

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013031.D
 Acq On : 16 Sep 2019 10:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:00:44 PM

Quant Time: Sep 16 12:27:51 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	336357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	149573	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	7.88	113	132465	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.32	98	555616	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.62	95	185340	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	67419	52.600	ug/l	97
3) Chloromethane	2.21	50	83407	51.696	ug/l	97
4) Vinyl Chloride	2.36	62	116997	48.596	ug/l	97
5) Bromomethane	2.78	94	68083	46.307	ug/l	95
6) Chloroethane	2.92	64	73555	49.814	ug/l	96
7) Trichlorofluoromethane	3.26	101	82406	48.947	ug/l	97
8) Diethyl Ether	3.68	74	61322	46.647	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	122787	48.086	ug/l	98
10) Methyl Iodide	4.26	142	158607	49.633	ug/l	98
11) Tert butyl alcohol	5.20	59	50650	240.741	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	114016	49.108	ug/l	95
13) Acrolein	3.89	56	64910	284.402	ug/l	98
14) Allyl chloride	4.67	41	225345	51.126	ug/l	98
15) Acrylonitrile	5.36	53	163199	243.065	ug/l	99
16) Acetone	4.13	43	186183	278.429	ug/l	99
17) Carbon Disulfide	4.38	76	220216	47.596	ug/l	97
18) Methyl Acetate	4.67	43	75695	42.769	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	229753	50.132	ug/l	97
20) Methylene Chloride	4.91	84	128482	51.332	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	122893	49.421	ug/l	94
22) Diisopropyl ether	6.31	45	479949	52.416	ug/l	98
23) Vinyl Acetate	6.25	43	1431867	261.088	ug/l	98
24) 1,1-Dichloroethane	6.21	63	264789	50.155	ug/l	99
25) 2-Butanone	7.17	43	246657	249.705	ug/l	97
26) 2,2-Dichloropropane	7.17	77	183257	55.142	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	153035	51.405	ug/l	99
28) Bromochloromethane	7.51	49	122360	55.065	ug/l	99
29) Tetrahydrofuran	7.53	42	140992	250.507	ug/l	99
30) Chloroform	7.67	83	269817	50.299	ug/l	99
31) Cyclohexane	7.95	56	219262	55.821	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	222971	50.473	ug/l	99
36) 1,1-Dichloropropene	8.08	75	201108	50.376	ug/l	99
37) Ethyl Acetate	7.25	43	102417	48.333	ug/l	99
38) Carbon Tetrachloride	8.06	117	202529	49.505	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223398	51.067	ug/l	97
40) Benzene	8.32	78	572622	51.380	ug/l	99
41) Methacrylonitrile	7.48	41	65497	46.937	ug/l	96
42) 1,2-Dichloroethane	8.40	62	179129	47.947	ug/l	98
43) Isopropyl Acetate	8.42	43	206382	50.726	ug/l	99
44) Trichloroethene	9.09	130	150276	49.228	ug/l	100
45) 1,2-Dichloropropane	9.37	63	155404	52.483	ug/l	99
46) Dibromomethane	9.46	93	68905	48.572	ug/l	99
47) Bromodichloromethane	9.64	83	205773	51.712	ug/l	99
48) Methyl methacrylate	9.43	41	95293	49.906	ug/l	97
49) 1,4-Dioxane	9.46	88	21636	910.197	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	523664	249.305	ug/l	100
52) Toluene	10.38	92	354353	50.037	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	209973	52.467	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	245203	53.549	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	109003	50.438	ug/l	97
56) Ethyl methacrylate	10.65	69	155269	53.377	ug/l	99
57) 1,3-Dichloropropane	10.93	76	196650	51.296	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	390320	250.137	ug/l	99
59) 2-Hexanone	10.97	43	392630	268.447	ug/l	100
60) Dibromochloromethane	11.13	129	131410	50.295	ug/l	98
61) 1,2-Dibromoethane	11.23	107	99149	50.293	ug/l	99
64) Tetrachloroethene	10.86	164	126789	52.171	ug/l	97
65) Chlorobenzene	11.66	112	381083	52.371	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	146655	52.593	ug/l	99
67) Ethyl Benzene	11.73	91	716661	53.327	ug/l	99
68) m/p-Xylenes	11.84	106	531063	108.172	ug/l	100
69) o-Xylene	12.16	106	251483	54.638	ug/l	100
70) Styrene	12.18	104	453383	55.374	ug/l	98
71) Bromoform	12.35	173	79473	54.258	ug/l #	100
73) Isopropylbenzene	12.46	105	729956	52.841	ug/l	100
74) N-amyl acetate	12.27	43	193326	54.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123410	50.864	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	99032m	54.248	ug/l	
77) Bromobenzene	12.74	156	162247	50.982	ug/l	99
78) n-propylbenzene	12.80	91	860335	52.945	ug/l	100
79) 2-Chlorotoluene	12.89	91	487601	52.199	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	612418	52.402	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42597	52.932	ug/l	99
82) 4-Chlorotoluene	12.99	91	516213	52.375	ug/l	99
83) tert-Butylbenzene	13.21	119	554919	53.085	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	614915	53.246	ug/l	98
85) sec-Butylbenzene	13.38	105	768122	53.933	ug/l	99
86) p-Isopropyltoluene	13.49	119	698847	53.445	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	324339	51.483	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	322197	52.043	ug/l	100
89) n-Butylbenzene	13.82	91	685334	55.575	ug/l	99
90) Hexachloroethane	14.09	117	125661	53.626	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	284896	51.423	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21685	48.827	ug/l	98

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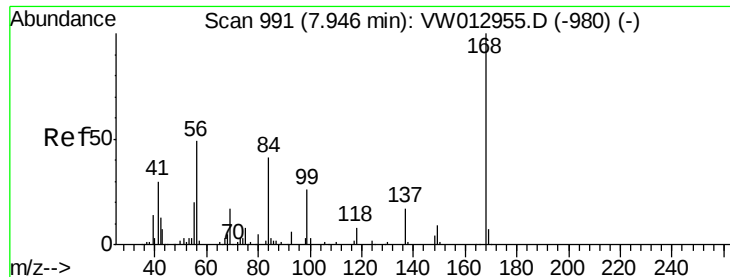
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	207735	52.577	ug/l	99
94) Hexachlorobutadiene	15.24	225	141438	50.567	ug/l	99
95) Naphthalene	15.36	128	357131	54.096	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	183171	52.444	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 336357

Ion Ratio Lower Upper

168 100

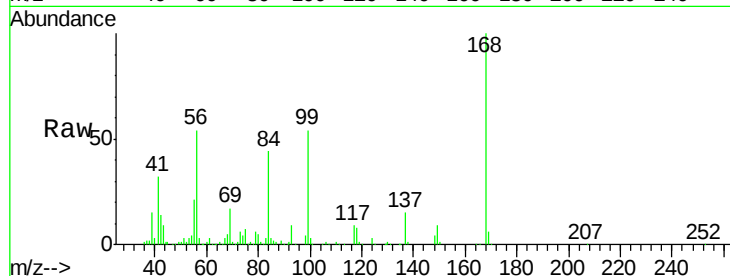
99 53.5 46.2 69.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

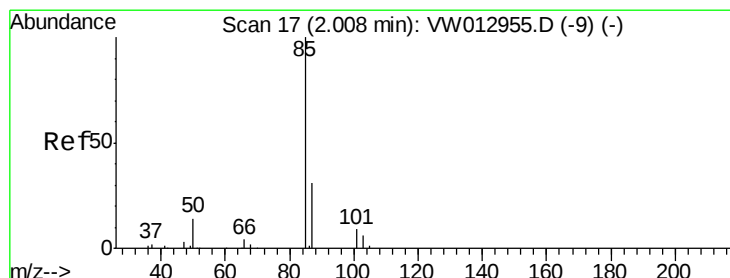
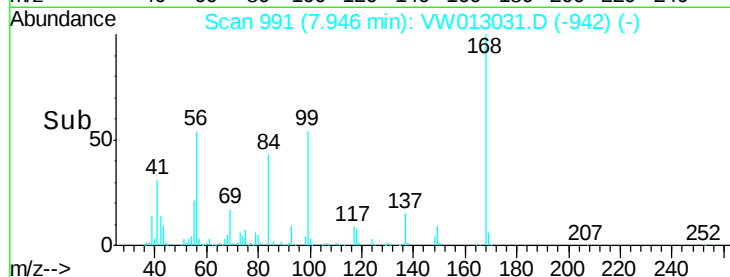
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 52.600 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013031.D

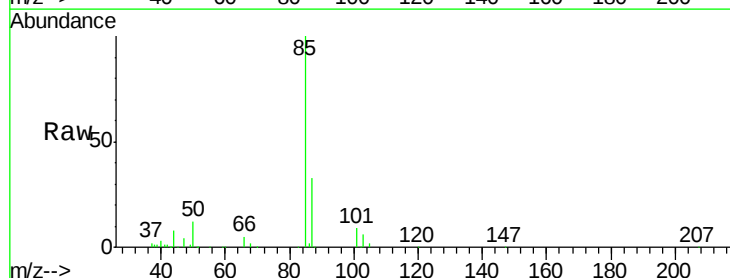
Acq: 16 Sep 2019 10:29

Tgt Ion: 85 Resp: 67419

Ion Ratio Lower Upper

85 100

87 32.6 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

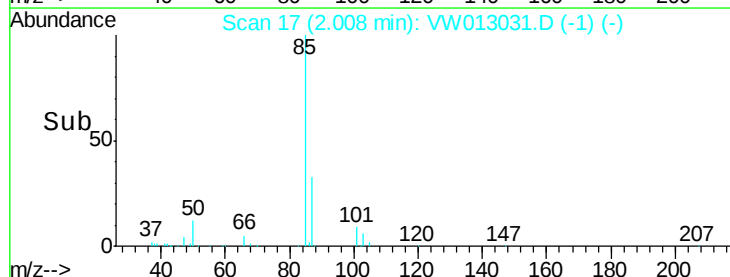
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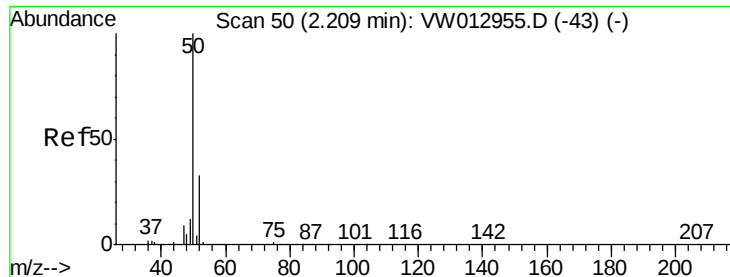
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 51.696 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 83407

Ion Ratio Lower Upper

50 100

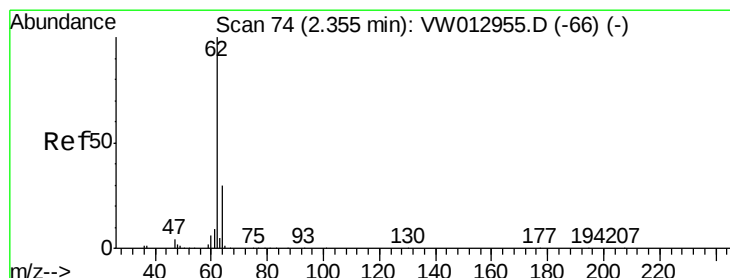
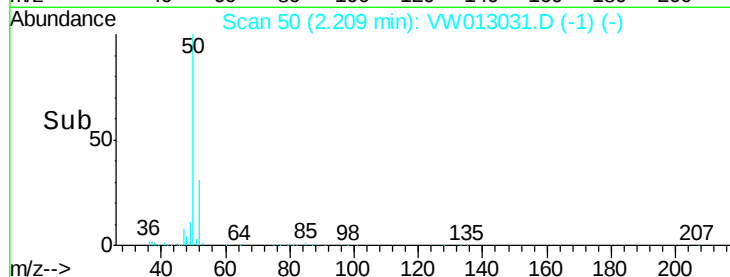
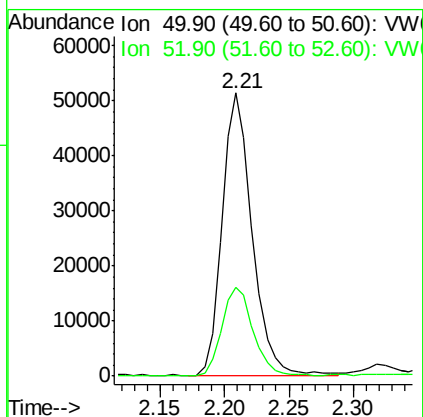
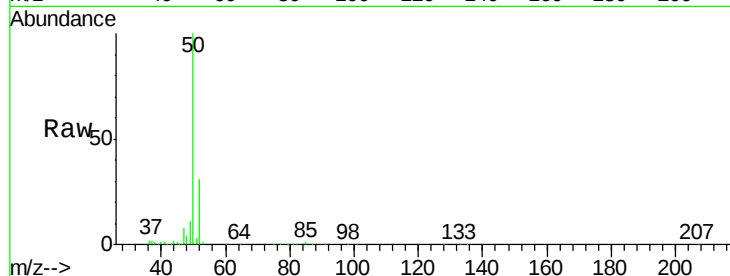
52 31.3 26.6 39.8

Manual Integrations

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9/18/2019 2:00:44 PM



#4

Vinyl Chloride

Concen: 48.596 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013031.D

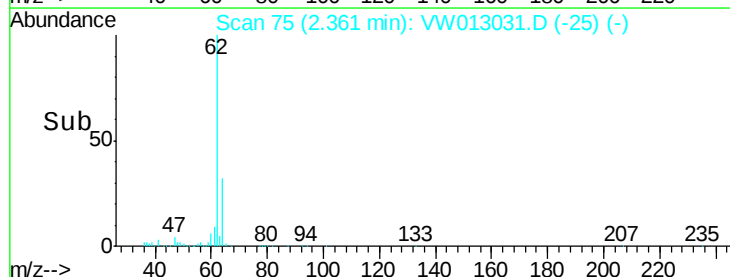
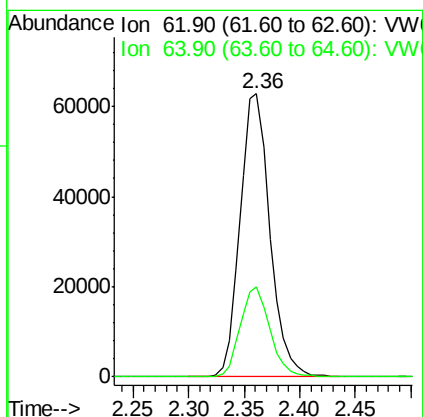
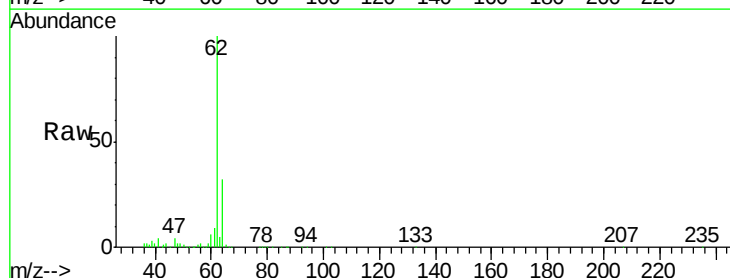
Acq: 16 Sep 2019 10:29

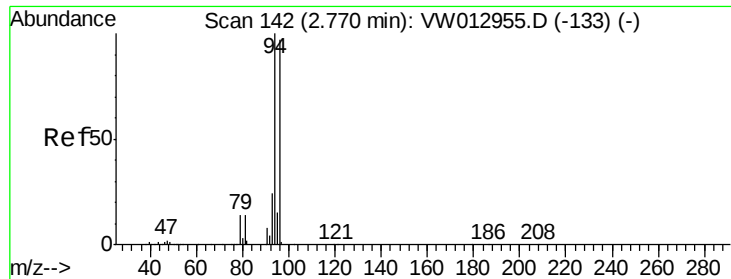
Tgt Ion: 62 Resp: 116997

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 46.307 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 68083

Ion Ratio Lower Upper

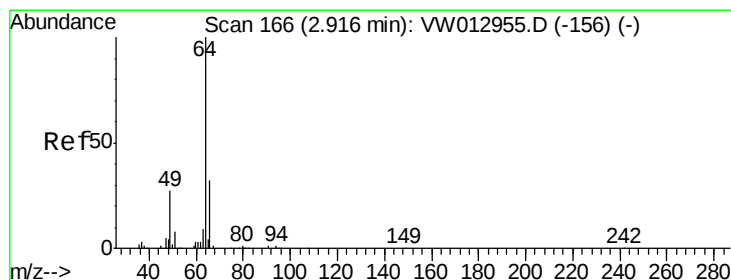
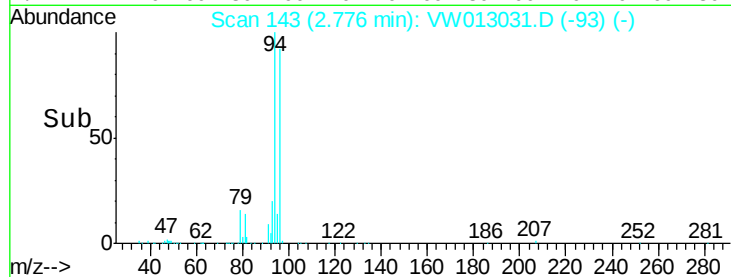
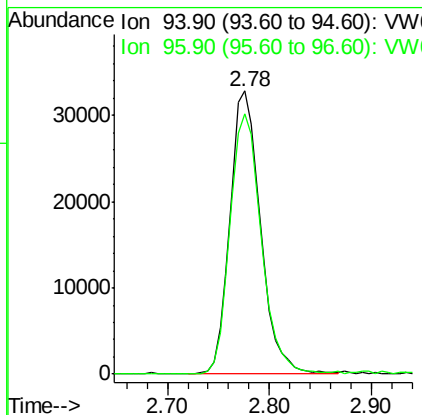
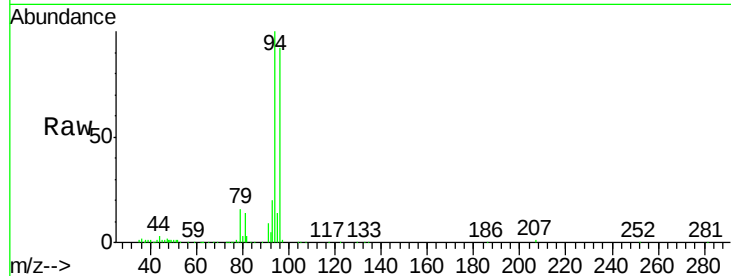
94 100

96 92.0 77.8 116.6

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#6

Chloroethane

Concen: 49.814 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013031.D

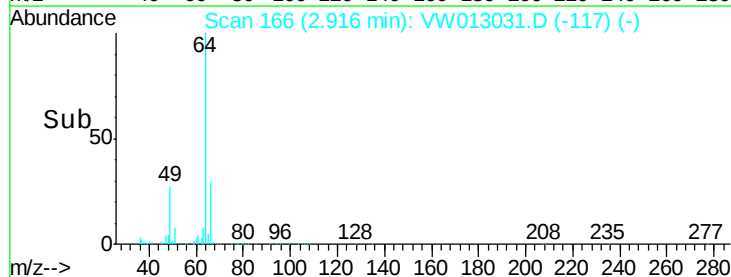
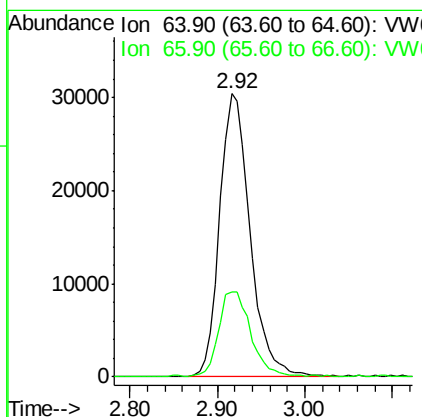
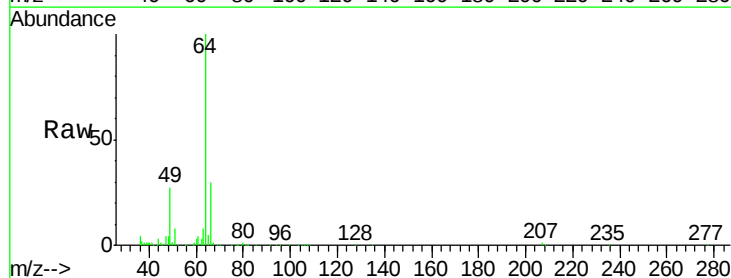
Acq: 16 Sep 2019 10:29

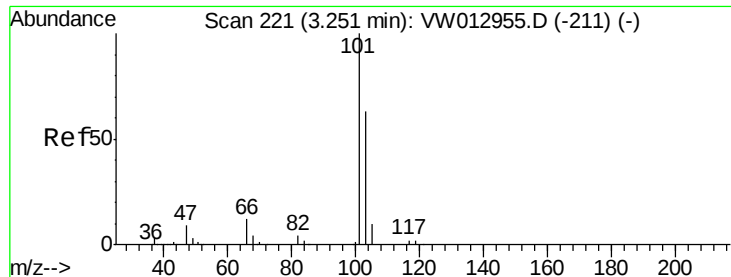
Tgt Ion: 64 Resp: 73555

Ion Ratio Lower Upper

64 100

66 30.0 25.9 38.9





#7

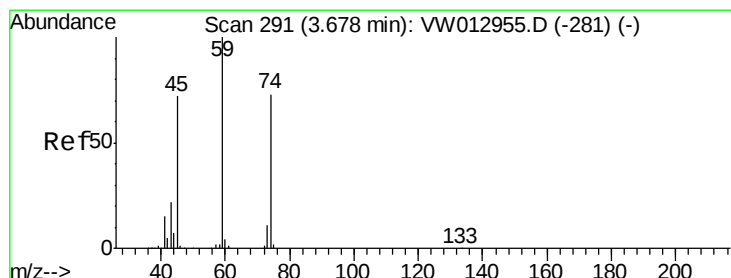
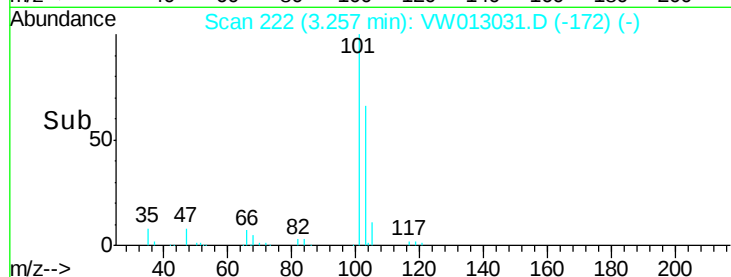
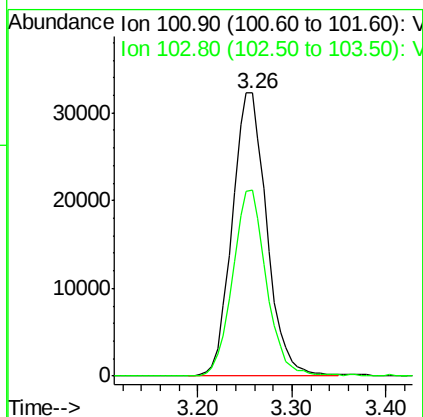
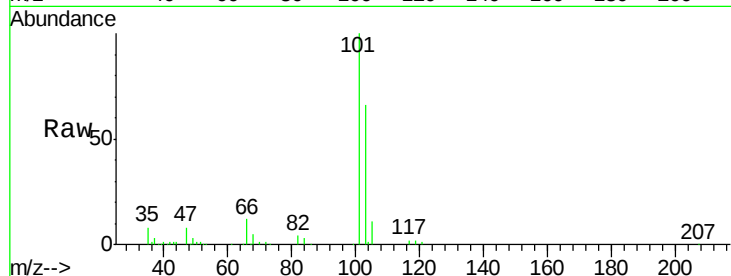
Trichlorofluoromethane
 Concen: 48.947 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.7	76.1

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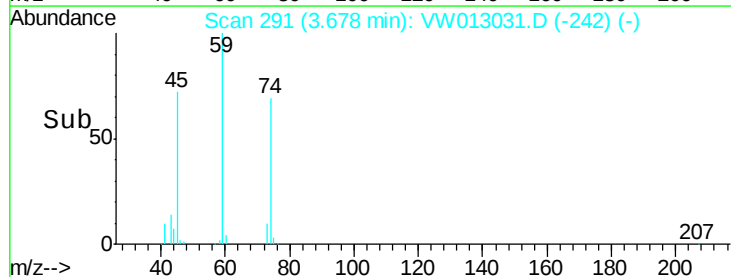
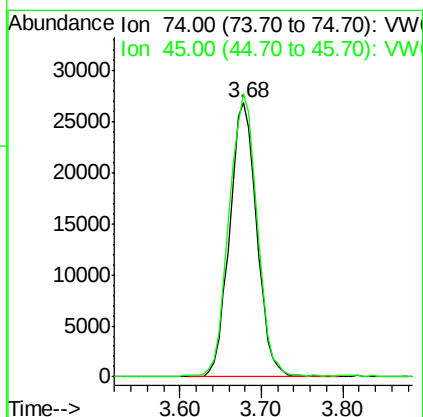
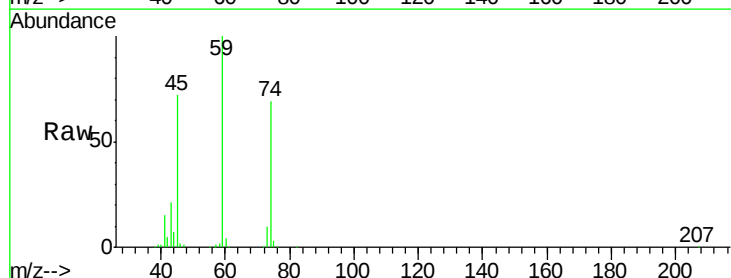
MMDadoda
 9/18/2019 2:00:44 PM

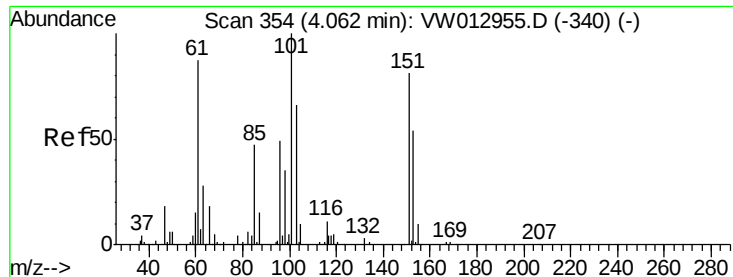


#8

Diethyl Ether
 Concen: 46.647 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.1	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.086 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

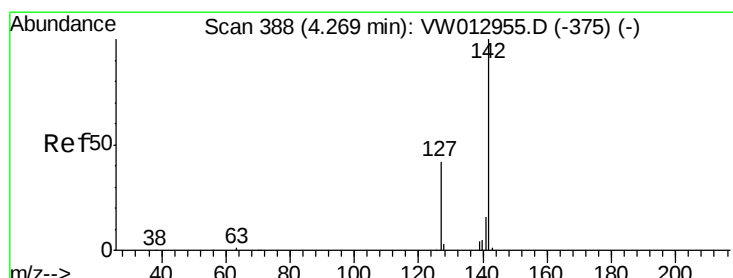
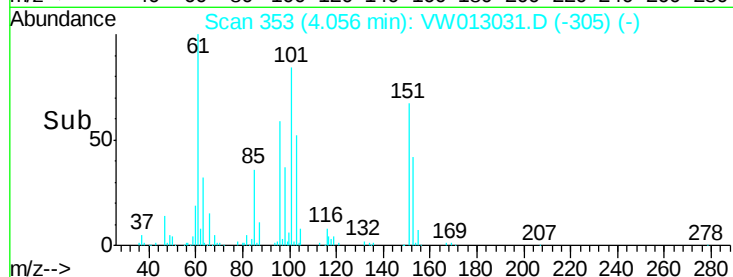
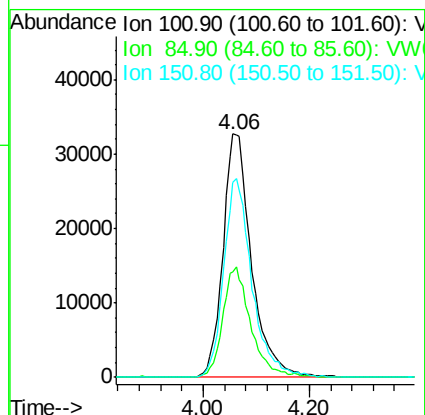
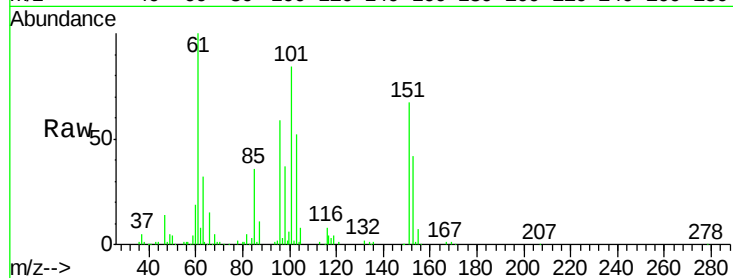
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	122787
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.9	52.3
151	81.0	66.0	99.0

Manual Integrations
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#10

Methyl Iodide

Concen: 49.633 ug/l

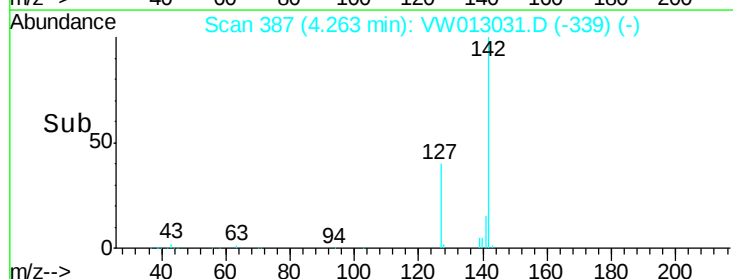
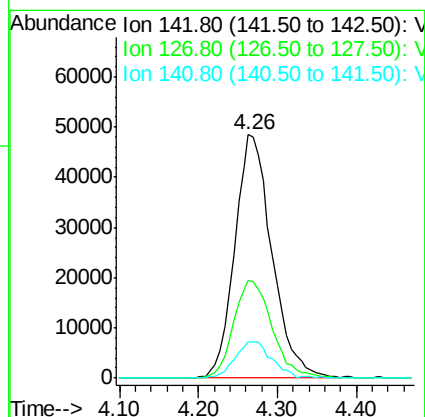
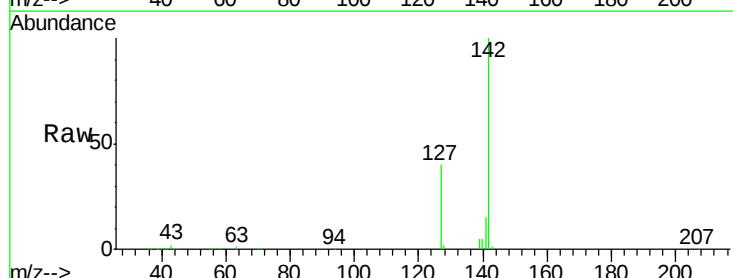
RT: 4.26 min Scan# 387

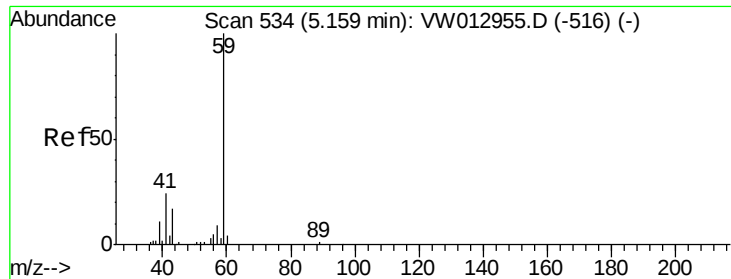
Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion:	142	Resp:	158607
Ion Ratio	Lower	Upper	
142	100		
127	41.6	34.7	52.1
141	14.7	12.2	18.2





