

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012559.D
 Acq On : 03 Sep 2019 21:30
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:30 AM

Quant Time: Sep 04 07:19:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147326	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
35) Dibromofluoromethane	7.88	113	114637	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
50) Toluene-d8	10.32	98	439722	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.62	95	158793	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	65851	49.604	ug/l	97
3) Chloromethane	2.21	50	99206	48.235	ug/l	99
4) Vinyl Chloride	2.36	62	112900	44.849	ug/l	99
5) Bromomethane	2.77	94	62367	48.919	ug/l	100
6) Chloroethane	2.92	64	66411	46.766	ug/l	95
7) Trichlorofluoromethane	3.25	101	72270	57.174	ug/l	99
8) Diethyl Ether	3.68	74	69273	57.737	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114123	53.115	ug/l	97
10) Methyl Iodide	4.27	142	161662	55.609	ug/l	98
11) Tert butyl alcohol	5.19	59	48899	317.037	ug/l	100
12) 1,1-Dichloroethene	4.03	96	113370	52.424	ug/l	100
13) Acrolein	3.89	56	53605	369.214	ug/l	99
14) Allyl chloride	4.67	41	251079	54.308	ug/l	98
15) Acrylonitrile	5.37	53	178548	300.233	ug/l	100
16) Acetone	4.13	43	170385	260.072	ug/l	99
17) Carbon Disulfide	4.38	76	317968	48.651	ug/l	100
18) Methyl Acetate	4.67	43	97938	60.356	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	224447	64.179	ug/l	98
20) Methylene Chloride	4.92	84	131579	53.126	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	125254	54.011	ug/l	96
22) Diisopropyl ether	6.31	45	490104	57.191	ug/l	99
23) Vinyl Acetate	6.25	43	1595288	302.488	ug/l	100
24) 1,1-Dichloroethane	6.21	63	261488	56.041	ug/l	99
25) 2-Butanone	7.17	43	253080	284.274	ug/l	98
26) 2,2-Dichloropropane	7.16	77	145785	55.200	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	141624	57.160	ug/l	100
28) Bromochloromethane	7.51	49	110364	54.268	ug/l	96
29) Tetrahydrofuran	7.53	42	164502	307.985	ug/l	99
30) Chloroform	7.67	83	246734	57.798	ug/l	98
31) Cyclohexane	7.95	56	219612	47.572	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	195735	57.960	ug/l	99
36) 1,1-Dichloropropene	8.08	75	195493	54.721	ug/l	99
37) Ethyl Acetate	7.25	43	117326	59.930	ug/l	100
38) Carbon Tetrachloride	8.07	117	178392	57.692	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	209371	52.167	ug/l	97
40) Benzene	8.32	78	536339	54.980	ug/l	99
41) Methacrylonitrile	7.48	41	70387	61.173	ug/l	98
42) 1,2-Dichloroethane	8.40	62	186641	61.047	ug/l	99
43) Isopropyl Acetate	8.42	43	220635	60.843	ug/l	99
44) Trichloroethene	9.09	130	132513	55.879	ug/l	95
45) 1,2-Dichloropropane	9.37	63	145739	55.511	ug/l	99
46) Dibromomethane	9.46	93	70190	60.088	ug/l	98
47) Bromodichloromethane	9.64	83	187765	60.397	ug/l	100
48) Methyl methacrylate	9.43	41	106286	61.582	ug/l	95
49) 1,4-Dioxane	9.46	88	21929	1226.282	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	574665	311.566	ug/l	99
52) Toluene	10.38	92	329292	56.190	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192757	60.869	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	222685	58.238	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	98866	59.820	ug/l	98
56) Ethyl methacrylate	10.65	69	148407	61.697	ug/l	100
57) 1,3-Dichloropropane	10.93	76	186507	59.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	367875	297.994	ug/l	99
59) 2-Hexanone	10.97	43	390343	299.099	ug/l	100
60) Dibromochloromethane	11.13	129	113965	61.909	ug/l	100
61) 1,2-Dibromoethane	11.23	107	93787	60.911	ug/l	99
64) Tetrachloroethene	10.86	164	112734	57.909	ug/l	98
65) Chlorobenzene	11.66	112	333151	56.346	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	123586	59.916	ug/l	98
67) Ethyl Benzene	11.73	91	641737	56.344	ug/l	100
68) m/p-Xylenes	11.83	106	461192	112.413	ug/l	99
69) o-Xylene	12.16	106	219034	57.684	ug/l	98
70) Styrene	12.18	104	387879	59.015	ug/l	99
71) Bromoform	12.35	173	66431	64.642	ug/l	99
73) Isopropylbenzene	12.46	105	610539	54.837	ug/l	99
74) N-amyl acetate	12.27	43	201492	59.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117744	57.685	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	81358m	56.221	ug/l	
77) Bromobenzene	12.74	156	138077	57.325	ug/l	97
78) n-propylbenzene	12.80	91	737420	54.254	ug/l	98
79) 2-Chlorotoluene	12.89	91	423713	54.908	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	522763	56.191	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	38659	58.572	ug/l	97
82) 4-Chlorotoluene	12.99	91	444361	54.995	ug/l	100
83) tert-Butylbenzene	13.21	119	443198	56.238	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	519777	55.618	ug/l	99
85) sec-Butylbenzene	13.38	105	618853	54.812	ug/l	100
86) p-Isopropyltoluene	13.50	119	563703	55.906	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	261683	55.544	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	263339	56.294	ug/l	99
89) n-Butylbenzene	13.82	91	542992	54.153	ug/l	99
90) Hexachloroethane	14.09	117	99114	56.027	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	235140	56.893	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21265	61.798	ug/l	97

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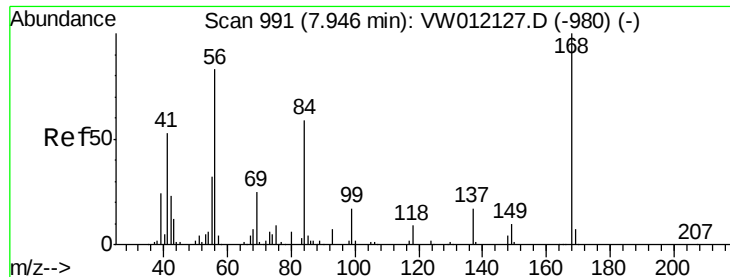
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	165352	57.893	ug/l	99
94) Hexachlorobutadiene	15.24	225	108477	57.519	ug/l	98
95) Naphthalene	15.36	128	320279	56.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	148594	59.630	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 215600

Ion Ratio Lower Upper

168 100

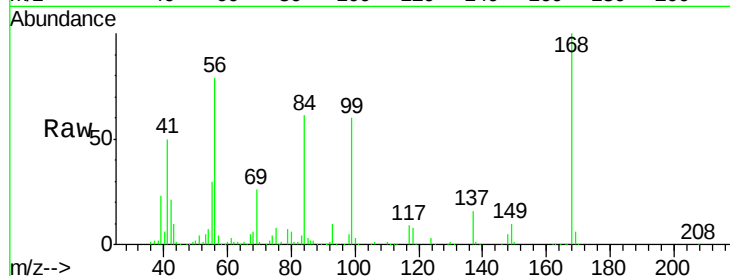
99 59.9 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

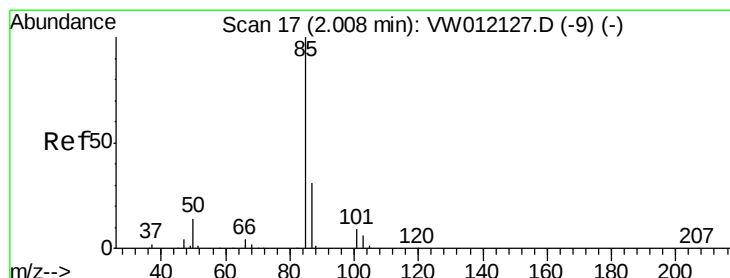
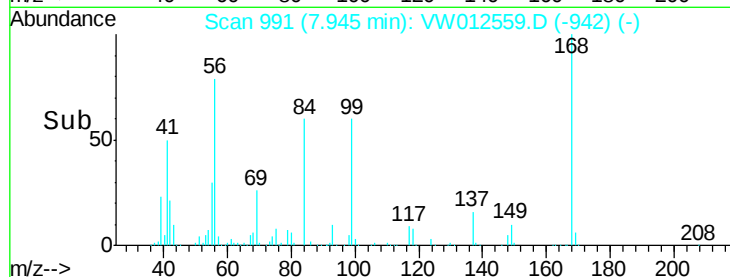
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.604 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012559.D

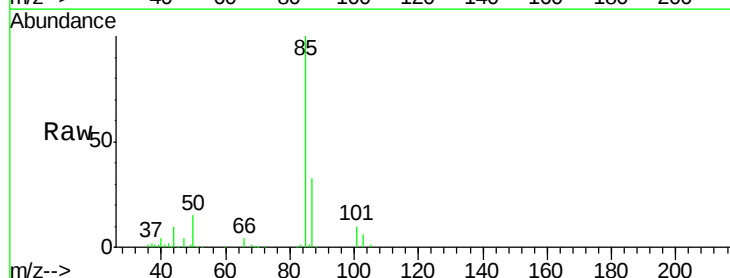
Acq: 03 Sep 2019 21:30

Tgt Ion: 85 Resp: 65851

Ion Ratio Lower Upper

85 100

87 33.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

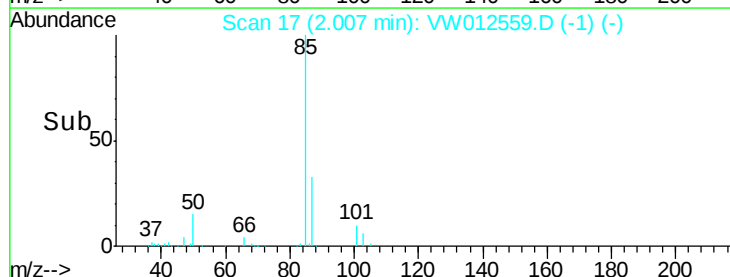
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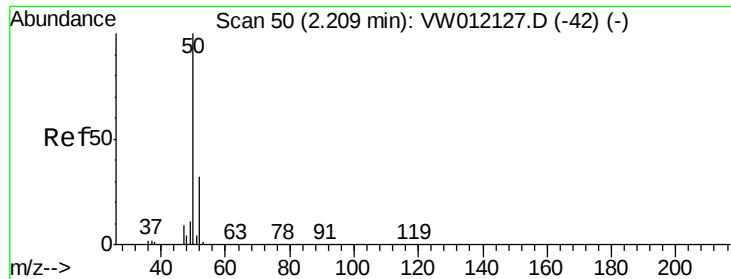
10000

5000

0

Time-->





#3

Chloromethane

Concen: 48.235 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 99206

Ion Ratio Lower Upper

50 100

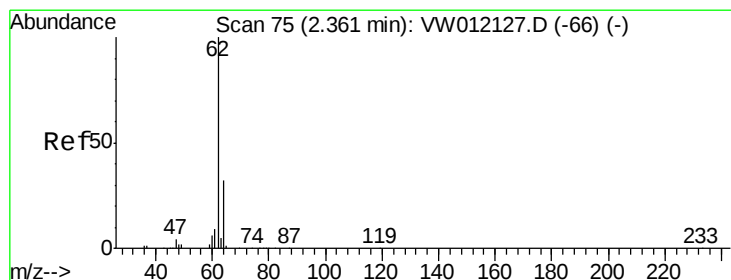
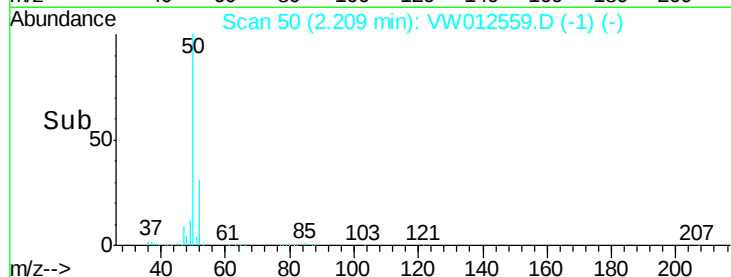
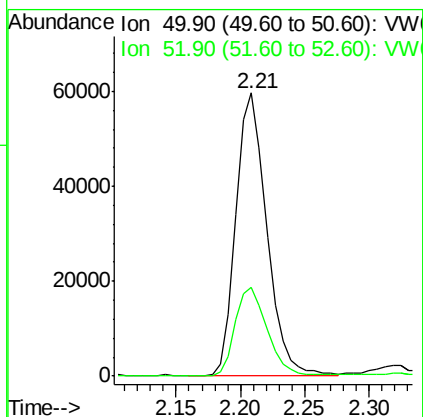
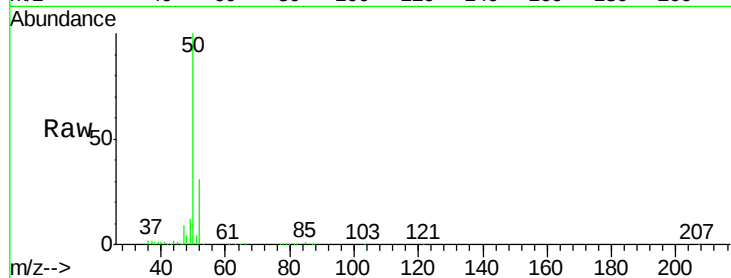
52 31.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.849 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012559.D

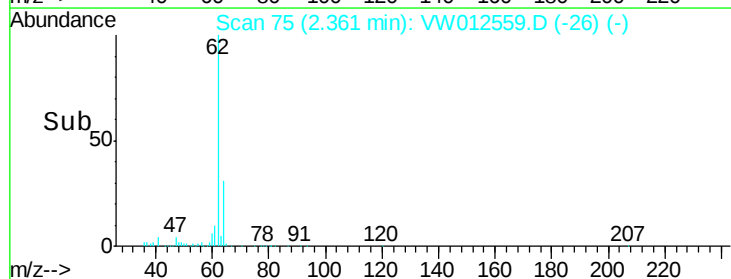
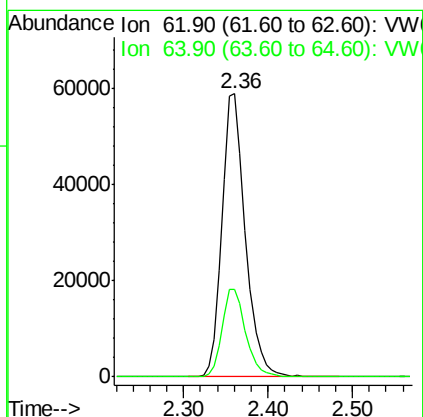
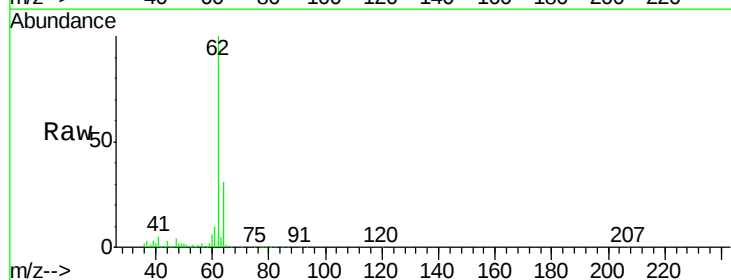
Acq: 03 Sep 2019 21:30

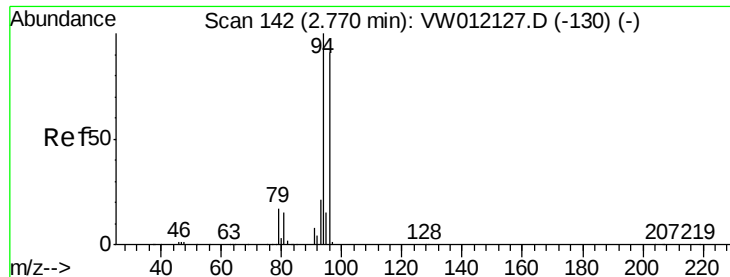
Tgt Ion: 62 Resp: 112900

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 48.919 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

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Tot Ion: 94 Resp: 62367

Ion Ratio Lower Upper

94 100

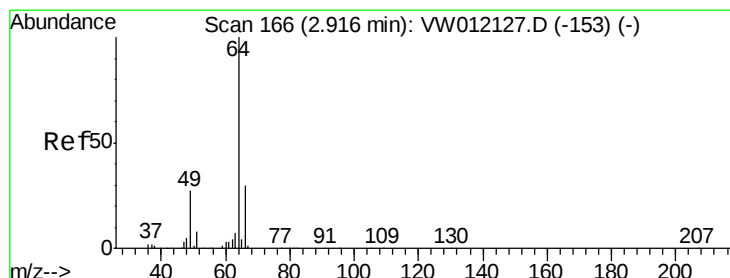
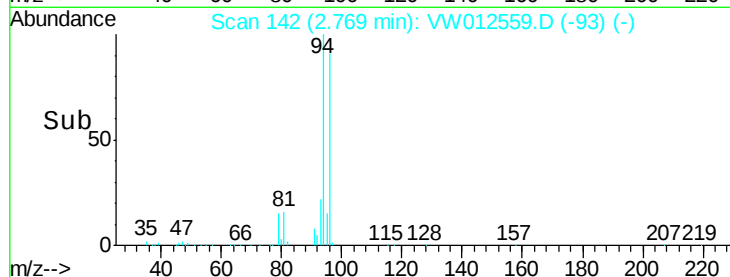
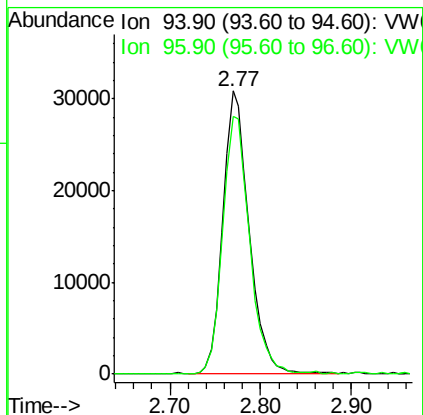
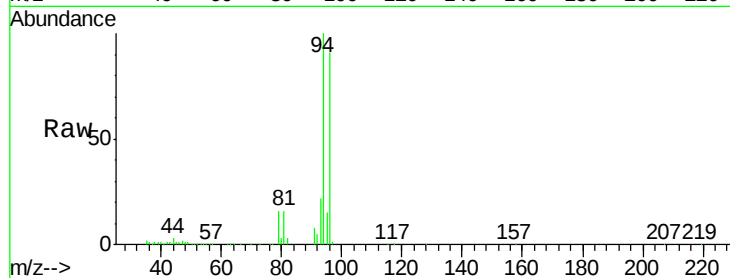
96 91.2 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 46.766 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012559.D

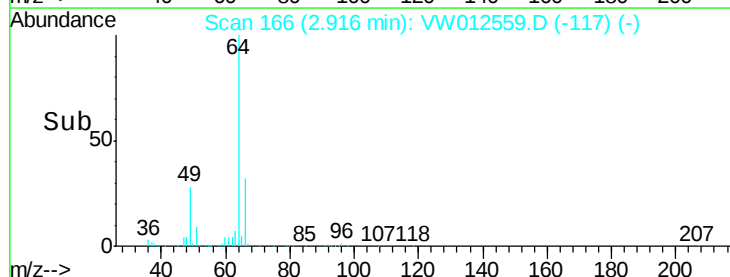
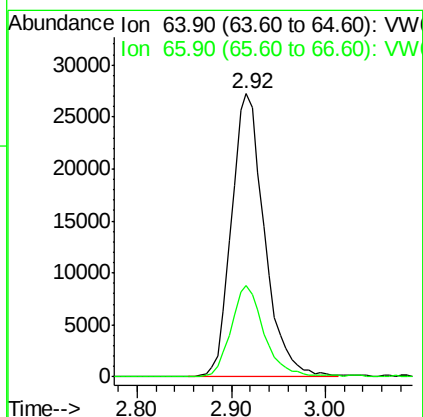
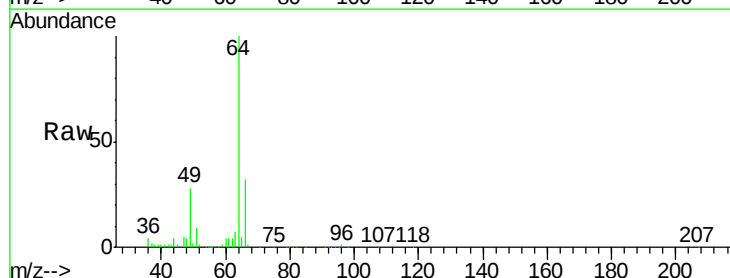
Acq: 03 Sep 2019 21:30

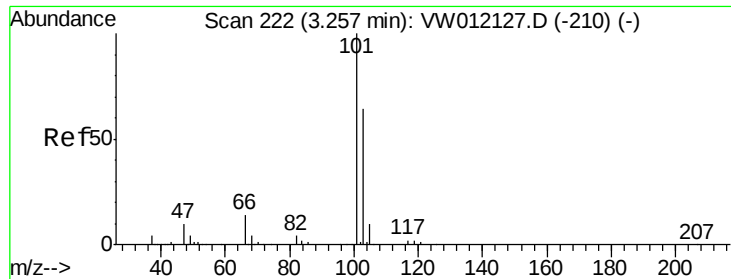
Tgt Ion: 64 Resp: 66411

Ion Ratio Lower Upper

64 100

66 32.3 23.8 35.8





#7

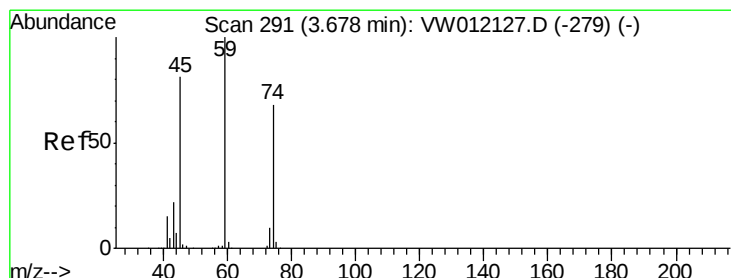
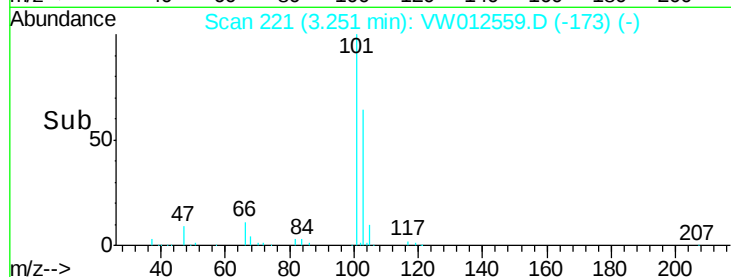
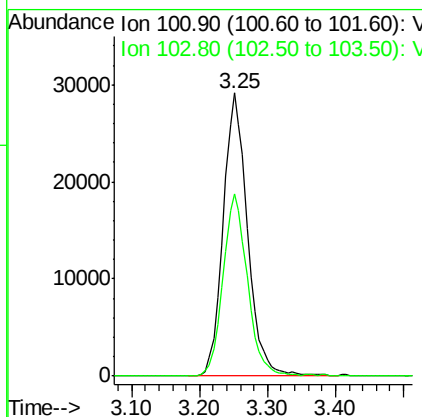
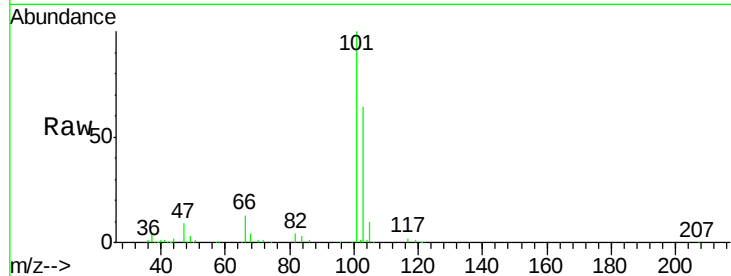
Trichlorofluoromethane
 Concen: 57.174 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012559.D
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Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.2	76.8

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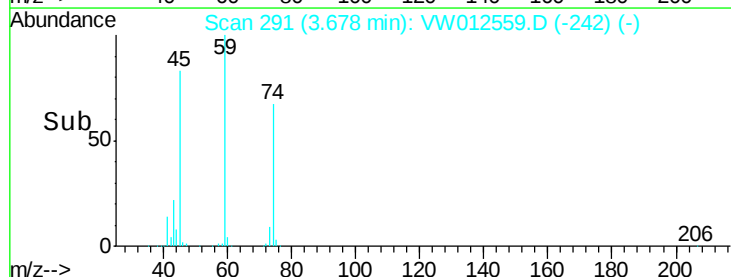
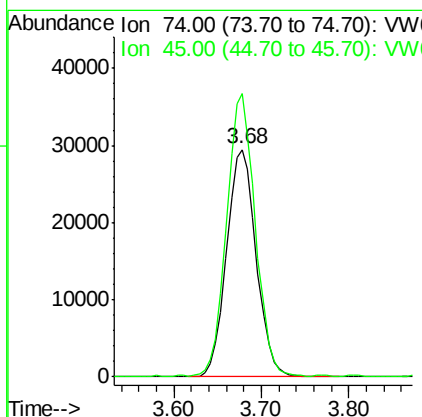
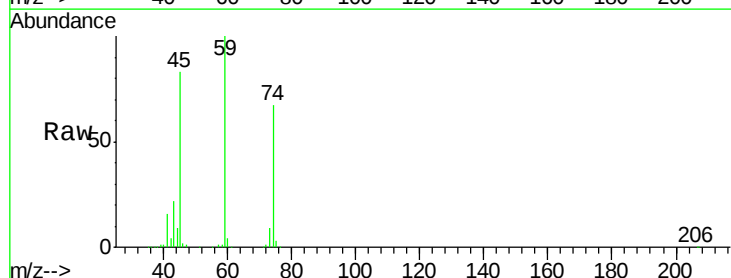
MMDadoda
 9/4/2019 9:34:30 AM

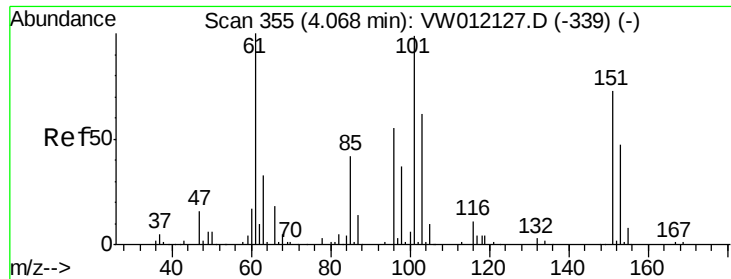


#8

Diethyl Ether
 Concen: 57.737 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.0	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.115 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

