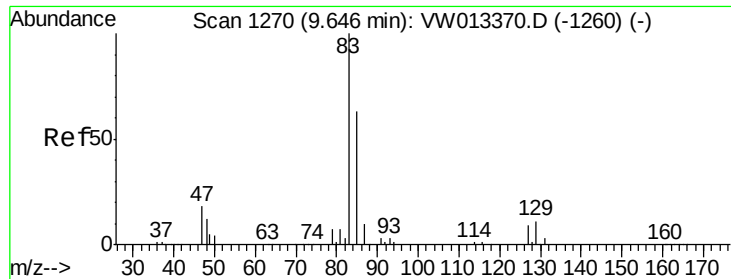
MMDadoda
 10/7/2019 8:22:51 AM



#46
 Dibromomethane
 Concen: 149.815 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.4	99.6
174	120.9	93.0	139.6





#47

Bromodichloromethane

Concen: 149.248 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

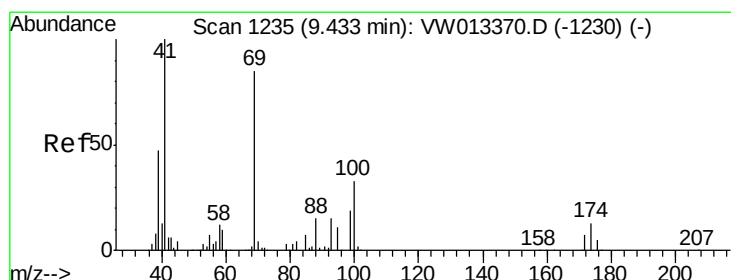
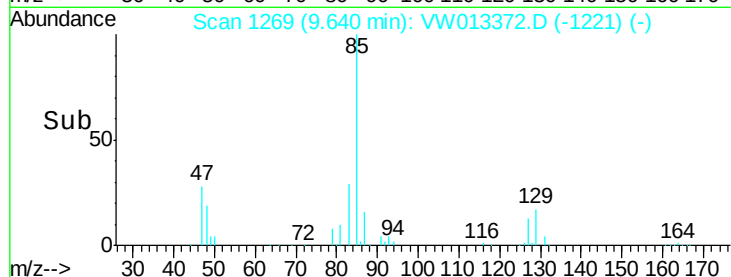
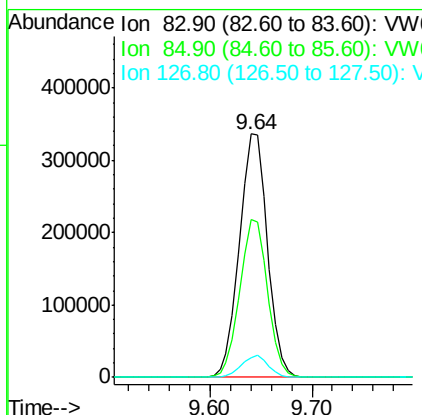
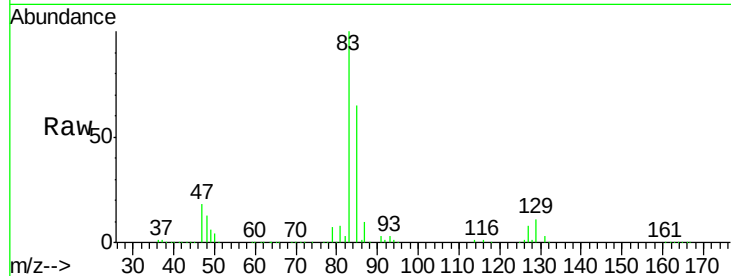
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	642163
Ion Ratio	Lower	Upper	
83	100		
85	64.8	49.4	74.2
127	8.3	6.5	9.7

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#48

Methyl methacrylate

Concen: 165.610 ug/l

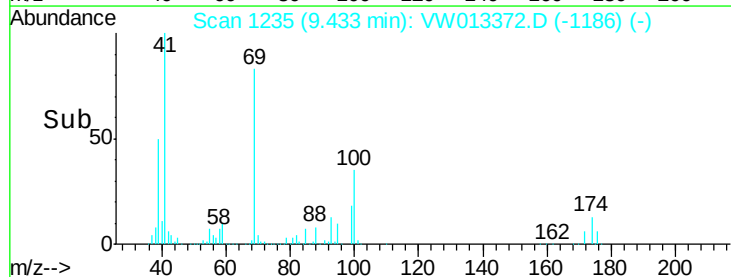
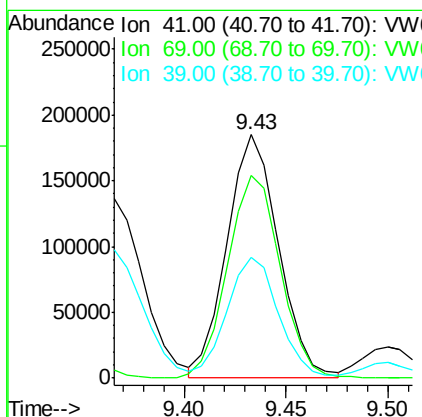
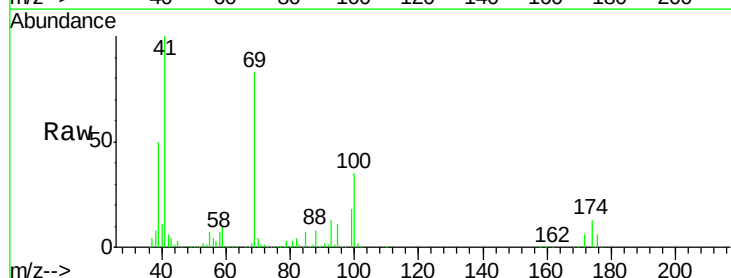
RT: 9.43 min Scan# 1235

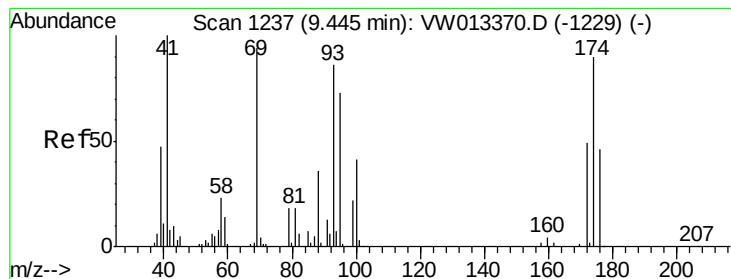
Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion:	41	Resp:	324425
Ion Ratio	Lower	Upper	
41	100		
69	85.3	69.7	104.5
39	47.3	41.1	61.7





#49

1,4-Dioxane

Concen: 3087.527 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 78368

Ion Ratio Lower Upper

88 100

43 28.7 0.0 0.0#

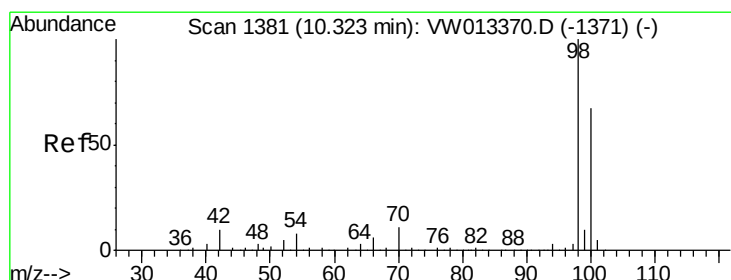
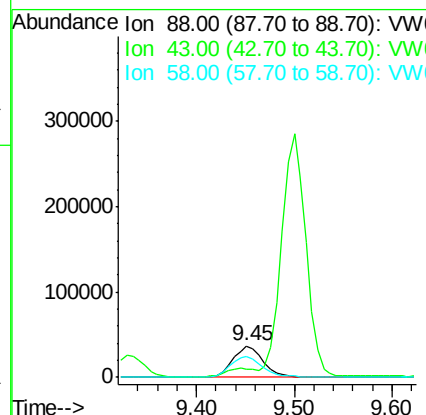
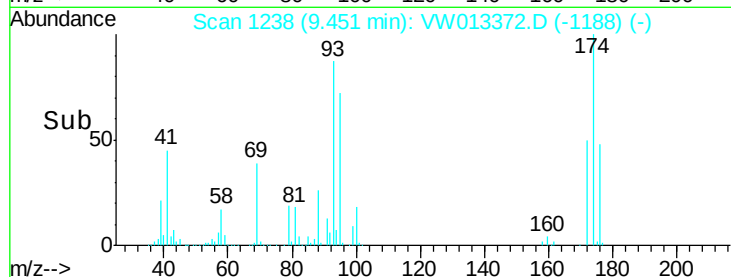
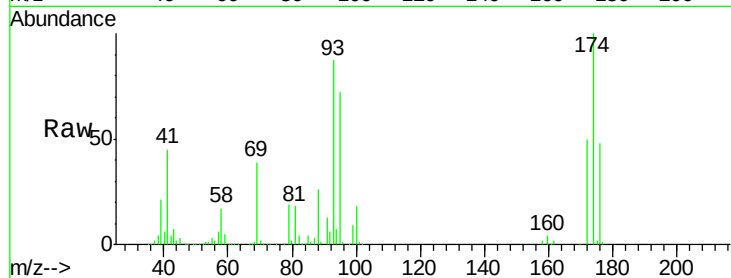
58 72.0 65.4 98.0

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#50

Toluene-d8

Concen: 151.060 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013372.D

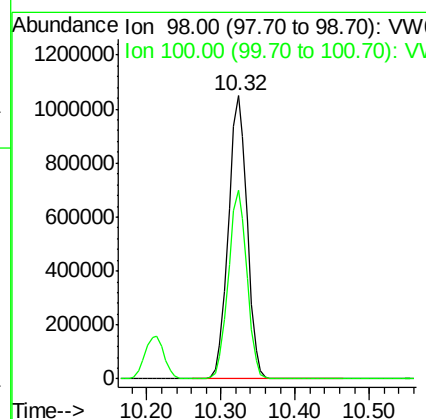
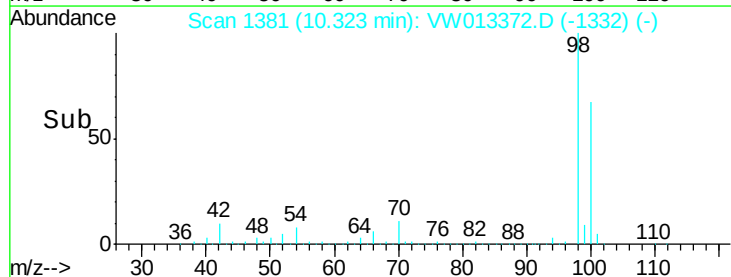
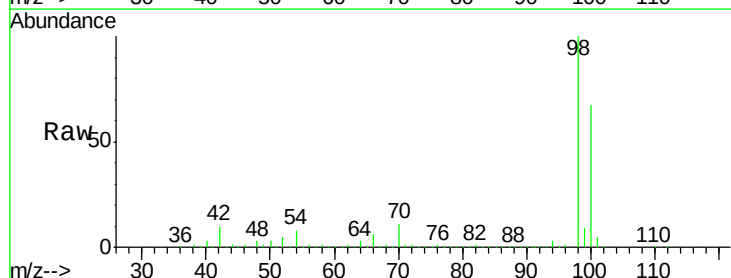
Acq: 01 Oct 2019 15:12

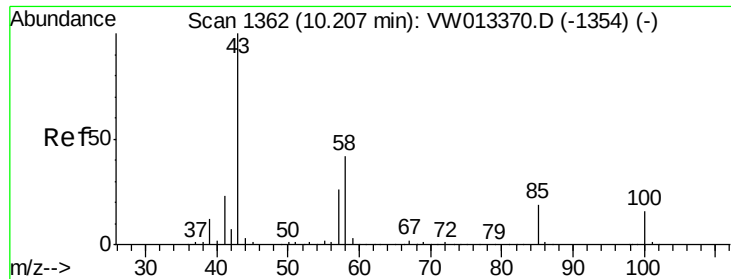
Tgt Ion: 98 Resp: 1836088

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3





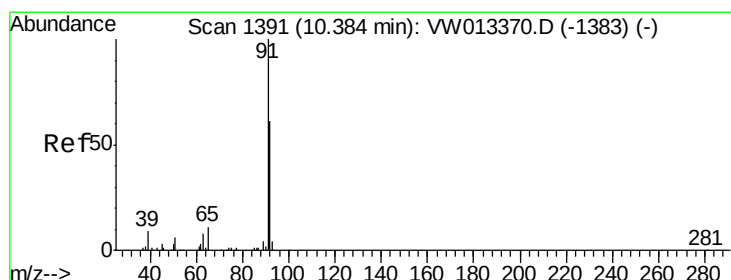
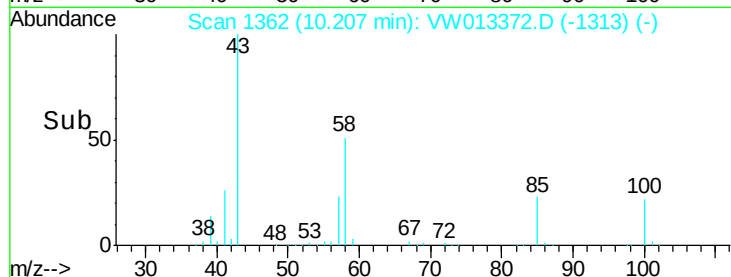
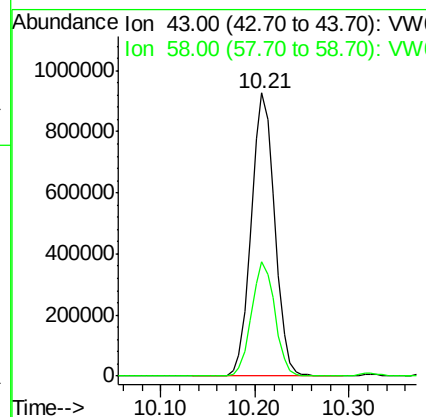
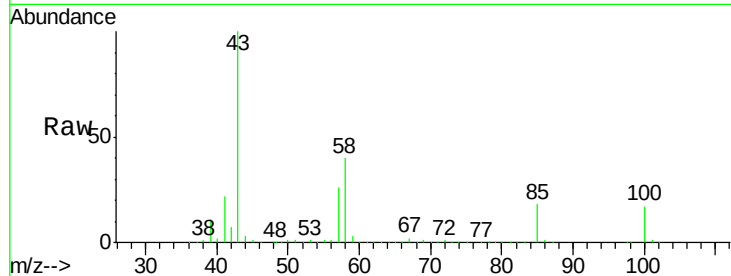
#51
4-Methyl-2-Pentanone
Concen: 775.360 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1619357
Ion Ratio Lower Upper
43 100
58 40.3 31.7 47.5

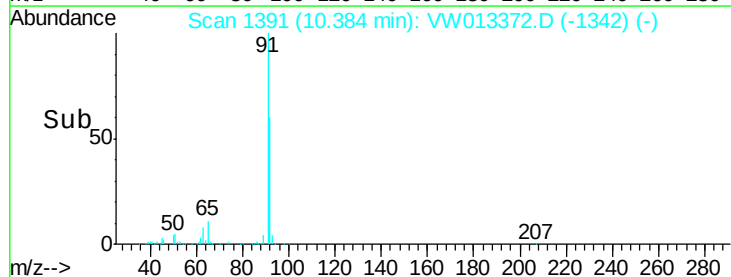
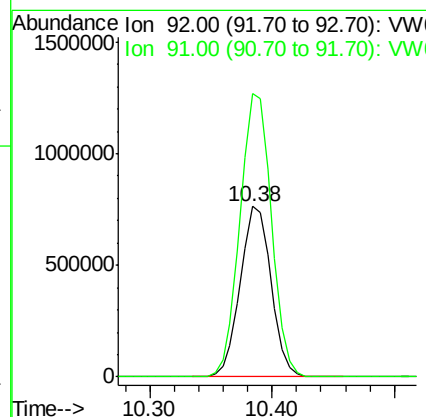
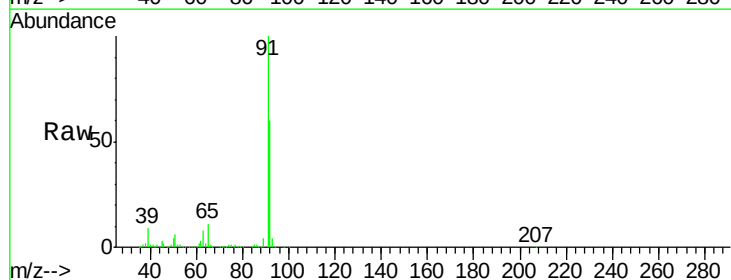
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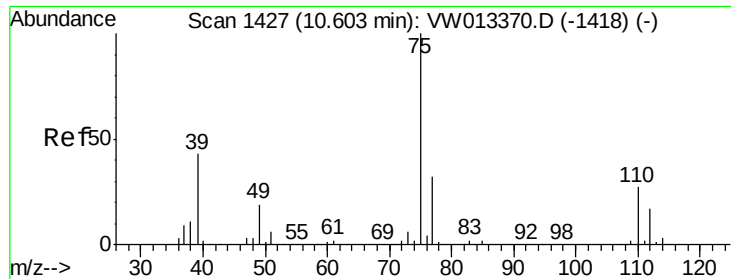
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#52
Toluene
Concen: 145.675 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 92 Resp: 1331892
Ion Ratio Lower Upper
92 100
91 169.8 135.7 203.5