#11

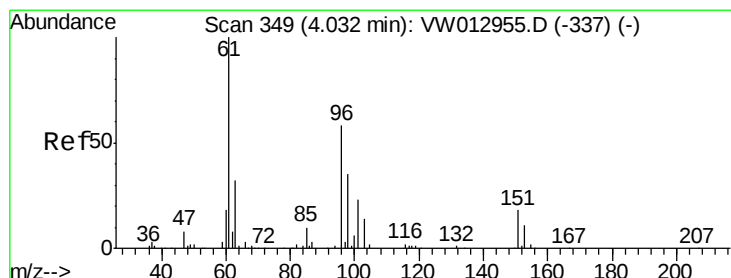
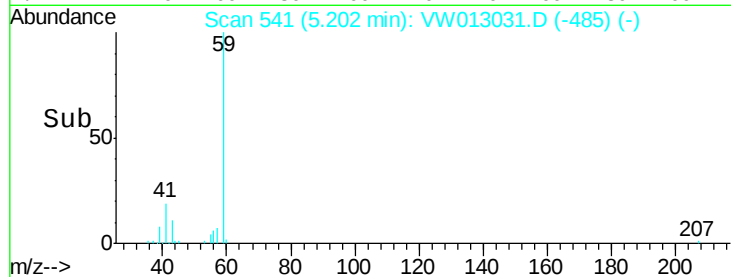
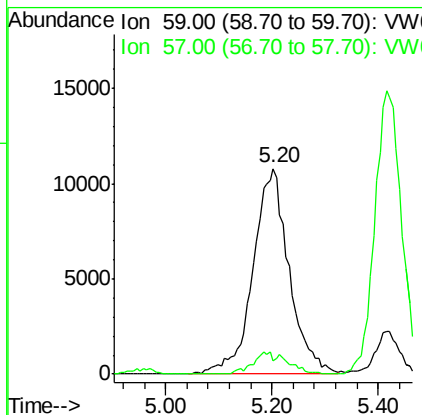
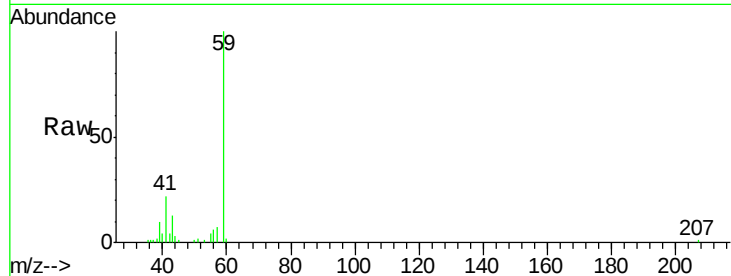
Tert butyl alcohol
 Concen: 240.741 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.04 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	50650
Ion Ratio	100	Lower	Upper
57	6.5	8.5	12.7#

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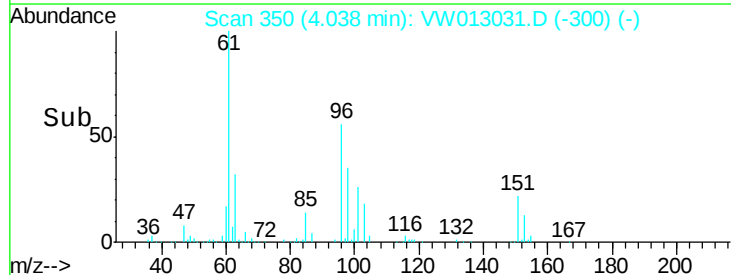
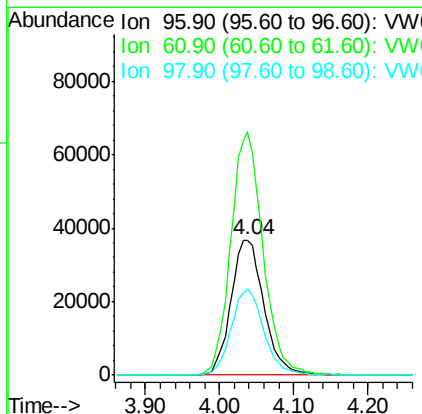
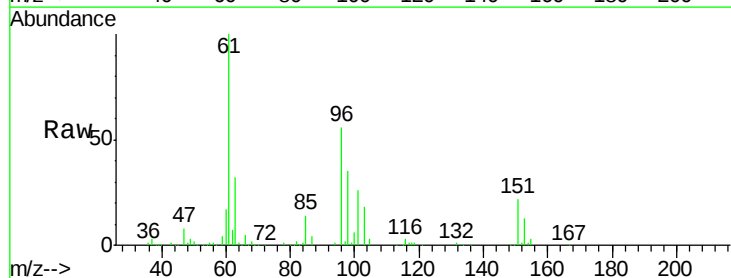
MMDadoda
 9/18/2019 2:00:44 PM

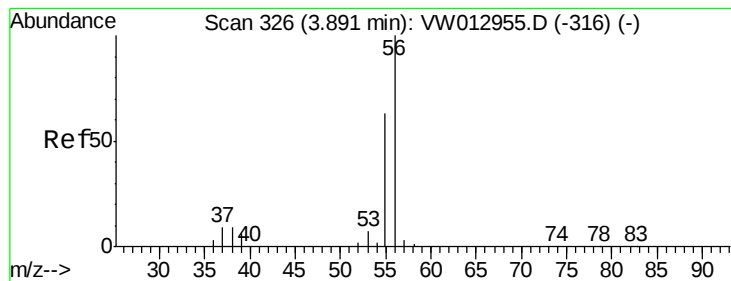


#12

1,1-Dichloroethene
 Concen: 49.108 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	96	Resp	114016
Ion Ratio	100	Lower	Upper
61	179.9	137.9	206.9
98	63.7	48.9	73.3





#13

Acrolein

Concen: 284.402 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 64910

Ion Ratio Lower Upper

56 100

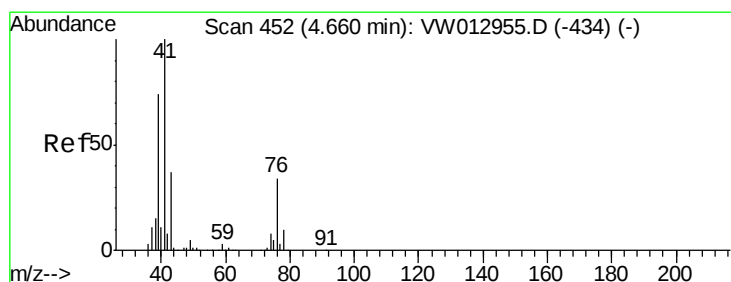
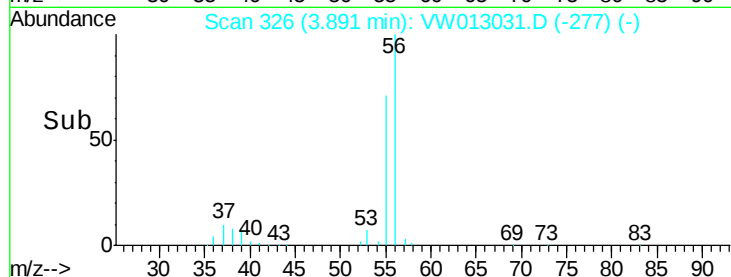
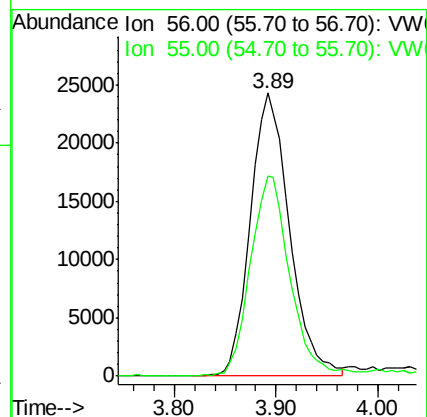
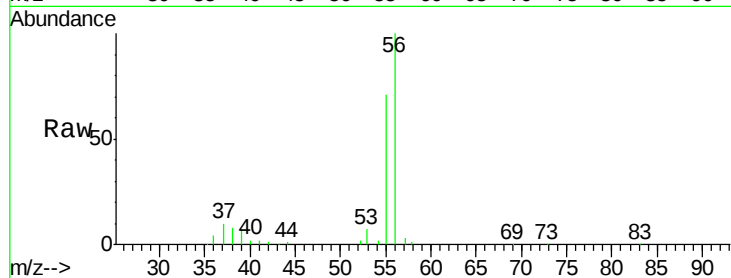
55 71.3 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 51.126 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

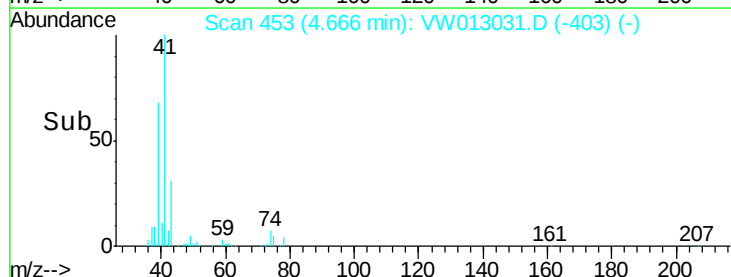
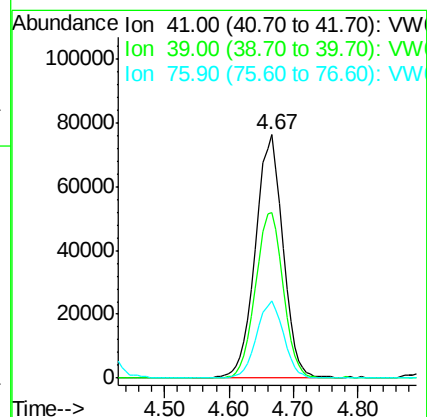
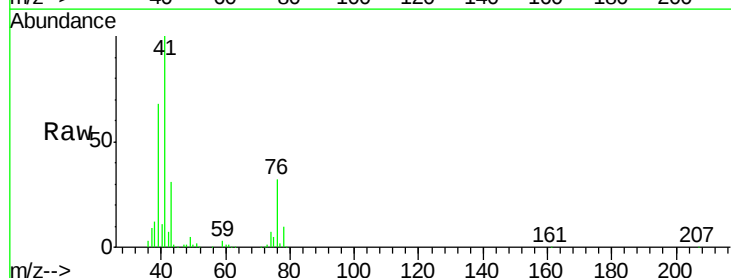
Tgt Ion: 41 Resp: 225345

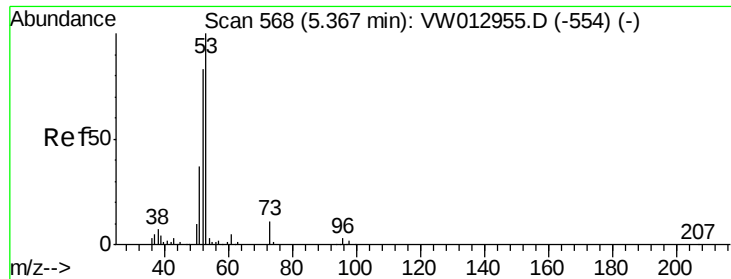
Ion Ratio Lower Upper

41 100

39 68.3 56.7 85.1

76 30.9 25.1 37.7





#15

Acrylonitrile

Concen: 243.065 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

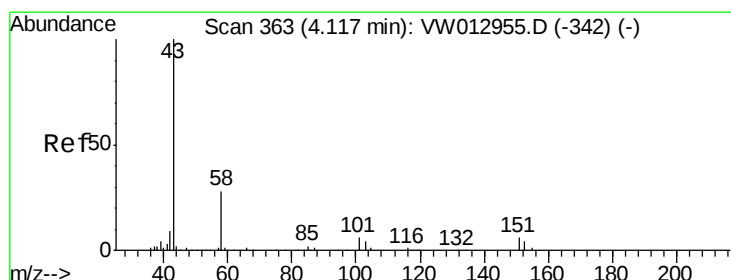
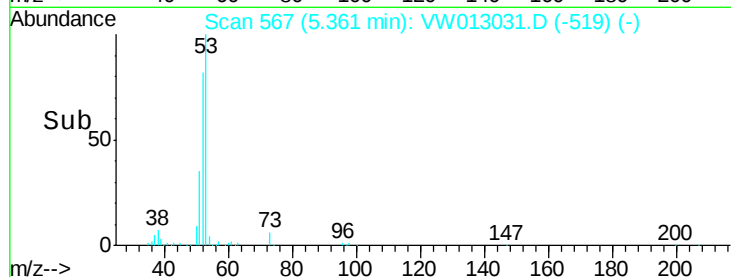
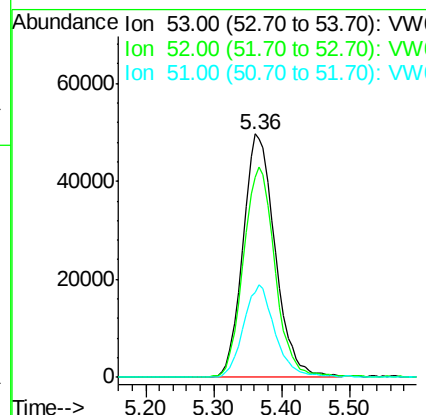
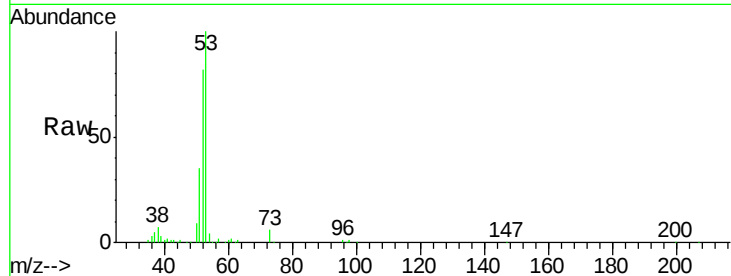
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	163199
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.6	100.0
51	37.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 278.429 ug/l

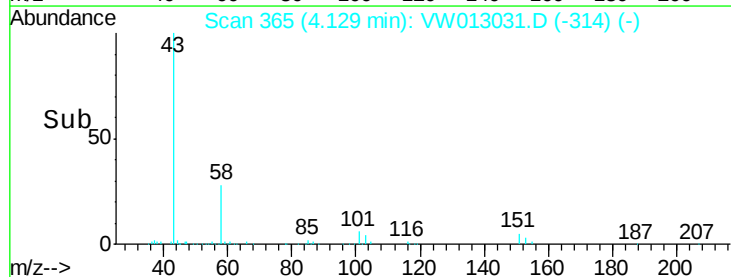
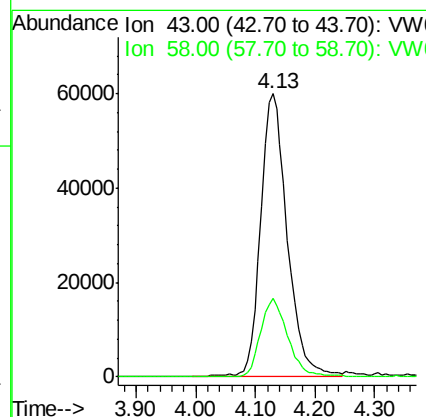
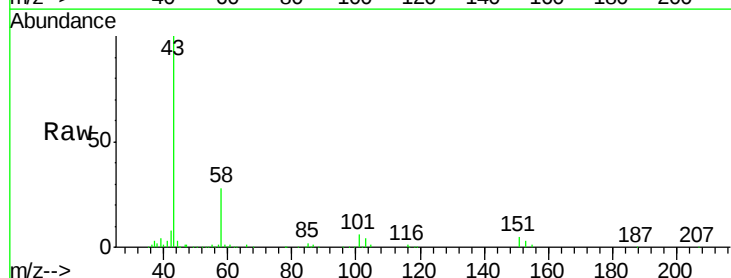
RT: 4.13 min Scan# 365

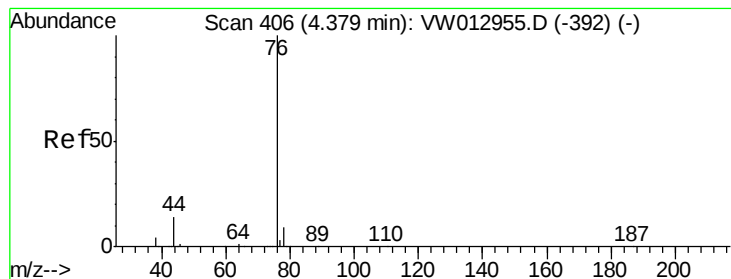
Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion:	43	Resp:	186183
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.3	33.5





#17

Carbon Disulfide

Concen: 47.596 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 220216

Ion Ratio Lower Upper

76 100

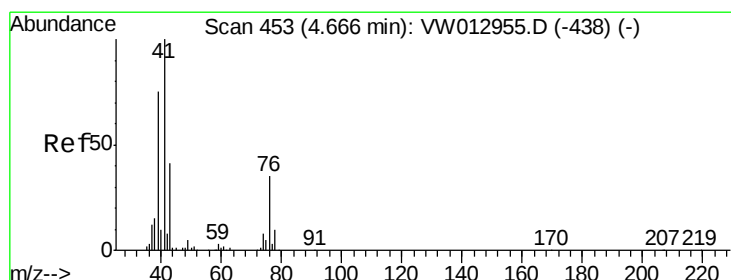
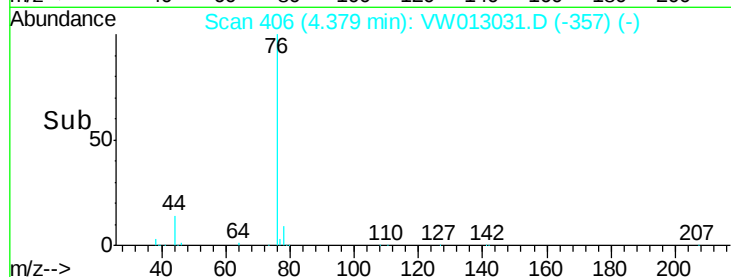
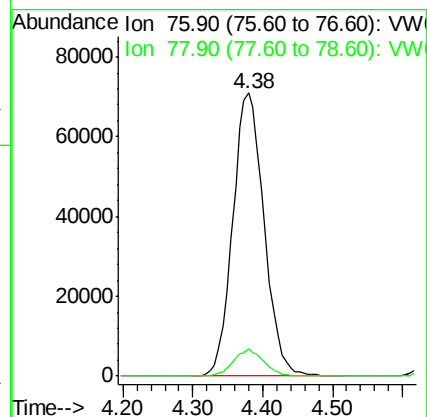
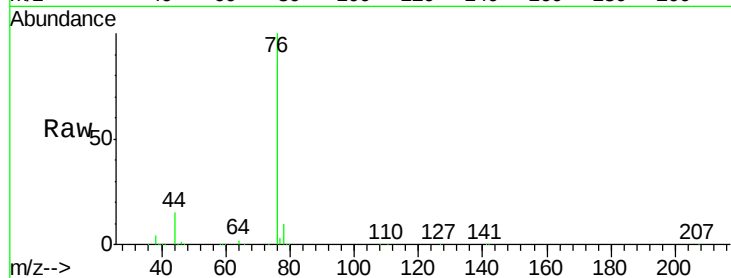
78 9.8 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 42.769 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013031.D

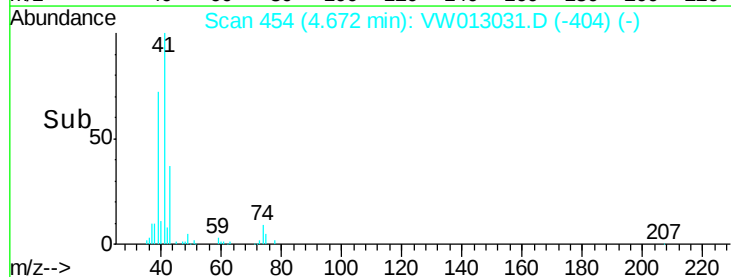
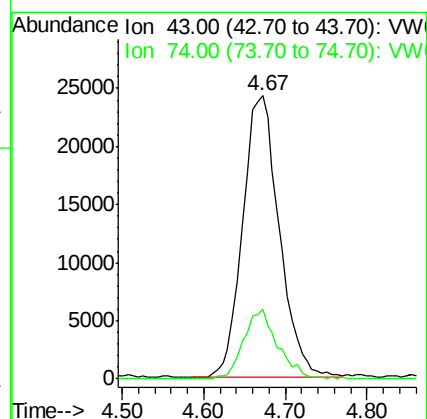
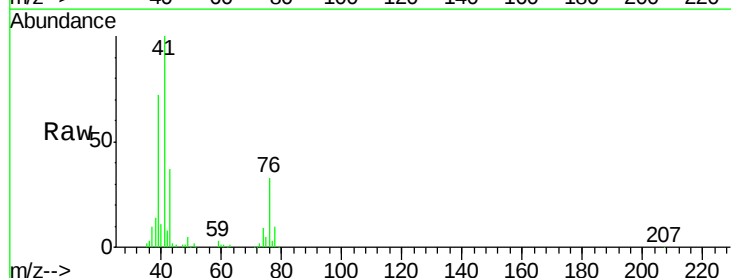
Acq: 16 Sep 2019 10:29

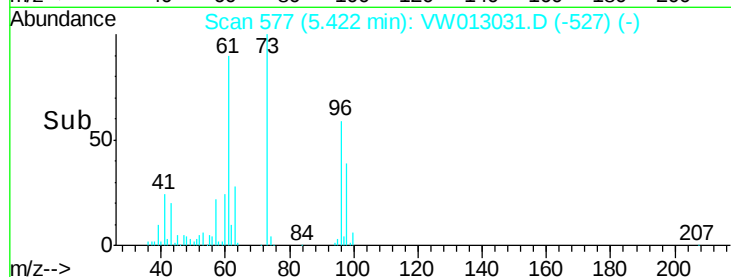
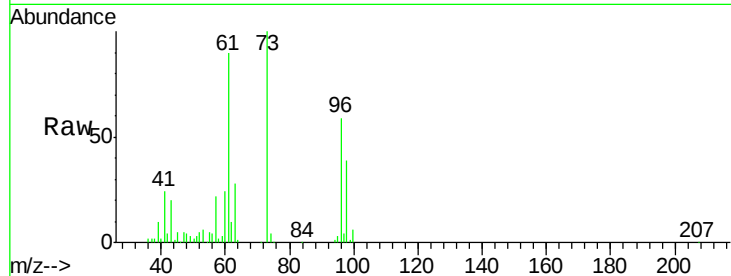
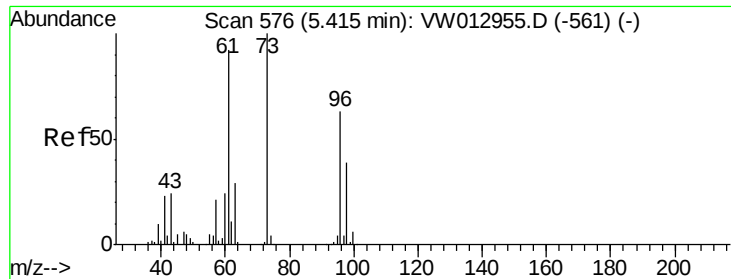
Tgt Ion: 43 Resp: 75695

Ion Ratio Lower Upper

43 100

74 23.0 17.8 26.8





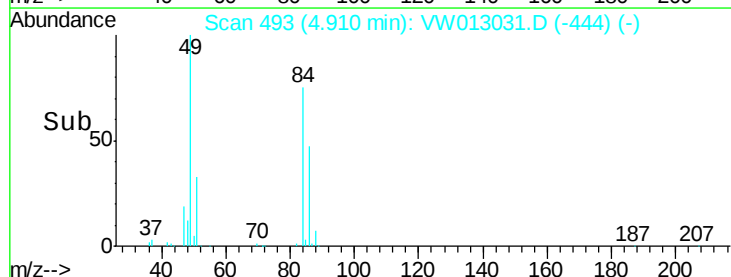
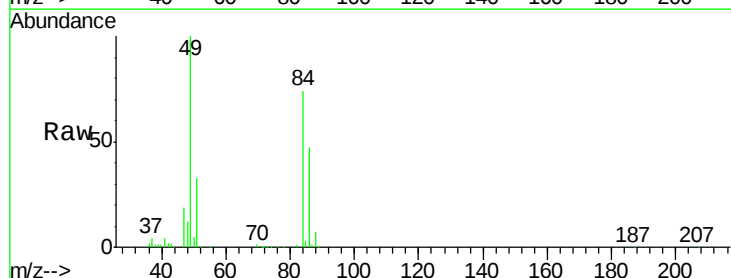
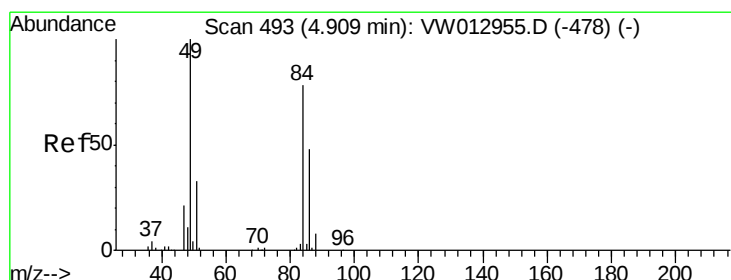
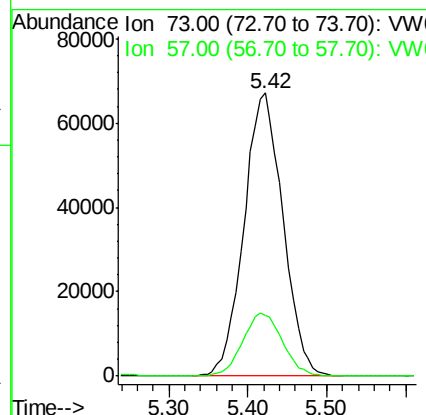
#19
Methyl tert-butyl Ether
Concen: 50.132 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tot Ion: 73 Resp: 229753
Ion Ratio Lower Upper
73 100
57 21.7 16.4 24.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

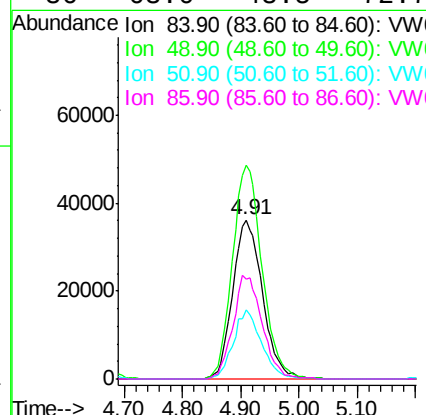
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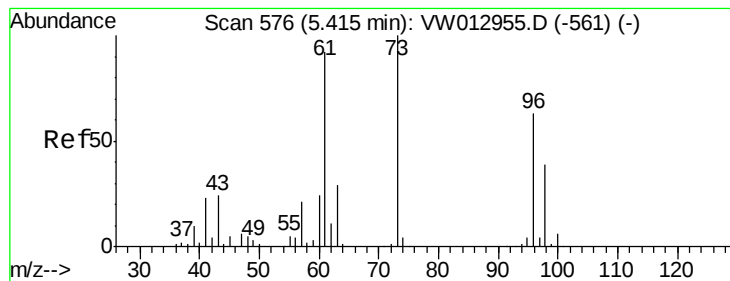
MMDadoda
9/18/2019 2:00:44 PM



#20
Methylene Chloride
Concen: 51.332 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion: 84 Resp: 128482
Ion Ratio Lower Upper
84 100
49 134.3 102.0 153.0
51 43.9 34.0 51.0
86 63.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 49.421 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 122893

Ion Ratio Lower Upper

96 100

61 152.0 116.2 174.2

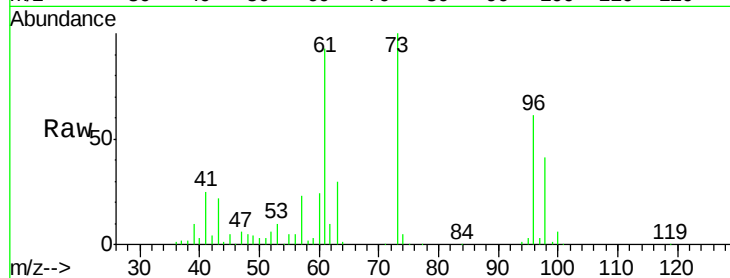
98 66.9 49.8 74.6

Manual Integrations

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9/18/2019 2:00:44 PM

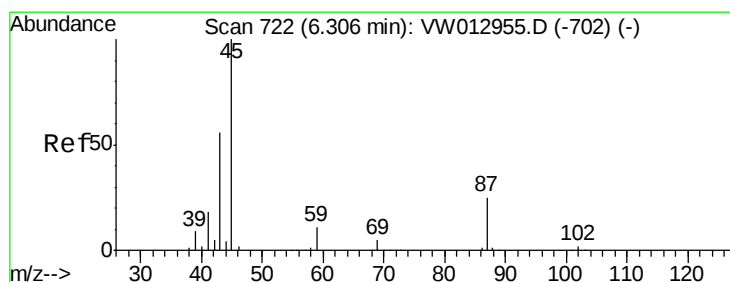
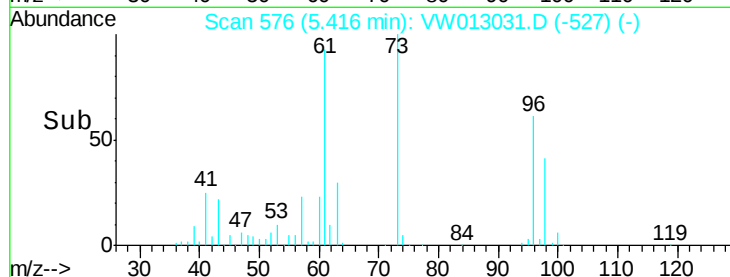
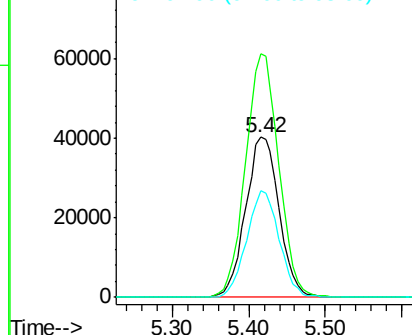


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.416 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion: 45 Resp: 479949

Ion Ratio Lower Upper

45 100

43 54.5 44.6 67.0

87 24.0 20.0 30.0

59 11.4 8.7 13.1

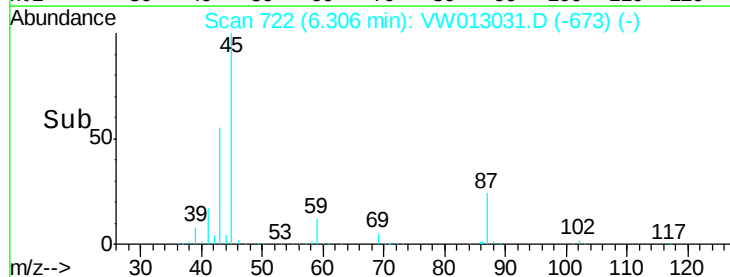
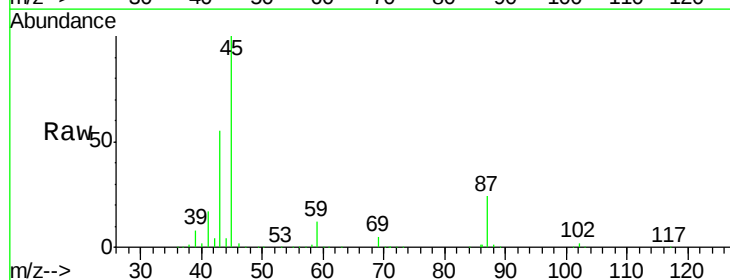
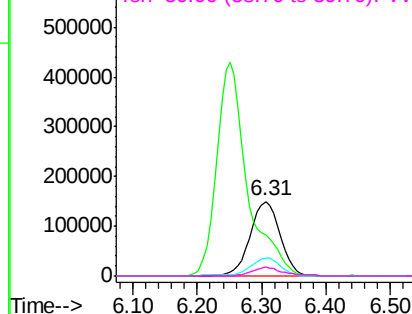
Abundance

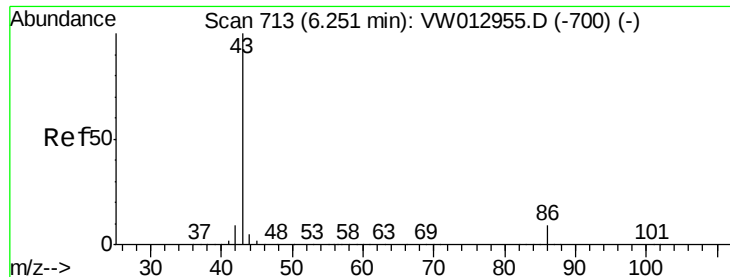
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 261.088 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tot Ion: 43 Resp: 1431867

