

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091919\
 Data File : VW013154.D
 Acq On : 19 Sep 2019 12:16
 Operator : SY/VA
 Sample : VW0919SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 10:46:08 AM

Quant Time: Sep 20 08:07:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	366244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	526204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138599	40.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.96%	
35) Dibromofluoromethane	7.88	113	141490	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.32	98	585370	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.62	95	199234	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27053	16.278	ug/l	93
3) Chloromethane	2.21	50	35527	16.950	ug/l	97
4) Vinyl Chloride	2.35	62	50210	19.153	ug/l	98
5) Bromomethane	2.77	94	30108	18.807	ug/l	95
6) Chloroethane	2.91	64	30116	18.731	ug/l	95
7) Trichlorofluoromethane	3.25	101	32951	17.975	ug/l	99
8) Diethyl Ether	3.68	74	26430	18.464	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54463	19.589	ug/l	97
10) Methyl Iodide	4.26	142	74298	21.353	ug/l	95
11) Tert butyl alcohol	5.20	59	17398m	59.909	ug/l	
12) 1,1-Dichloroethene	4.04	96	52065	20.595	ug/l	88
13) Acrolein	3.89	56	19169	71.880	ug/l	99
14) Allyl chloride	4.66	41	87937	18.323	ug/l	91
15) Acrylonitrile	5.37	53	59925	81.968	ug/l	98
16) Acetone	4.13	43	53916	58.483	ug/l	91
17) Carbon Disulfide	4.37	76	97155	19.285	ug/l	100
18) Methyl Acetate	4.67	43	30635	15.897	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	87043	17.443	ug/l	93
20) Methylene Chloride	4.90	84	66975	21.558	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54442	20.107	ug/l	97
22) Diisopropyl ether	6.31	45	183607	18.416	ug/l	96
23) Vinyl Acetate	6.25	43	494014	82.728	ug/l #	94
24) 1,1-Dichloroethane	6.21	63	106532	18.532	ug/l	98
25) 2-Butanone	7.18	43	78166	72.674	ug/l	93
26) 2,2-Dichloropropane	7.16	77	68816	15.906	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	66020	20.367	ug/l	91
28) Bromochloromethane	7.51	49	41859	17.300	ug/l	92
29) Tetrahydrofuran	7.53	42	46127	75.268	ug/l	93
30) Chloroform	7.67	83	108325	18.546	ug/l	98
31) Cyclohexane	7.95	56	94047	19.173	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	86325	17.947	ug/l	97
36) 1,1-Dichloropropene	8.08	75	81601	19.406	ug/l	97
37) Ethyl Acetate	7.25	43	34365	15.397	ug/l #	94
38) Carbon Tetrachloride	8.06	117	77121	17.898	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	93659	20.327	ug/l	99
40) Benzene	8.32	78	238456	20.314	ug/l	99
41) Methacrylonitrile	7.48	41	21228	14.443	ug/l	91
42) 1,2-Dichloroethane	8.40	62	64208	16.317	ug/l	94
43) Isopropyl Acetate	8.42	43	65463	15.276	ug/l	95
44) Trichloroethene	9.09	130	66028	20.536	ug/l	89
45) 1,2-Dichloropropane	9.37	63	60003	19.240	ug/l	100
46) Dibromomethane	9.46	93	27011	18.077	ug/l	95
47) Bromodichloromethane	9.64	83	75944	18.120	ug/l	96
48) Methyl methacrylate	9.43	41	30615	15.223	ug/l	92
49) 1,4-Dioxane	9.47	88	7242	289.253	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	168210	76.031	ug/l	94
52) Toluene	10.38	92	153952	20.640	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72160	17.119	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	90409	18.746	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	44126	19.386	ug/l	98
56) Ethyl methacrylate	10.65	69	52953	17.283	ug/l	92
57) 1,3-Dichloropropane	10.93	76	75478	18.693	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	147643	89.832	ug/l	98
59) 2-Hexanone	10.97	43	113496	73.674	ug/l	95
60) Dibromochloromethane	11.13	129	49723	18.068	ug/l	100
61) 1,2-Dibromoethane	11.23	107	37718	18.165	ug/l	96
64) Tetrachloroethene	10.86	164	55113	20.497	ug/l	96
65) Chlorobenzene	11.66	112	162626	20.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	59353	19.238	ug/l	98
67) Ethyl Benzene	11.73	91	296358	19.932	ug/l	99
68) m/p-Xylenes	11.83	106	223667	41.177	ug/l	97
69) o-Xylene	12.16	106	104597	20.540	ug/l	95
70) Styrene	12.18	104	184242	20.338	ug/l	97
71) Bromoform	12.35	173	28634	17.669	ug/l #	100
73) Isopropylbenzene	12.46	105	299301	19.703	ug/l	98
74) N-amyl acetate	12.27	43	60949	15.597	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	48080	18.021	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	36215m	18.040	ug/l	
77) Bromobenzene	12.74	156	69772	19.937	ug/l	93
78) n-propylbenzene	12.80	91	352161	19.708	ug/l	98
79) 2-Chlorotoluene	12.89	91	199308	19.403	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	251269	19.552	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.51	75	14136	15.974	ug/l	96
82) 4-Chlorotoluene	12.99	91	208515	19.239	ug/l	96
83) tert-Butylbenzene	13.21	119	228977	19.919	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	251660	19.817	ug/l	98
85) sec-Butylbenzene	13.38	105	314830	20.102	ug/l	99
86) p-Isopropyltoluene	13.50	119	288636	20.073	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	141212	20.384	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	136758	20.088	ug/l	99
89) n-Butylbenzene	13.82	91	267208	19.705	ug/l	99
90) Hexachloroethane	14.09	117	47936	18.603	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	121118	19.881	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7273	14.892	ug/l	96

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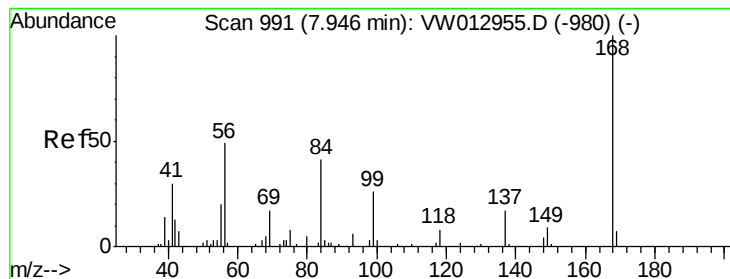
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	82927	19.086	ug/l	98
94) Hexachlorobutadiene	15.24	225	60341	19.618	ug/l	99
95) Naphthalene	15.36	128	128292	17.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	71642	18.653	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: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion:168 Resp: 366244

Ion Ratio Lower Upper

168 100

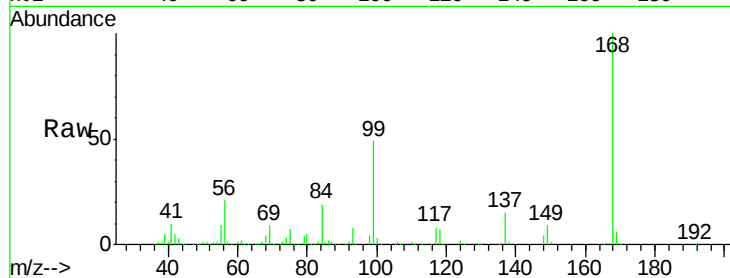
99 48.6 46.2 69.2

Manual Integrations

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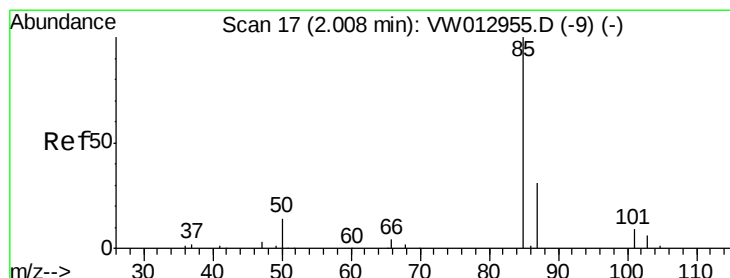
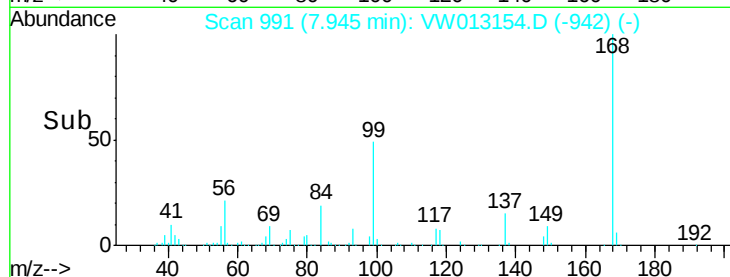
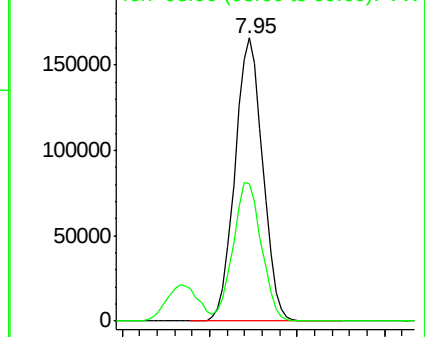
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.278 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013154.D

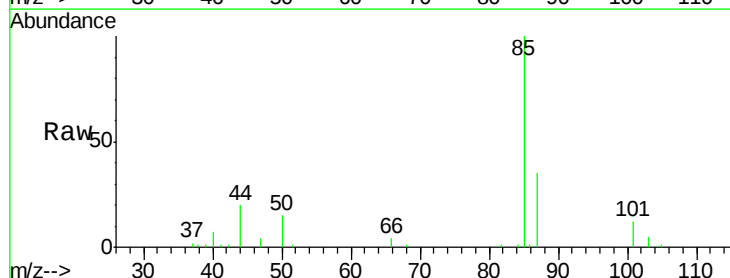
Acq: 19 Sep 2019 12:16

Tgt Ion: 85 Resp: 27053

Ion Ratio Lower Upper

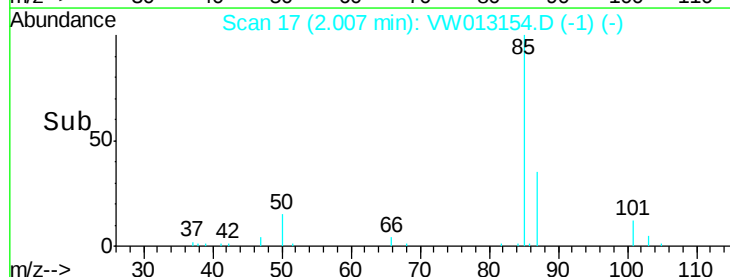
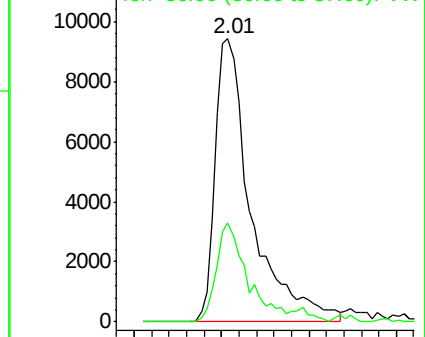
85 100

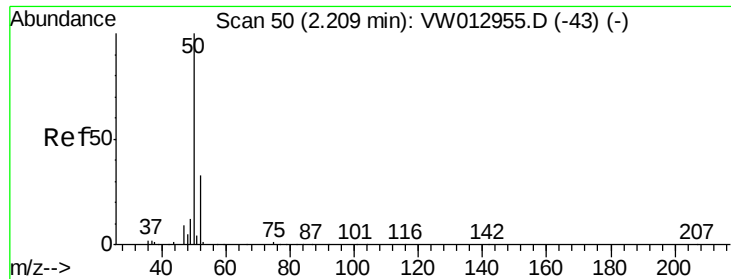
87 34.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 16.950 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampled :

VW0919SBS01

Tot Ion: 50 Resp: 35527

Ion Ratio Lower Upper

50 100

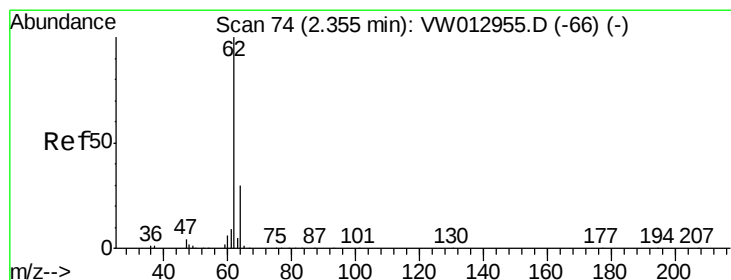
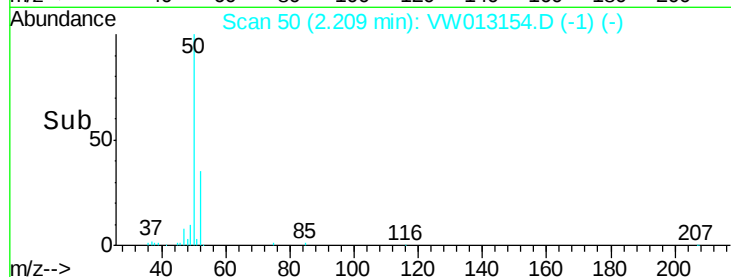
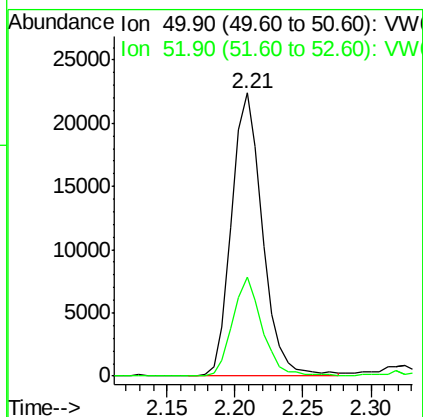
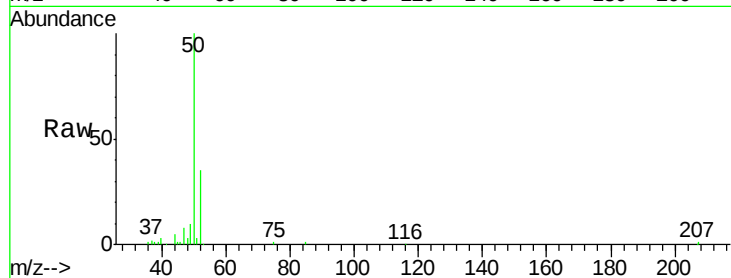
52 34.8 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.153 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013154.D

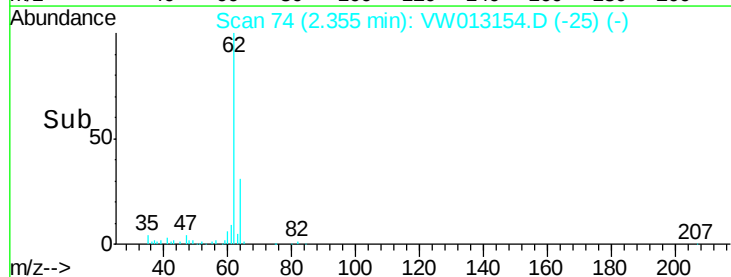
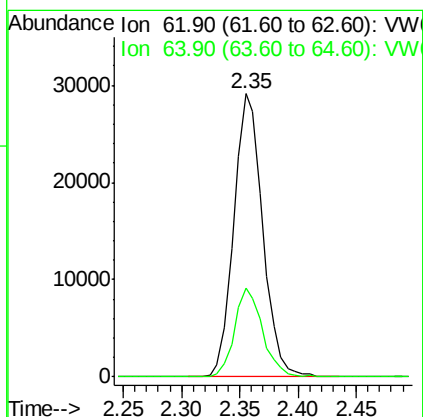
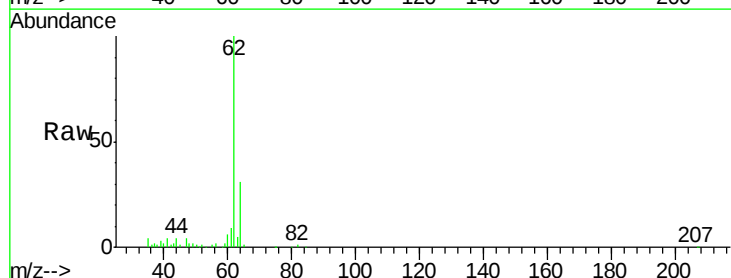
Acq: 19 Sep 2019 12:16

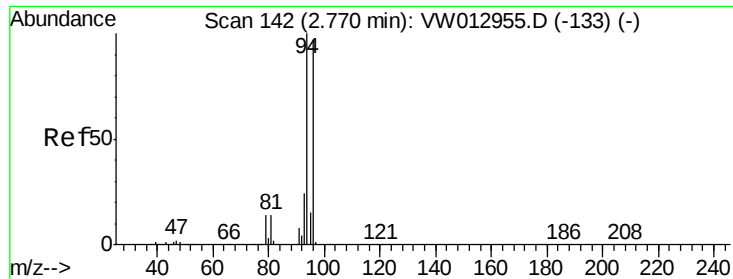
Tgt Ion: 62 Resp: 50210

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 18.807 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 94 Resp: 30108

Ion Ratio Lower Upper

94 100

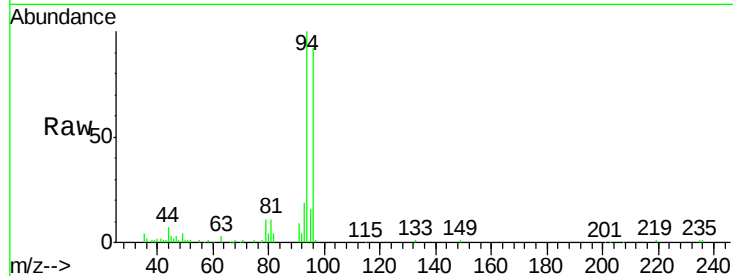
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Manual Integrations

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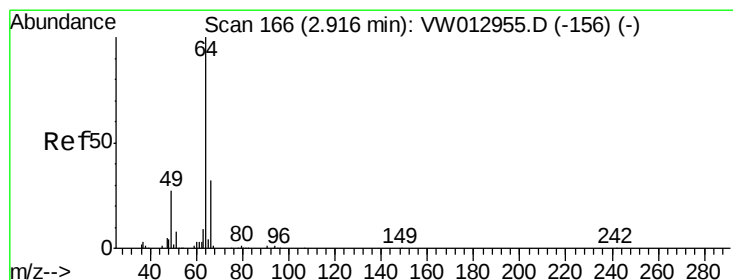
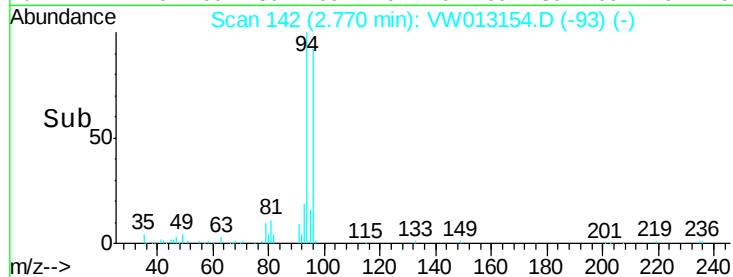
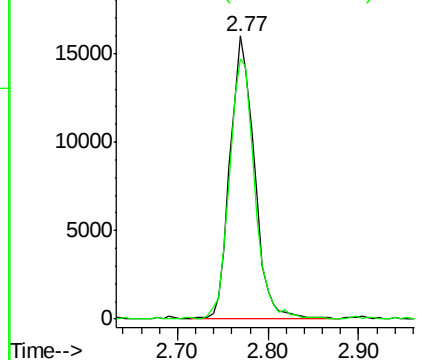
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.731 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013154.D

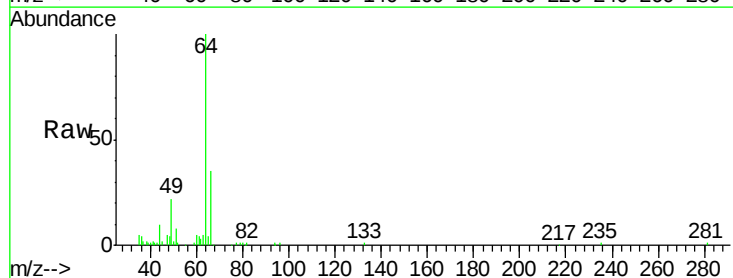
Acq: 19 Sep 2019 12:16

Tgt Ion: 64 Resp: 30116

Ion Ratio Lower Upper

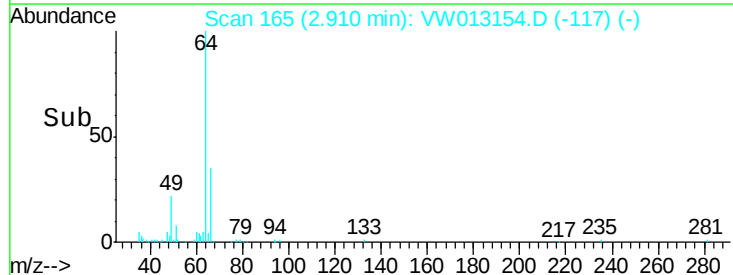
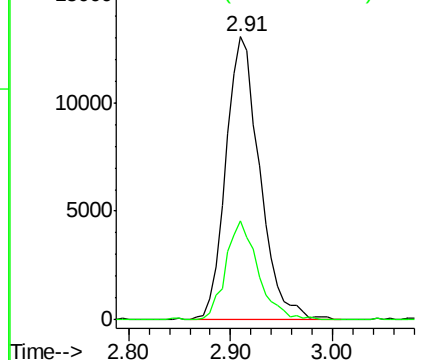
64 100

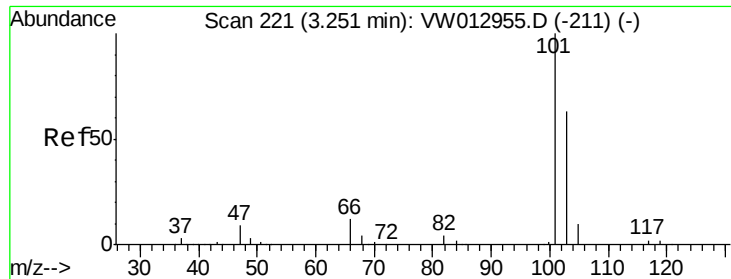
66 35.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

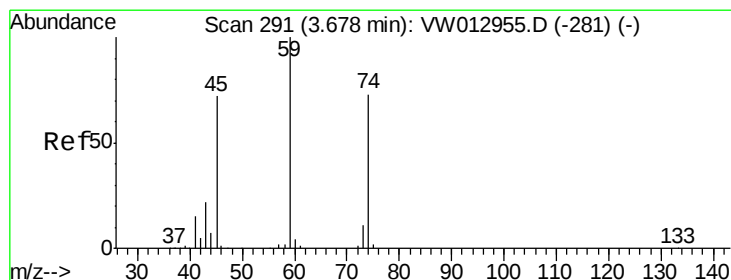
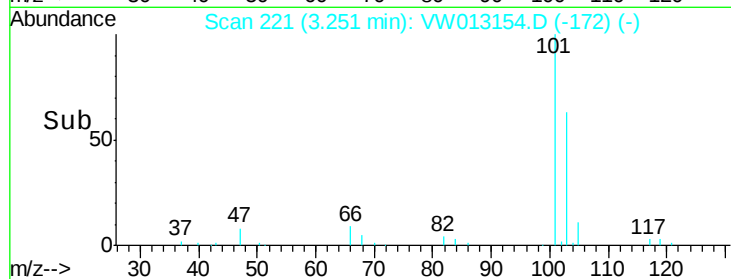
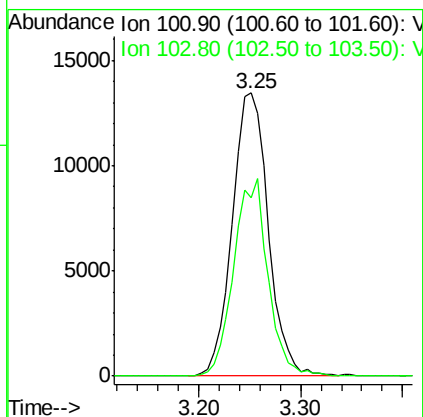
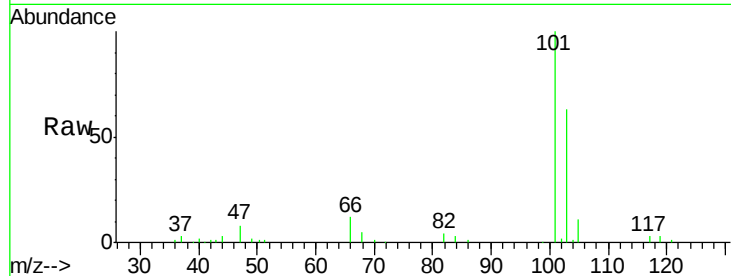
Trichlorofluoromethane
 Concen: 17.975 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Instrument :
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 VW0919SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		32951		
103	62.9	50.7	76.1		

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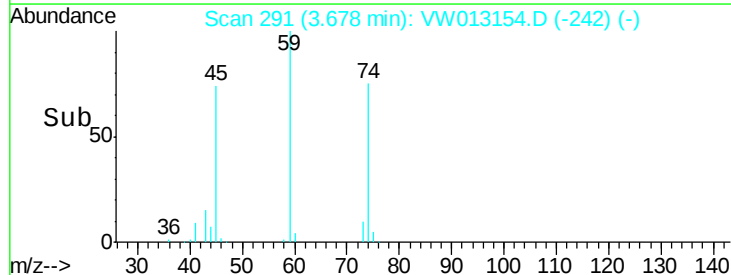
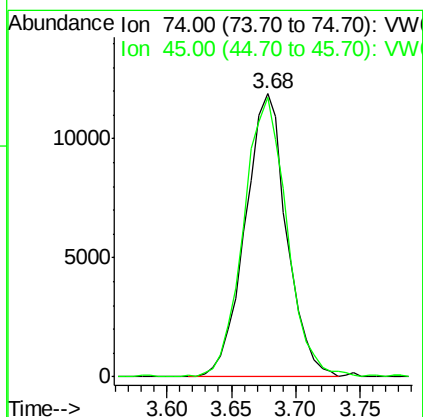
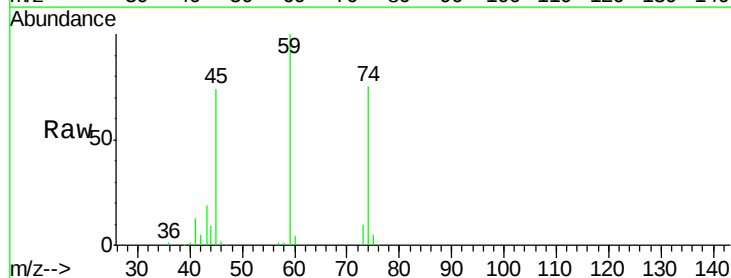
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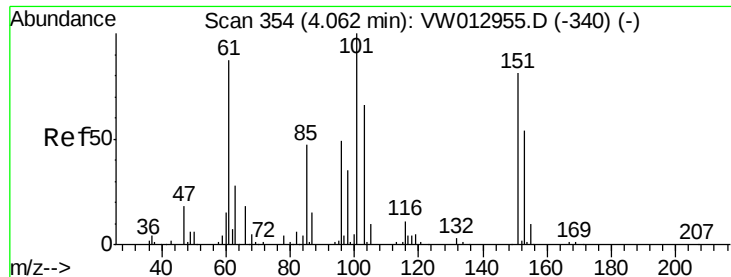


#8

Diethyl Ether
 Concen: 18.464 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		26430		
45	103.4	53.8	161.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.589 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

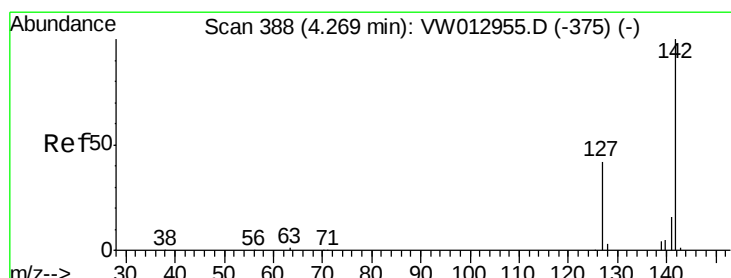
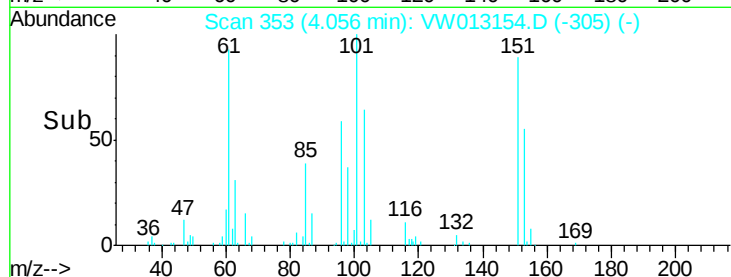
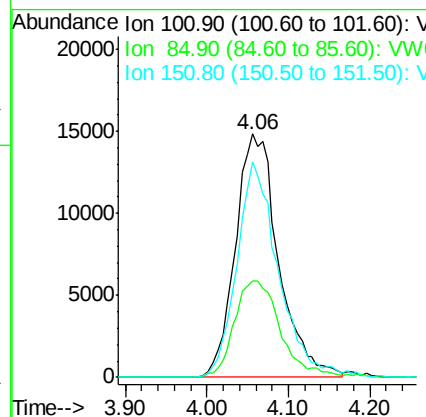
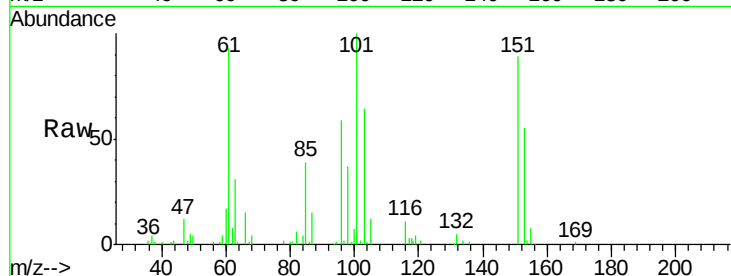
ClientSampleId :

VW0919SBS01

Tot Ion:	101	Resp:	54463
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.9	52.3
151	85.5	66.0	99.0

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#10

Methyl Iodide

Concen: 21.353 ug/l

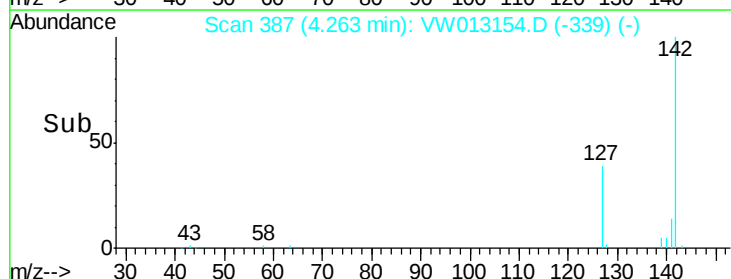
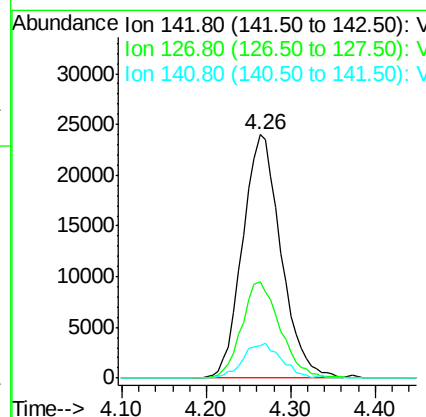
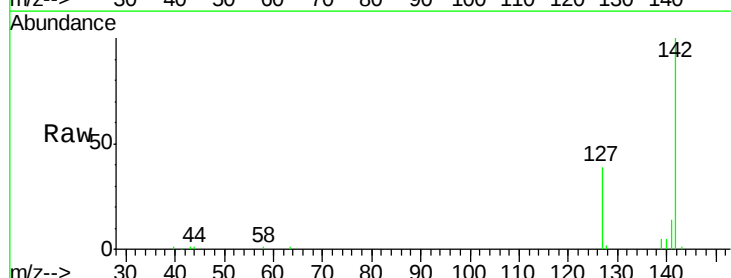
RT: 4.26 min Scan# 387