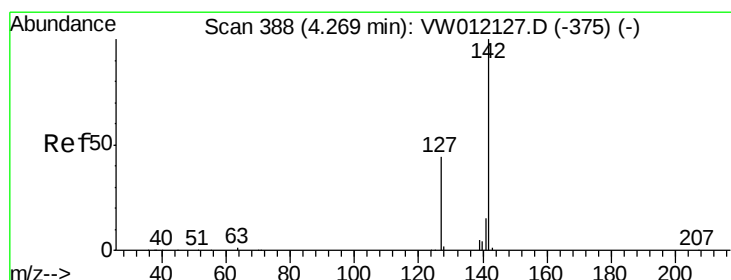
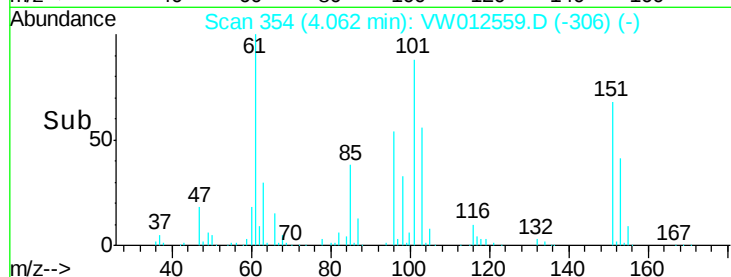
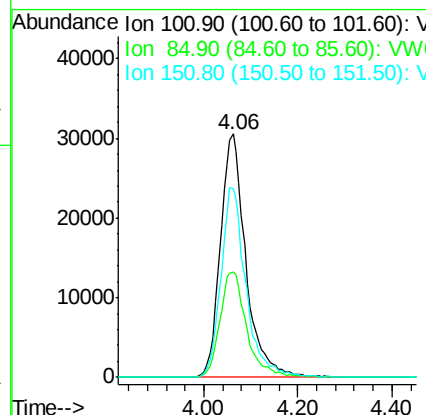
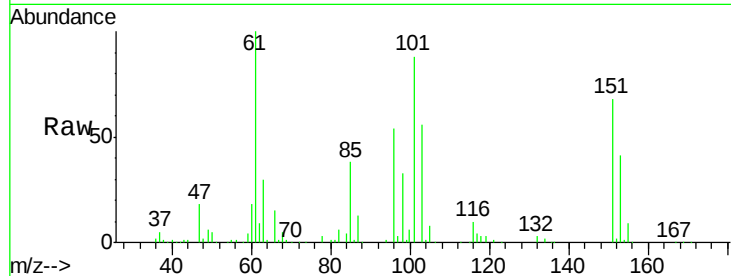
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	114123
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.8	53.6
151	76.9	58.6	87.8

Manual Integrations
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9/4/2019 9:34:30 AM



#10

Methyl Iodide

Concen: 55.609 ug/l

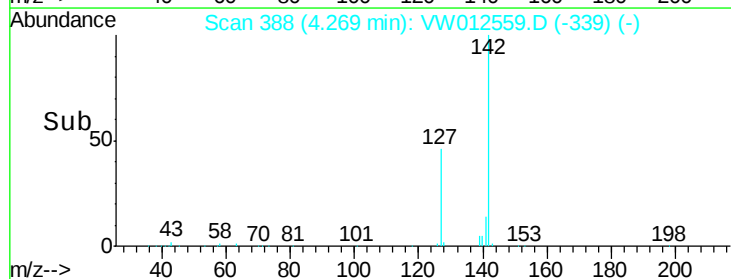
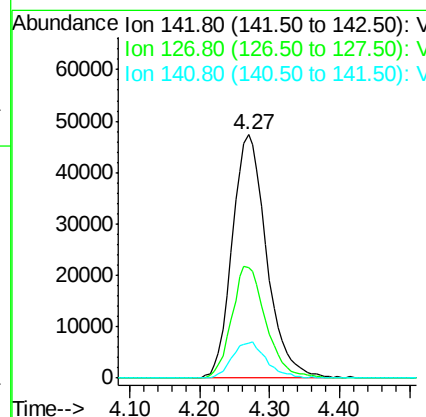
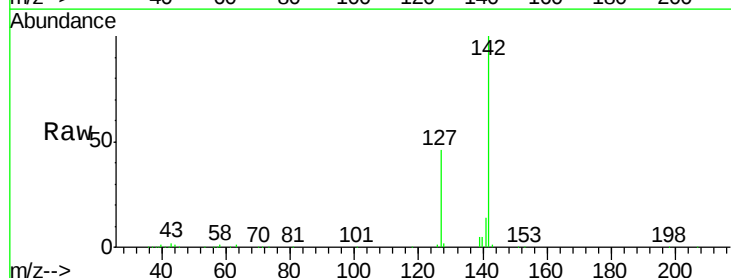
RT: 4.27 min Scan# 388

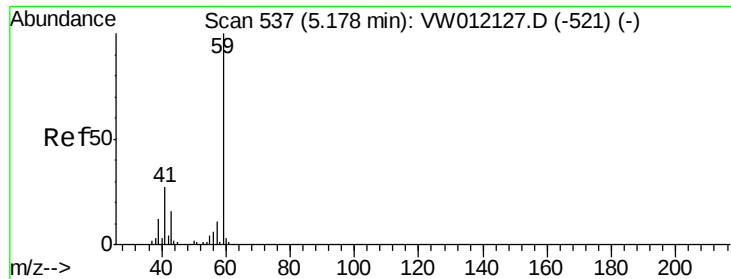
Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Tgt Ion:	142	Resp:	161662
Ion Ratio	Lower	Upper	
142	100		
127	45.7	35.5	53.3
141	14.9	11.8	17.8





#11

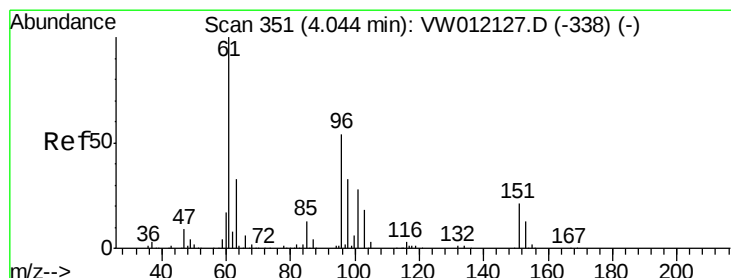
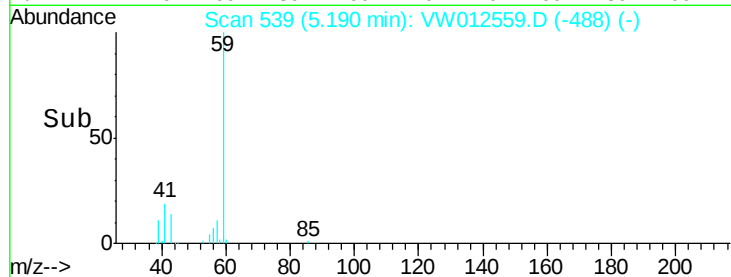
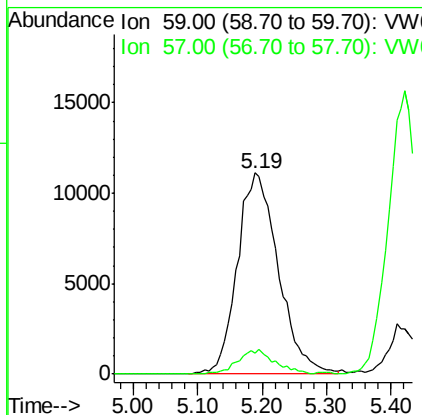
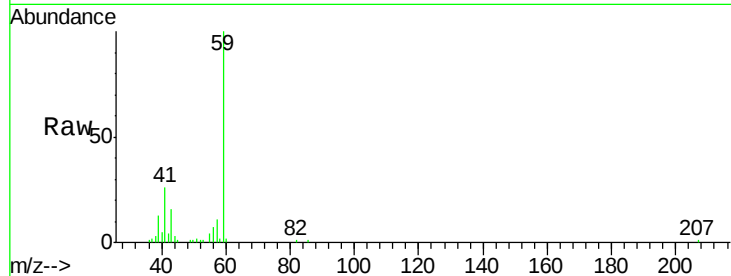
Tert butyl alcohol
Concen: 317.037 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

Manual Integrations
APPROVED

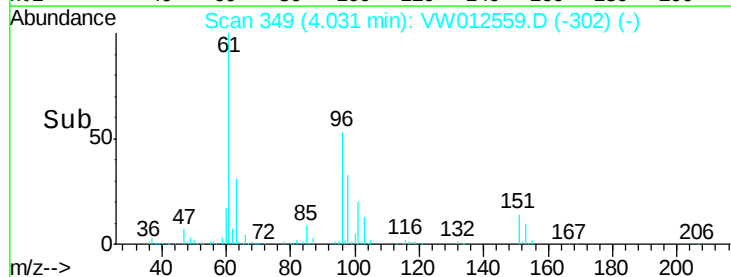
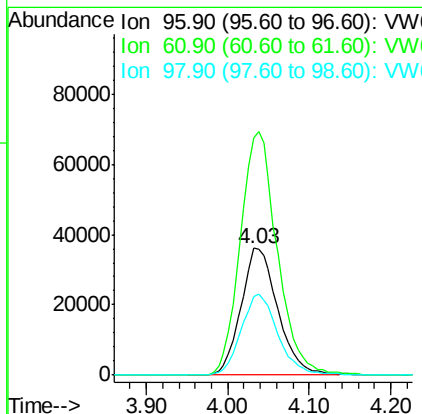
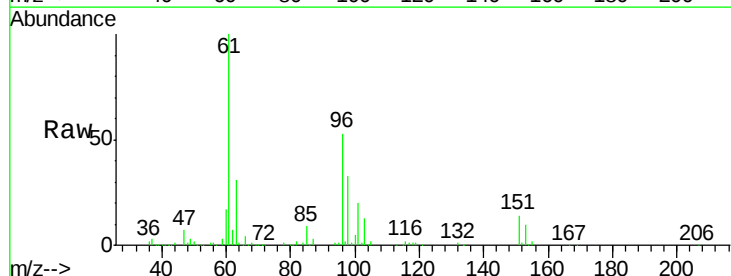
MMDadoda
9/4/2019 9:34:30 AM

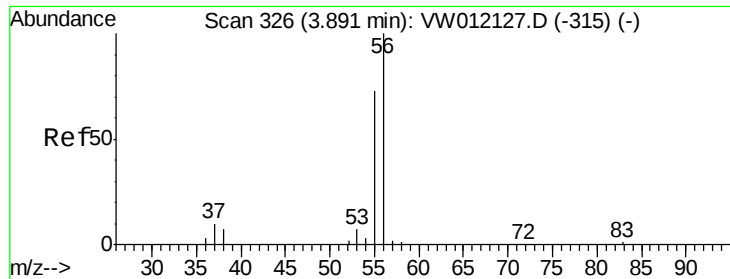


#12

1,1-Dichloroethene
Concen: 52.424 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.2	149.1	223.7
98	61.8	49.4	74.2





#13

Acrolein

Concen: 369.214 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 53605

Ion Ratio Lower Upper

56 100

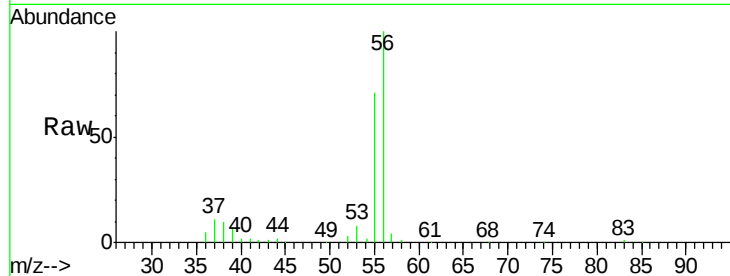
55 70.5 55.8 83.8

Manual Integrations

APPROVED

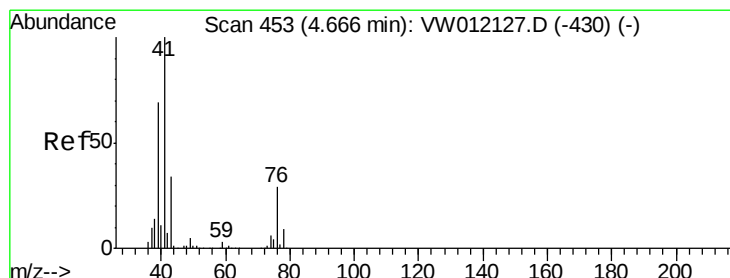
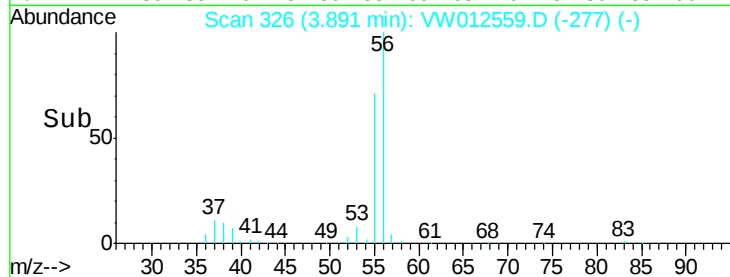
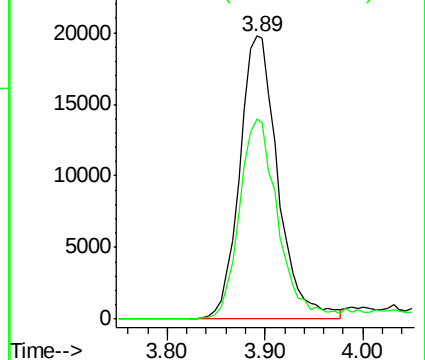
MMDadoda

9/4/2019 9:34:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 54.308 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

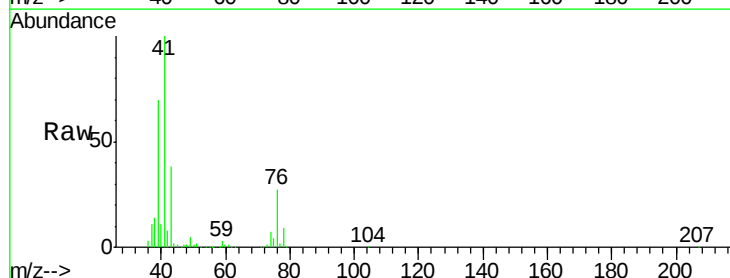
Tgt Ion: 41 Resp: 251079

Ion Ratio Lower Upper

41 100

39 68.4 53.4 80.2

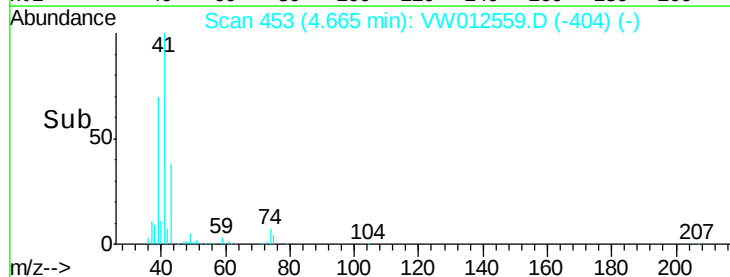
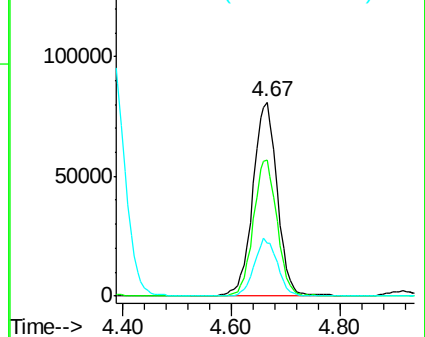
76 28.0 22.1 33.1

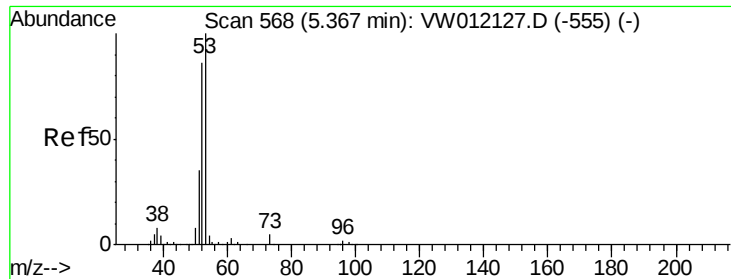


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 300.233 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

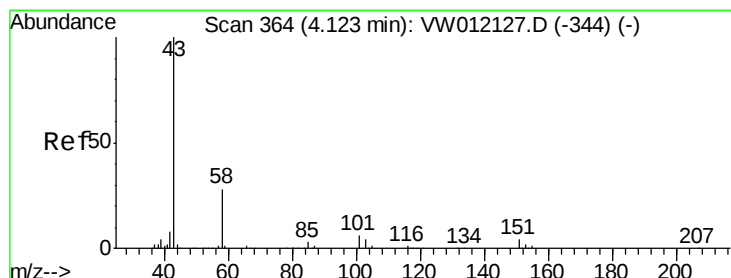
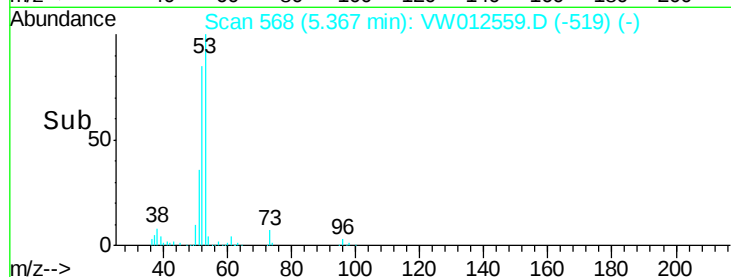
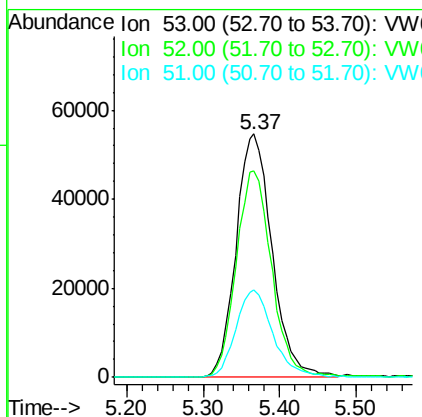
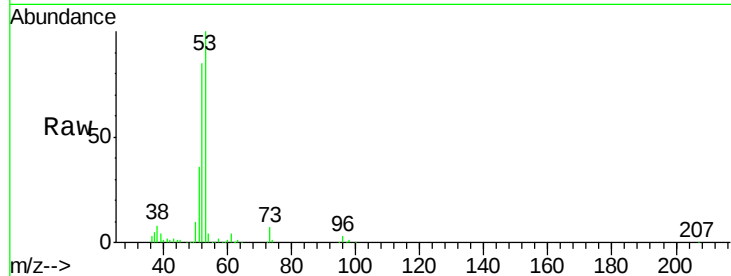
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	178548
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	37.2	30.1	45.1

Manual Integrations
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MMDadoda
9/4/2019 9:34:30 AM



#16

Acetone

Concen: 260.072 ug/l

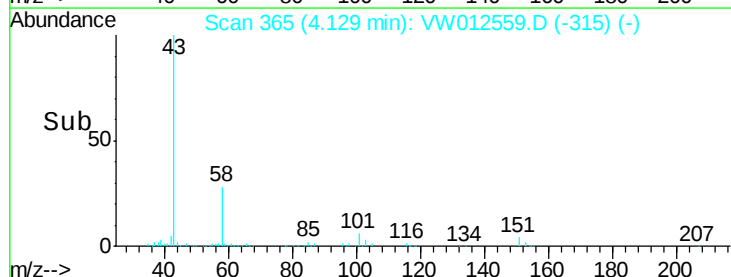
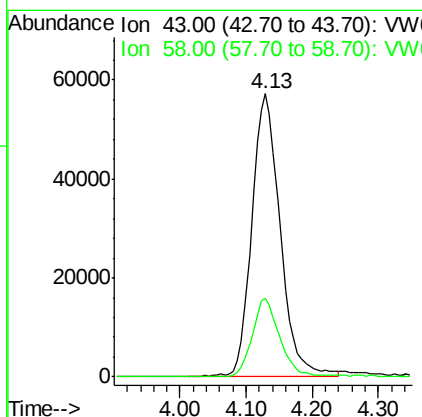
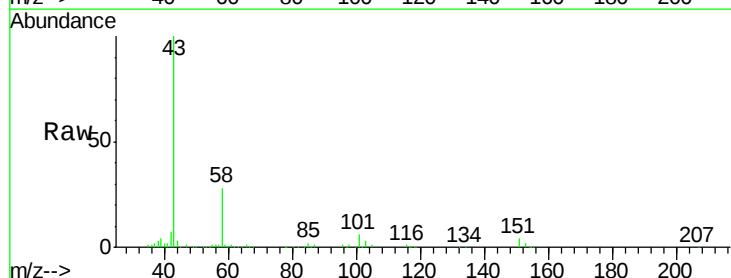
RT: 4.13 min Scan# 365

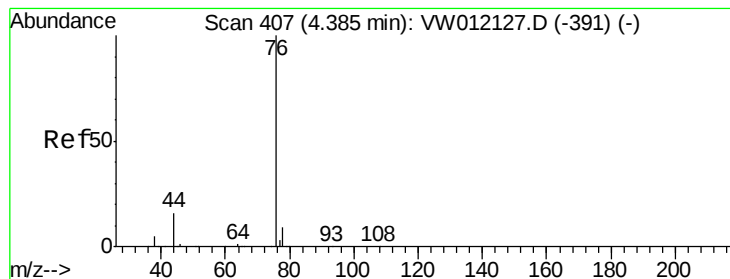
Delta R.T. 0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Tgt Ion:	43	Resp:	170385
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.4	33.6





#17

Carbon Disulfide

Concen: 48.651 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 317968

Ion Ratio Lower Upper

76 100

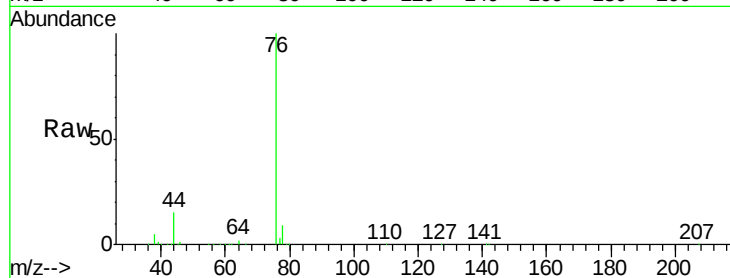
78 9.1 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:34:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

120000

100000

80000

60000

40000

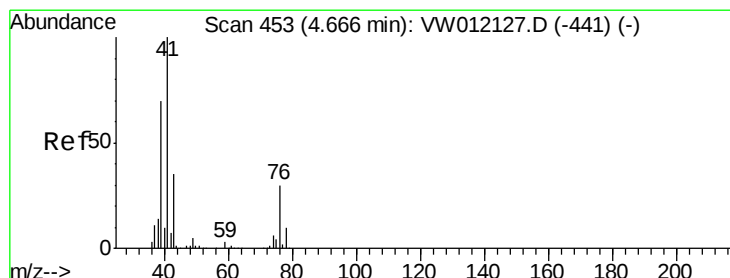
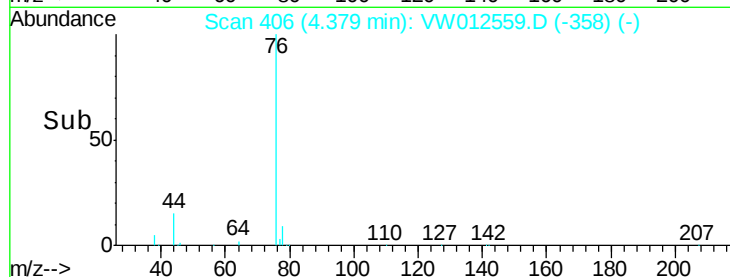
20000

0

4.38

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 60.356 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012559.D

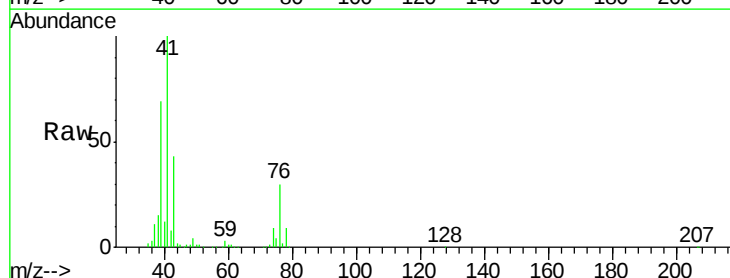
Acq: 03 Sep 2019 21:30

Tgt Ion: 43 Resp: 97938

Ion Ratio Lower Upper

43 100

74 19.8 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

30000

20000

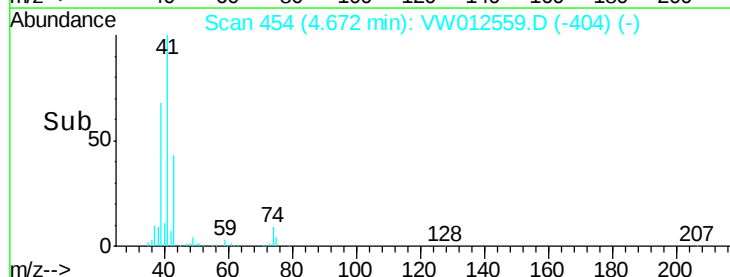
10000

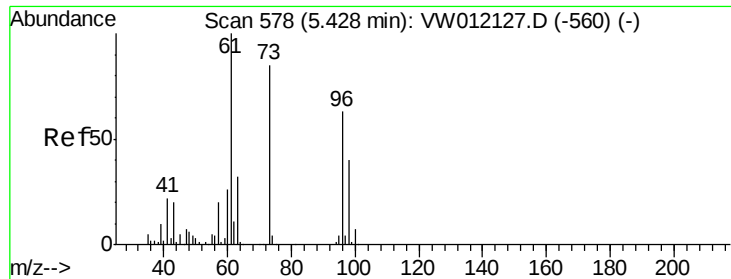
0

4.67

4.50 4.60 4.70 4.80

Time-->





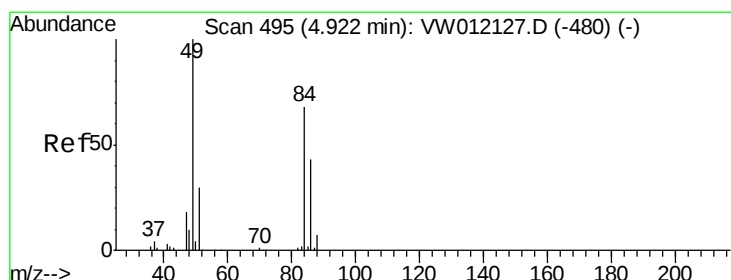
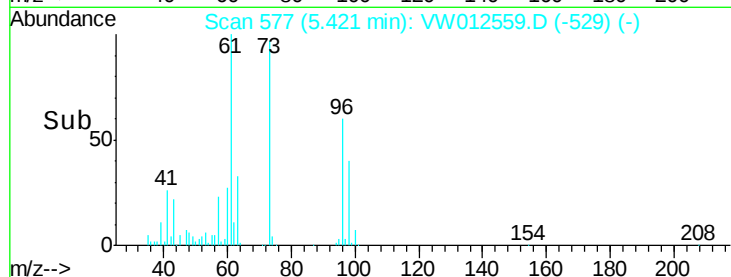
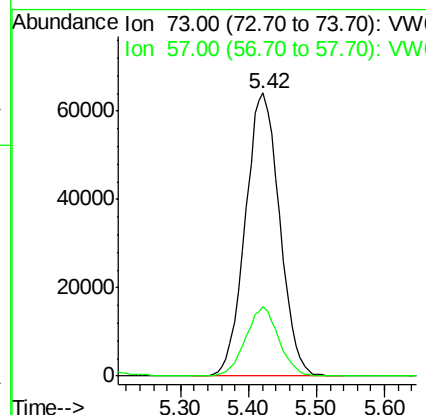
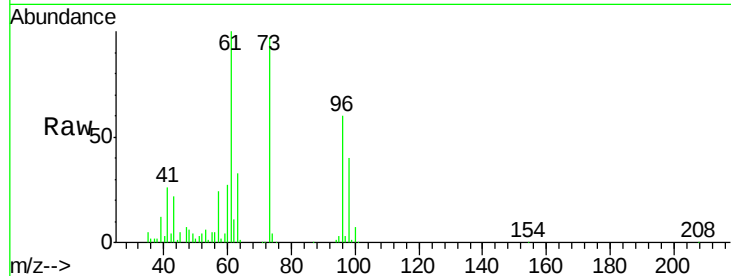
#19
Methvl tert-butvl Ether
Concen: 64.179 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 224447
Ion Ratio Lower Upper
73 100
57 24.4 18.9 28.3