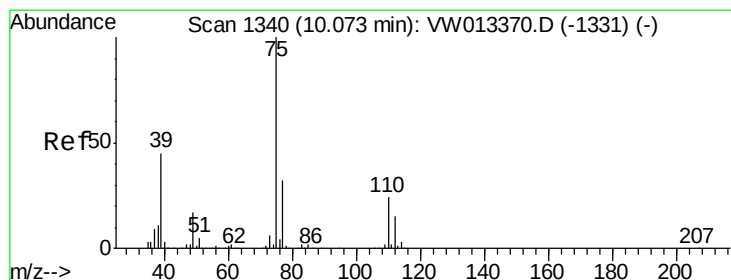
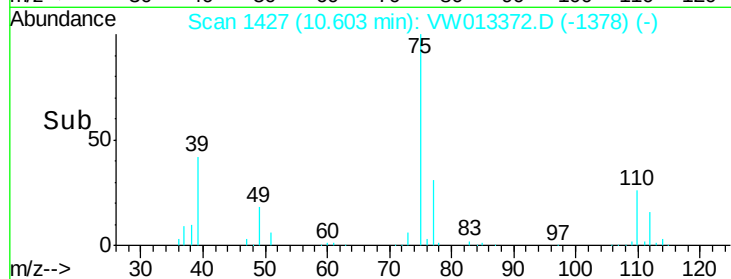
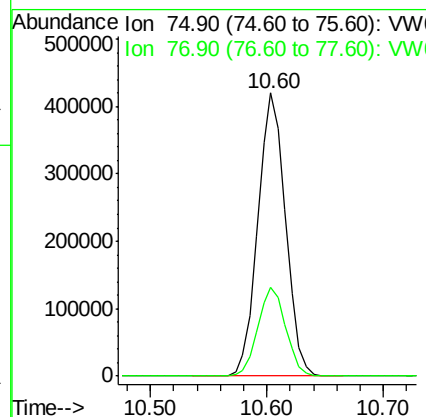
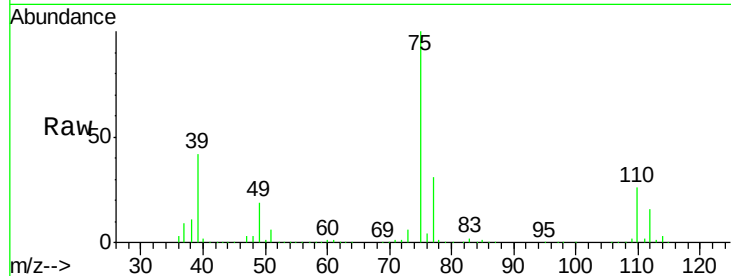
#53
t-1,3-Dichloropropene
Concen: 157.674 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3

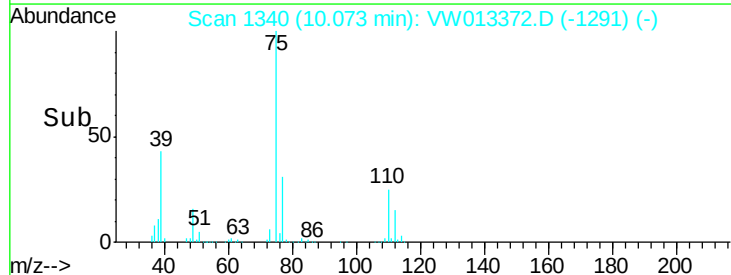
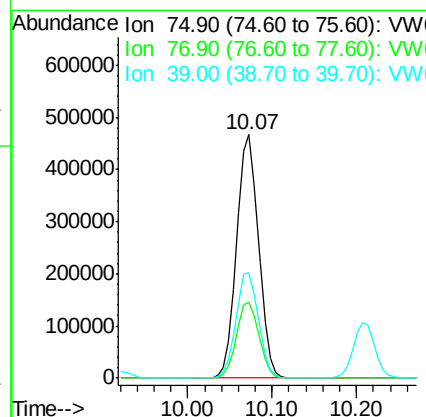
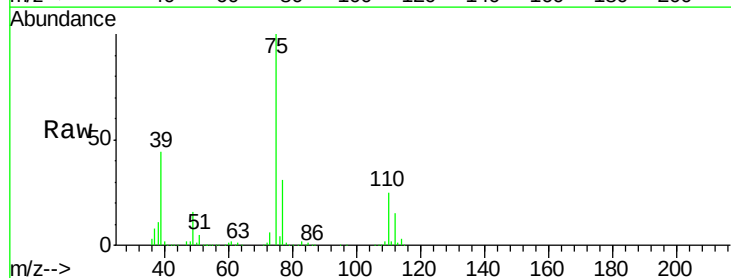
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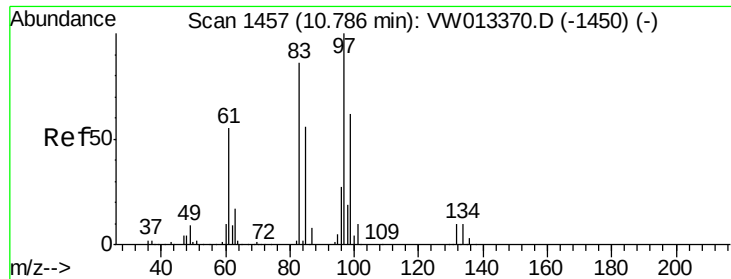
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 152.905 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	43.5	36.6	55.0





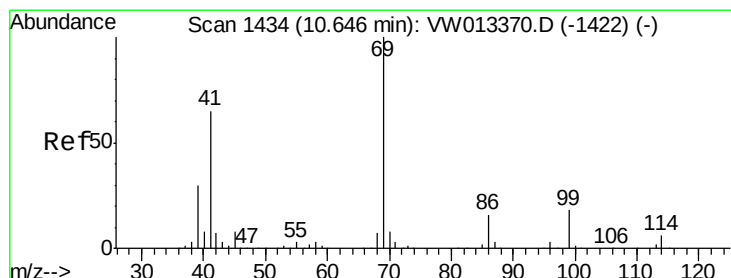
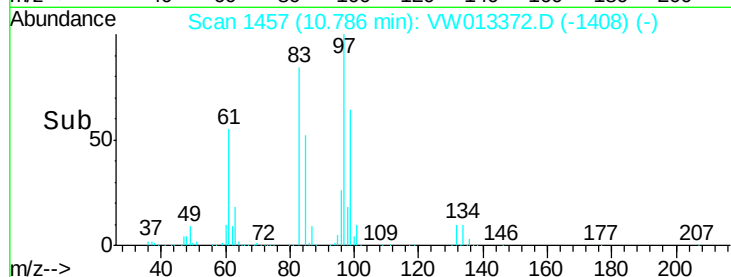
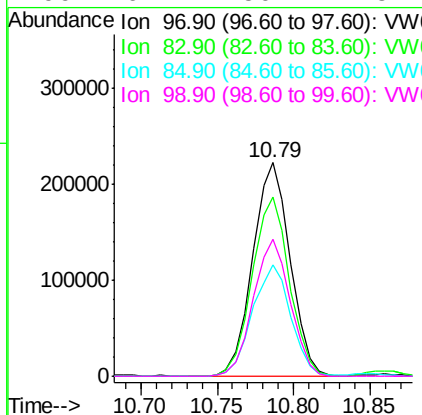
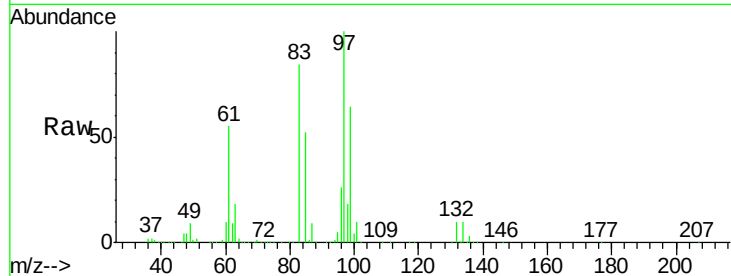
#55
 1,1,2-Trichloroethane
 Concen: 149.704 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	378363
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.6	101.4
85	51.9	41.9	62.9
99	64.4	50.1	75.1

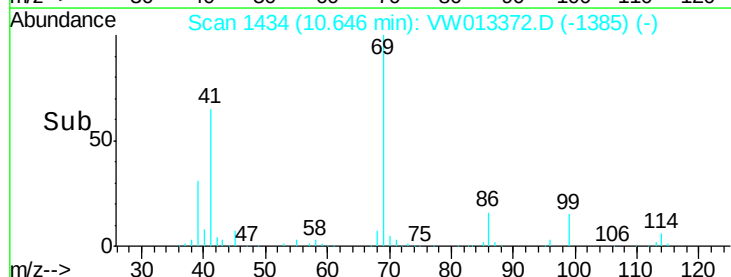
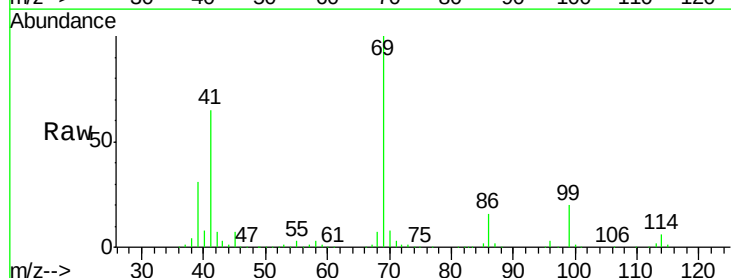
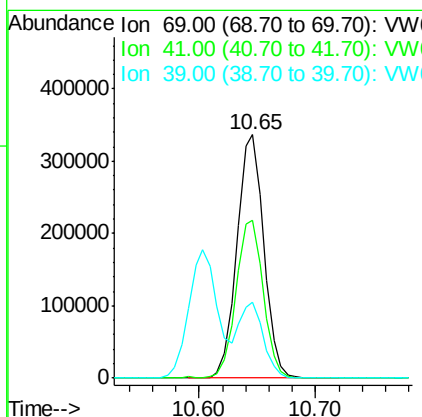
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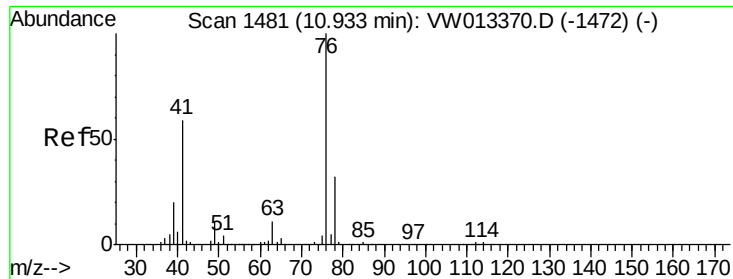
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#56
 Ethyl methacrylate
 Concen: 164.060 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion:	69	Resp:	542661
Ion	Ratio	Lower	Upper
69	100		
41	65.4	53.9	80.9
39	28.0	23.8	35.6





#57

1,3-Dichloropropane

Concen: 150.153 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 662241

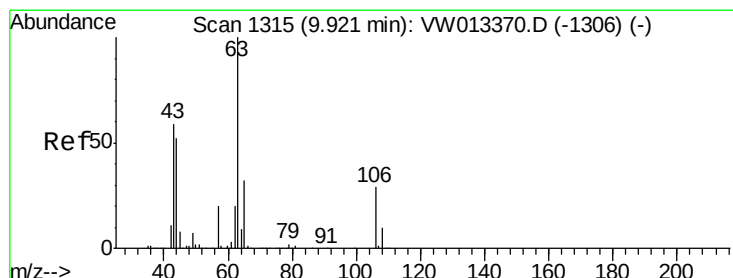
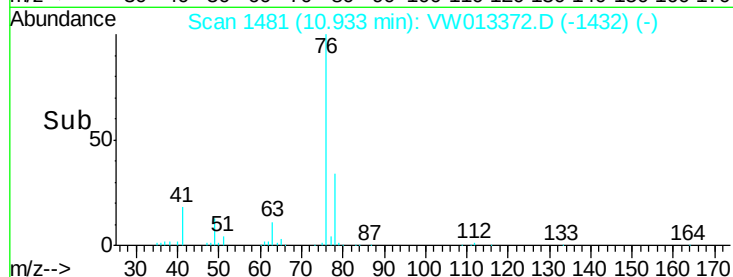
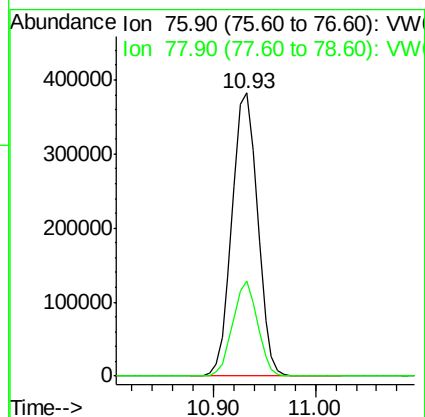
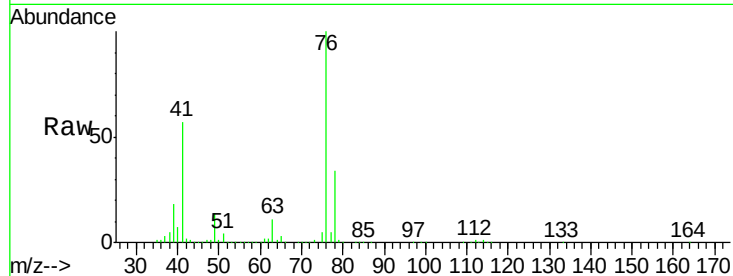
Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 731.884 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013372.D

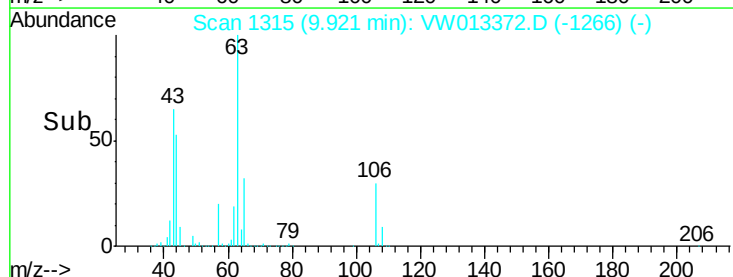
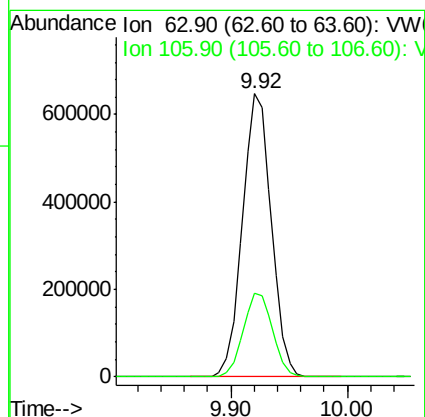
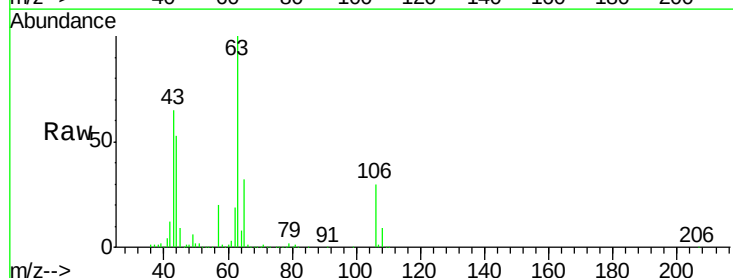
Acq: 01 Oct 2019 15:12