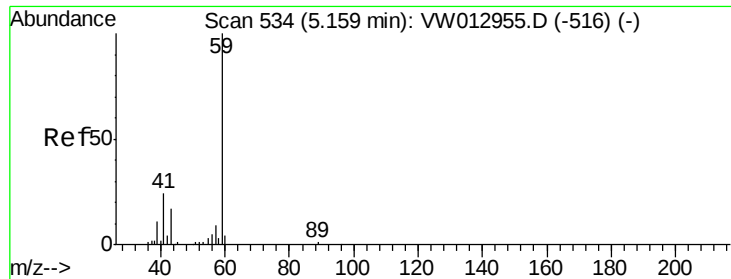
Delta R.T. -0.01 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Tgt Ion:	142	Resp:	74298
Ion Ratio	Lower	Upper	
142	100		
127	39.4	34.7	52.1
141	14.1	12.2	18.2





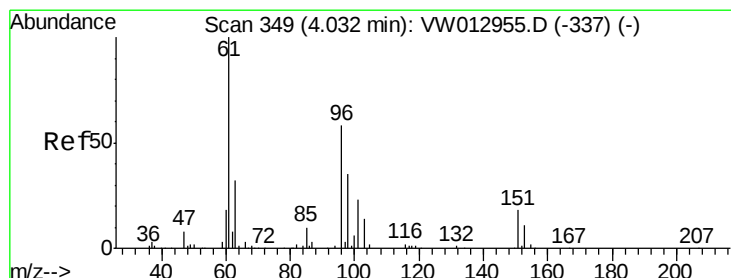
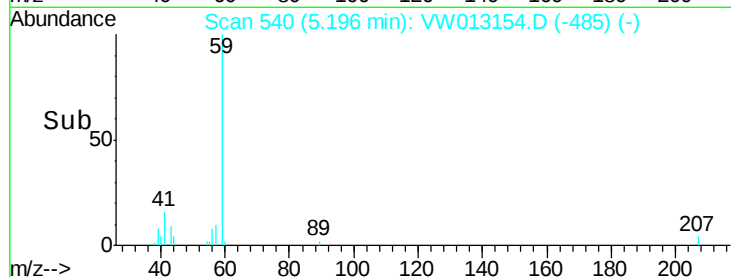
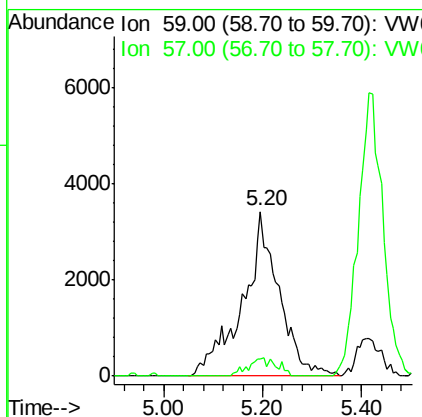
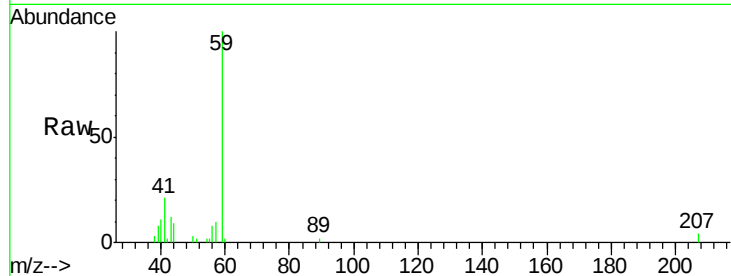
#11
Tert butyl alcohol
Concen: 59.909 ug/l m
RT: 5.20 min Scan# 540
Delta R.T. 0.04 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion: 59 Resp: 17398
Ion Ratio Lower Upper
59 100
57 3.2 8.5 12.7#

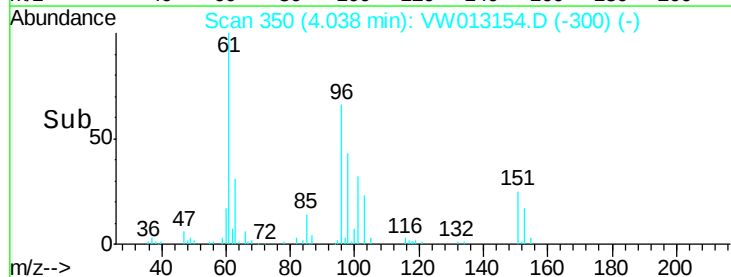
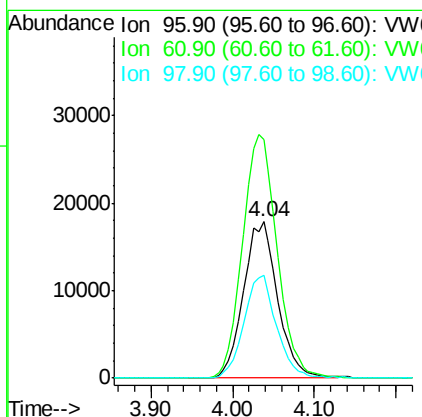
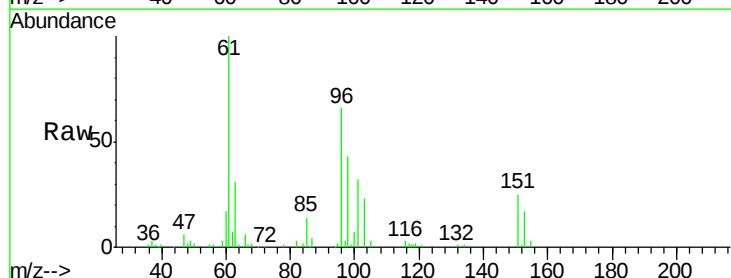
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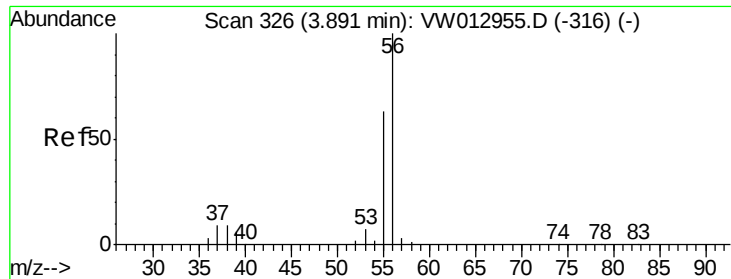
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#12
1,1-Dichloroethene
Concen: 20.595 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion: 96 Resp: 52065
Ion Ratio Lower Upper
96 100
61 152.3 137.9 206.9
98 66.1 48.9 73.3





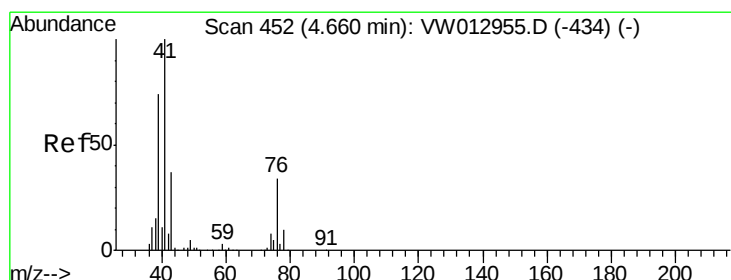
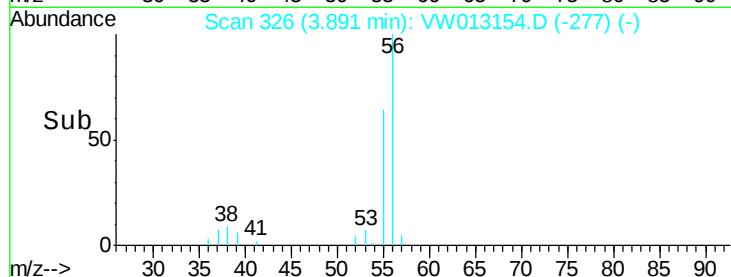
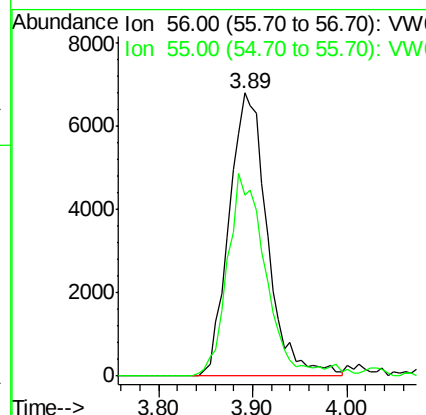
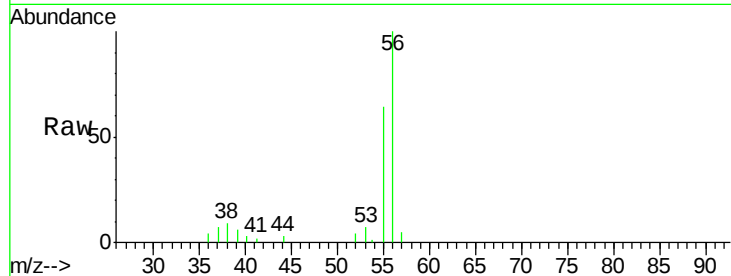
#13
Acrolein
Concen: 71.880 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.8	83.8

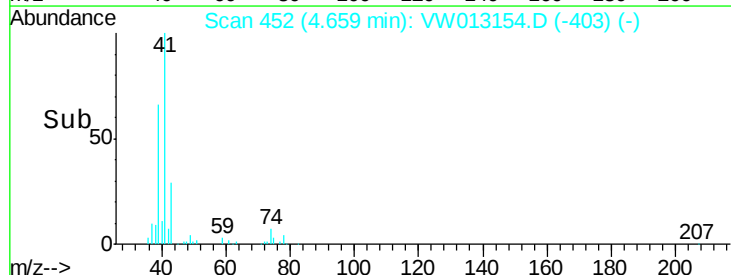
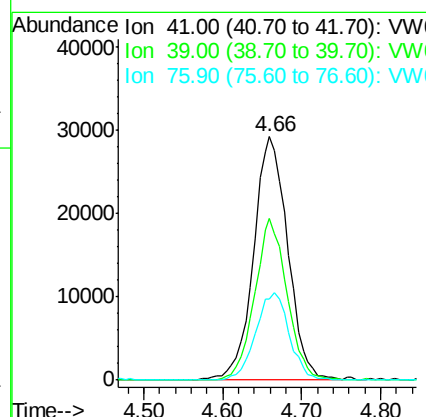
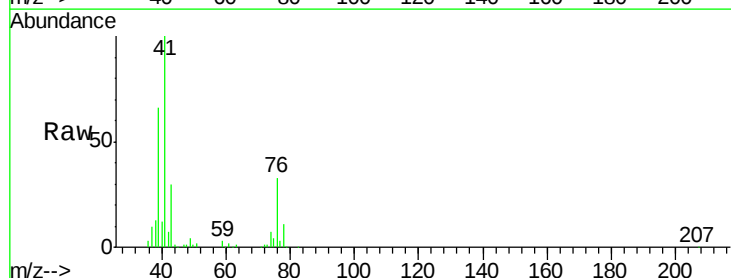
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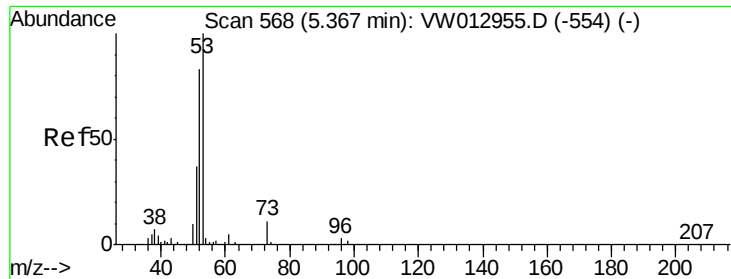
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#14
Allyl chloride
Concen: 18.323 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.0	56.7	85.1
76	35.1	25.1	37.7





#15

Acrylonitrile

Concen: 81.968 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

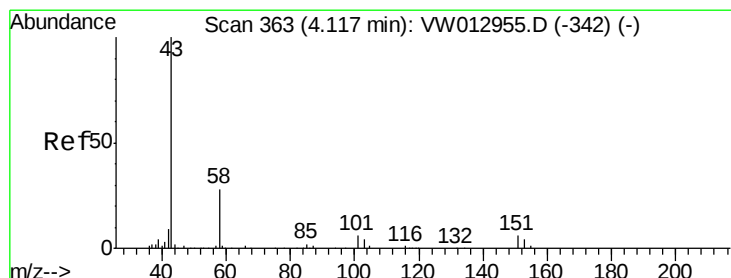
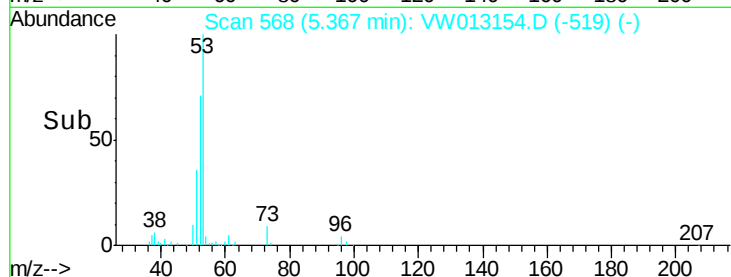
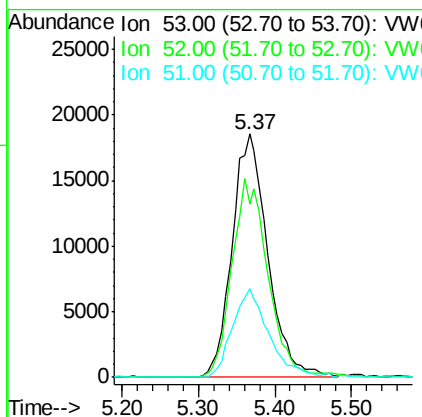
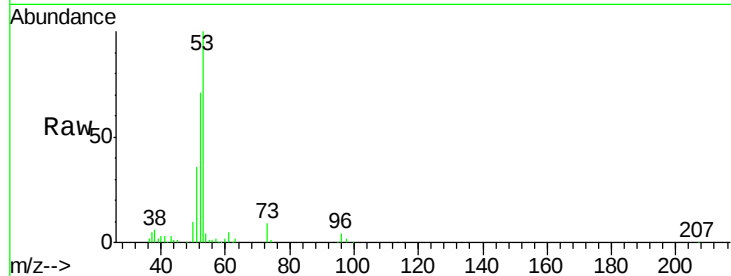
ClientSampleId :

VW0919SBS01

Tot Ion:	53	Resp:	59925
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	100.0
51	36.8	29.8	44.8

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#16

Acetone

Concen: 58.483 ug/l

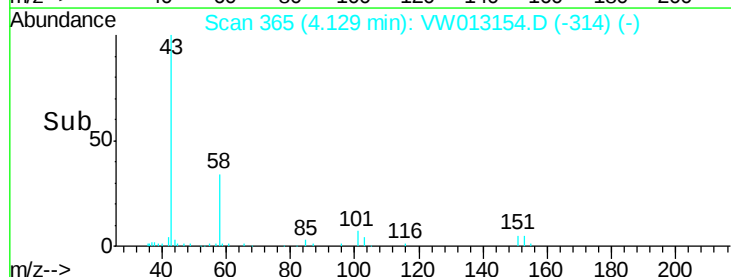
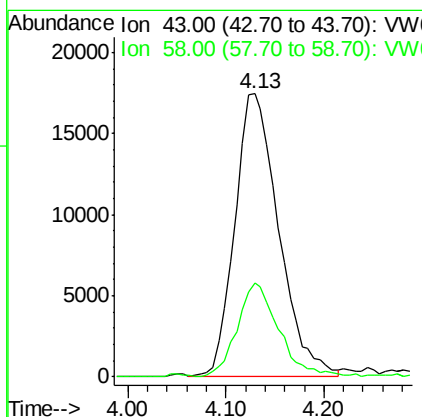
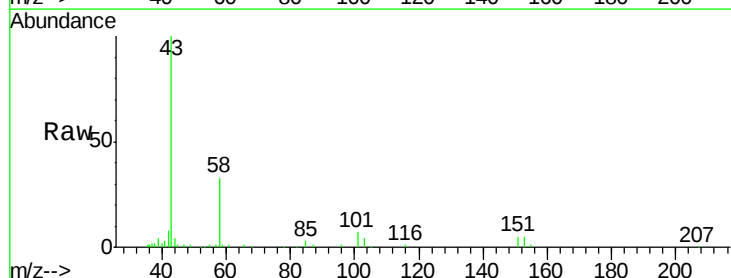
RT: 4.13 min Scan# 365

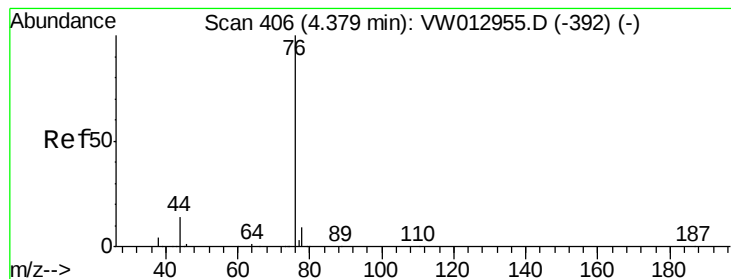
Delta R.T. 0.01 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Tgt Ion:	43	Resp:	53916
Ion	Ratio	Lower	Upper
43	100		
58	32.9	22.3	33.5





#17

Carbon Disulfide

Concen: 19.285 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 76 Resp: 97155

Ion Ratio Lower Upper

76 100

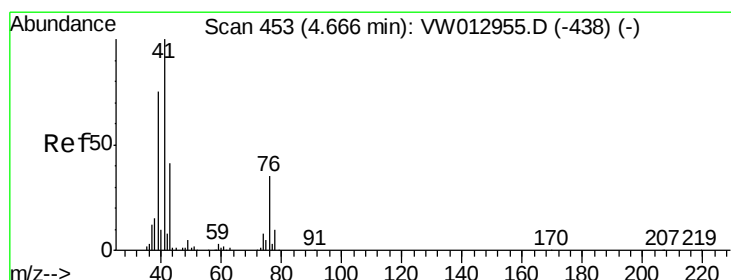
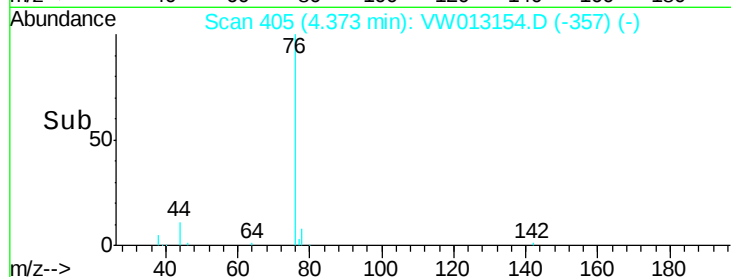
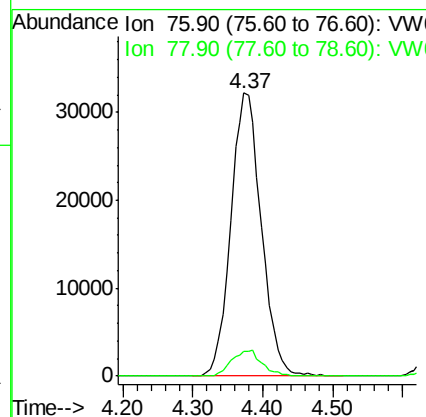
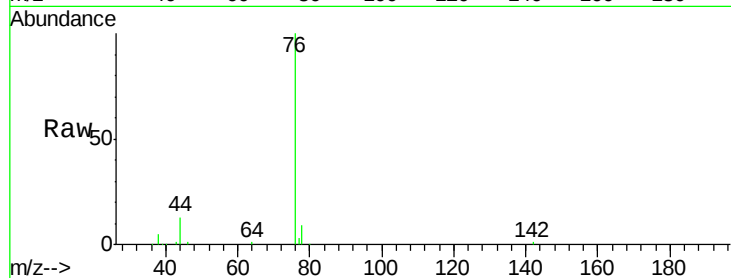
78 8.7 7.0 10.4

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#18

Methyl Acetate

Concen: 15.897 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013154.D

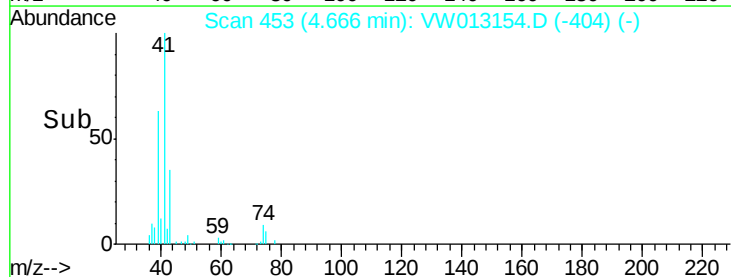
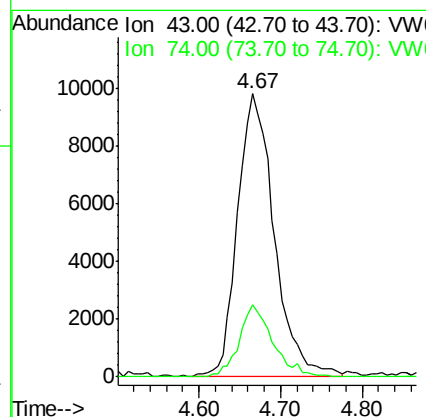
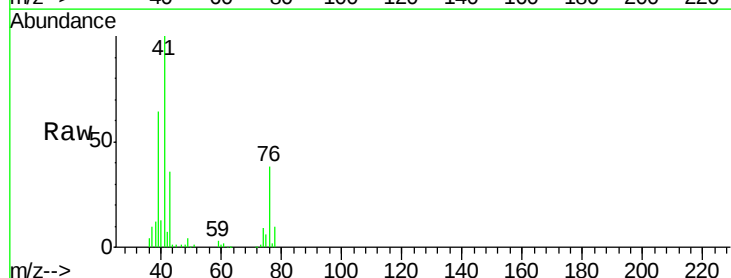
Acq: 19 Sep 2019 12:16

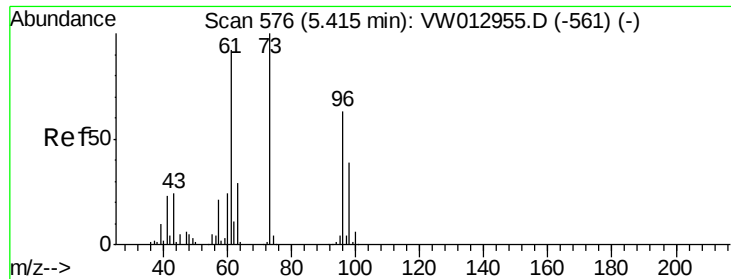
Tgt Ion: 43 Resp: 30635

Ion Ratio Lower Upper

43 100

74 23.3 17.8 26.8





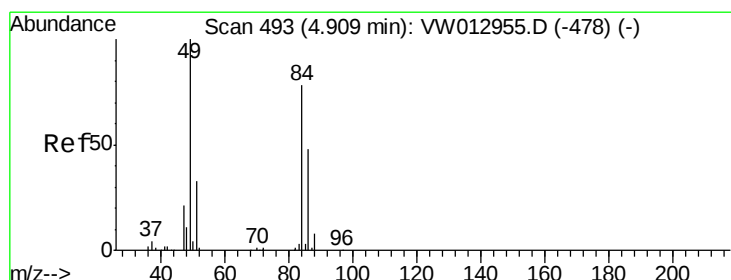
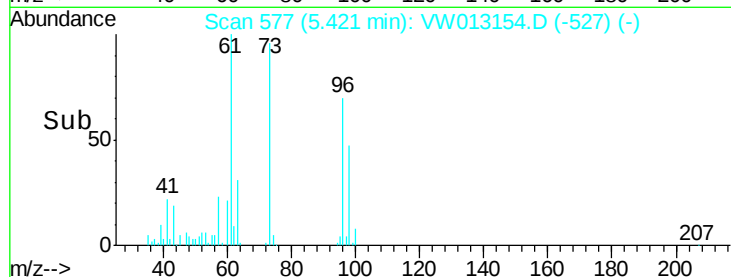
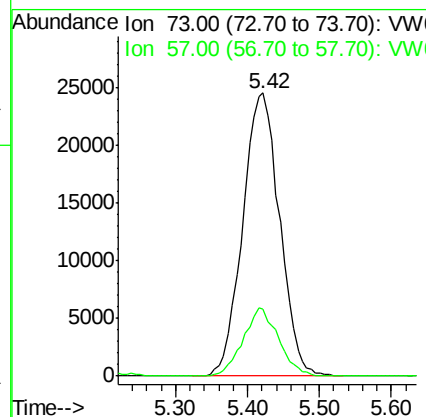
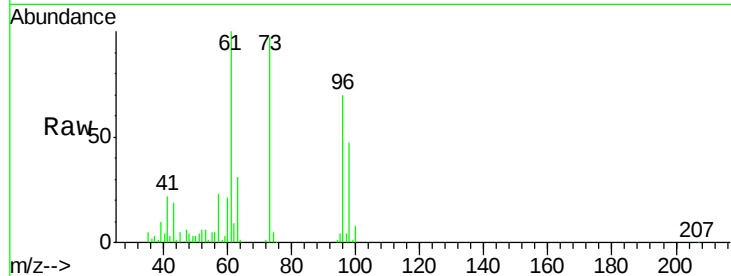
#19
Methvl tert-butvl Ether
Concen: 17.443 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion: 73 Resp: 87043
Ion Ratio Lower Upper
73 100
57 23.9 16.4 24.6

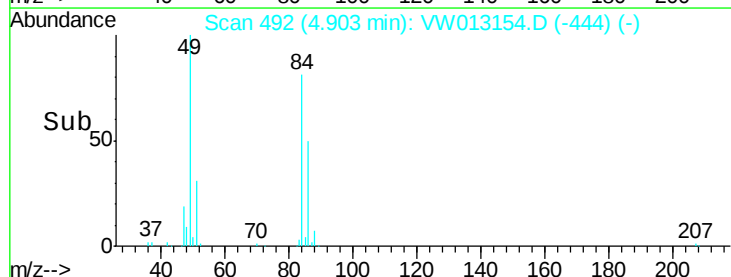
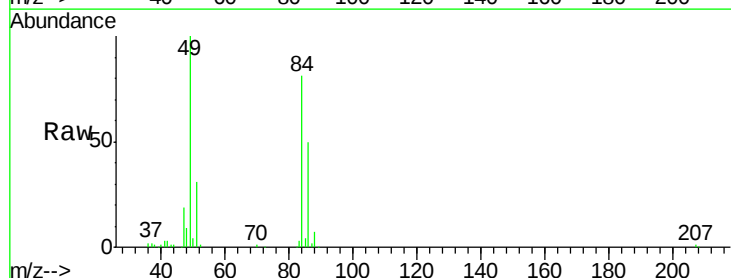
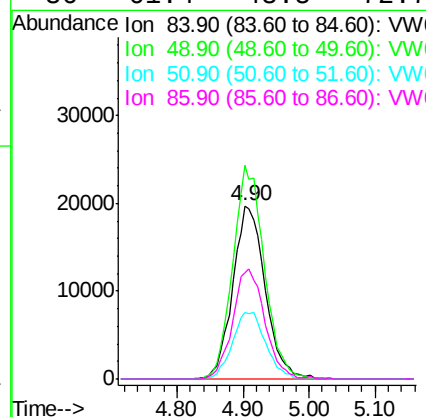
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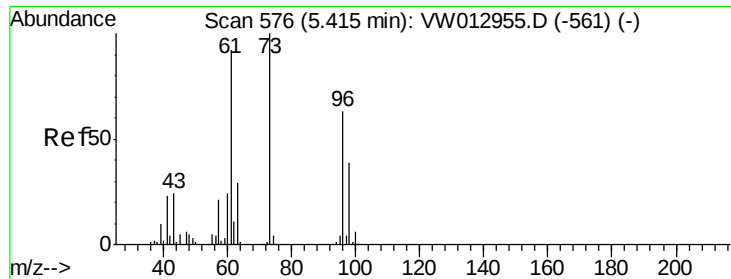
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#20
Methylene Chloride
Concen: 21.558 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion: 84 Resp: 66975
Ion Ratio Lower Upper
84 100
49 123.3 102.0 153.0
51 38.1 34.0 51.0
86 61.4 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.107 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

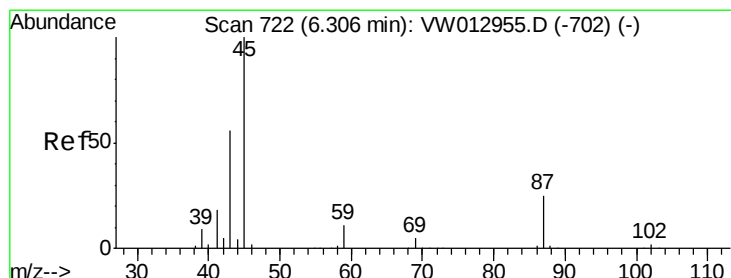
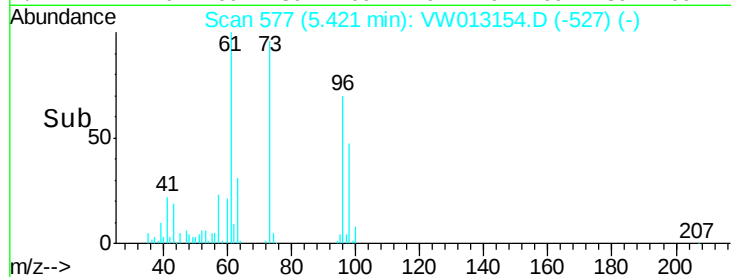
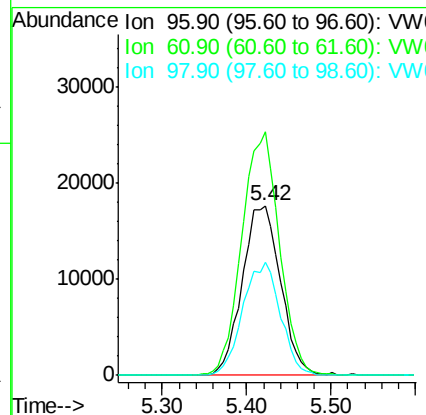
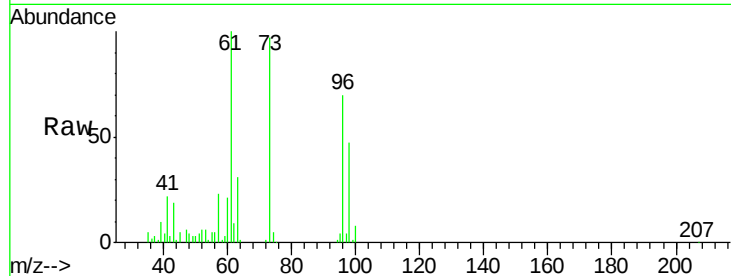
ClientSampleId :

VW0919SBS01

Tot Ion:	96	Resp:	54442
Ion	Ratio	Lower	Upper
96	100		
61	143.6	116.2	174.2
98	66.8	49.8	74.6

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#22

Diisopropyl ether

Concen: 18.416 ug/l

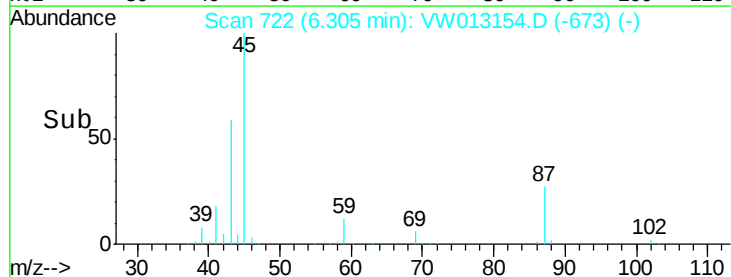
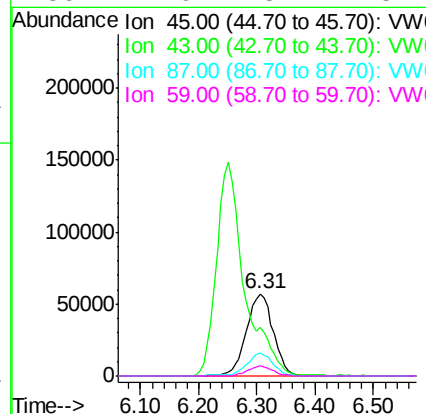
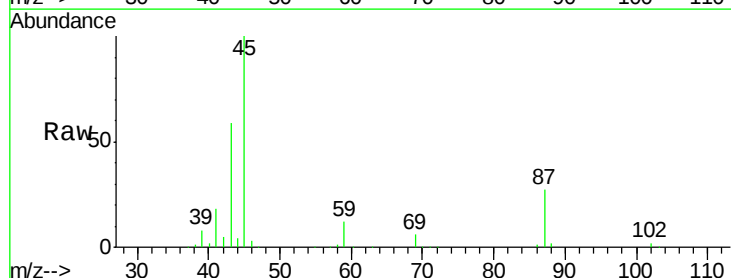
RT: 6.31 min Scan# 722