Ion Ratio Lower Upper

43 100

86 9.4 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

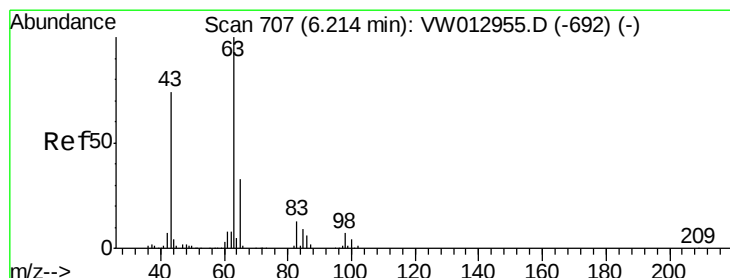
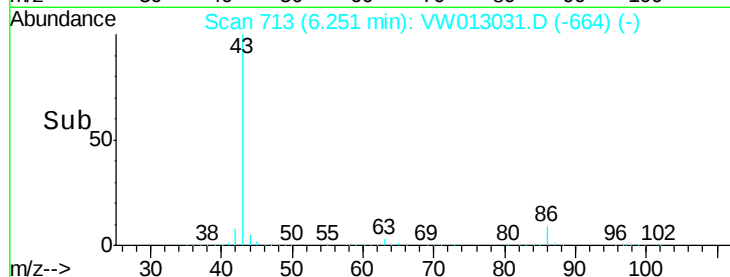
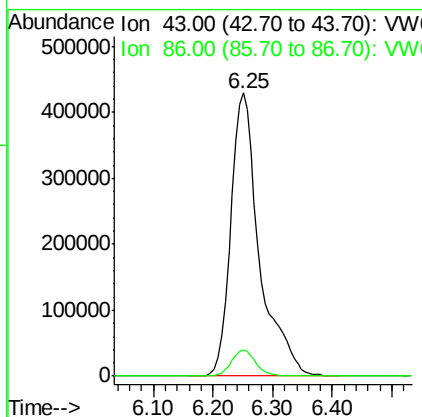
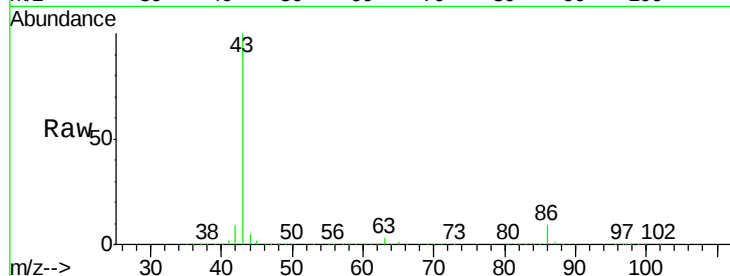
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 50.155 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

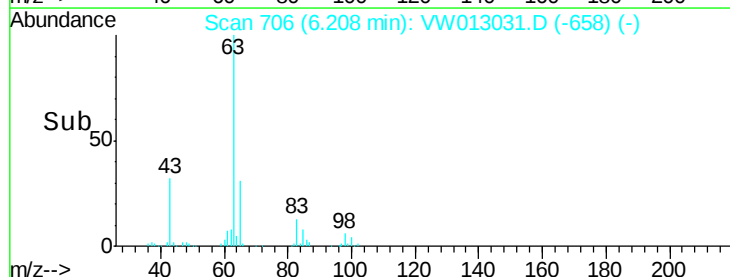
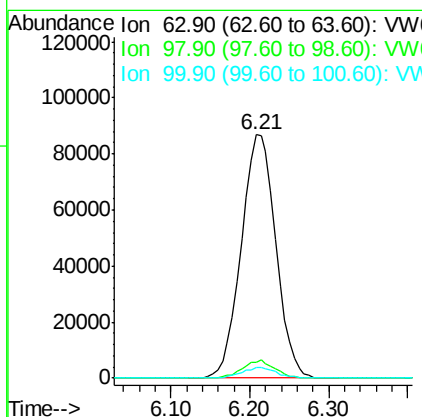
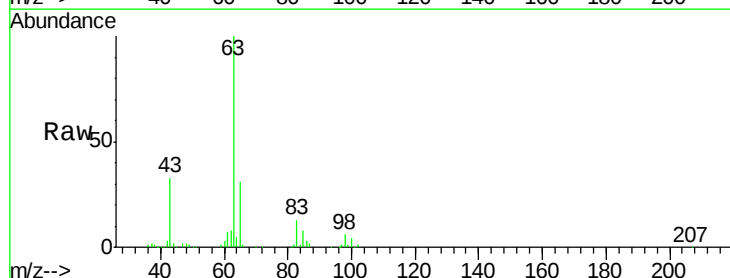
Tgt Ion: 63 Resp: 264789

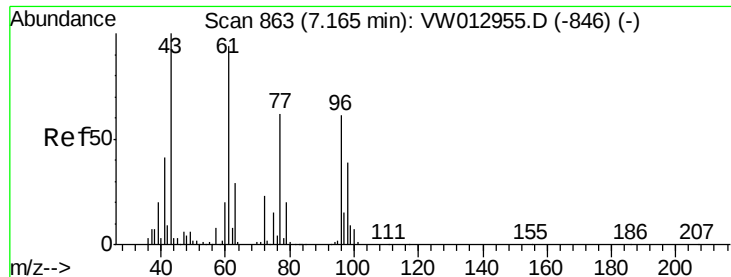
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.3 1.8 5.5





#25

2-Butanone

Concen: 249.705 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 246657

Ion Ratio Lower Upper

43 100

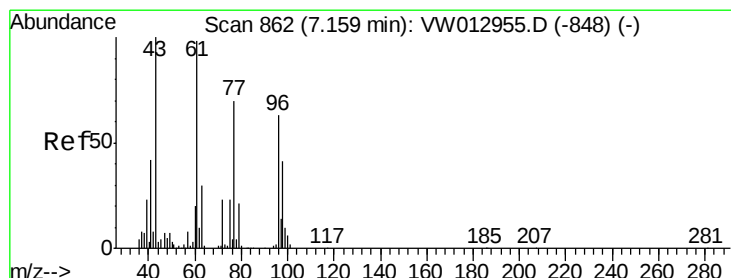
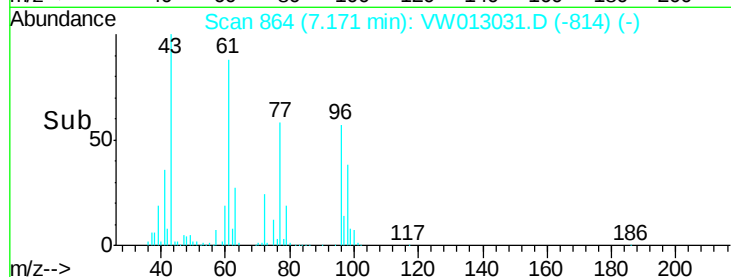
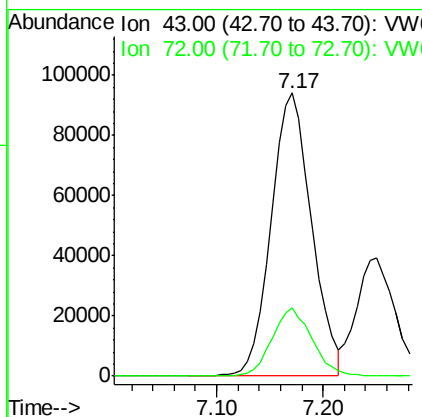
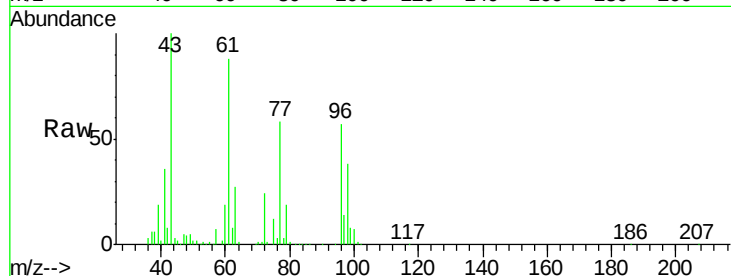
72 24.1 18.2 27.4

Manual Integrations

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MMDadoda

9/18/2019 2:00:44 PM



#26

2,2-Dichloropropane

Concen: 55.142 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013031.D

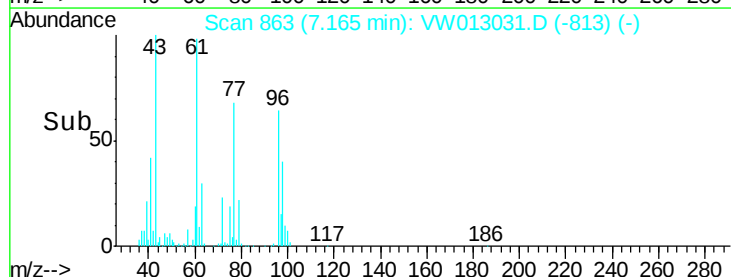
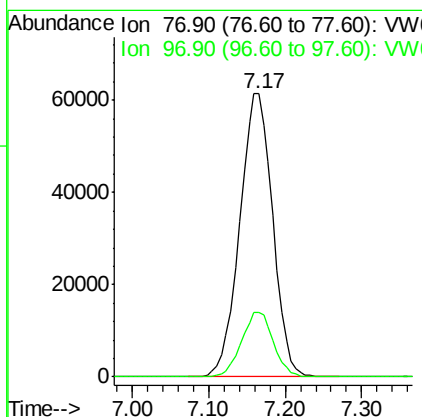
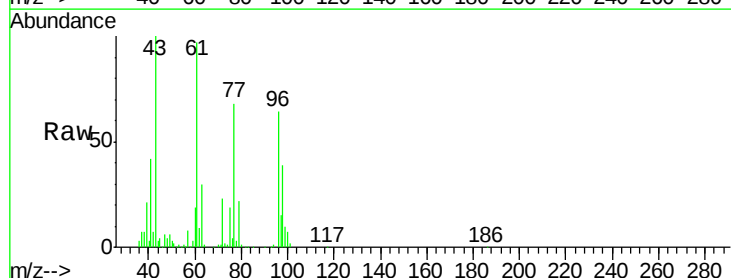
Acq: 16 Sep 2019 10:29

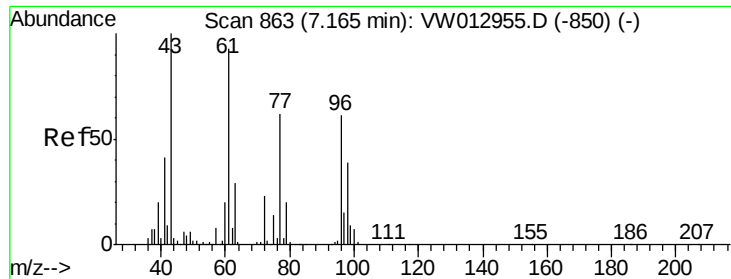
Tgt Ion: 77 Resp: 183257

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

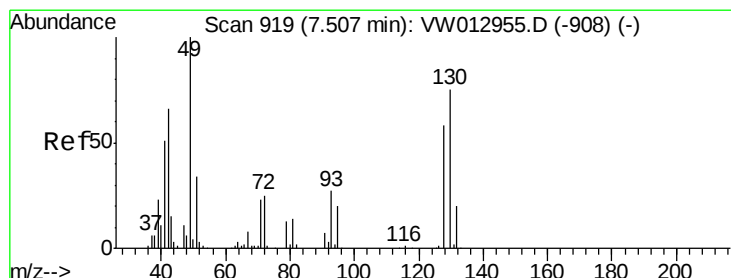
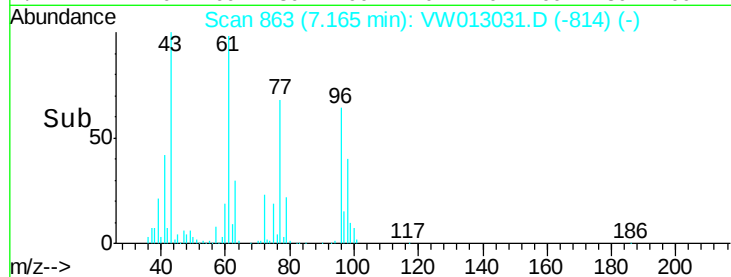
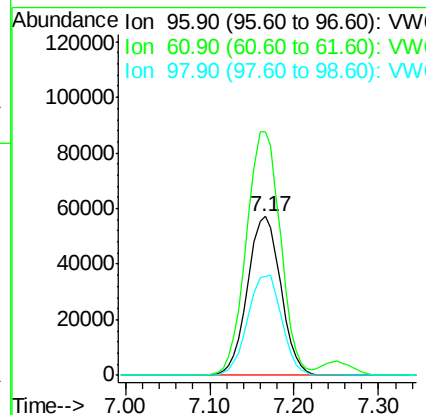
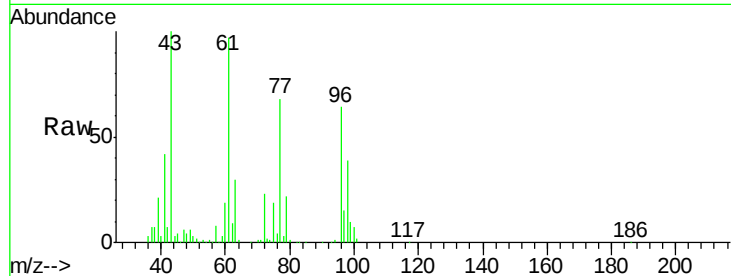
cis-1,2-Dichloroethene
Concen: 51.405 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.1	0.0	315.4	
98	64.3	0.0	131.0	

Manual Integrations
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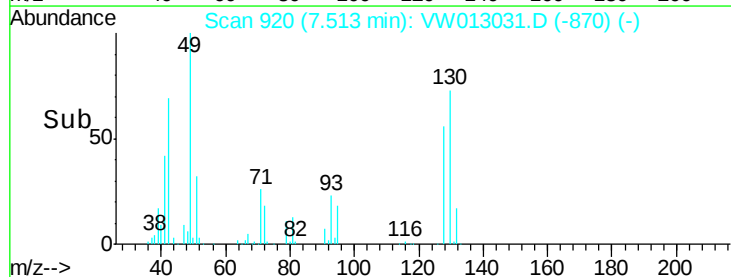
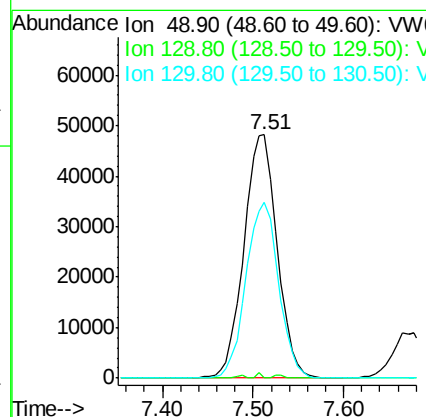
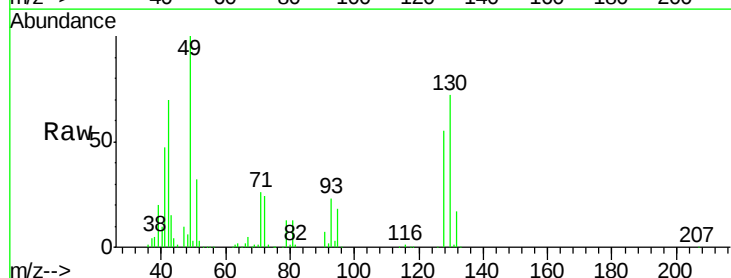
MMDadoda
9/18/2019 2:00:44 PM

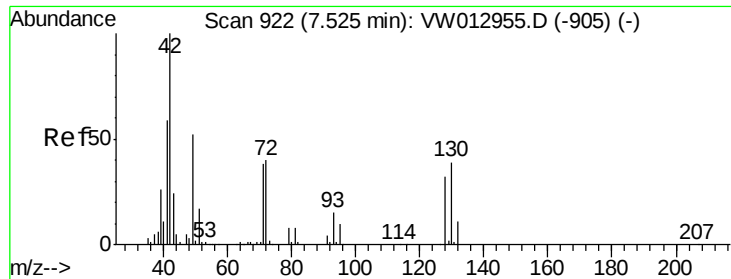


#28

Bromochloromethane
Concen: 55.065 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.3	0.0	1.4	
130	71.2	57.8	86.6	





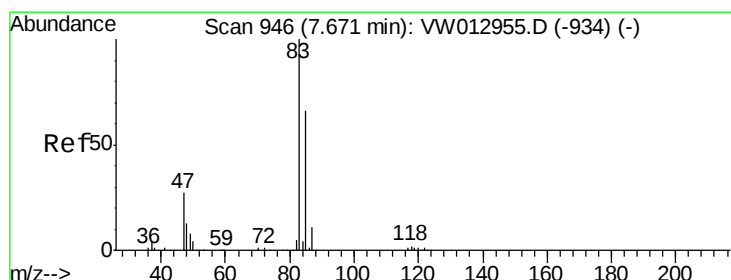
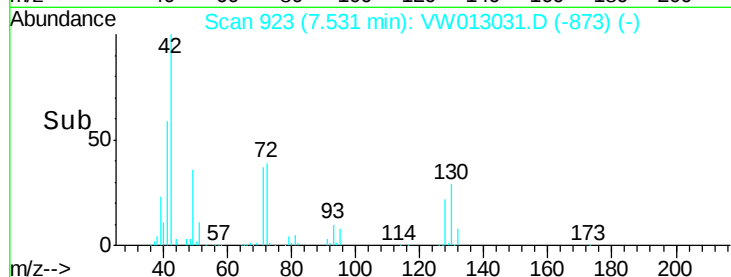
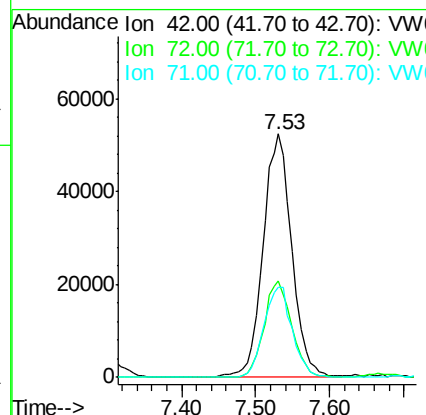
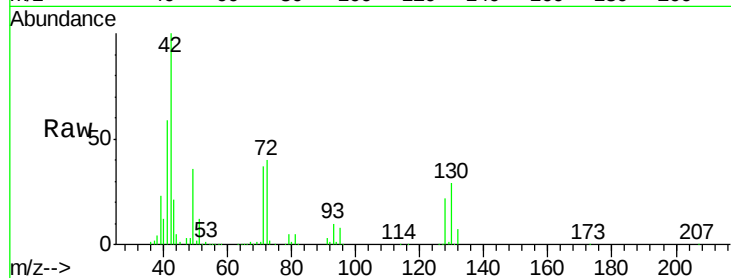
#29
Tetrahydrofuran
Concen: 250.507 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	31.4	47.0
71	36.9	29.8	44.8

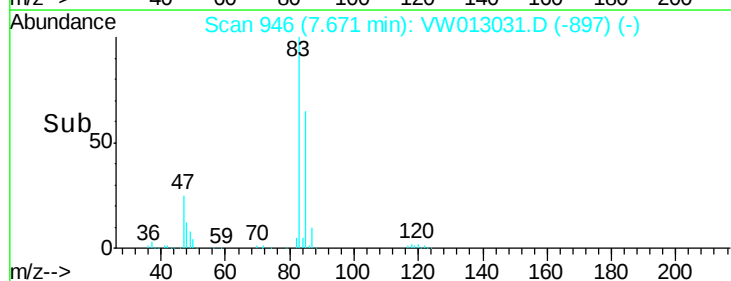
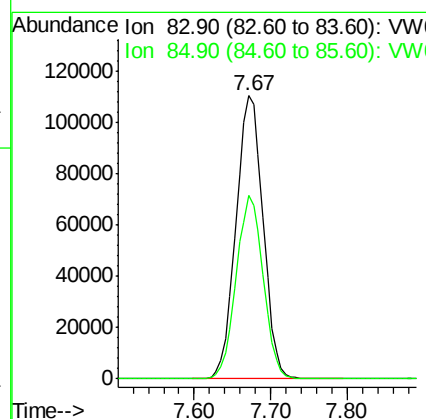
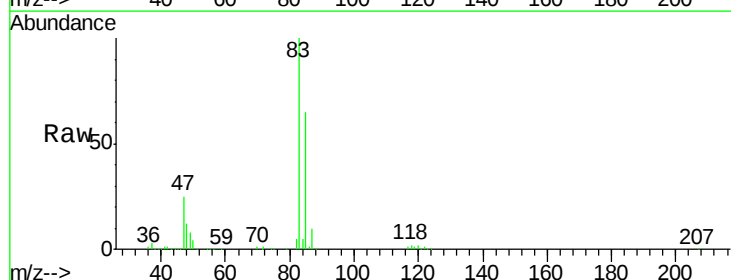
Manual Integrations
APPROVED

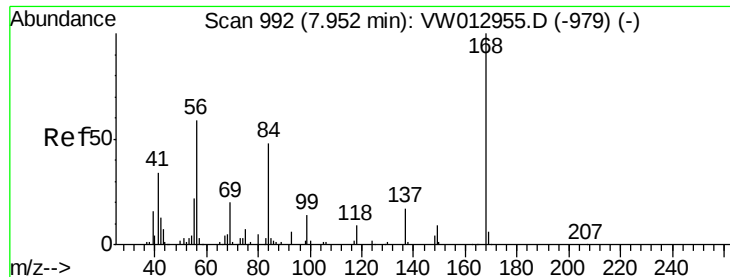
MMDadoda
9/18/2019 2:00:44 PM



#30
Chloroform
Concen: 50.299 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.8	79.2





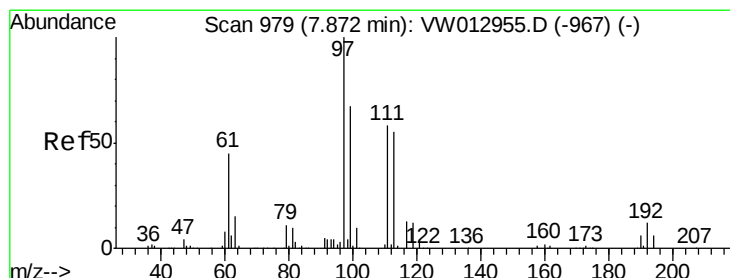
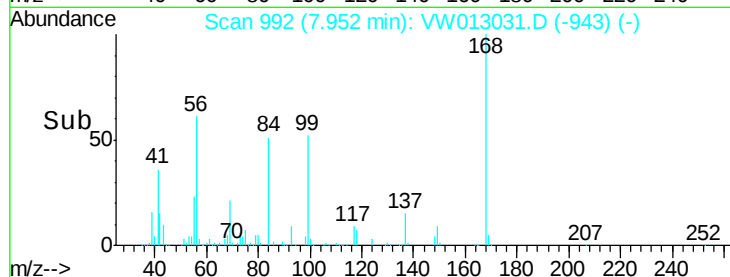
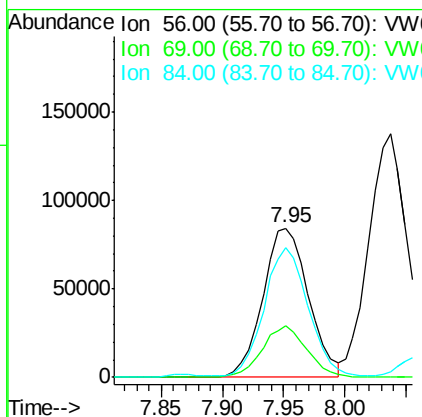
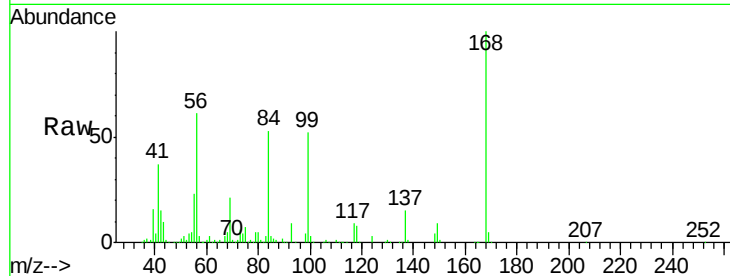
#31
Cyclohexane
Concen: 55.821 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	219262
Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.0	40.6
84	85.1	66.2	99.2

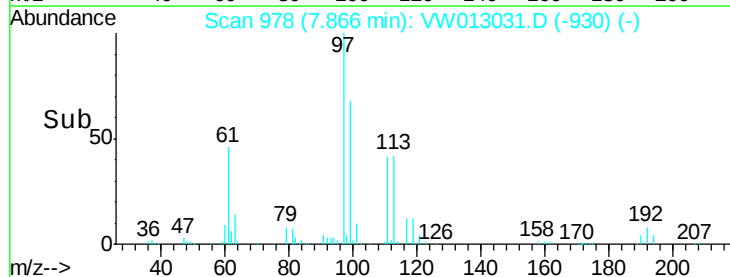
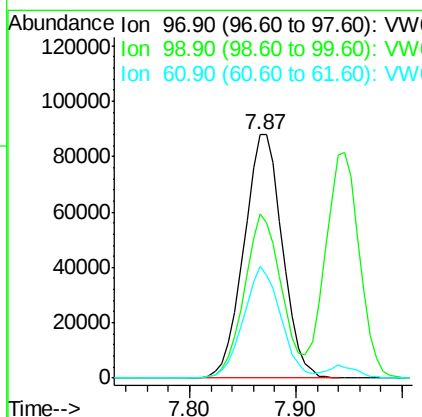
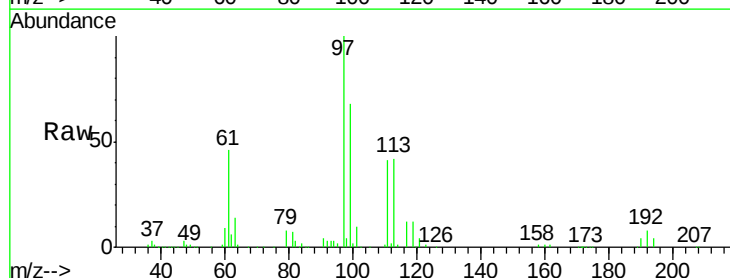
Manual Integrations
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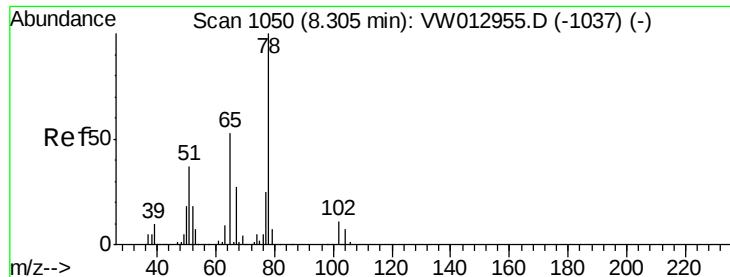
MMDadoda
9/18/2019 2:00:44 PM



#32
1,1,1-Trichloroethane
Concen: 50.473 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	97	Resp	222971
Ion	Ratio	Lower	Upper
97	100		
99	65.3	53.0	79.4
61	44.5	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 48.148 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 149573

Ion Ratio Lower Upper

65 100

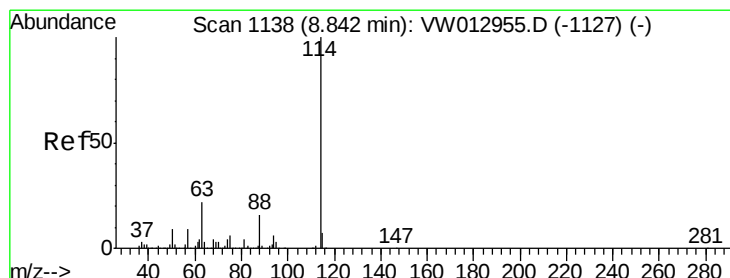
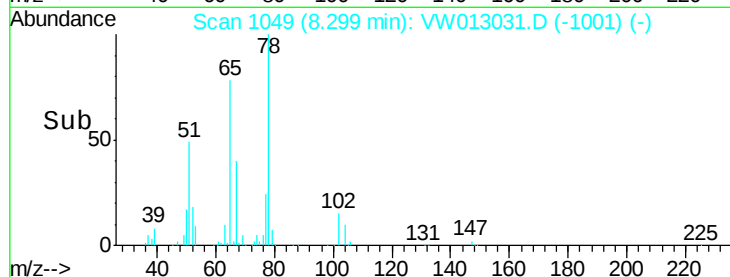
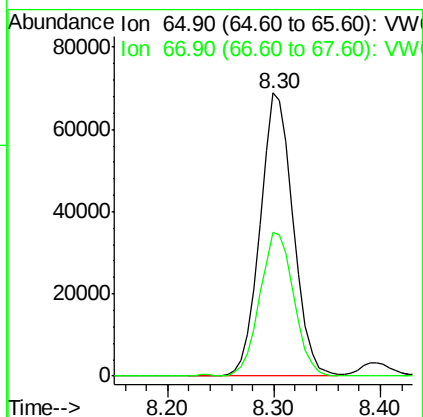
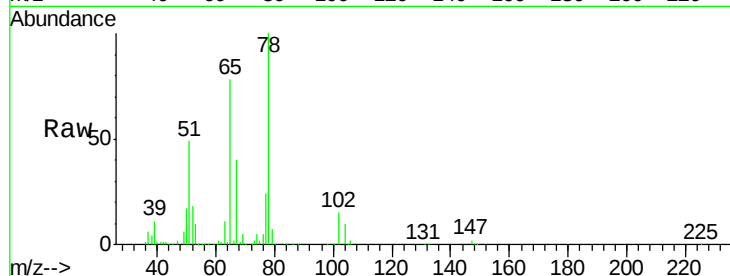
67 52.2 0.0 101.2

Manual Integrations

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9/18/2019 2:00:44 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

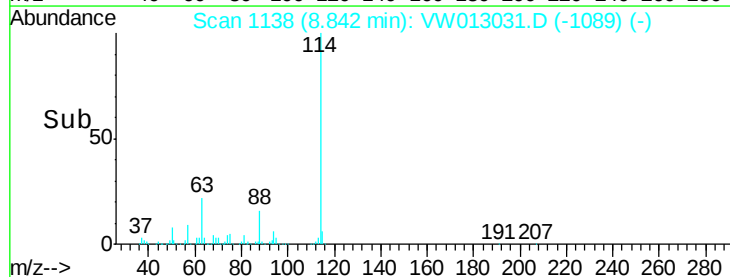
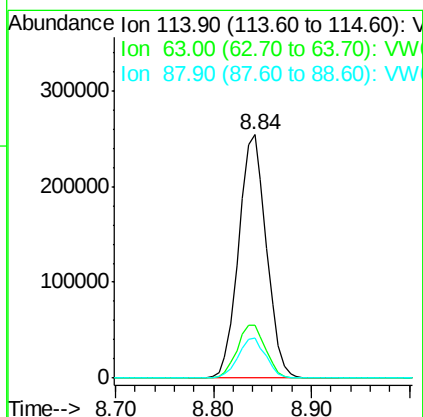
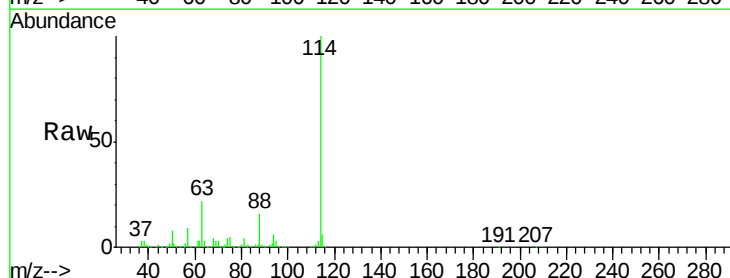
Tgt Ion: 114 Resp: 499592

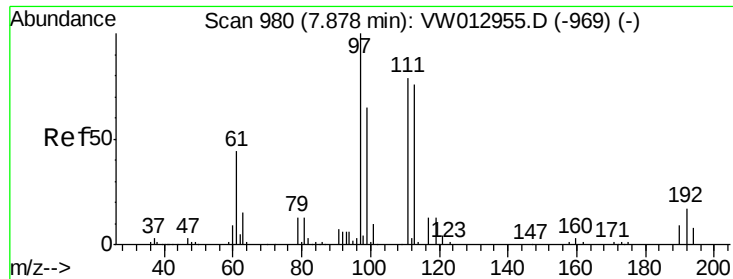
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 16.3 0.0 31.6