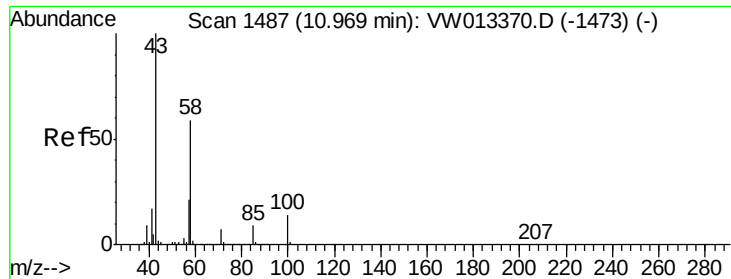
Tgt Ion: 63 Resp: 1120721

Ion Ratio Lower Upper

63 100

106 30.1 23.4 35.0





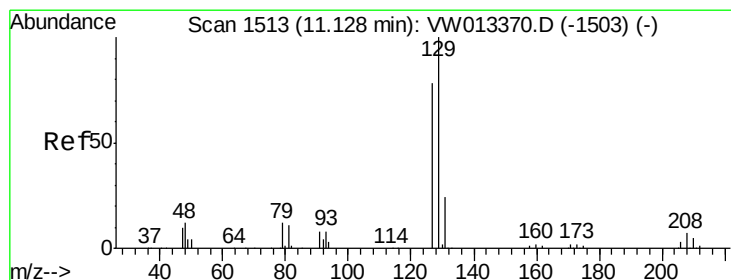
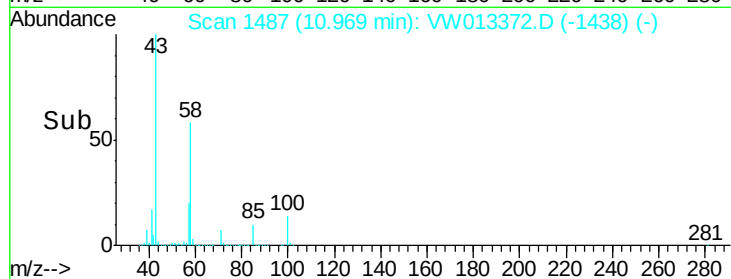
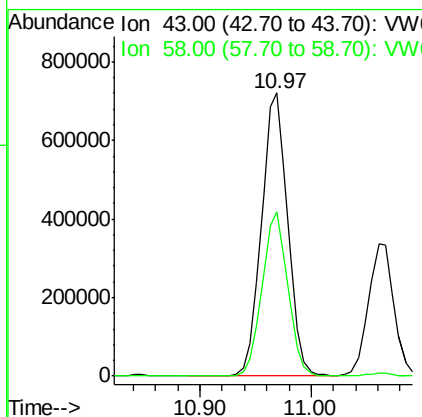
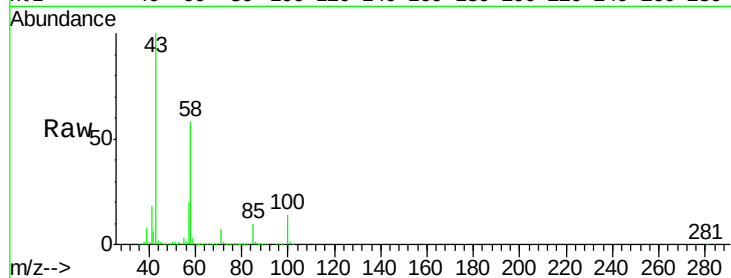
#59
2-Hexanone
Concen: 823.360 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1183084
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.2

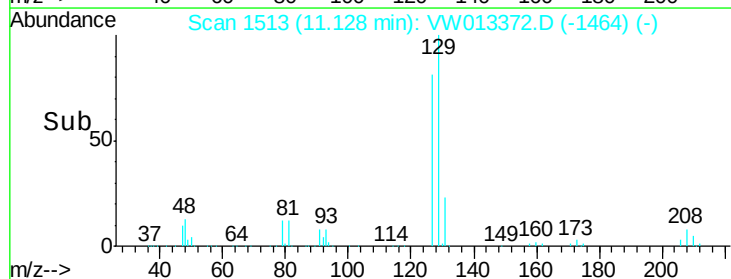
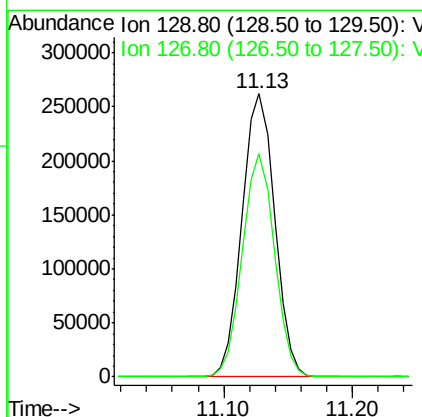
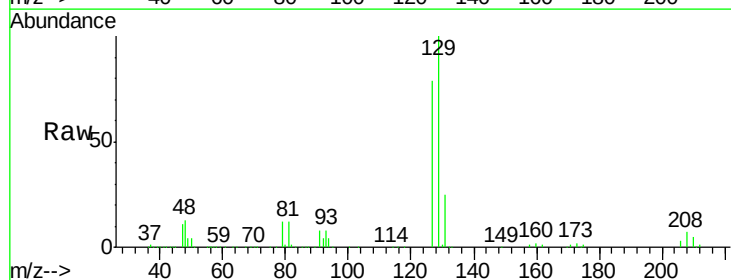
Manual Integrations
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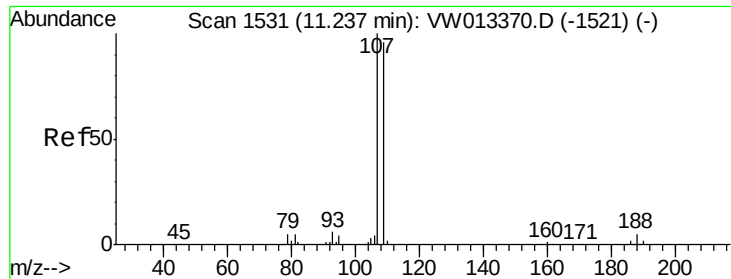
MMDadoda
10/7/2019 8:22:51 AM



#60
Dibromochloromethane
Concen: 160.274 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 129 Resp: 459961
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.4





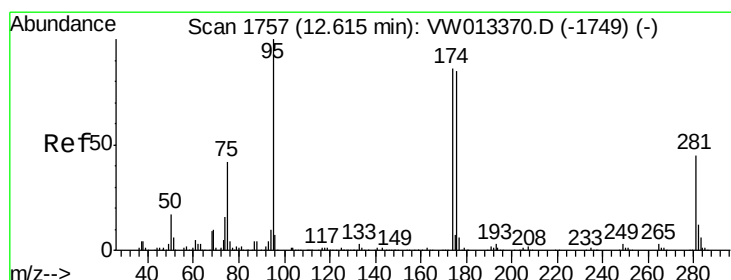
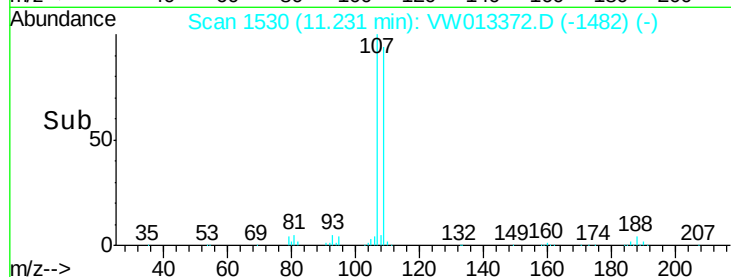
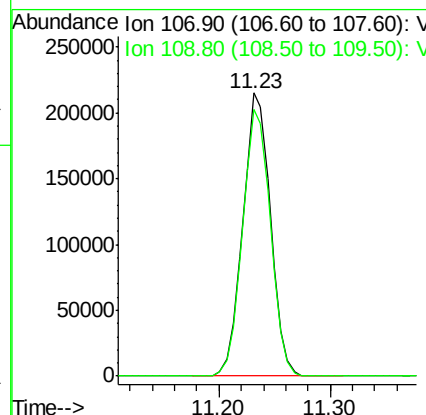
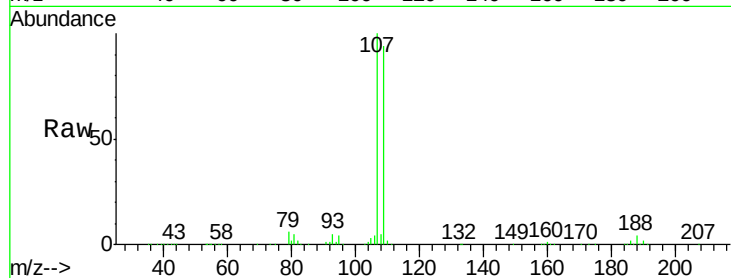
#61
 1,2-Dibromoethane
 Concen: 153.631 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	369181		
109	95.3	75.2	112.8	

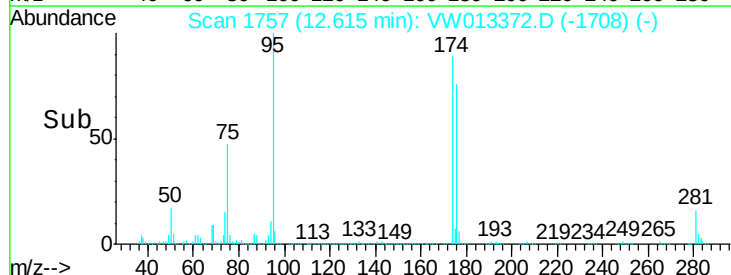
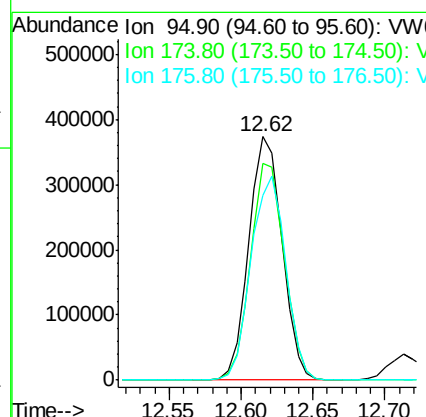
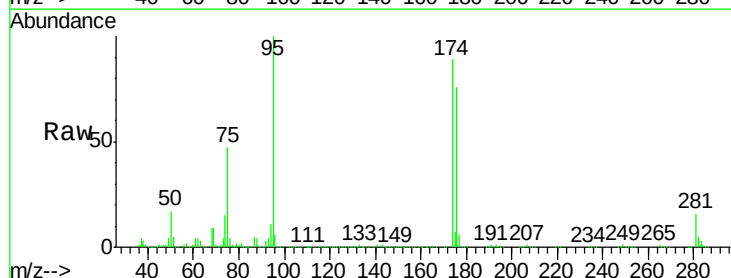
Manual Integrations
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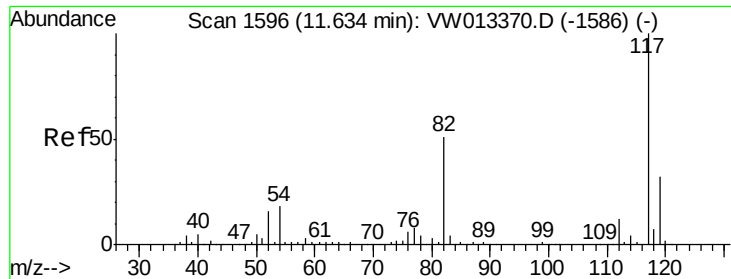
MMDadoda
 10/7/2019 8:22:51 AM



#62
 4-Bromofluorobenzene
 Concen: 143.935 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	597608		
174	90.4	0.0	178.4	
176	86.9	0.0	172.2	





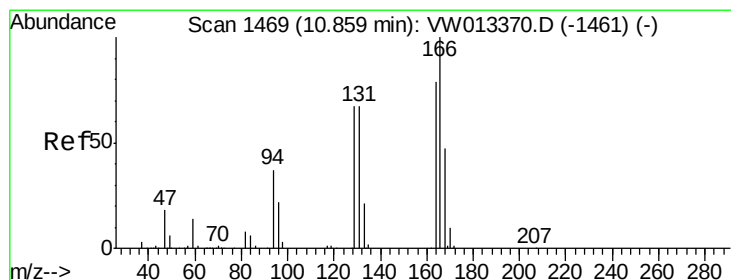
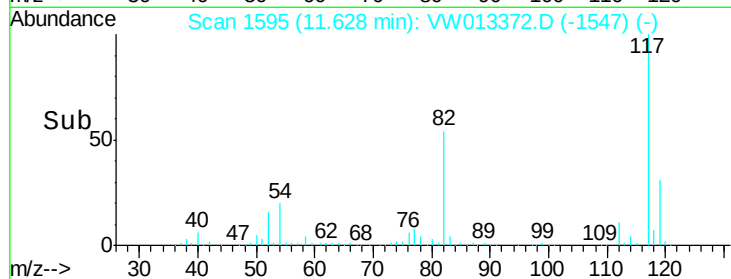
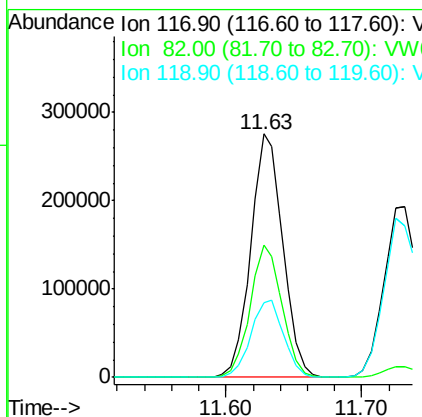
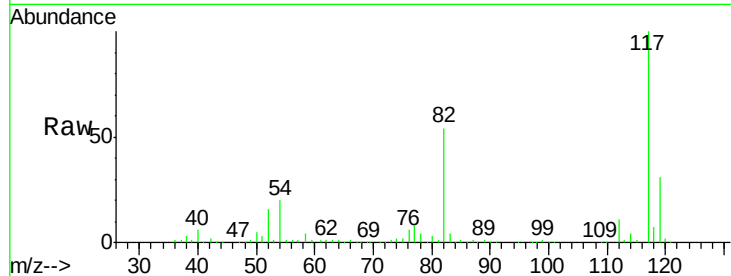
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.9	68.9
119	30.8	26.2	39.2

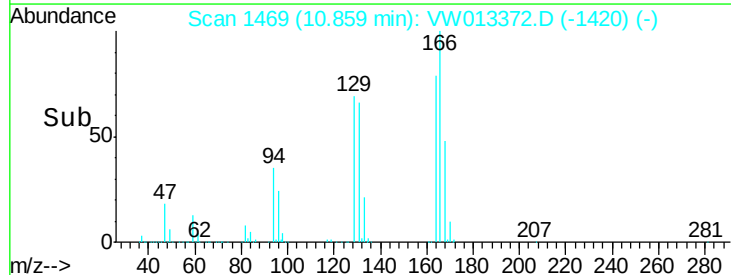
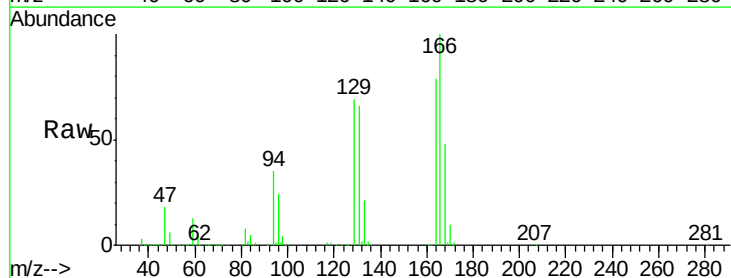
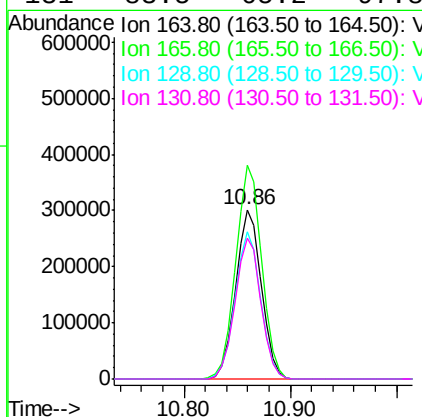
Manual Integrations
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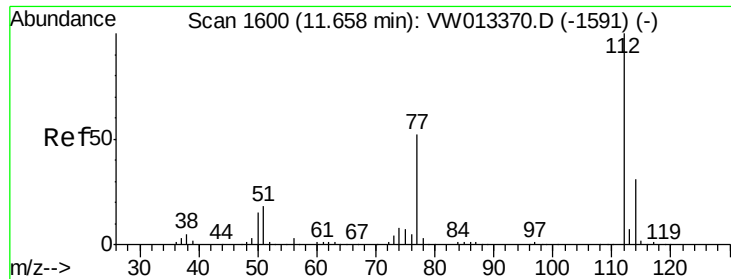
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#64
Tetrachloroethene
Concen: 147.566 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.2	151.8
129	86.8	68.8	103.2
131	83.5	65.2	97.8