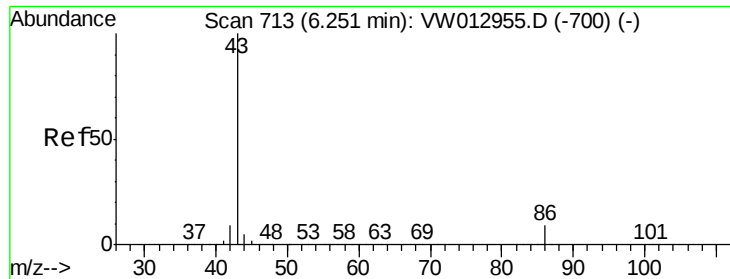
Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Tgt Ion:	45	Resp:	183607
Ion	Ratio	Lower	Upper
45	100		
43	58.5	44.6	67.0
87	27.4	20.0	30.0
59	11.9	8.7	13.1





#23

Vinyl Acetate

Concen: 82.728 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 43 Resp: 494014

Ion Ratio Lower Upper

43 100

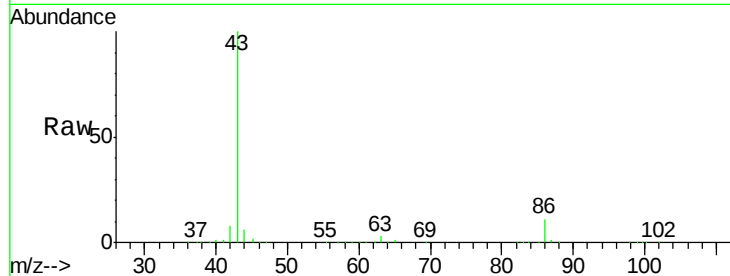
86 11.0 7.0 10.6#

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

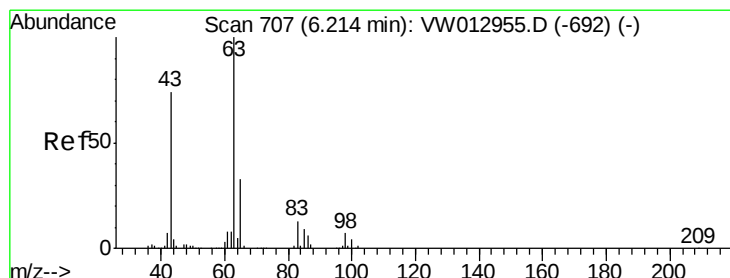
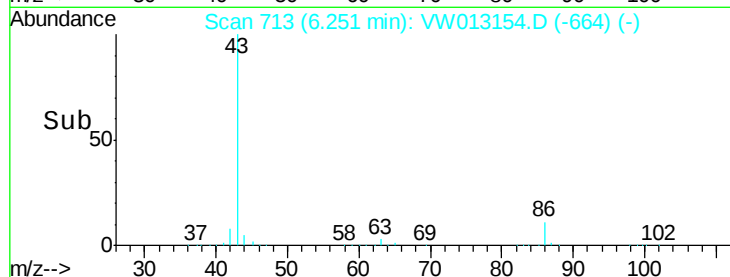
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.532 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

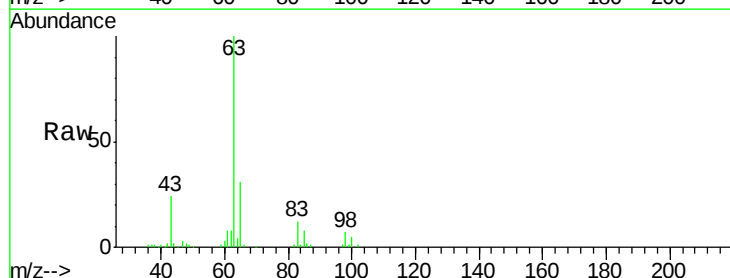
Tgt Ion: 63 Resp: 106532

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

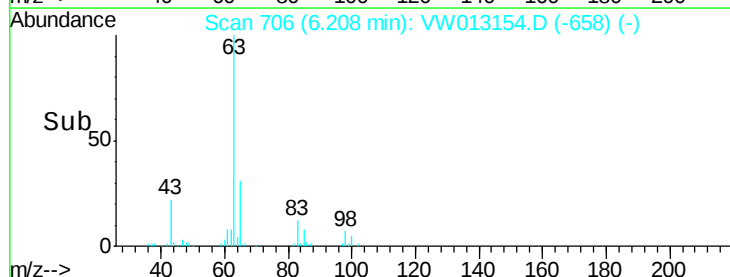
30000

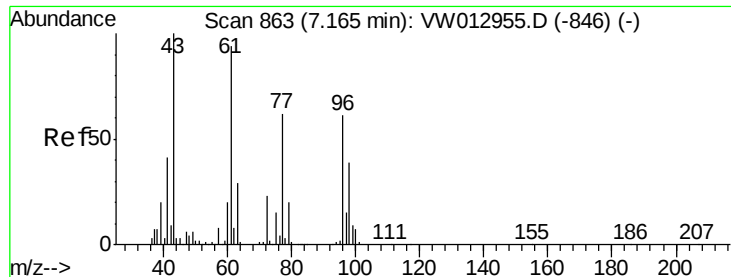
20000

10000

0

Time-->





#25

2-Butanone

Concen: 72.674 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 43 Resp: 78166

Ion Ratio Lower Upper

43 100

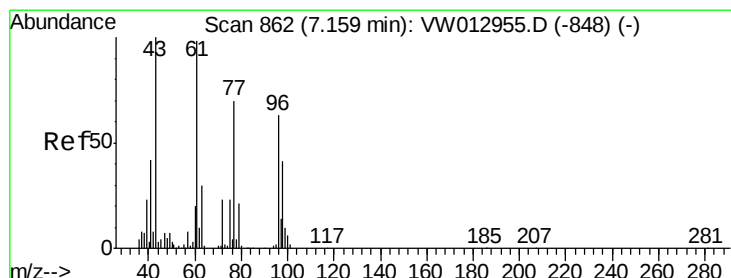
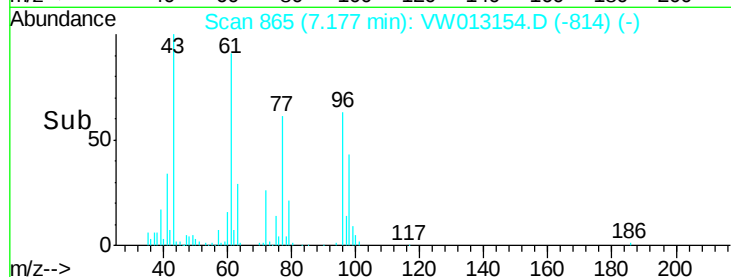
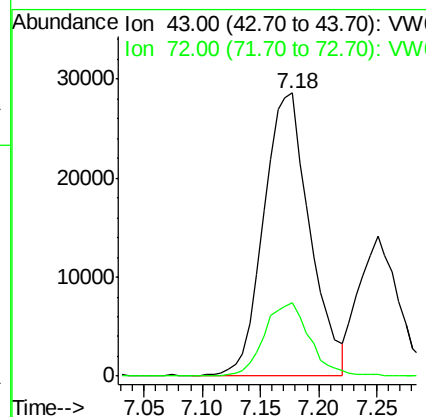
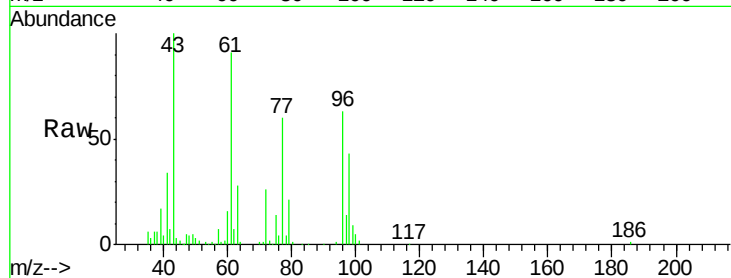
72 26.2 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 15.906 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013154.D

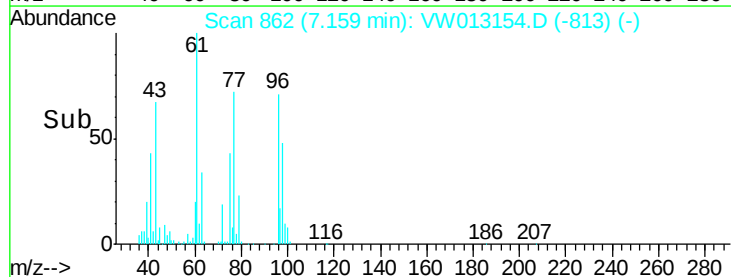
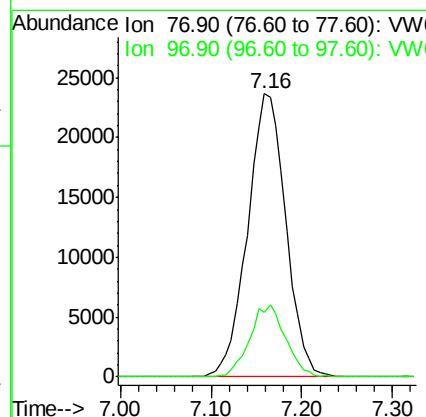
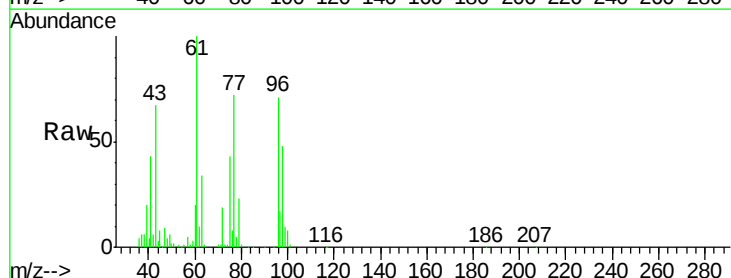
Acq: 19 Sep 2019 12:16

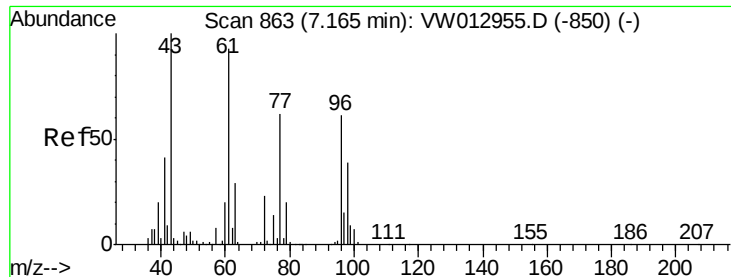
Tgt Ion: 77 Resp: 68816

Ion Ratio Lower Upper

77 100

97 23.9 10.7 32.1





#27

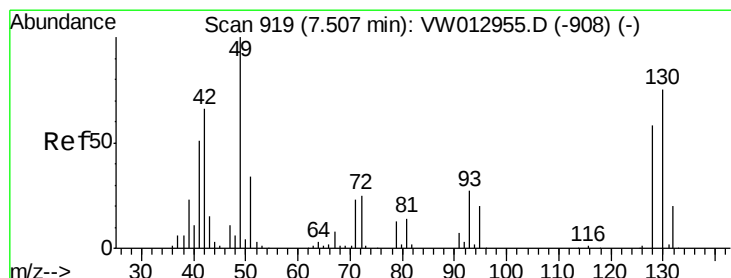
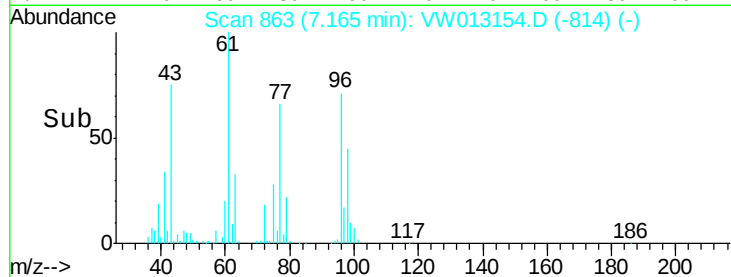
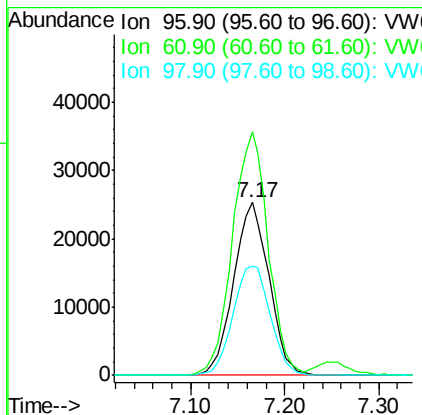
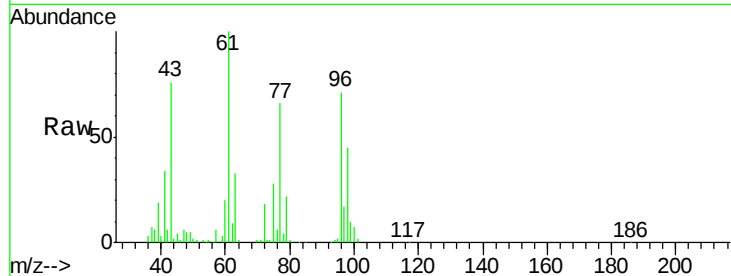
cis-1,2-Dichloroethene
Concen: 20.367 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	315.4
98	66.6	0.0	131.0

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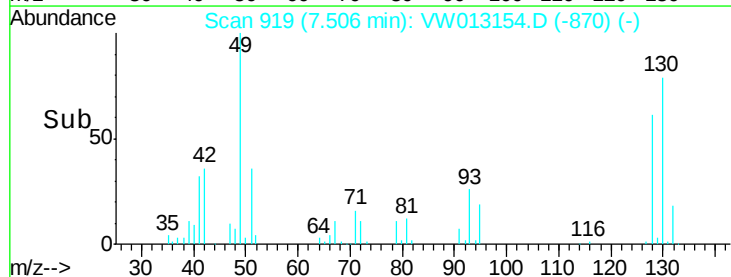
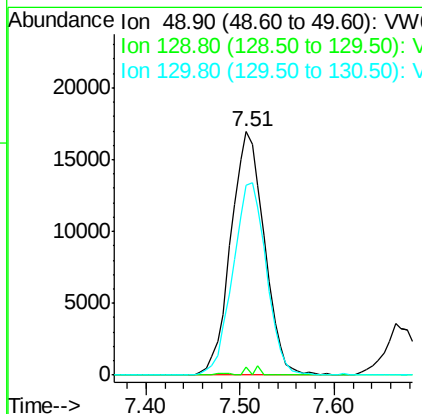
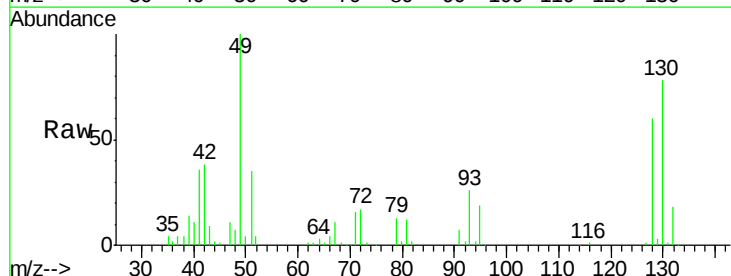
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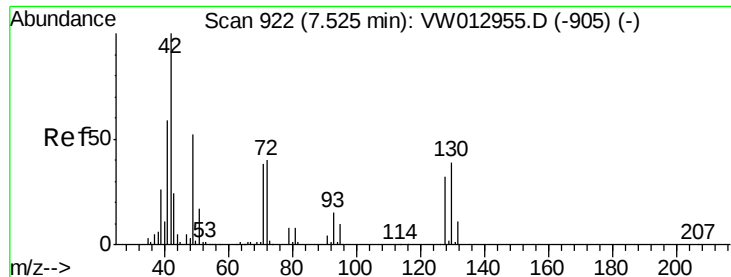


#28

Bromochloromethane
Concen: 17.300 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	79.0	57.8	86.6





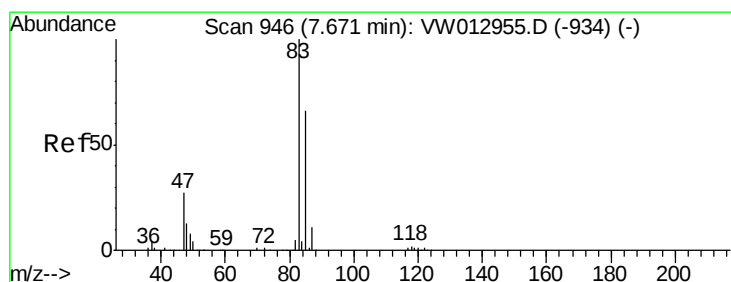
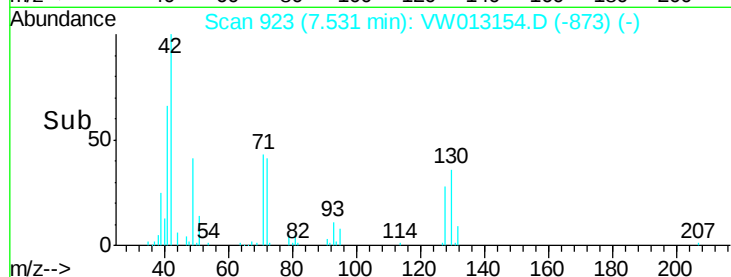
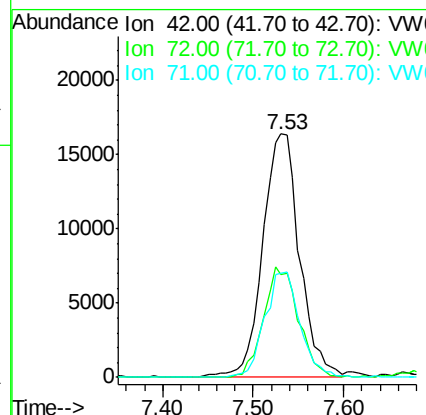
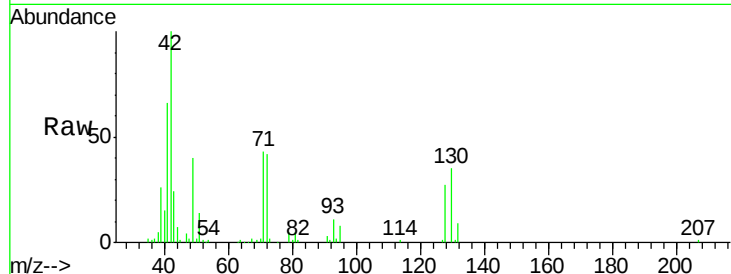
#29
Tetrahydrofuran
Concen: 75.268 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	31.4	47.0
71	41.4	29.8	44.8

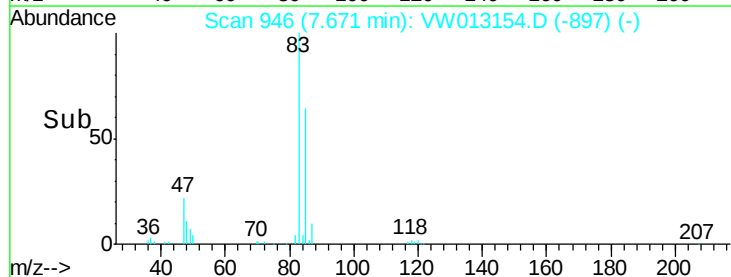
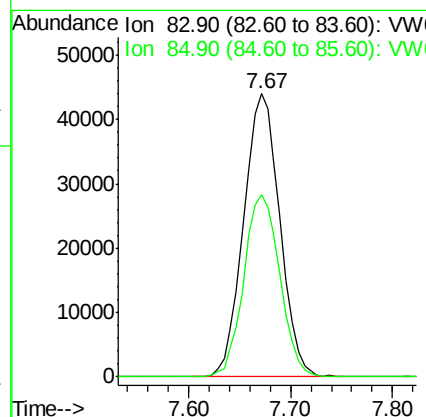
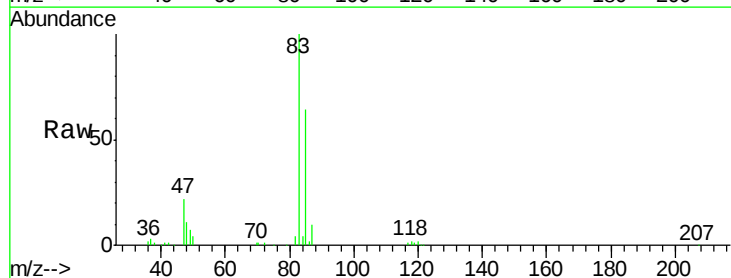
Manual Integrations
APPROVED

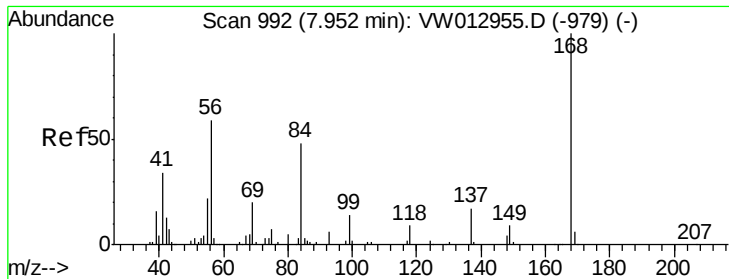
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#30
Chloroform
Concen: 18.546 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.8	79.2





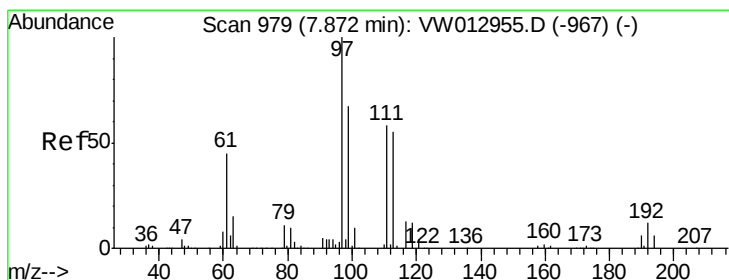
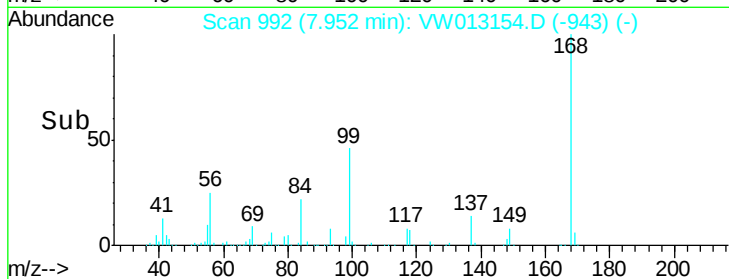
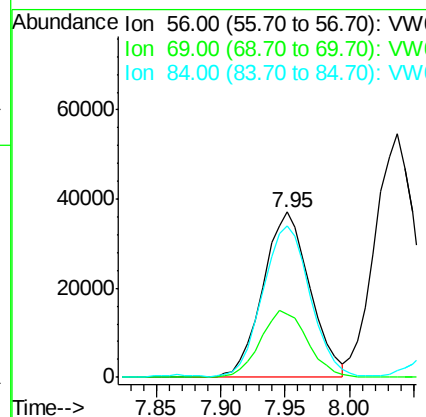
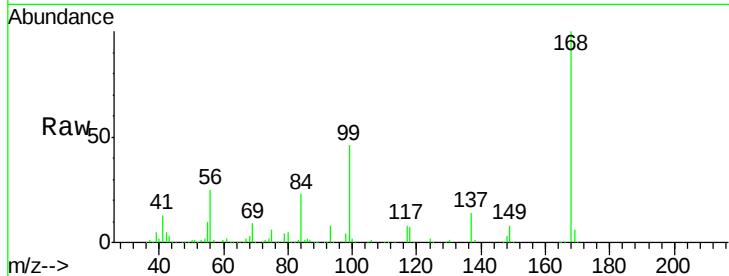
#31
Cyclohexane
Concen: 19.173 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	27.0	40.6
84	91.1	66.2	99.2

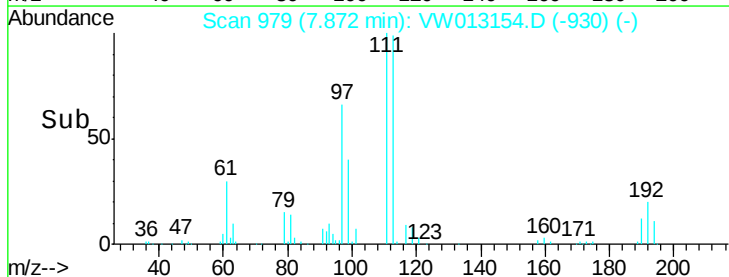
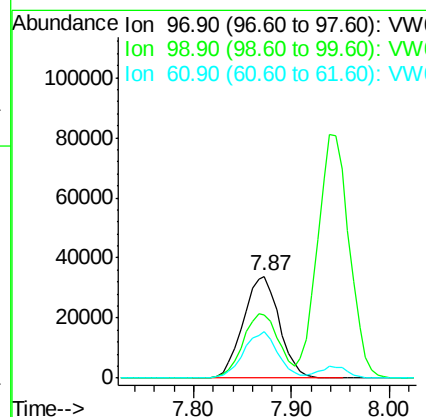
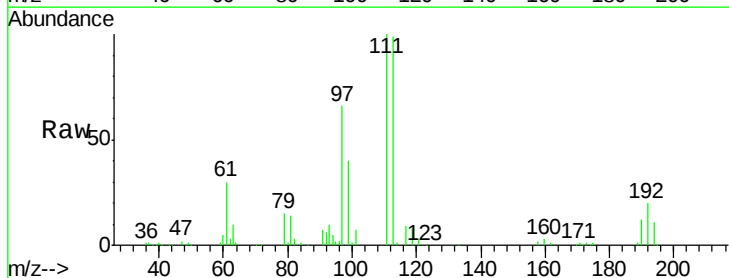
Manual Integrations
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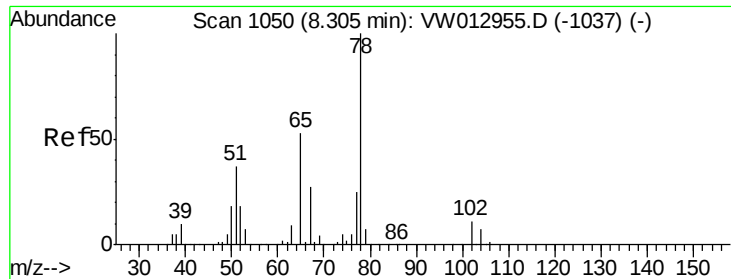
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#32
1,1,1-Trichloroethane
Concen: 17.947 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	53.0	79.4
61	43.9	36.5	54.7





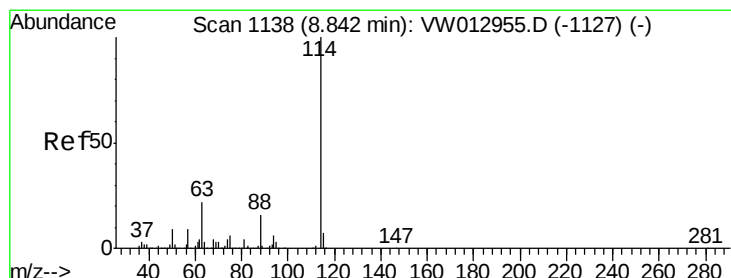
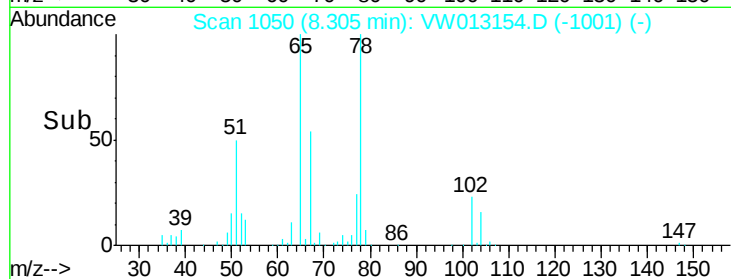
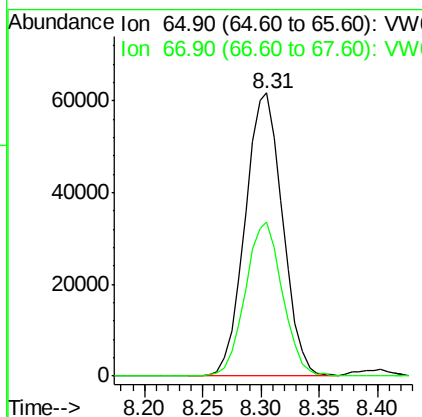
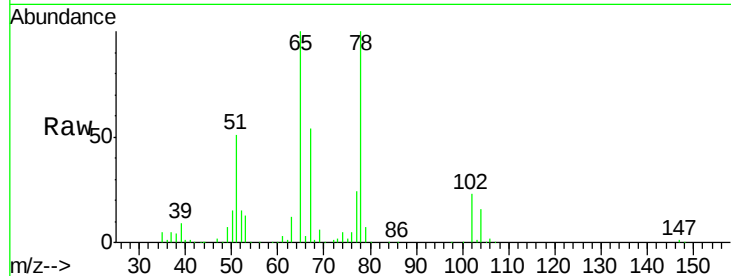
#33
 1,2-Dichloroethane-d4
 Concen: 40.975 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138599		
67	53.9	0.0	101.2	

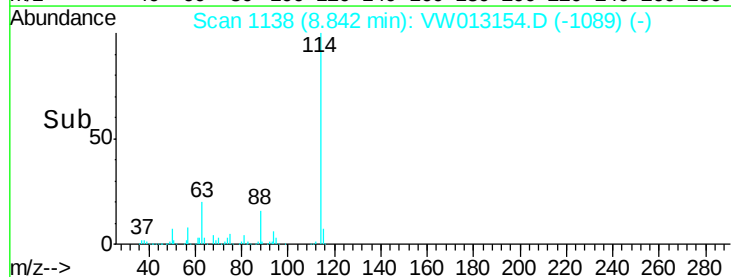
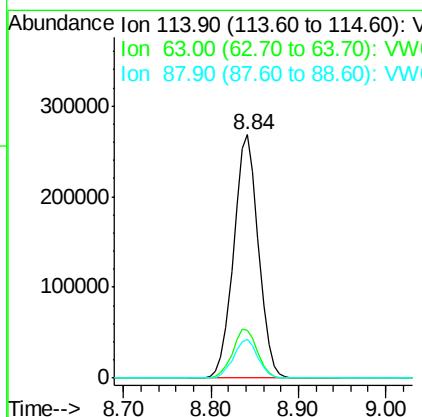
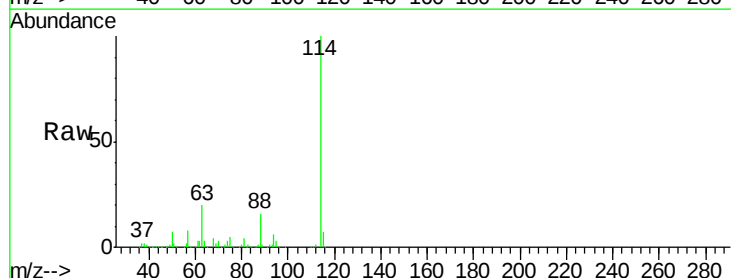
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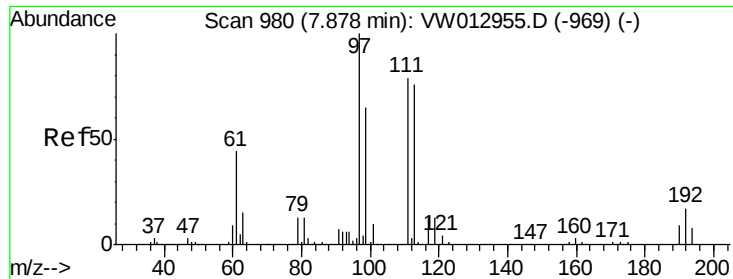
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	526204		
63	19.7	0.0	43.4	
88	15.8	0.0	31.6	