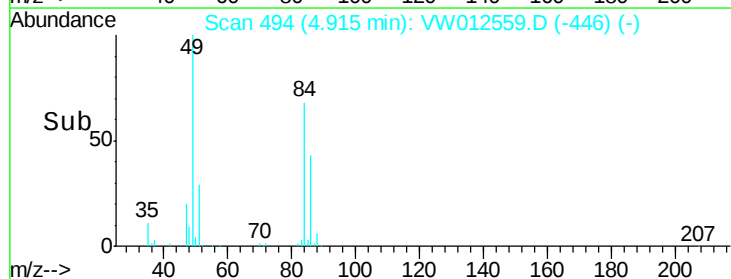
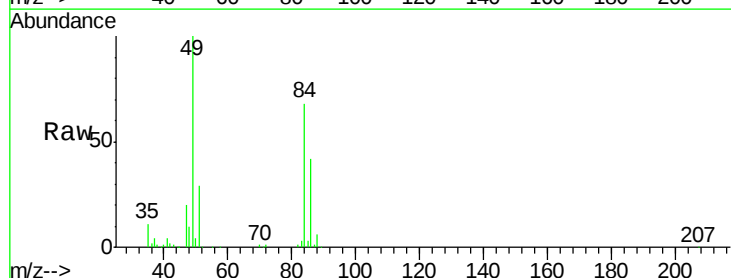
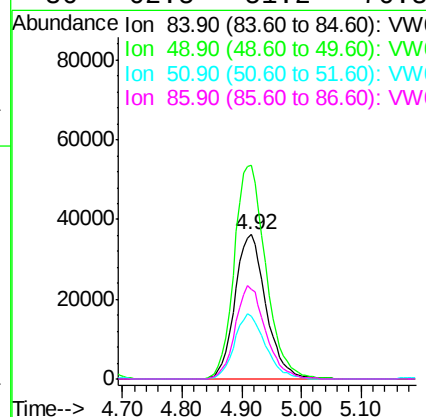
Manual Integrations
APPROVED

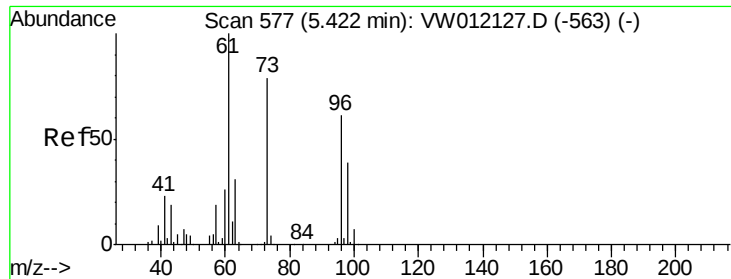
MMDadoda
9/4/2019 9:34:30 AM



#20
Methylene Chloride
Concen: 53.126 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion: 84 Resp: 131579
Ion Ratio Lower Upper
84 100
49 147.7 117.8 176.8
51 43.5 35.6 53.4
86 62.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 54.011 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

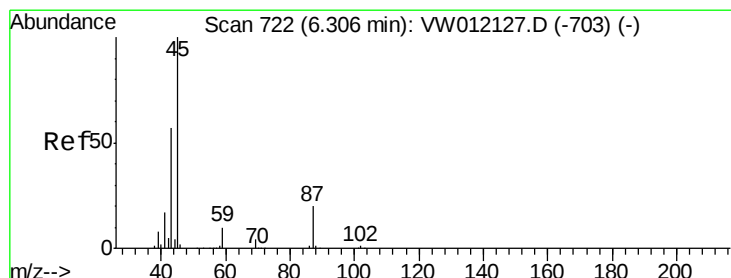
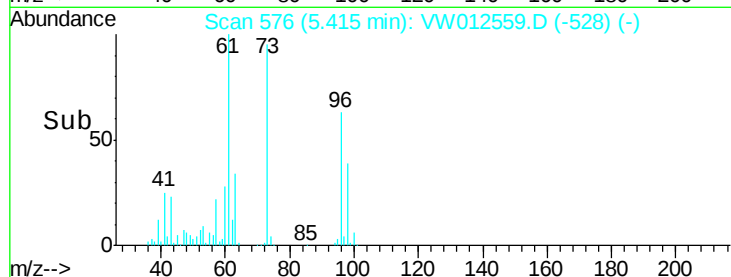
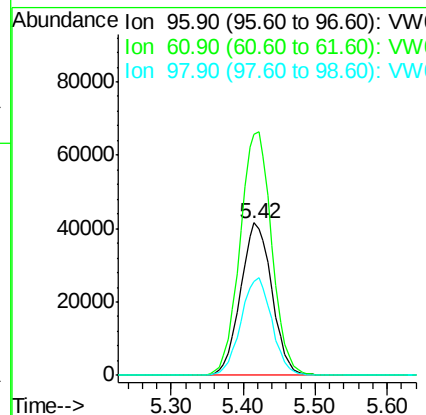
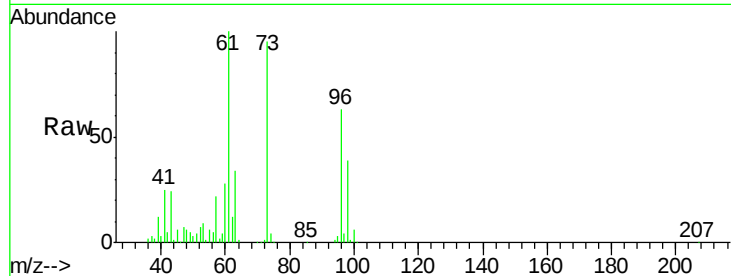
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	125254
Ion	Ratio	Lower	Upper
96	100		
61	158.4	131.4	197.0
98	61.7	51.4	77.0

Manual Integrations
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MMDadoda
9/4/2019 9:34:30 AM



#22

Diisopropyl ether

Concen: 57.191 ug/l

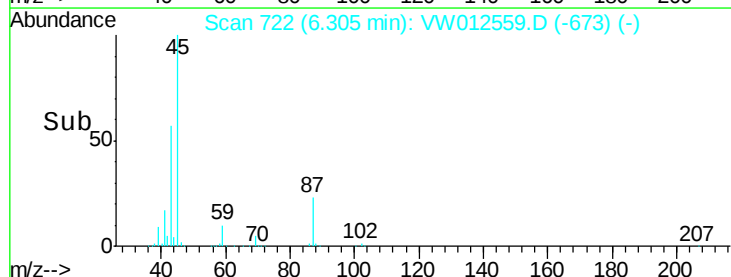
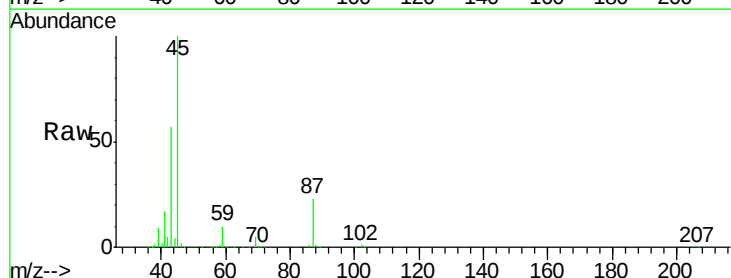
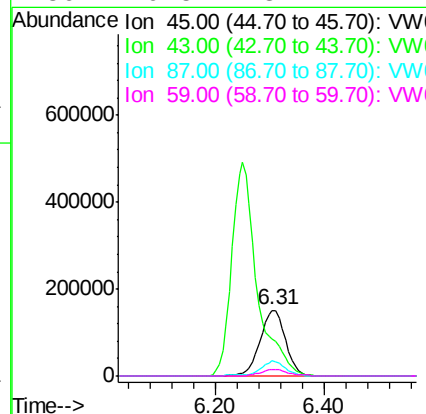
RT: 6.31 min Scan# 722

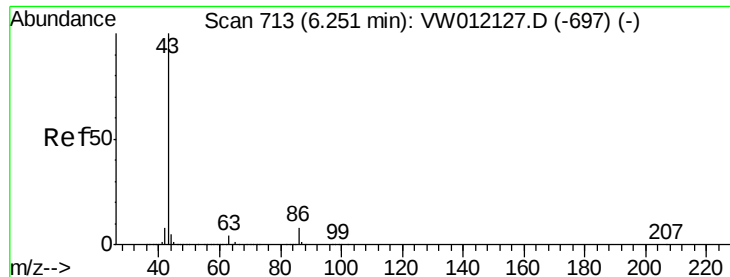
Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Tgt Ion:	45	Resp:	490104
Ion	Ratio	Lower	Upper
45	100		
43	56.9	45.5	68.3
87	22.6	16.1	24.1
59	10.5	8.2	12.2





#23

Vinyl Acetate

Concen: 302.488 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1595288

Ion Ratio Lower Upper

43 100

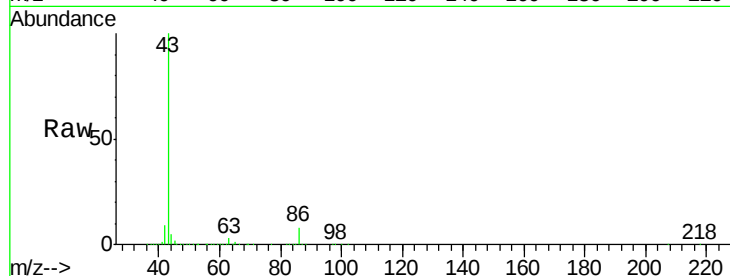
86 8.2 6.5 9.7

Manual Integrations

APPROVED

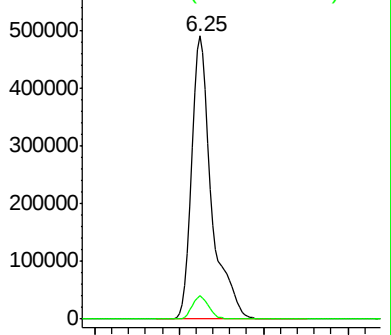
MMDadoda

9/4/2019 9:34:30 AM

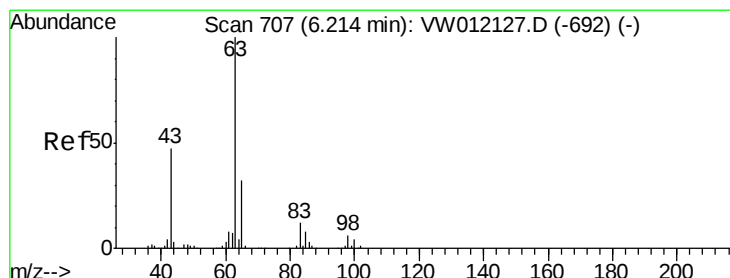
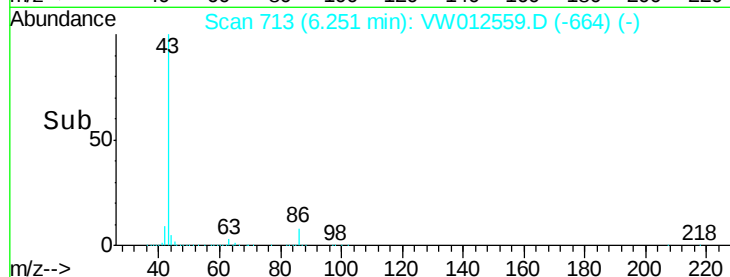


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 56.041 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

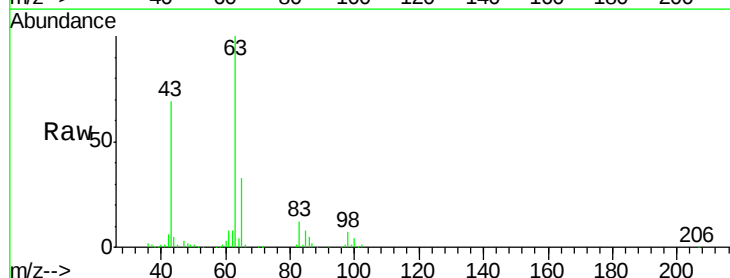
Tgt Ion: 63 Resp: 261488

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

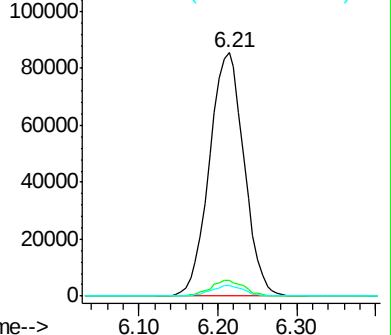
100 4.2 2.0 6.0



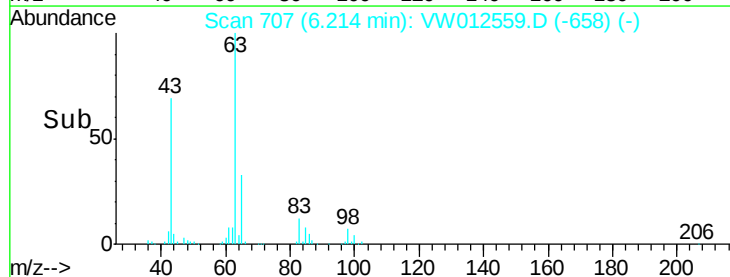
Abundance Ion 62.90 (62.60 to 63.60): VW

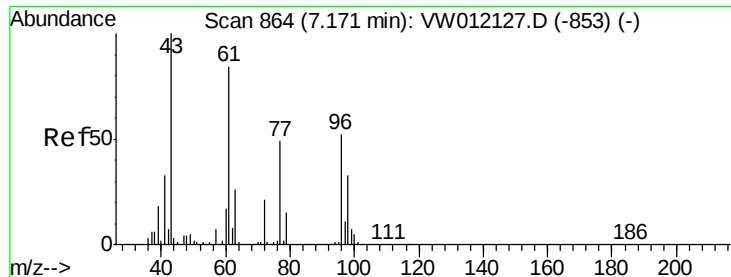
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 284.274 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 253080

Ion Ratio Lower Upper

43 100

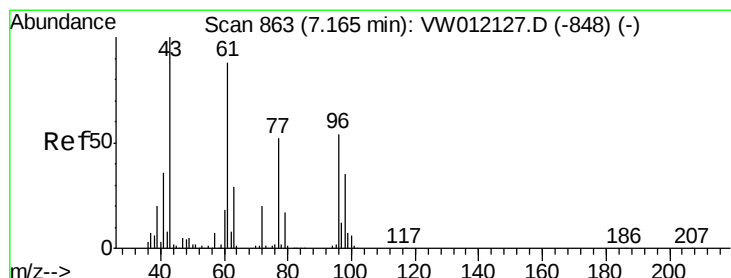
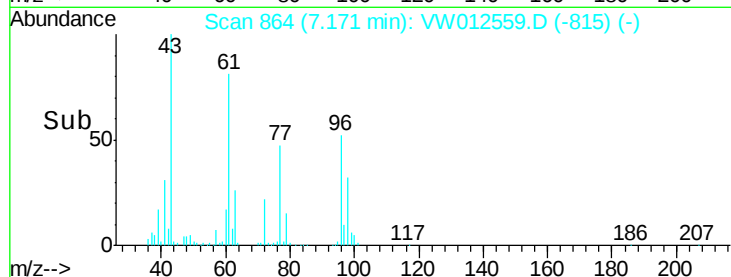
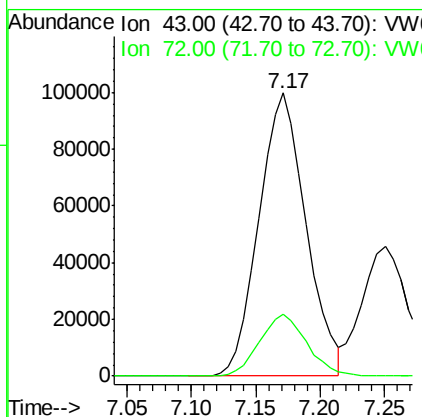
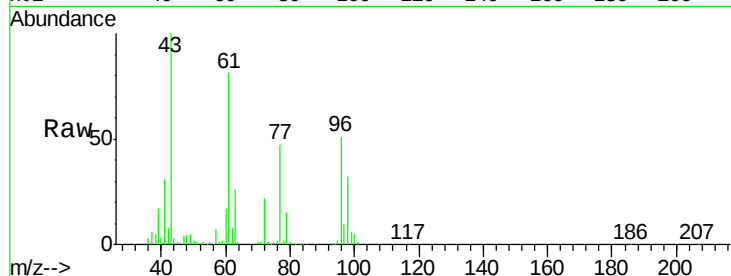
72 21.7 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:34:30 AM



#26

2,2-Dichloropropane

Concen: 55.200 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012559.D

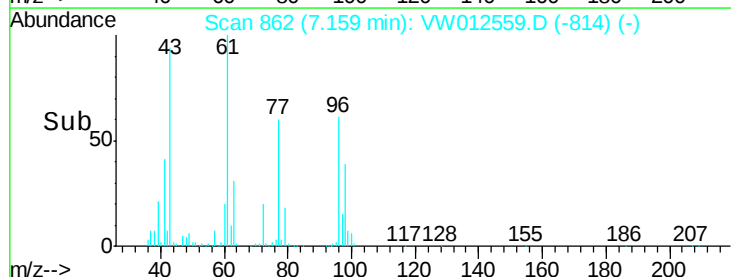
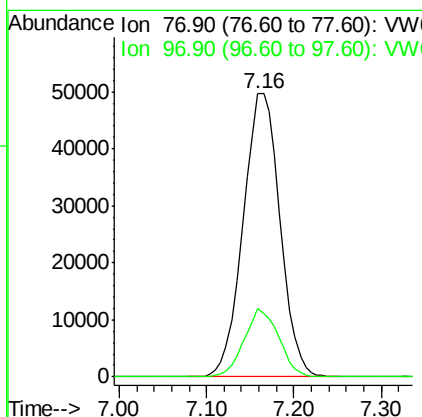
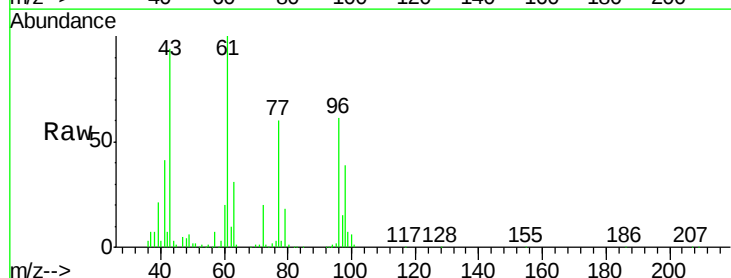
Acq: 03 Sep 2019 21:30

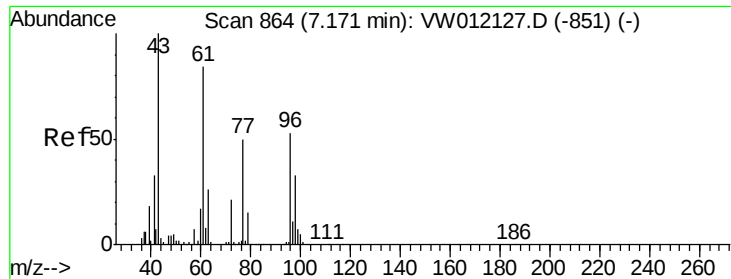
Tgt Ion: 77 Resp: 145785

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.1





#27

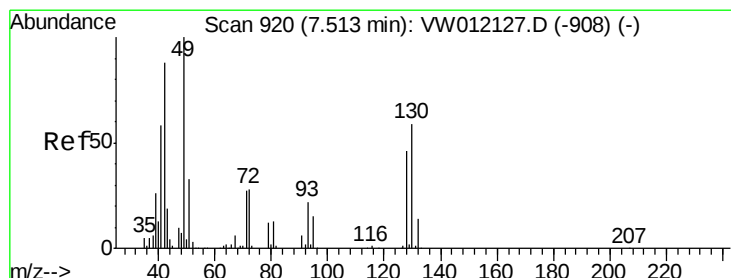
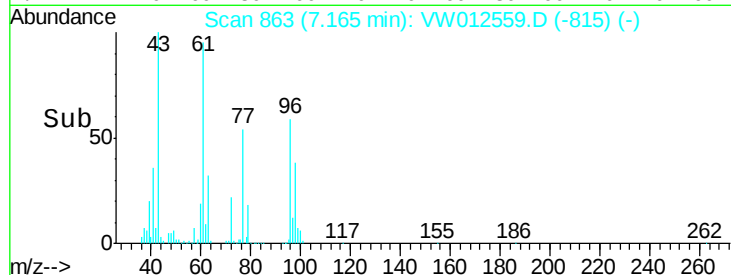
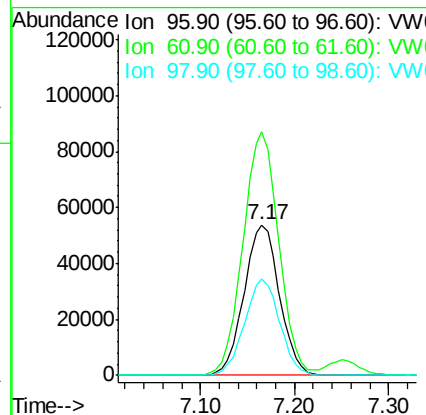
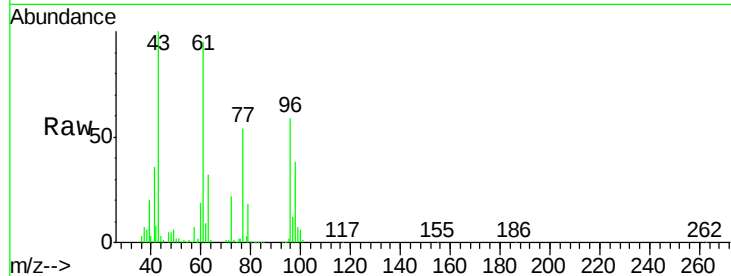
cis-1,2-Dichloroethene
 Concen: 57.160 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	141624		
61	163.2	0.0	326.6	
98	63.5	0.0	127.4	

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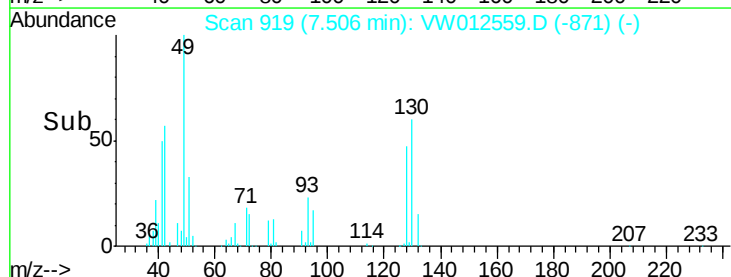
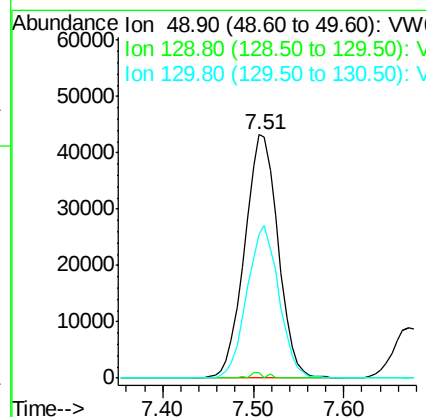
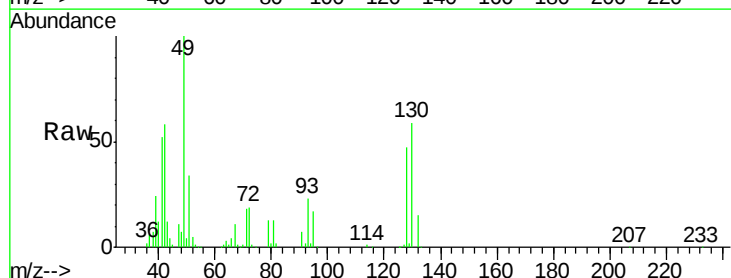
MMDadoda
 9/4/2019 9:34:30 AM

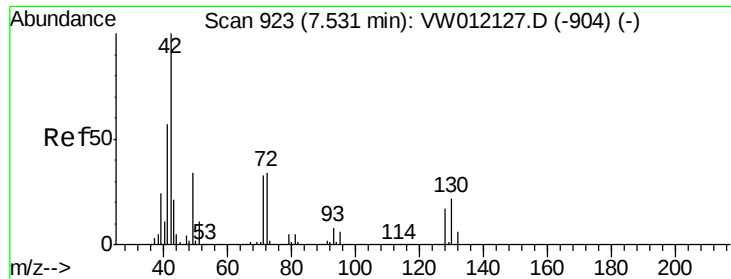


#28

Bromochloromethane
 Concen: 54.268 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110364		
129	1.0	0.0	1.4	
130	59.9	45.5	68.3	





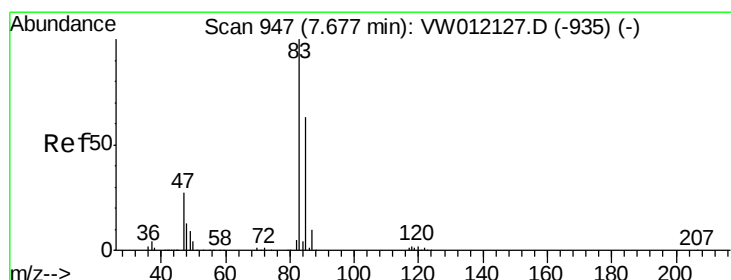
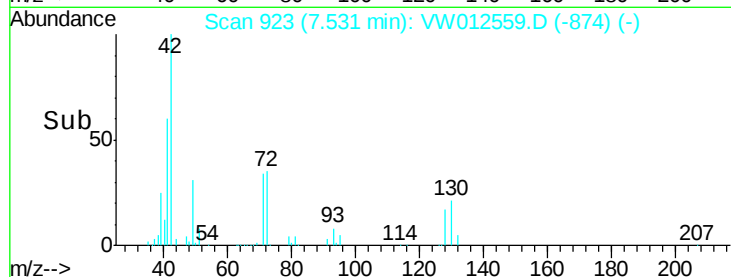
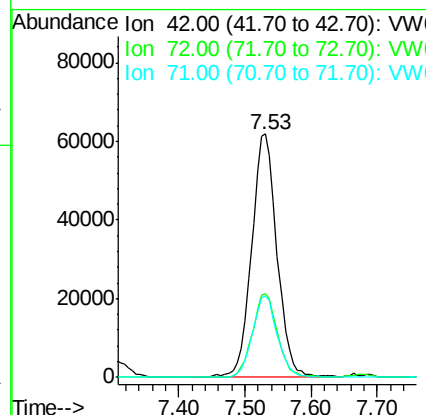
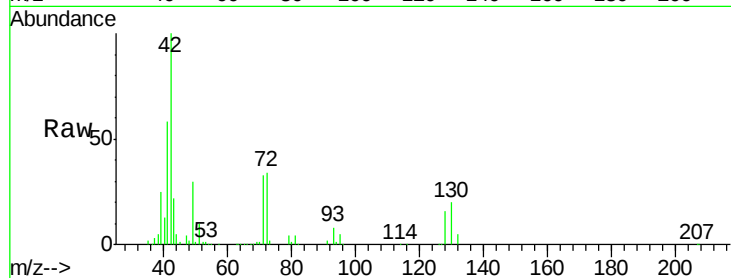
#29
Tetrahydrofuran
Concen: 307.985 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.3	40.9
71	33.0	25.5	38.3