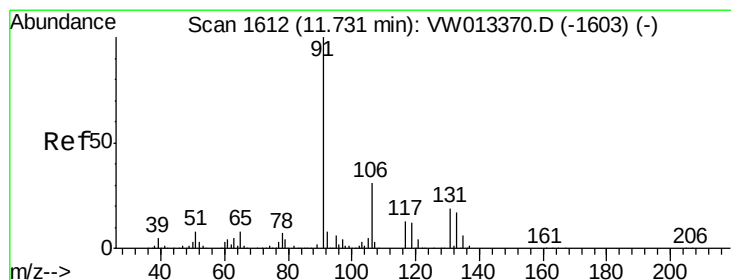
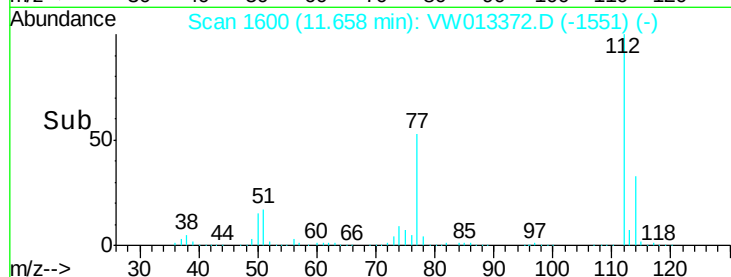
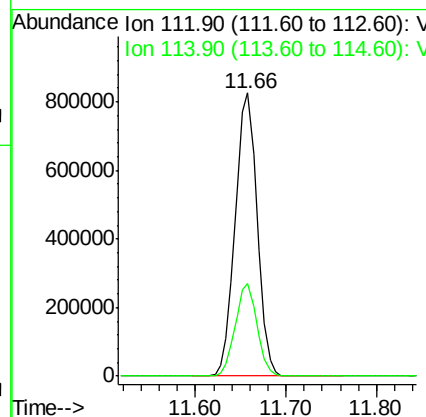
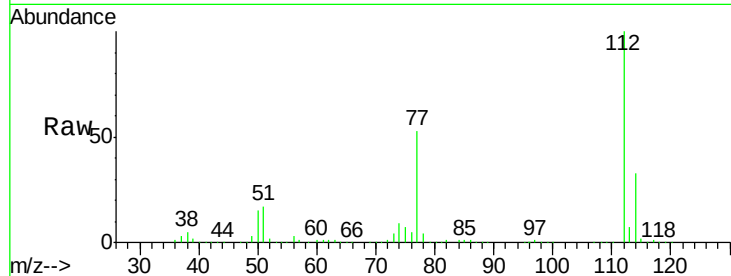
#65
Chlorobenzene
Concen: 145.974 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1387611
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7

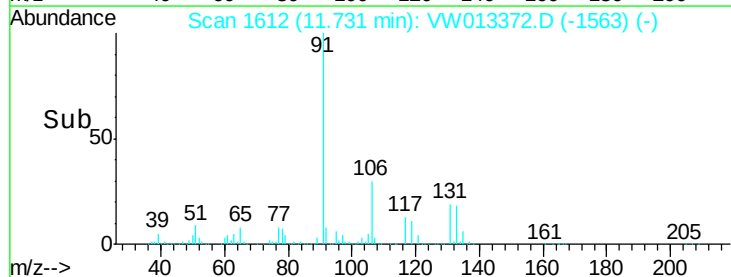
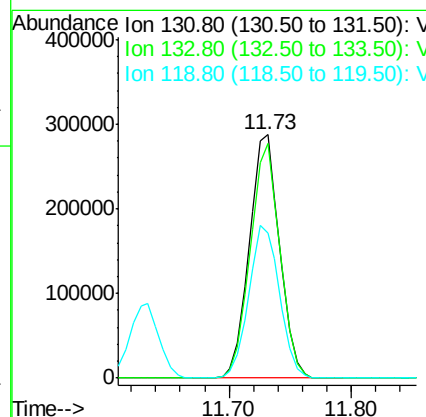
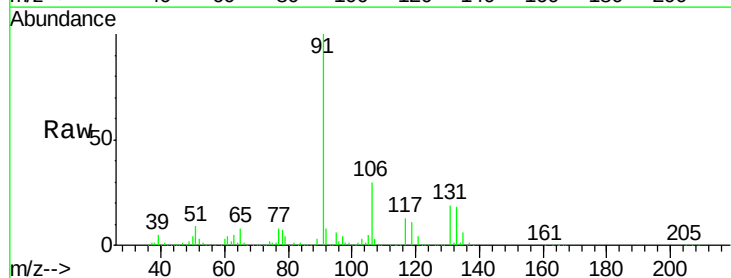
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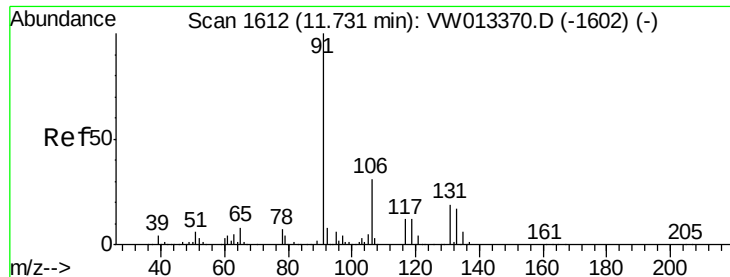
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#66
1,1,1,2-Tetrachloroethane
Concen: 152.259 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion:131 Resp: 494463
Ion Ratio Lower Upper
131 100
133 94.4 47.5 142.6
119 63.5 32.5 97.5





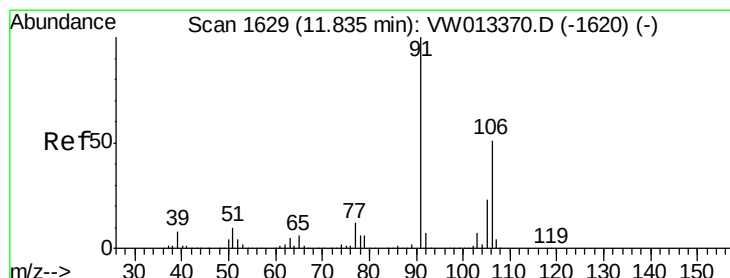
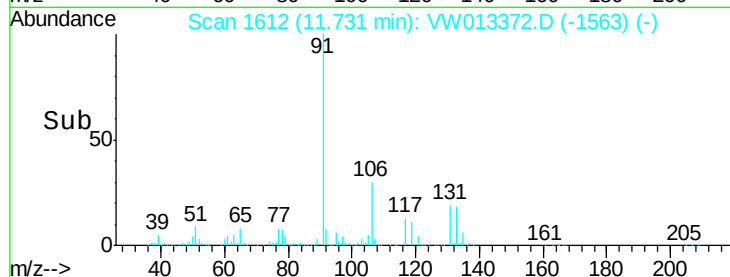
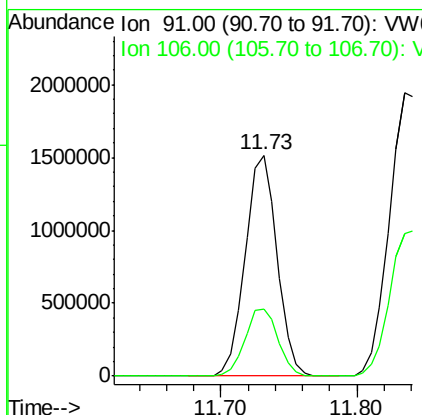
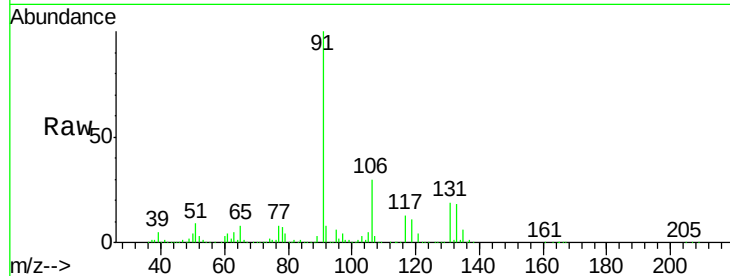
#67
Ethyl Benzene
Concen: 144.201 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2483655
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3

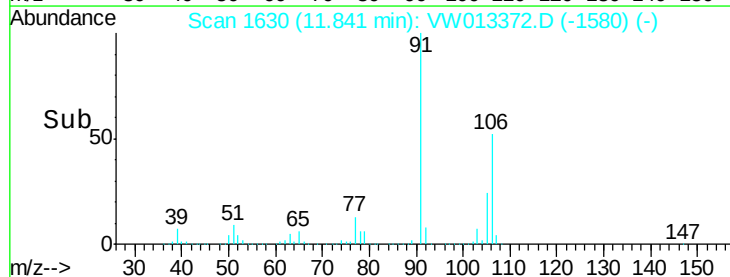
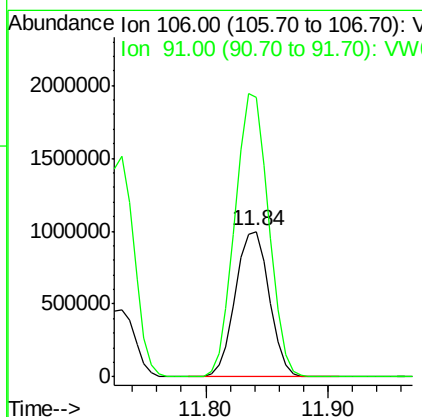
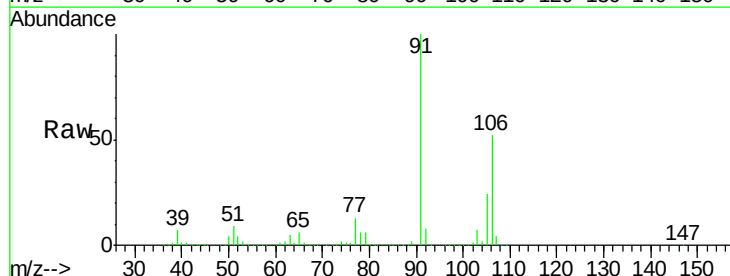
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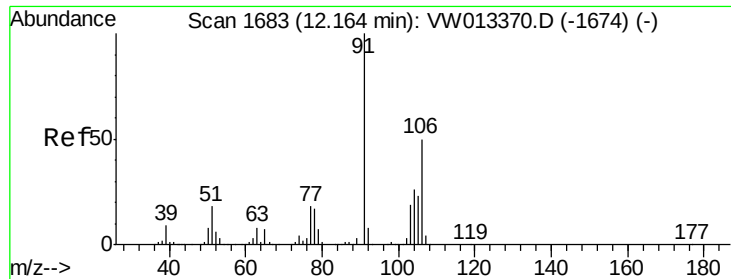
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#68
m/p-Xylenes
Concen: 292.743 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion: 106 Resp: 1921348
Ion Ratio Lower Upper
106 100
91 193.2 157.9 236.9





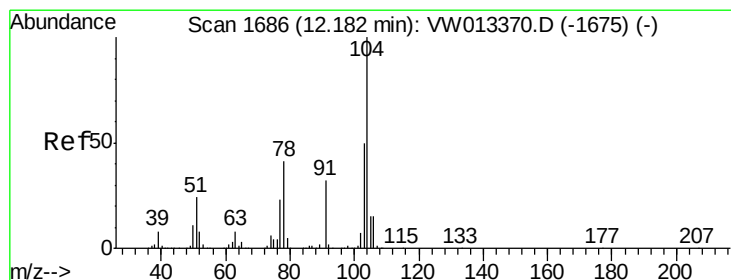
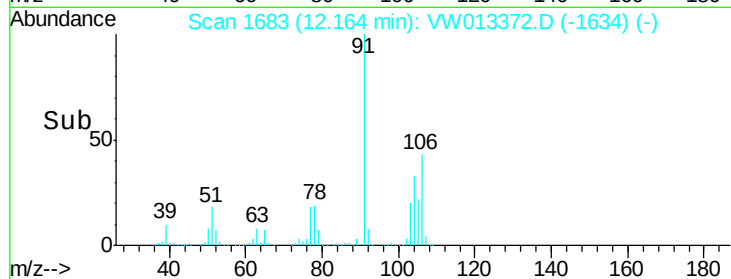
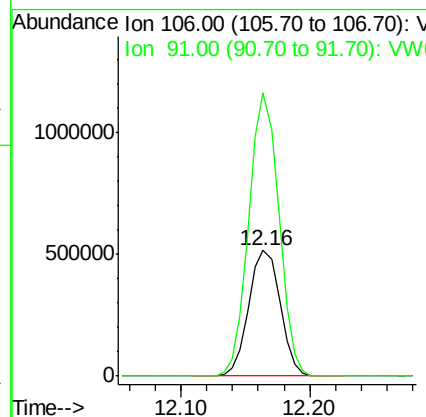
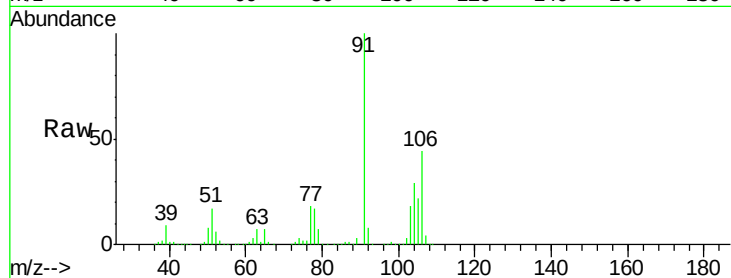
#69
o-Xylene
Concen: 142.454 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		869258		
91	215.1	106.5	319.5		

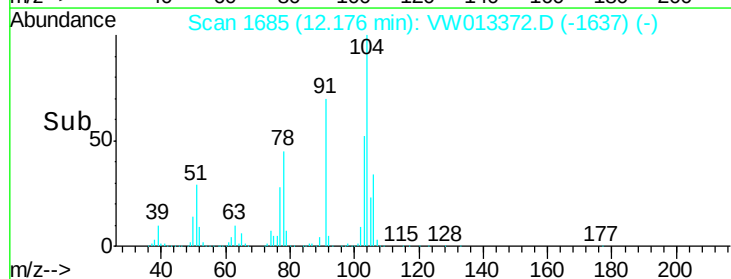
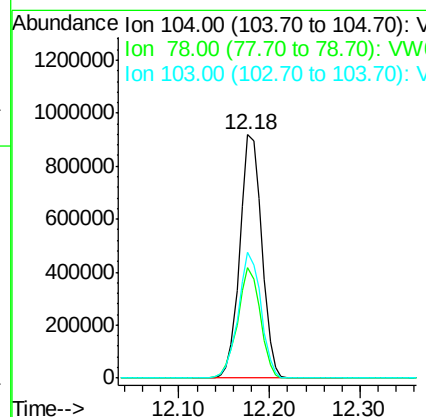
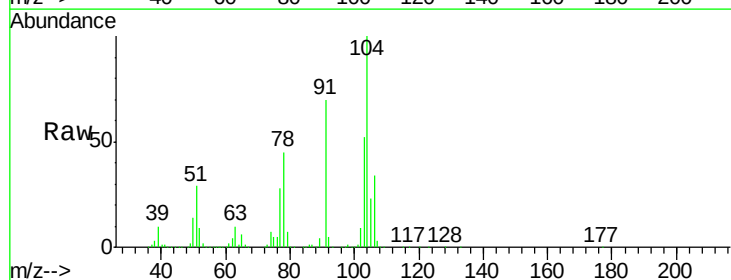
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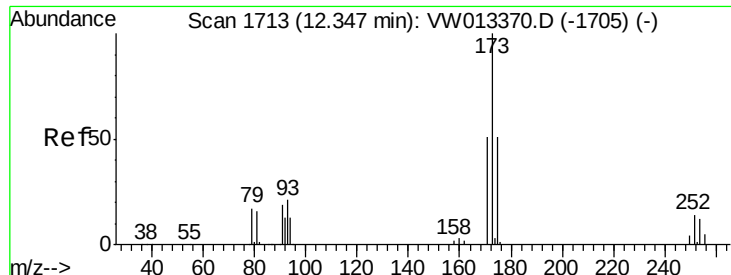
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#70
Styrene
Concen: 147.240 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1542469		
78	47.1	38.4	57.6		
103	53.5	43.3	64.9		