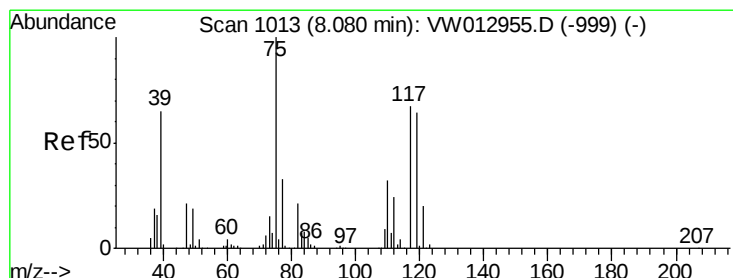
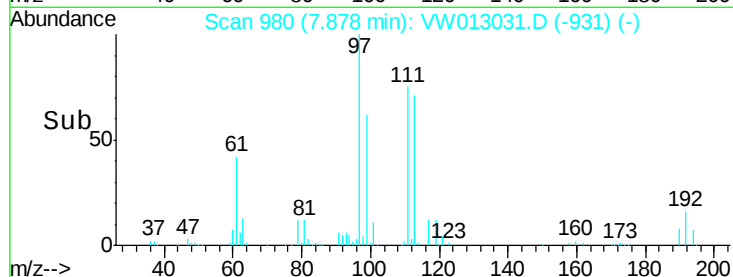
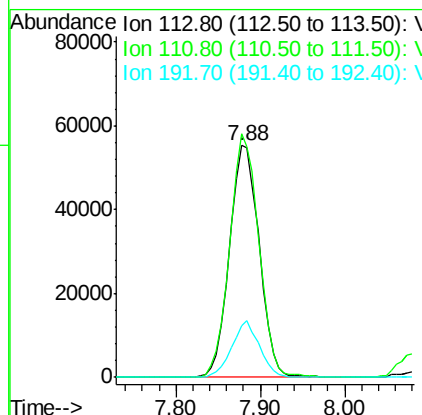
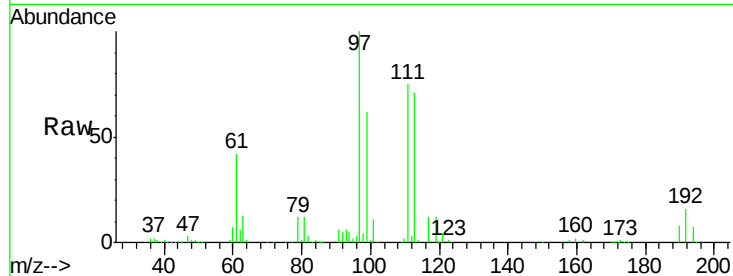
#35
 Dibromofluoromethane
 Concen: 48.865 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132465		
111	103.0	82.8	124.2	
192	22.6	17.8	26.8	

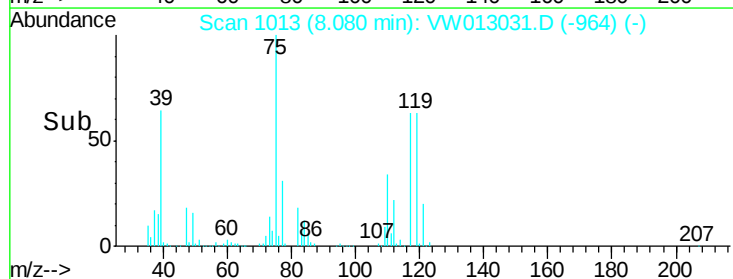
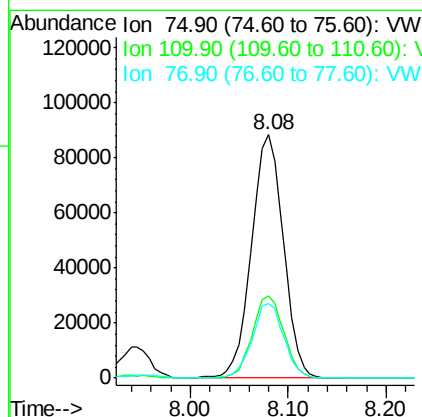
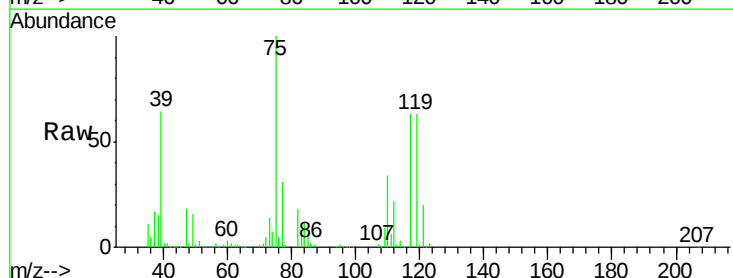
Manual Integrations
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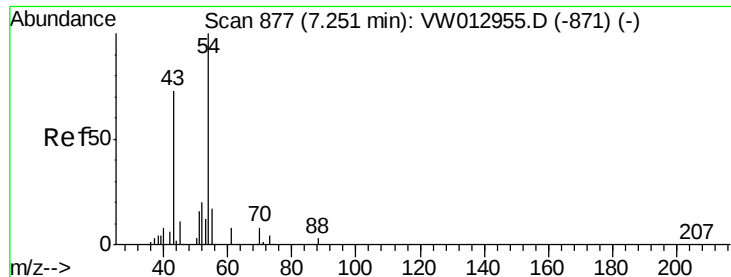
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#36
 1,1-Dichloropropene
 Concen: 50.376 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	201108		
110	33.4	16.4	49.1	
77	30.7	25.1	37.7	





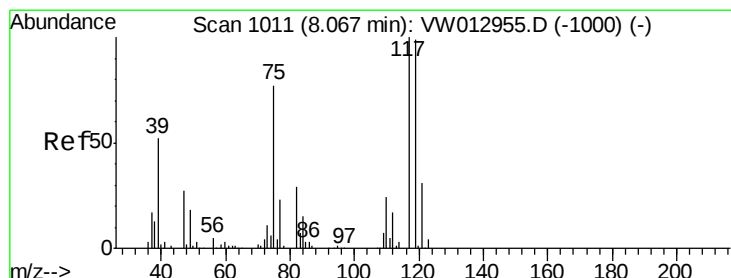
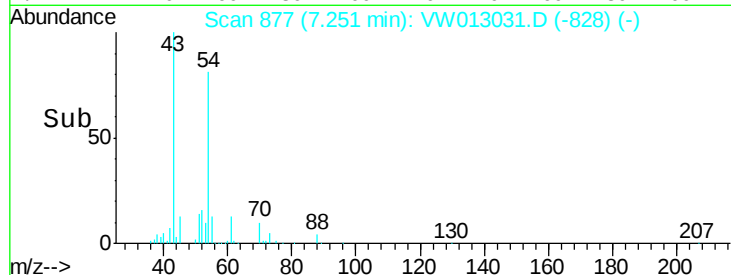
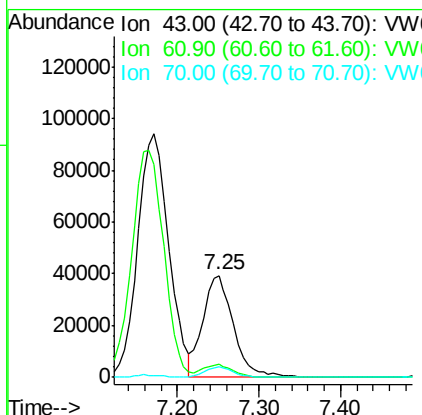
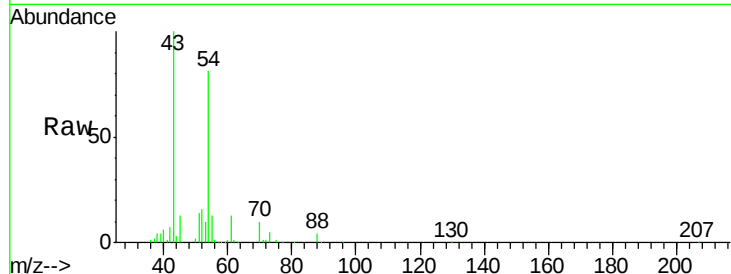
#37
Ethyl Acetate
Concen: 48.333 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.1	9.6	14.4	
70	9.9	7.6	11.4	

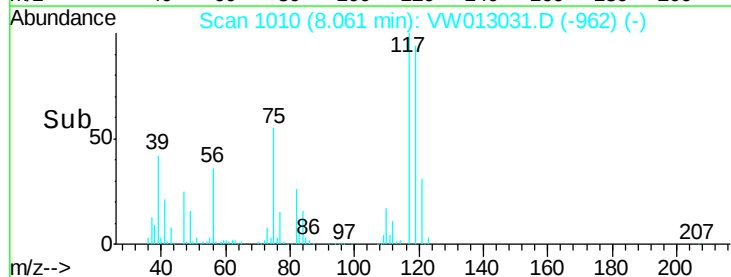
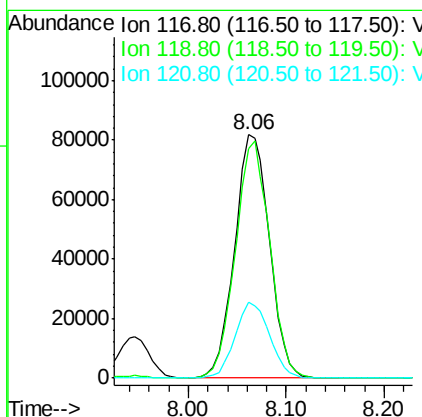
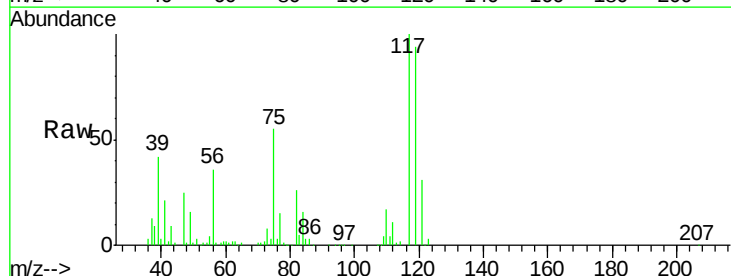
Manual Integrations
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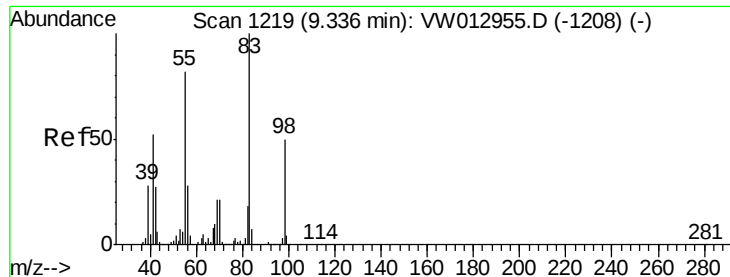
MMDadoda
9/18/2019 2:00:44 PM



#38
Carbon Tetrachloride
Concen: 49.505 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.1	79.4	119.0	
121	31.2	24.6	36.8	





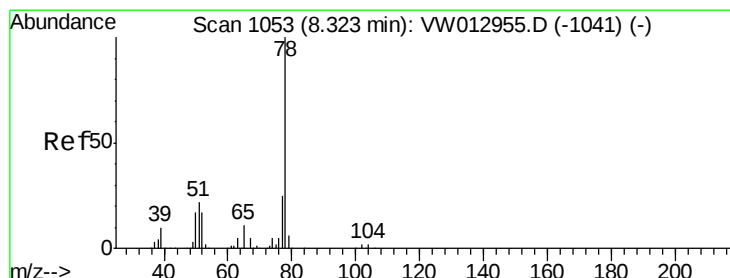
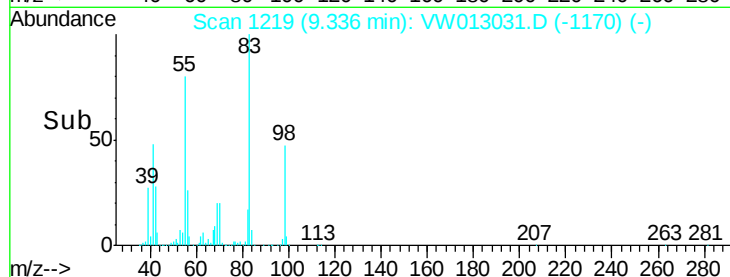
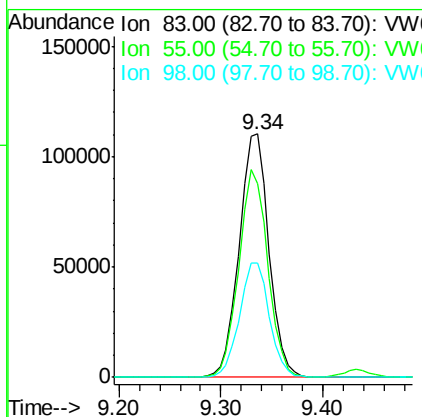
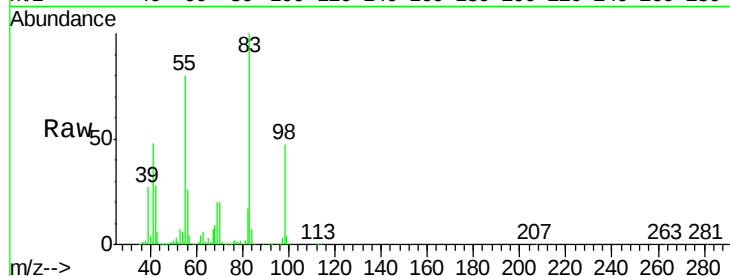
#39
Methvlcvclohexane
Concen: 51.067 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	223398		
55	79.7		65.9	98.9
98	47.0		39.6	59.4

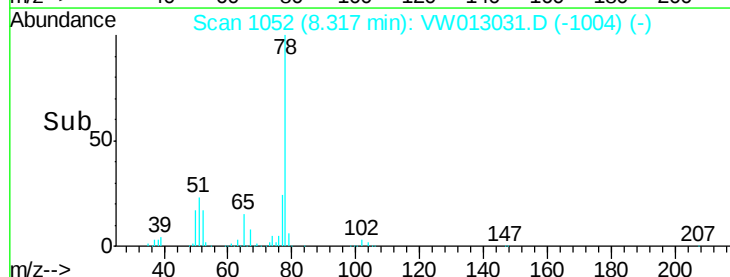
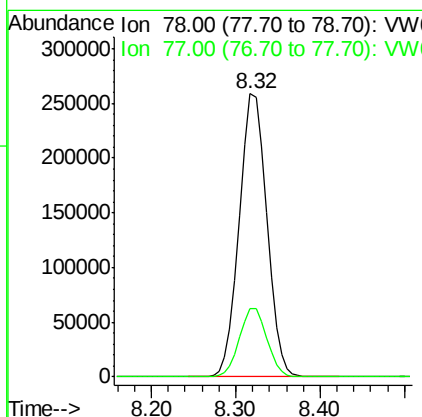
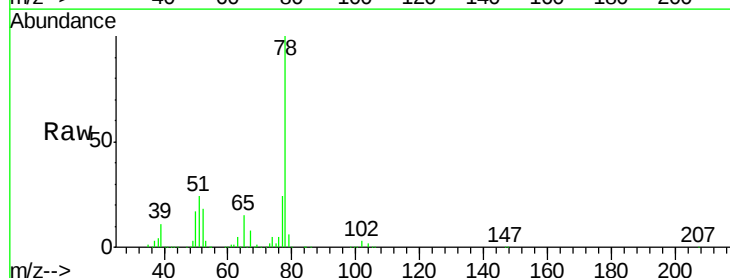
Manual Integrations
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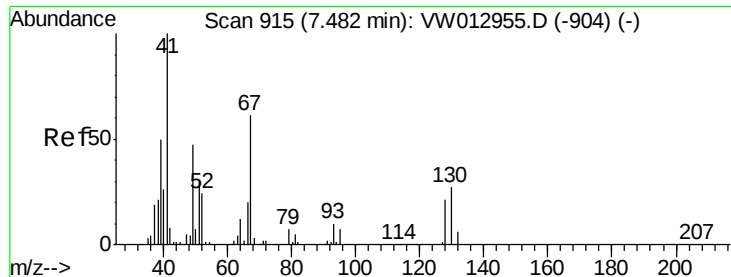
MMDadoda
9/18/2019 2:00:44 PM



#40
Benzene
Concen: 51.380 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	572622		
77	24.2		19.6	29.4





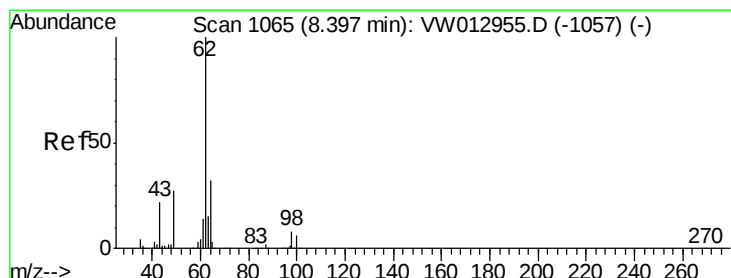
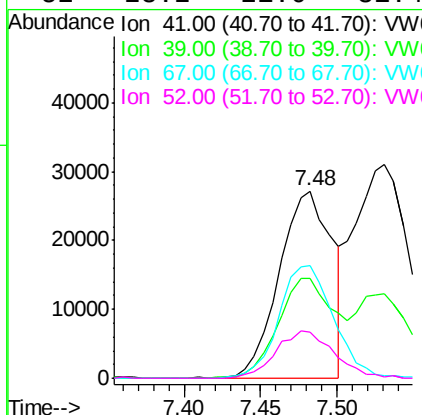
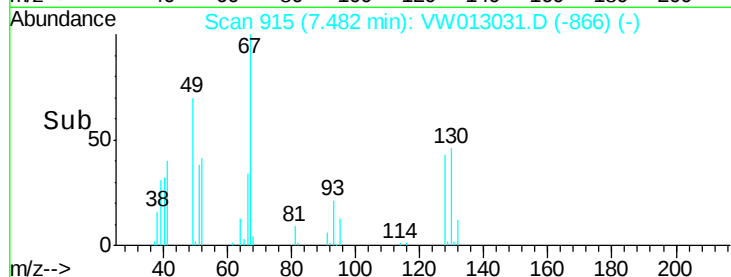
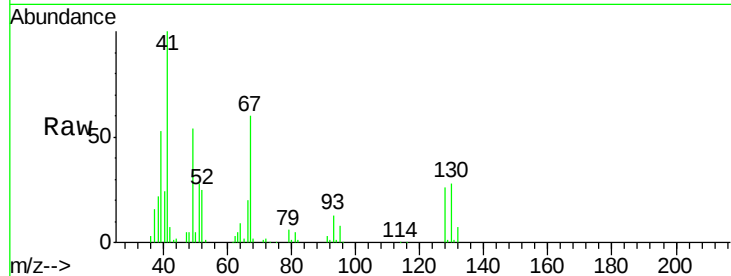
#41
Methacrylonitrile
Concen: 46.937 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		65497		
39	58.2	48.2	72.4		
67	62.6	47.5	71.3		
52	28.2	21.0	31.4		

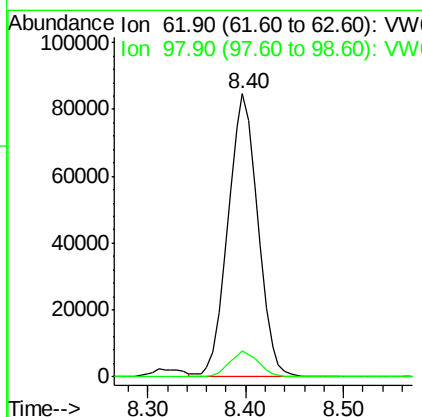
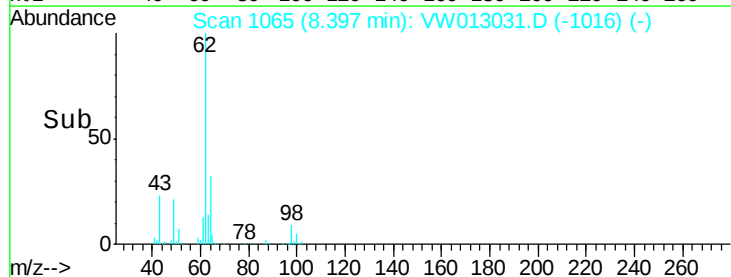
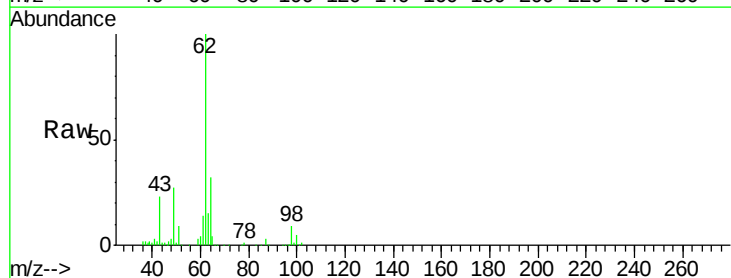
Manual Integrations
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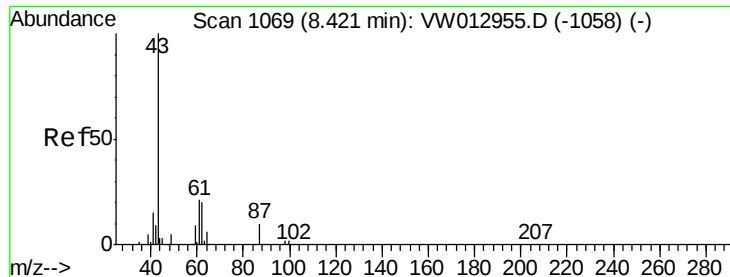
MMDadoda
9/18/2019 2:00:44 PM



#42
1,2-Dichloroethane
Concen: 47.947 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		179129		
98	9.0	0.0	16.8		





#43

Isopropyl Acetate

Concen: 50.726 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

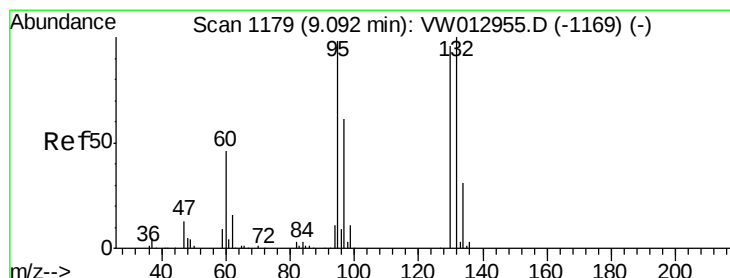
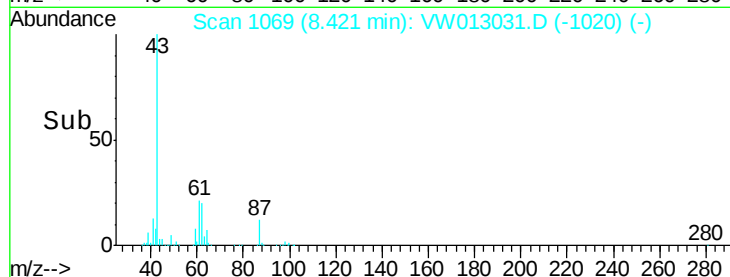
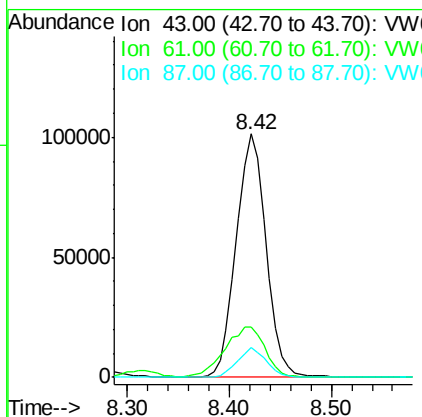
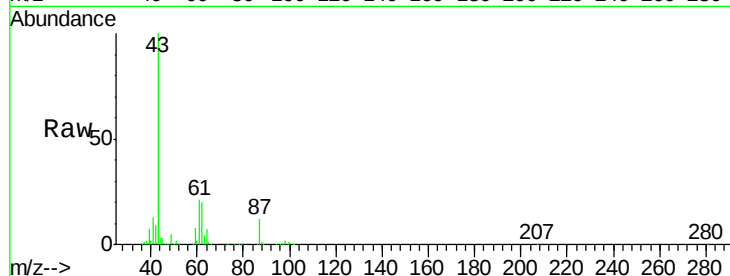
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	206382
Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.7	34.1
87	11.7	9.4	14.2

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#44

Trichloroethene

Concen: 49.228 ug/l

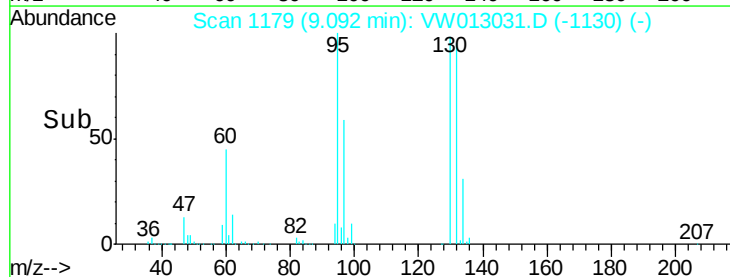
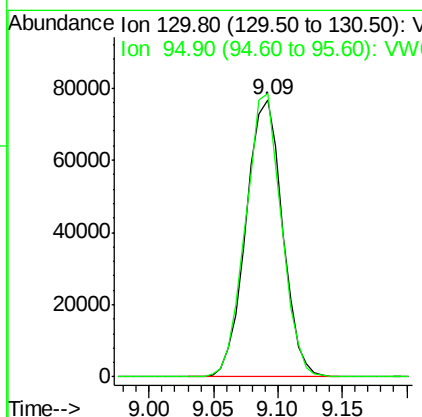
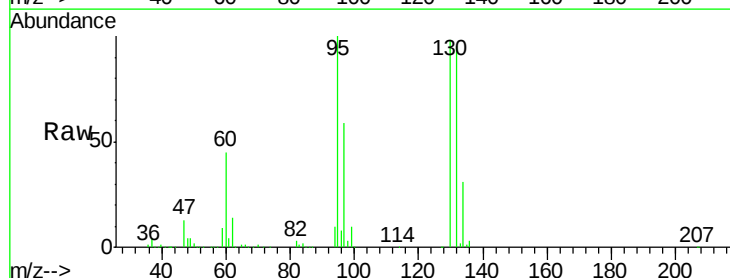
RT: 9.09 min Scan# 1179

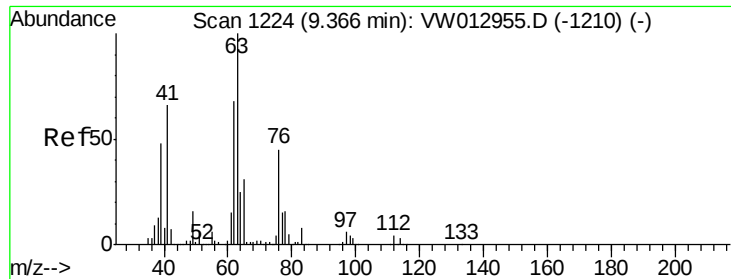
Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion:	130	Resp:	150276
Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	204.4





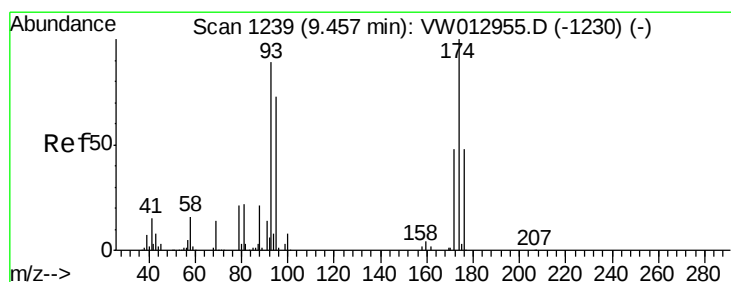
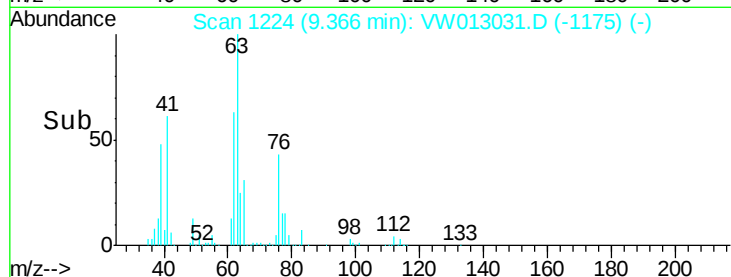
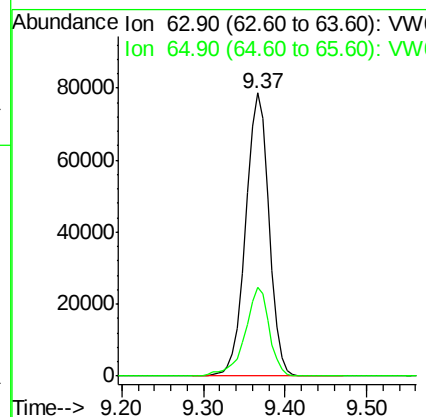
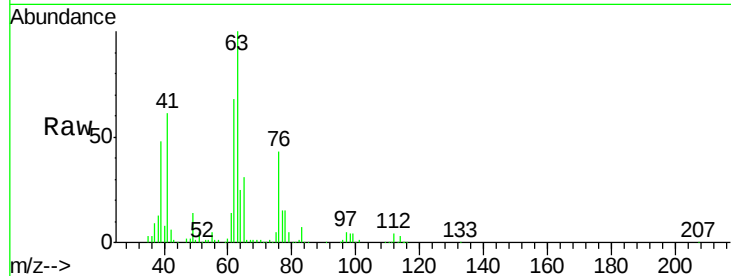
#45
 1,2-Dichloropropane
 Concen: 52.483 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 155404
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0

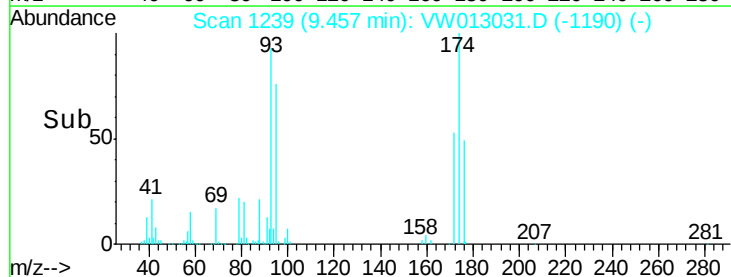
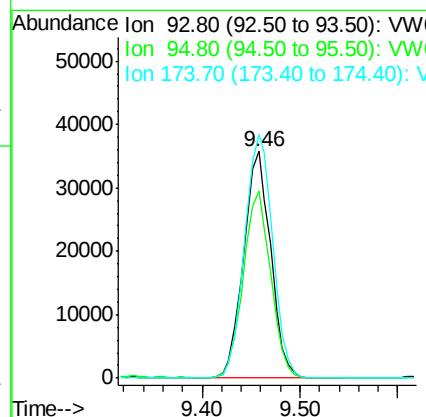
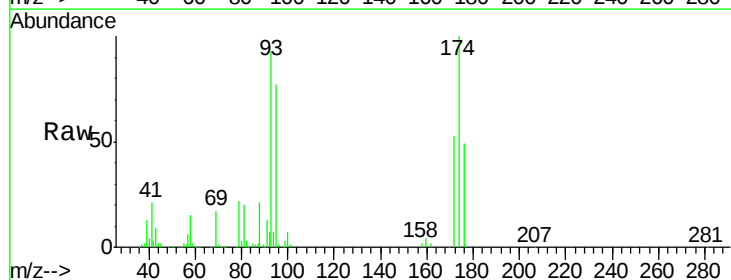
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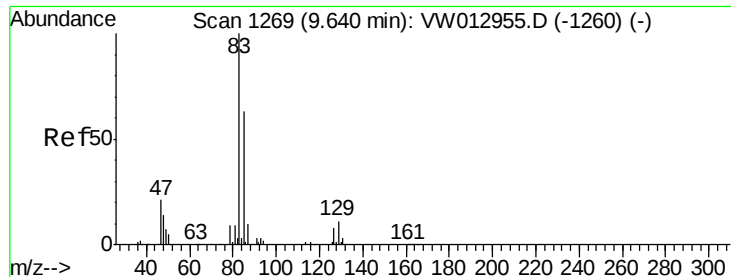
MMDadoda
 9/18/2019 2:00:44 PM



#46
 Dibromomethane
 Concen: 48.572 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion: 93 Resp: 68905
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.4
 174 110.9 90.5 135.7