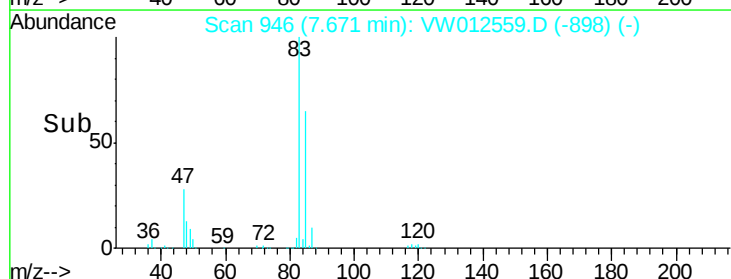
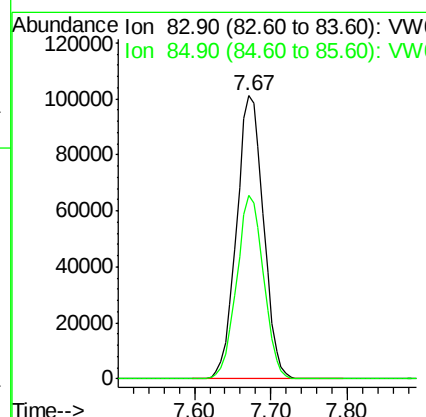
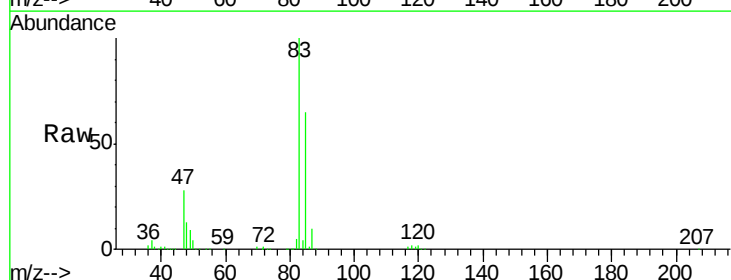
Manual Integrations
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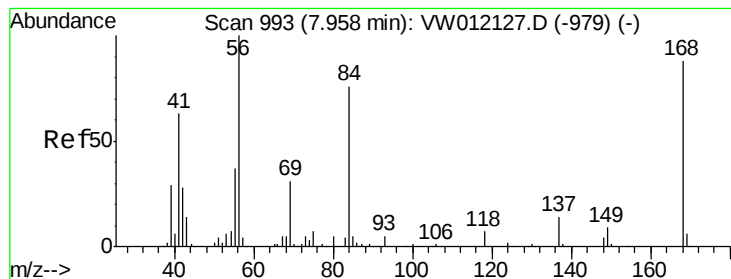
MMDadoda
9/4/2019 9:34:30 AM



#30
Chloroform
Concen: 57.798 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	76.0





#31

Cyclohexane

Concen: 47.572 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

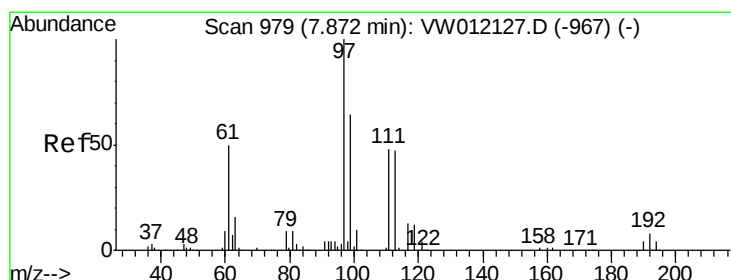
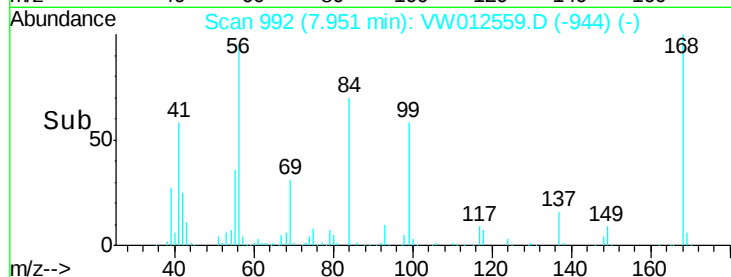
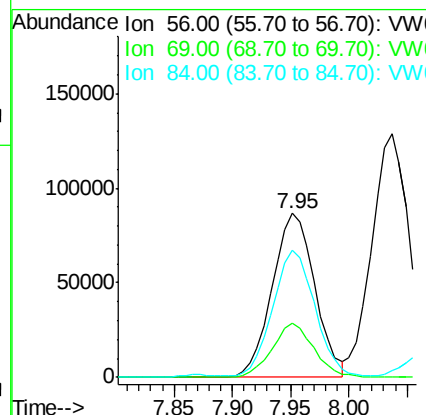
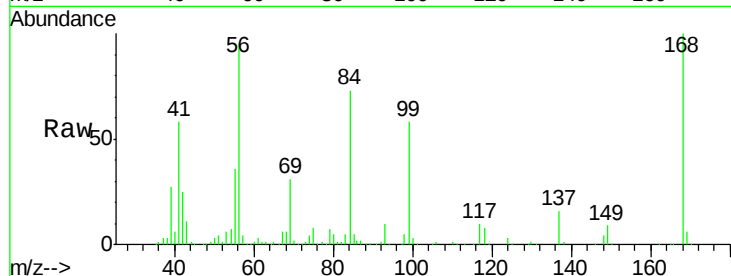
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	24.9	37.3
84	75.5	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 57.960 ug/l

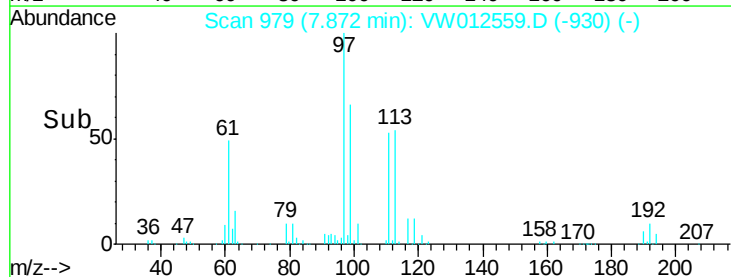
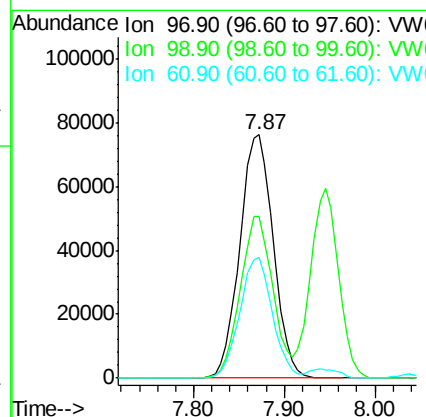
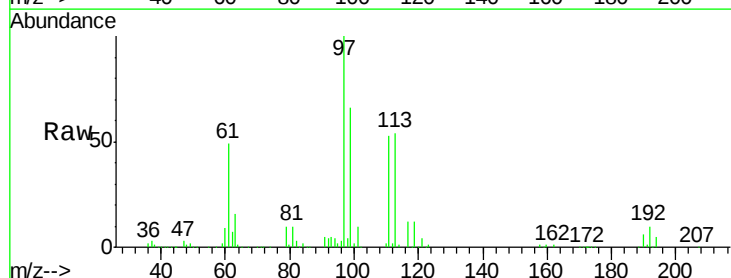
RT: 7.87 min Scan# 979

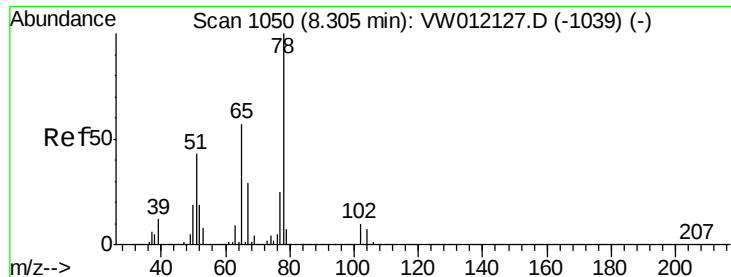
Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	48.4	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 57.483 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 147326

Ion Ratio Lower Upper

65 100

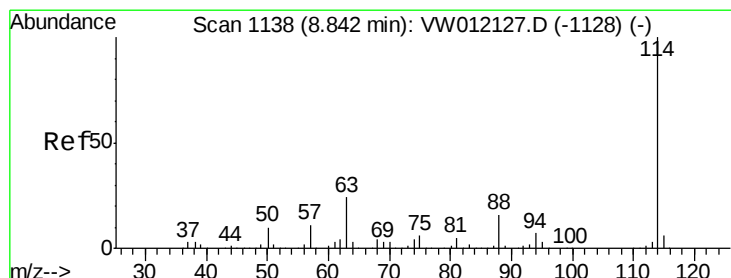
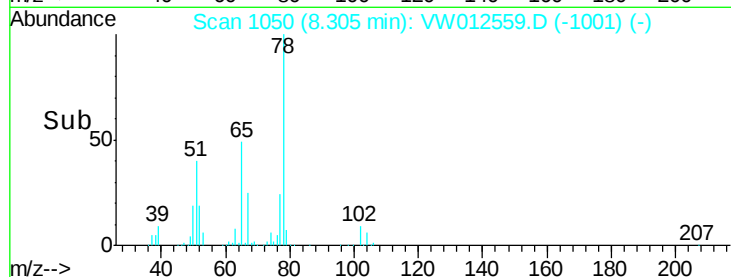
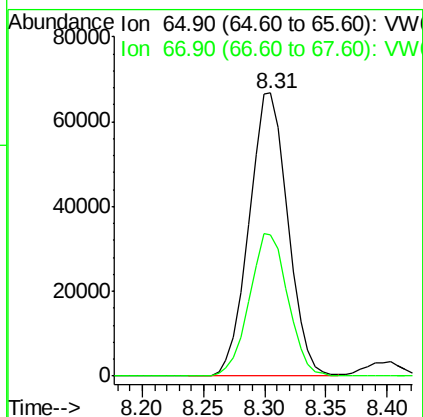
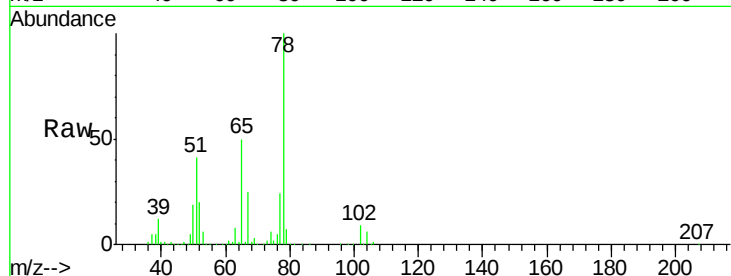
67 50.2 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

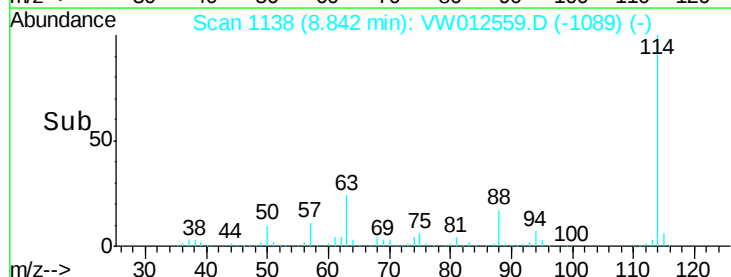
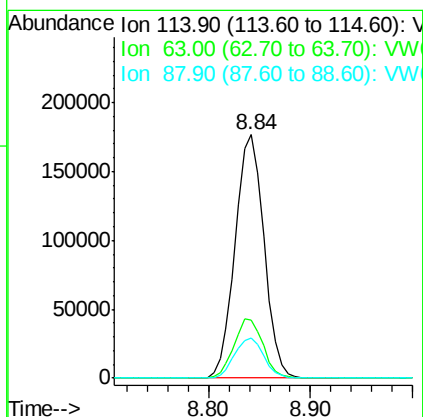
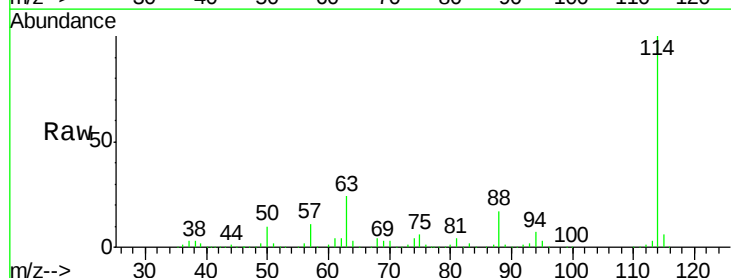
Tgt Ion: 114 Resp: 345714

Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.6

88 16.5 0.0 32.2





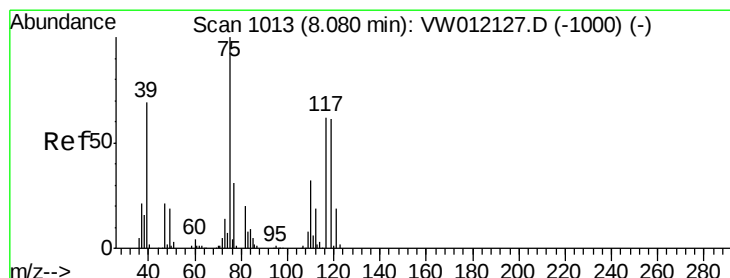
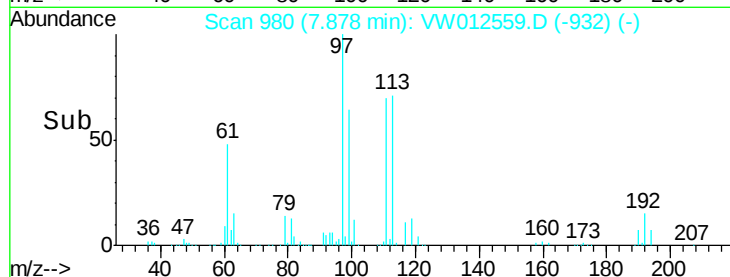
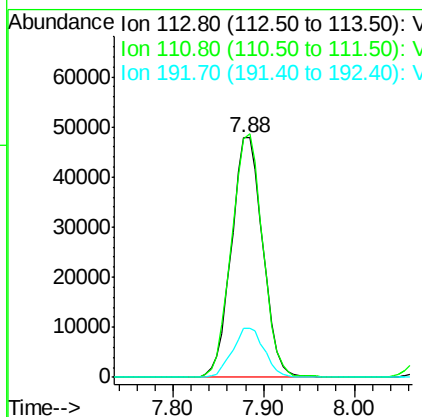
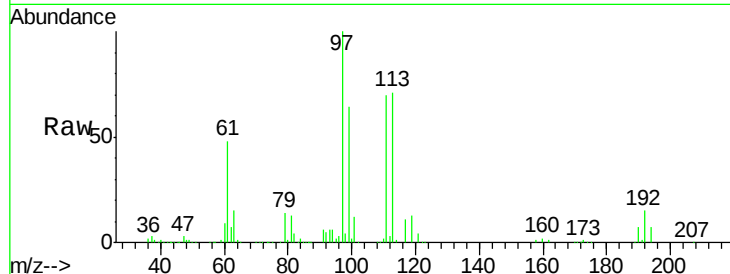
#35
 Dibromofluoromethane
 Concen: 55.553 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114637		
111	101.4	82.7	124.1	
192	21.0	16.2	24.2	

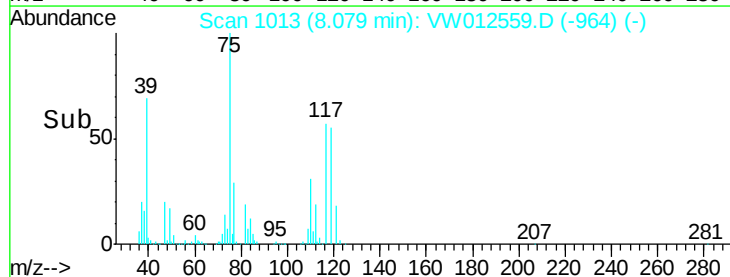
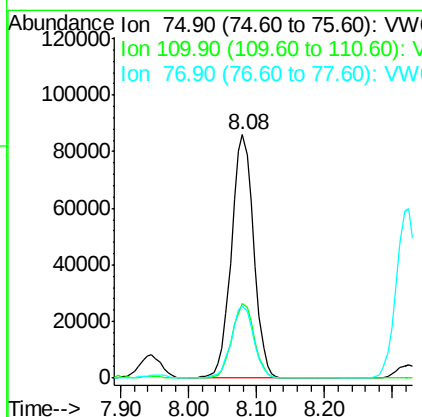
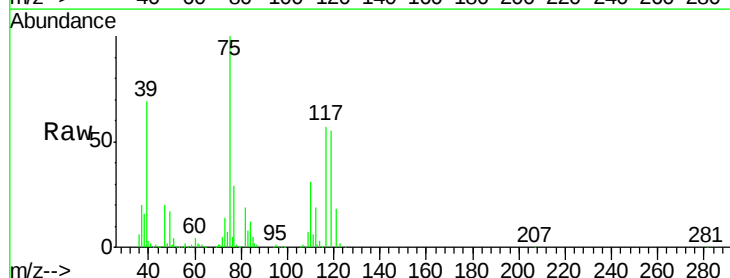
Manual Integrations
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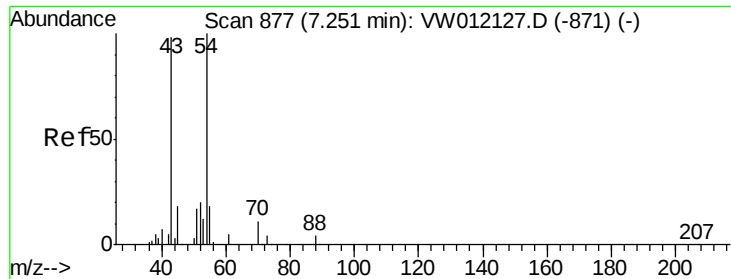
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 54.721 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	195493		
110	30.6	15.6	46.8	
77	29.9	24.6	36.8	





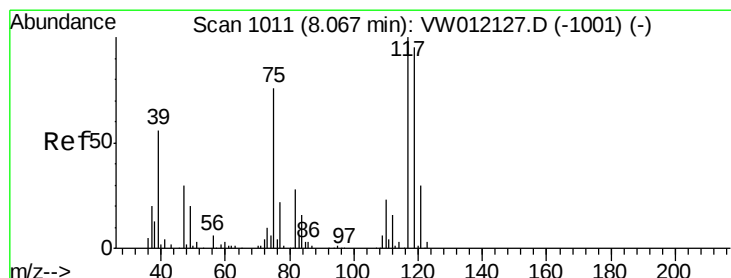
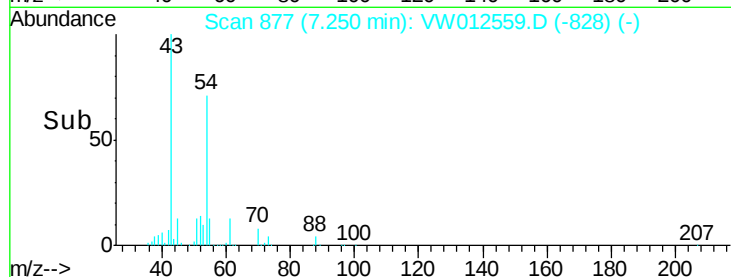
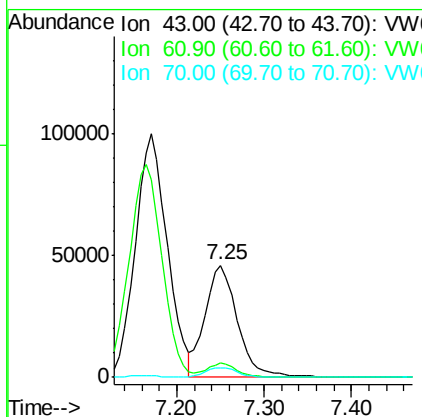
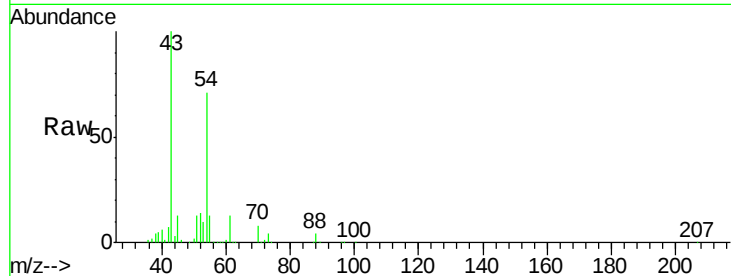
#37
Ethyl Acetate
Concen: 59.930 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	117326		
61	11.6		9.2	13.8
70	8.6		6.9	10.3

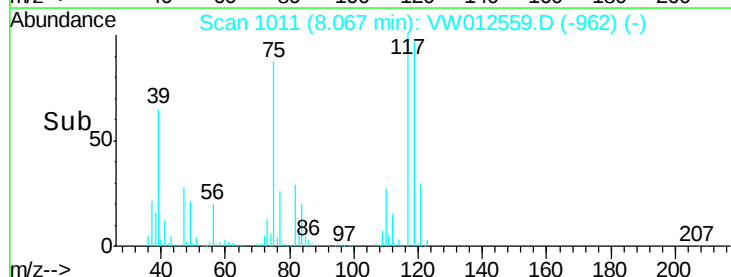
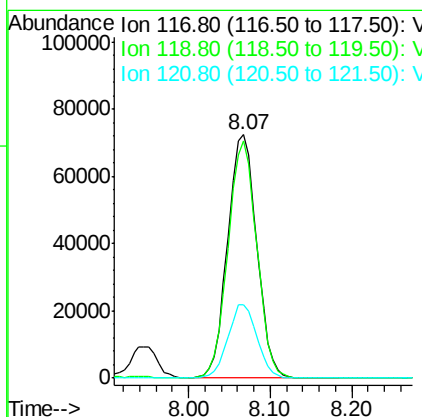
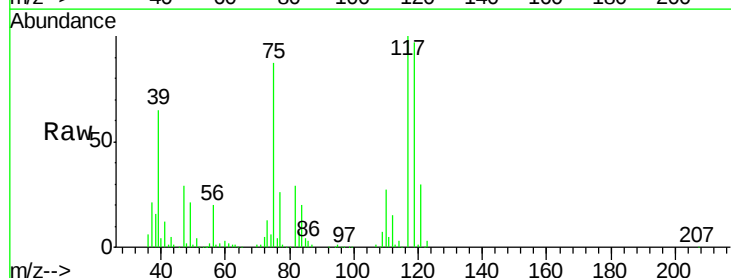
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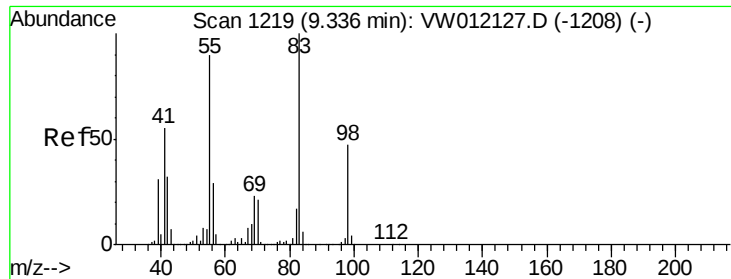
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#38
Carbon Tetrachloride
Concen: 57.692 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	178392		
119	97.4		76.2	114.2
121	30.3		23.8	35.8





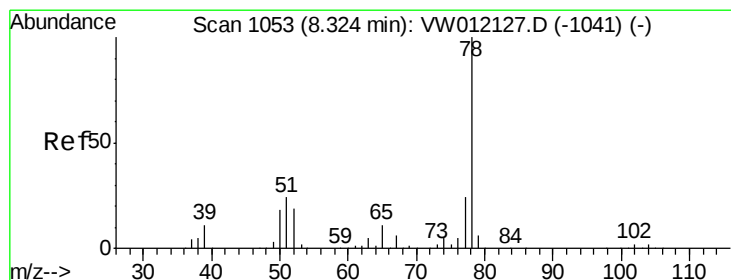
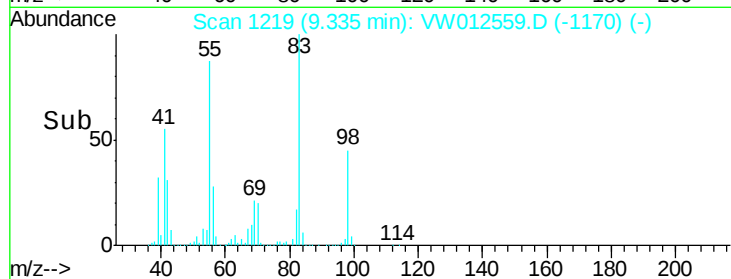
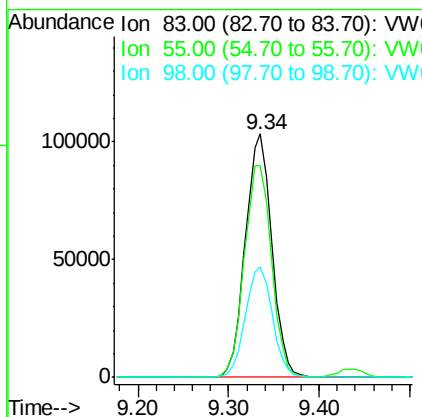
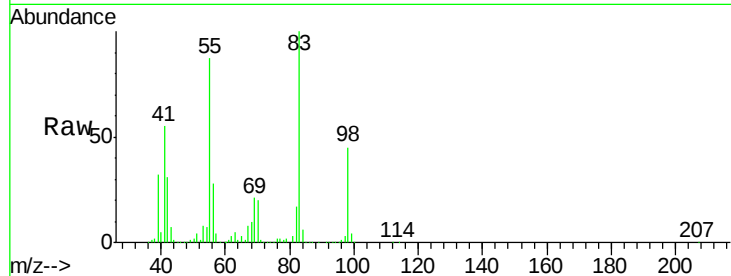
#39
Methvlcvclohexane
Concen: 52.167 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.6	71.8	107.8
98	45.3	37.8	56.8

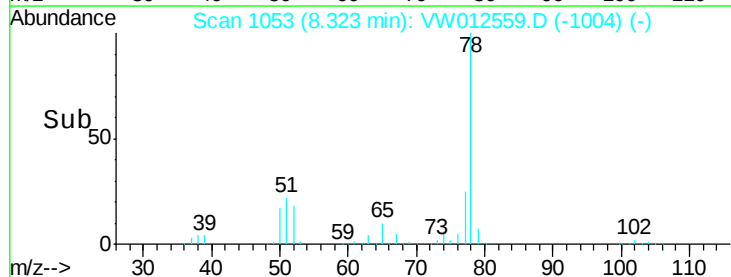
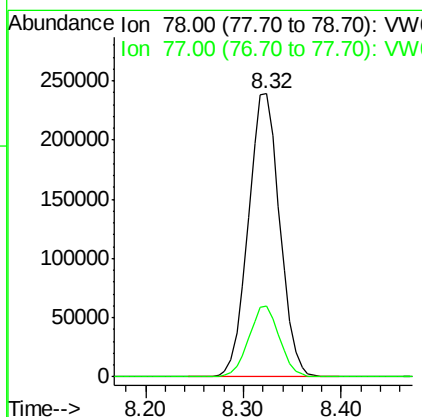
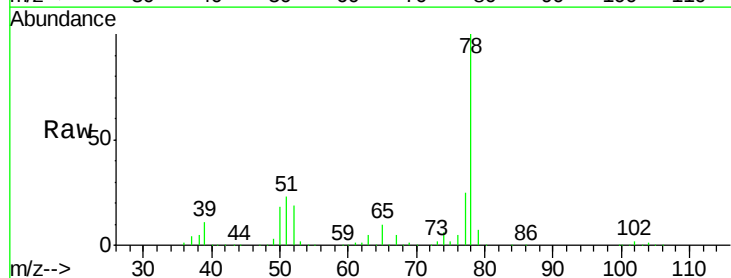
Manual Integrations
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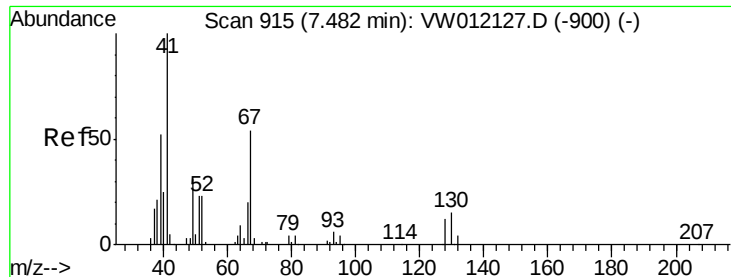
MMDadoda
9/4/2019 9:34:30 AM