#71

Bromoform

Concen: 160.083 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 274649

Ion Ratio Lower Upper

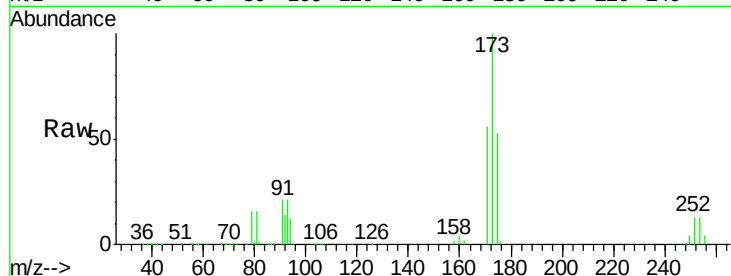
173 100

175 50.6 24.3 73.0

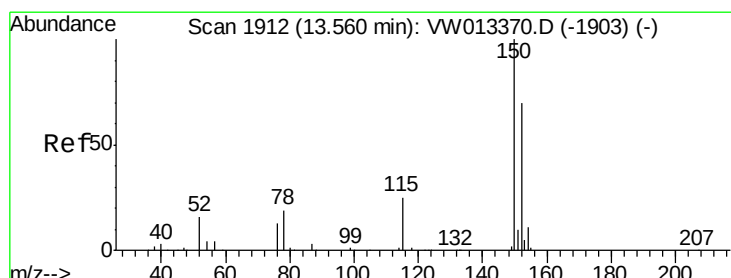
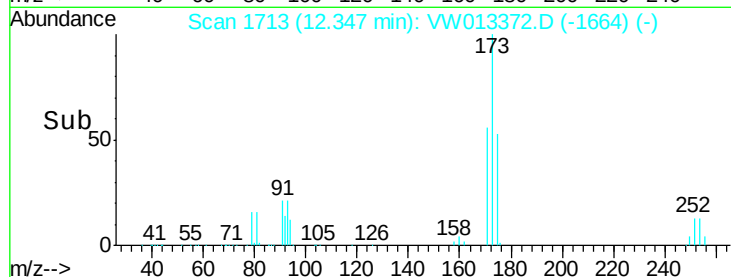
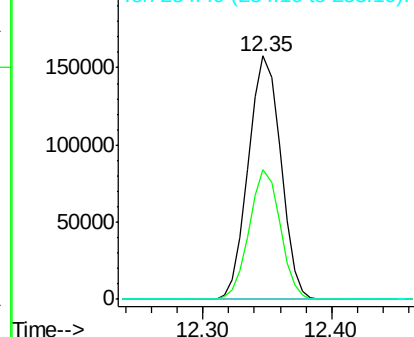
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

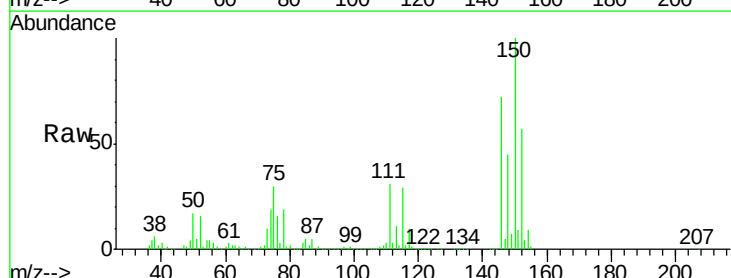
Tgt Ion:152 Resp: 217065

Ion Ratio Lower Upper

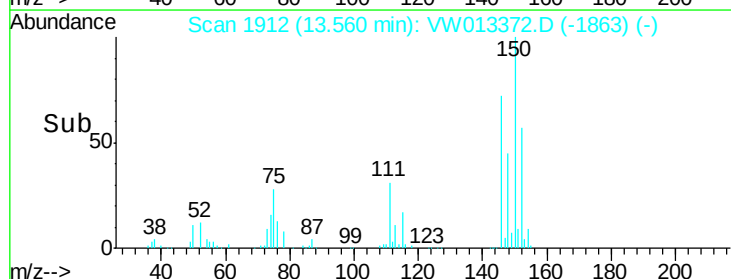
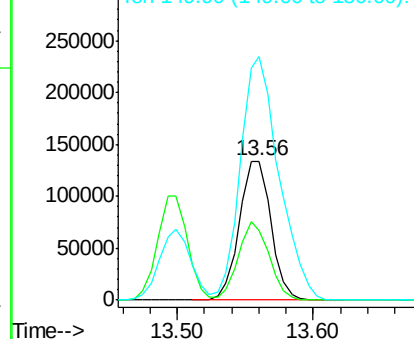
152 100

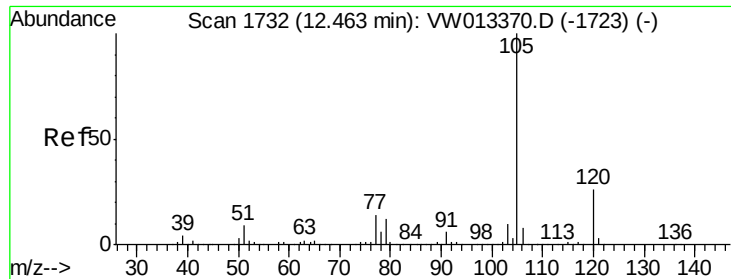
115 54.4 27.3 81.9

150 213.9 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.304 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2410093

Ion Ratio Lower Upper

105 100

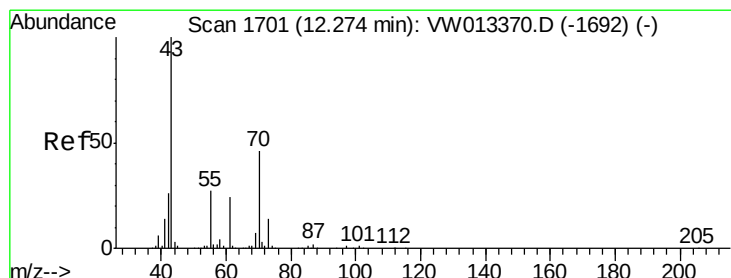
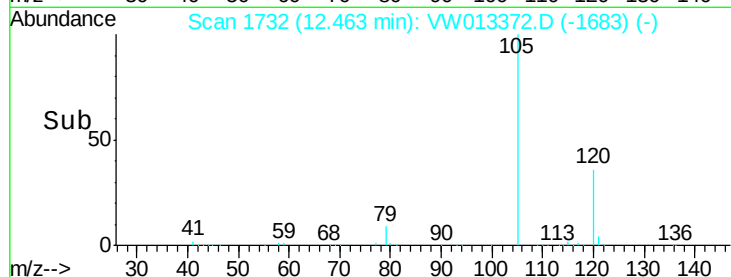
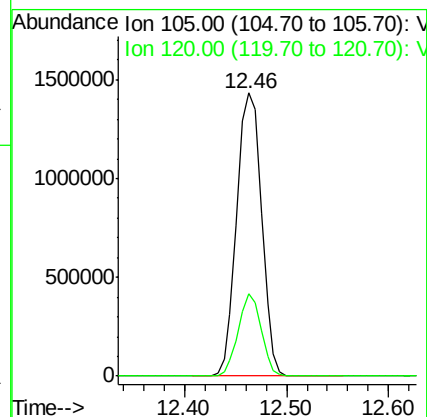
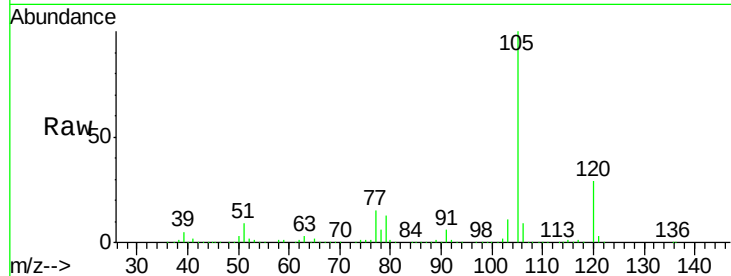
120 26.8 13.4 40.1

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#74

N-ethyl acetate

Concen: 159.046 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion: 43 Resp: 565905

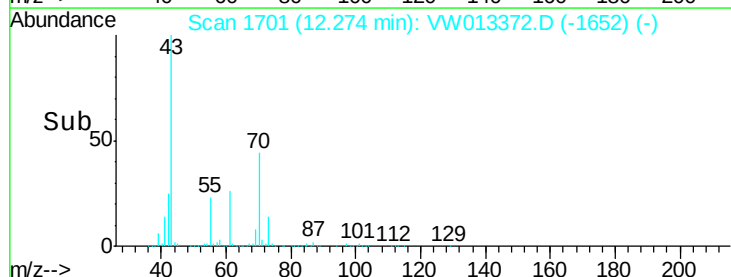
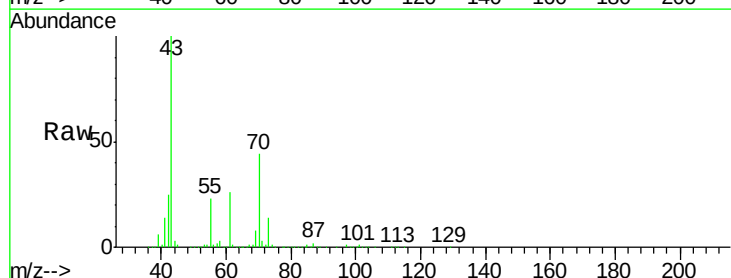
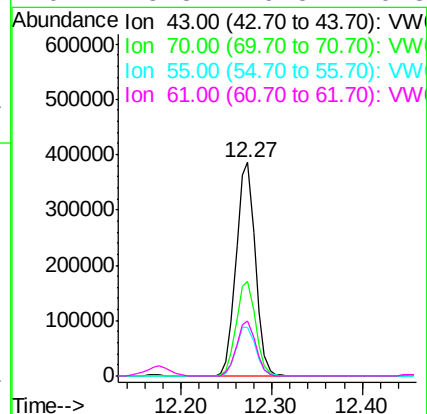
Ion Ratio Lower Upper

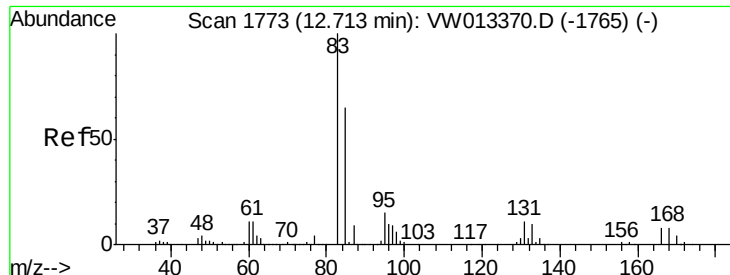
43 100

70 44.8 35.1 52.7

55 24.1 19.9 29.9

61 25.8 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 154.951 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

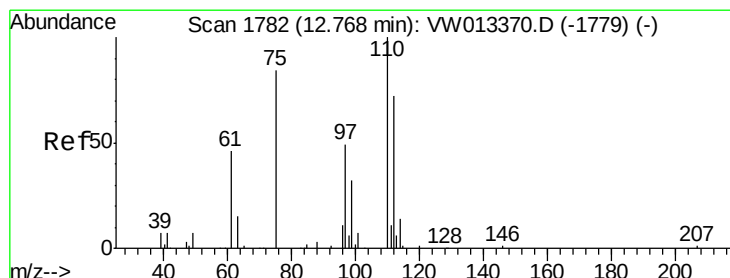
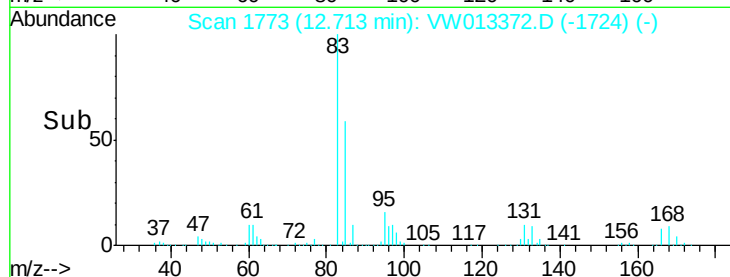
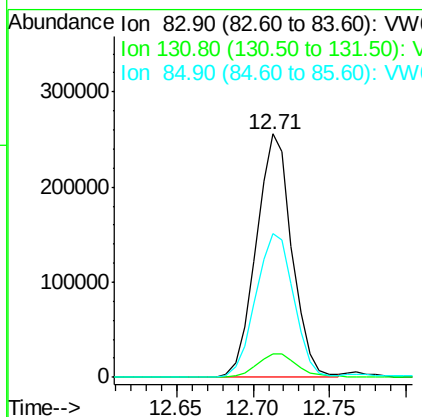
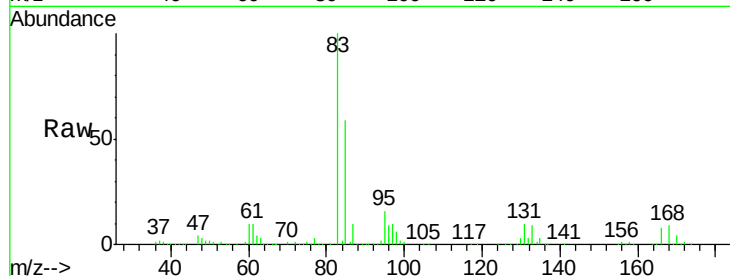
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	415530
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	62.8	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 141.074 ug/l m

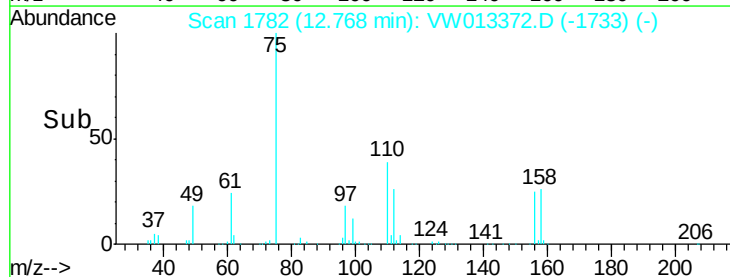
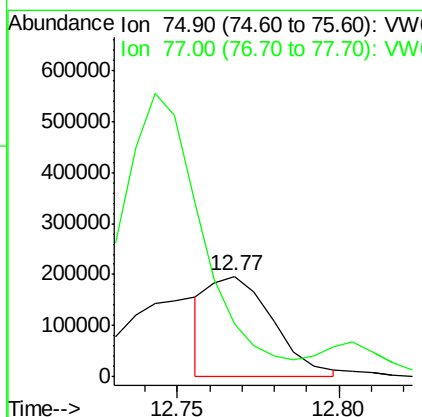
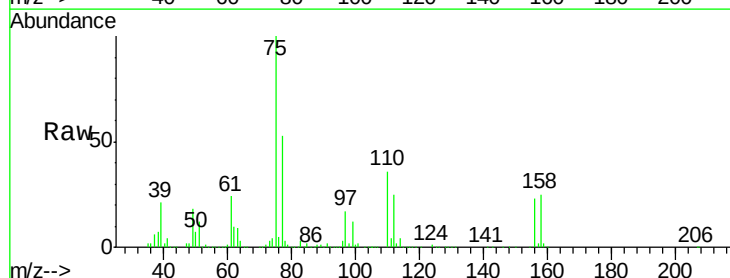
RT: 12.77 min Scan# 1782

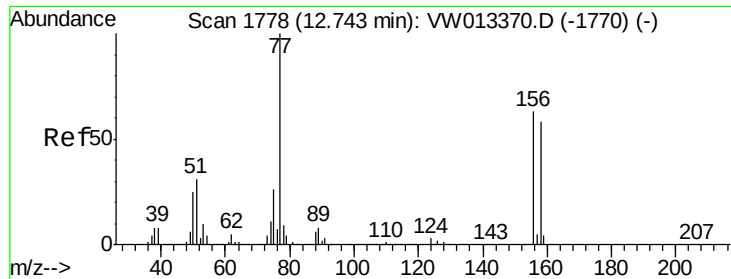
Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion:	75	Resp:	270435
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 152.595 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

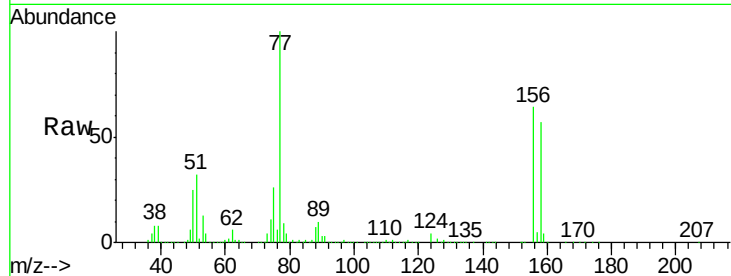
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.6	85.7	257.1
158	94.7	48.1	144.4