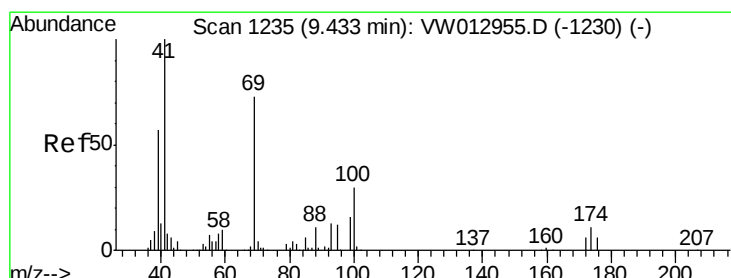
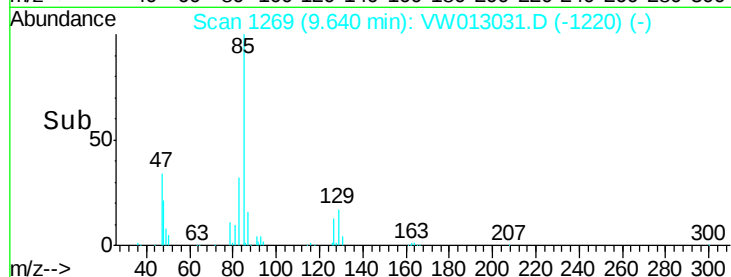
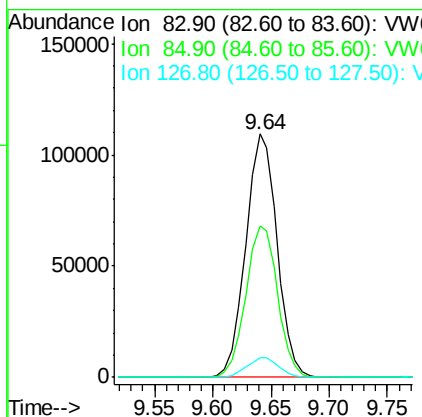
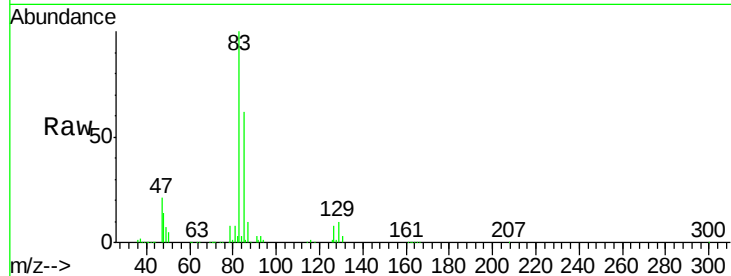
#47
Bromodichloromethane
Concen: 51.712 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.6	75.8
127	7.9	6.7	10.1

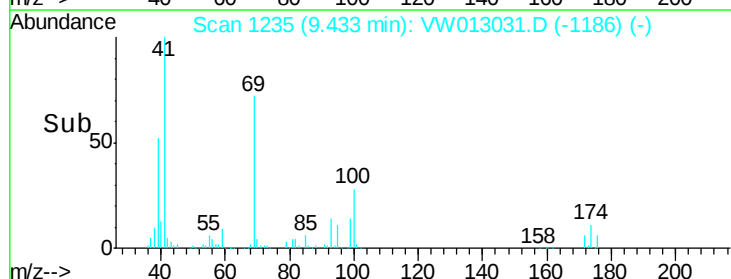
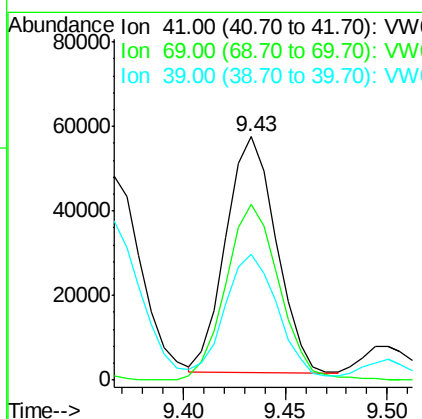
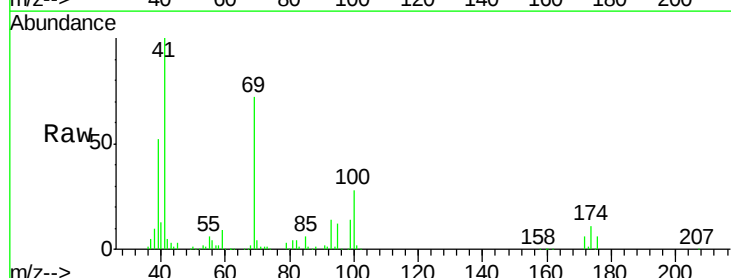
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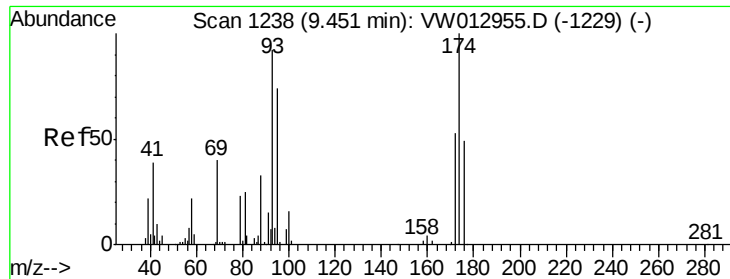
MMDadoda
9/18/2019 2:00:44 PM



#48
Methyl methacrylate
Concen: 49.906 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.6	62.8	94.2
39	56.8	48.5	72.7





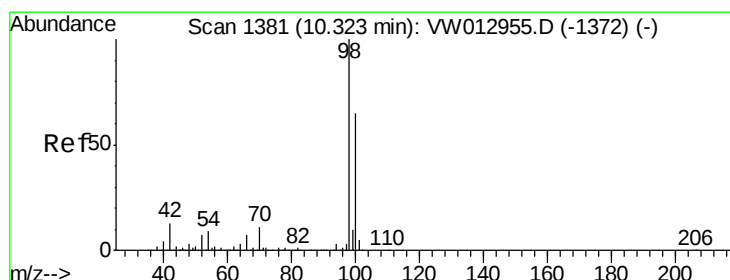
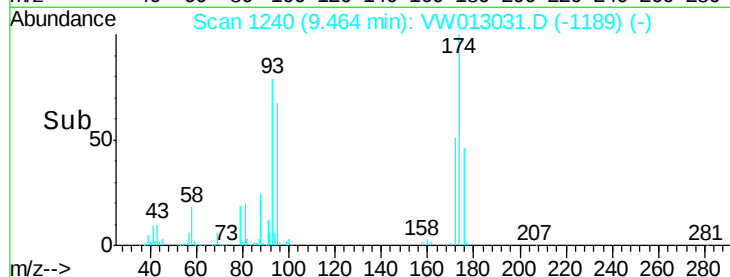
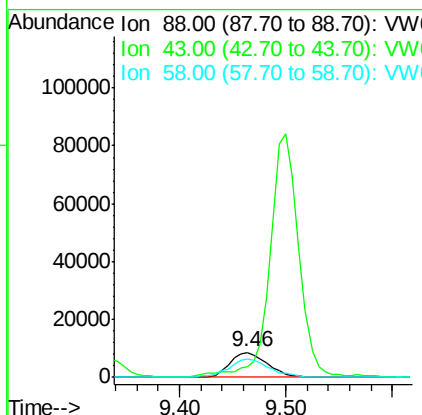
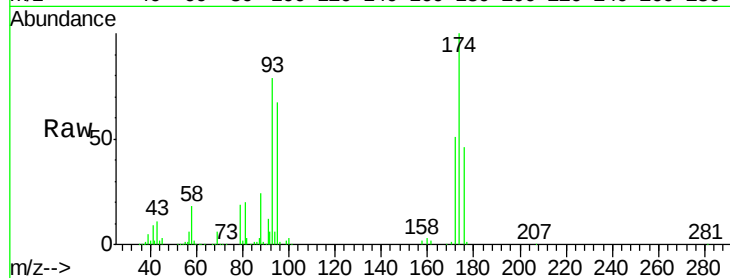
#49
1,4-Dioxane
Concen: 910.197 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	21636
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	79.9	60.2	90.2

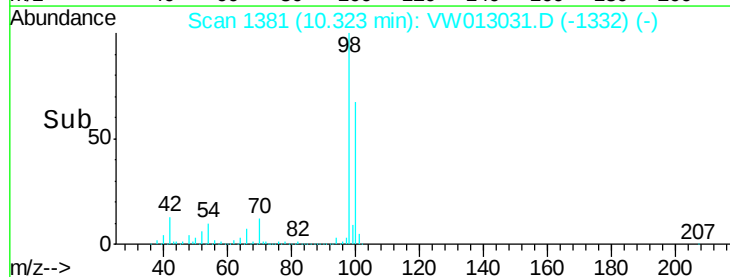
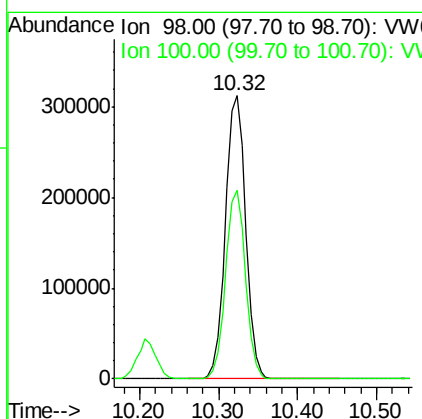
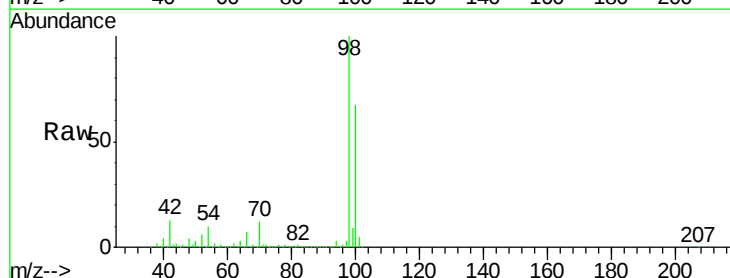
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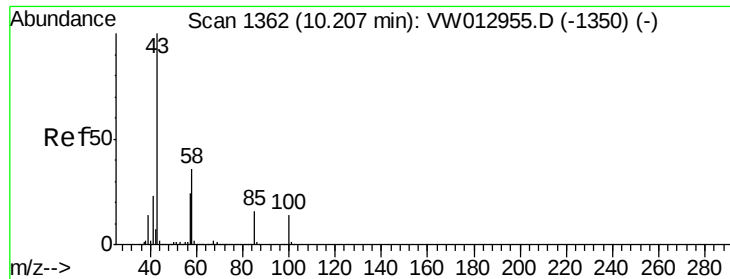
MMDadoda
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#50
Toluene-d8
Concen: 52.378 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	98	Resp	555616
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





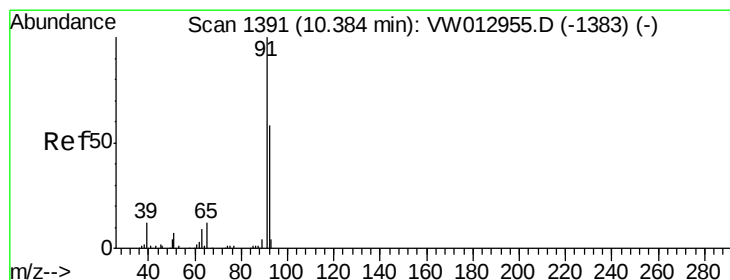
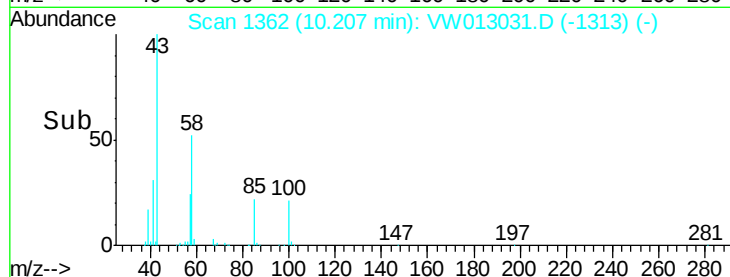
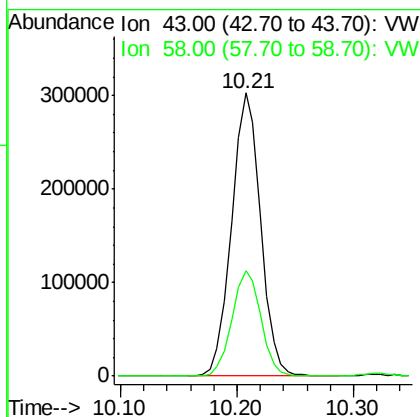
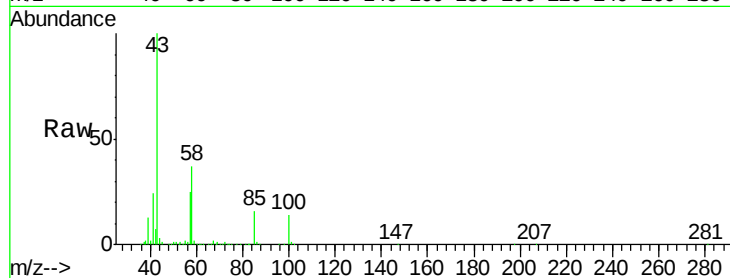
#51
4-Methyl-2-Pentanone
Concen: 249.305 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	523664
Ion Ratio	100	Lower	Upper
43	100		
58	37.2	29.5	44.3

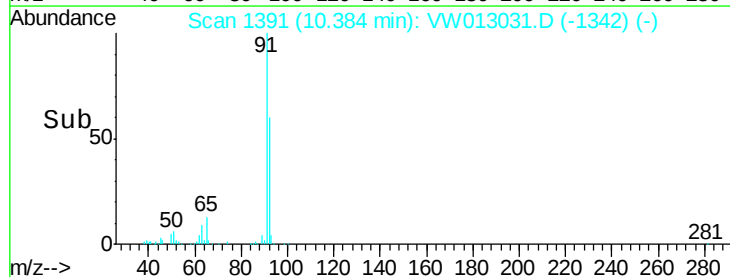
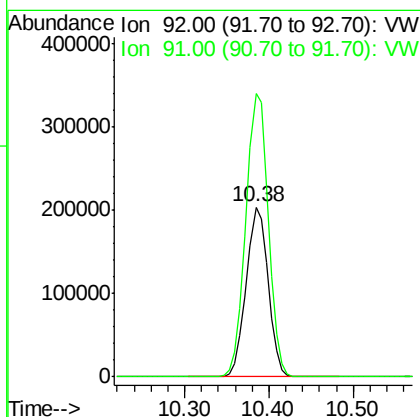
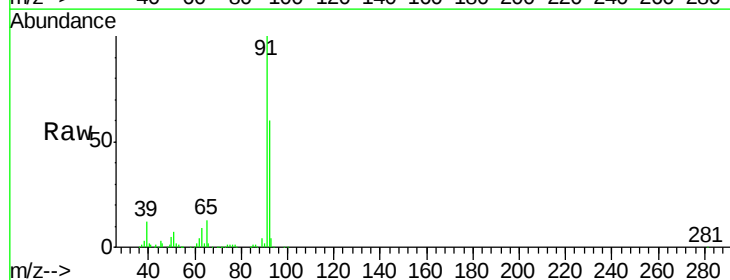
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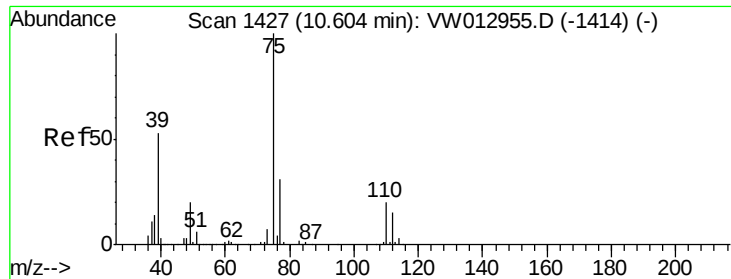
MMDadoda
9/18/2019 2:00:44 PM



#52
Toluene
Concen: 50.037 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	92	Resp	354353
Ion Ratio	100	Lower	Upper
92	100		
91	170.8	137.5	206.3





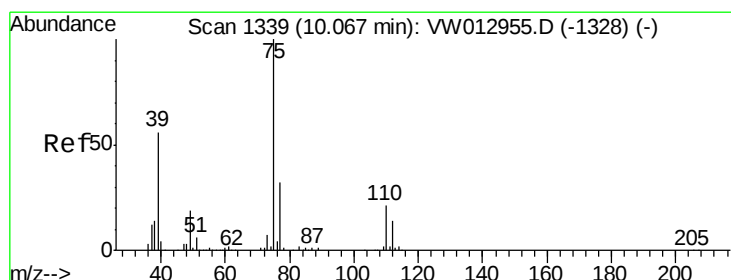
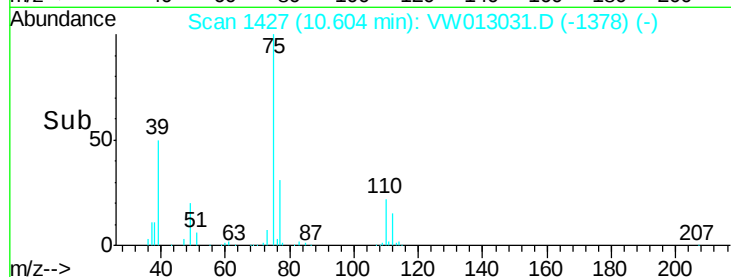
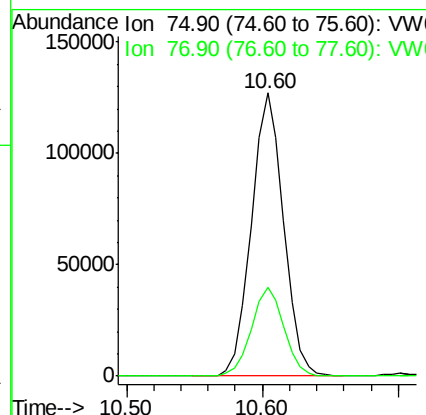
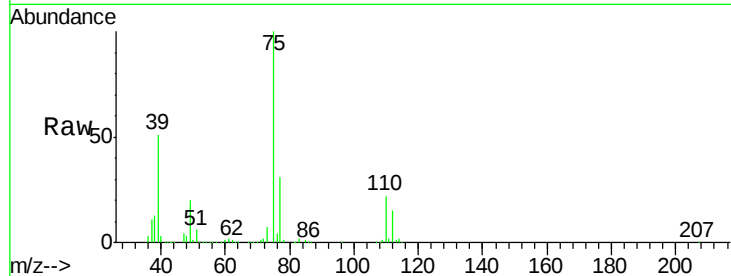
#53
t-1,3-Dichloropropene
Concen: 52.467 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 209973
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0

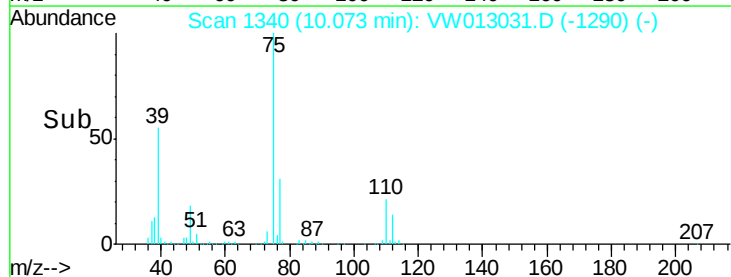
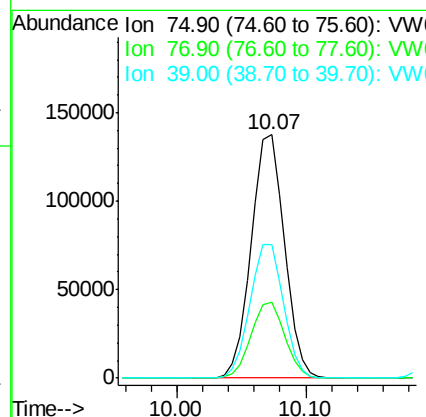
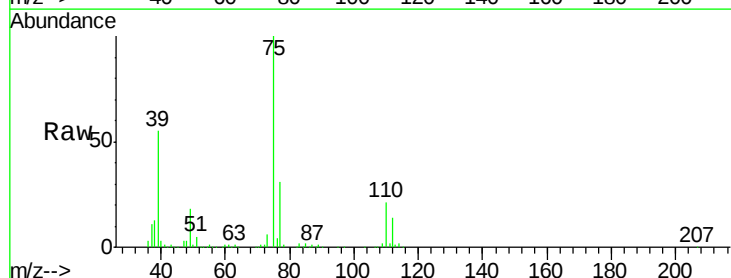
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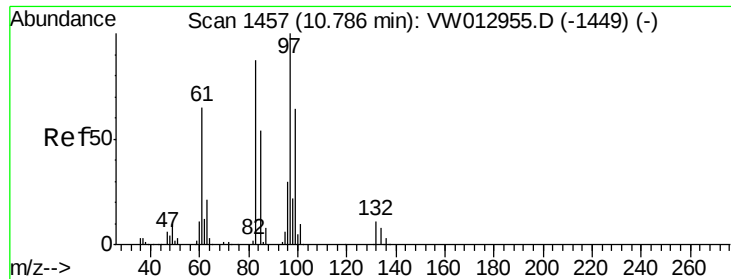
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#54
cis-1,3-Dichloropropene
Concen: 53.549 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion: 75 Resp: 245203
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 55.0 45.0 67.6





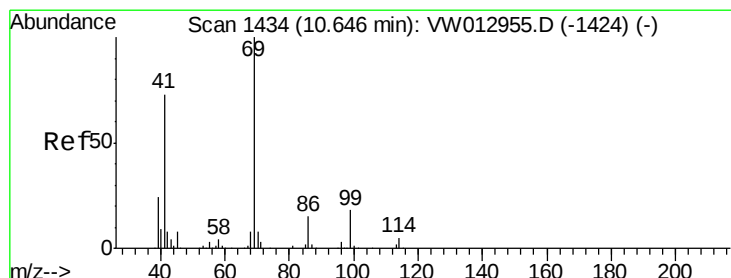
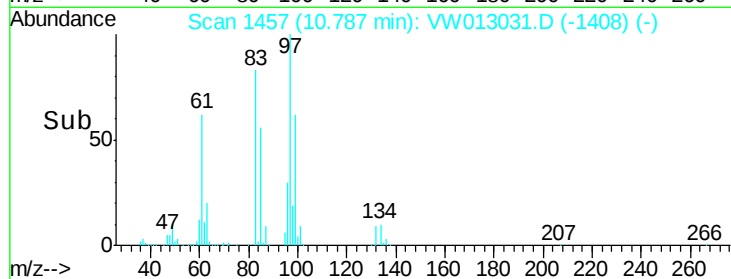
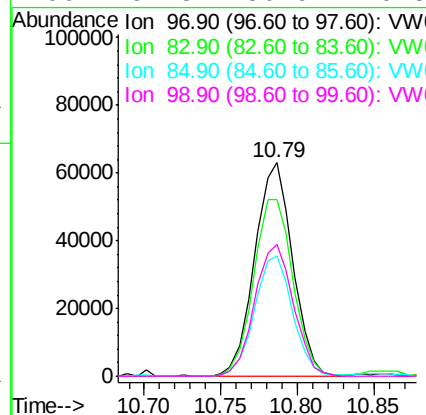
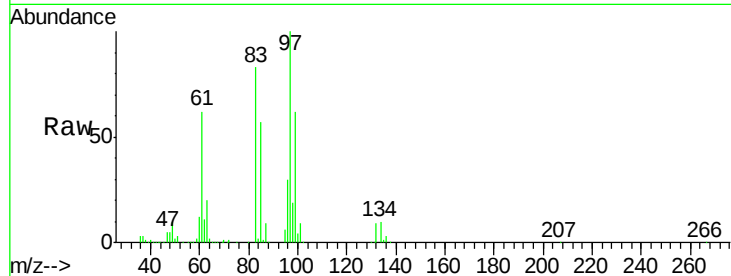
#55
 1,1,2-Trichloroethane
 Concen: 50.438 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	109003
Ion	Ratio	Lower	Upper
97	100		
83	82.8	69.4	104.0
85	56.5	43.3	64.9
99	61.8	50.9	76.3

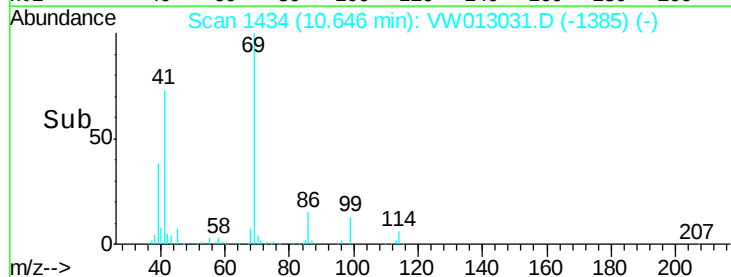
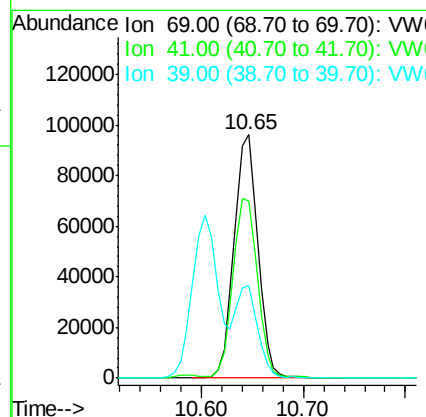
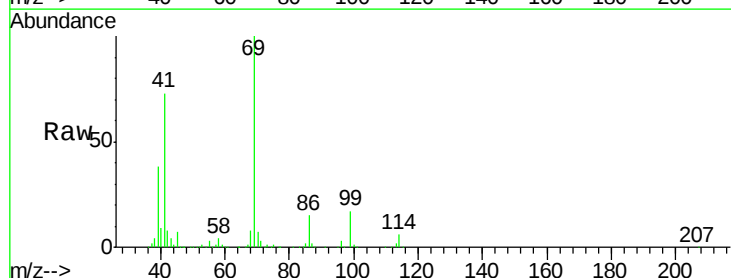
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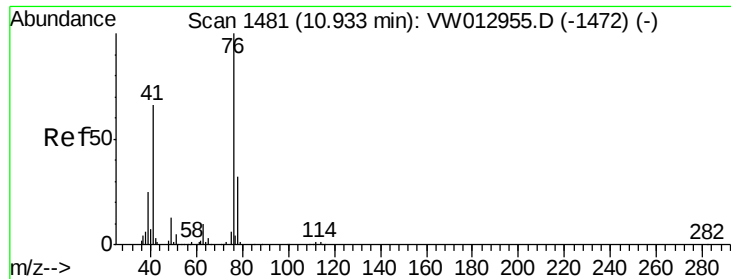
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 9/18/2019 2:00:44 PM



#56
 Ethyl methacrylate
 Concen: 53.377 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion:	69	Resp:	155269
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.8	91.2
39	34.3	29.4	44.0





#57

1,3-Dichloropropane

Concen: 51.296 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 196650

Ion Ratio Lower Upper

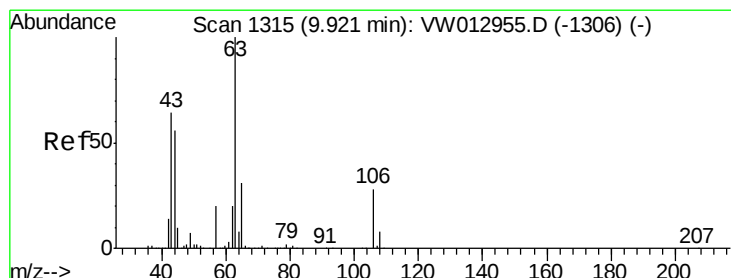
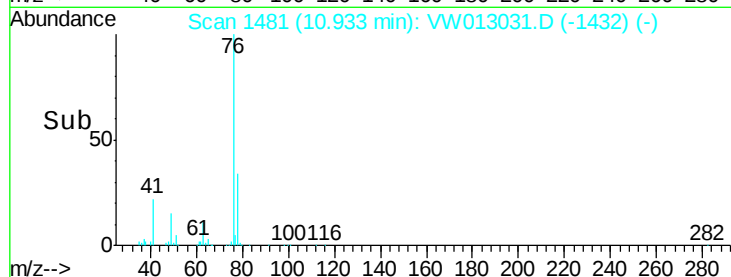
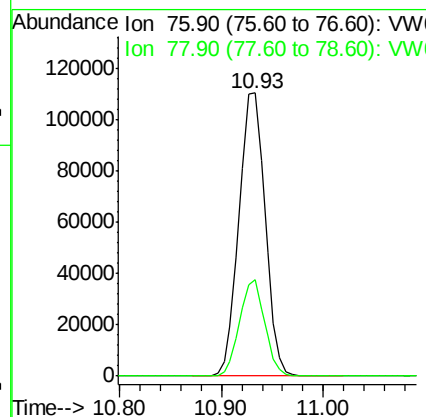
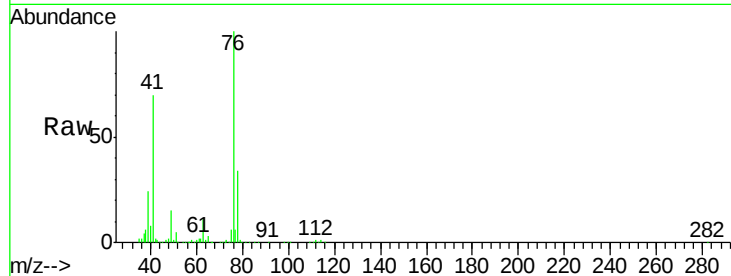
76 100

78 32.5 25.6 38.4

Manual Integrations
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MMDadoda

9/18/2019 2:00:44 PM



#58

2-Chloroethyl Vinyl ether

Concen: 250.137 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013031.D

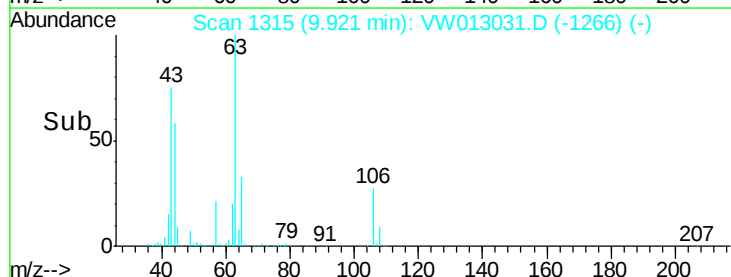
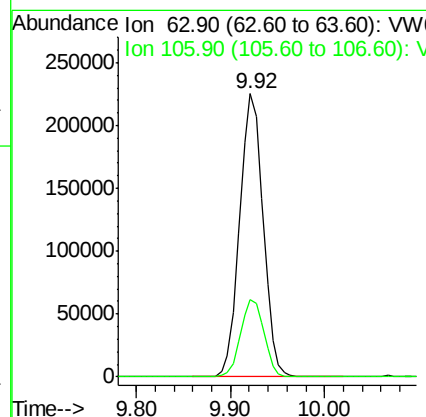
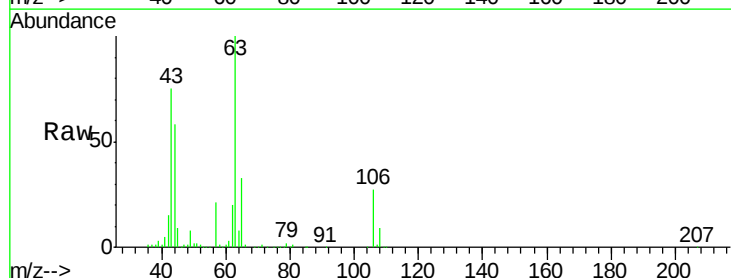
Acq: 16 Sep 2019 10:29