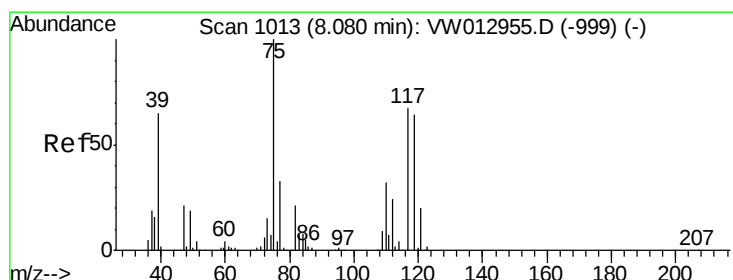
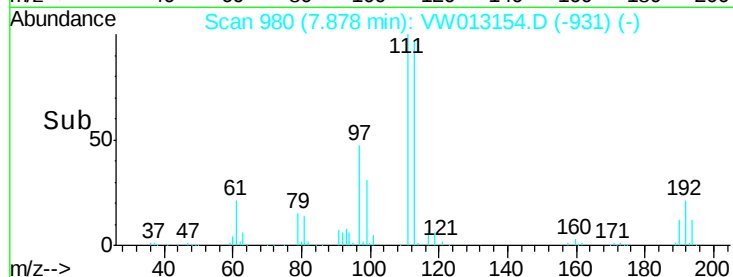
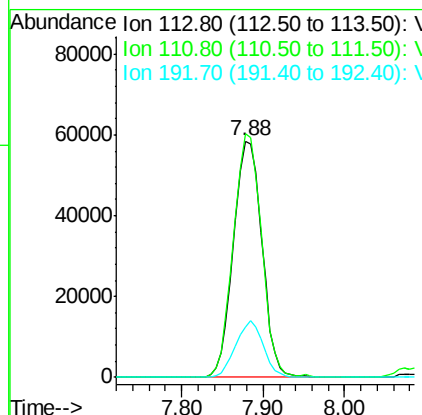
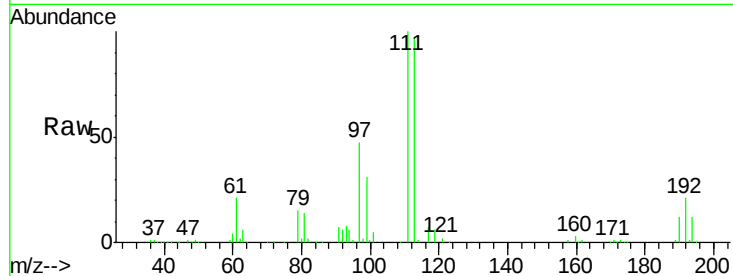
#35
 Dibromofluoromethane
 Concen: 49.554 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141490		
111	101.6	82.8	124.2	
192	22.9	17.8	26.8	

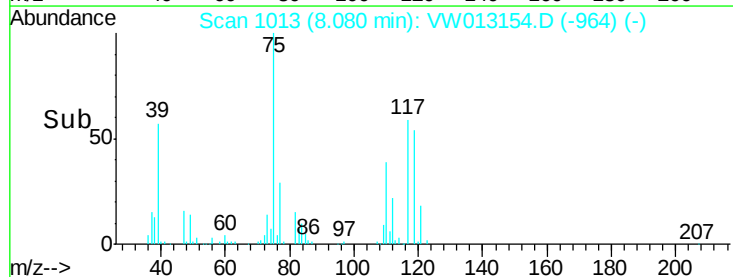
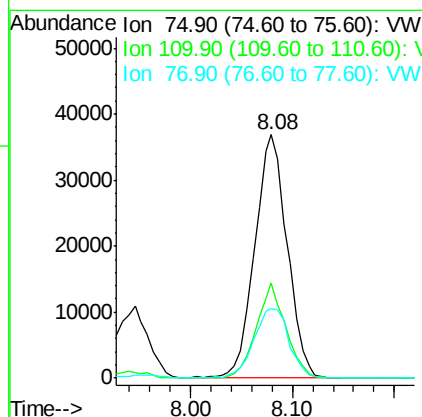
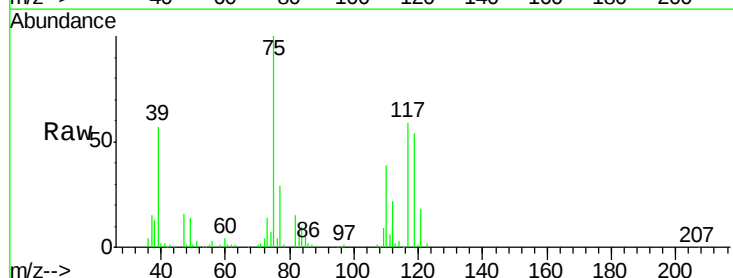
Manual Integrations
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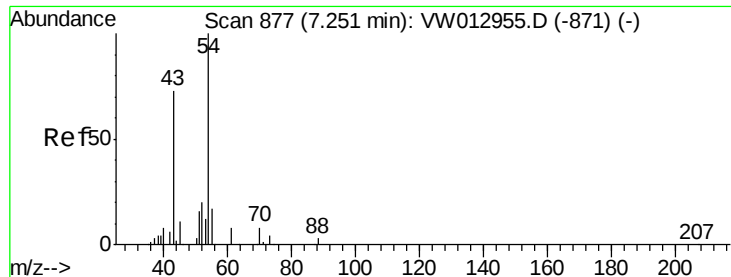
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#36
 1,1-Dichloropropene
 Concen: 19.406 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81601		
110	35.6	16.4	49.1	
77	31.1	25.1	37.7	





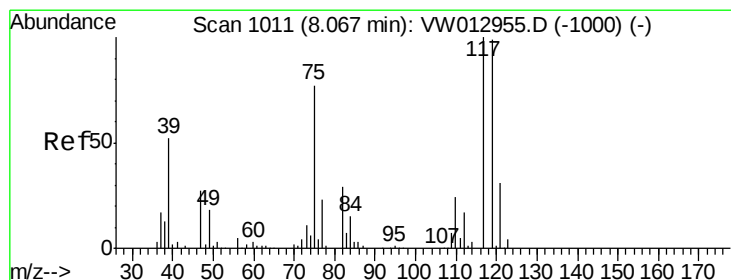
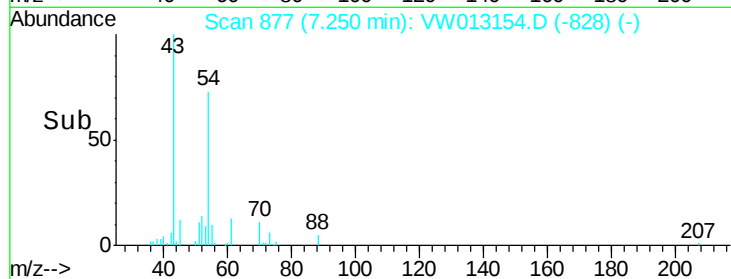
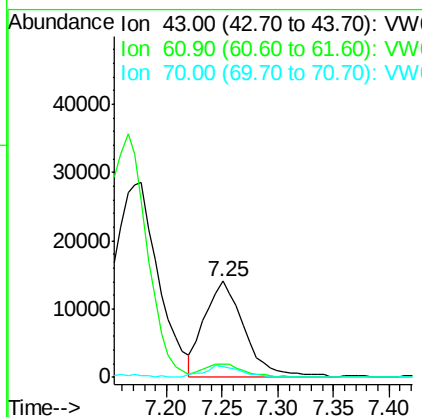
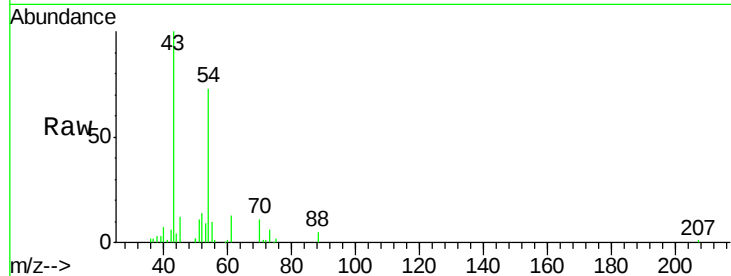
#37
Ethyl Acetate
Concen: 15.397 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampled :
VW0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.8	9.6	14.4#	
70	11.4	7.6	11.4	

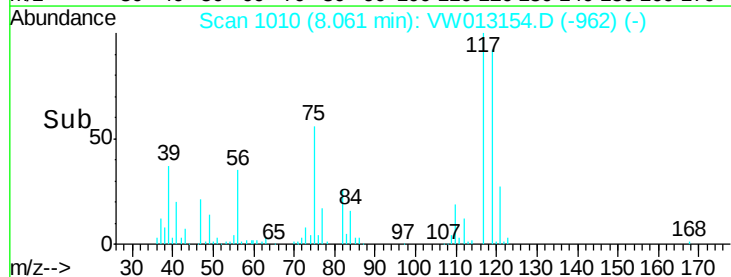
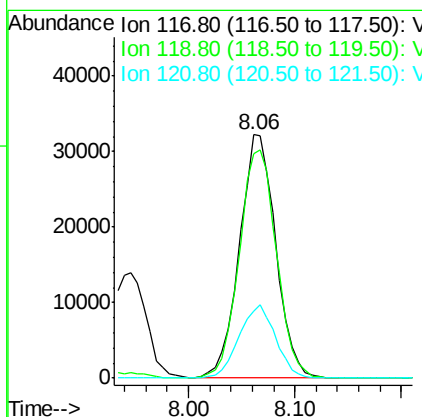
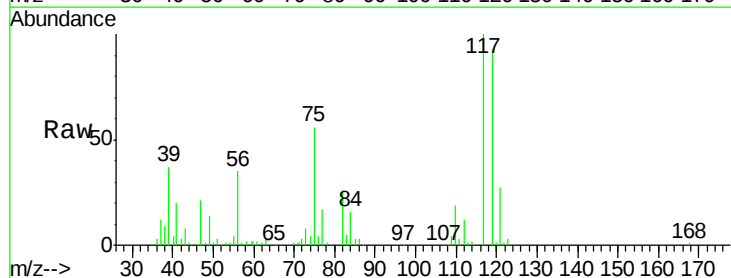
Manual Integrations
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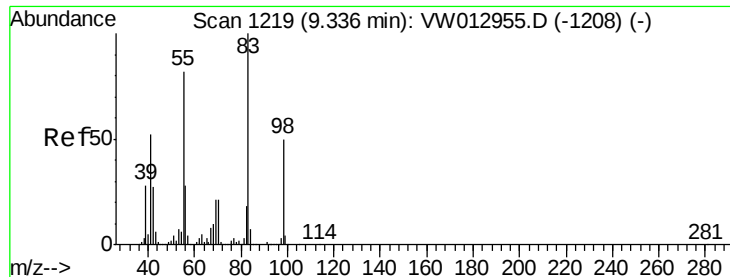
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#38
Carbon Tetrachloride
Concen: 17.898 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.2	79.4	119.0	
121	27.3	24.6	36.8	





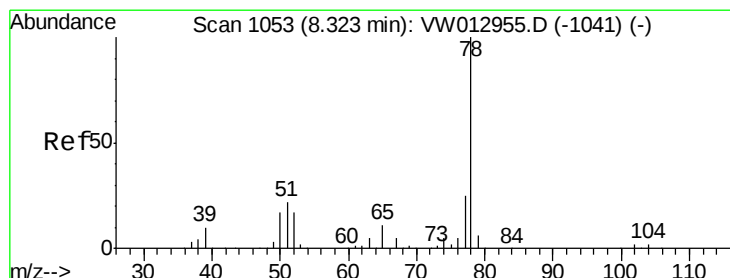
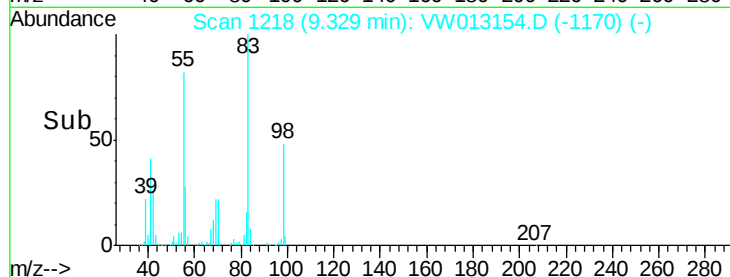
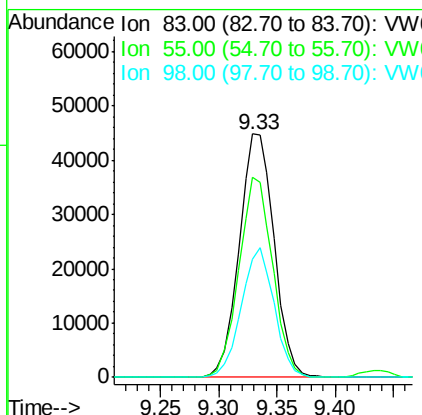
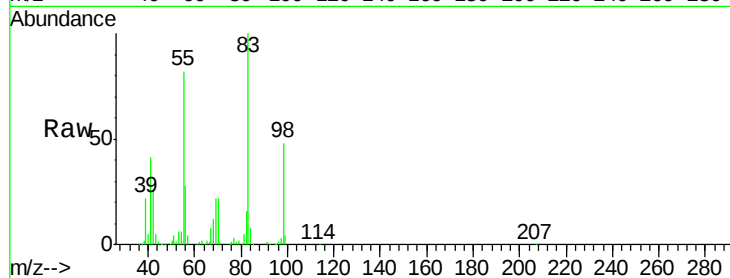
#39
Methvlcvclohexane
Concen: 20.327 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	65.9	98.9
98	48.4	39.6	59.4

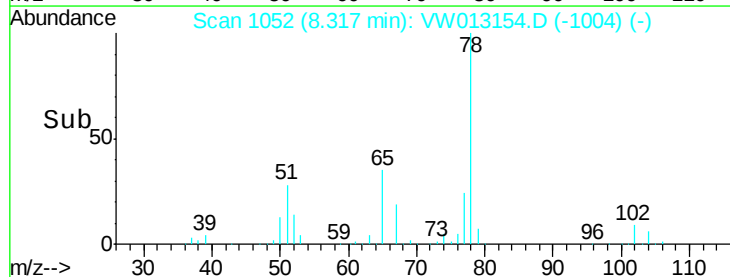
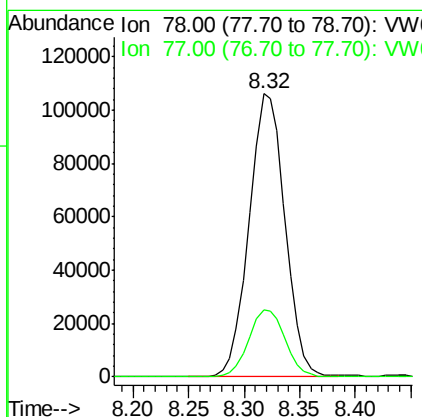
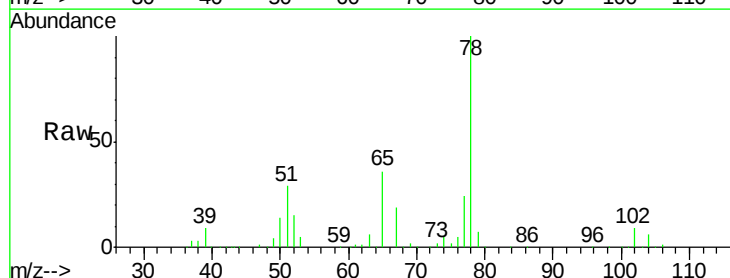
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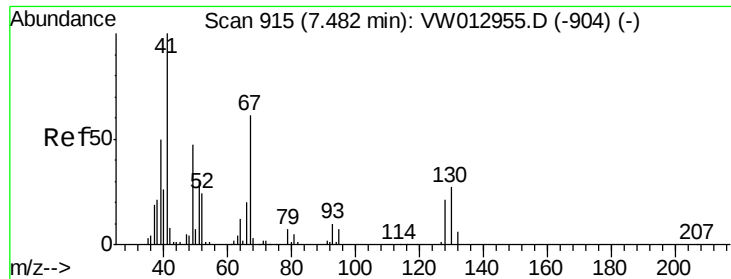
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#40
Benzene
Concen: 20.314 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.6	29.4





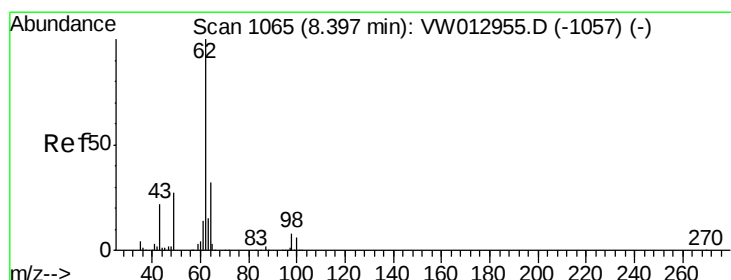
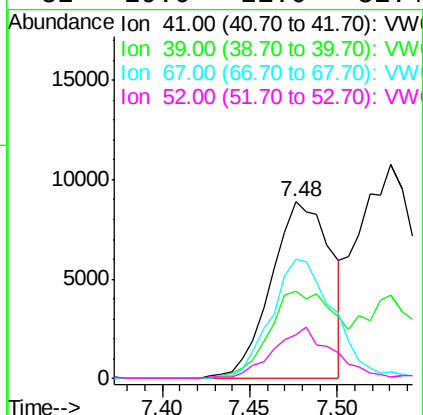
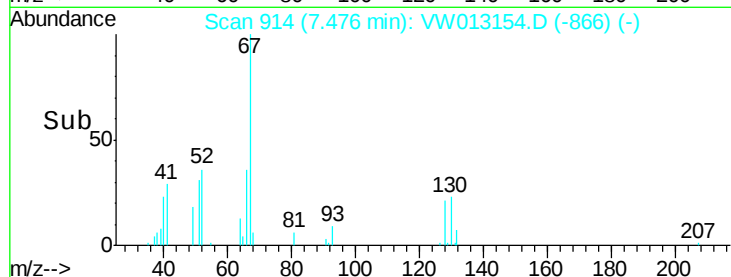
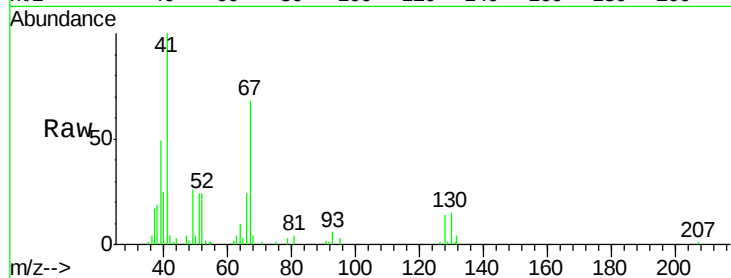
#41
Methacrylonitrile
Concen: 14.443 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	41	Resp	21228
Ion	Ratio	Lower	Upper
41	100		
39	56.1	48.2	72.4
67	70.8	47.5	71.3
52	29.0	21.0	31.4

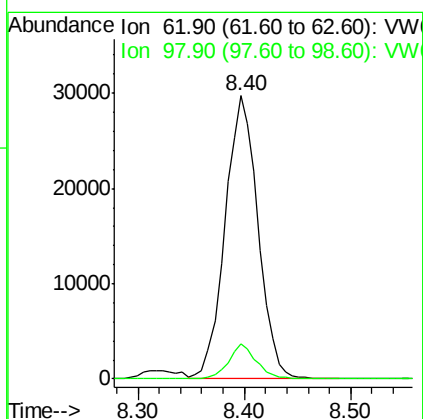
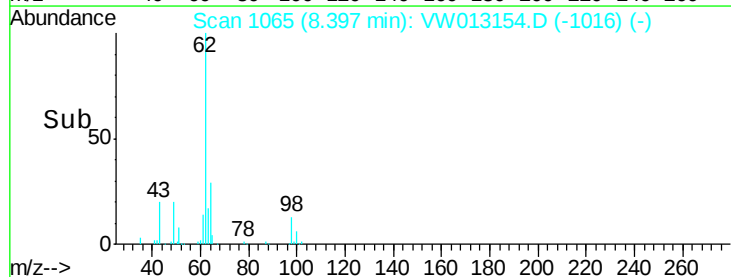
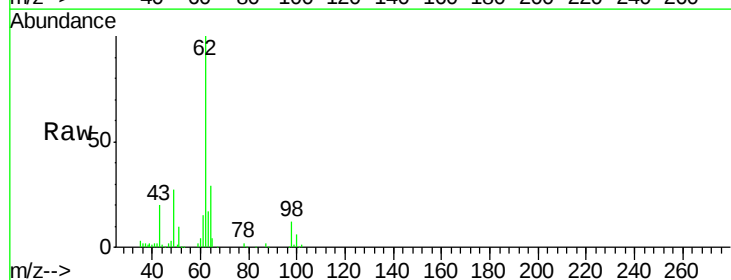
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 16.317 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	62	Resp	64208
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 15.276 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

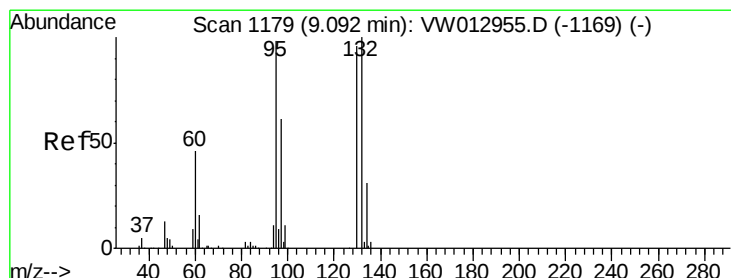
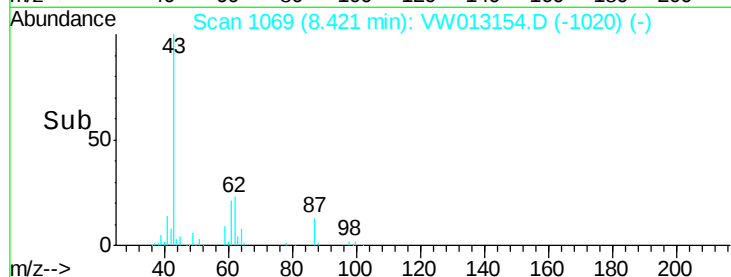
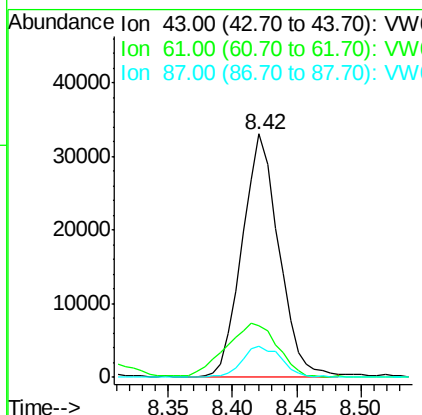
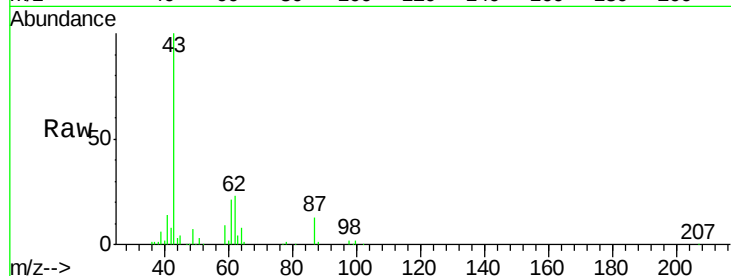
ClientSampleId :

VW0919SBS01

Tot Ion:	43	Resp:	65463
Ion	Ratio	Lower	Upper
43	100		
61	31.2	22.7	34.1
87	13.4	9.4	14.2

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#44

Trichloroethene

Concen: 20.536 ug/l

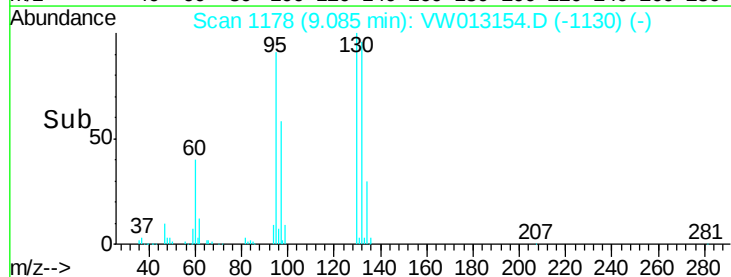
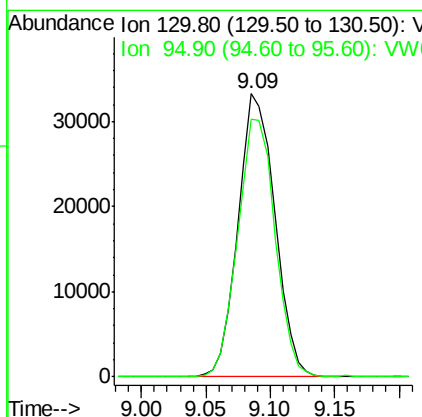
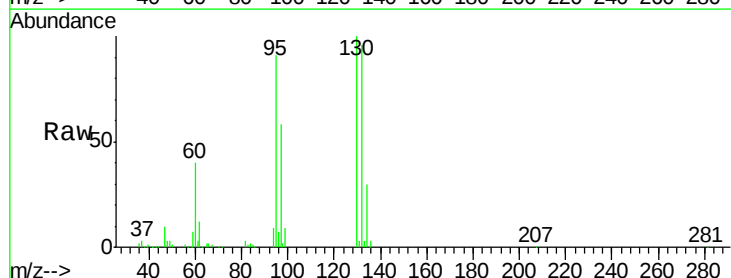
RT: 9.09 min Scan# 1178

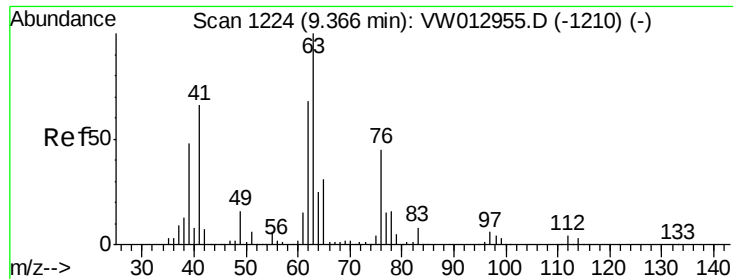
Delta R.T. -0.01 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Tgt Ion:	130	Resp:	66028
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	204.4





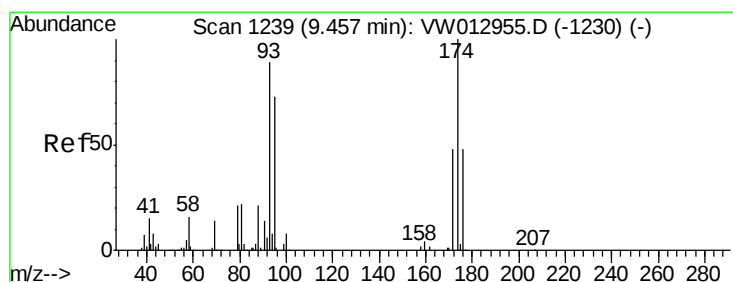
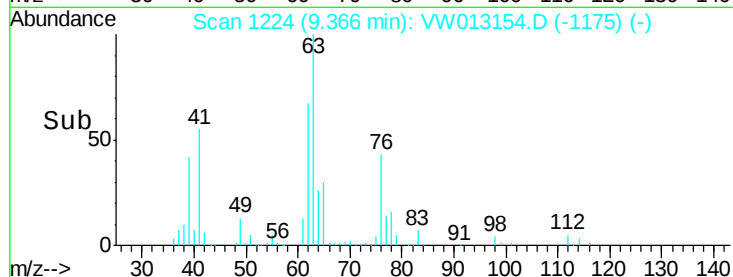
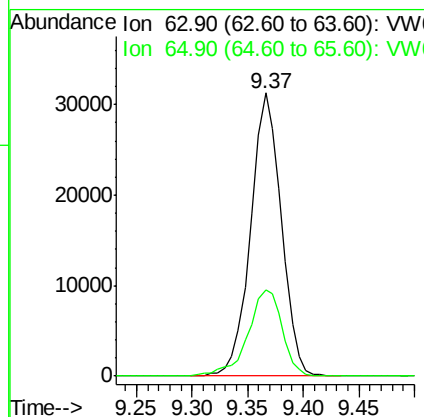
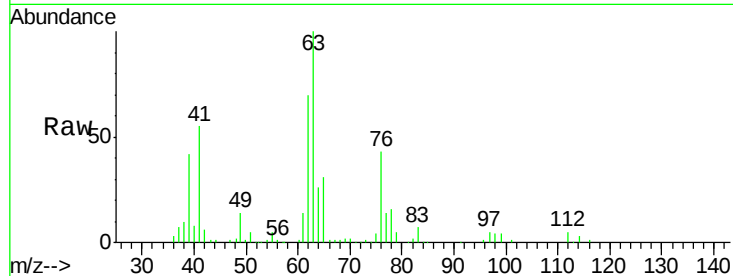
#45
 1,2-Dichloropropane
 Concen: 19.240 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Tot Ion: 63 Resp: 60003
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 37.0

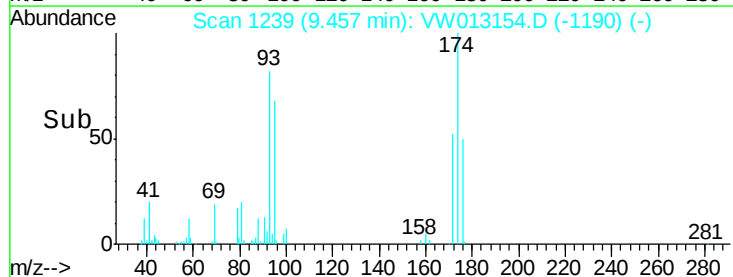
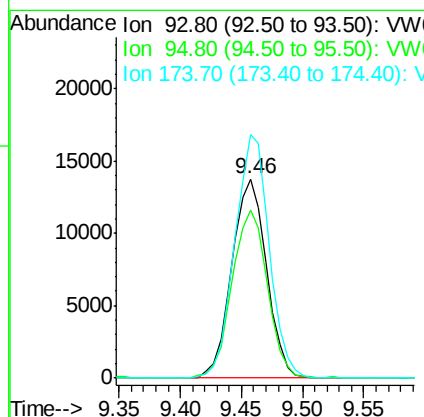
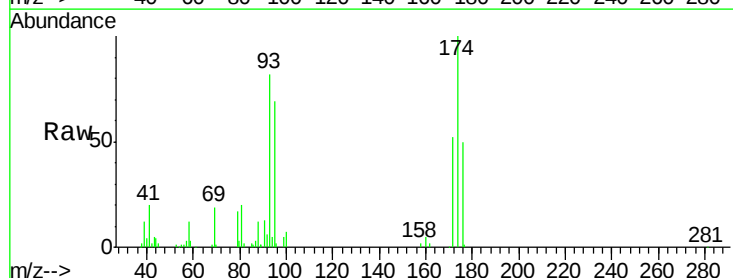
Manual Integrations
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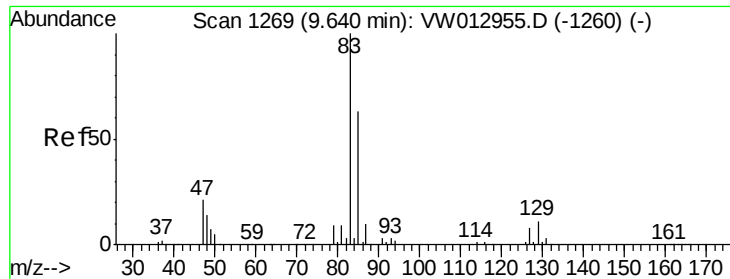
MMDadoda
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#46
 Dibromomethane
 Concen: 18.077 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Tgt Ion: 93 Resp: 27011
 Ion Ratio Lower Upper
 93 100
 95 86.0 67.0 100.4
 174 120.9 90.5 135.7