#40
Benzene
Concen: 54.980 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.5	29.3





#41

Methacrylonitrile

Concen: 61.173 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

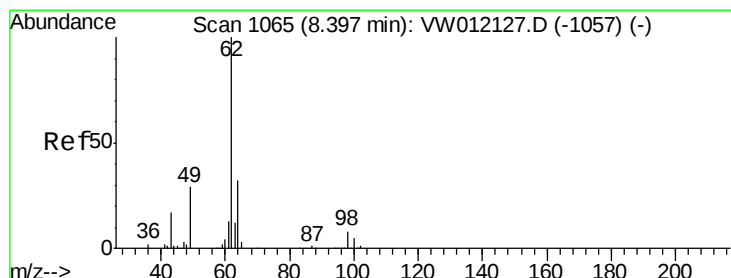
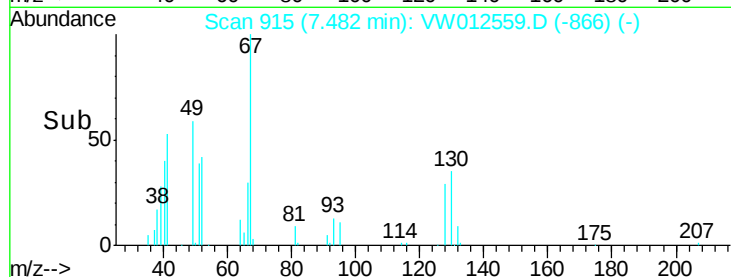
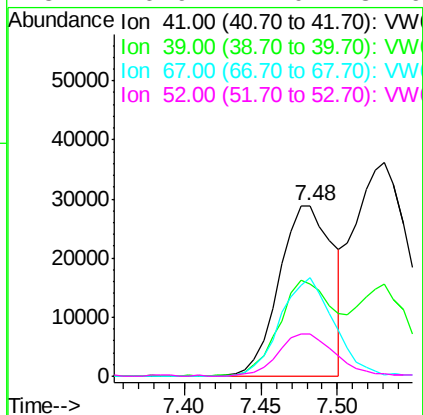
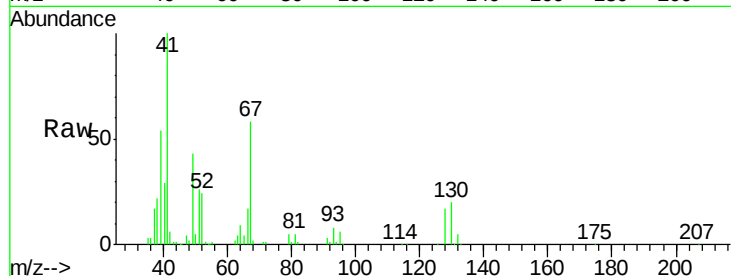
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	70387
Ion	Ratio	Lower	Upper
41	100		
39	59.9	45.8	68.8
67	58.3	46.2	69.4
52	26.9	21.0	31.6

Manual Integrations
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9/4/2019 9:34:30 AM



#42

1,2-Dichloroethane

Concen: 61.047 ug/l

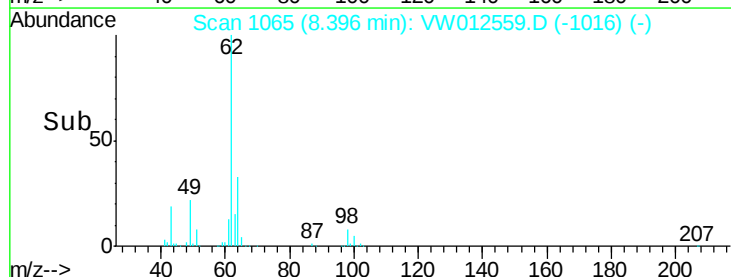
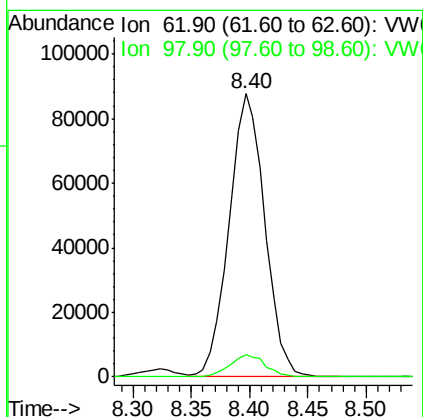
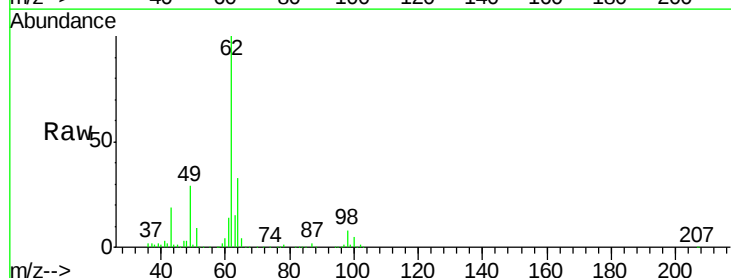
RT: 8.40 min Scan# 1065

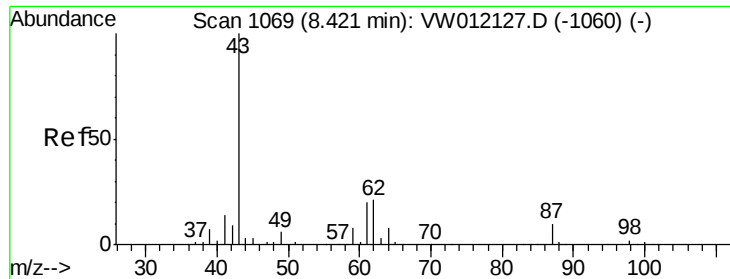
Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Tgt Ion:	62	Resp:	186641
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 60.843 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

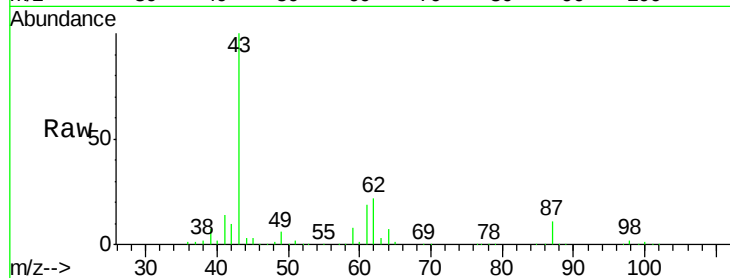
ClientSampleId :

VSTDCCC050

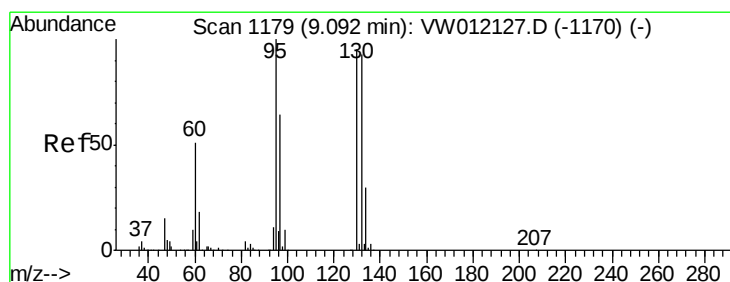
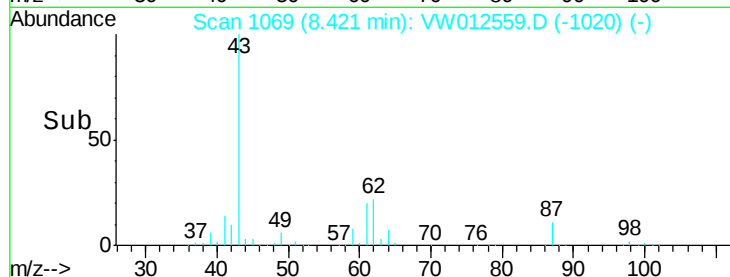
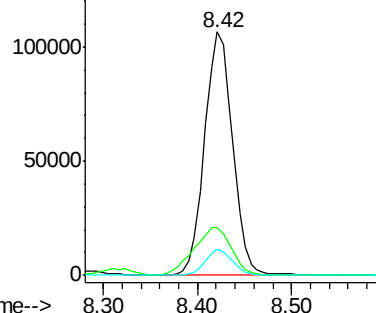
Tot Ion:	43	Resp:	220635
Ion	Ratio	Lower	Upper
43	100		
61	25.7	21.1	31.7
87	10.5	8.2	12.2

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Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 55.879 ug/l

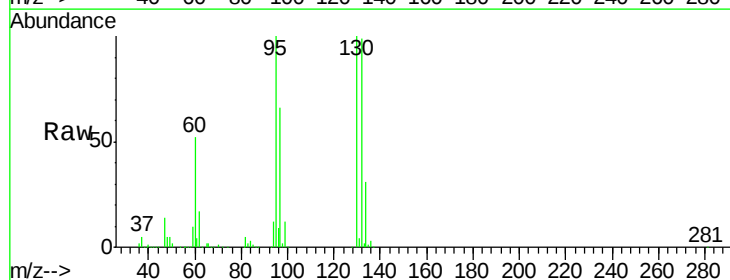
RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

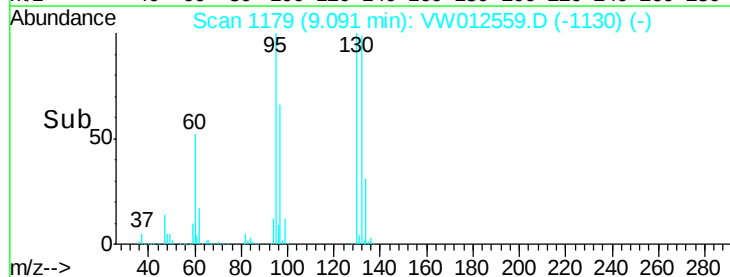
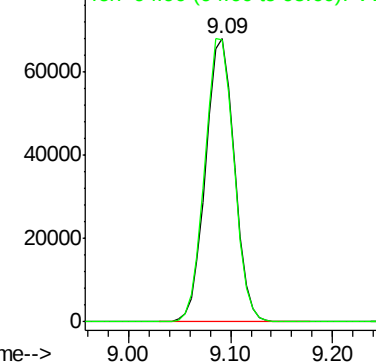
Lab File: VW012559.D

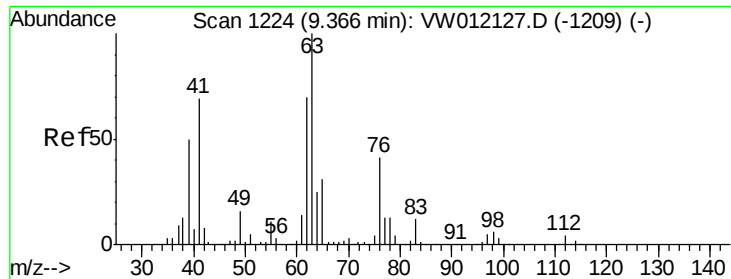
Acq: 03 Sep 2019 21:30

Tgt Ion:	130	Resp:	132513
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	210.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





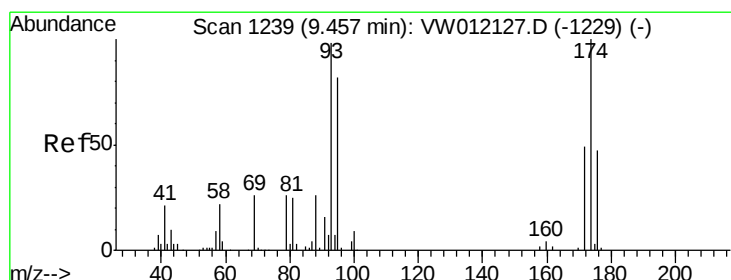
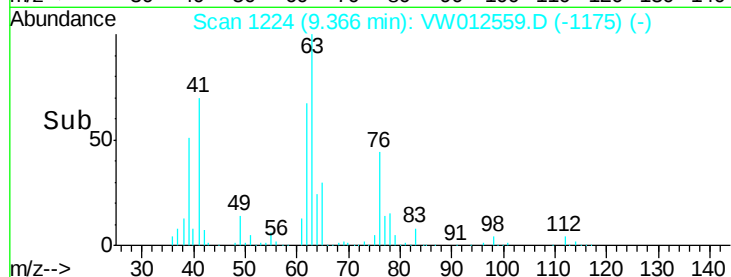
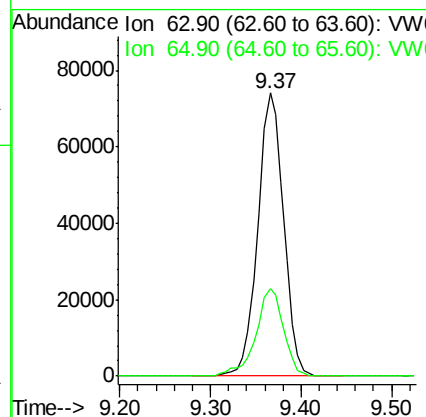
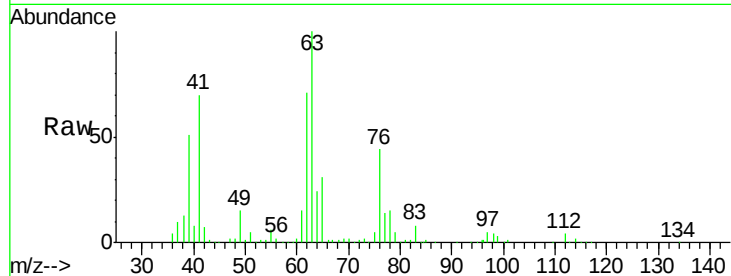
#45
 1,2-Dichloropropane
 Concen: 55.511 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 145739
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

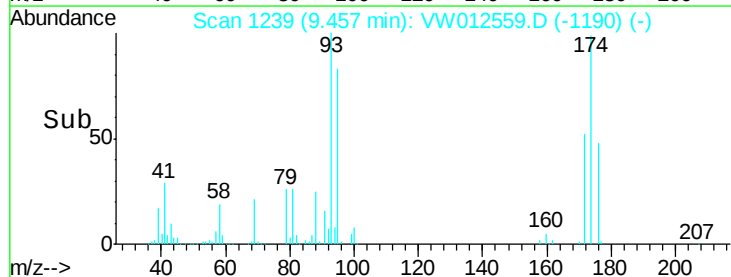
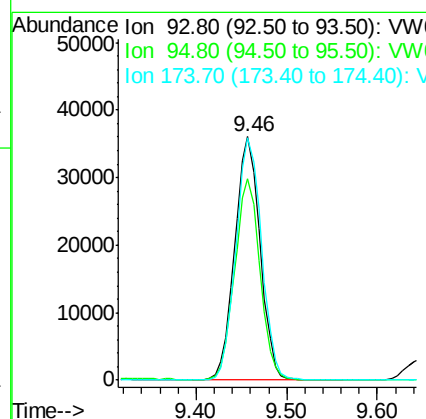
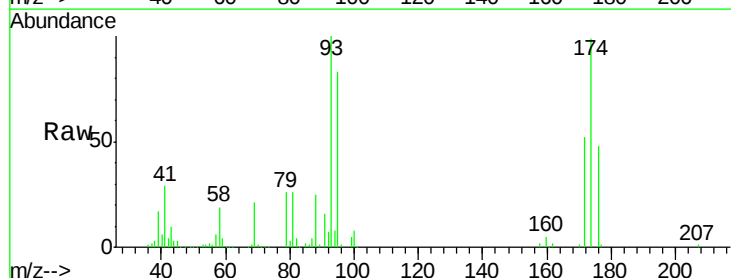
Manual Integrations
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#46
 Dibromomethane
 Concen: 60.088 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion: 93 Resp: 70190
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.2 100.8
 174 100.3 79.0 118.6





#47

Bromodichloromethane

Concen: 60.397 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

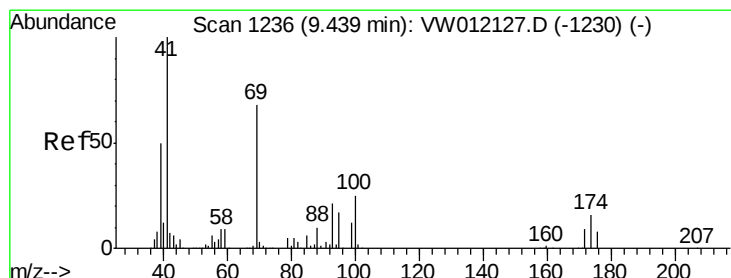
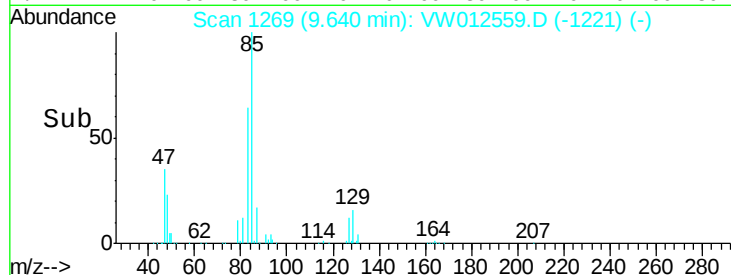
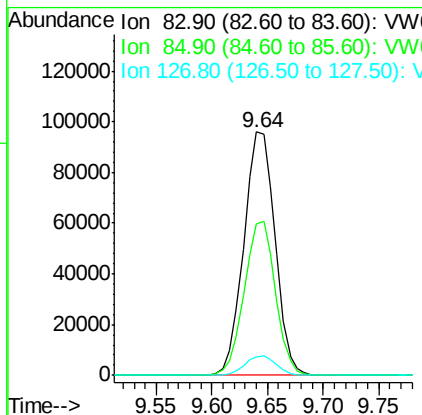
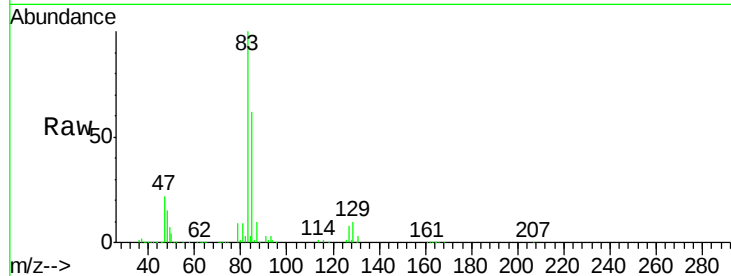
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187765
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.4	74.2
127	7.7	6.1	9.1

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#48

Methyl methacrylate

Concen: 61.582 ug/l

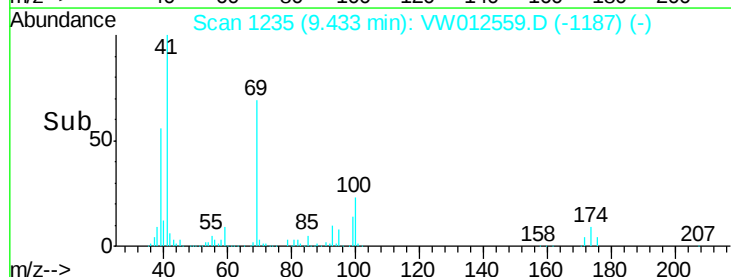
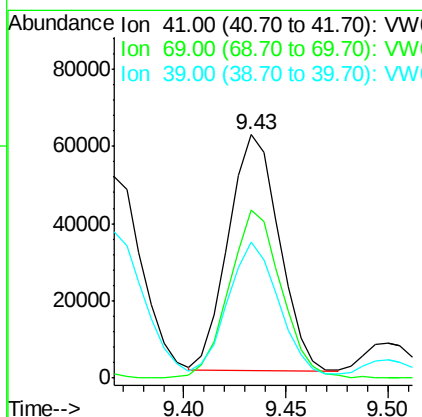
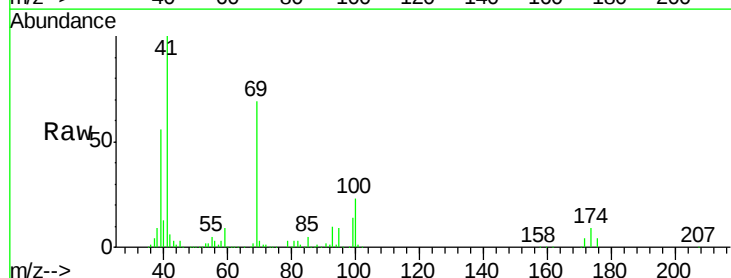
RT: 9.43 min Scan# 1235

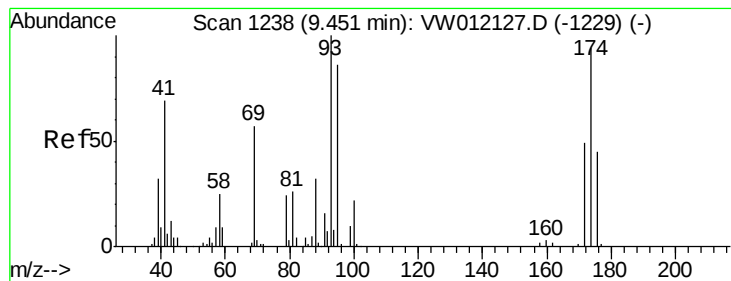
Delta R.T. -0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Tgt Ion:	41	Resp:	106286
Ion	Ratio	Lower	Upper
41	100		
69	72.3	56.7	85.1
39	58.7	42.0	63.0





#49

1,4-Dioxane

Concen: 1226.282 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 21929

Ion Ratio Lower Upper

88 100

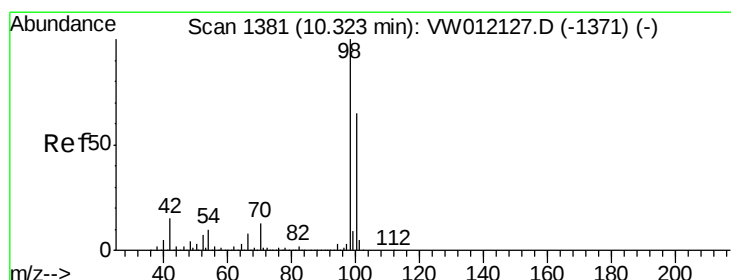
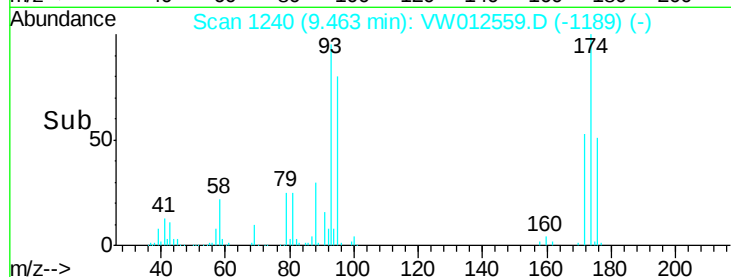
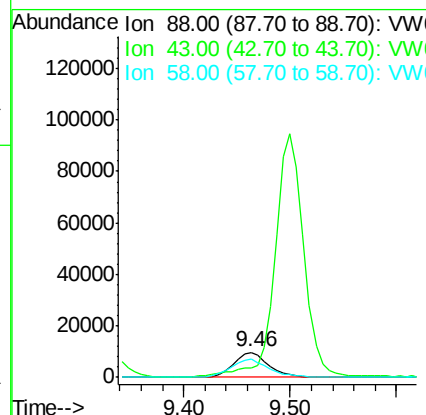
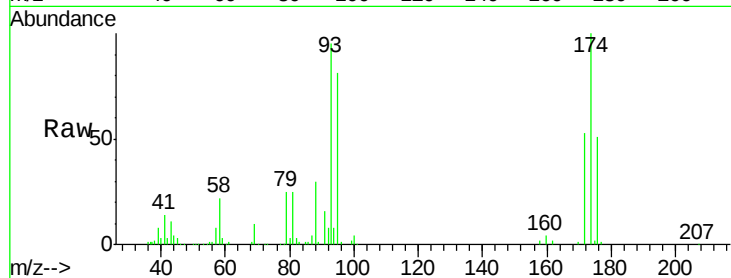
43 0.0 32.9 49.3#

58 82.3 71.0 106.4

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#50

Toluene-d8

Concen: 52.553 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012559.D

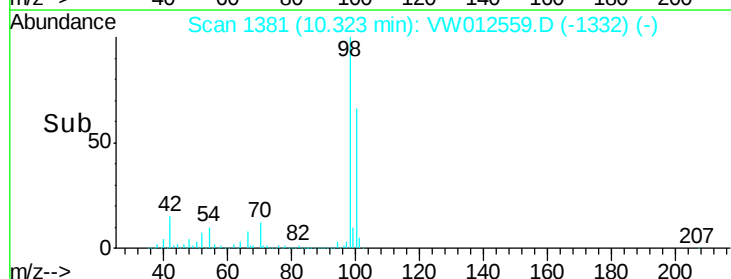
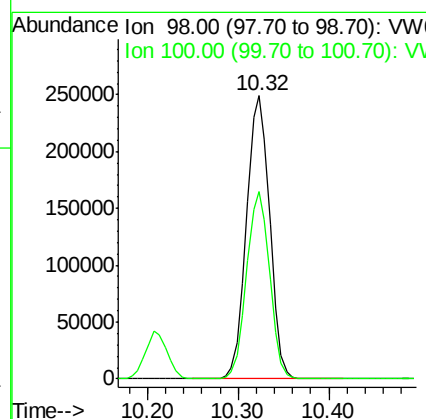
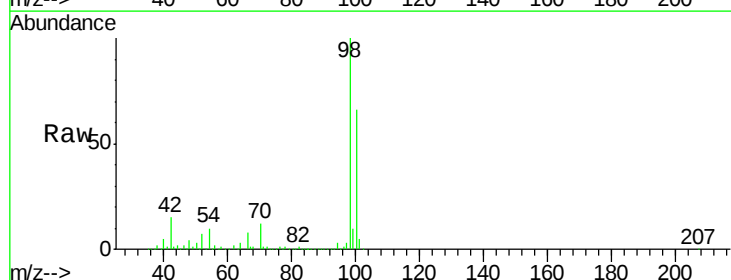
Acq: 03 Sep 2019 21:30

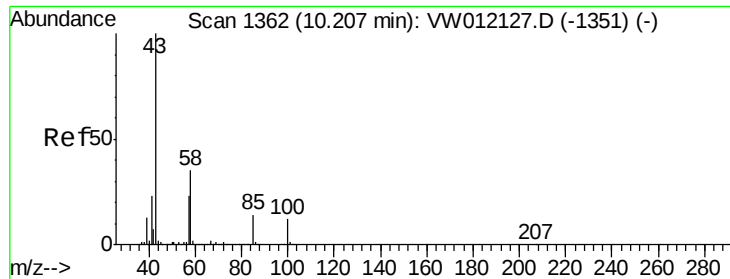
Tgt Ion: 98 Resp: 439722

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 311.566 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 574665