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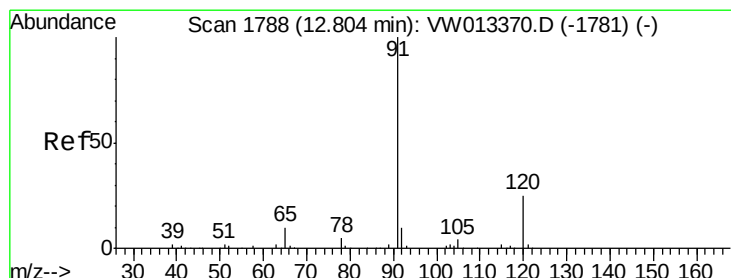
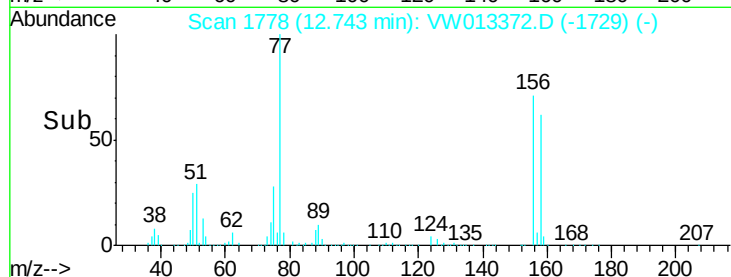
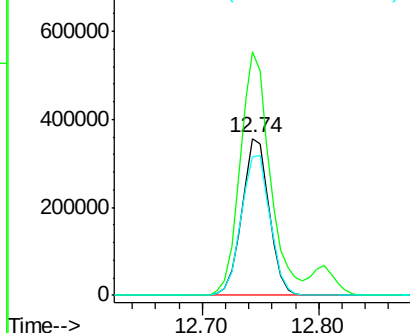
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 146.247 ug/l

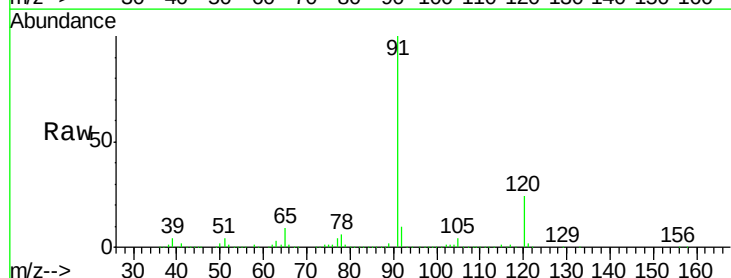
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013372.D

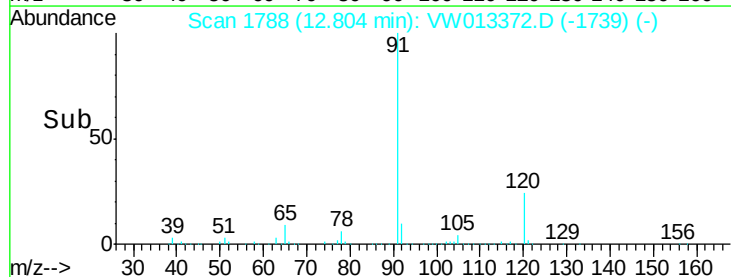
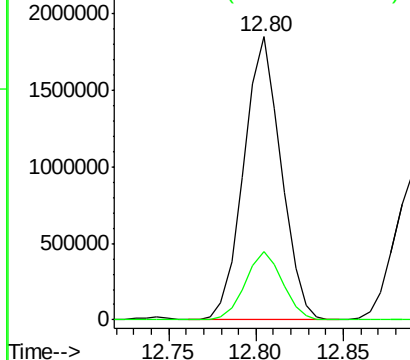
Acq: 01 Oct 2019 15:12

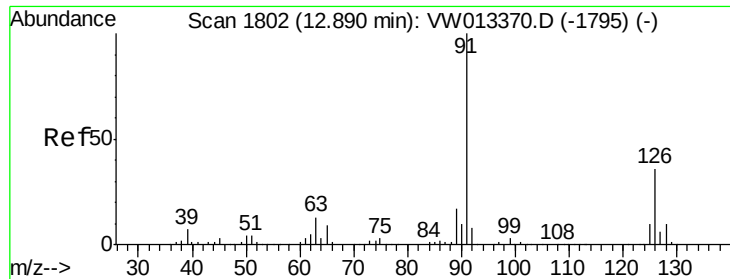
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 145.353 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1528414

Ion Ratio Lower Upper

91 100

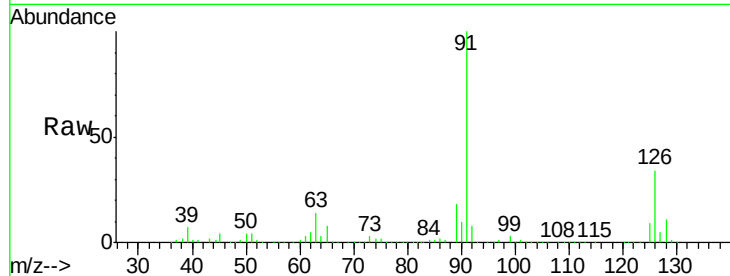
126 35.3 17.2 51.5

Manual Integrations

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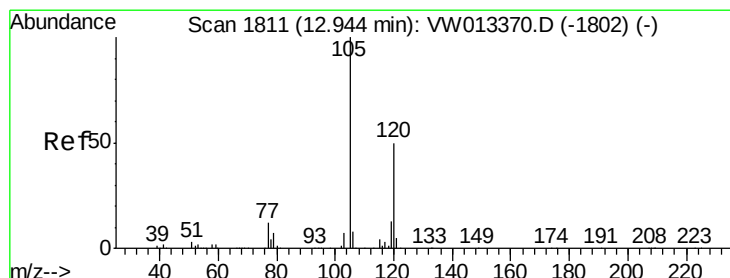
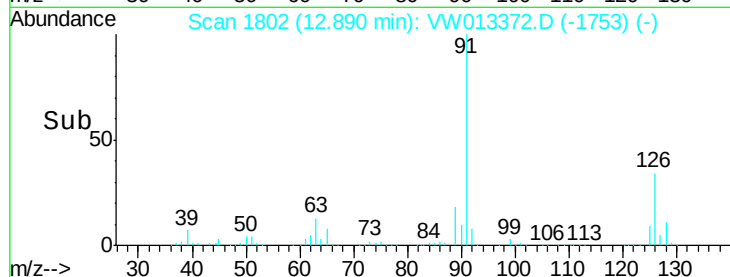
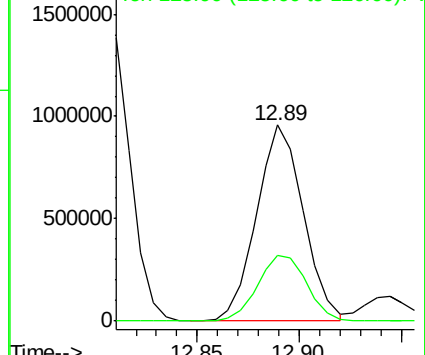
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 142.496 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013372.D

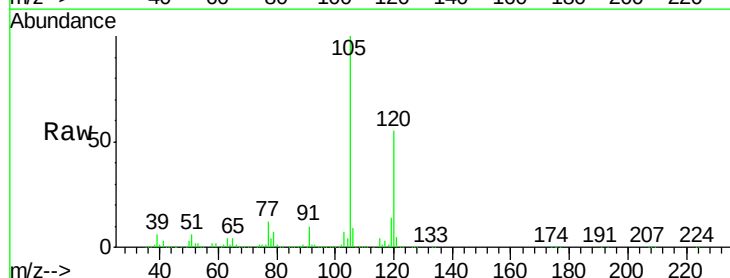
Acq: 01 Oct 2019 15:12

Tgt Ion:105 Resp: 1920684

Ion Ratio Lower Upper

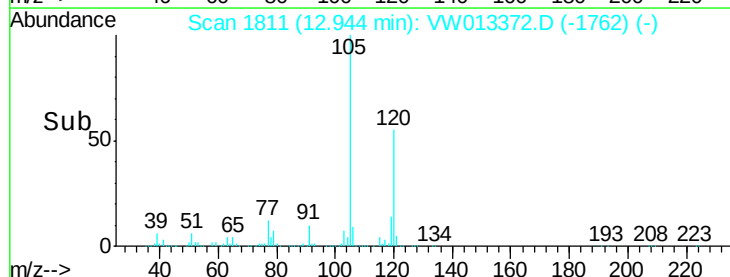
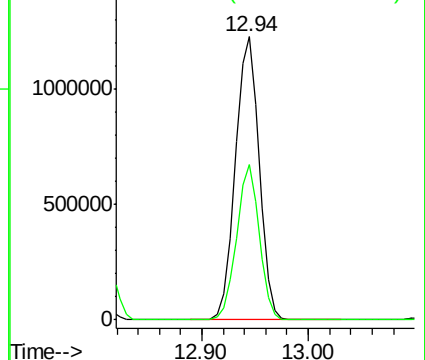
105 100

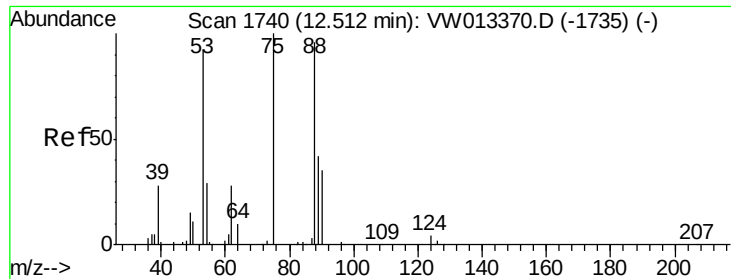
120 52.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





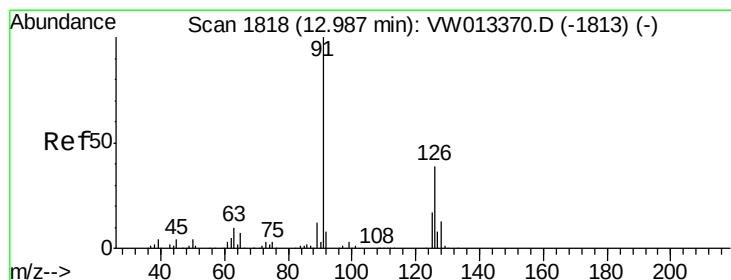
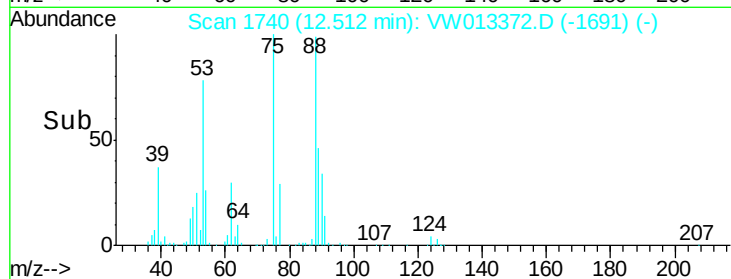
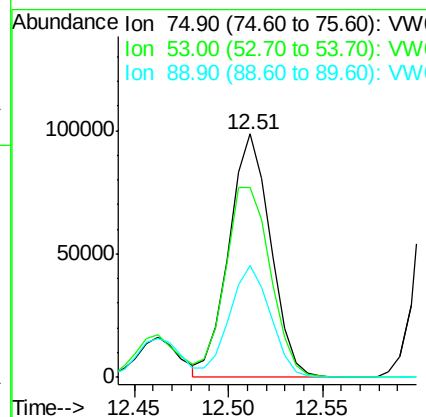
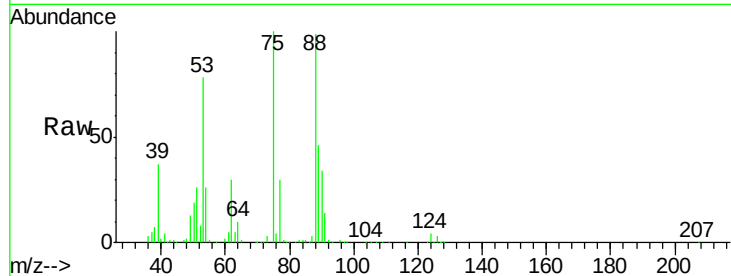
#81
trans-1,4-Dichloro-2-butene
Concen: 175.923 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.1	76.6	114.8
89	45.0	33.5	50.3

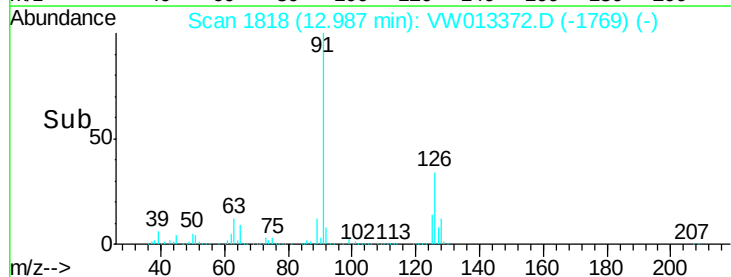
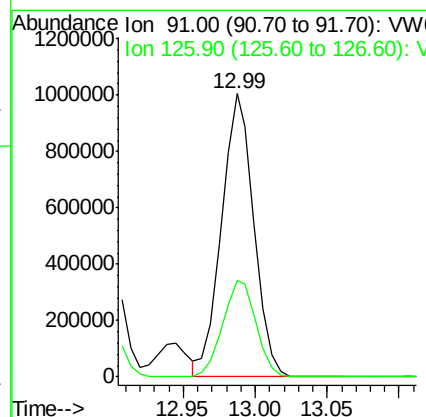
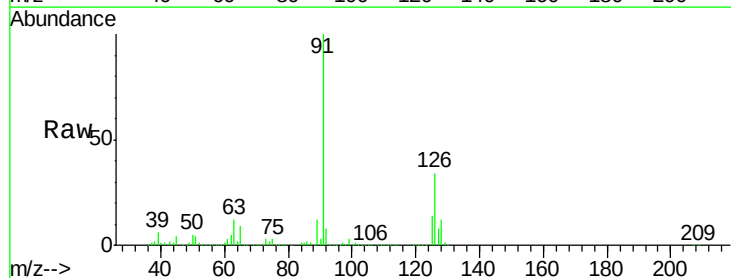
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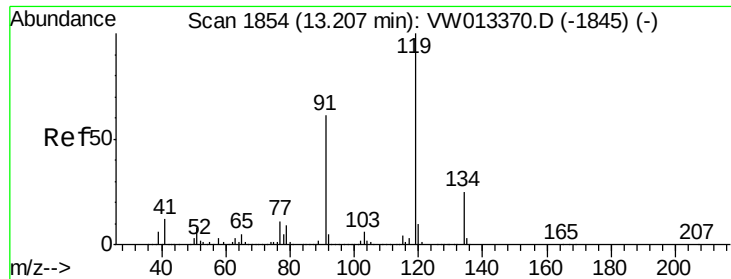
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#82
4-Chlorotoluene
Concen: 141.829 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013372.D
Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	51.7





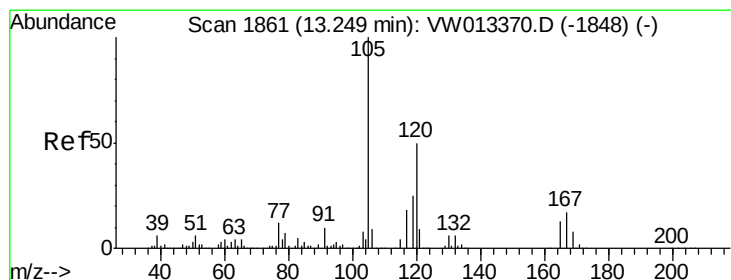
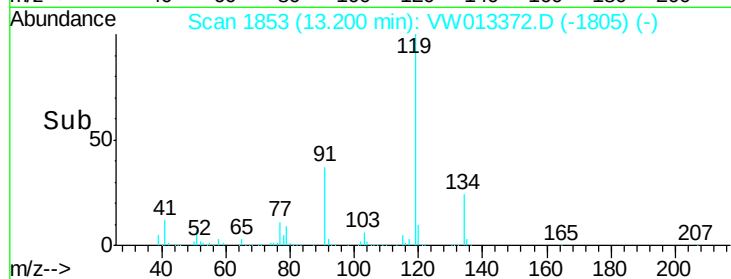
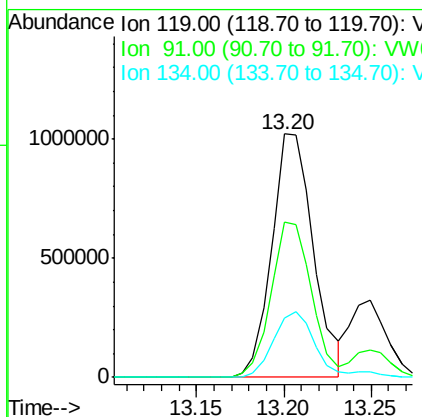
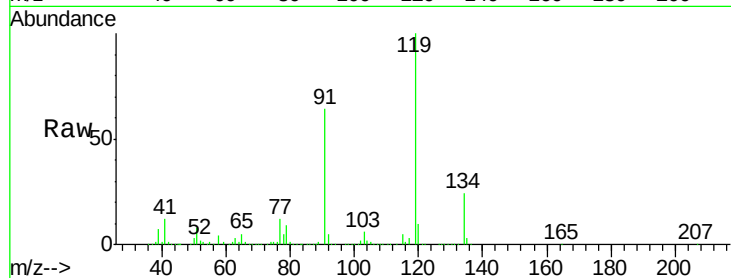
#83
 tert-Butylbenzene
 Concen: 143.340 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1695796
 Ion Ratio Lower Upper
 119 100
 91 61.8 30.7 92.1
 134 28.1 12.6 37.6