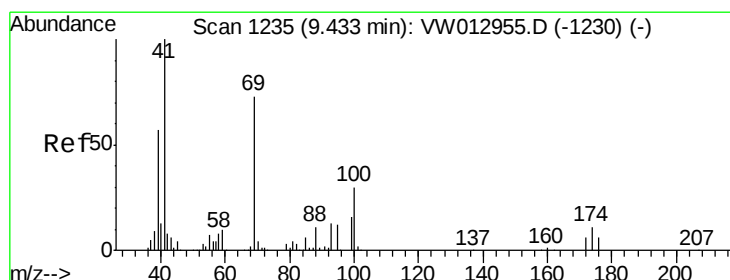
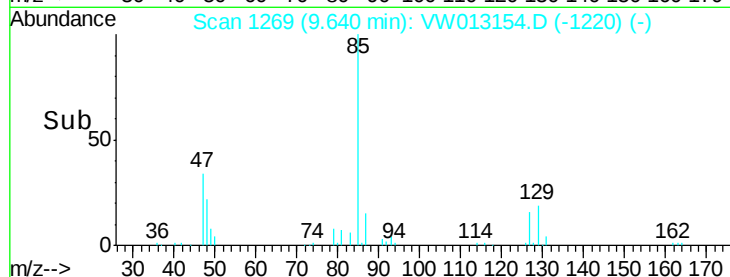
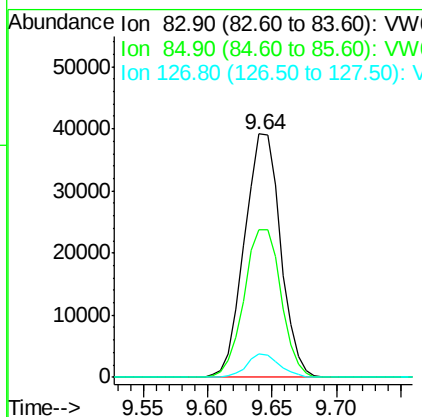
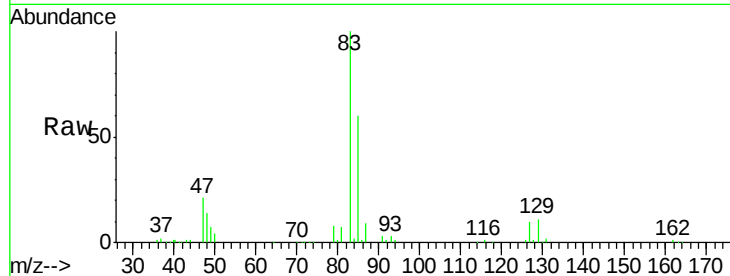
#47
Bromodichloromethane
Concen: 18.120 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	83	Resp	75944
Ion Ratio	100	Lower	Upper
83	100		
85	60.5	50.6	75.8
127	9.8	6.7	10.1

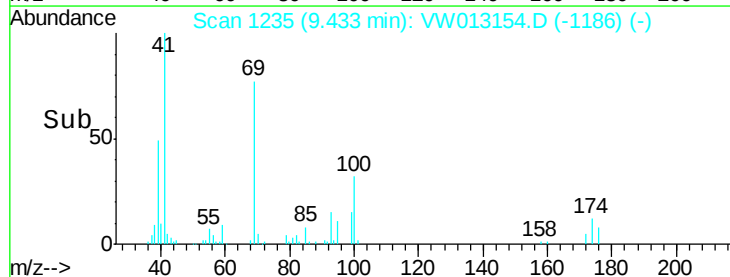
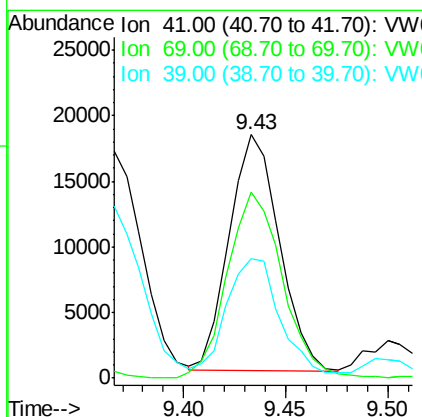
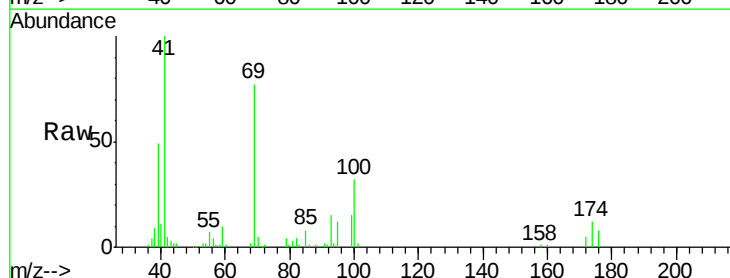
Manual Integrations
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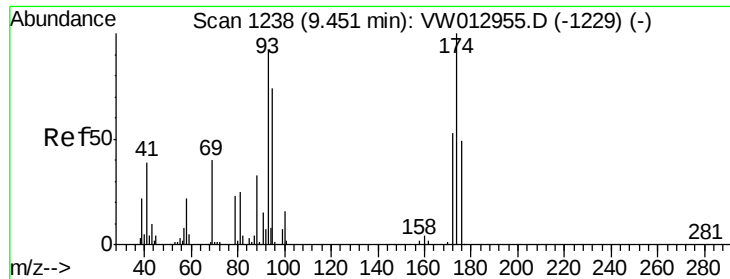
MMDadoda
9/23/2019 10:46:08 AM



#48
Methyl methacrylate
Concen: 15.223 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	41	Resp	30615
Ion Ratio	100	Lower	Upper
41	100		
69	87.1	62.8	94.2
39	55.9	48.5	72.7





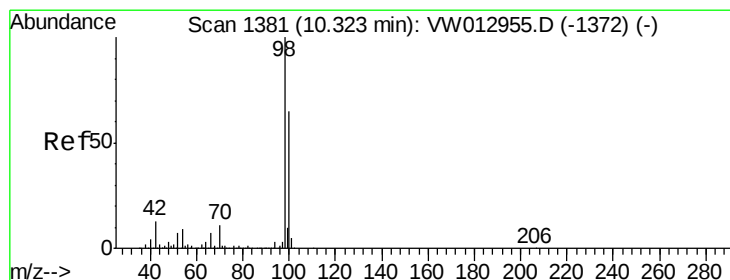
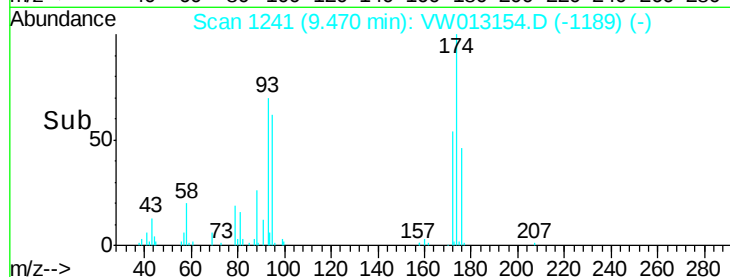
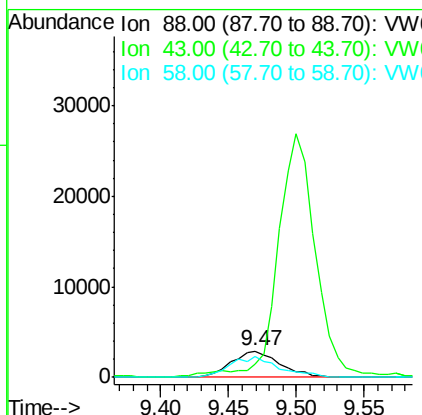
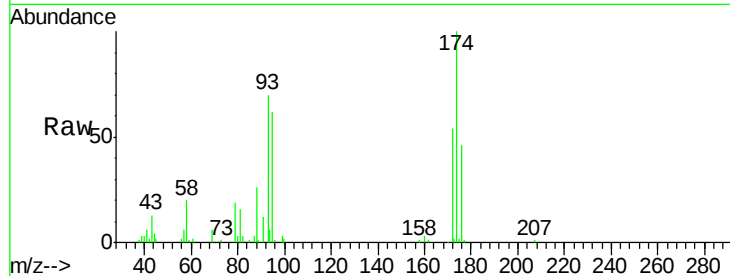
#49
1,4-Dioxane
Concen: 289.253 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	88	Resp	7242
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	82.0	60.2	90.2

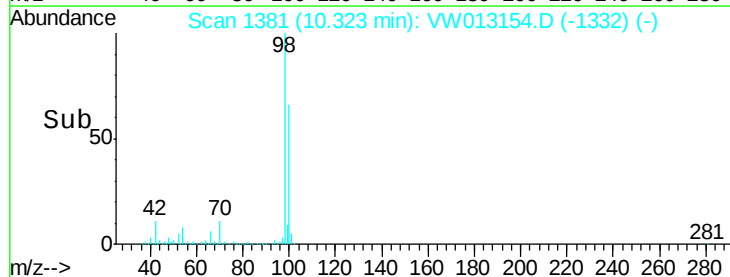
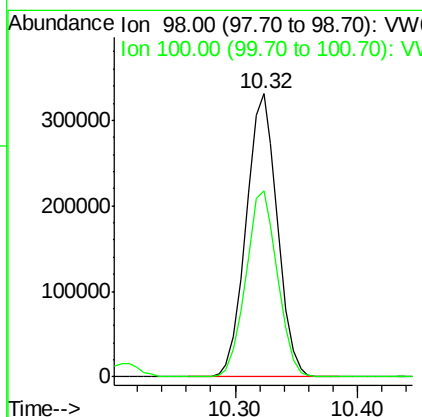
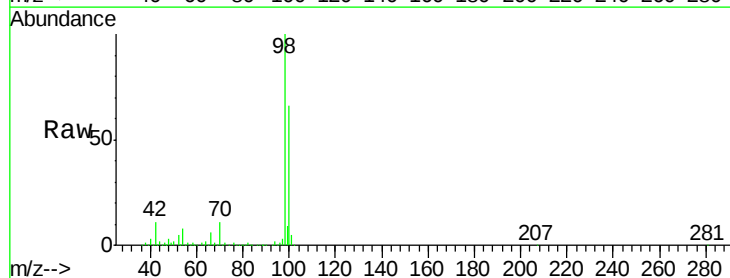
Manual Integrations
APPROVED

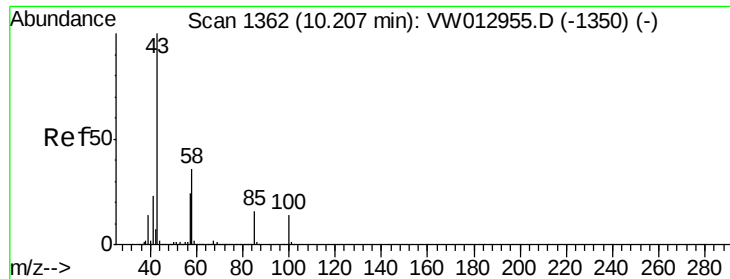
MMDadoda
9/23/2019 10:46:08 AM



#50
Toluene-d8
Concen: 52.392 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	98	Resp	585370
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 76.031 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampled :

VW0919SBS01

Tot Ion: 43 Resp: 168210

Ion Ratio Lower Upper

43 100

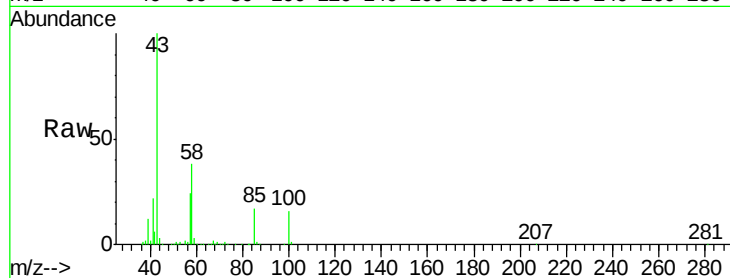
58 40.3 29.5 44.3

Manual Integrations

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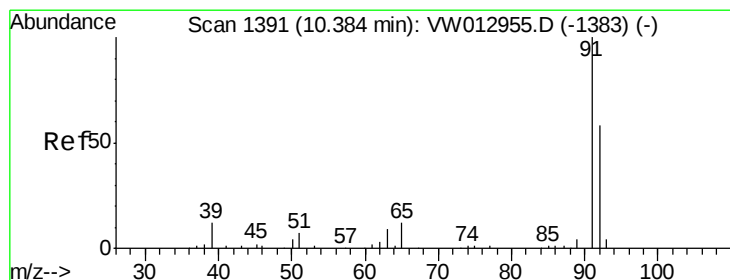
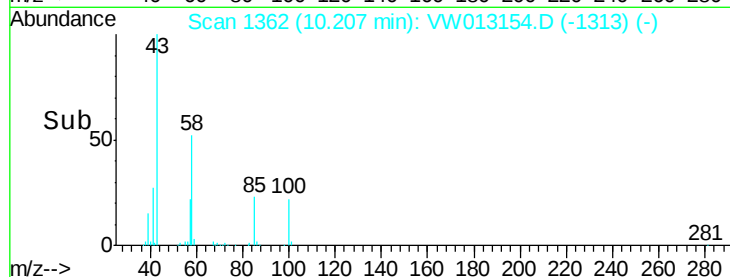
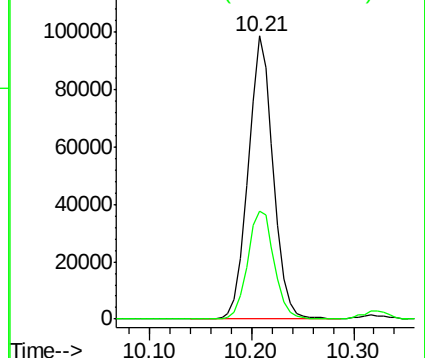
MMDadoda

9/23/2019 10:46:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.640 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013154.D

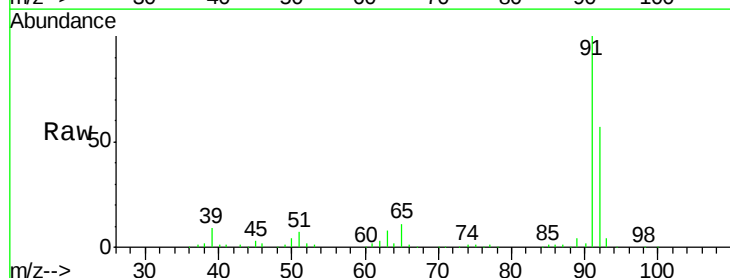
Acq: 19 Sep 2019 12:16

Tgt Ion: 92 Resp: 153952

Ion Ratio Lower Upper

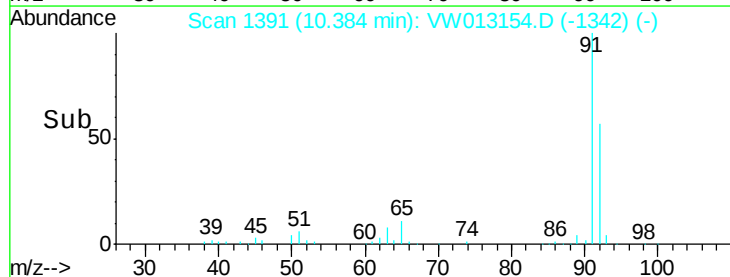
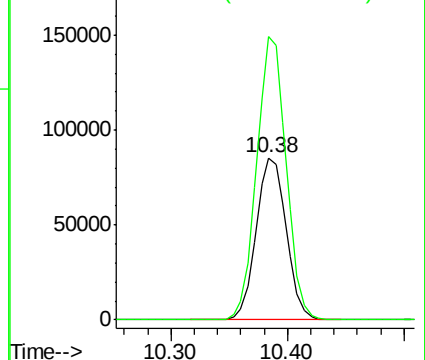
92 100

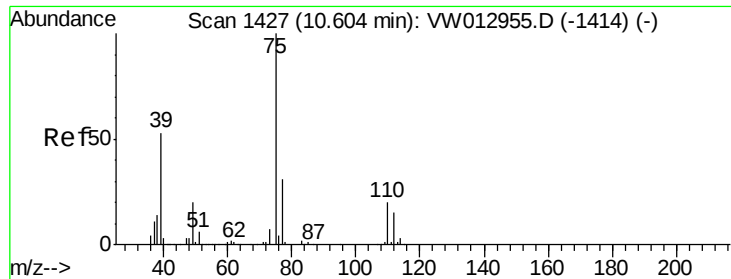
91 171.4 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





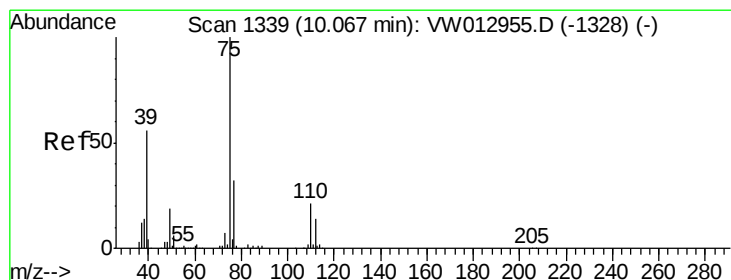
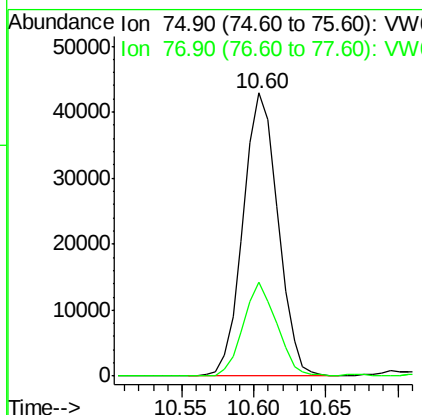
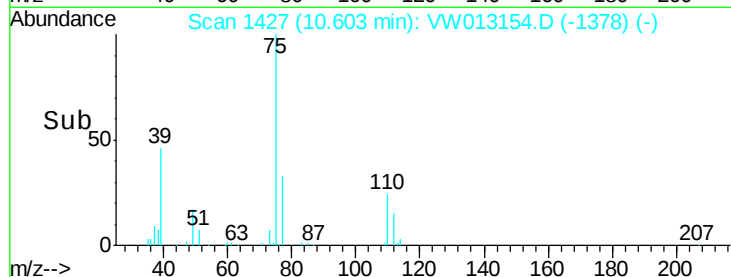
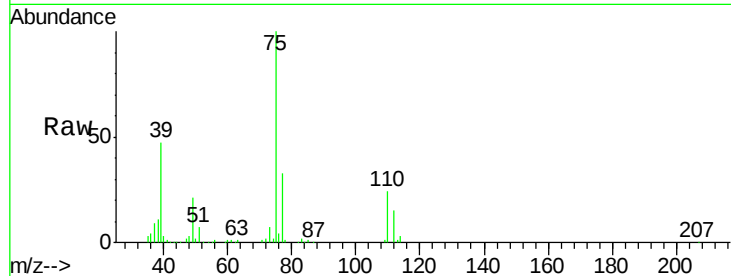
#53
t-1,3-Dichloropropene
Concen: 17.119 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion: 75 Resp: 72160
Ion Ratio Lower Upper
75 100
77 32.9 24.6 37.0

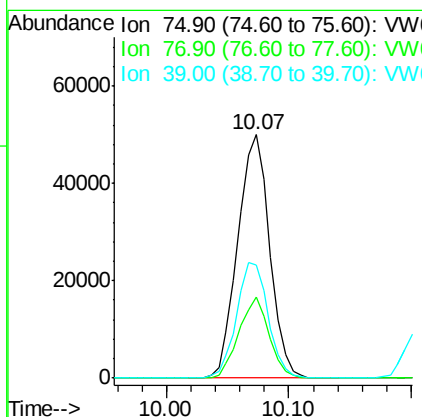
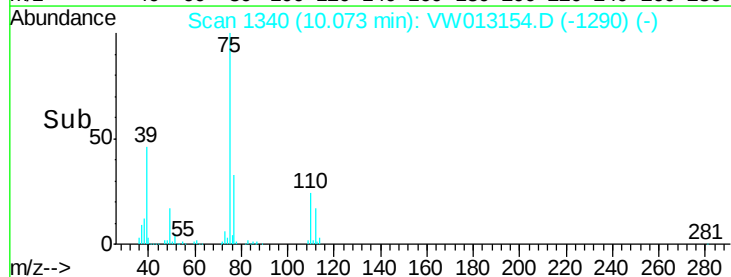
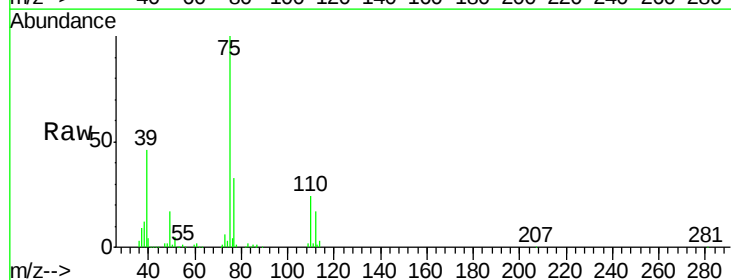
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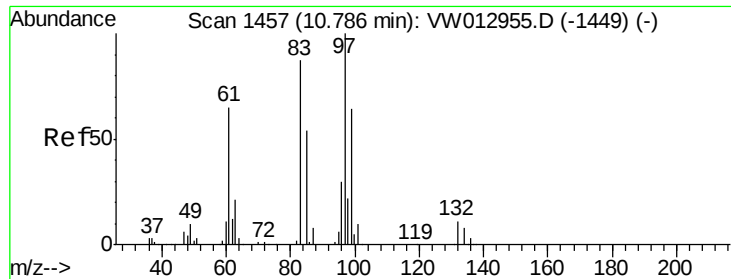
MMDadoda
9/23/2019 10:46:08 AM



#54
cis-1,3-Dichloropropene
Concen: 18.746 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion: 75 Resp: 90409
Ion Ratio Lower Upper
75 100
77 33.1 25.5 38.3
39 46.3 45.0 67.6





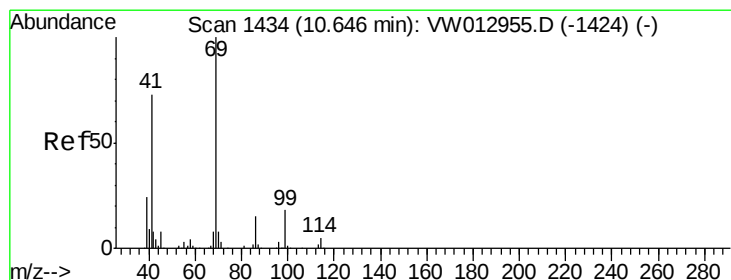
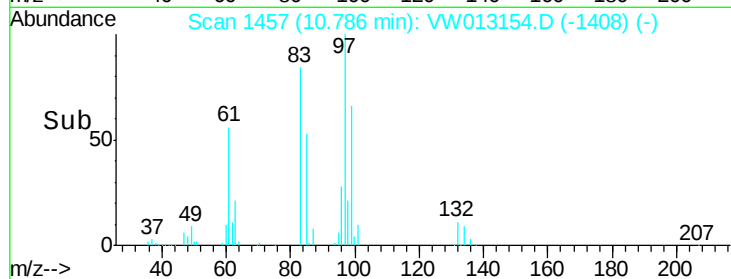
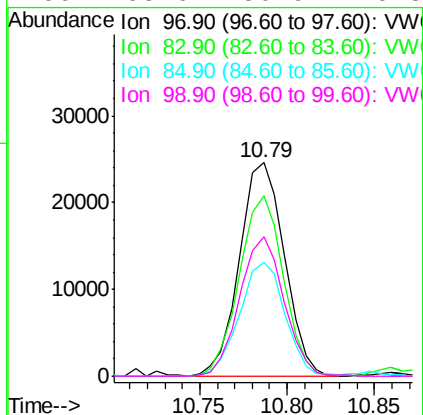
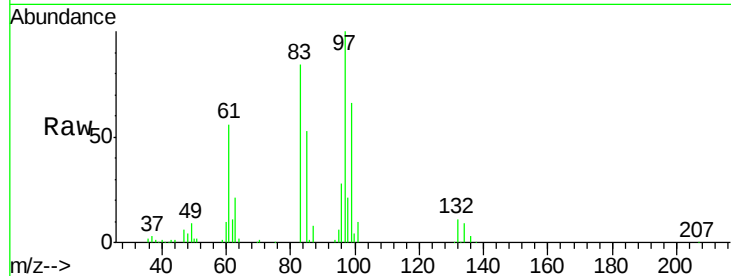
#55
 1,1,2-Trichloroethane
 Concen: 19.386 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Tot Ion:	97	Resp:	44126
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.4	104.0
85	53.1	43.3	64.9
99	65.6	50.9	76.3

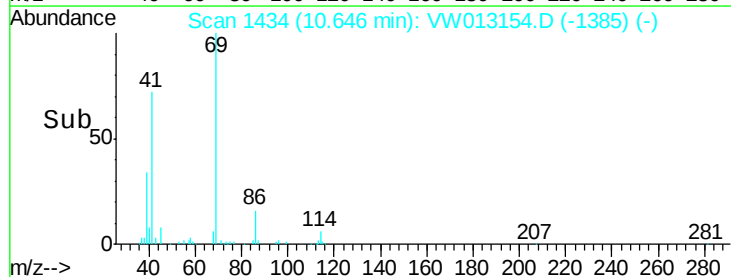
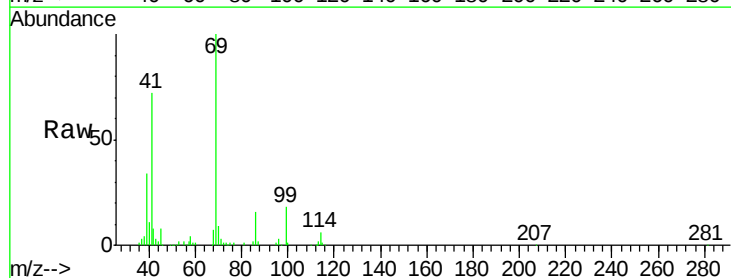
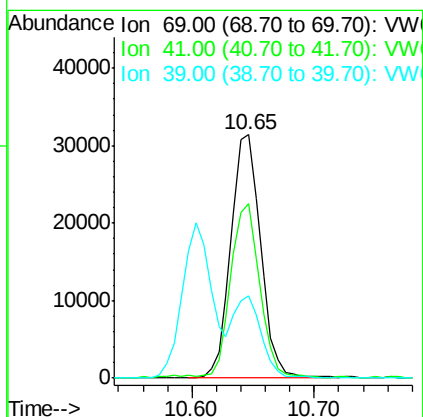
Manual Integrations
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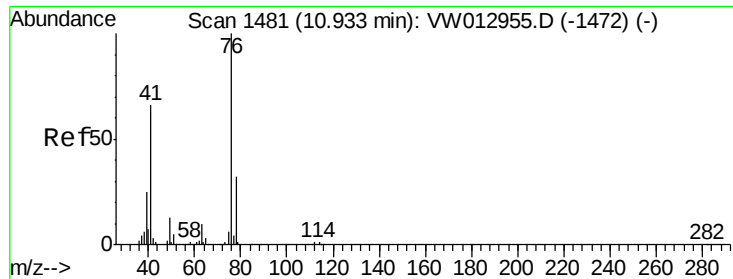
MMDadoda
 9/23/2019 10:46:08 AM



#56
 Ethyl methacrylate
 Concen: 17.283 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Tgt Ion:	69	Resp:	52953
Ion	Ratio	Lower	Upper
69	100		
41	69.0	60.8	91.2
39	31.4	29.4	44.0





#57

1,3-Dichloropropane

Concen: 18.693 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 76 Resp: 75478

Ion Ratio Lower Upper

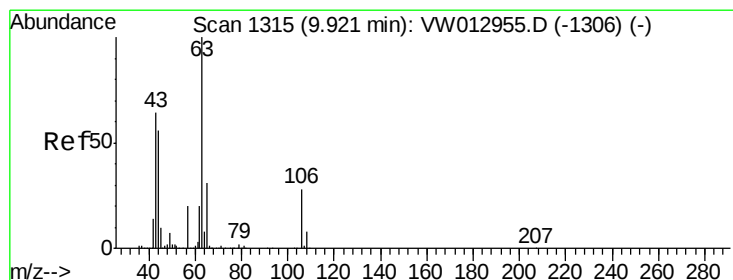
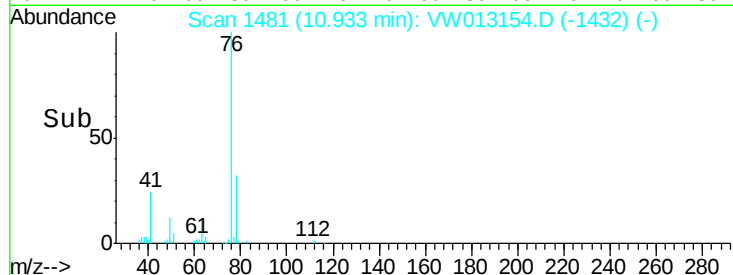
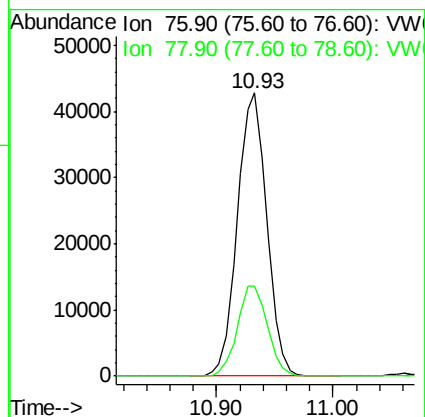
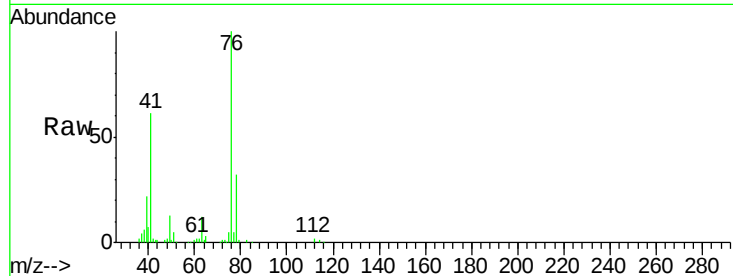
76 100

78 32.7 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

9/23/2019 10:46:08 AM



#58

2-Chloroethyl Vinyl ether

Concen: 89.832 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013154.D

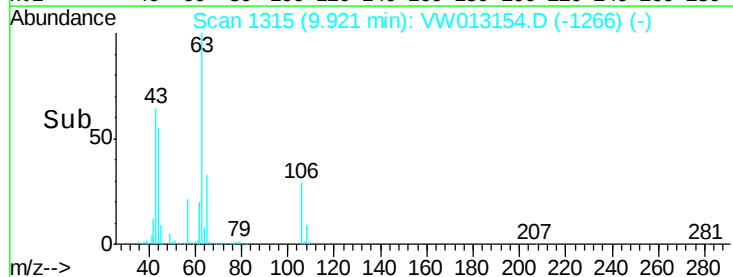
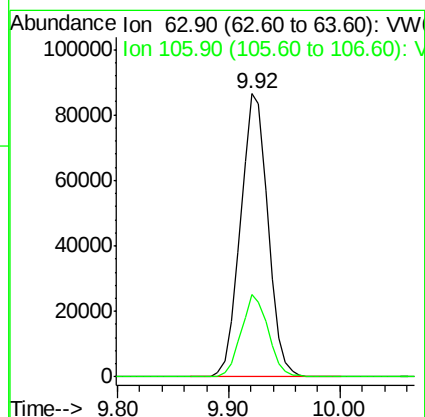
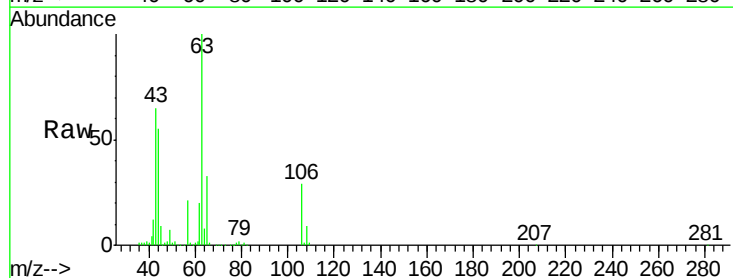
Acq: 19 Sep 2019 12:16