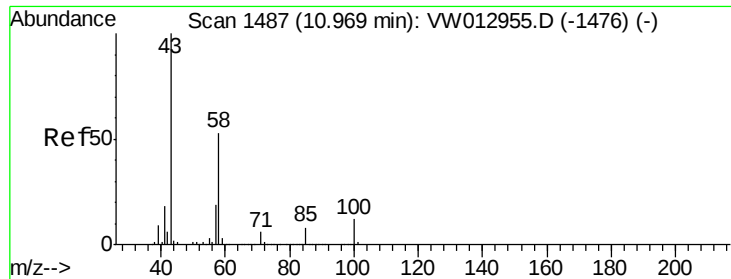
Tgt Ion: 63 Resp: 390320

Ion Ratio Lower Upper

63 100

106 27.4 22.2 33.2





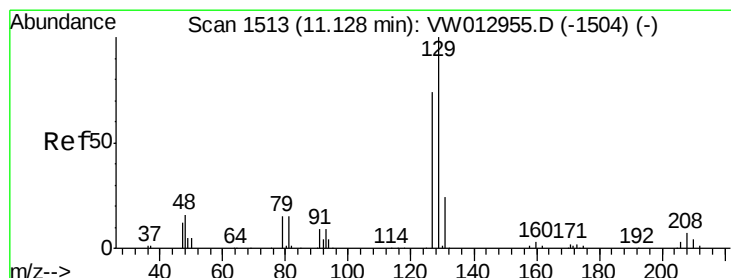
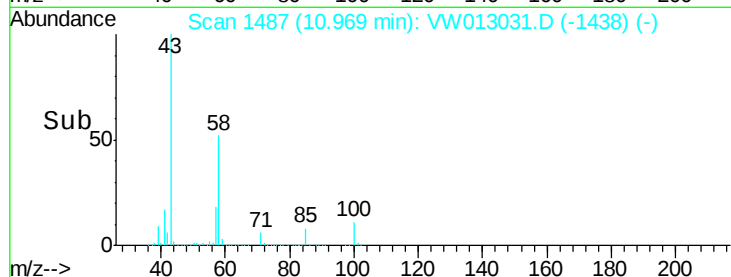
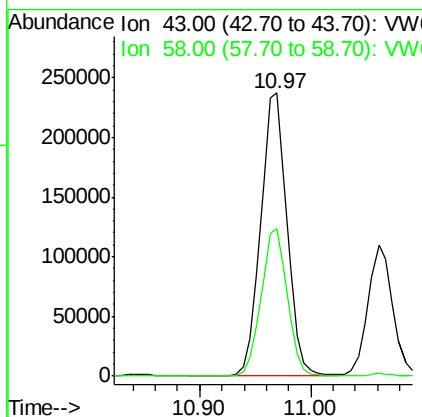
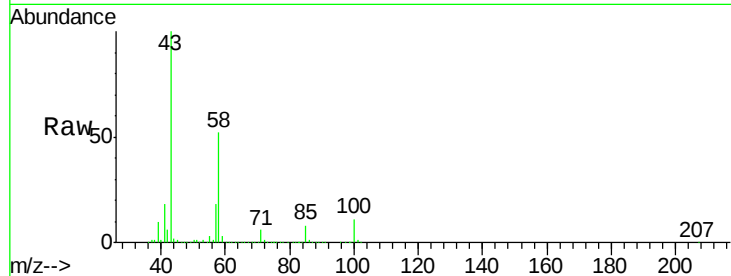
#59
2-Hexanone
Concen: 268.447 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 392630
Ion Ratio Lower Upper
43 100
58 51.7 25.8 77.3

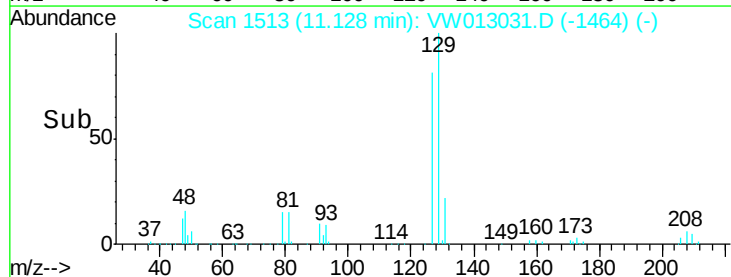
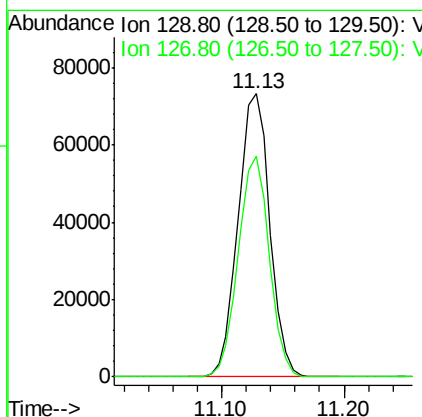
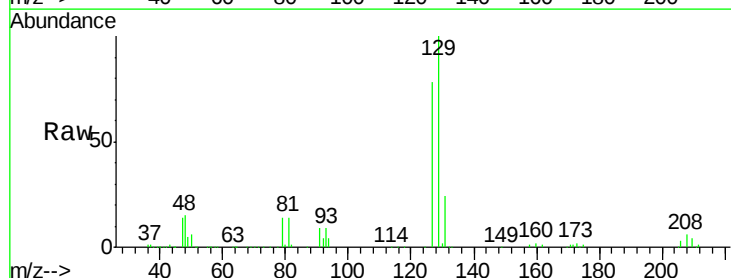
Manual Integrations
APPROVED

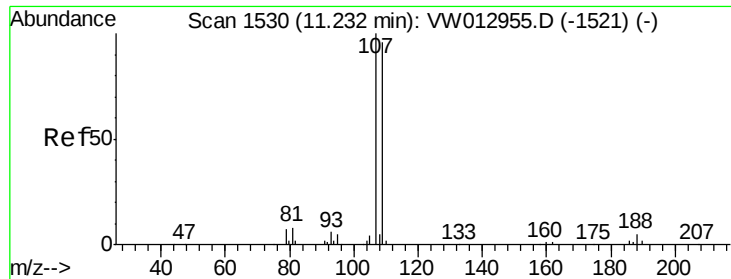
MMDadoda
9/18/2019 2:00:44 PM



#60
Dibromochloromethane
Concen: 50.295 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion: 129 Resp: 131410
Ion Ratio Lower Upper
129 100
127 76.5 37.4 112.2





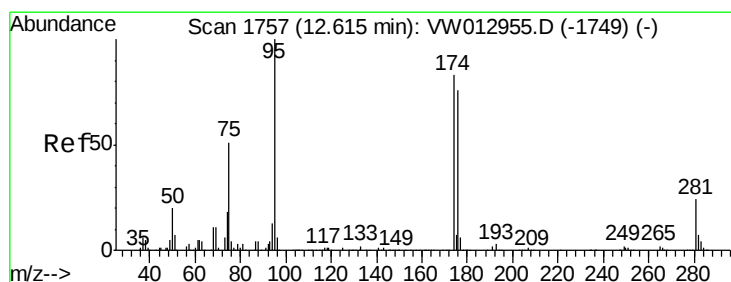
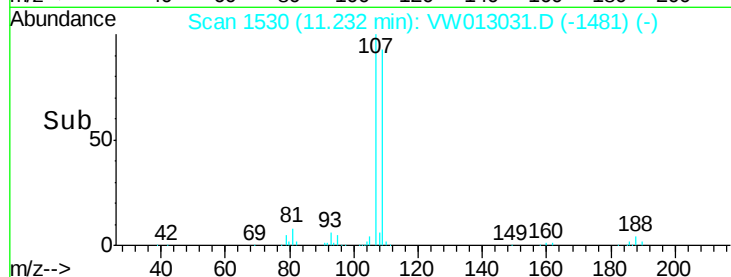
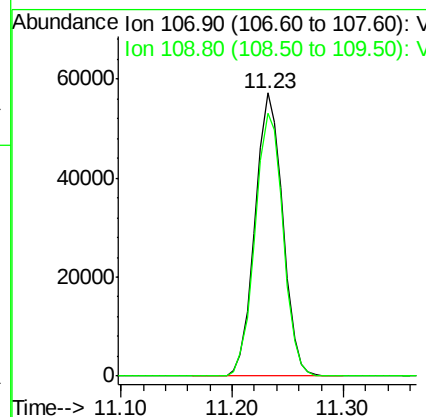
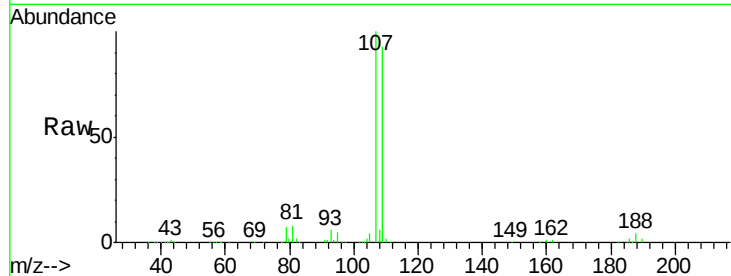
#61
 1,2-Dibromoethane
 Concen: 50.293 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.0	112.6

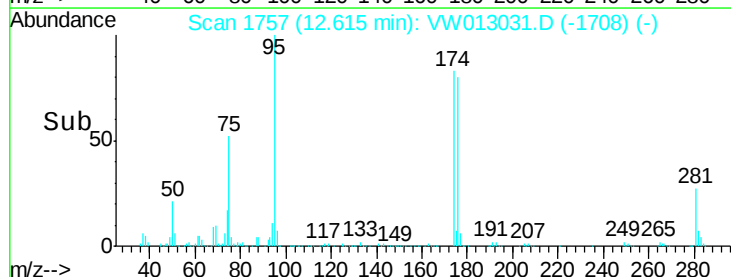
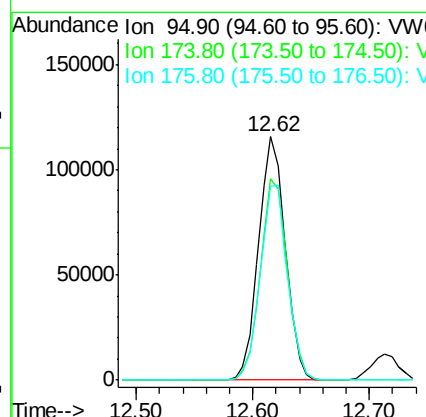
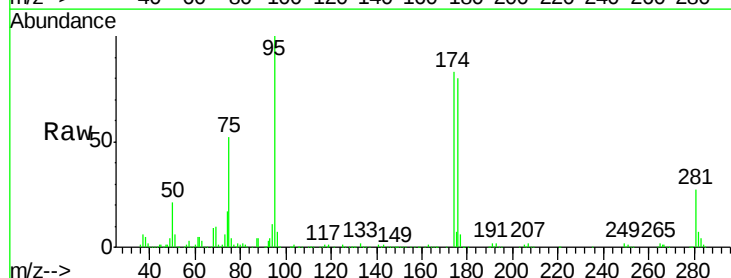
Manual Integrations
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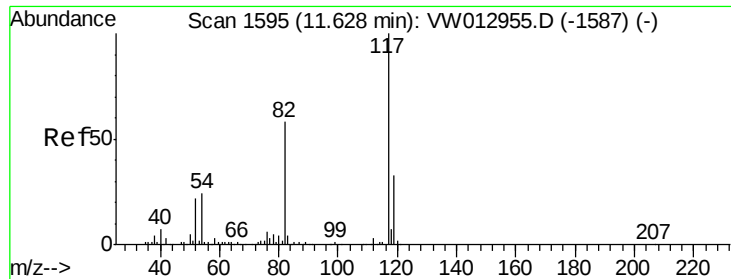
MMDadoda
 9/18/2019 2:00:44 PM



#62
 4-Bromofluorobenzene
 Concen: 48.590 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.4
176	81.5	0.0	164.6





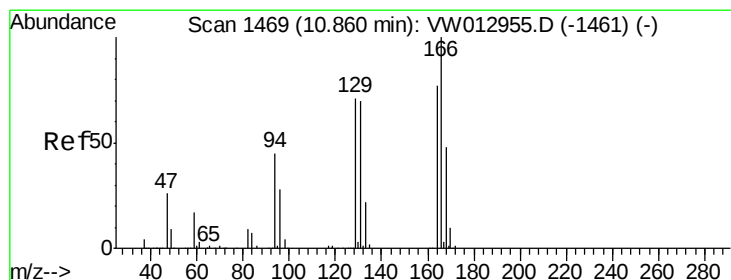
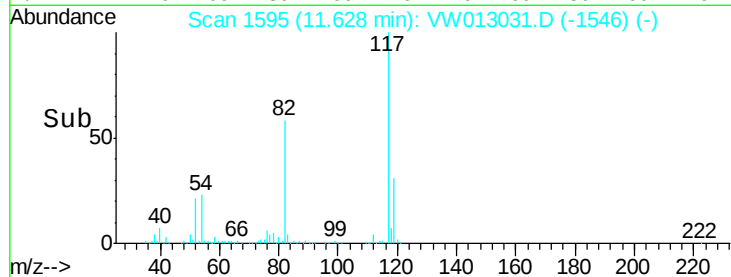
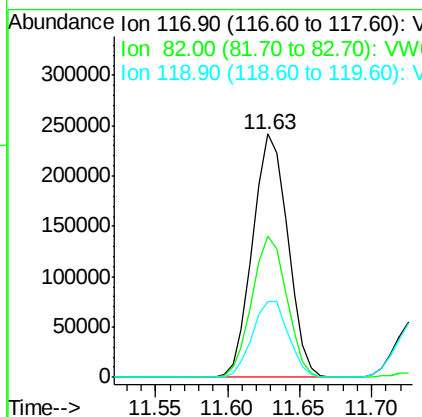
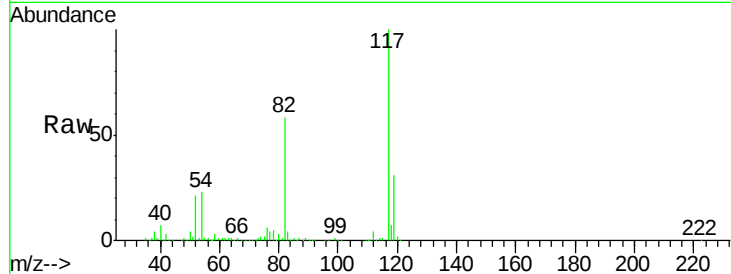
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	58.0	46.3	69.5
119	31.2	26.2	39.4

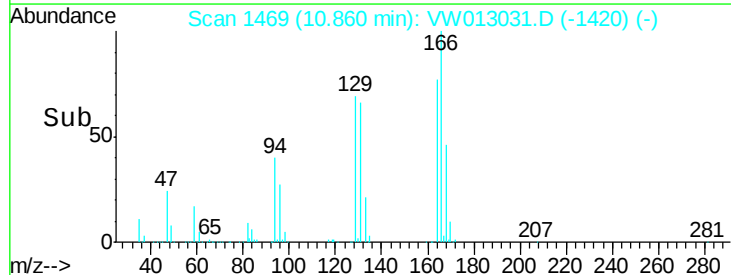
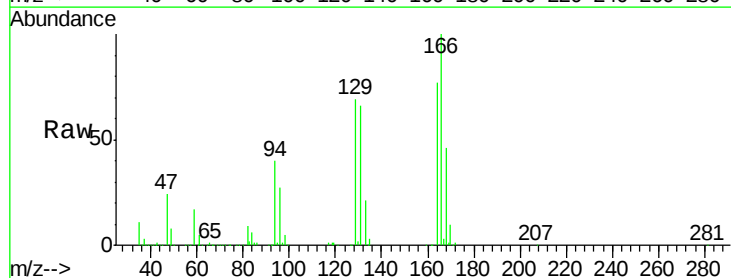
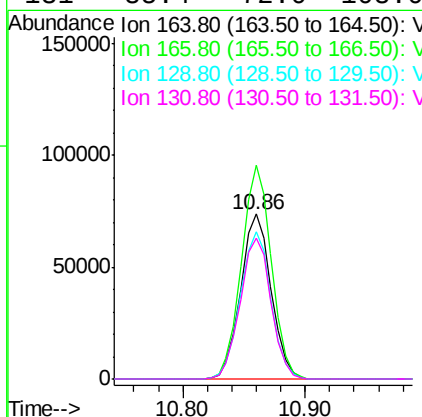
Manual Integrations
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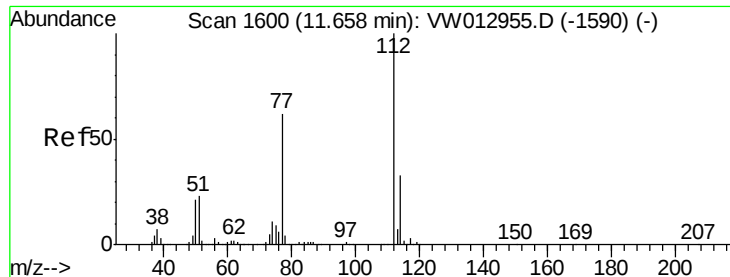
MMDadoda
9/18/2019 2:00:44 PM



#64
Tetrachloroethene
Concen: 52.171 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	129.6	103.3	154.9
129	89.2	73.8	110.8
131	85.4	72.0	108.0





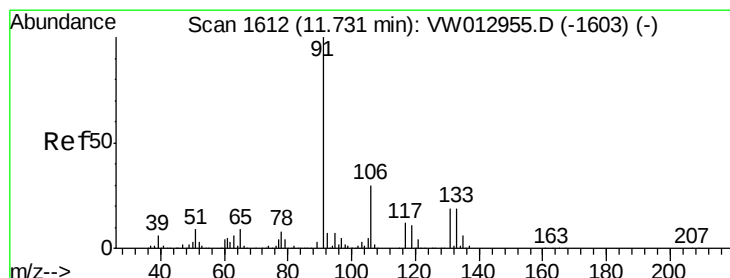
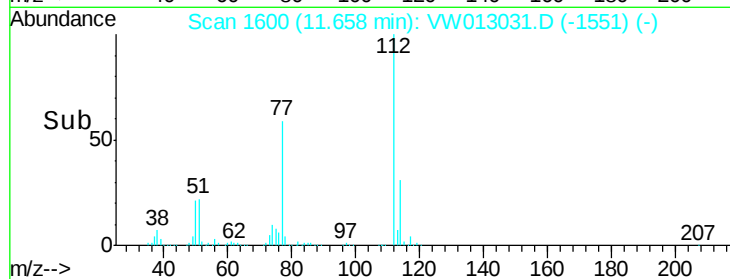
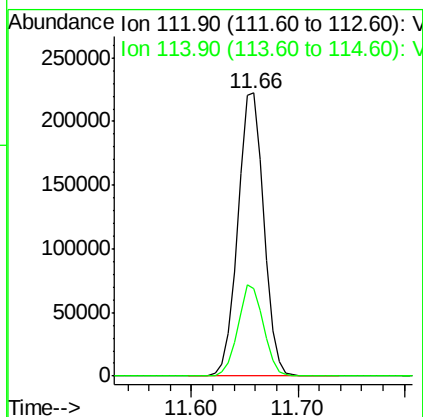
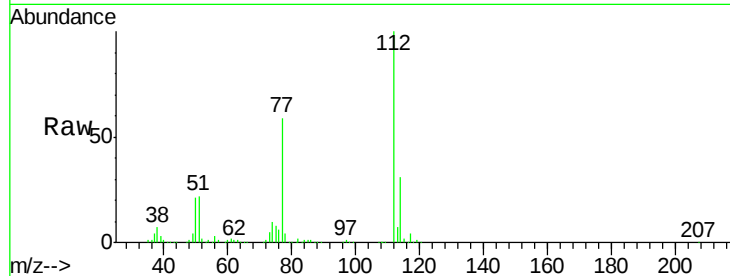
#65
Chlorobenzene
Concen: 52.371 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.4	39.6

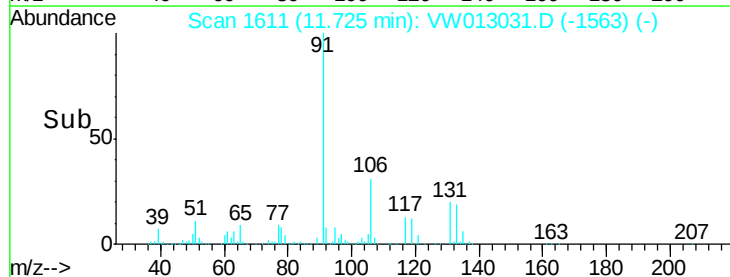
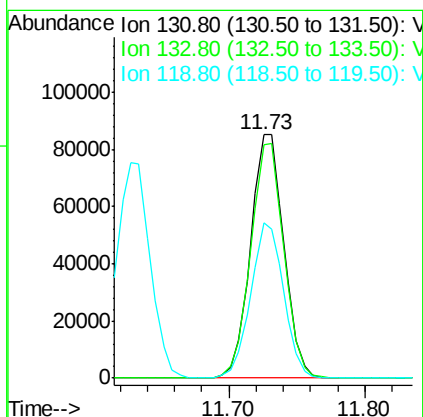
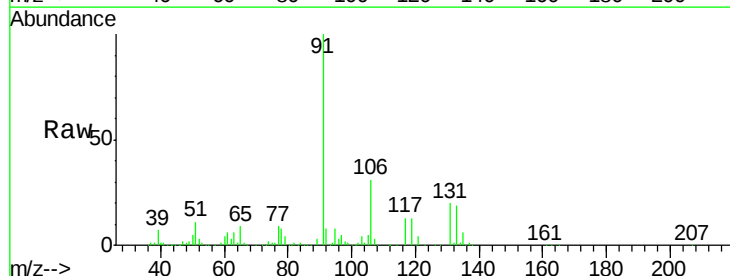
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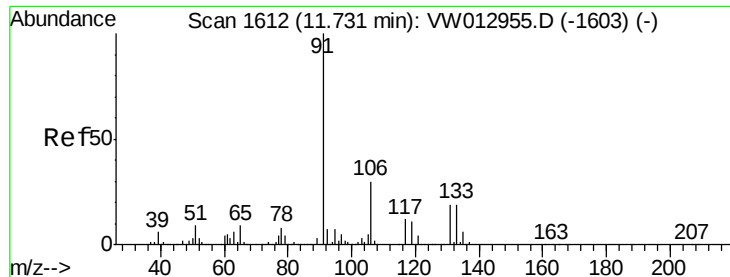
MMDadoda
9/18/2019 2:00:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.593 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.8
119	62.8	30.9	92.7





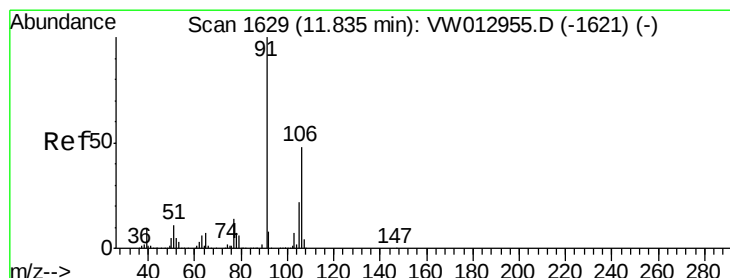
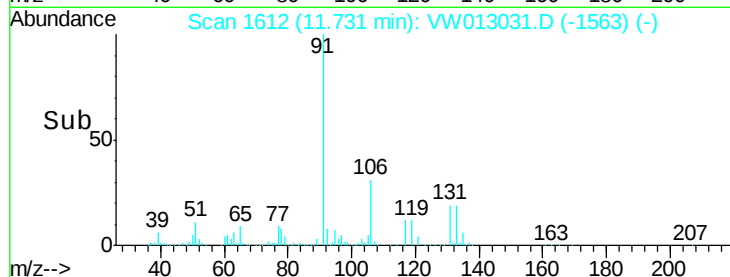
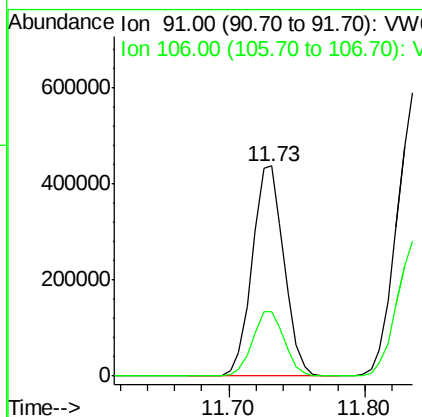
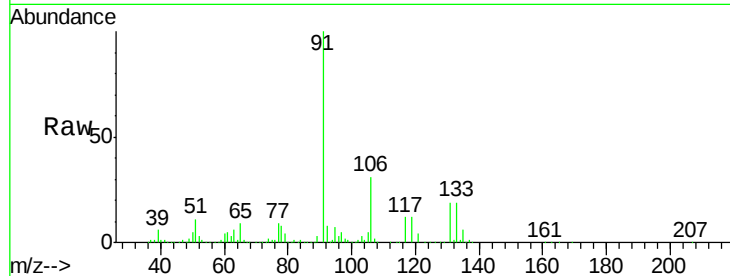
#67
Ethyl Benzene
Concen: 53.327 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

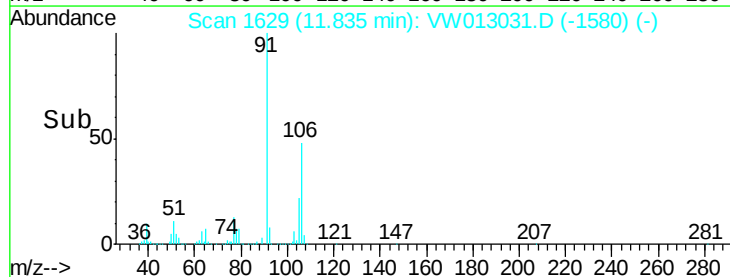
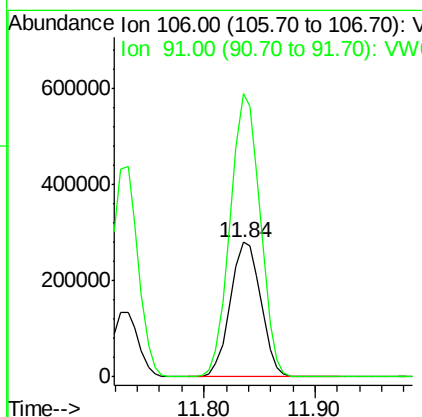
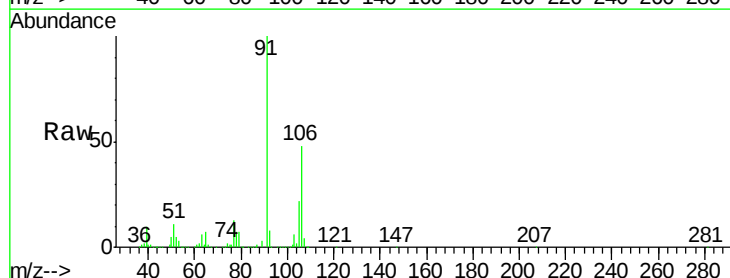
Manual Integrations
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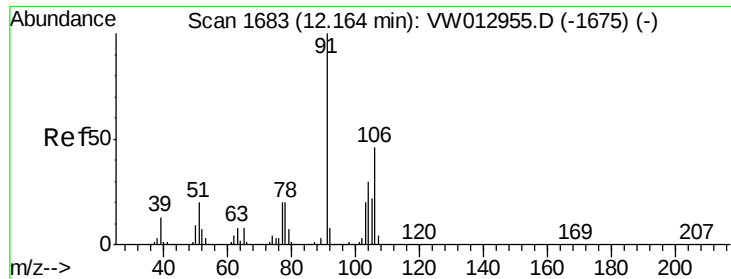
MMDadoda
9/18/2019 2:00:44 PM



#68
m/p-Xylenes
Concen: 108.172 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.3	165.8	248.8





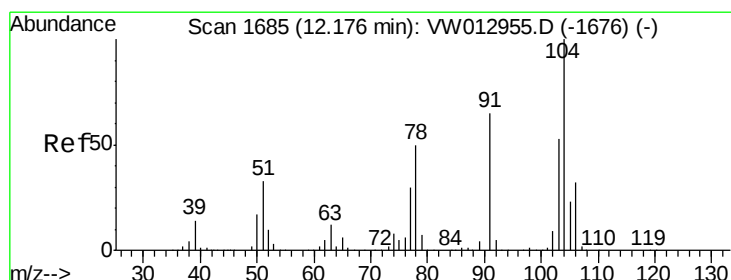
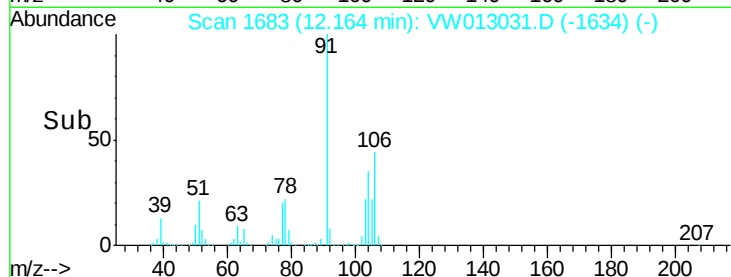
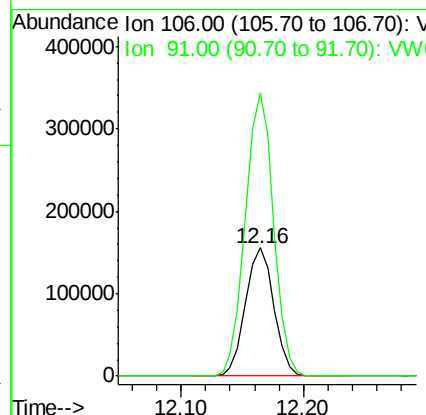
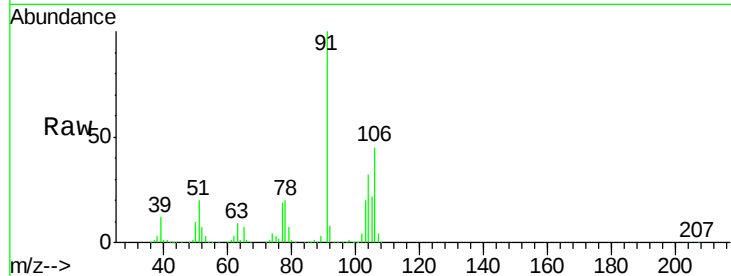
#69
o-Xylene
Concen: 54.638 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 251483
Ion Ratio Lower Upper
106 100
91 218.7 109.7 329.0

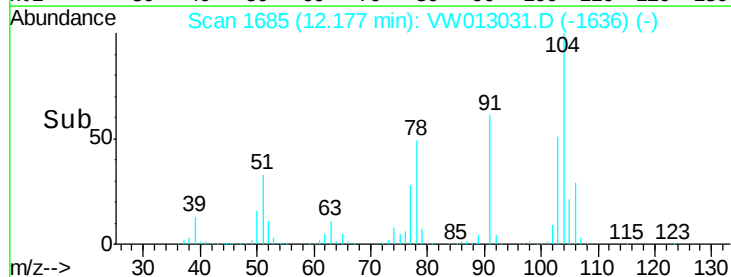
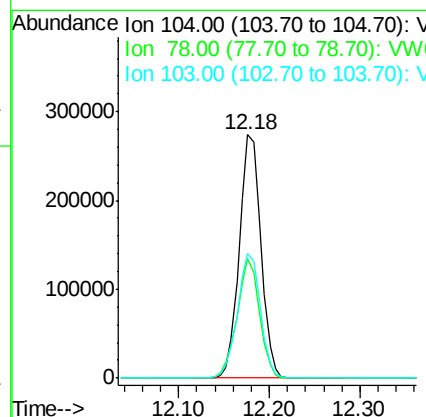
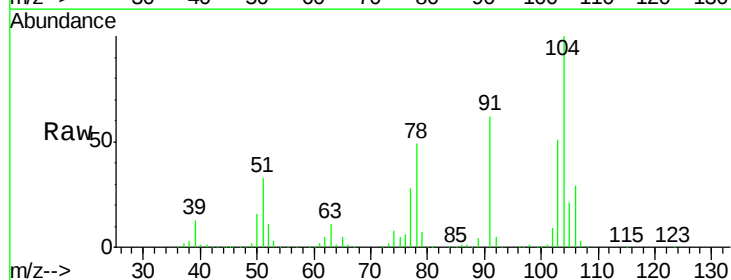
Manual Integrations
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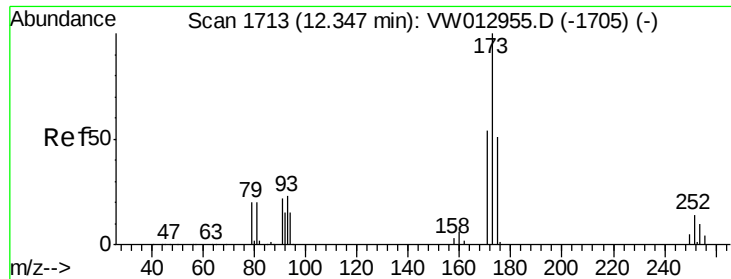
MMDadoda
9/18/2019 2:00:44 PM



#70
Styrene
Concen: 55.374 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion:104 Resp: 453383
Ion Ratio Lower Upper
104 100
78 50.9 42.1 63.1
103 54.4 44.2 66.4