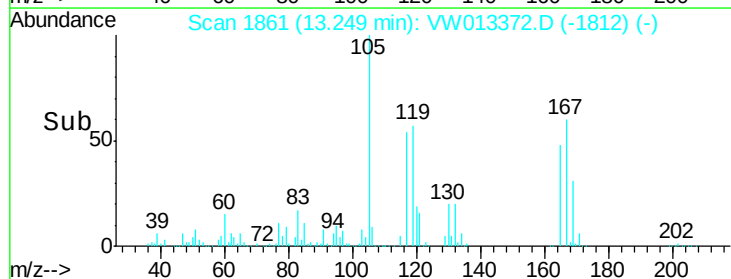
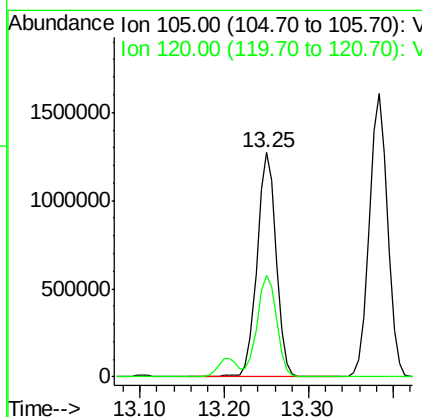
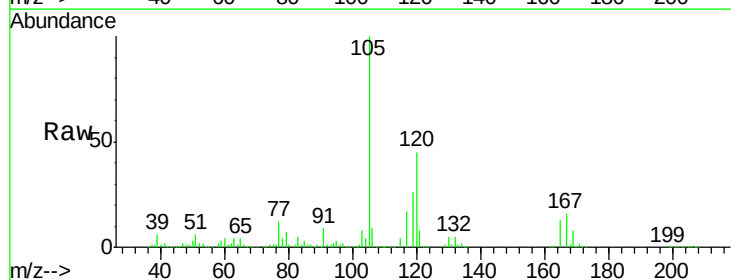
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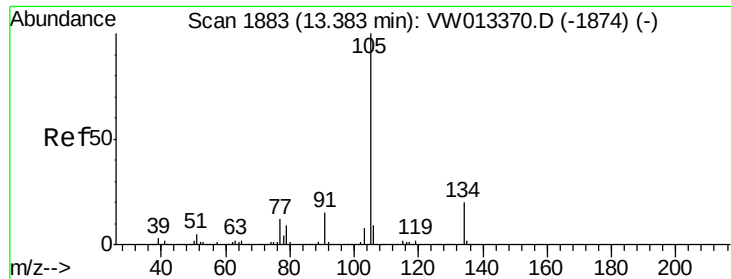
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#84
 1,2,4-Trimethylbenzene
 Concen: 146.278 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion:105 Resp: 1961980
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 148.343 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2419578

Ion Ratio Lower Upper

105 100

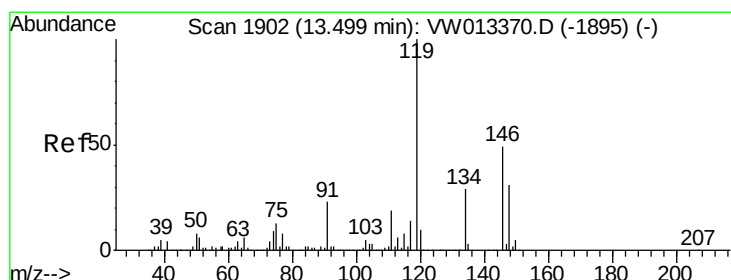
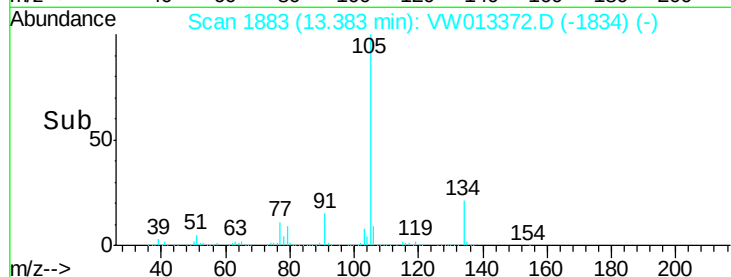
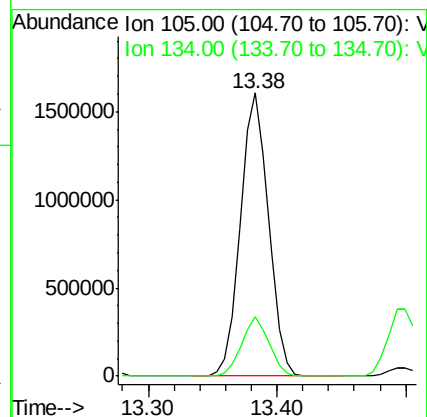
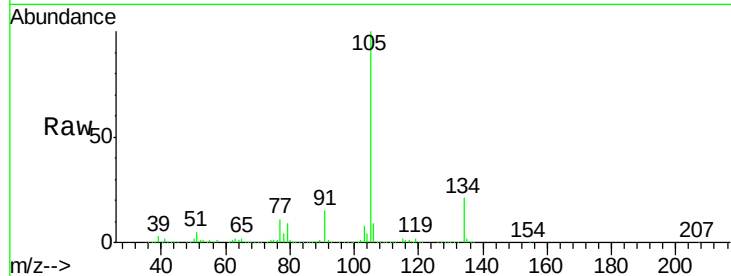
134 20.3 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 145.338 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

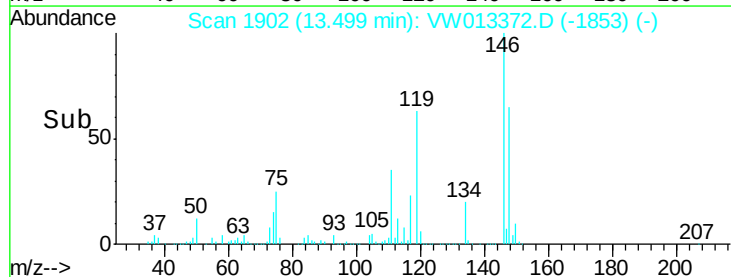
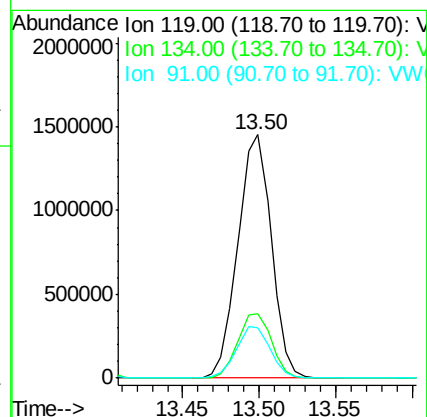
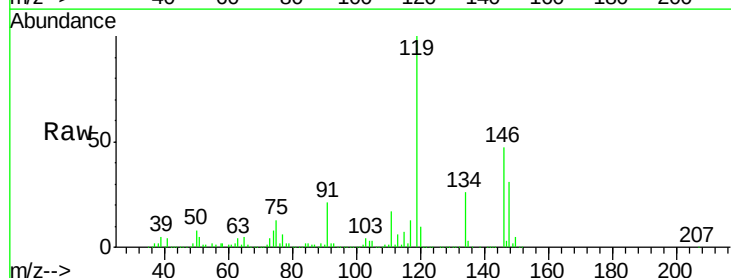
Tgt Ion:119 Resp: 2198712

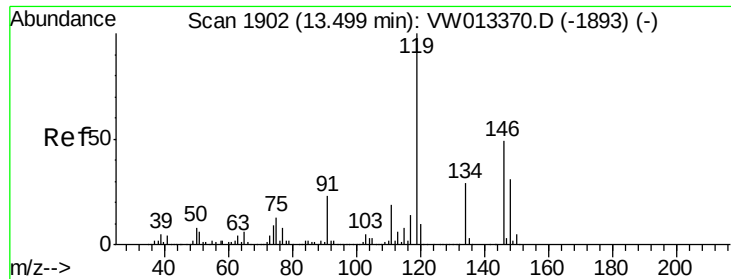
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 21.4 10.8 32.4





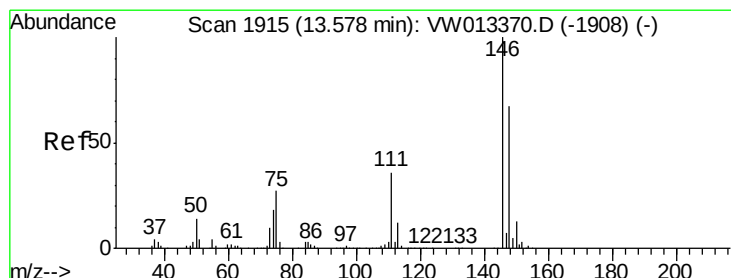
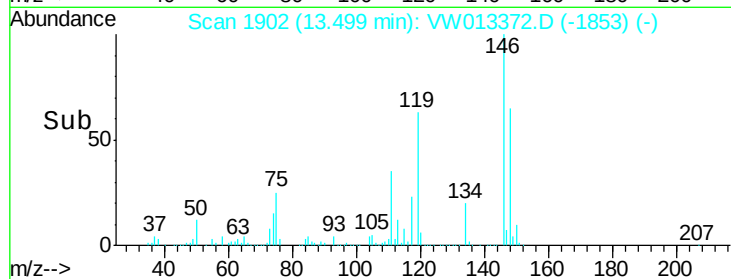
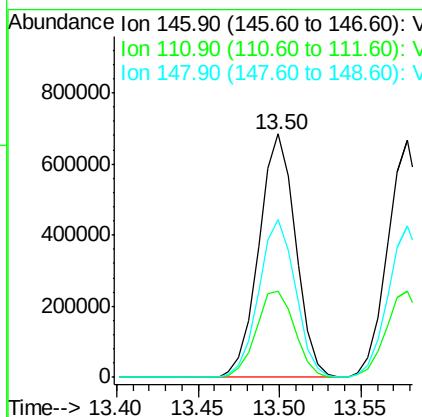
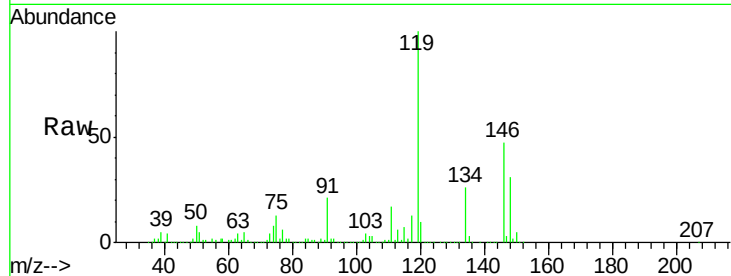
#87
 1,3-Dichlorobenzene
 Concen: 146.625 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1072264
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 64.9 31.9 95.5

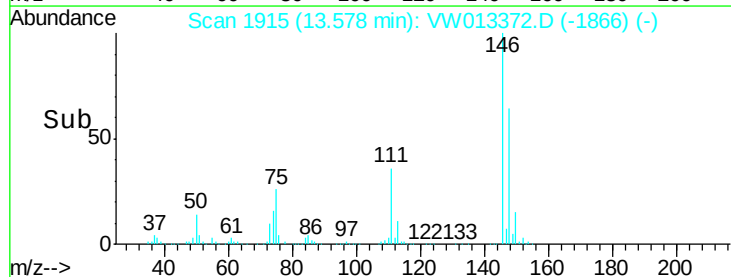
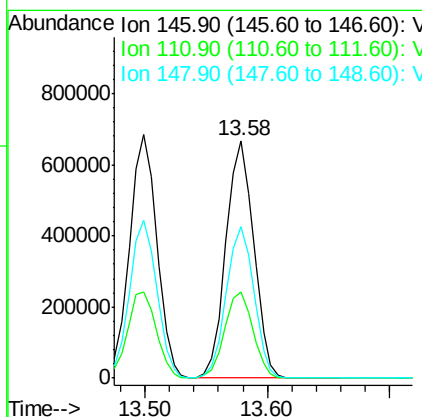
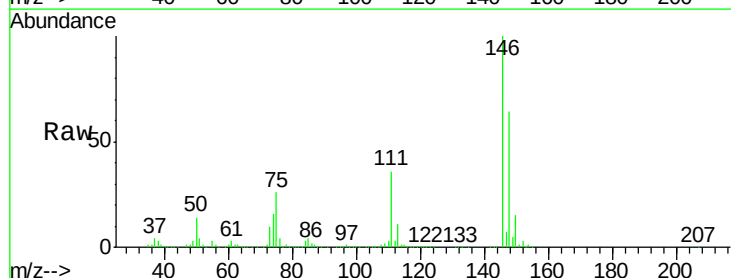
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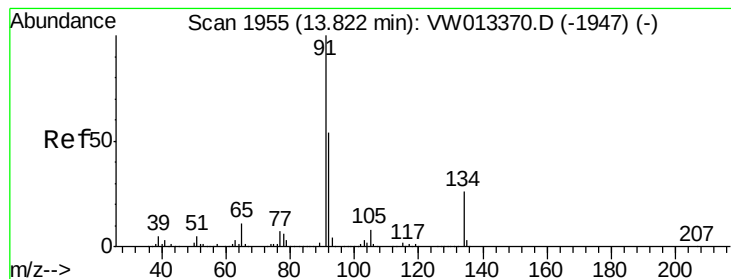
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#88
 1,4-Dichlorobenzene
 Concen: 146.562 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion:146 Resp: 1051168
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.0
 148 63.5 32.1 96.3





#89

n-Butylbenzene

Concen: 144.897 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2001560

Ion Ratio Lower Upper

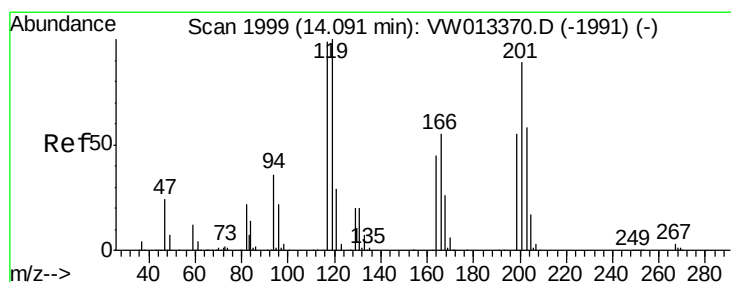
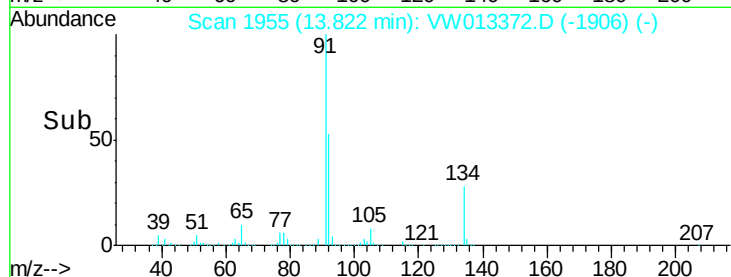
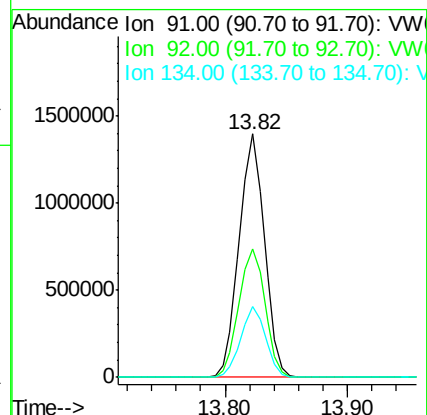
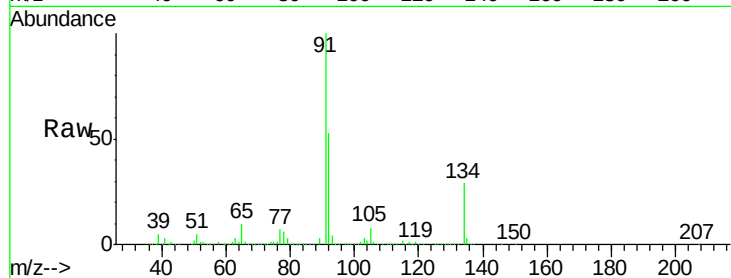
91 100