Ion Ratio Lower Upper

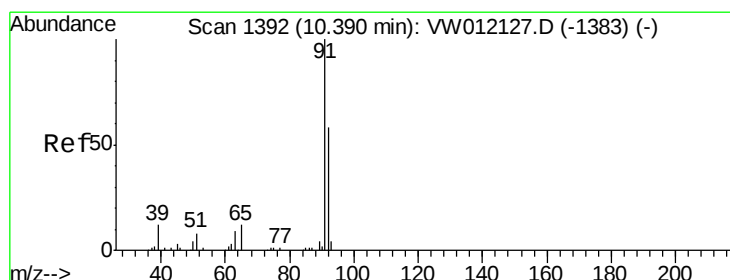
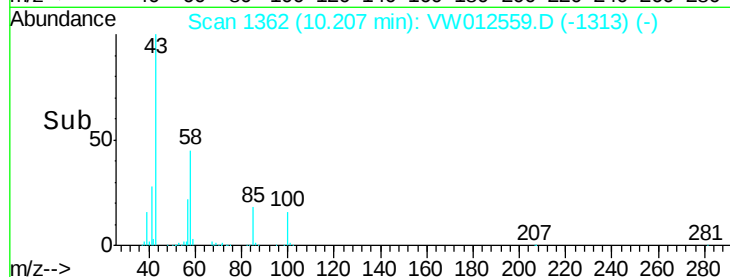
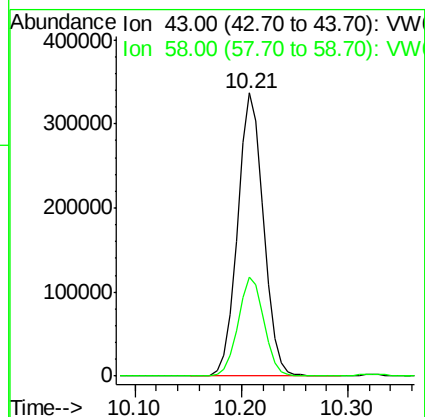
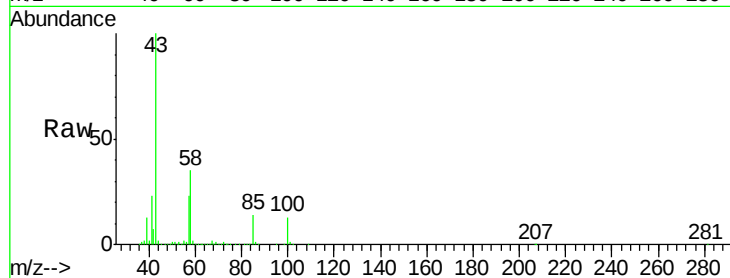
43 100

58 34.9 28.2 42.2

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#52

Toluene

Concen: 56.190 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012559.D

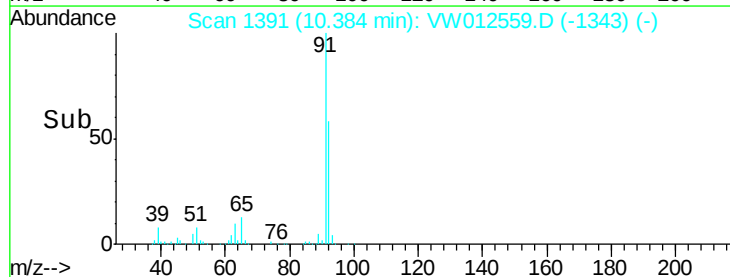
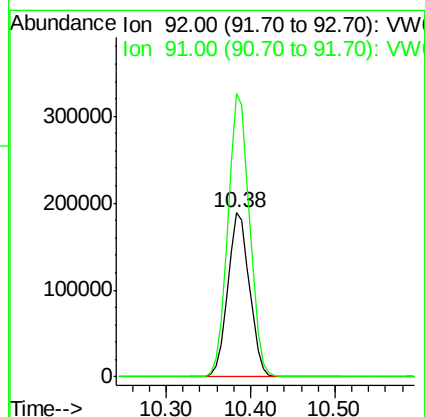
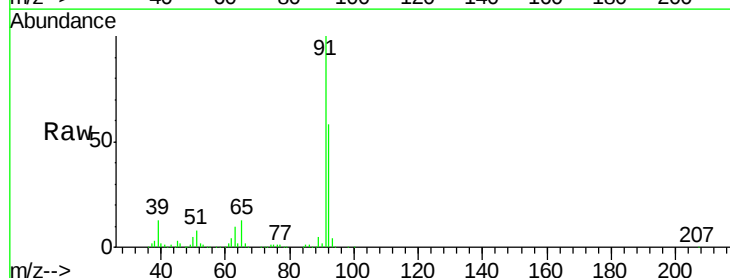
Acq: 03 Sep 2019 21:30

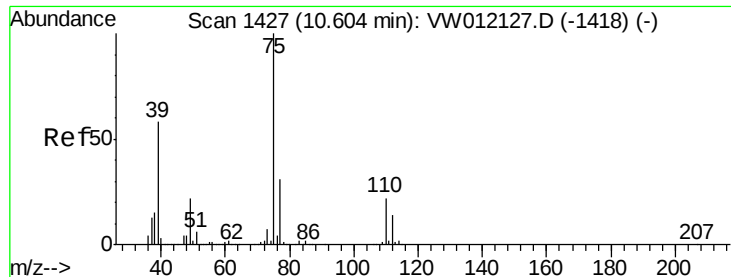
Tgt Ion: 92 Resp: 329292

Ion Ratio Lower Upper

92 100

91 171.9 136.6 204.8





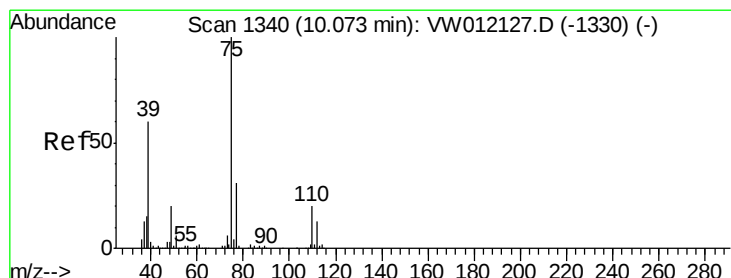
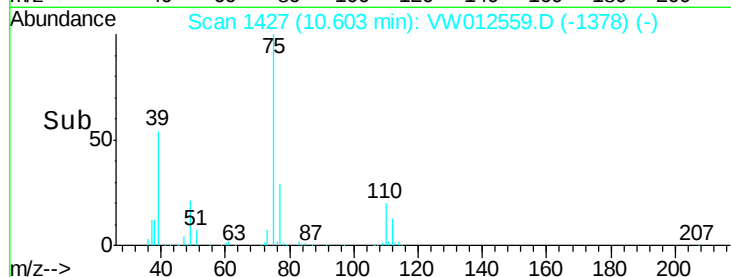
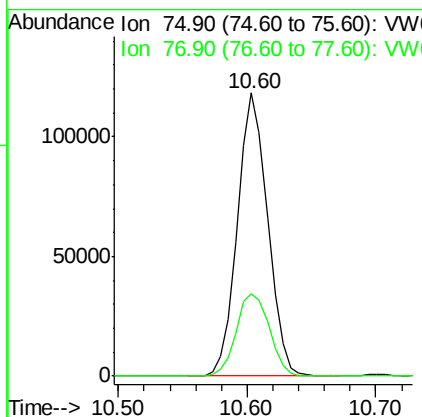
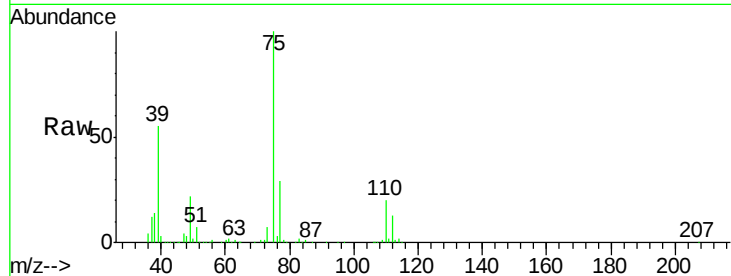
#53
t-1,3-Dichloropropene
Concen: 60.869 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.0	37.4

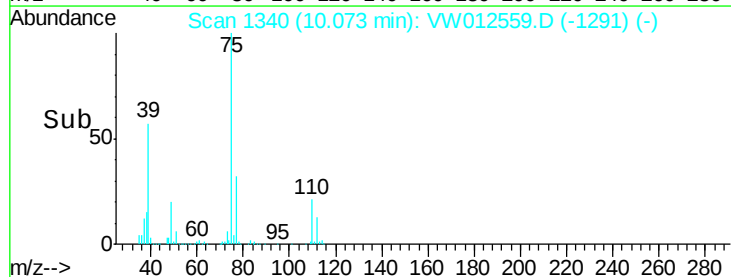
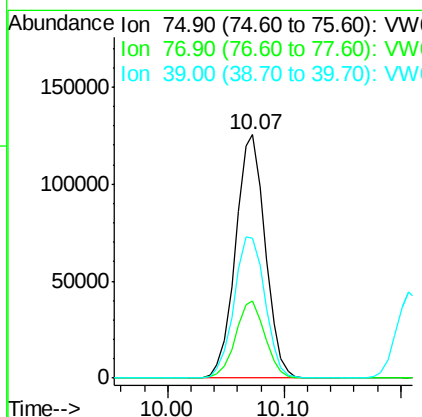
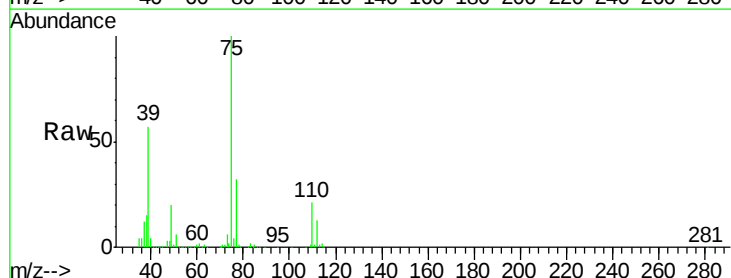
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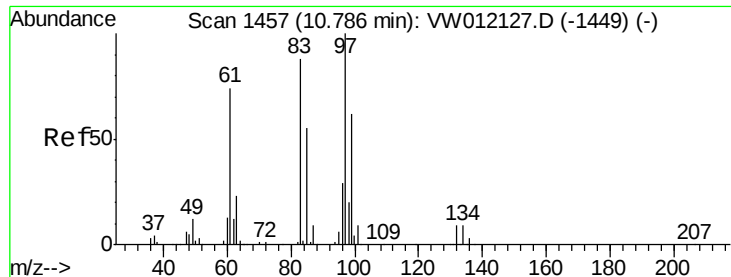
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#54
cis-1,3-Dichloropropene
Concen: 58.238 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	57.3	48.3	72.5





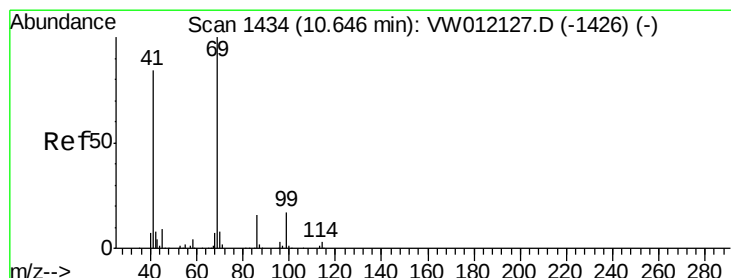
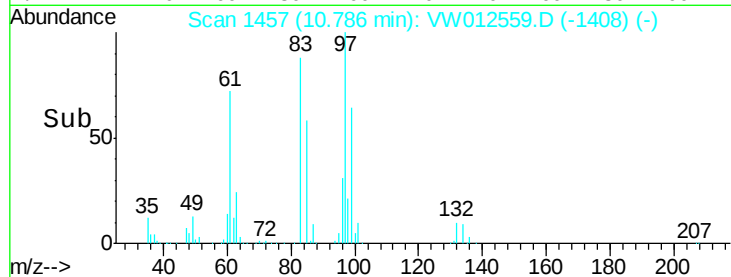
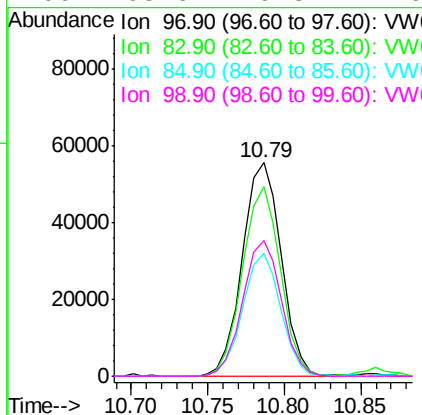
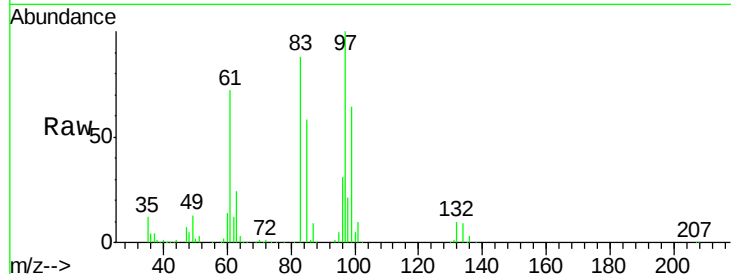
#55
 1,1,2-Trichloroethane
 Concen: 59.820 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	98866
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.8	106.2
85	57.8	43.8	65.8
99	63.6	49.8	74.6

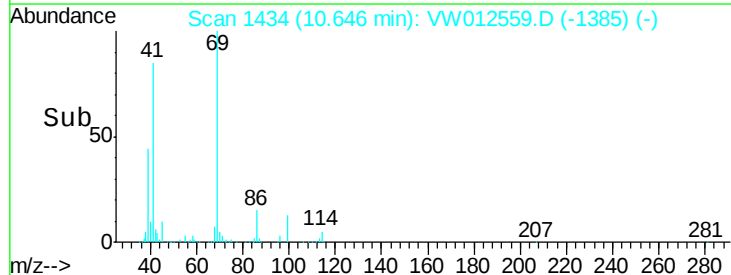
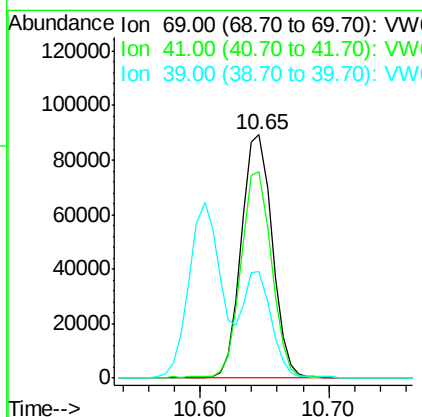
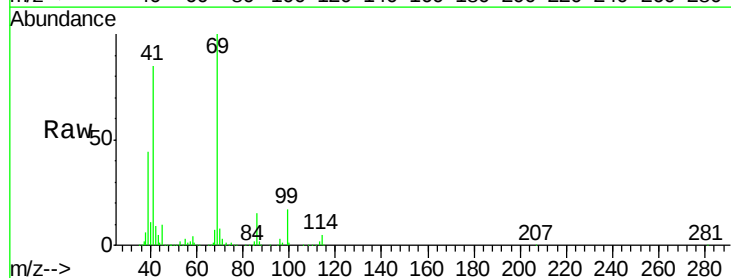
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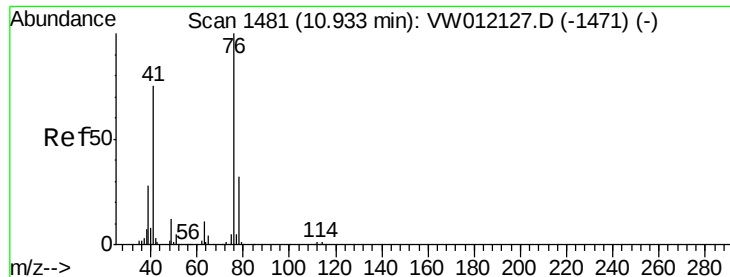
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#56
 Ethyl methacrylate
 Concen: 61.697 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion:	69	Resp:	148407
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.5	99.7
39	38.7	31.0	46.4





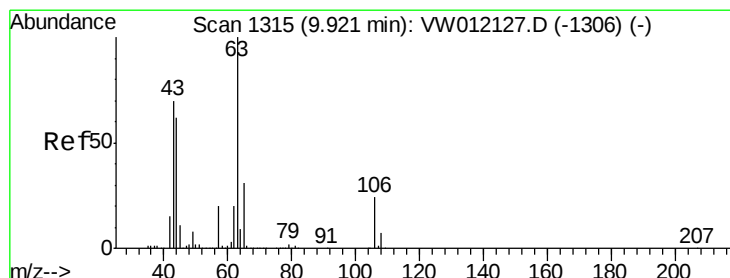
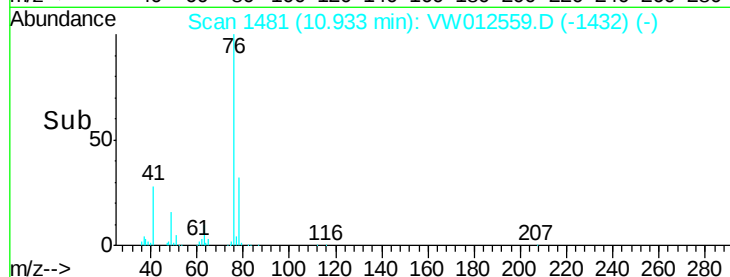
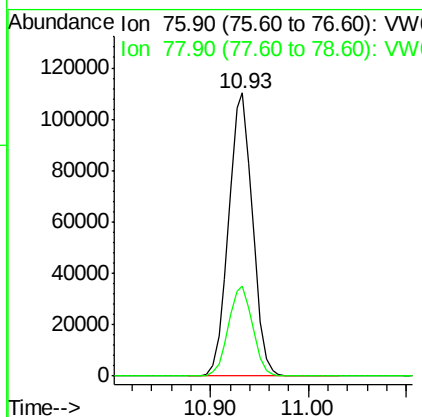
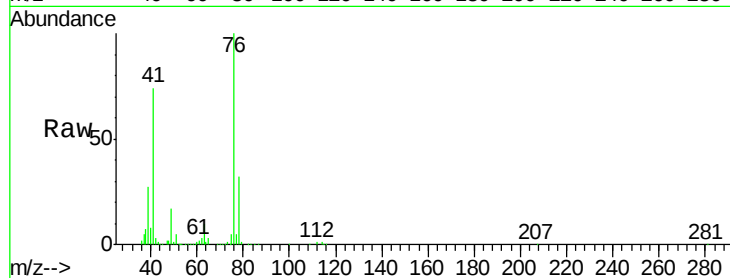
#57
 1,3-Dichloropropane
 Concen: 59.716 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 186507
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

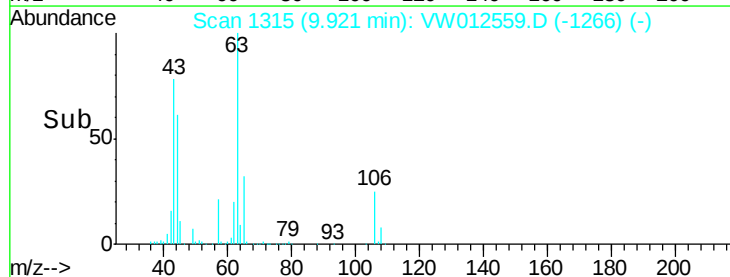
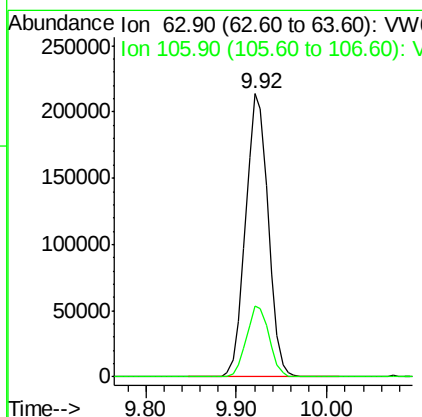
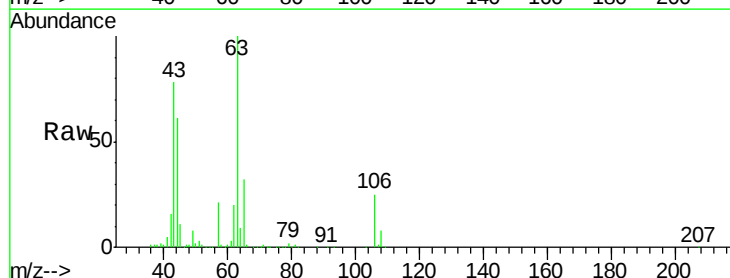
Manual Integrations
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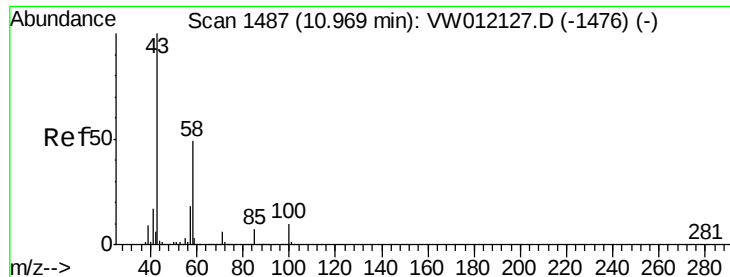
MMDadoda
 9/4/2019 9:34:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 297.994 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion: 63 Resp: 367875
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.8 29.8





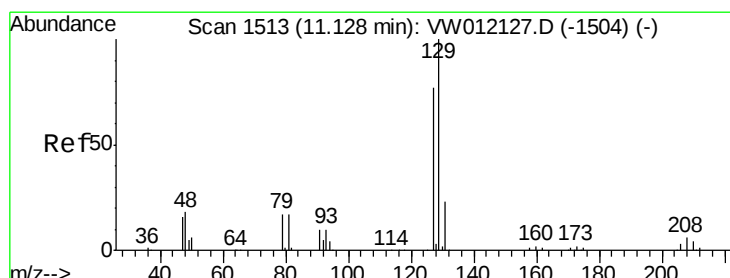
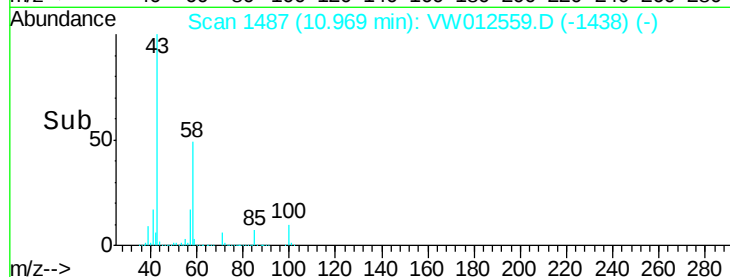
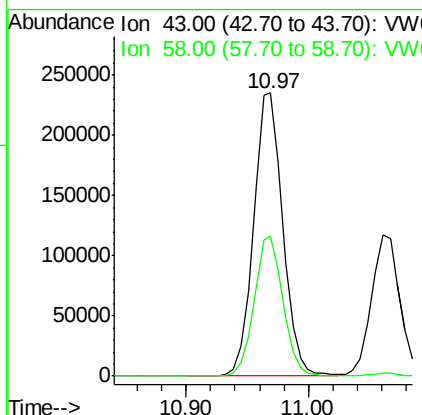
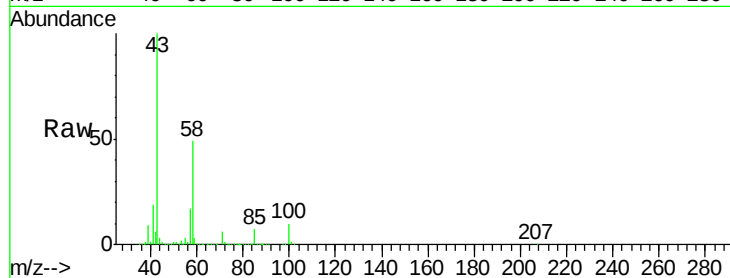
#59
2-Hexanone
Concen: 299.099 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 390343
Ion Ratio Lower Upper
43 100
58 48.9 24.3 72.9

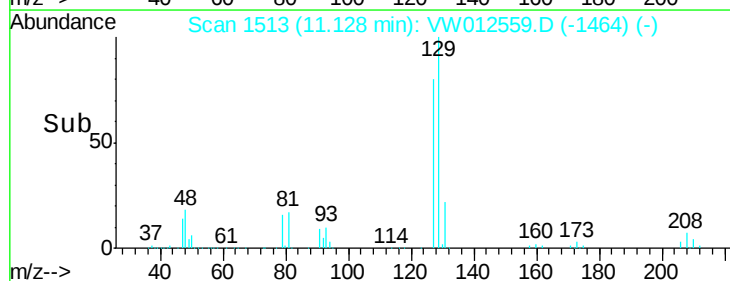
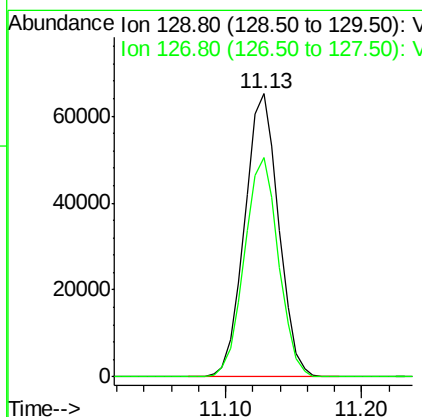
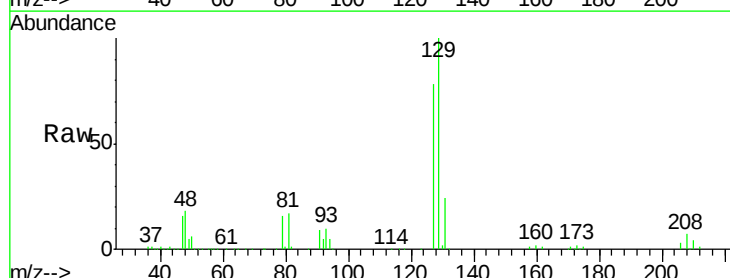
Manual Integrations
APPROVED

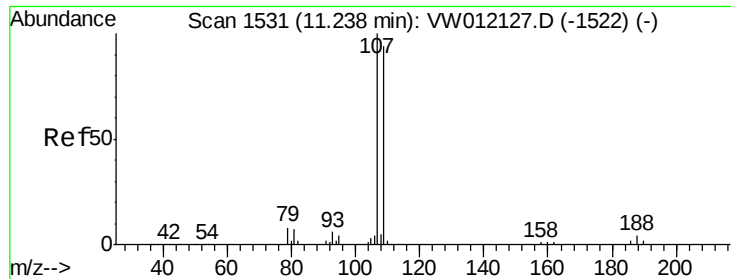
MMDadoda
9/4/2019 9:34:30 AM



#60
Dibromochloromethane
Concen: 61.909 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion: 129 Resp: 113965
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





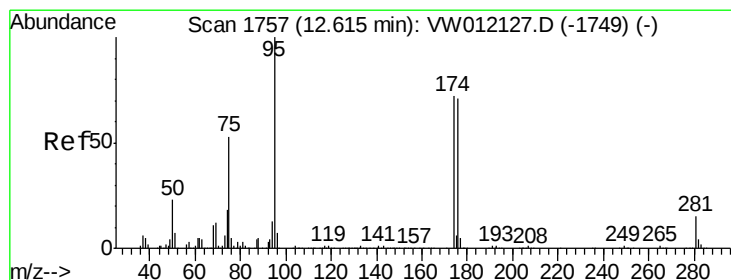
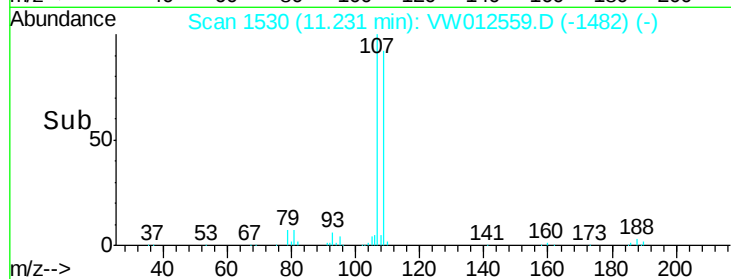
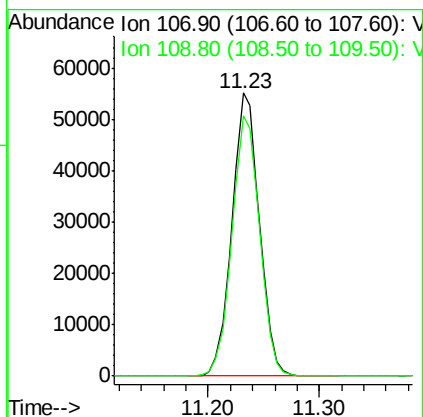
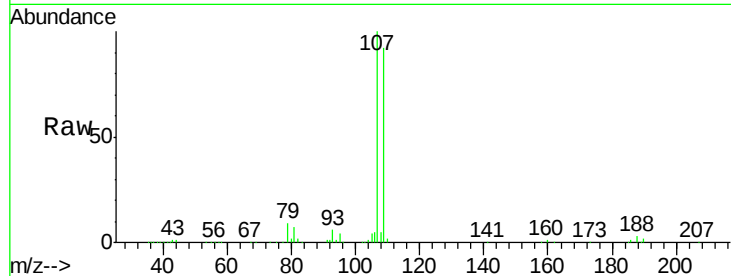
#61
 1,2-Dibromoethane
 Concen: 60.911 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.4	113.2