#71

Bromoform

Concen: 54.258 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 79473

Ion Ratio Lower Upper

173 100

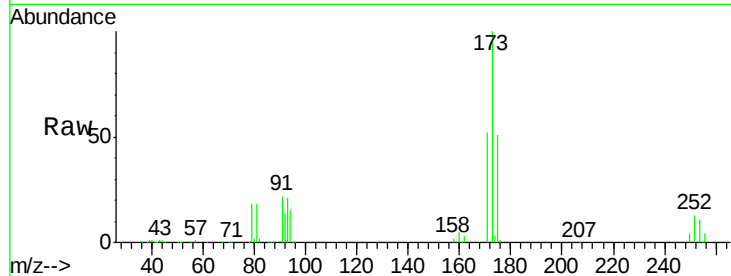
175 48.6 24.2 72.6

254 0.2 0.1 0.1#

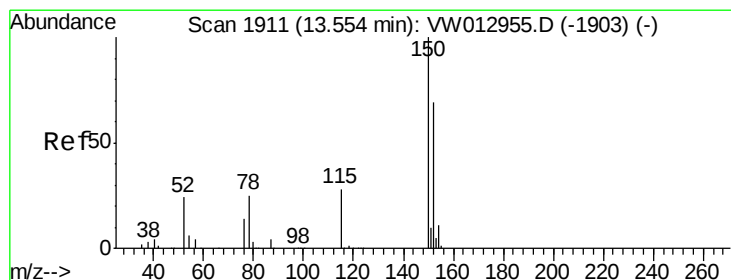
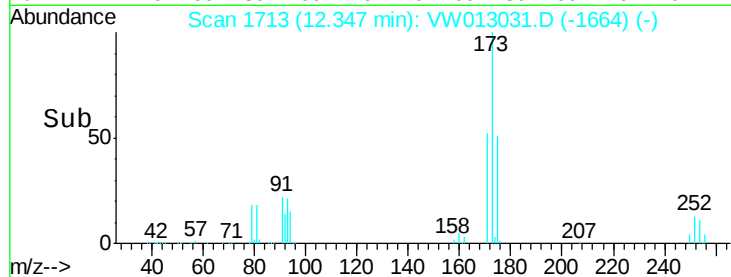
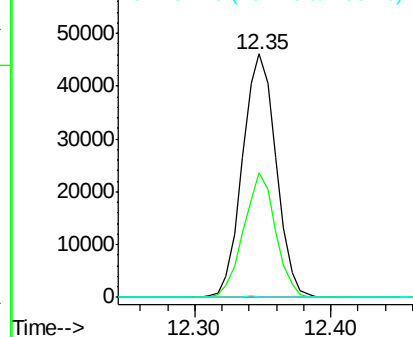
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

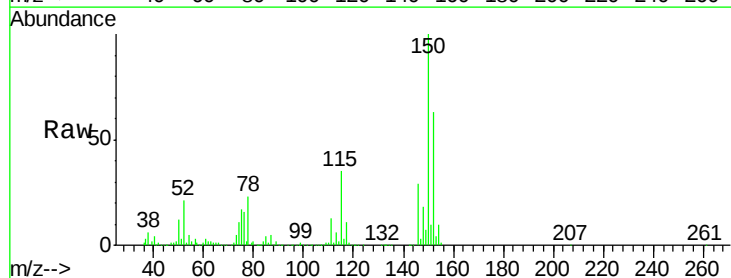
Tgt Ion:152 Resp: 208414

Ion Ratio Lower Upper

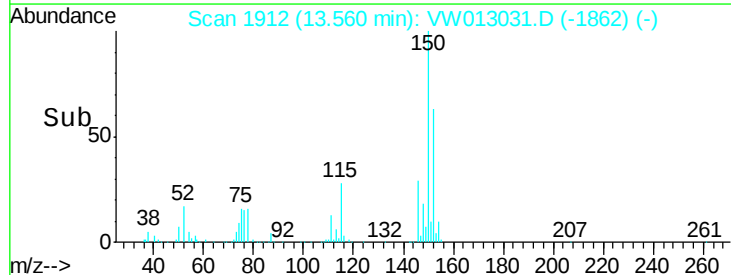
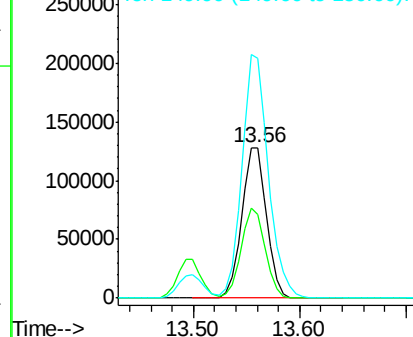
152 100

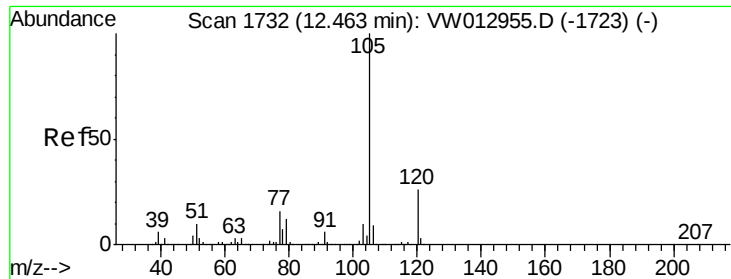
115 58.0 28.8 86.4

150 172.1 0.0 340.2



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





#73

Isopropylbenzene

Concen: 52.841 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 729956

Ion Ratio Lower Upper

105 100

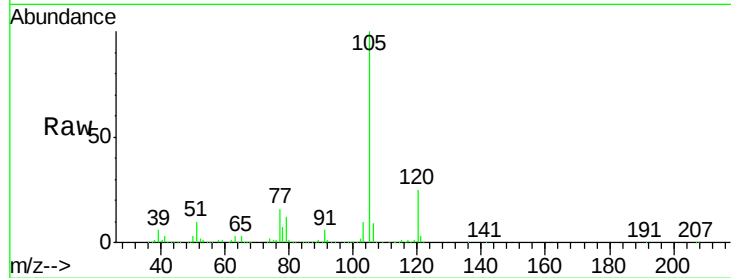
120 25.9 13.0 39.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

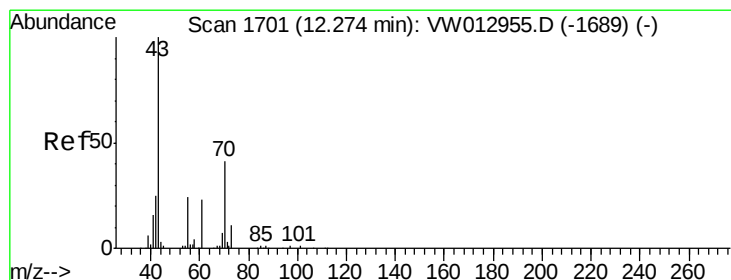
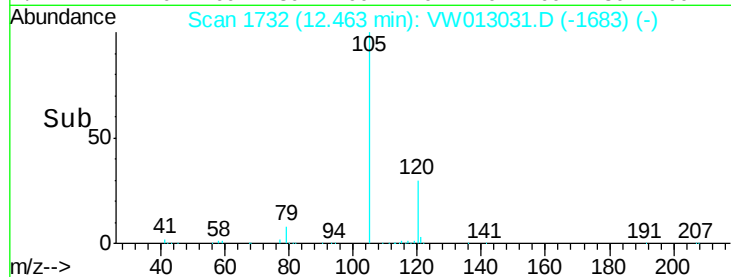
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 54.403 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion: 43 Resp: 193326

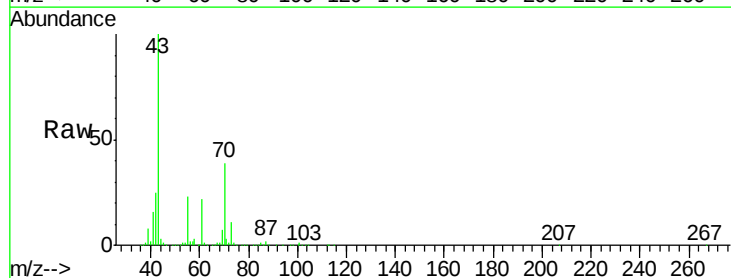
Ion Ratio Lower Upper

43 100

70 39.9 31.7 47.5

55 23.0 19.4 29.2

61 22.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

200000

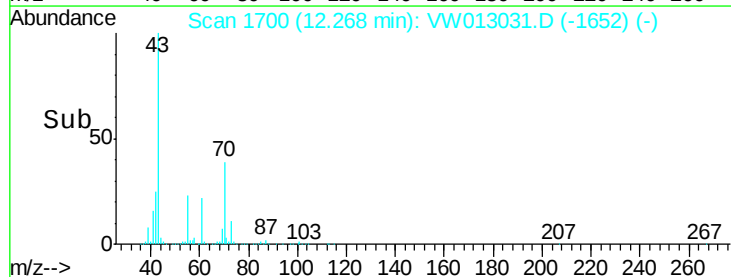
150000

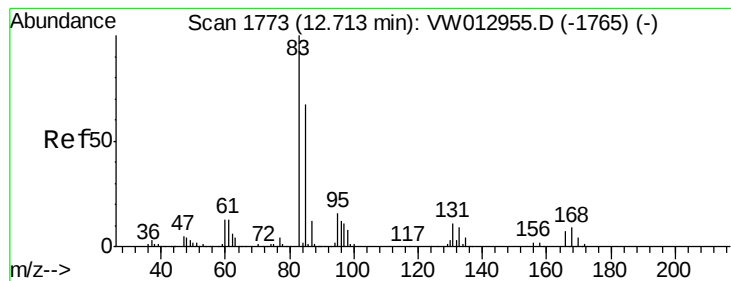
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.864 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

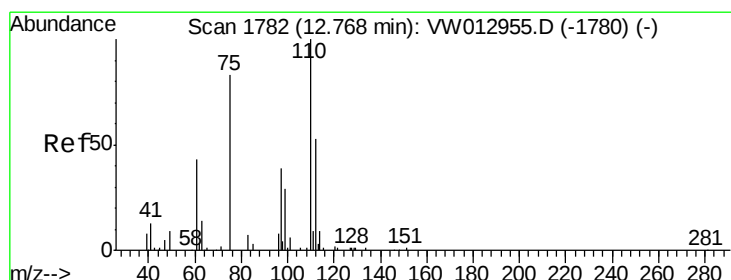
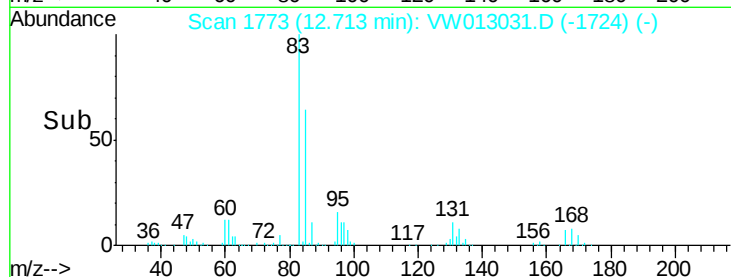
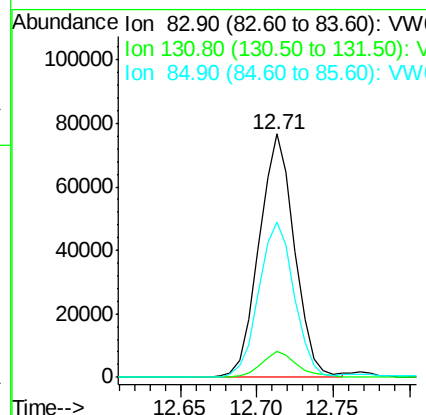
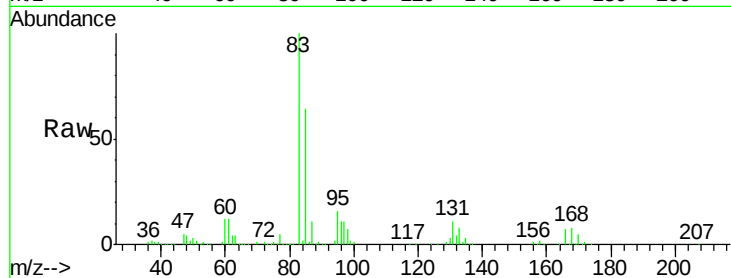
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	123410
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.1
85	63.7	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 54.248 ug/l m

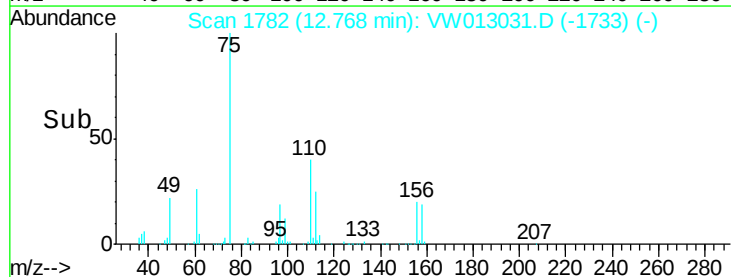
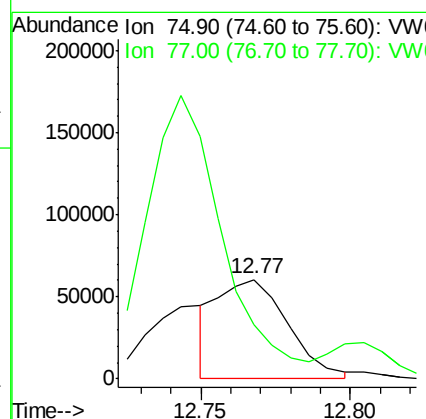
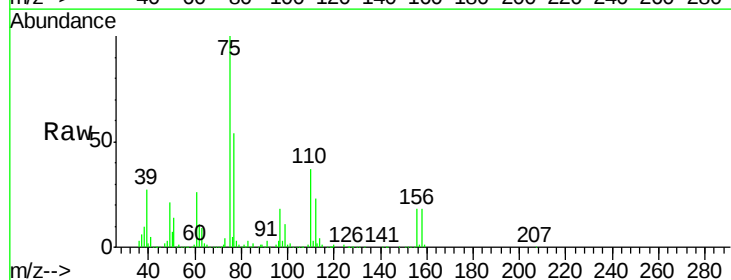
RT: 12.77 min Scan# 1782

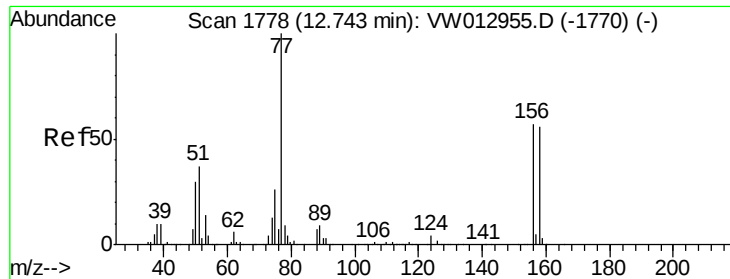
Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion:	75	Resp:	99032
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





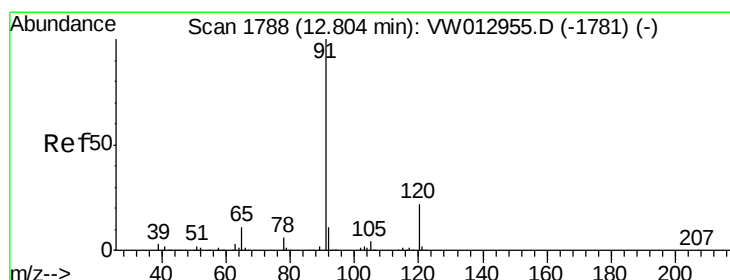
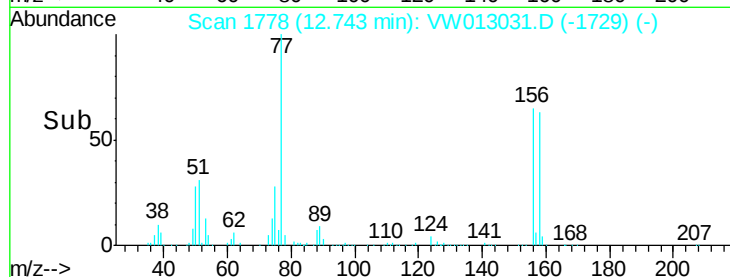
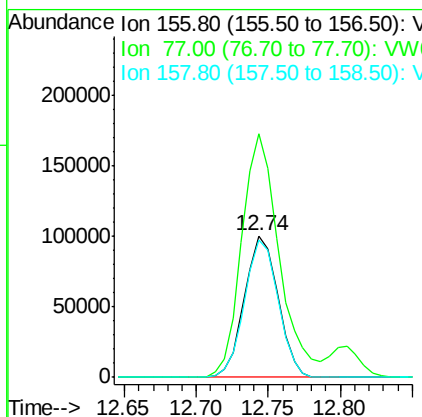
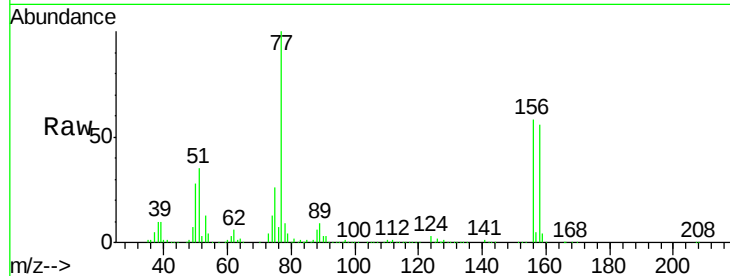
#77
Bromobenzene
Concen: 50.982 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	191.7	95.2	285.6
158	97.0	49.0	147.2

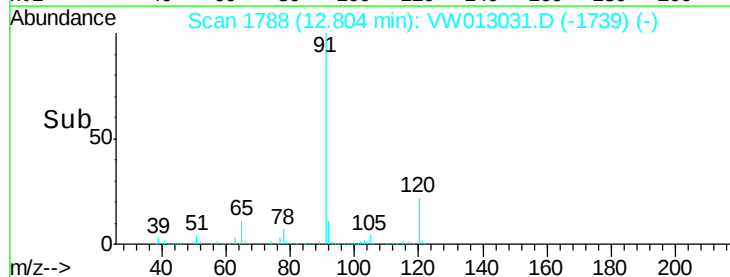
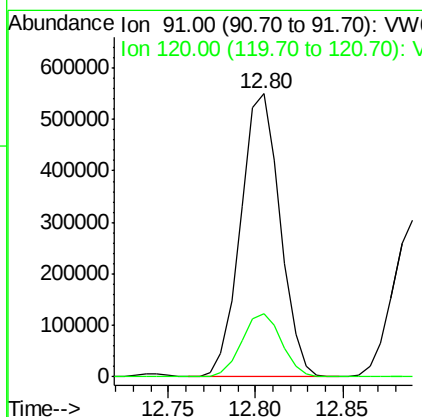
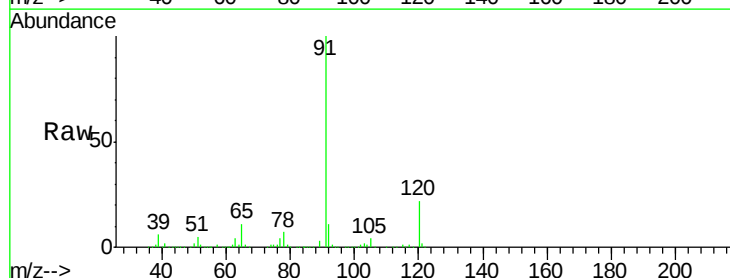
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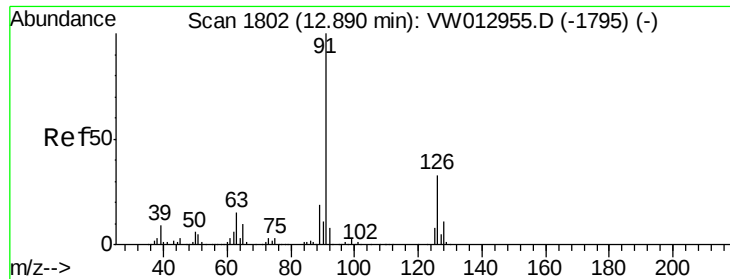
MMDadoda
9/18/2019 2:00:44 PM



#78
n-propylbenzene
Concen: 52.945 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 52.199 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 487601

Ion Ratio Lower Upper

91 100

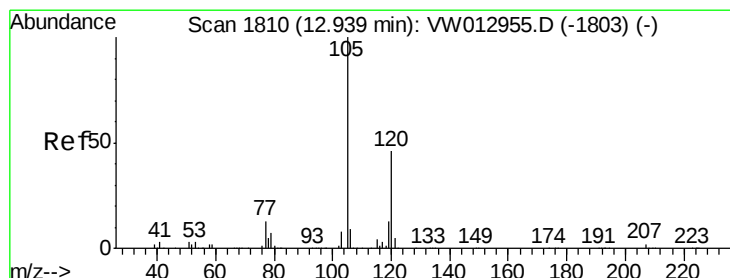
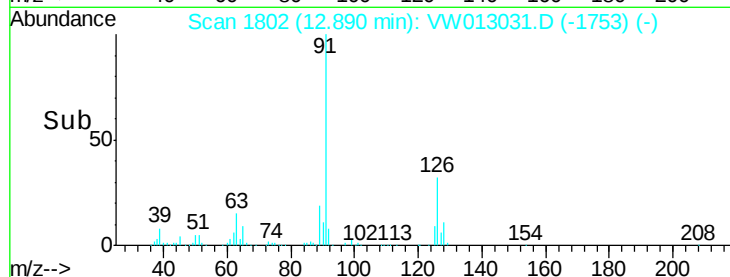
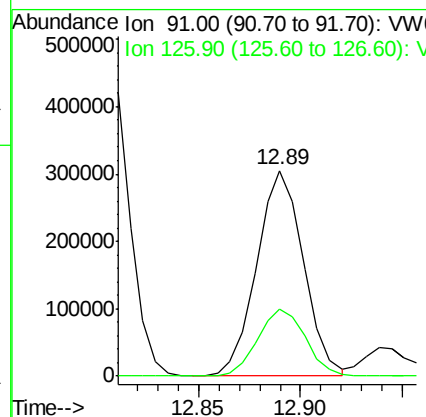
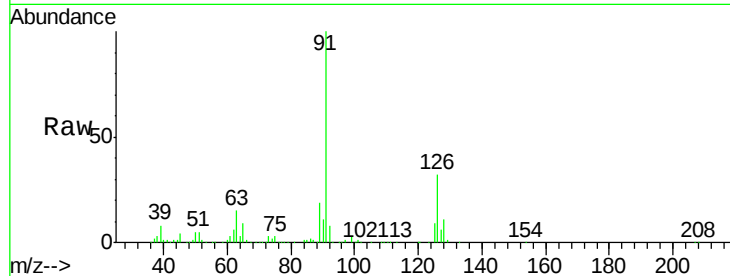
126 33.1 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 52.402 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW013031.D

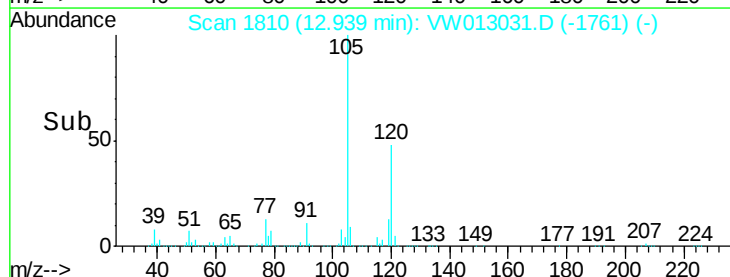
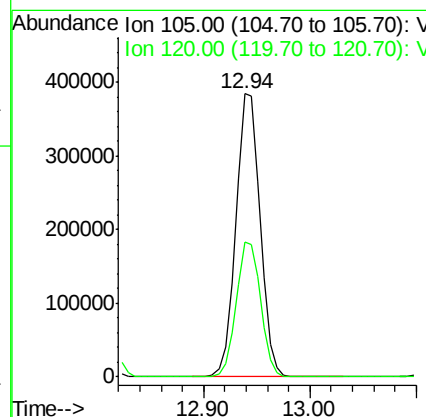
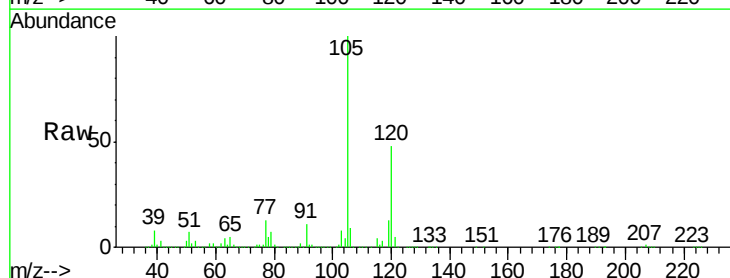
Acq: 16 Sep 2019 10:29

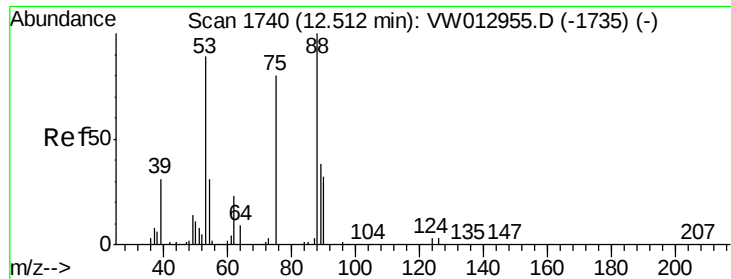
Tgt Ion: 105 Resp: 612418

Ion Ratio Lower Upper

105 100

120 48.3 24.2 72.6





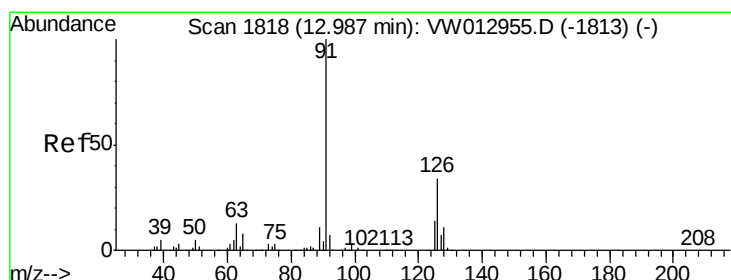
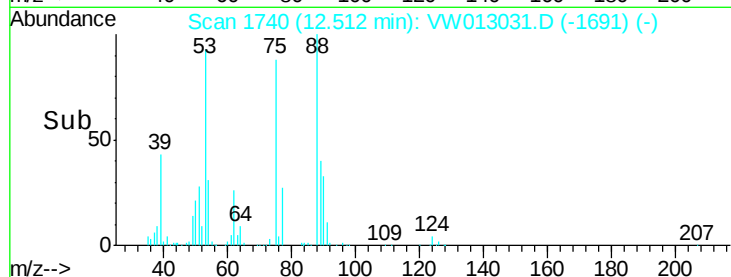
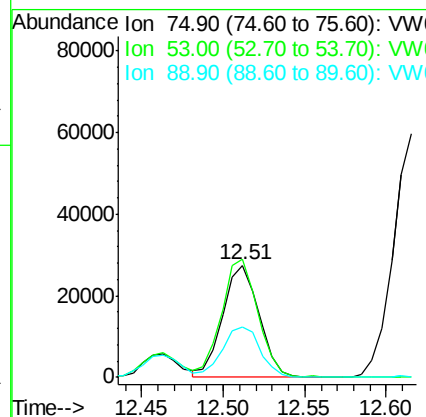
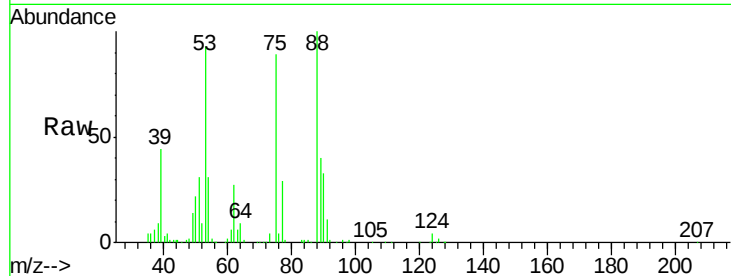
#81
trans-1,4-Dichloro-2-butene
Concen: 52.932 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.4	85.6	128.4
89	47.3	37.2	55.8

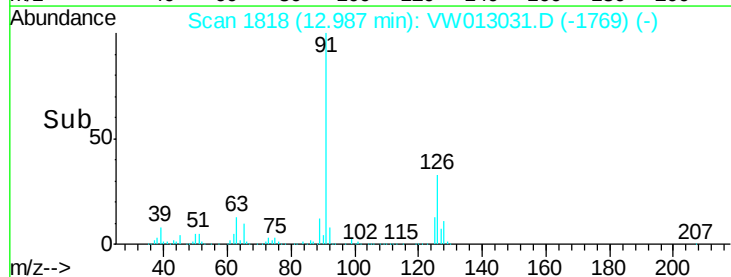
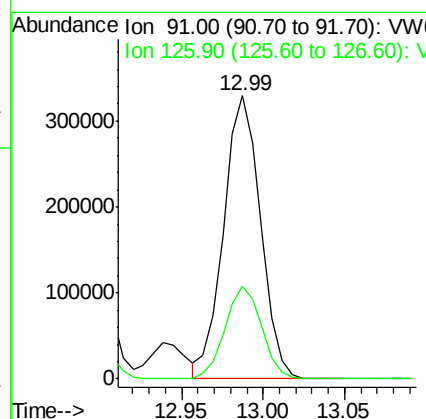
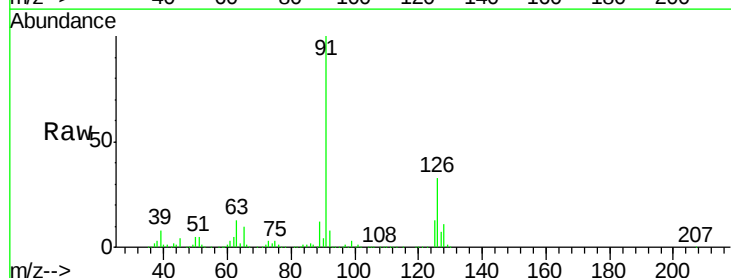
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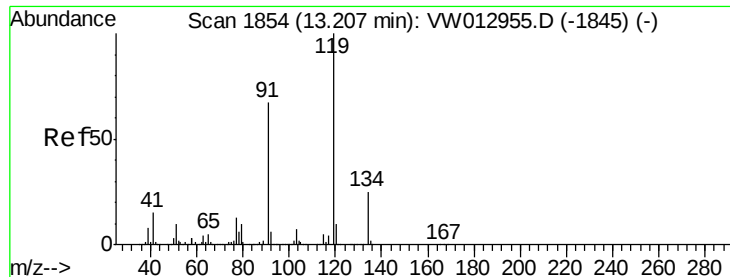
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#82
4-Chlorotoluene
Concen: 52.375 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3





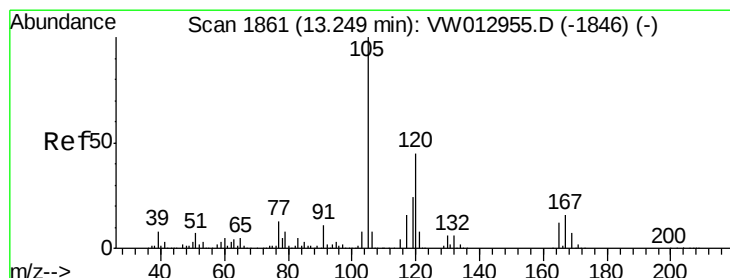
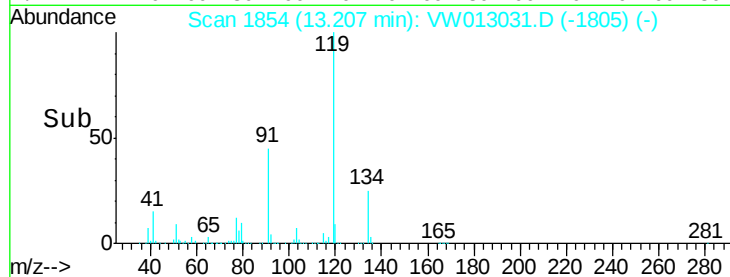
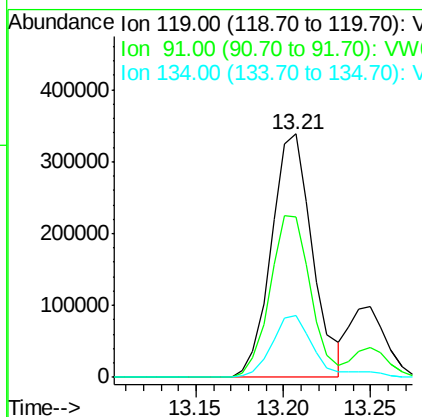
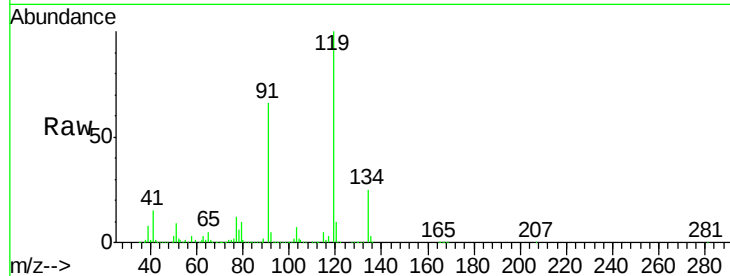
#83
 tert-Butylbenzene
 Concen: 53.085 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.6	98.0
134	25.1	12.4	37.4