92 54.8 27.6 82.8

134 28.7 13.7 41.1

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#90

Hexachloroethane

Concen: 149.528 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013372.D

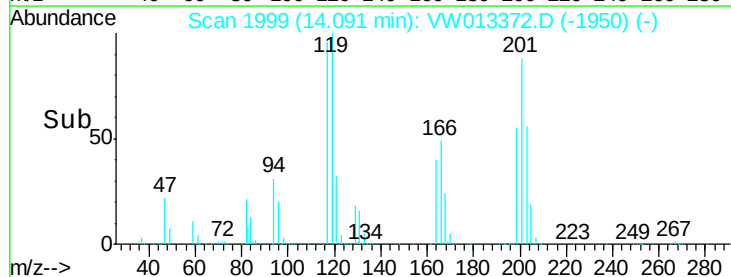
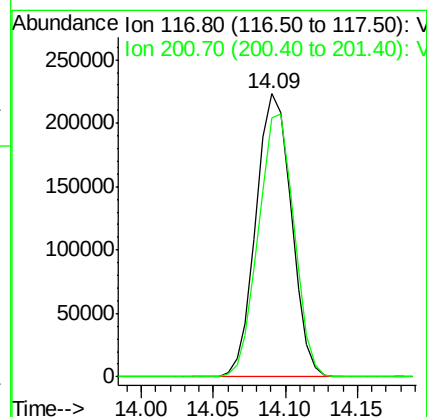
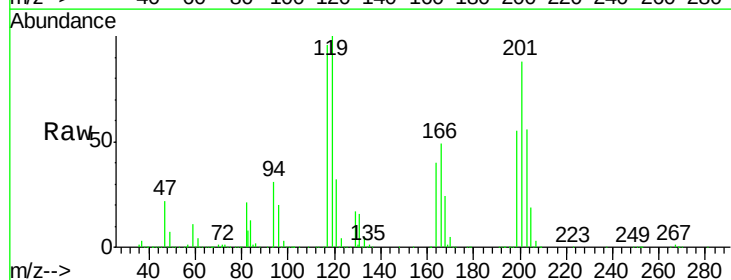
Acq: 01 Oct 2019 15:12

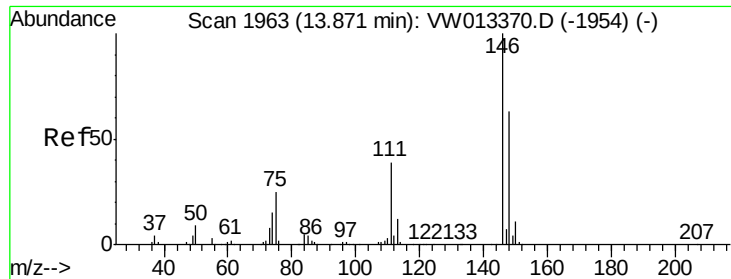
Tgt Ion: 117 Resp: 380014

Ion Ratio Lower Upper

117 100

201 93.2 44.5 133.5





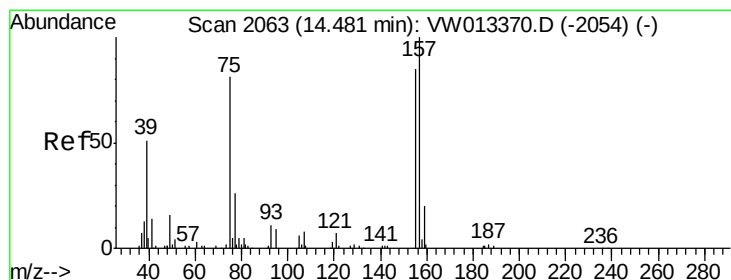
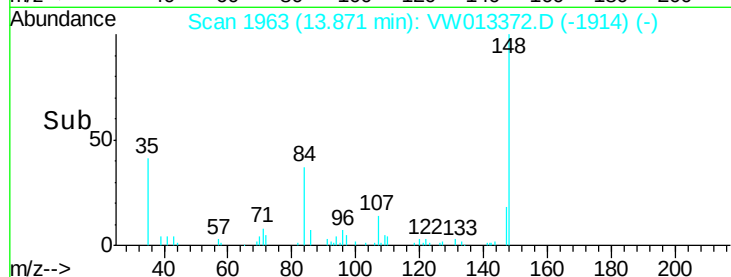
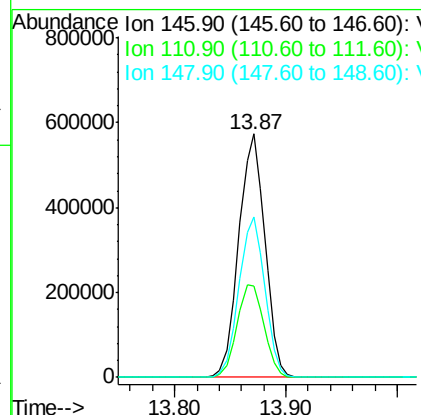
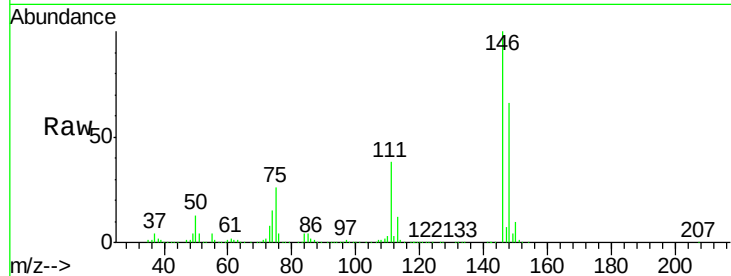
#91
 1,2-Dichlorobenzene
 Concen: 147.423 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	932693		
111	39.3	20.1	60.3	
148	65.2	32.0	96.0	

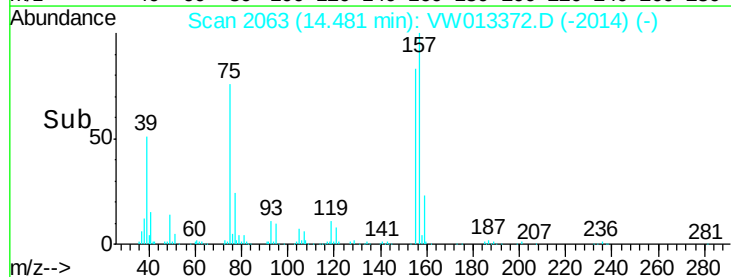
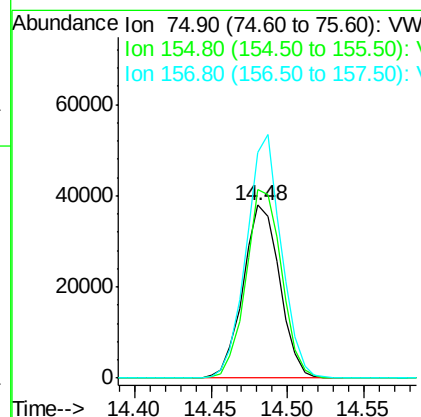
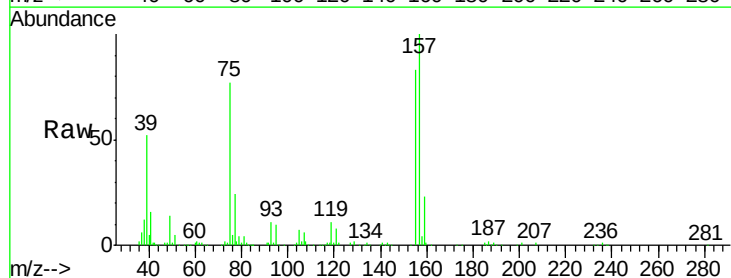
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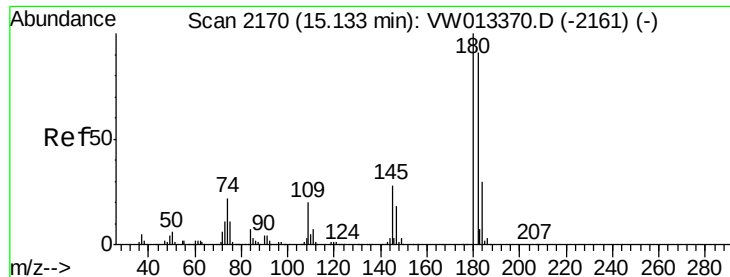
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 153.467 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62949		
155	106.6	46.1	138.3	
157	134.3	60.4	181.2	





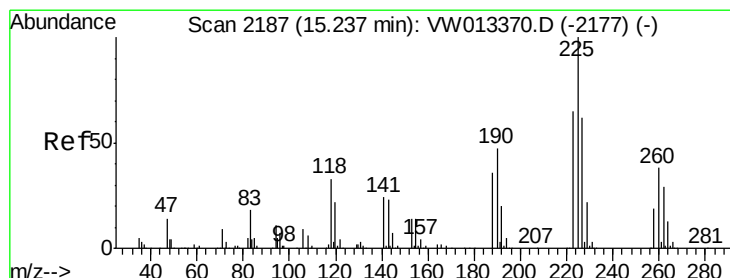
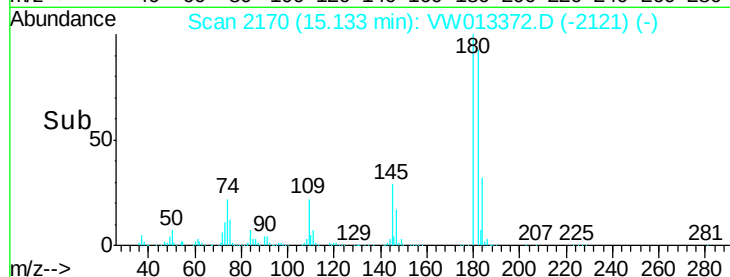
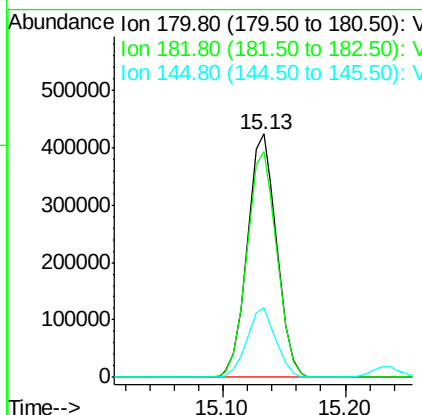
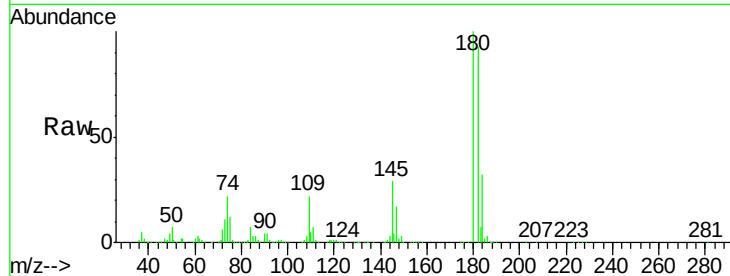
#93
 1,2,4-Trichlorobenzene
 Concen: 155.361 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	47.3	142.0	
145	28.1	14.2	42.8	

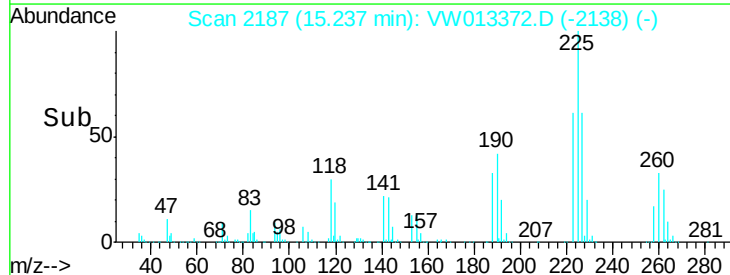
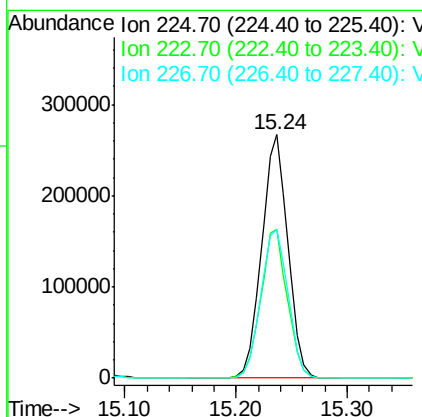
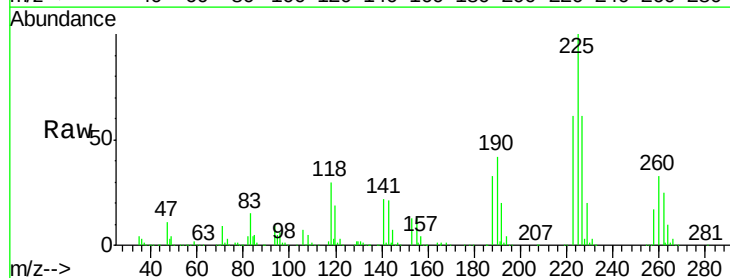
Manual Integrations
 APPROVED

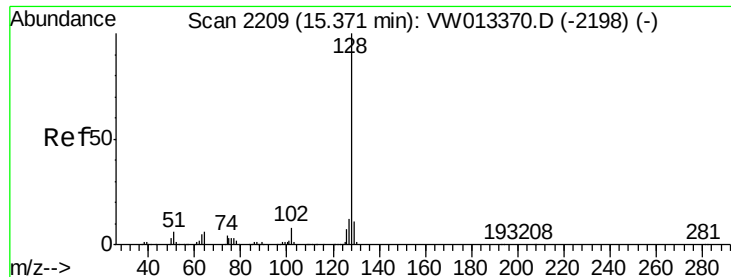
MMDadoda
 10/7/2019 8:22:51 AM



#94
 Hexachlorobutadiene
 Concen: 140.807 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013372.D
 Acq: 01 Oct 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	30.6	91.8	
227	63.9	31.9	95.9	





#95

Naphthalene

Concen: 171.480 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Instrument :

MSVOA_W

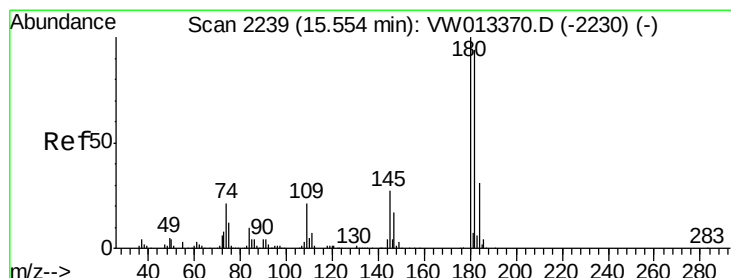
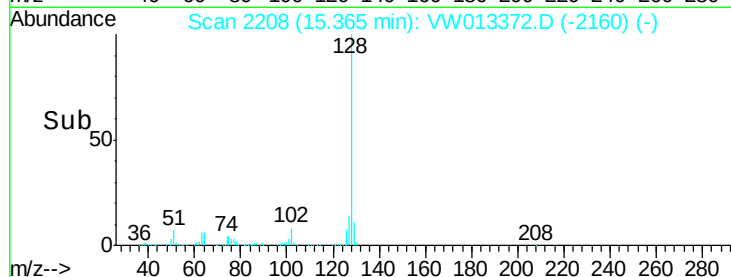
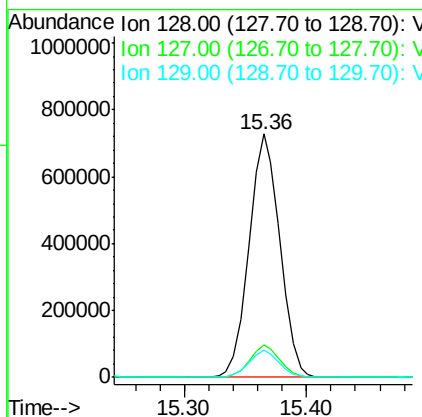
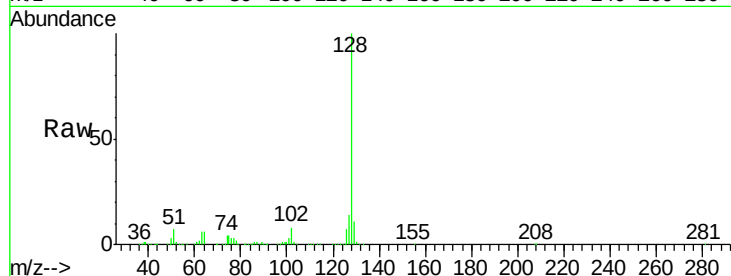
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	1271466
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/7/2019 8:22:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 156.003 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013372.D

Acq: 01 Oct 2019 15:12

Tgt Ion:	180	Resp:	611110
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	29.8	15.0	45.0