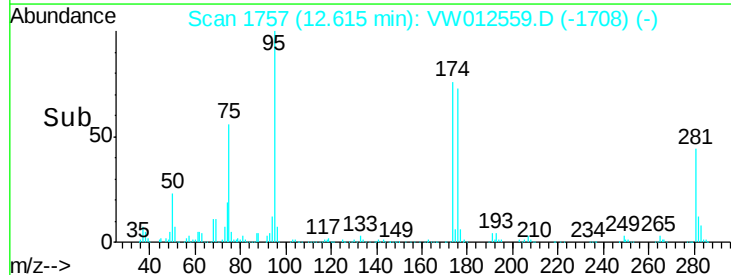
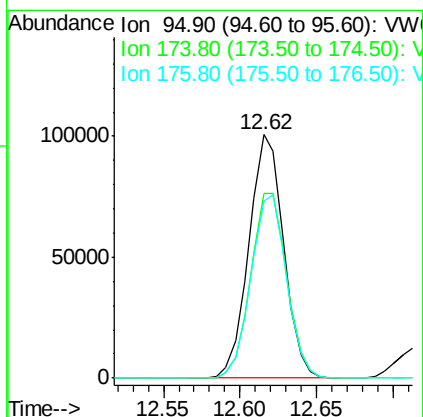
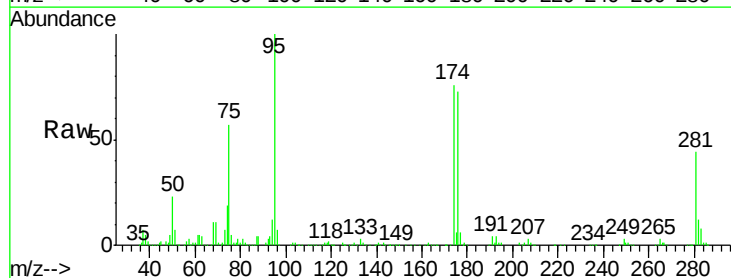
Manual Integrations
 APPROVED

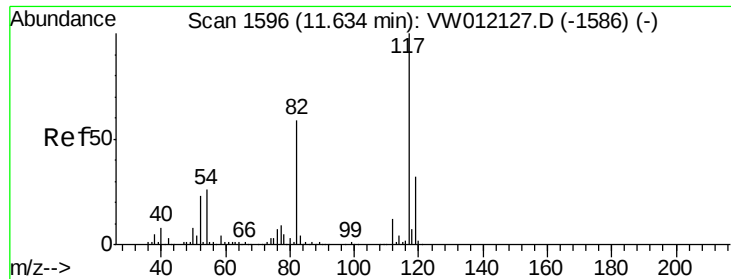
MMDadoda
 9/4/2019 9:34:30 AM



#62
 4-Bromofluorobenzene
 Concen: 53.839 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	150.8
176	77.0	0.0	148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

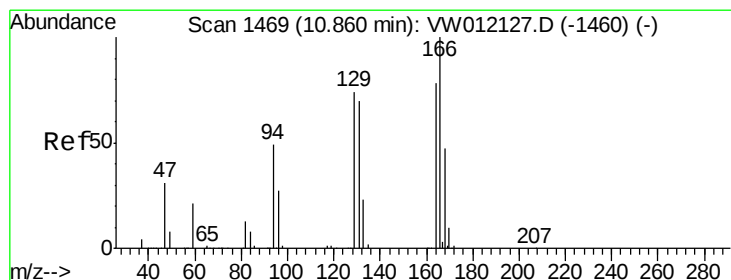
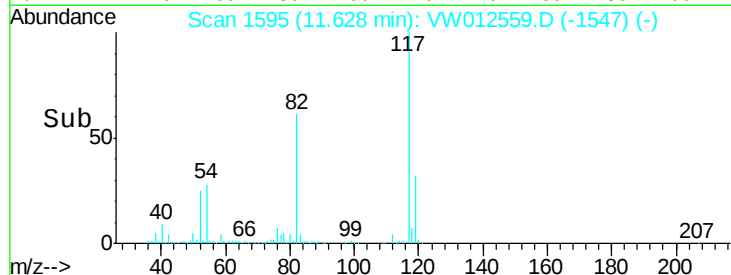
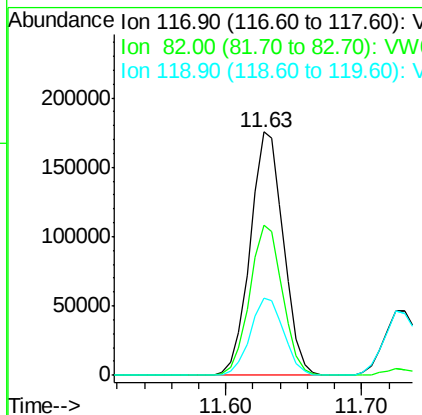
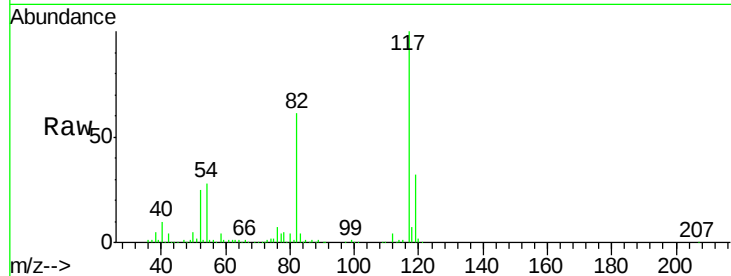
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	300271
Ion Ratio	Lower	Upper	
117	100		
82	61.5	47.4	71.2
119	31.9	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 57.909 ug/l

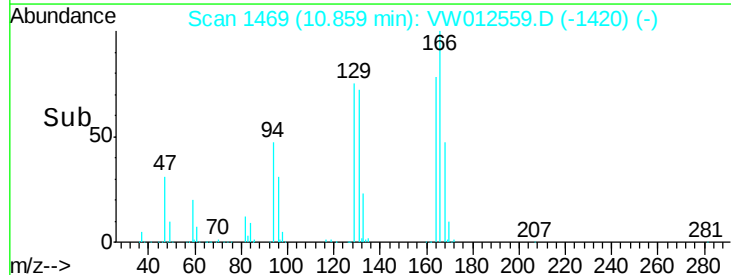
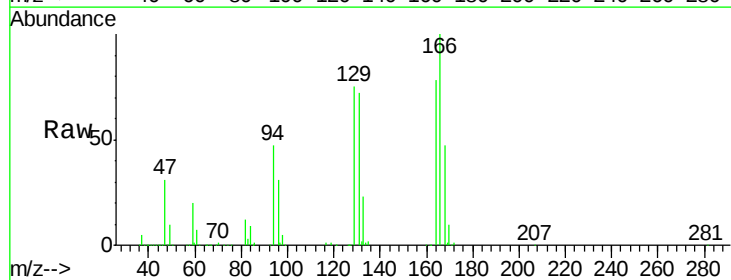
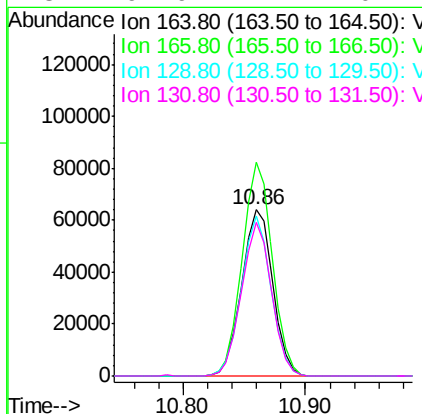
RT: 10.86 min Scan# 1469

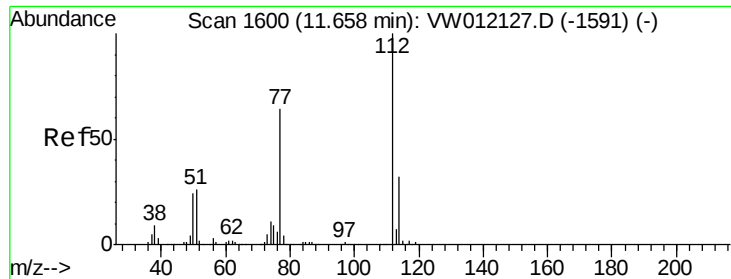
Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Tgt Ion:	164	Resp:	112734
Ion Ratio	Lower	Upper	
164	100		
166	128.7	102.4	153.6
129	96.2	75.8	113.6
131	92.9	71.4	107.2





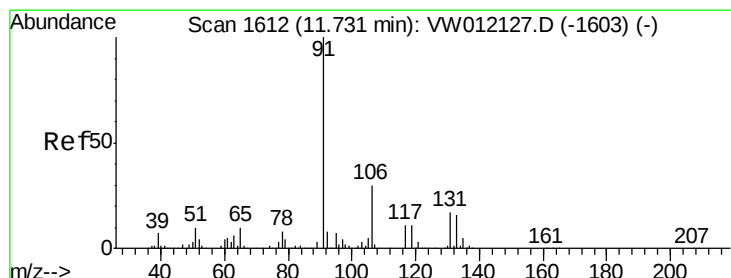
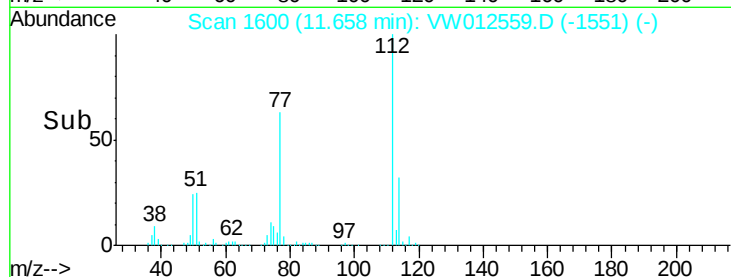
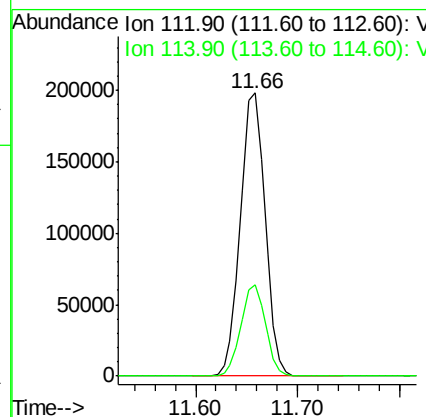
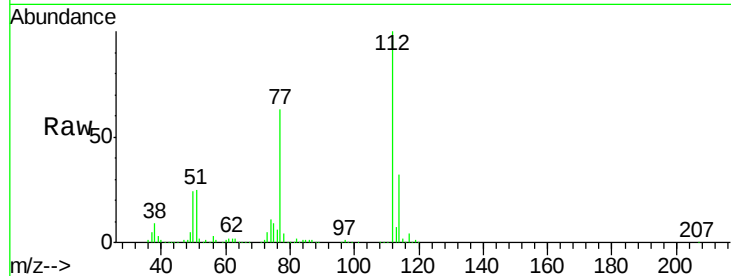
#65
Chlorobenzene
Concen: 56.346 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	333151		
114	32.2	25.8	38.6	

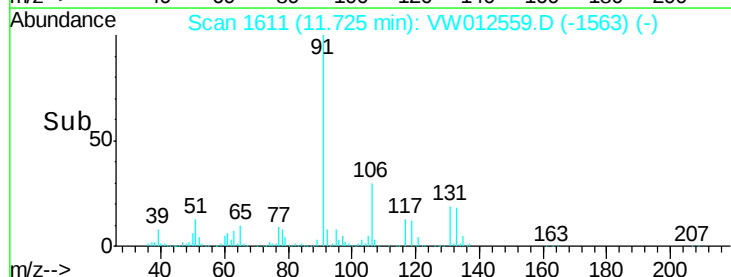
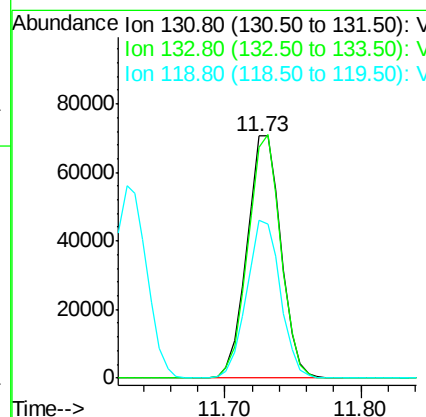
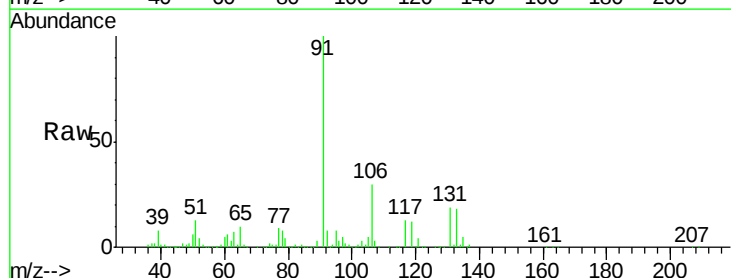
Manual Integrations
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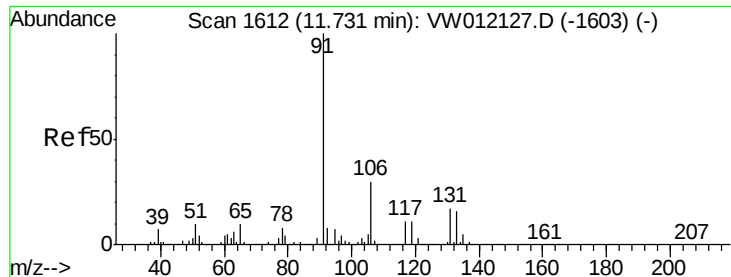
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.916 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	123586		
133	96.5	47.1	141.3	
119	64.7	31.8	95.3	





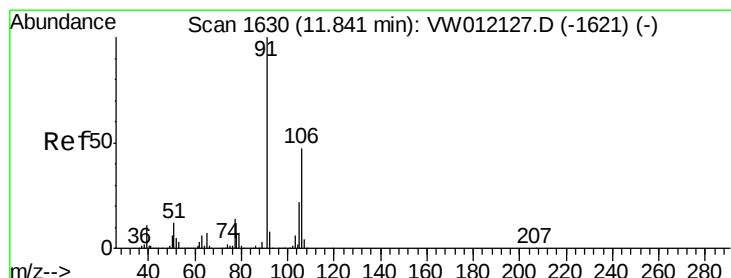
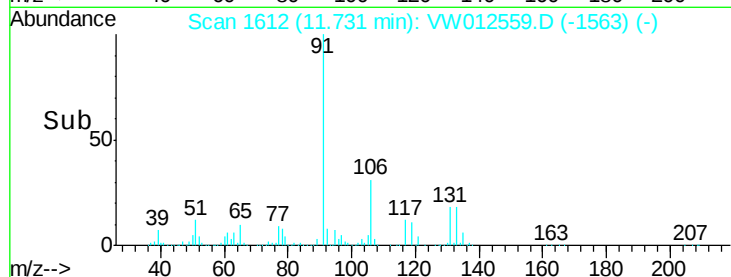
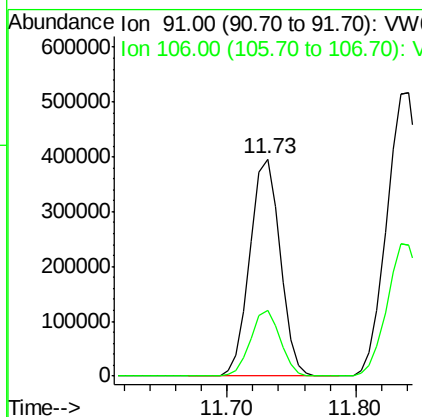
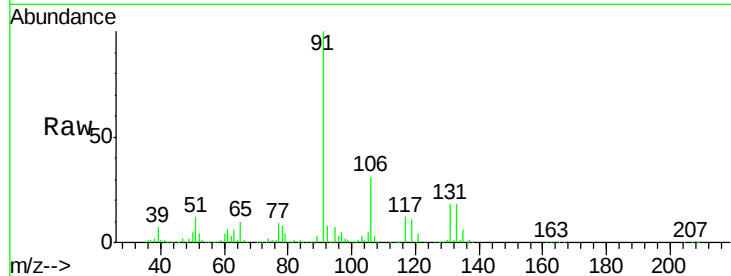
#67
Ethyl Benzene
Concen: 56.344 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 641737
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

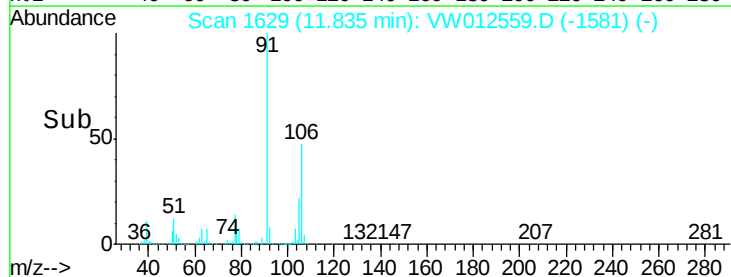
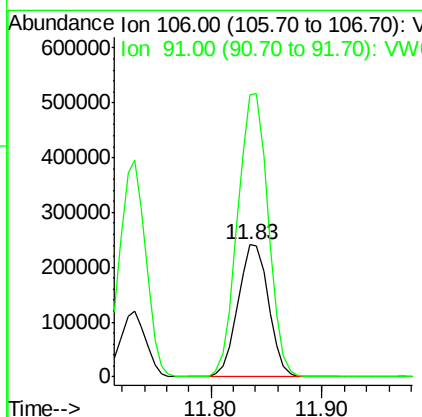
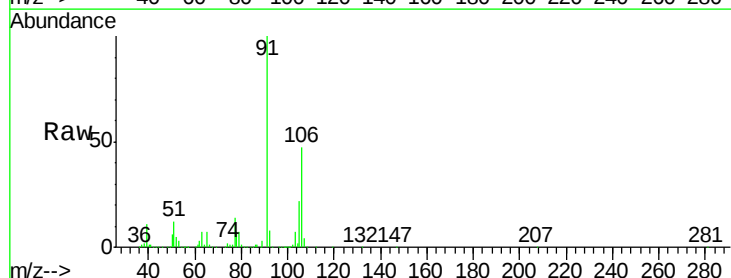
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#68
m/p-Xylenes
Concen: 112.413 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion: 106 Resp: 461192
Ion Ratio Lower Upper
106 100
91 213.2 169.5 254.3





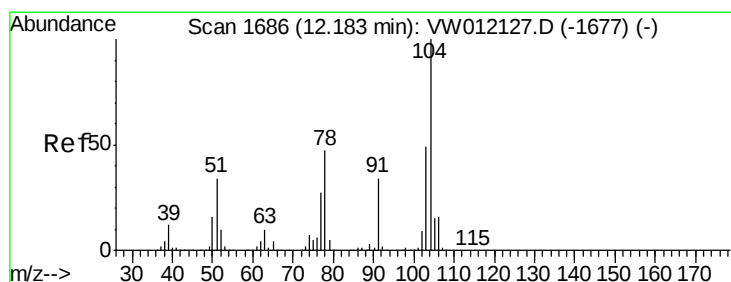
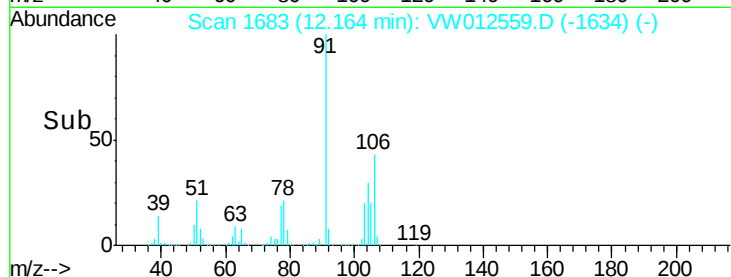
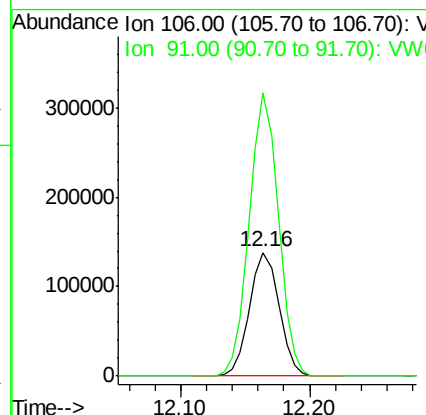
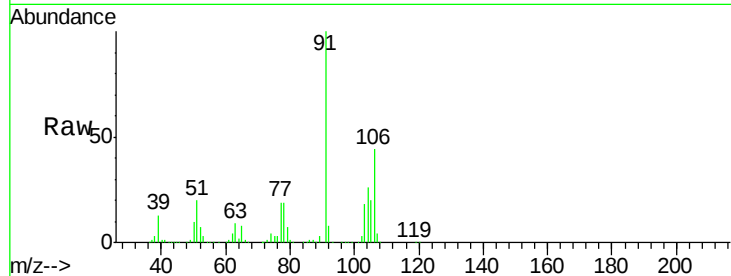
#69
o-Xylene
Concen: 57.684 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.6	111.6	334.6

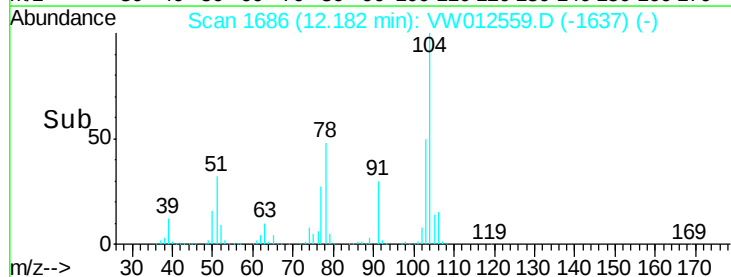
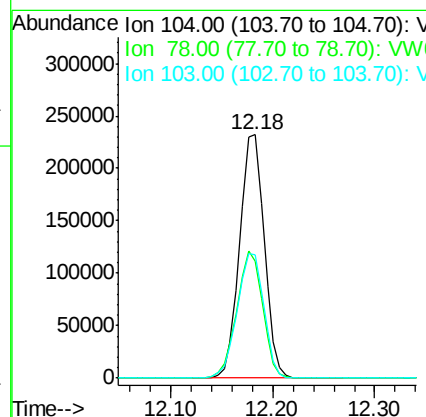
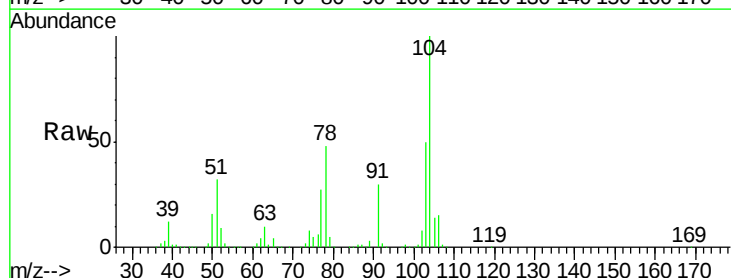
Manual Integrations
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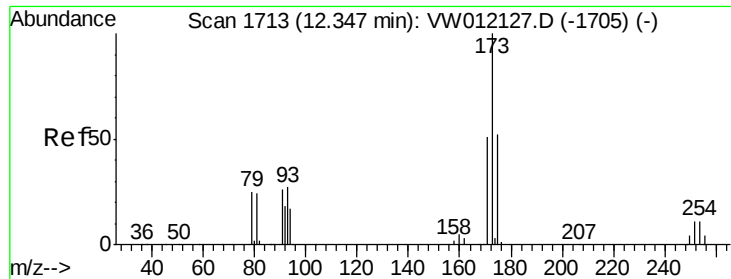
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9/4/2019 9:34:30 AM



#70
Styrene
Concen: 59.015 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.7	43.1	64.7
103	55.1	43.5	65.3





#71

Bromoform

Concen: 64.642 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 66431

Ion Ratio Lower Upper

173 100

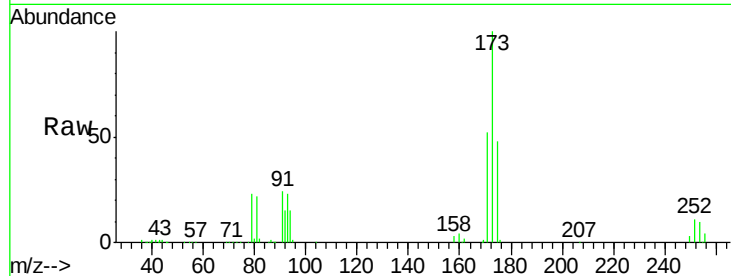
175 48.8 24.6 74.0

254 0.2 0.2 0.2

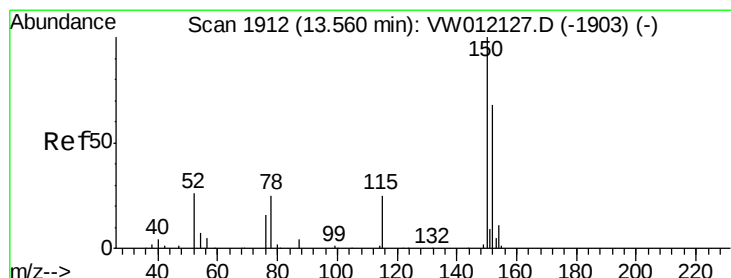
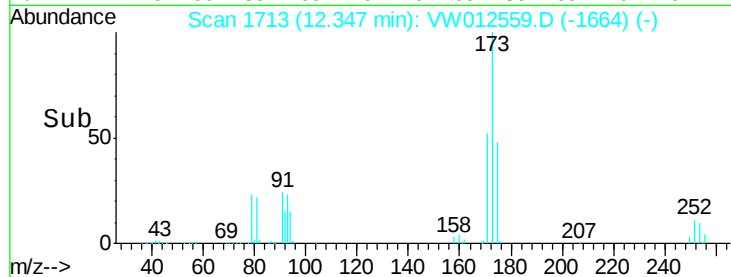
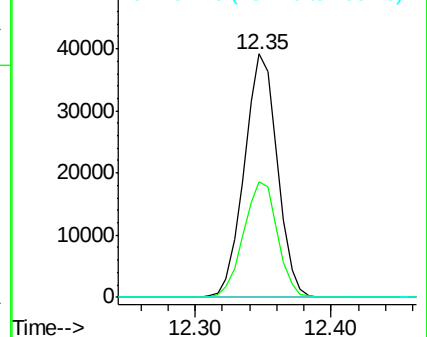
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