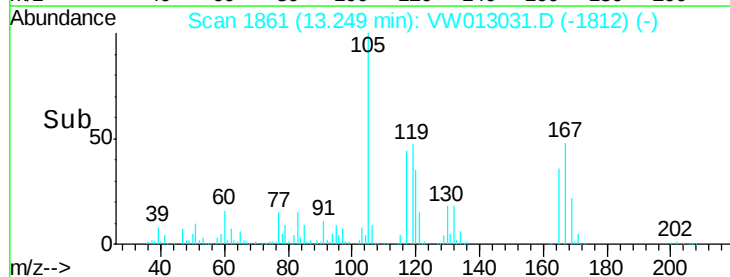
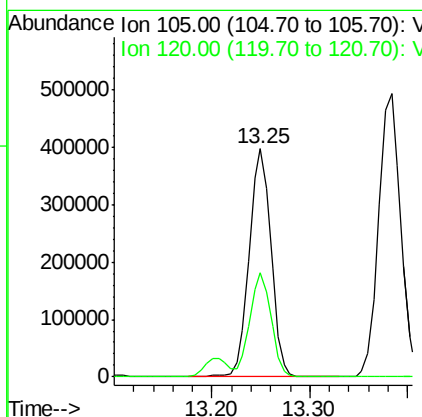
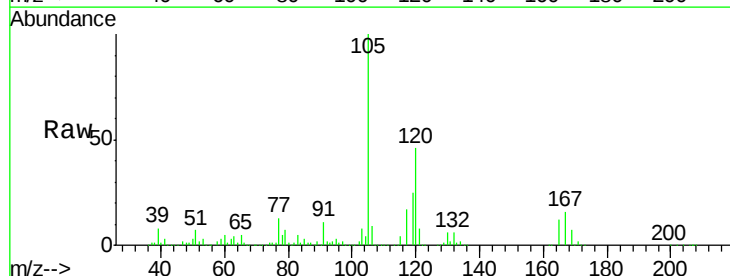
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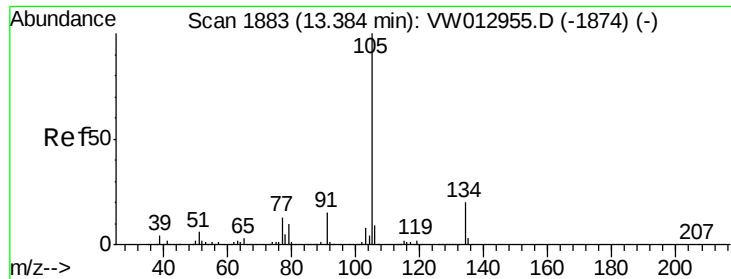
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.246 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.9	65.7





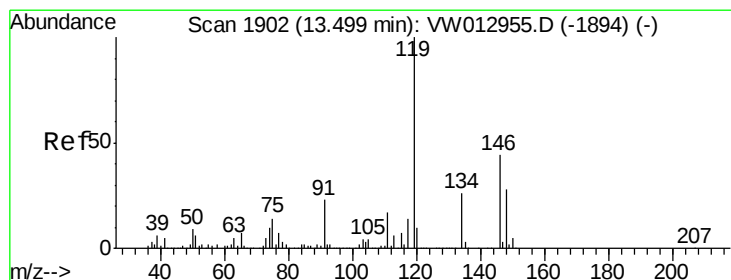
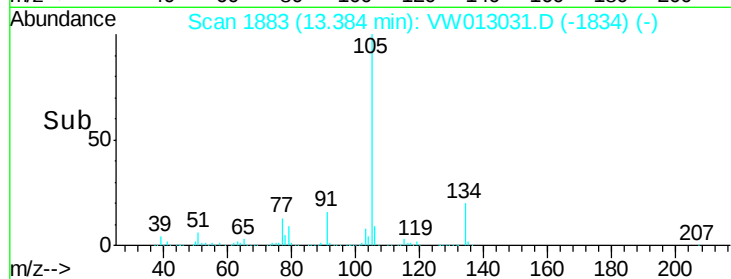
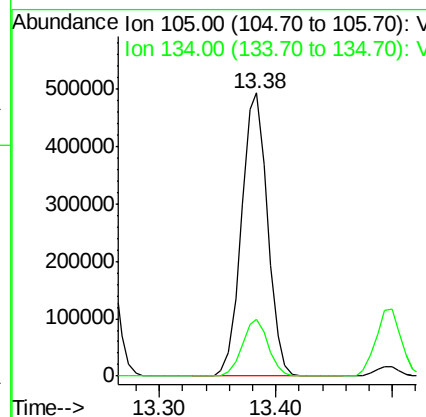
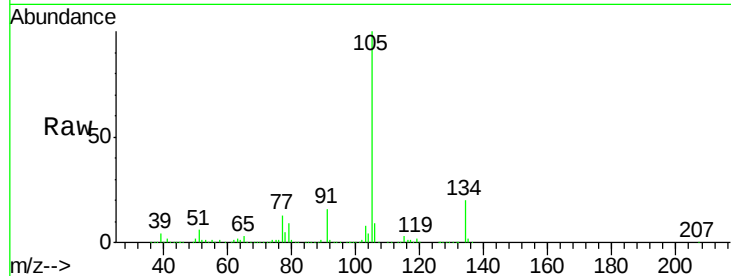
#85
 sec-Butylbenzene
 Concen: 53.933 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.4

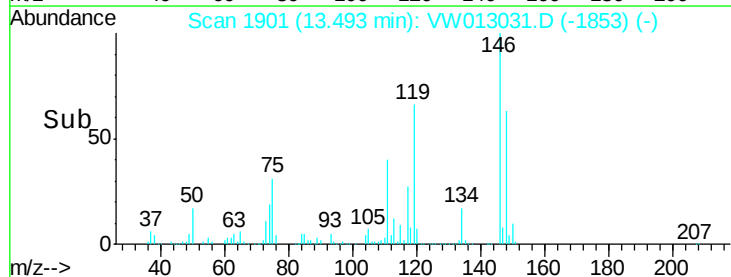
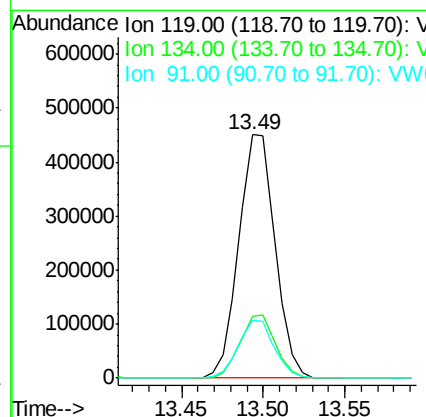
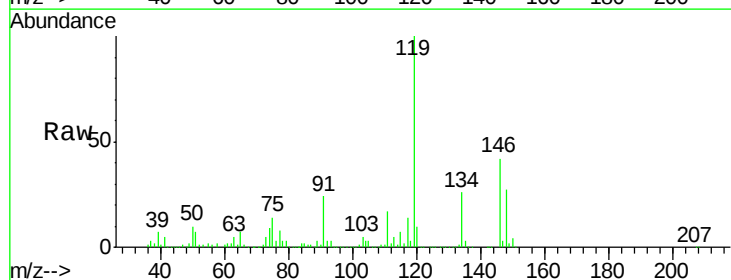
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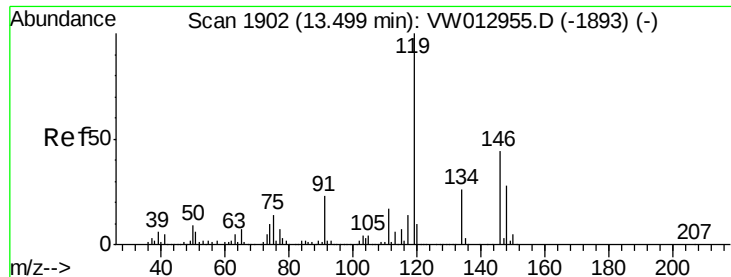
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#86
 p-Isopropyltoluene
 Concen: 53.445 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.3
91	23.4	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 51.483 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

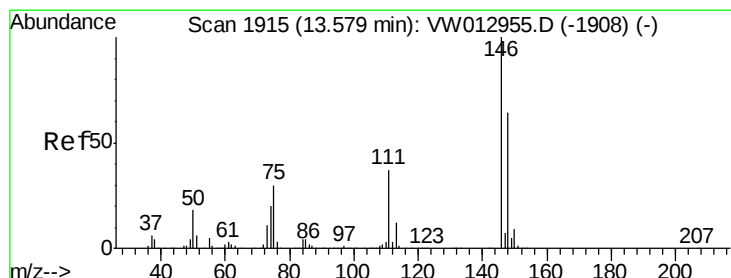
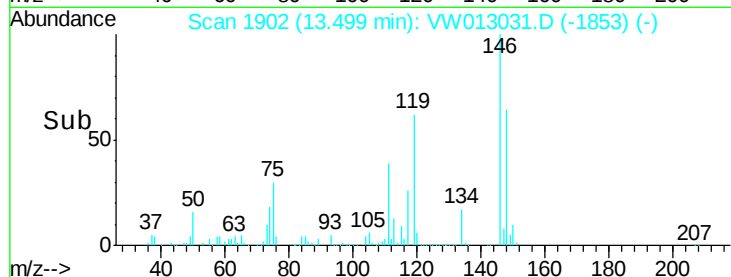
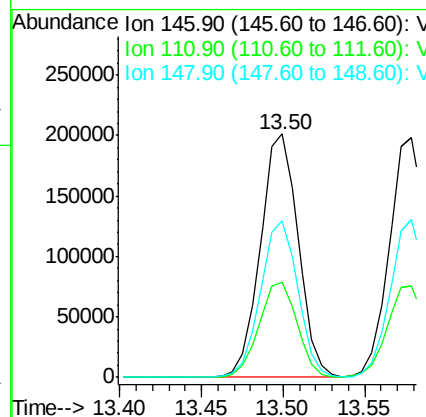
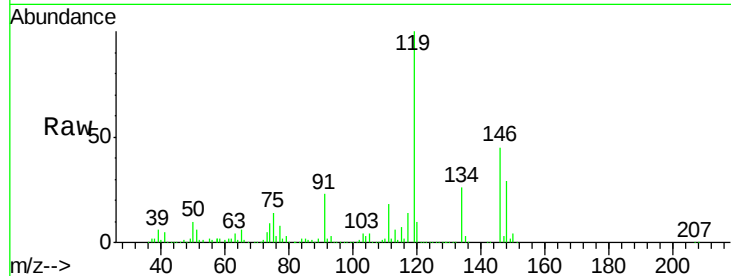
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	324339		
111	39.6	19.8	59.4	
148	63.8	31.9	95.7	

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#88

1,4-Dichlorobenzene

Concen: 52.043 ug/l

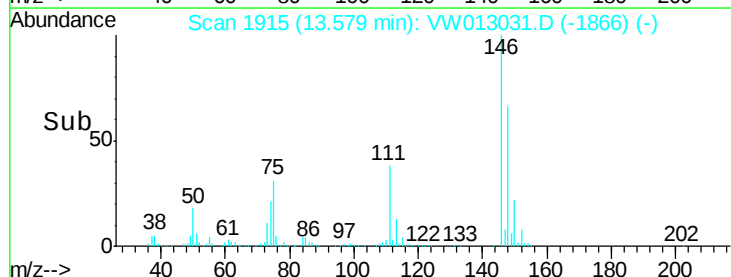
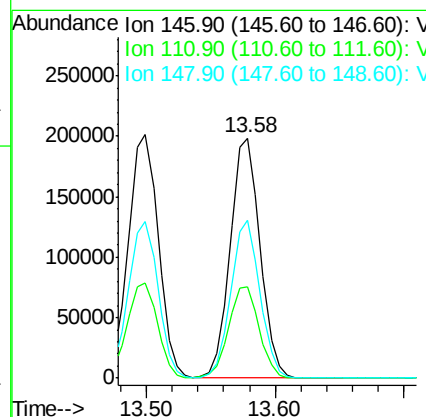
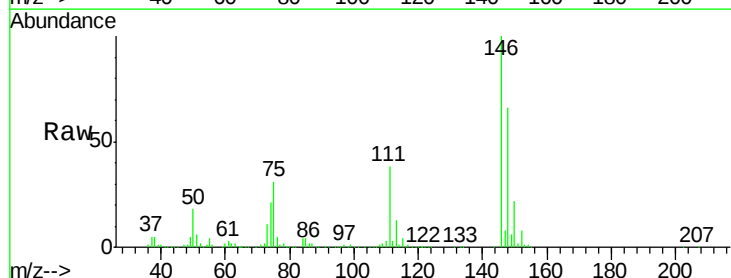
RT: 13.58 min Scan# 1915

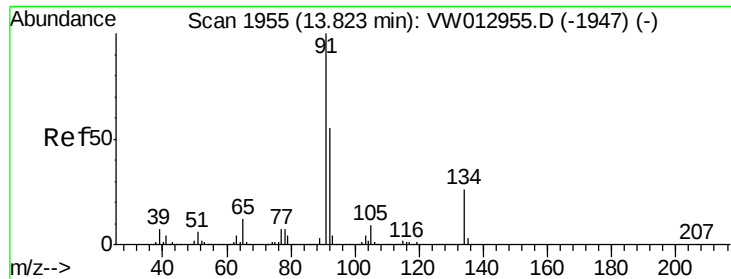
Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	322197		
111	39.1	19.4	58.2	
148	64.0	31.9	95.5	





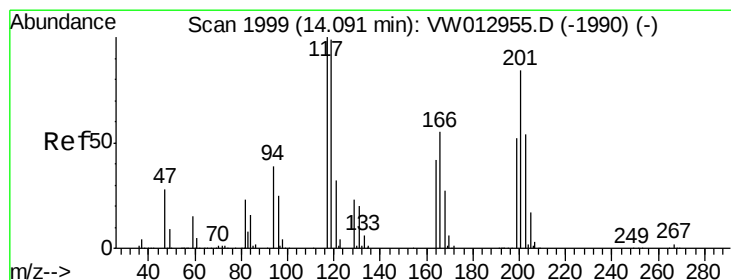
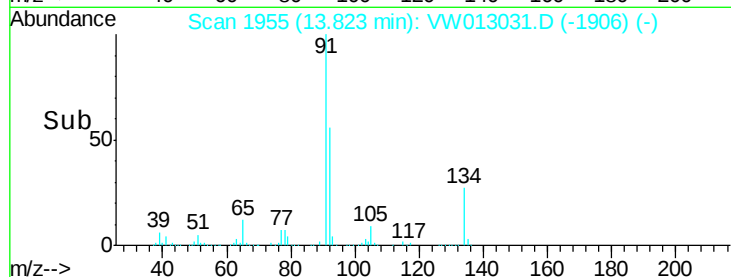
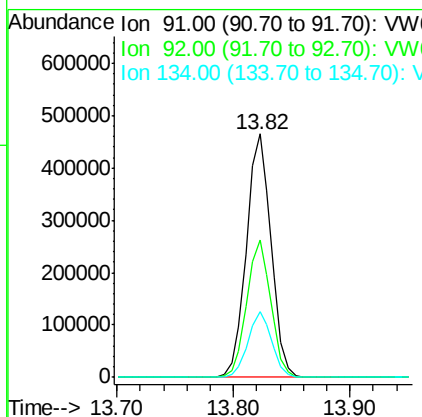
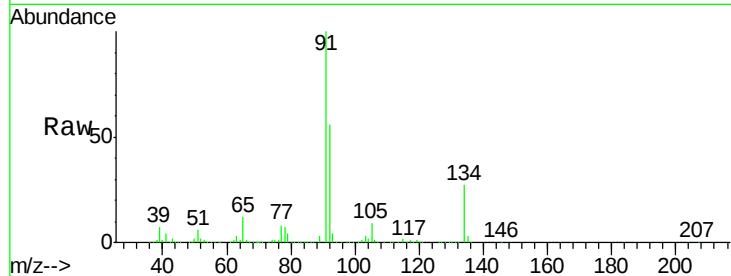
#89
n-Butylbenzene
Concen: 55.575 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	685334		
92	55.3		27.2	81.5
134	26.0		13.1	39.1

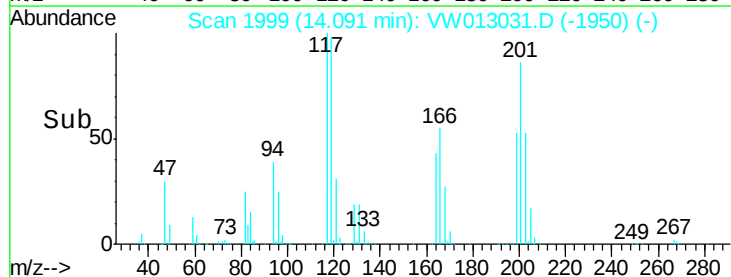
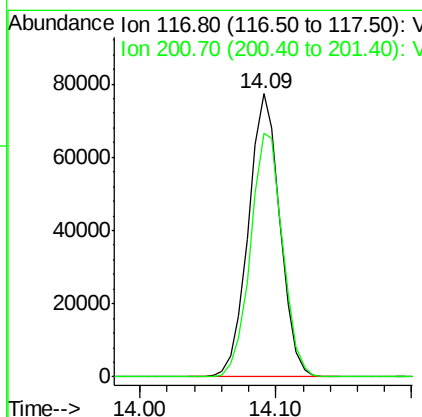
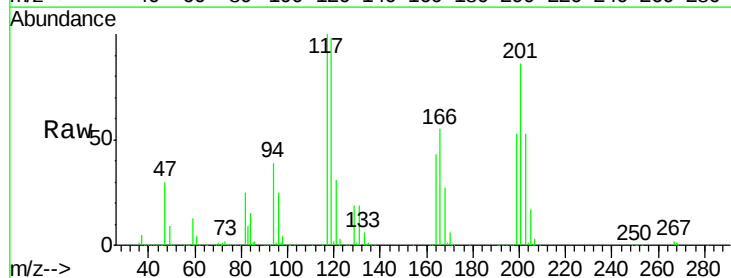
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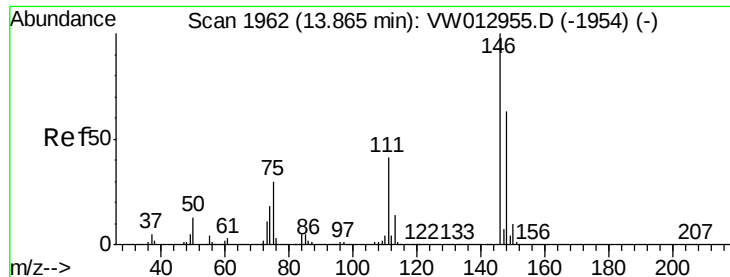
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#90
Hexachloroethane
Concen: 53.626 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013031.D
Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	125661		
201	87.4		45.3	135.9





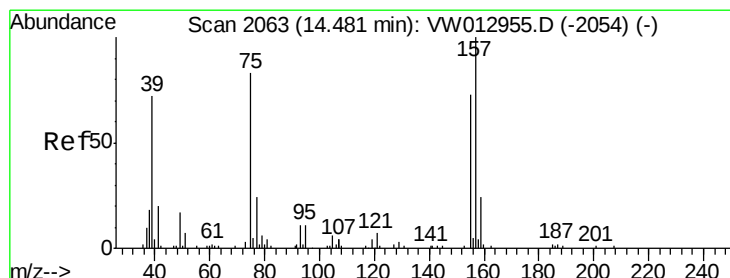
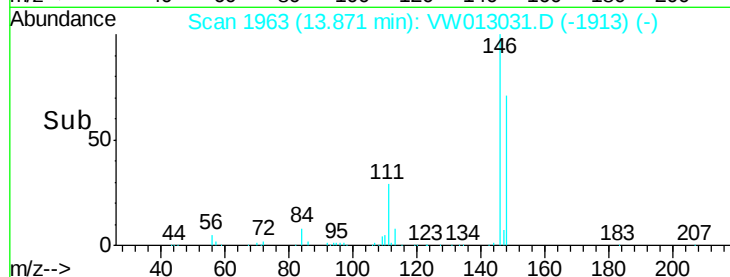
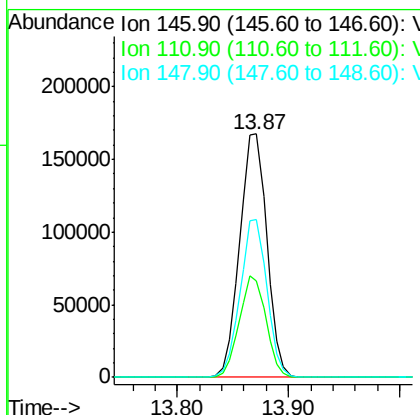
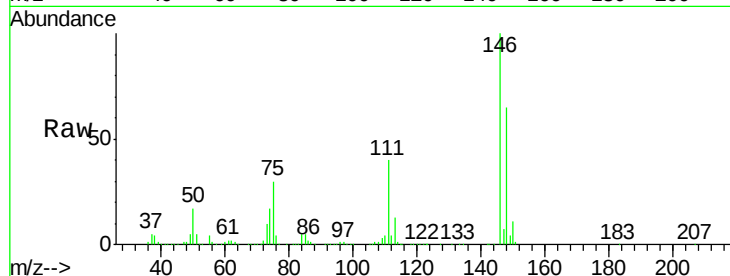
#91
 1,2-Dichlorobenzene
 Concen: 51.423 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.5
148	63.7	32.7	98.1

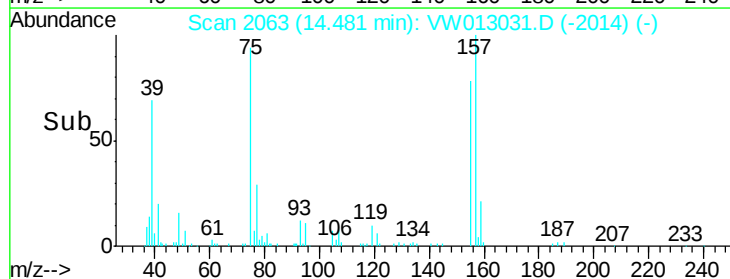
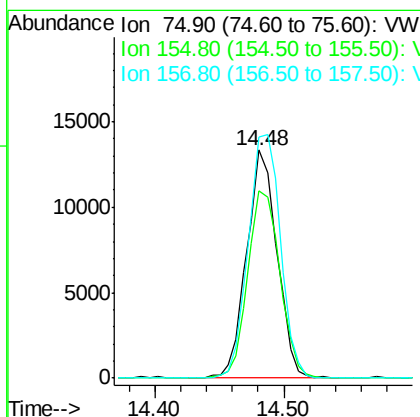
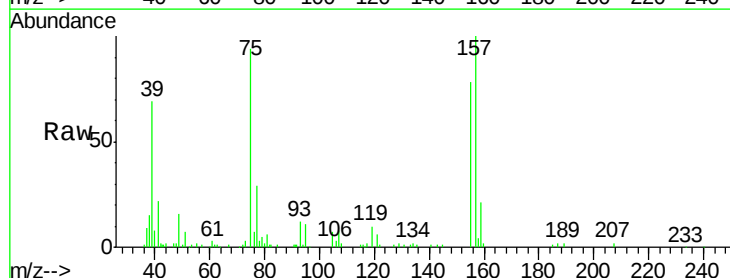
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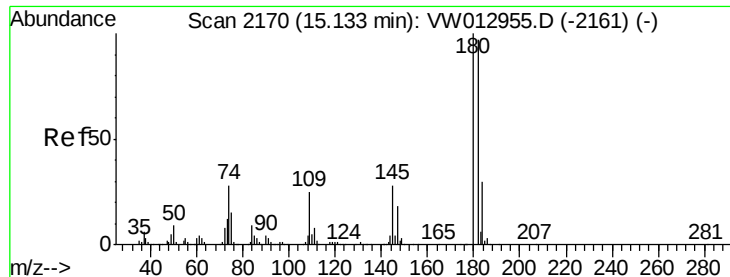
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 9/18/2019 2:00:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.827 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	43.3	129.9
157	112.9	54.7	164.1





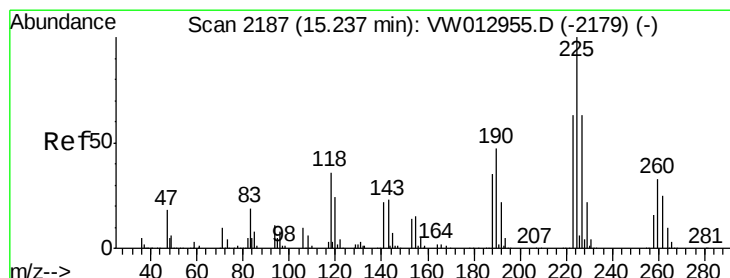
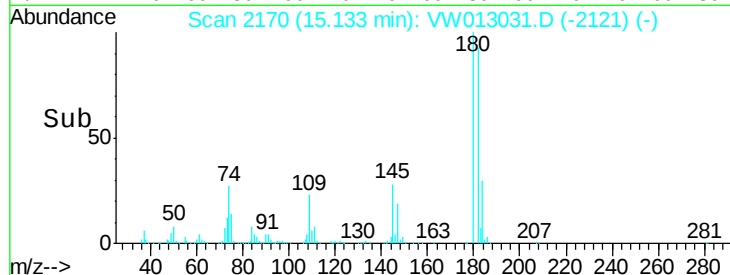
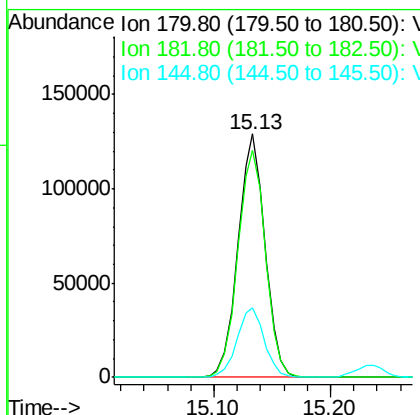
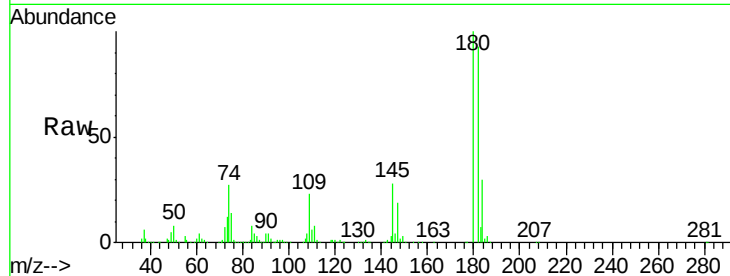
#93
 1,2,4-Trichlorobenzene
 Concen: 52.577 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	207735		
182	96.0	47.4	142.2	
145	29.0	14.9	44.7	

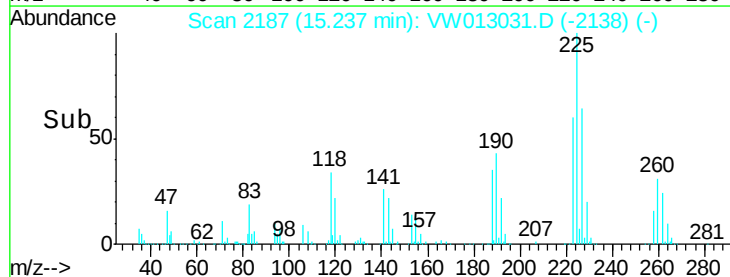
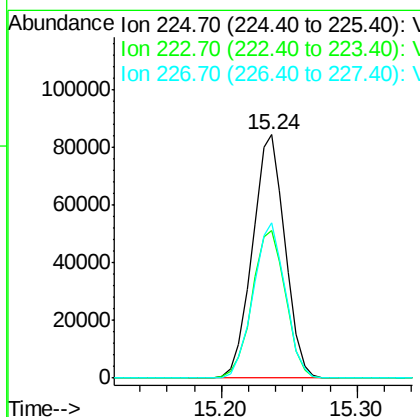
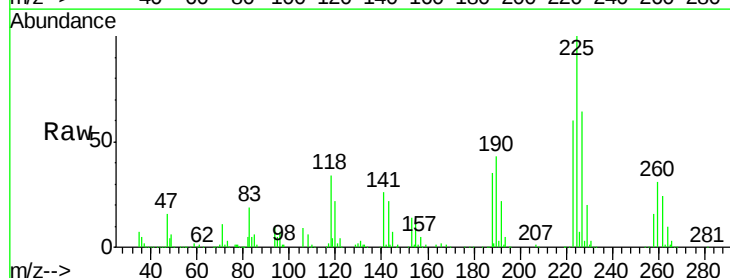
Manual Integrations
 APPROVED

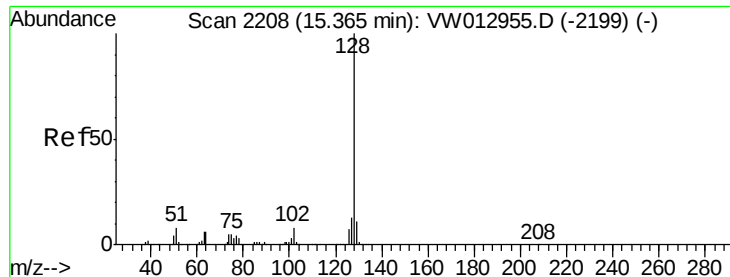
MMDadoda
 9/18/2019 2:00:44 PM



#94
 Hexachlorobutadiene
 Concen: 50.567 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013031.D
 Acq: 16 Sep 2019 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141438		
223	62.2	31.8	95.3	
227	63.0	31.3	93.8	





#95

Naphthalene

Concen: 54.096 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Instrument :

MSVOA_W

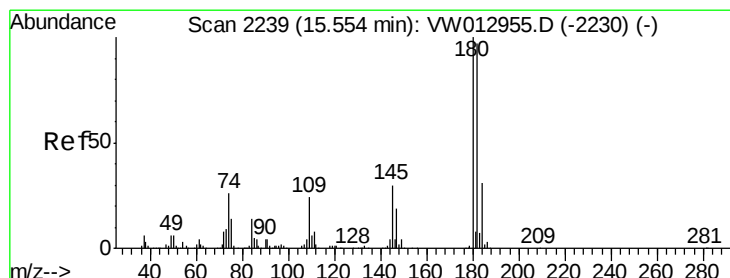
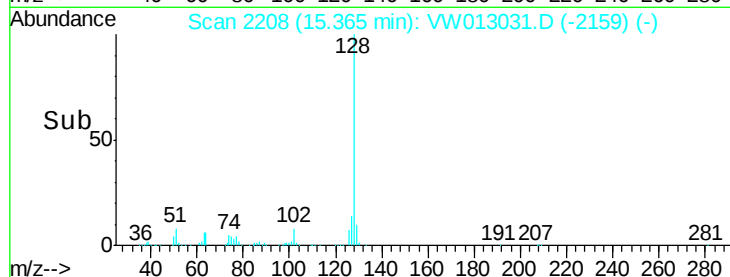
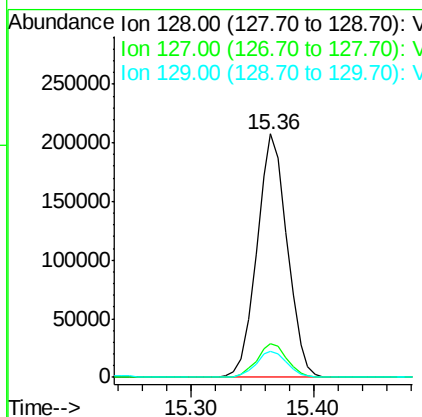
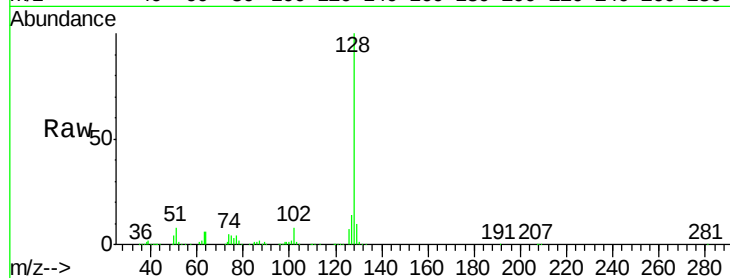
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	357131
Ion Ratio	Lower	Upper	
128	100		
127	13.9	11.0	16.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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9/18/2019 2:00:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.444 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013031.D

Acq: 16 Sep 2019 10:29

Tgt Ion:	180	Resp:	183171
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.6	142.8
145	30.8	15.4	46.2