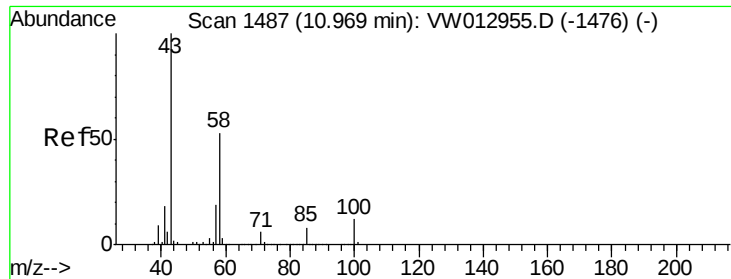
Tgt Ion: 63 Resp: 147643

Ion Ratio Lower Upper

63 100

106 28.8 22.2 33.2





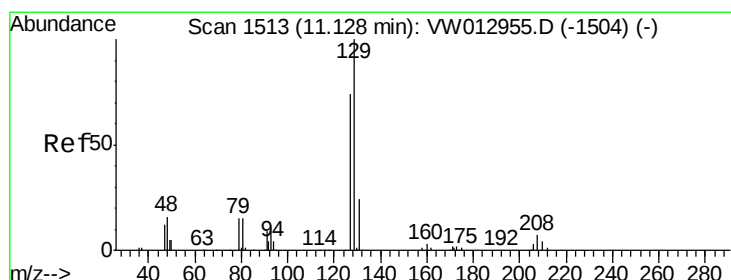
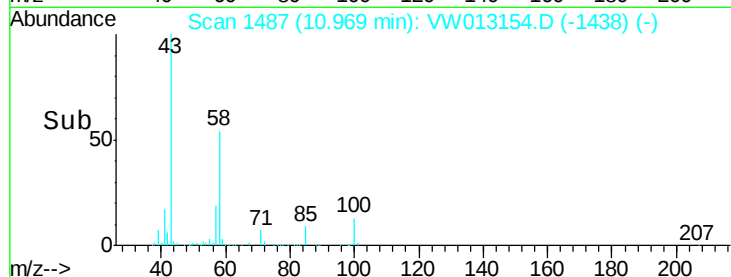
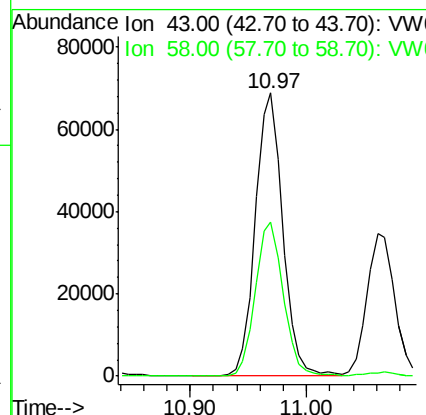
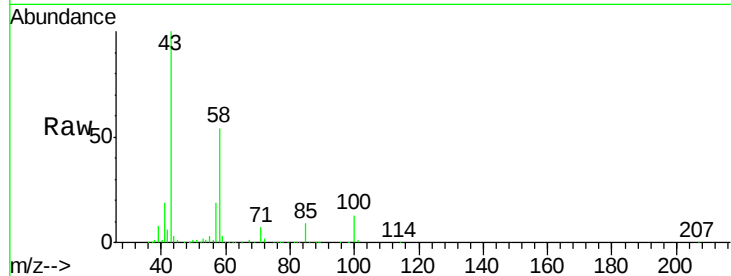
#59
2-Hexanone
Concen: 73.674 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion: 43 Resp: 113496
Ion Ratio Lower Upper
43 100
58 55.2 25.8 77.3

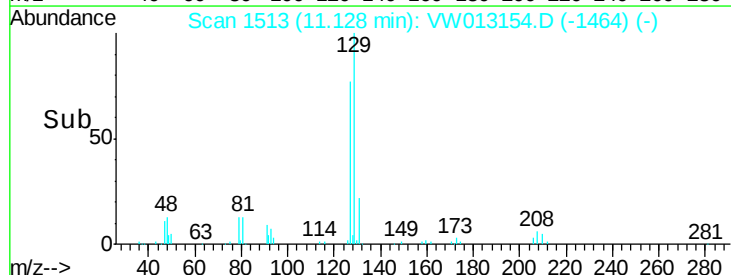
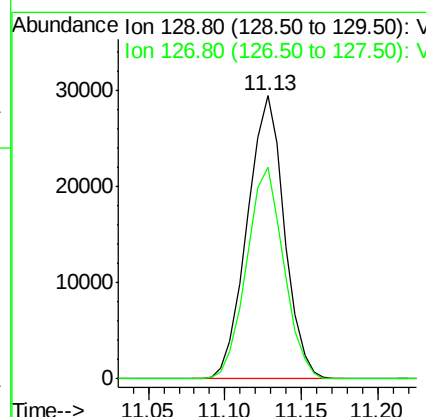
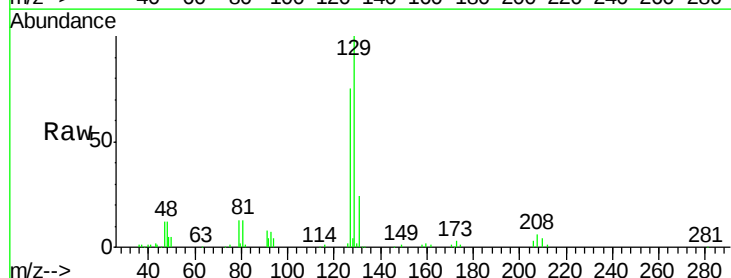
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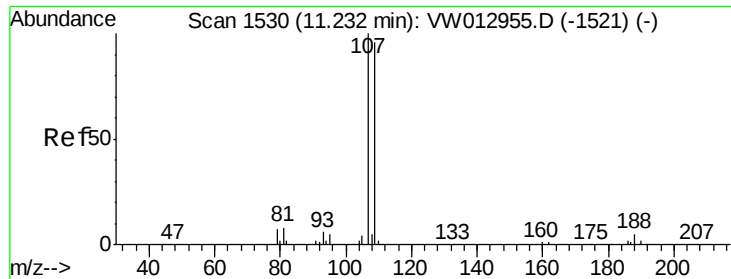
MMDadoda
9/23/2019 10:46:08 AM



#60
Dibromochloromethane
Concen: 18.068 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion: 129 Resp: 49723
Ion Ratio Lower Upper
129 100
127 74.8 37.4 112.2





#61

1,2-Dibromoethane

Concen: 18.165 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 107 Resp: 37718

Ion Ratio Lower Upper

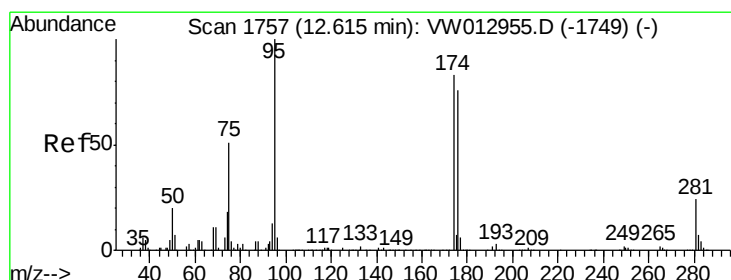
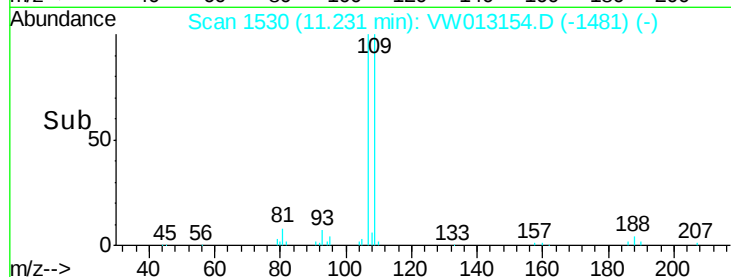
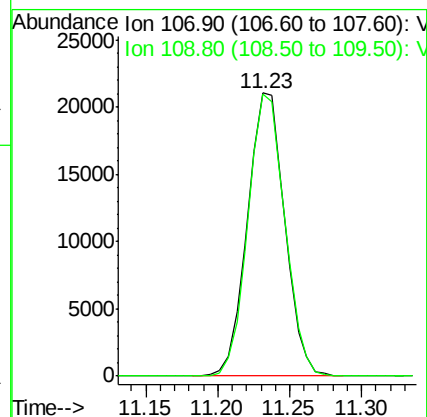
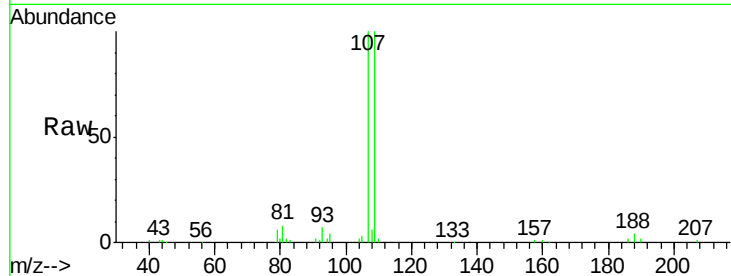
107 100

109 98.1 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 49.591 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

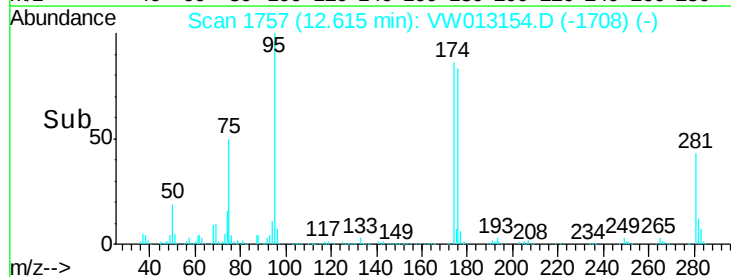
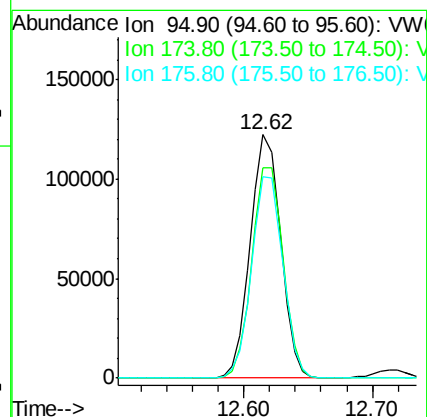
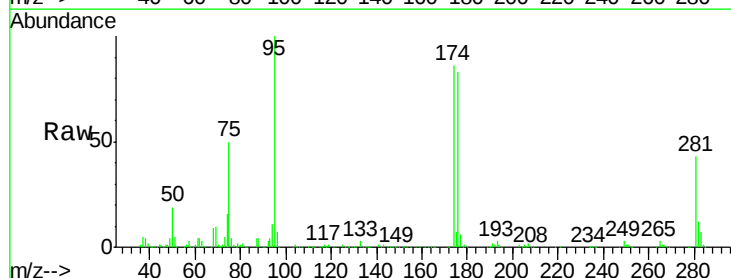
Tgt Ion: 95 Resp: 199234

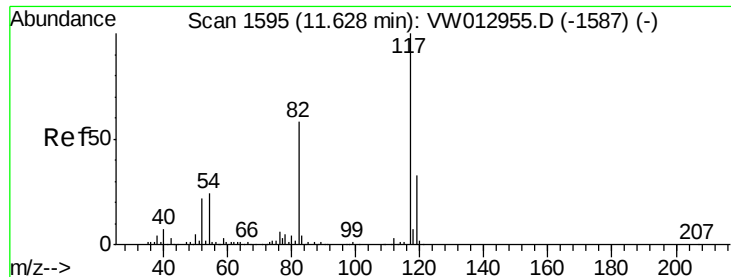
Ion Ratio Lower Upper

95 100

174 89.0 0.0 170.4

176 85.0 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

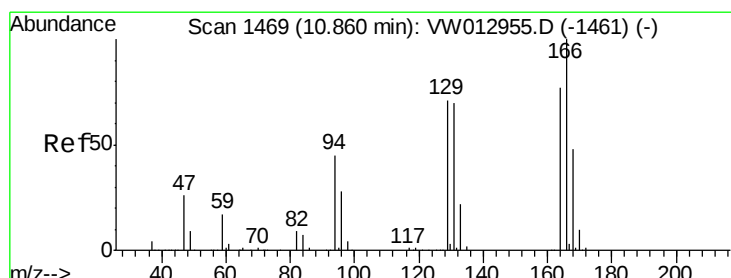
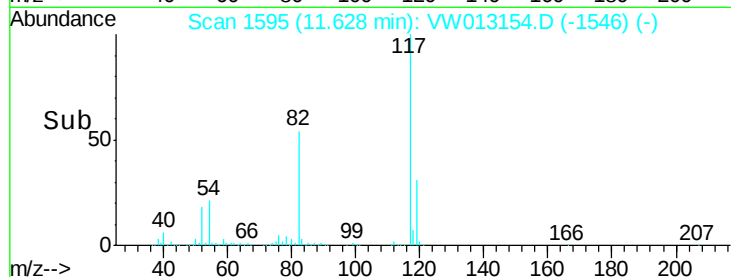
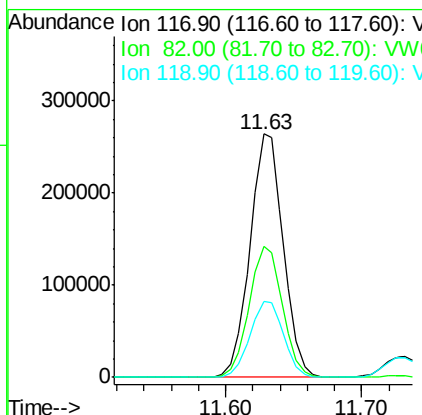
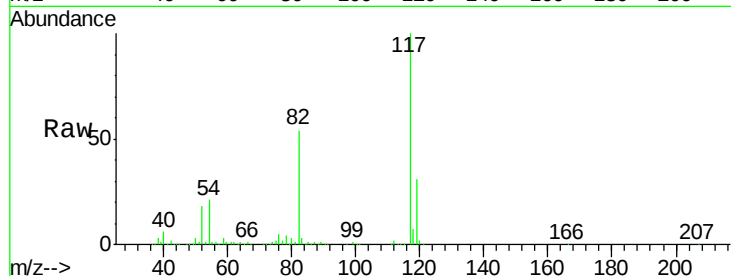
ClientSampleId :

VW0919SBS01

Tot Ion:	117	Resp:	451979
Ion Ratio		Lower	Upper
117	100		
82	53.7	46.3	69.5
119	31.3	26.2	39.4

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#64

Tetrachloroethene

Concen: 20.497 ug/l

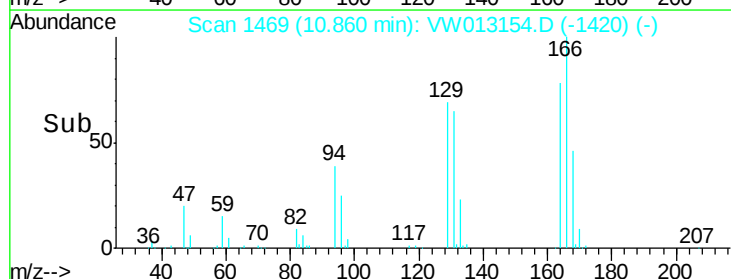
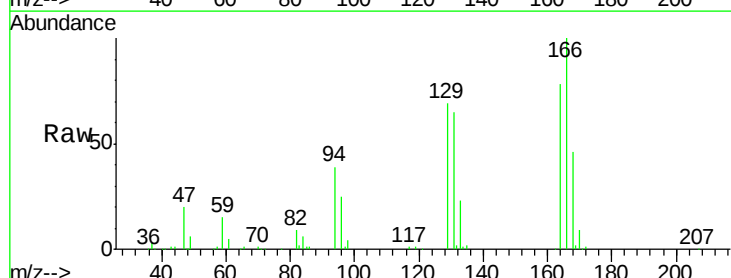
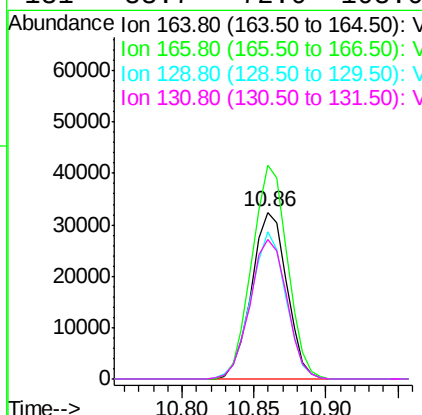
RT: 10.86 min Scan# 1469

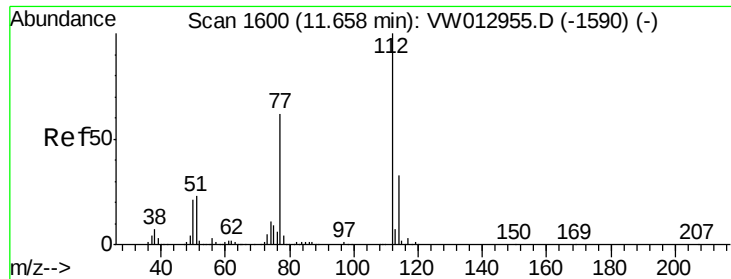
Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Tgt Ion:	164	Resp:	55113
Ion Ratio		Lower	Upper
164	100		
166	128.0	103.3	154.9
129	88.2	73.8	110.8
131	83.7	72.0	108.0





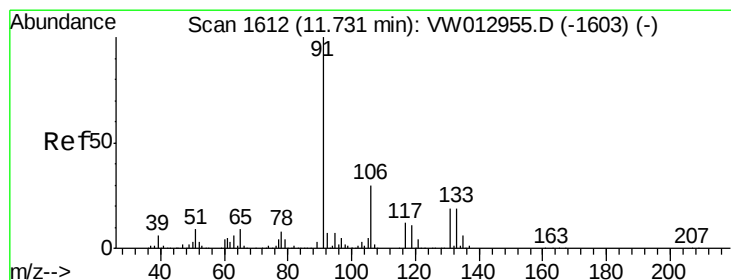
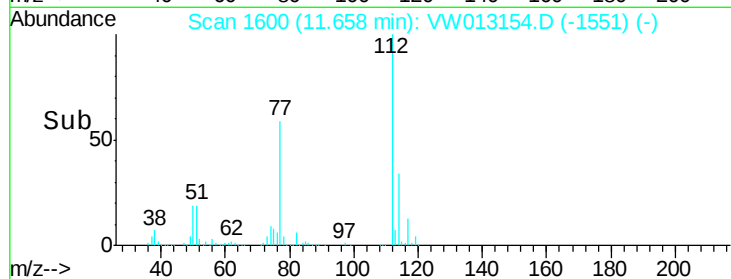
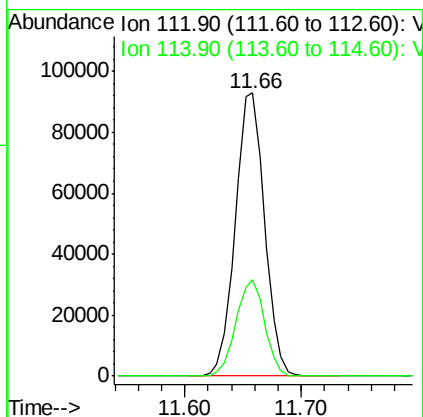
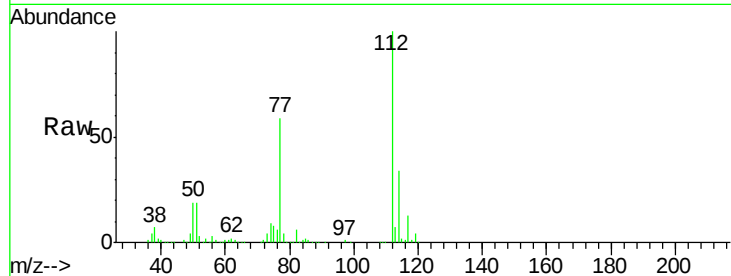
#65
Chlorobenzene
Concen: 20.200 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion:112 Resp: 162626
Ion Ratio Lower Upper
112 100
114 34.0 26.4 39.6

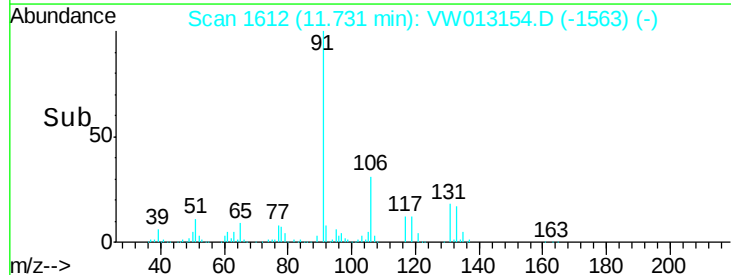
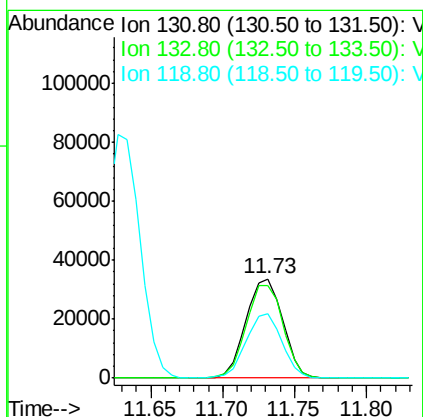
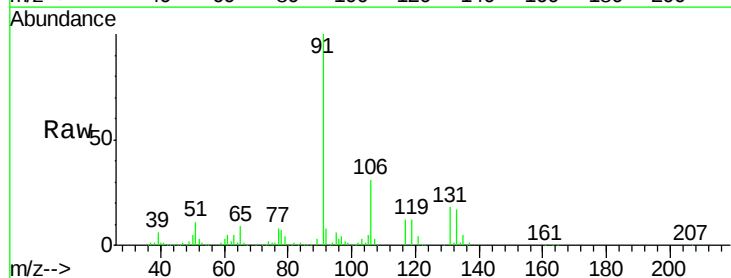
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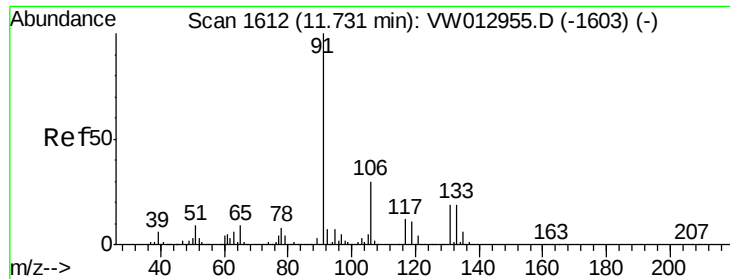
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.238 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion:131 Resp: 59353
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.8
119 63.9 30.9 92.7





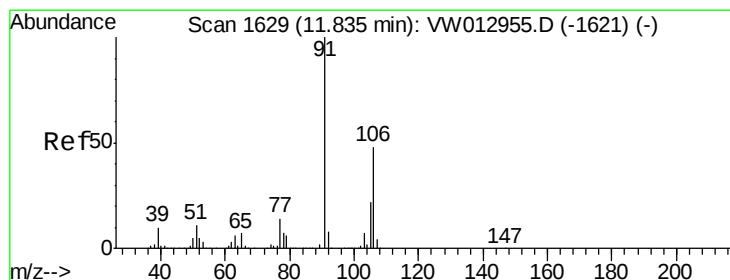
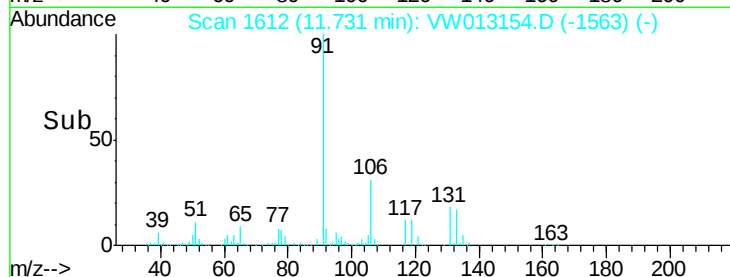
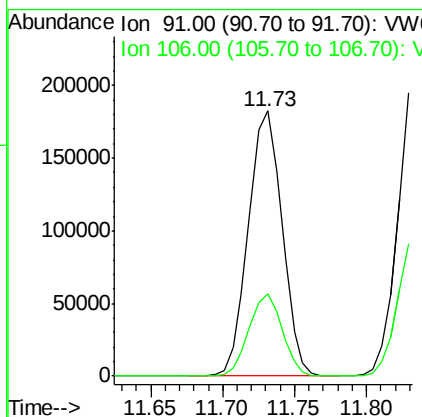
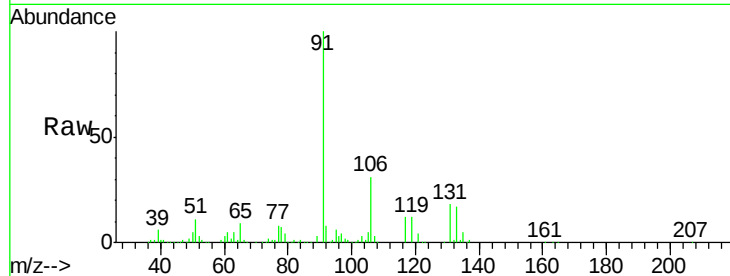
#67
Ethyl Benzene
Concen: 19.932 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.3	36.5

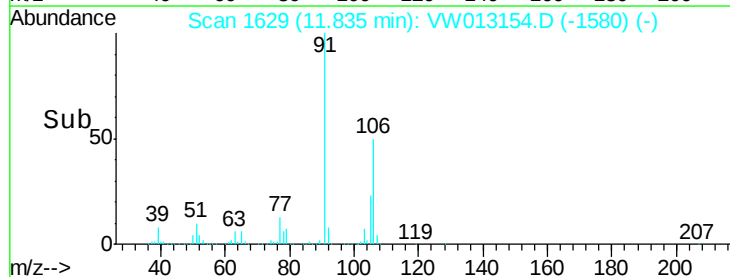
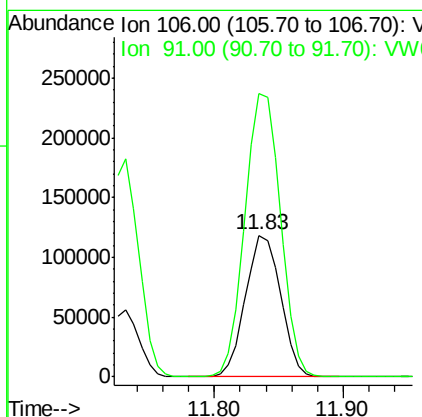
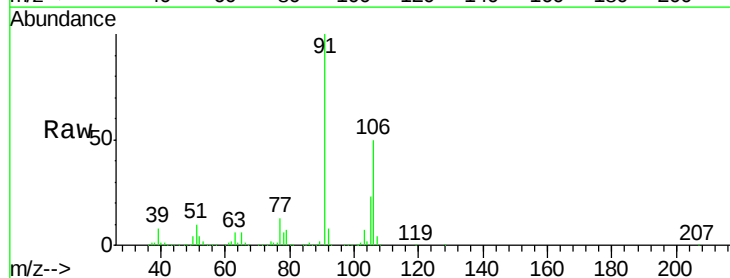
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#68
m/p-Xylenes
Concen: 41.177 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.5	165.8	248.8





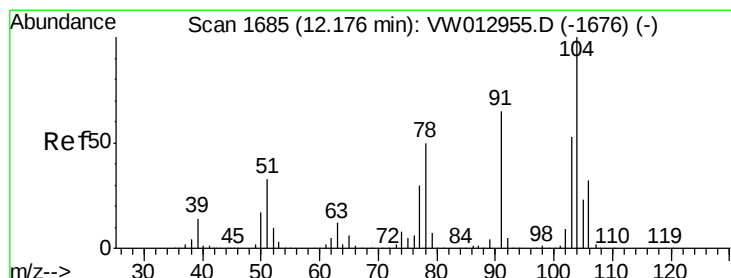
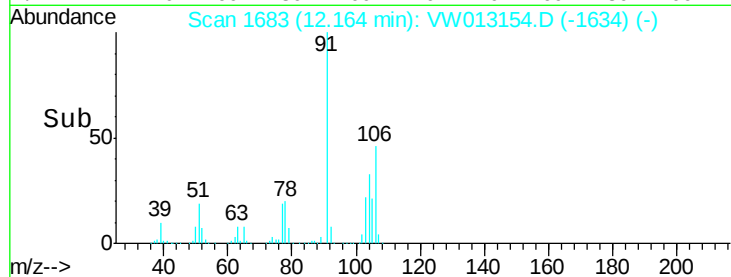
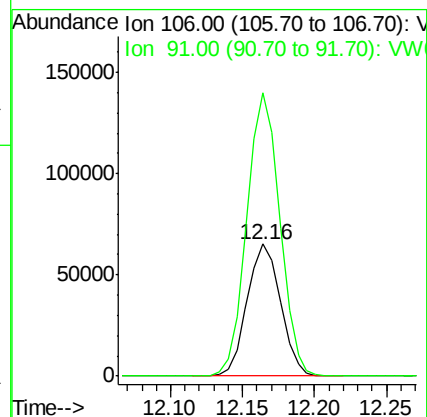
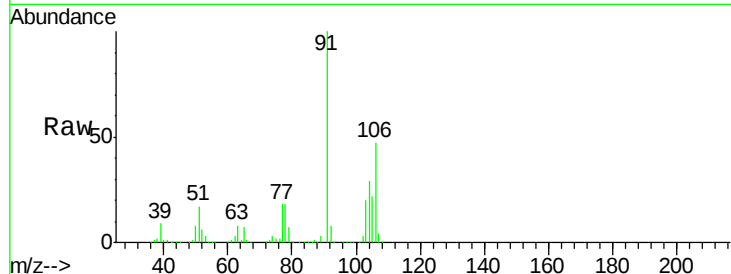
#69
o-Xylene
Concen: 20.540 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion:106 Resp: 104597
Ion Ratio Lower Upper
106 100
91 211.8 109.7 329.0

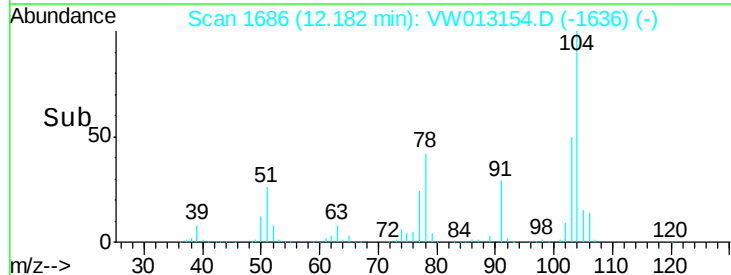
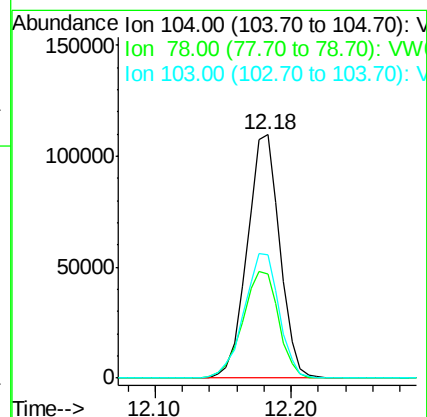
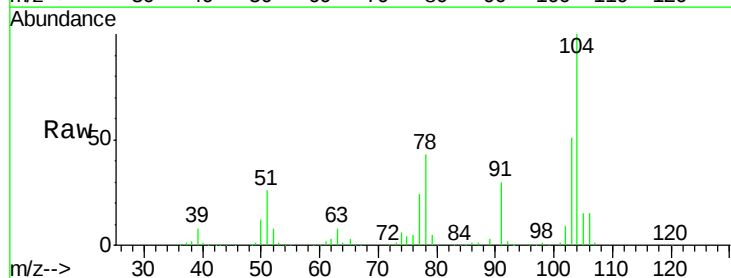
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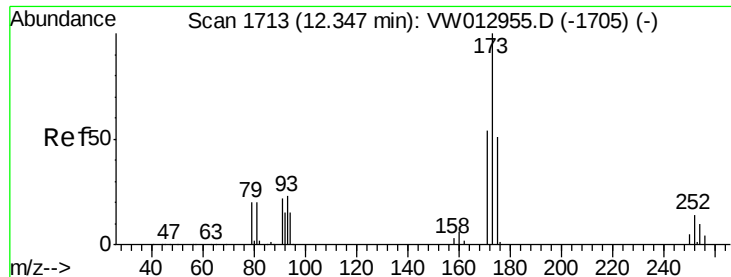
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#70
Styrene
Concen: 20.338 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion:104 Resp: 184242
Ion Ratio Lower Upper
104 100
78 48.2 42.1 63.1
103 54.8 44.2 66.4





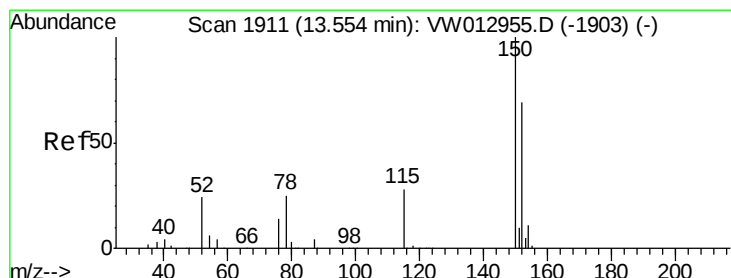
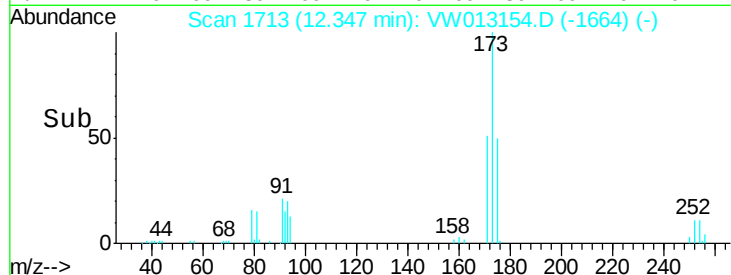
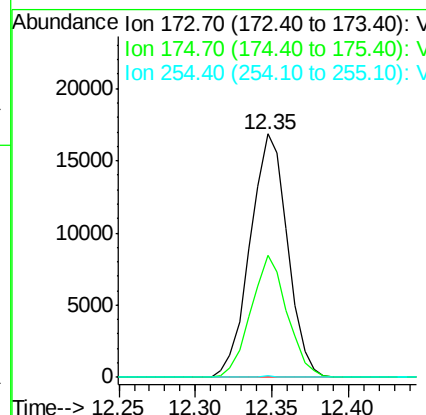
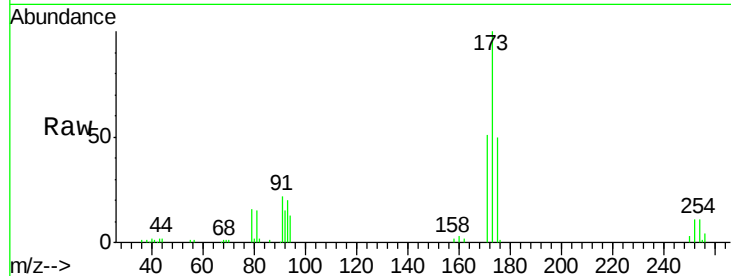
#71
Bromoform
Concen: 17.669 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.1	0.1	0.1

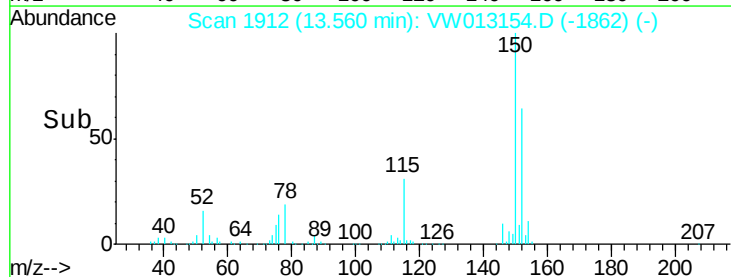
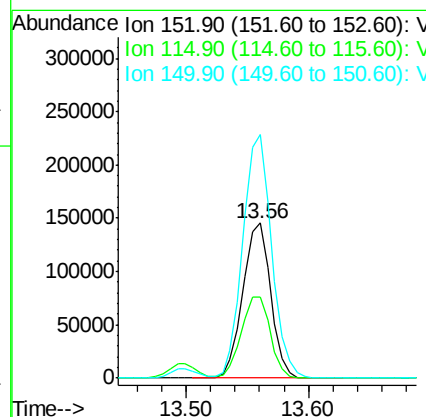
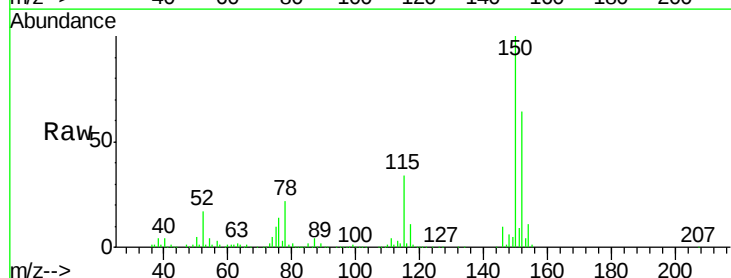
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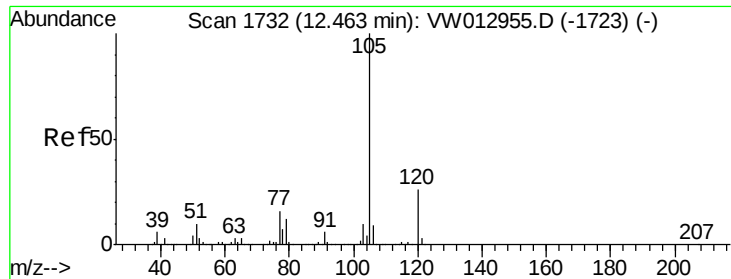
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.8	86.4
150	162.7	0.0	340.2





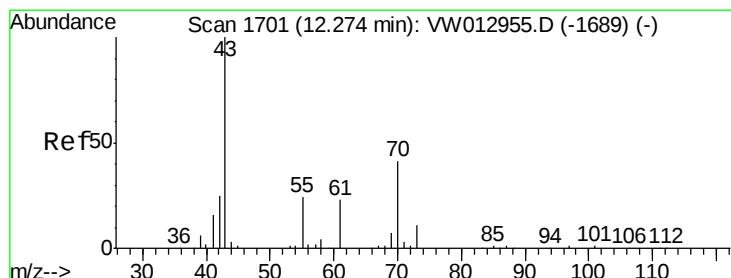
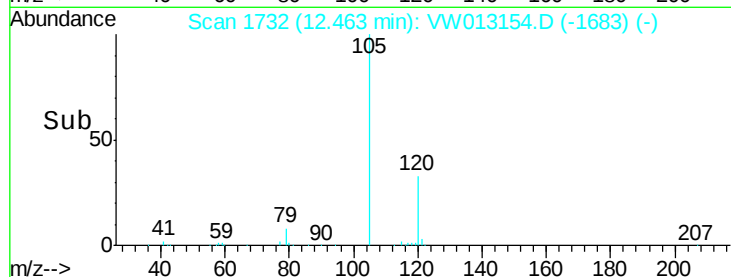
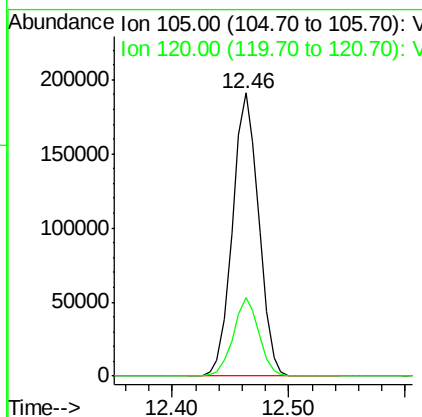
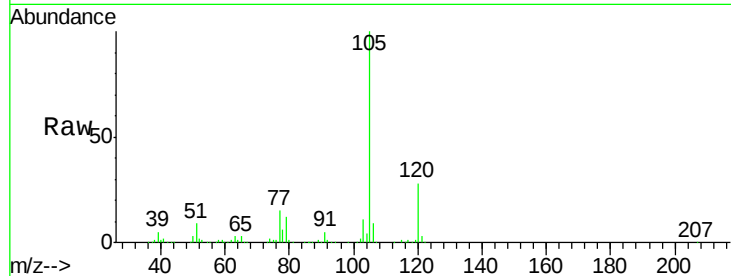
#73
Isopropylbenzene
Concen: 19.703 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.0	39.0

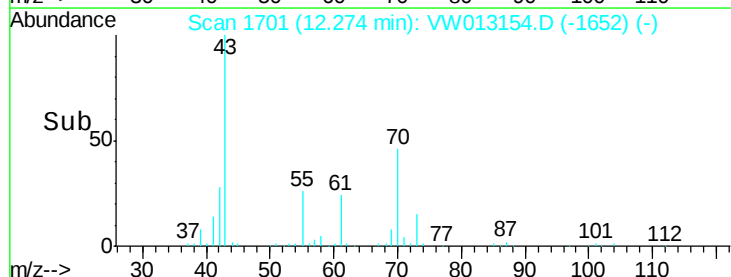
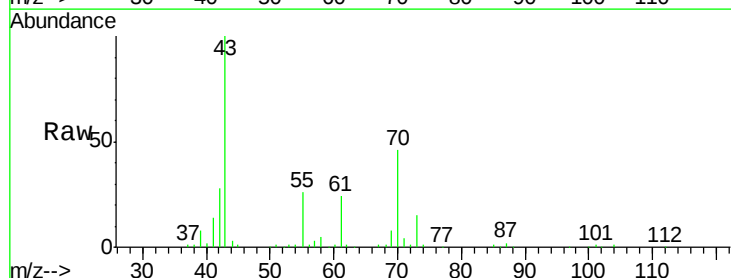
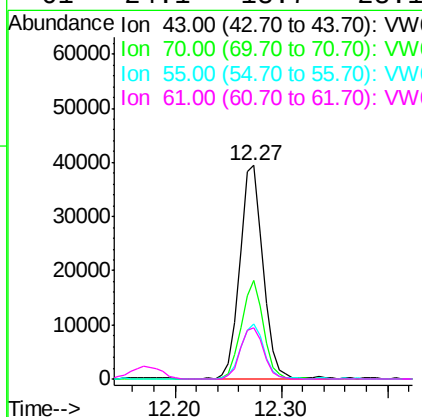
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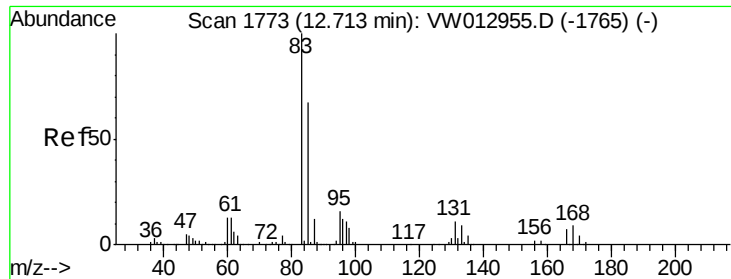
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#74
N-ethyl acetate
Concen: 15.597 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	31.7	47.5
55	25.7	19.4	29.2
61	24.1	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.021 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

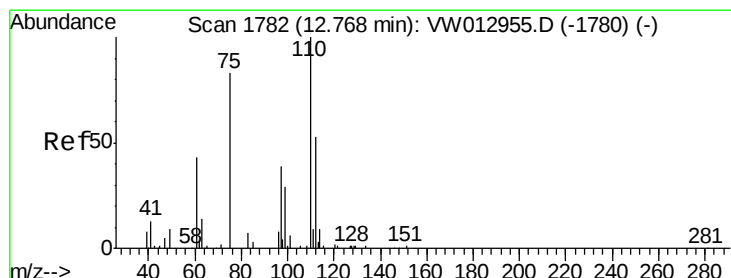
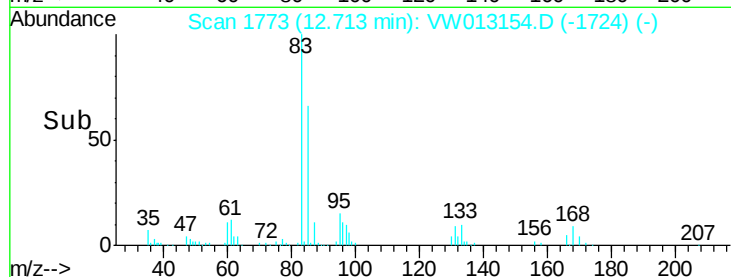
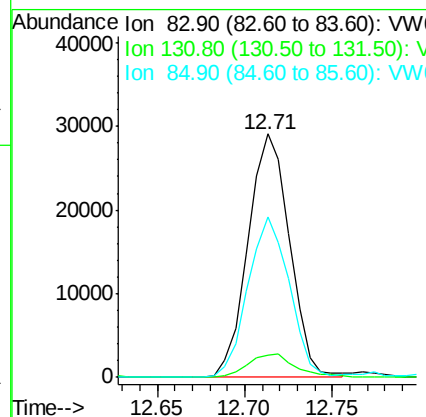
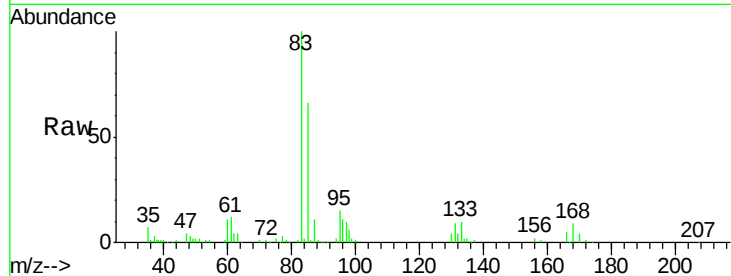
ClientSampleId :

VW0919SBS01

Tot Ion:	83	Resp:	48080
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.1
85	65.8	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 18.040 ug/l m

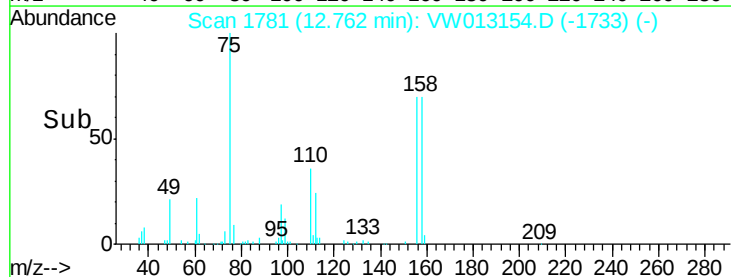
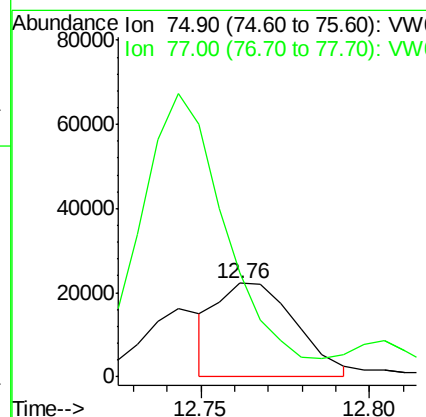
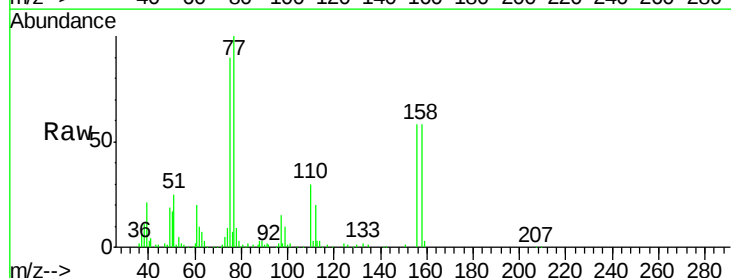
RT: 12.76 min Scan# 1781

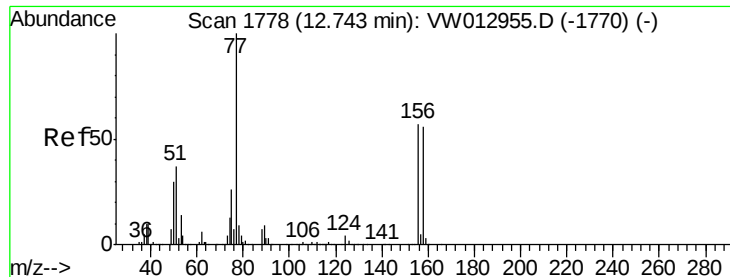
Delta R.T. -0.01 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Tgt Ion:	75	Resp:	36215
Ion	Ratio	Lower	Upper
75	100		
77	338.3	0.0	0.0#





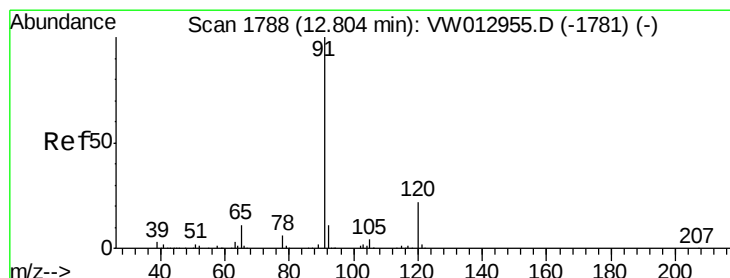
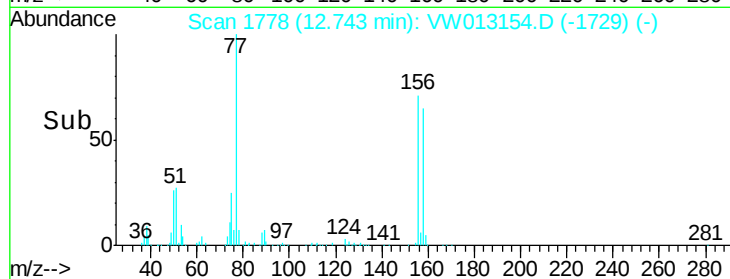
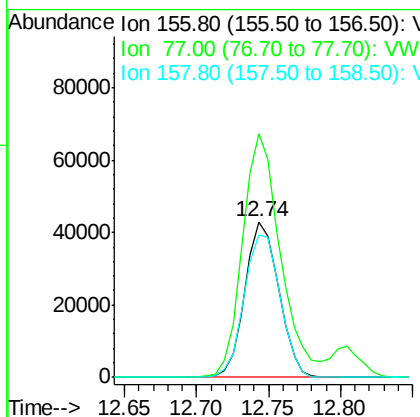
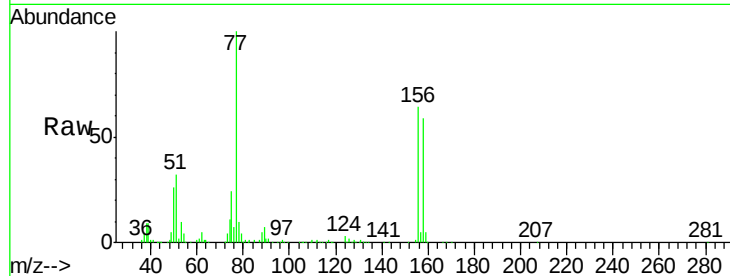
#77
Bromobenzene
Concen: 19.937 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.6	95.2	285.6
158	97.6	49.0	147.2

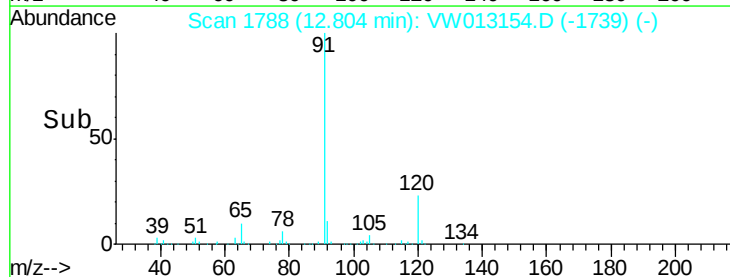
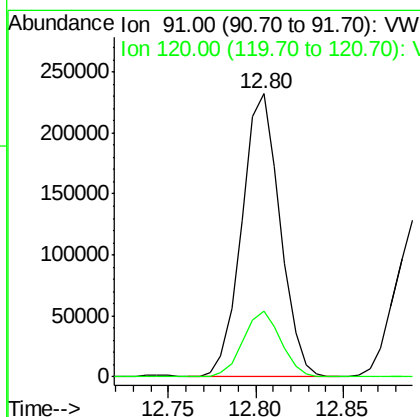
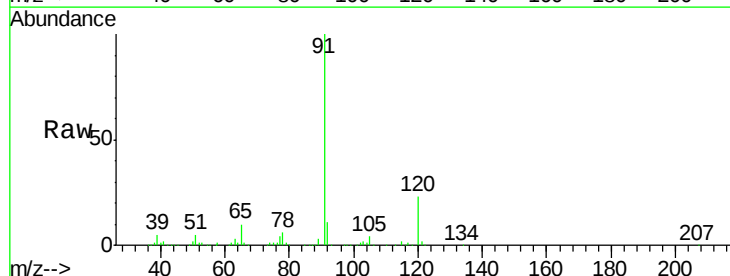
Manual Integrations
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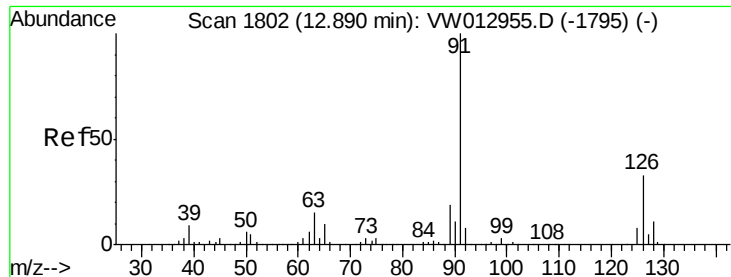
MMDadoda
9/23/2019 10:46:08 AM



#78
n-propylbenzene
Concen: 19.708 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.403 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion: 91 Resp: 199308

Ion Ratio Lower Upper

91 100

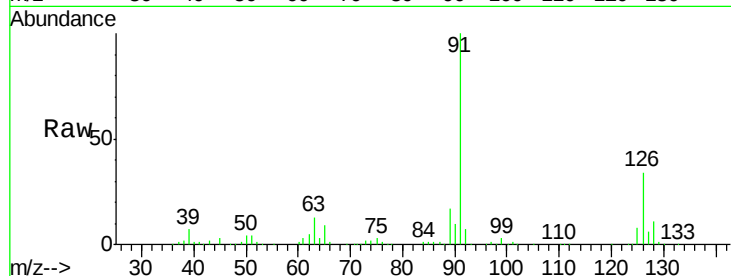
126 34.7 16.5 49.5

Manual Integrations

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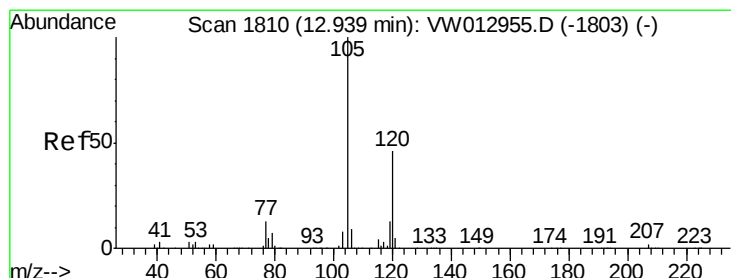
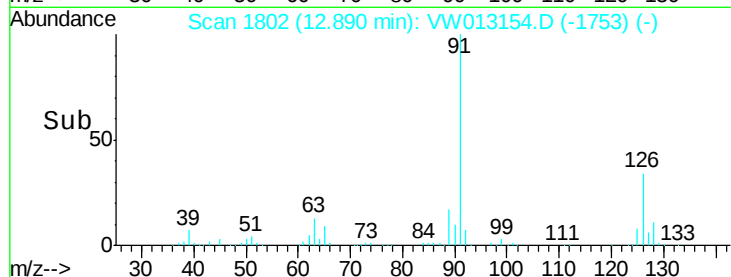
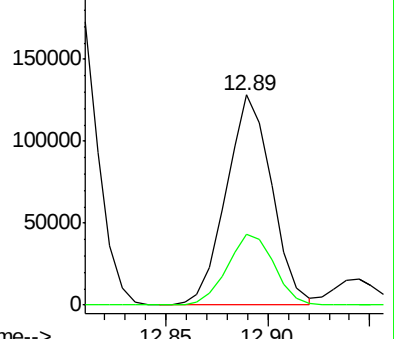
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.552 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013154.D

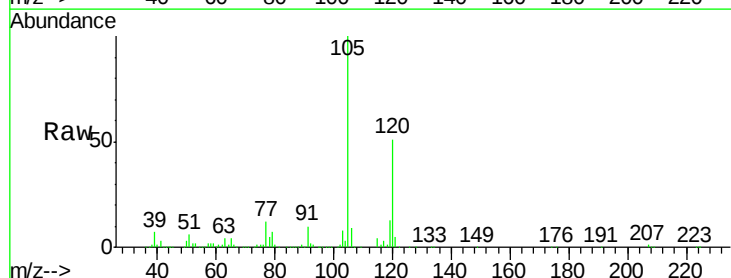
Acq: 19 Sep 2019 12:16

Tgt Ion:105 Resp: 251269

Ion Ratio Lower Upper

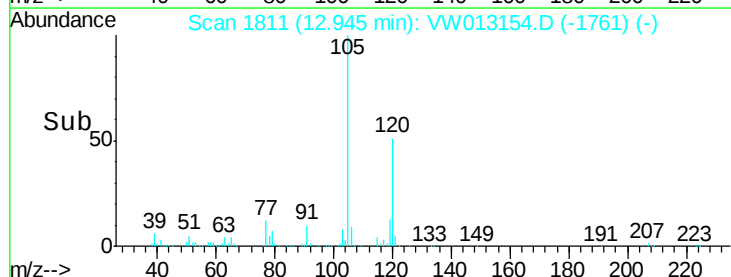
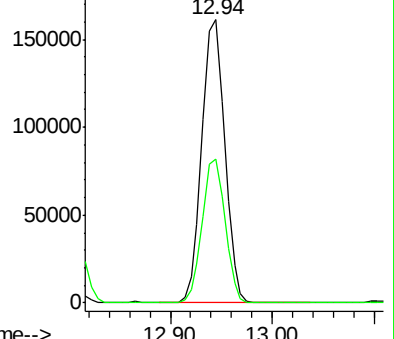
105 100

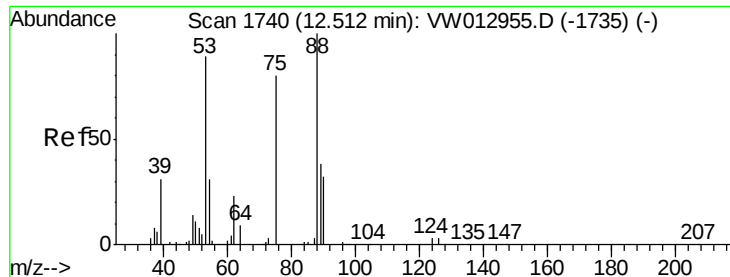
120 51.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





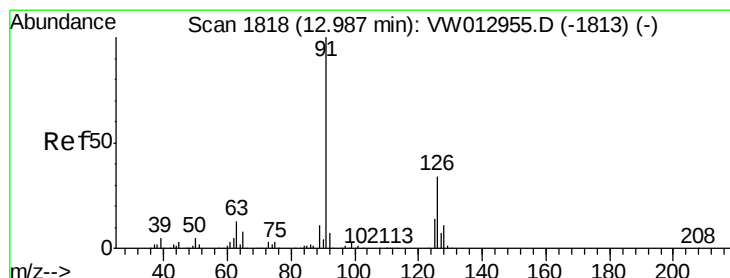
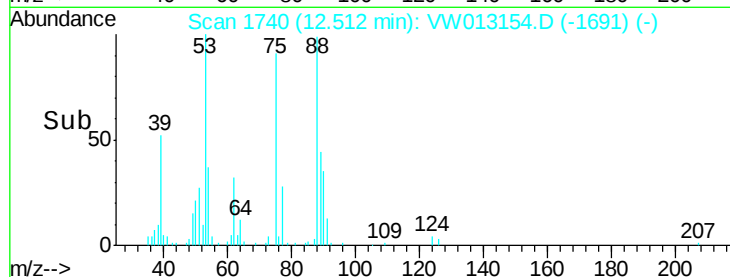
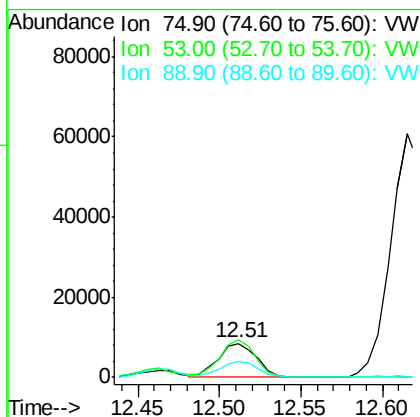
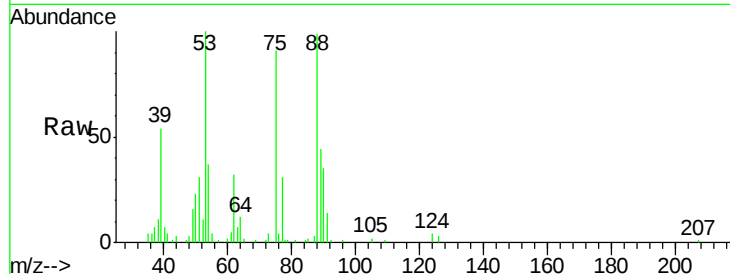
#81
trans-1,4-Dichloro-2-butene
Concen: 15.974 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.1	85.6	128.4
89	44.3	37.2	55.8

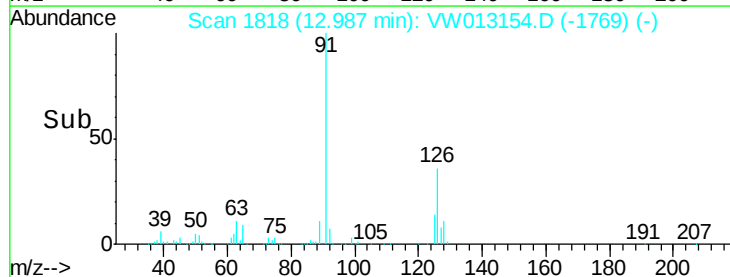
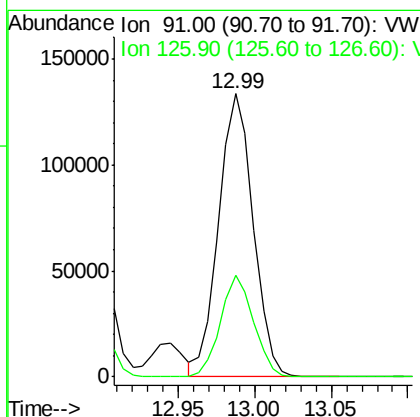
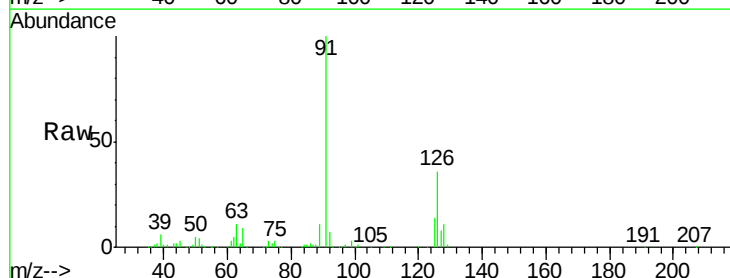
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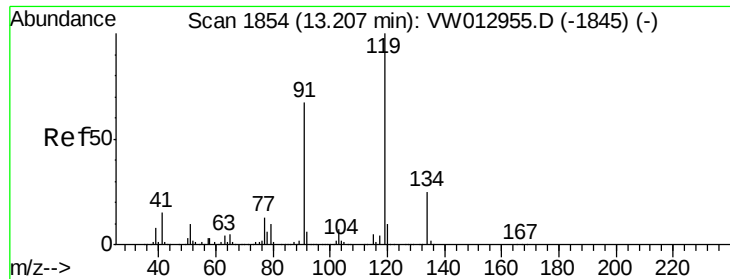
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#82
4-Chlorotoluene
Concen: 19.239 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.1	48.3





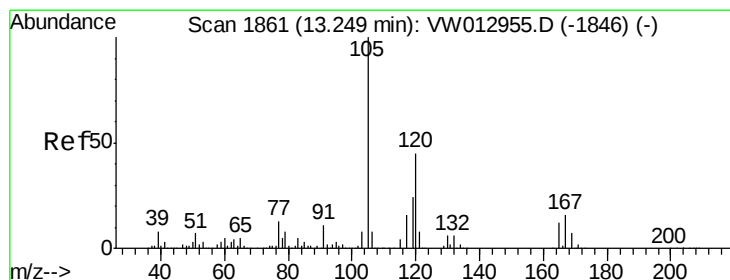
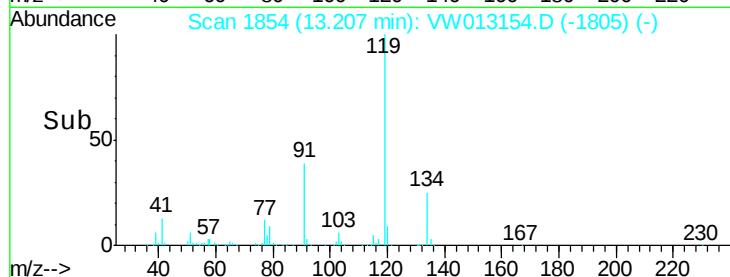
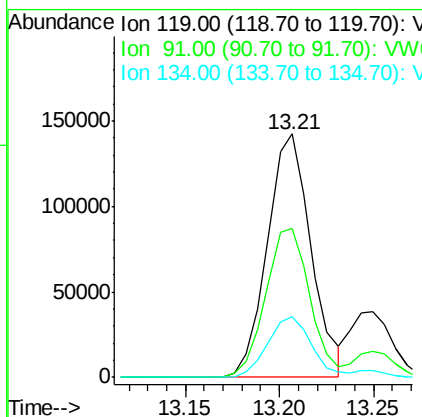
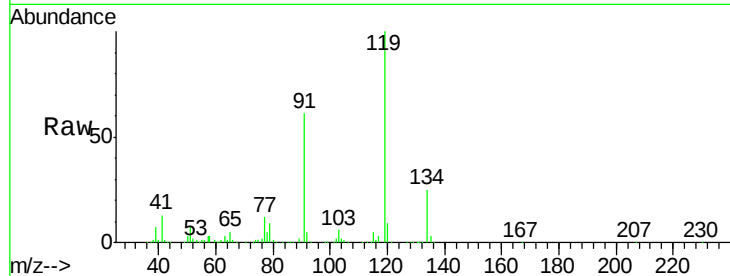
#83
 tert-Butylbenzene
 Concen: 19.919 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228977		
91	61.7	32.6	98.0	
134	25.1	12.4	37.4	

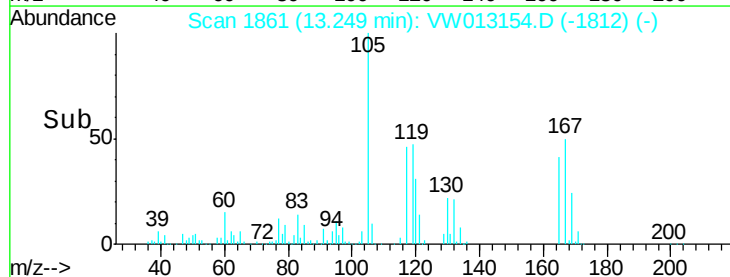
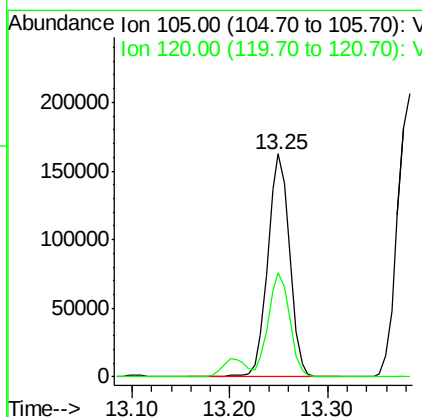
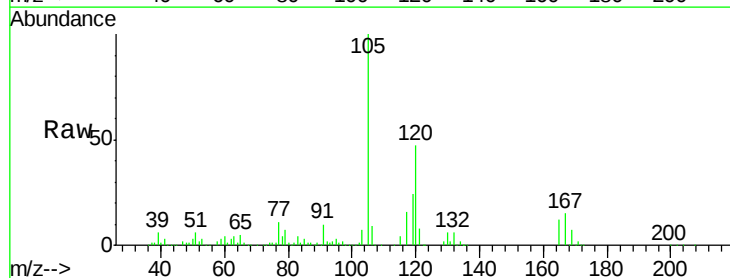
Manual Integrations
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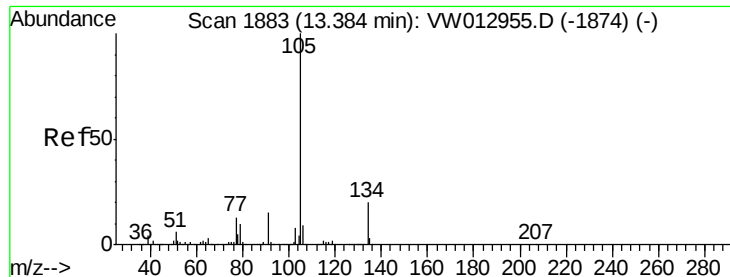
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.817 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	251660		
120	45.3	21.9	65.7	





#85

sec-Butylbenzene

Concen: 20.102 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBS01

Tot Ion:105 Resp: 314830

Ion Ratio Lower Upper

105 100

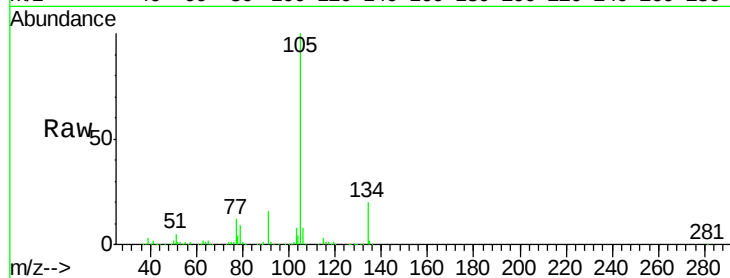
134 20.6 10.2 30.4

Manual Integrations

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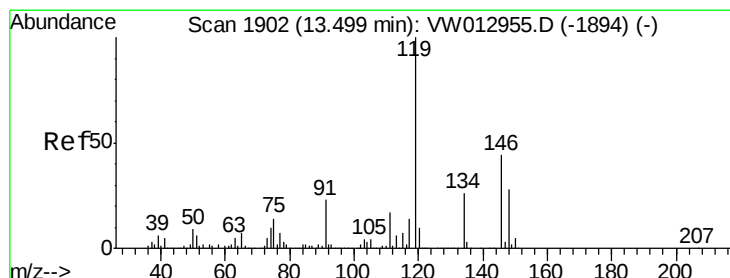
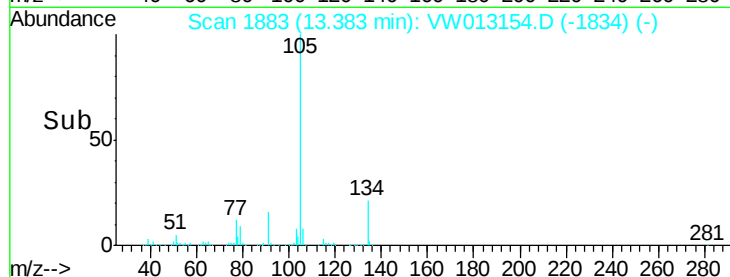
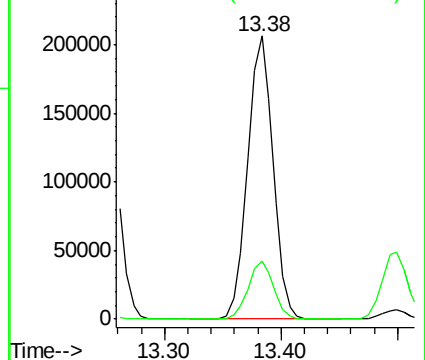
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.073 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013154.D

Acq: 19 Sep 2019 12:16

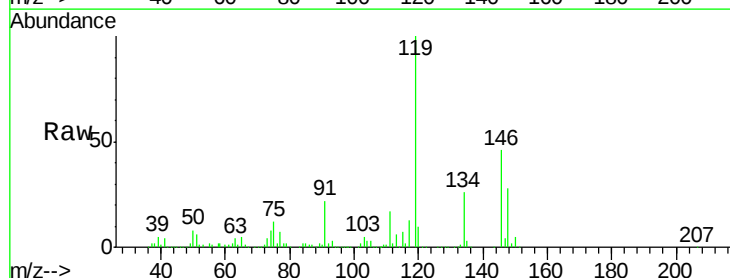
Tgt Ion:119 Resp: 288636

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.3

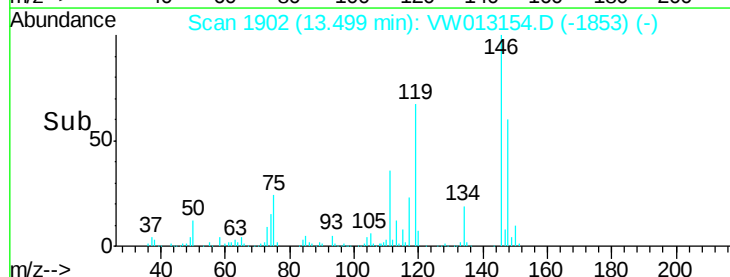
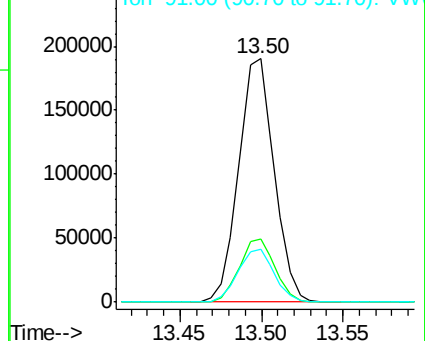
91 22.3 11.8 35.4

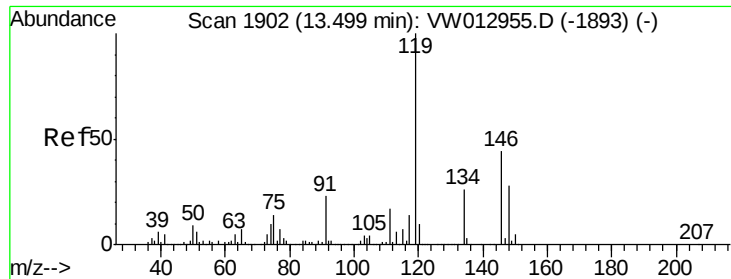


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





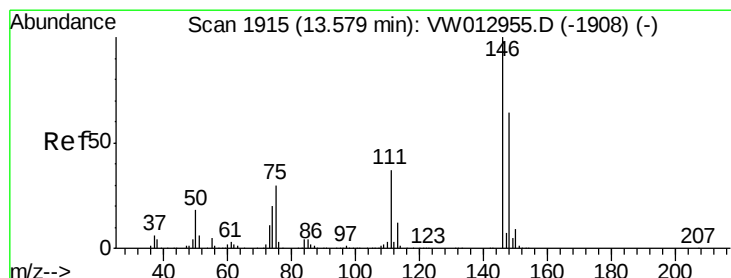
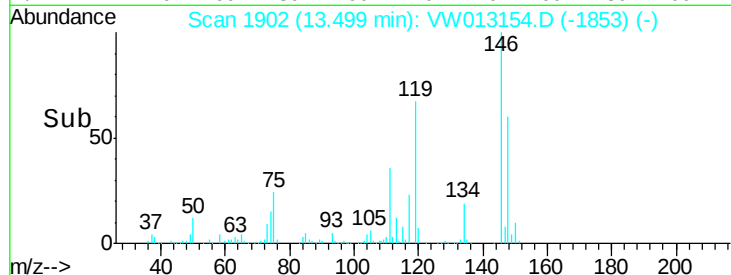
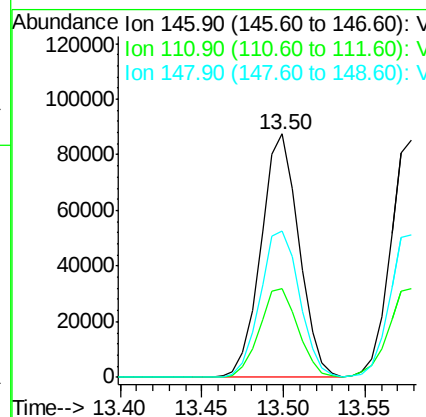
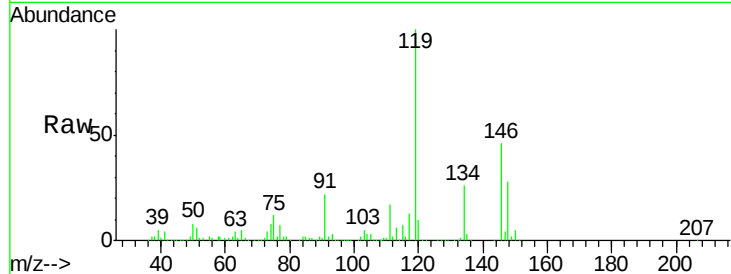
#87
 1,3-Dichlorobenzene
 Concen: 20.384 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	141212		
111	37.0	19.8	59.4	
148	62.5	31.9	95.7	

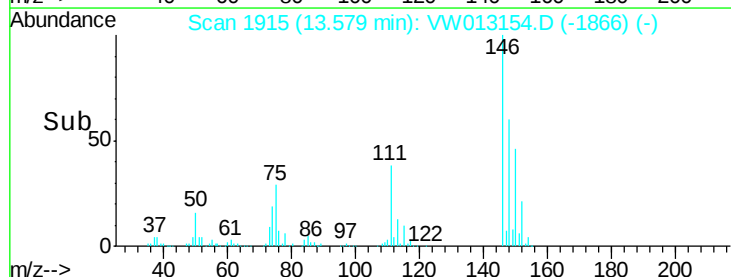
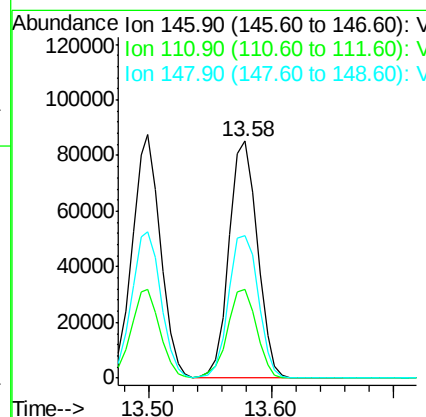
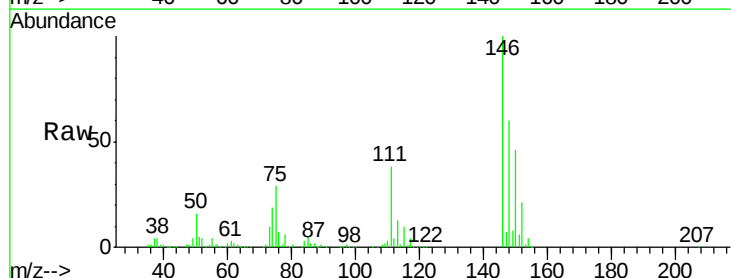
Manual Integrations
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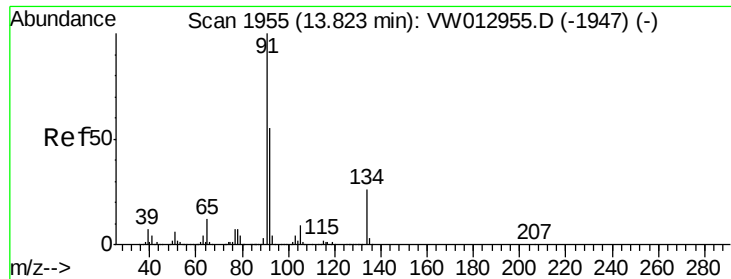
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#88
 1,4-Dichlorobenzene
 Concen: 20.088 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	136758		
111	38.6	19.4	58.2	
148	63.2	31.9	95.5	





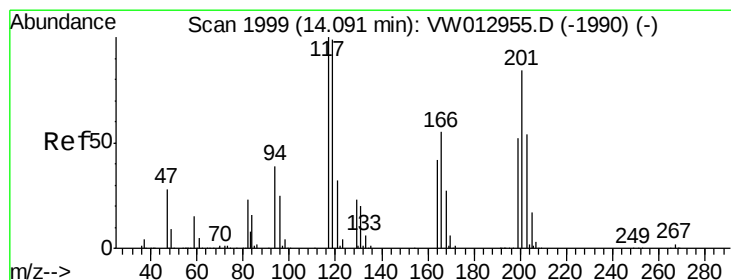
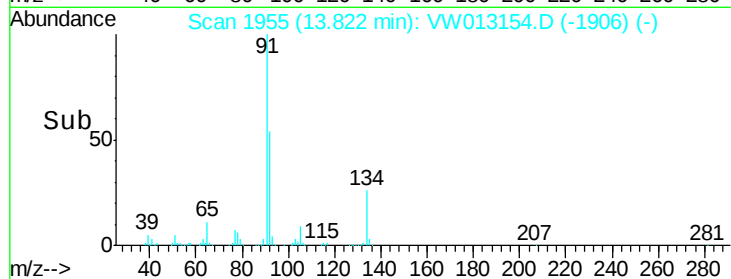
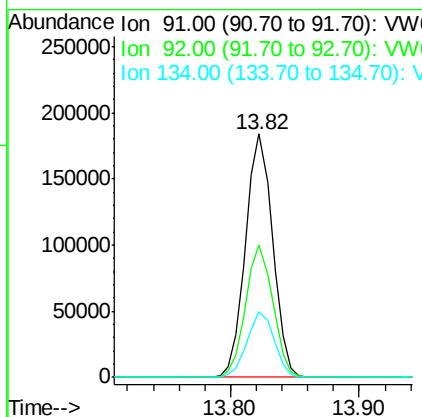
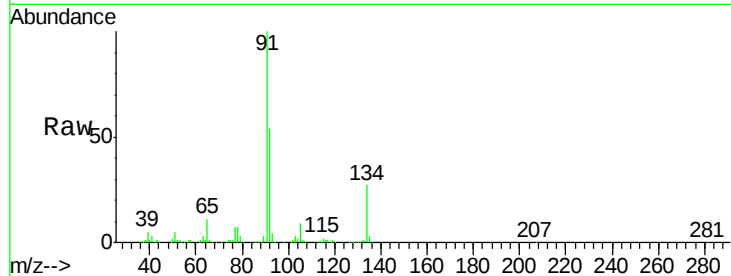
#89
n-Butylbenzene
Concen: 19.705 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	26.9	13.1	39.1

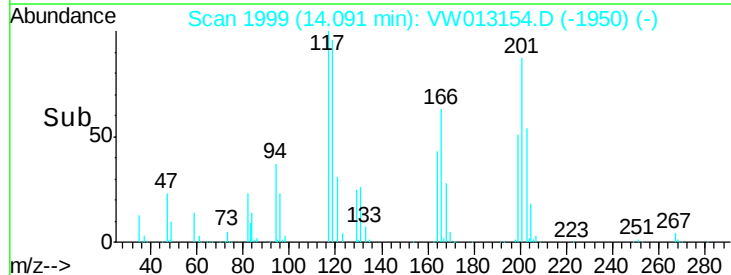
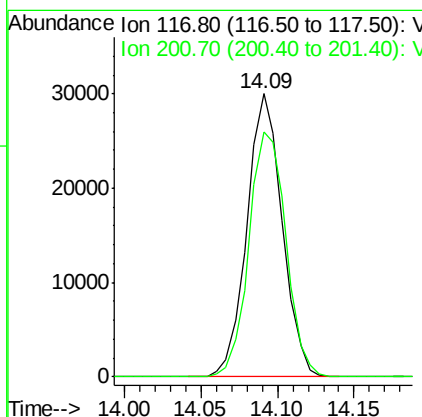
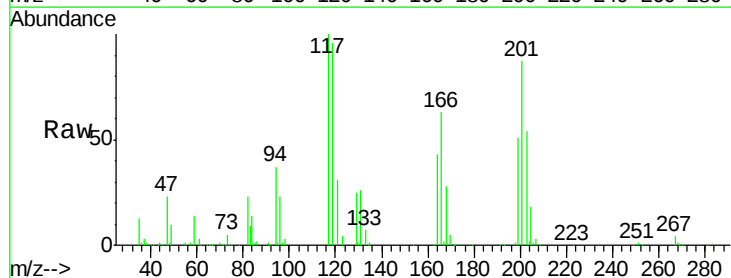
Manual Integrations
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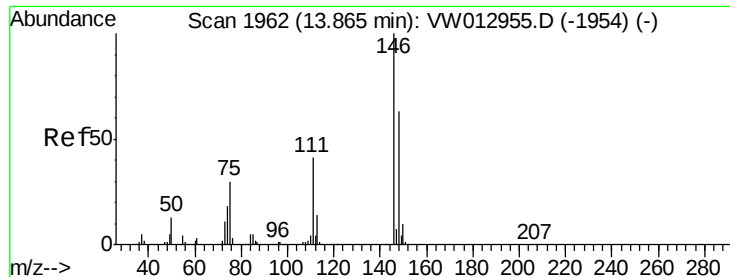
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#90
Hexachloroethane
Concen: 18.603 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	45.3	135.9





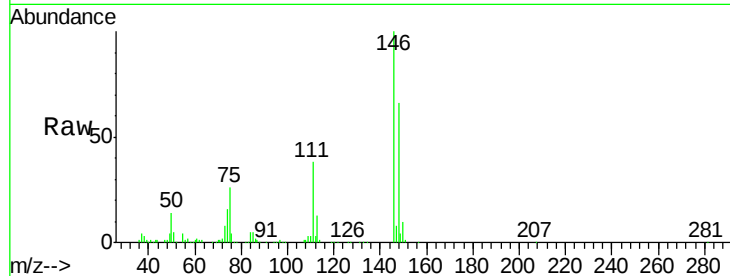
#91
 1,2-Dichlorobenzene
 Concen: 19.881 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

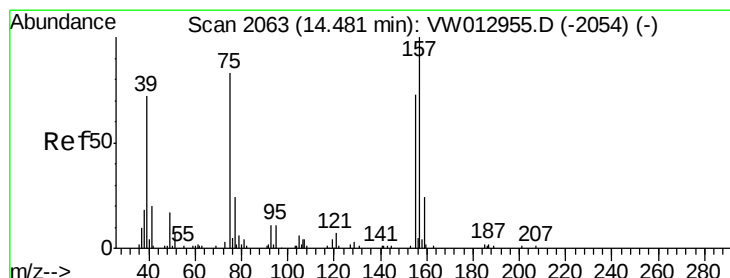
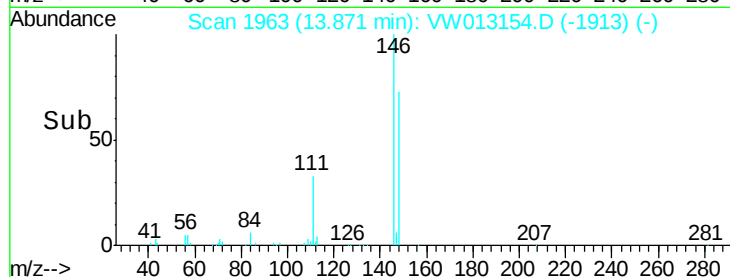
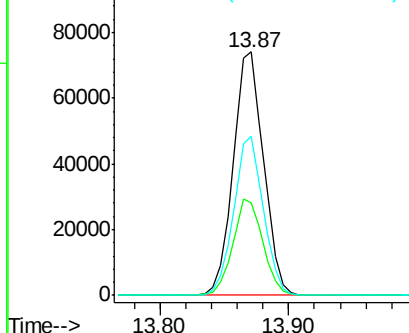
Tot Ion	Ratio	Resp	Lower	Upper
146	100	121118		
111	39.3	20.8	62.5	
148	63.7	32.7	98.1	

Manual Integrations
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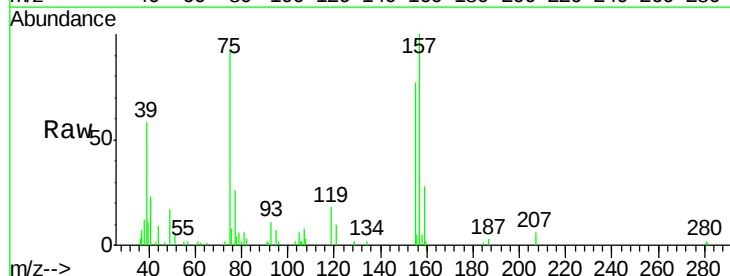


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

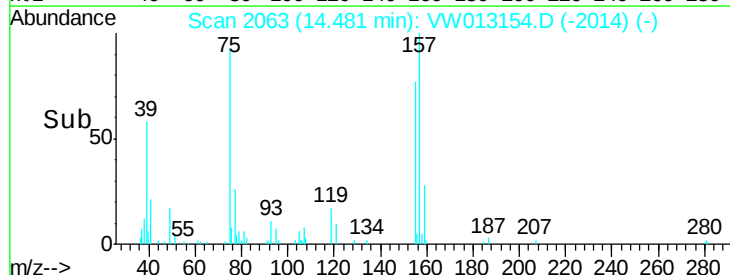
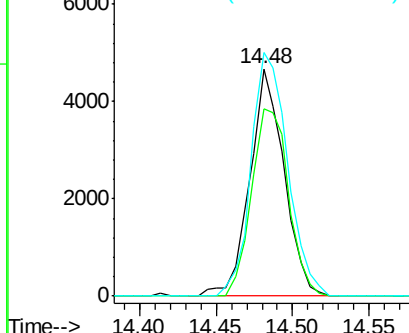


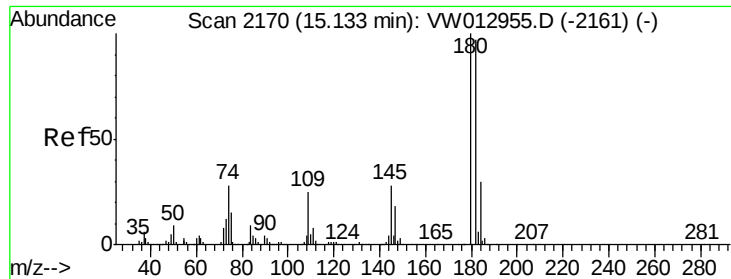
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.892 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7273		
155	89.0	43.3	129.9	
157	114.4	54.7	164.1	



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





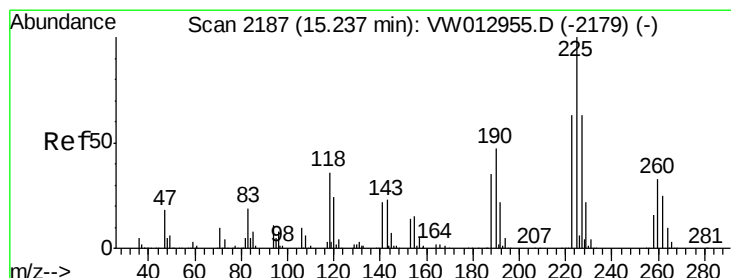
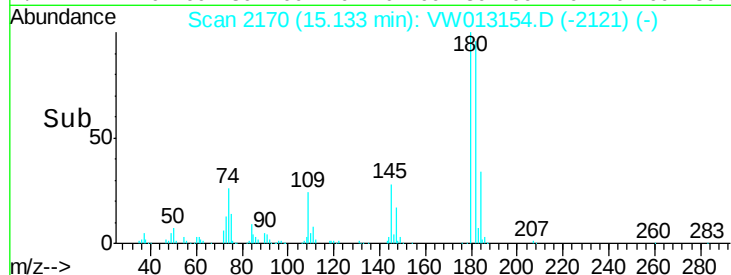
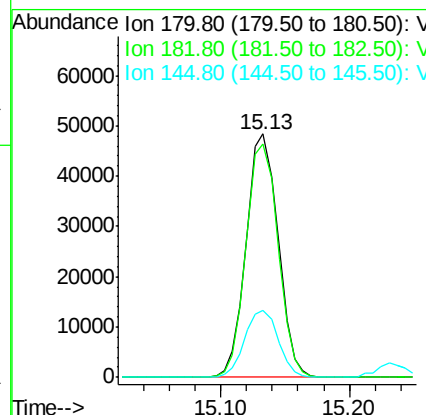
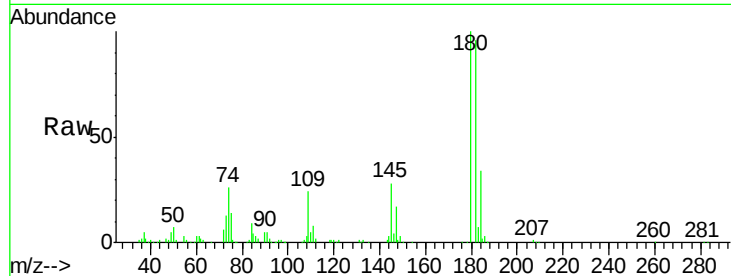
#93
 1,2,4-Trichlorobenzene
 Concen: 19.086 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.4	142.2	
145	29.0	14.9	44.7	

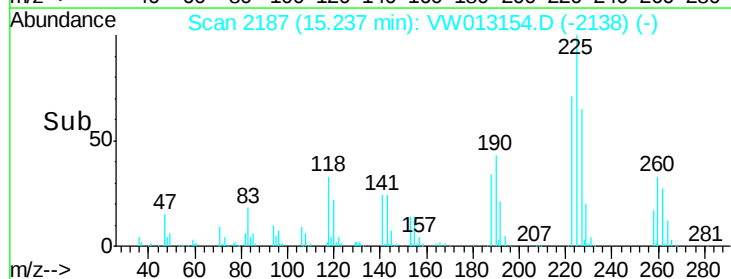
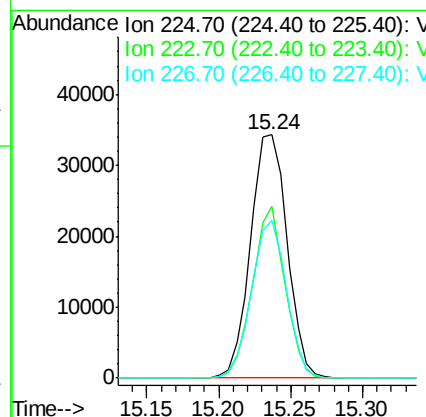
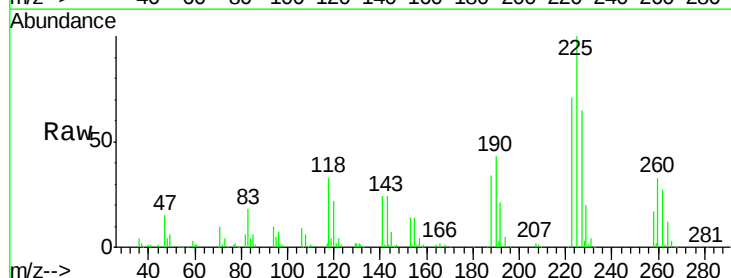
Manual Integrations
 APPROVED

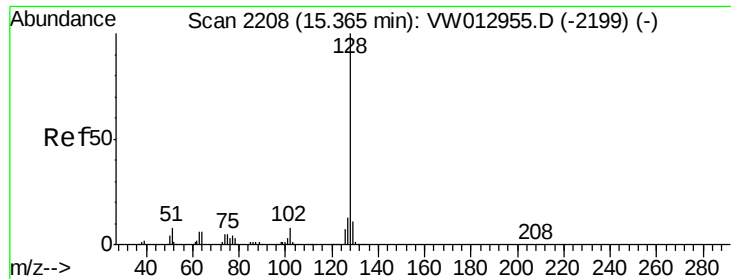
MMDadoda
 9/23/2019 10:46:08 AM



#94
 Hexachlorobutadiene
 Concen: 19.618 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013154.D
 Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.8	95.3	
227	61.9	31.3	93.8	





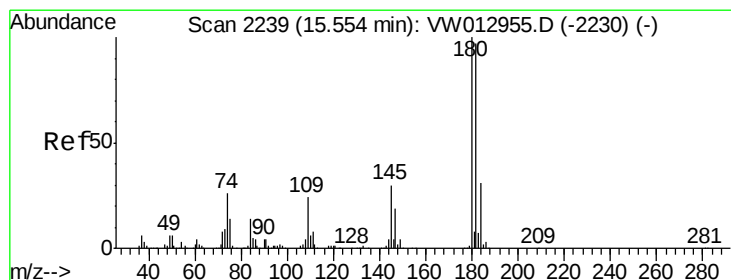
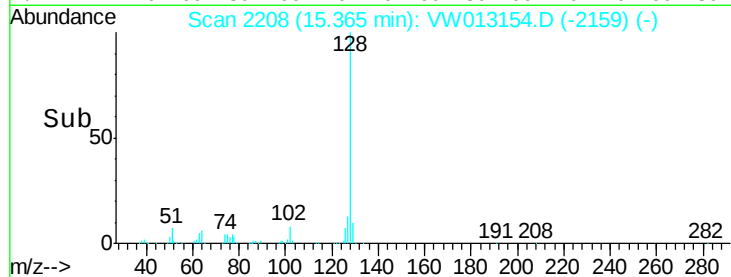
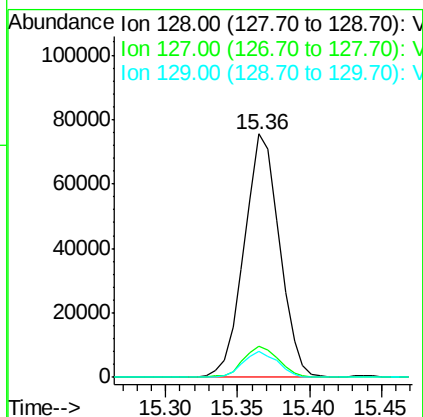
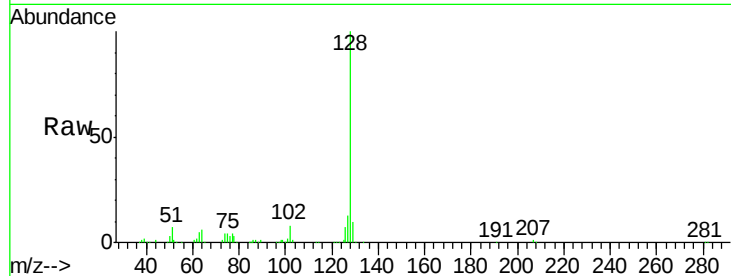
#95
Naphthalene
Concen: 17.672 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	128292		
127	13.1		11.0	16.6
129	10.5		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/23/2019 10:46:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.653 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013154.D
Acq: 19 Sep 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	71642		
182	96.5		47.6	142.8
145	30.4		15.4	46.2