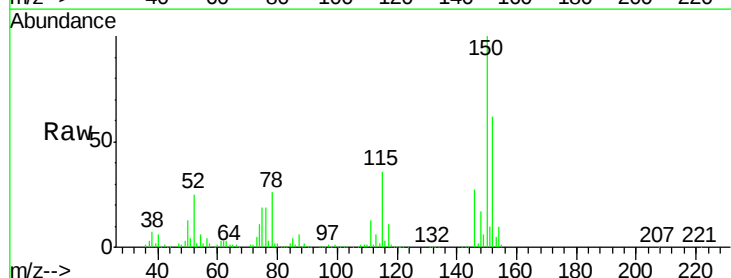
Tgt Ion:152 Resp: 148586

Ion Ratio Lower Upper

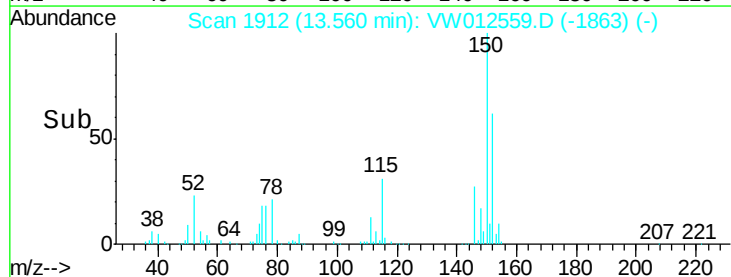
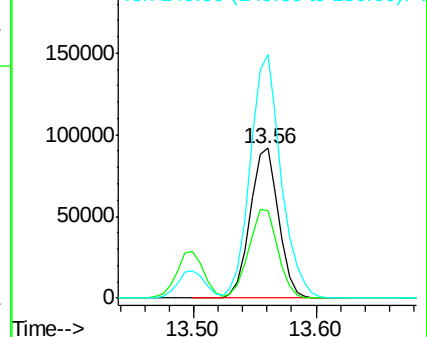
152 100

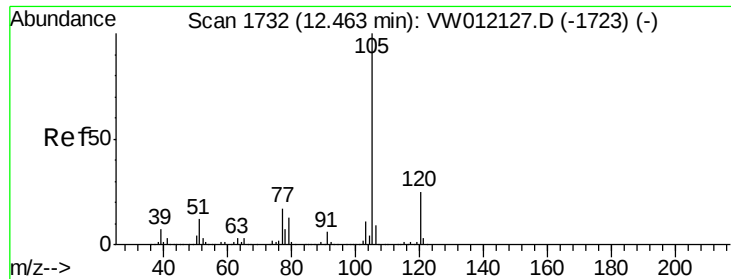
115 60.8 30.1 90.3

150 175.6 0.0 345.8



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





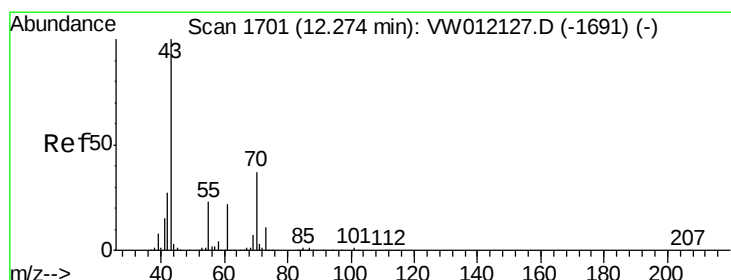
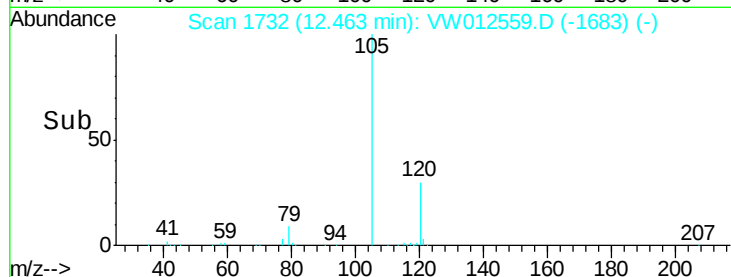
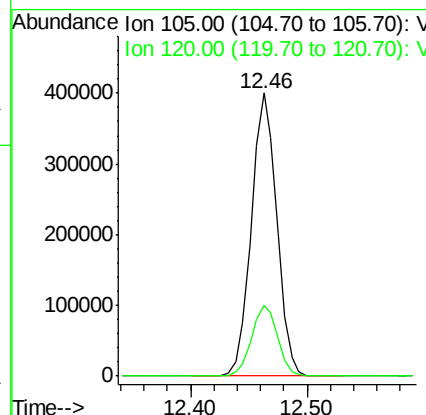
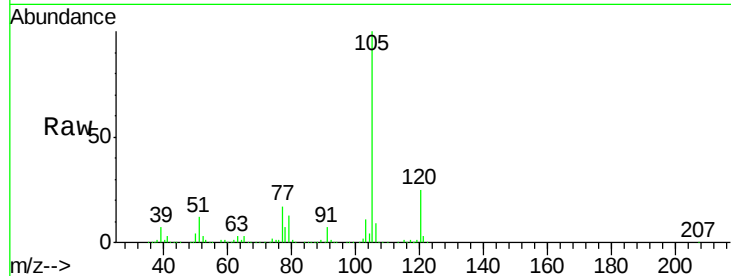
#73
Isopropylbenzene
Concen: 54.837 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.5	37.5

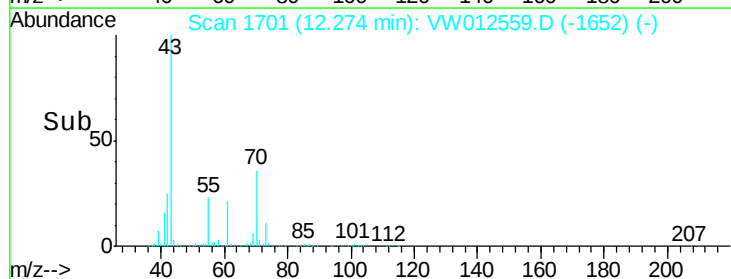
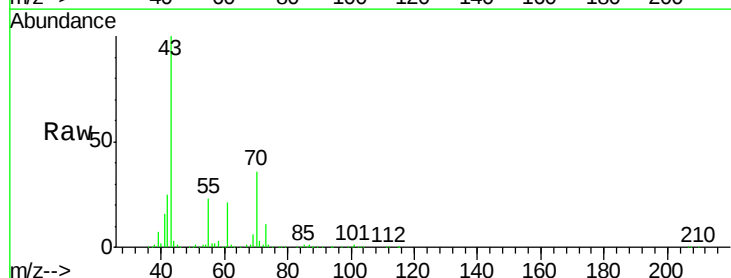
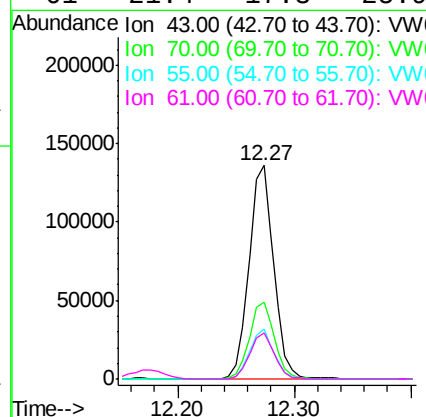
Manual Integrations
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#74
N-ethyl acetate
Concen: 59.900 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	28.6	43.0
55	23.0	17.8	26.6
61	21.4	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 57.685 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

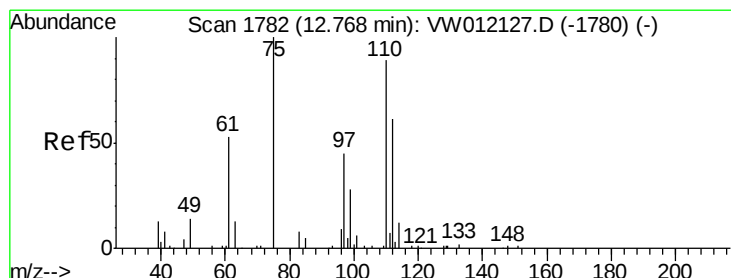
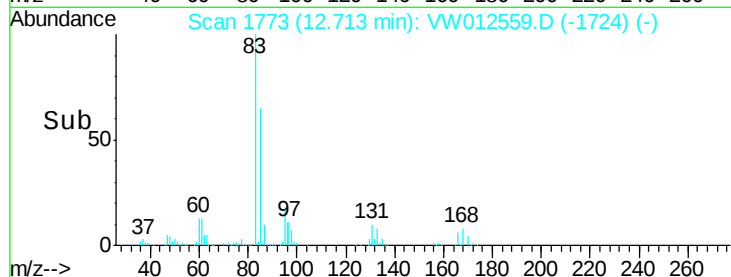
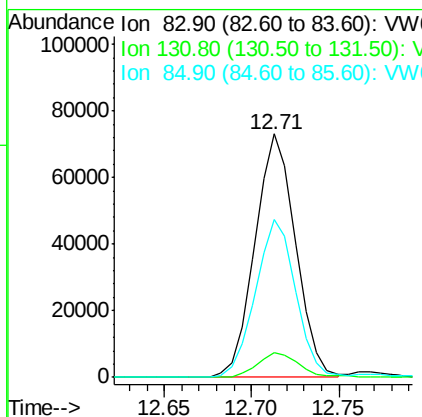
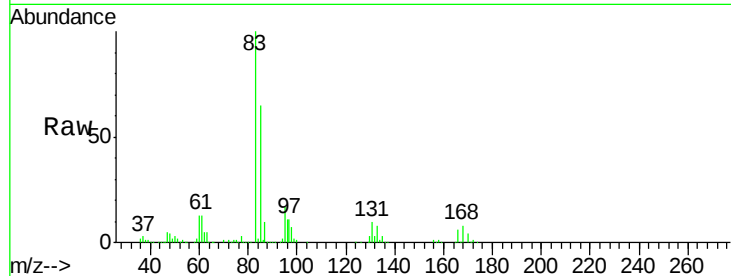
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	117744
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	64.4	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.221 ug/l m

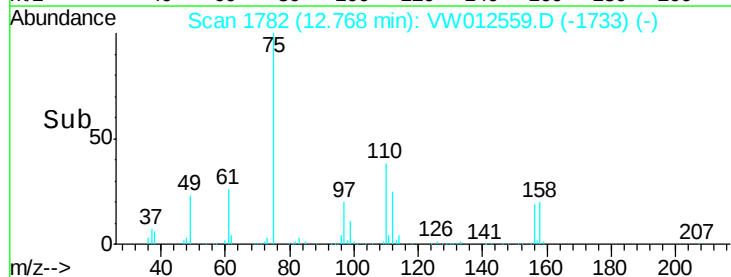
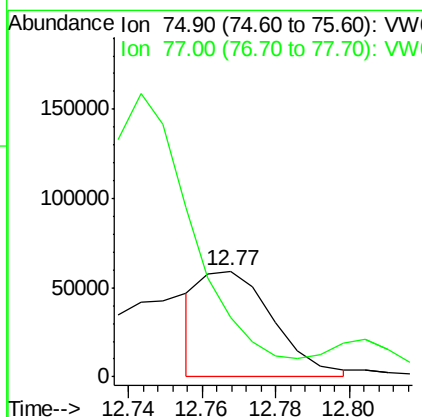
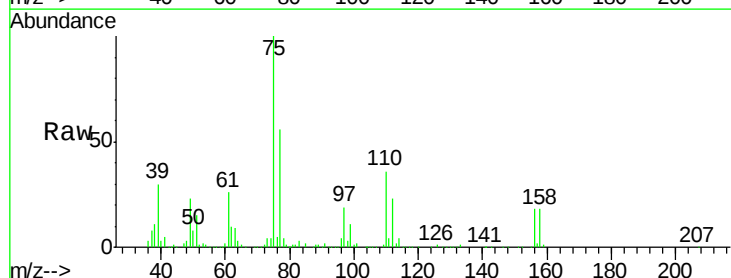
RT: 12.77 min Scan# 1782

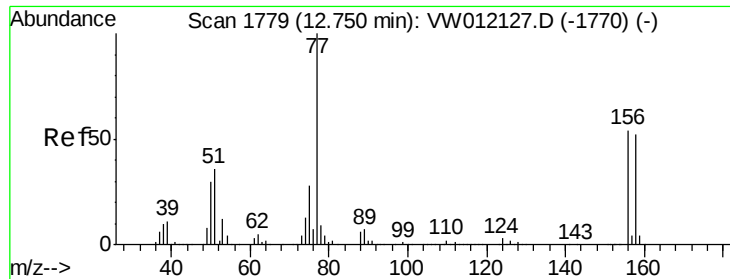
Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Tgt Ion:	75	Resp:	81358
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 57.325 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

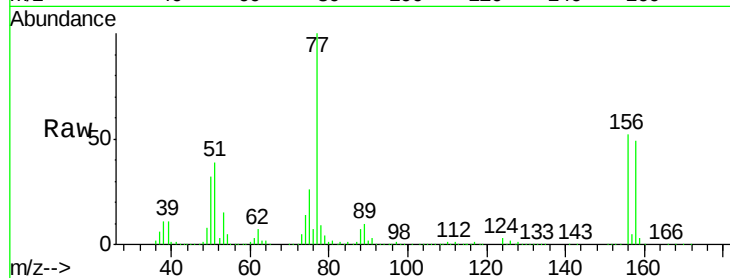
ClientSampleId :

VSTDCCC050

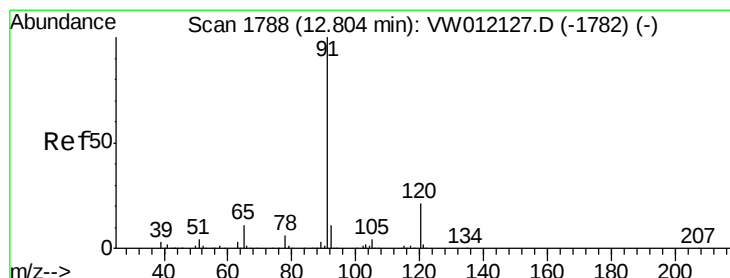
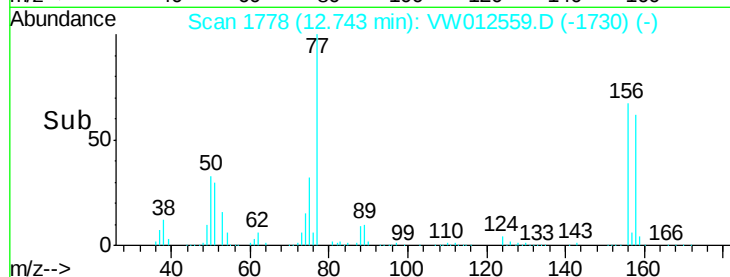
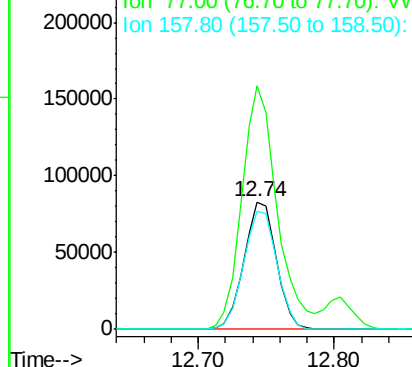
Tot Ion:	156	Resp:	138077
Ion Ratio	Lower	Upper	
156	100		
77	208.1	107.3	321.8
158	96.3	49.0	147.0

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.254 ug/l

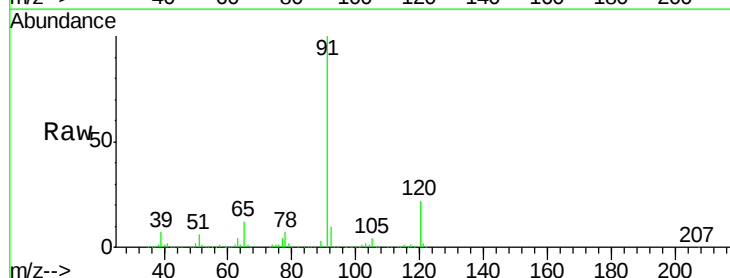
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

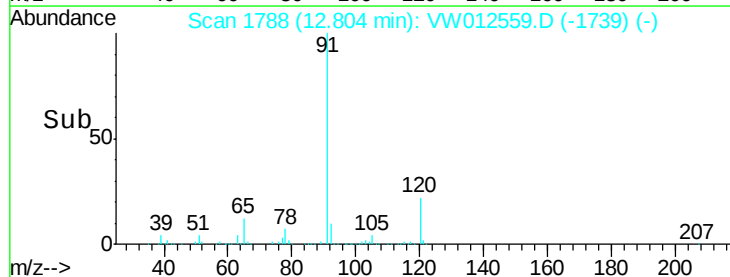
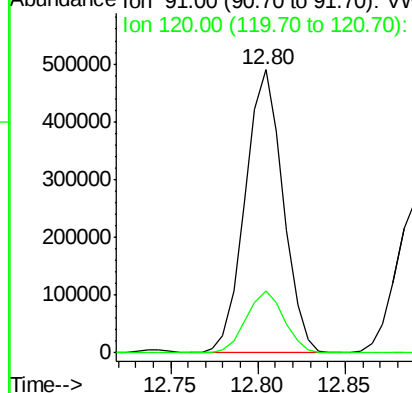
Lab File: VW012559.D

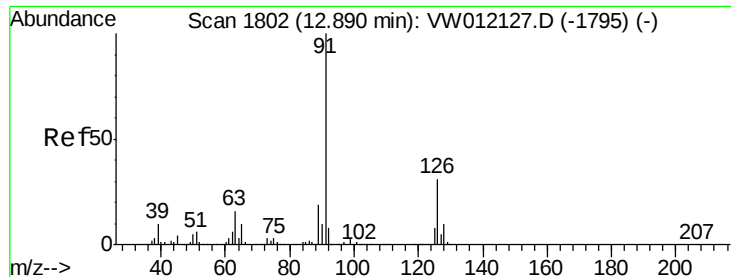
Acq: 03 Sep 2019 21:30

Tgt Ion:	91	Resp:	737420
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.5	31.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.908 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 423713

Ion Ratio Lower Upper

91 100

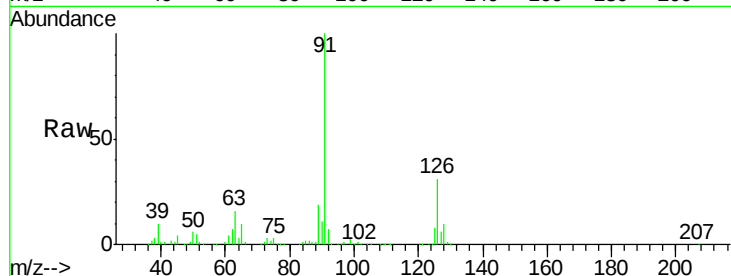
126 31.5 15.7 47.0

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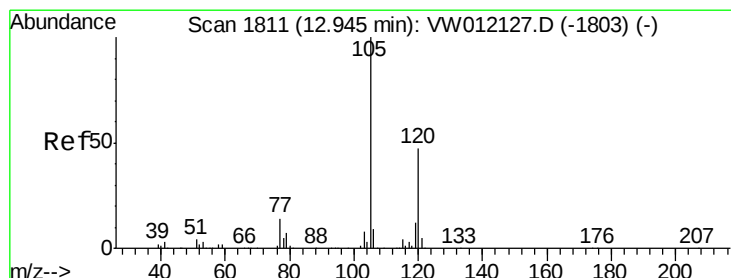
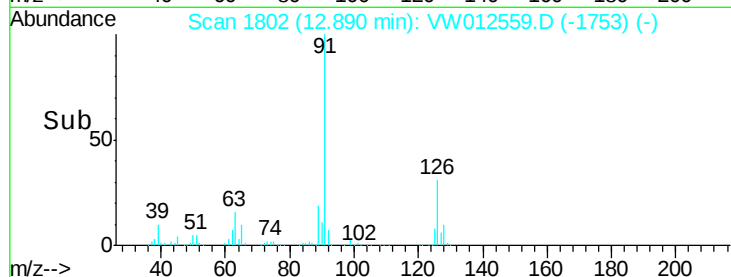
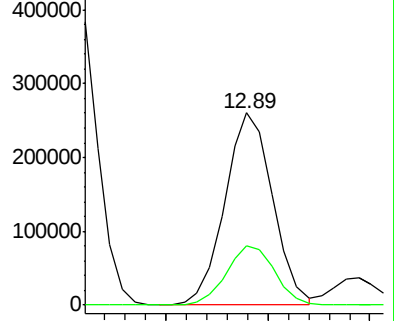
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.191 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012559.D

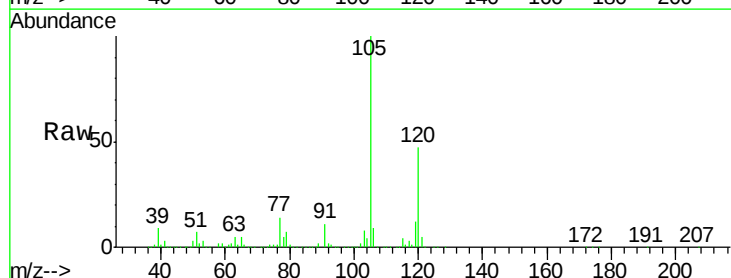
Acq: 03 Sep 2019 21:30

Tgt Ion:105 Resp: 522763

Ion Ratio Lower Upper

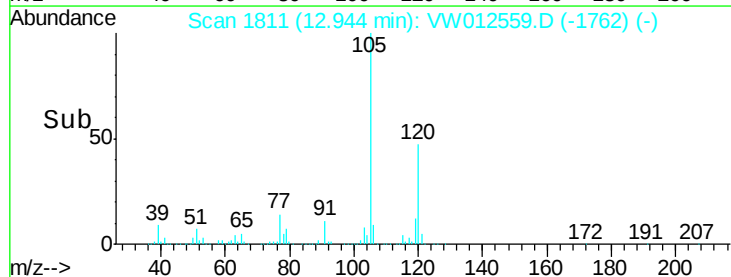
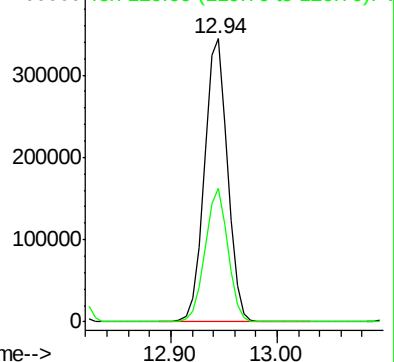
105 100

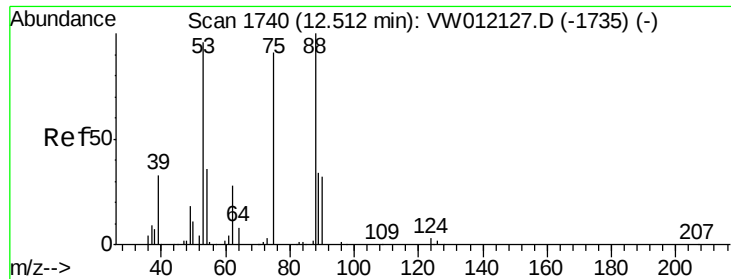
120 46.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 58.572 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

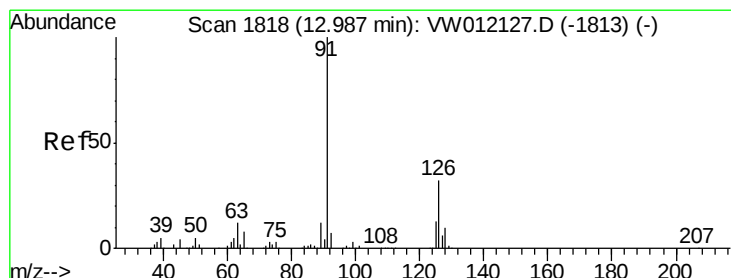
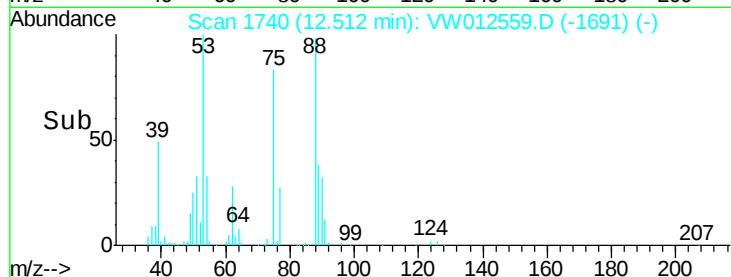
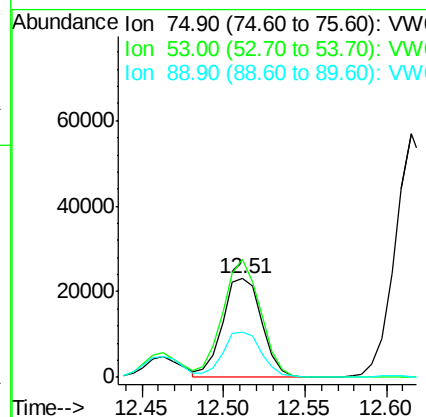
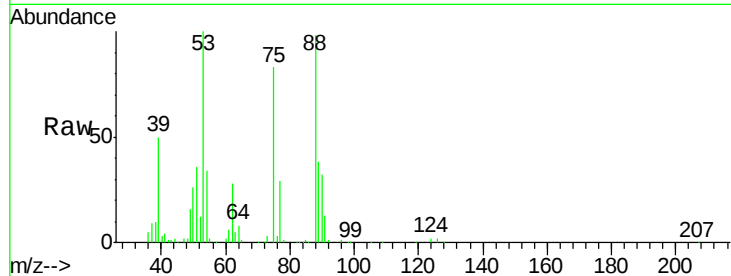
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	38659
Ion	Ratio	Lower	Upper
75	100		
53	113.7	89.4	134.0
89	45.9	34.5	51.7

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#82

4-Chlorotoluene

Concen: 54.995 ug/l

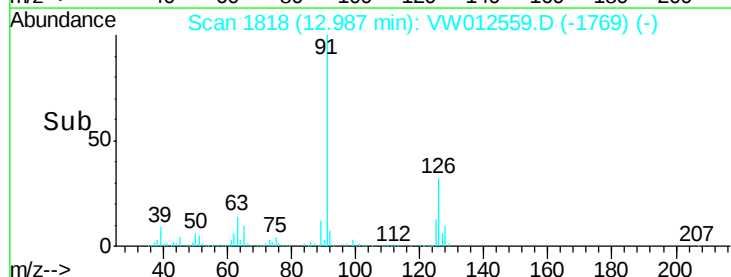
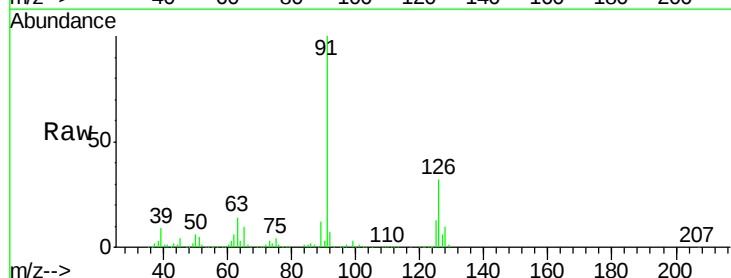
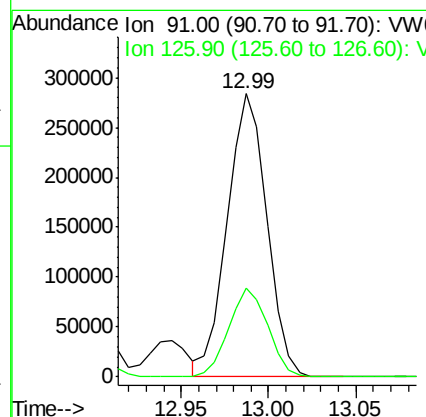
RT: 12.99 min Scan# 1818

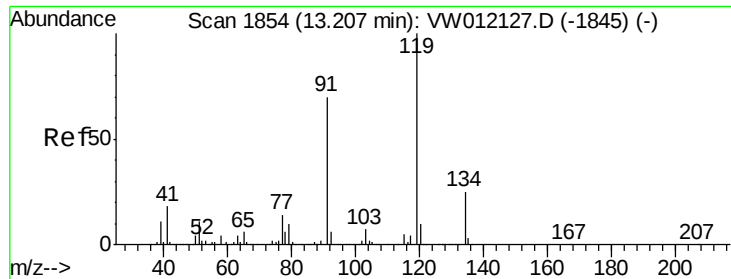
Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Tgt Ion:	91	Resp:	444361
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





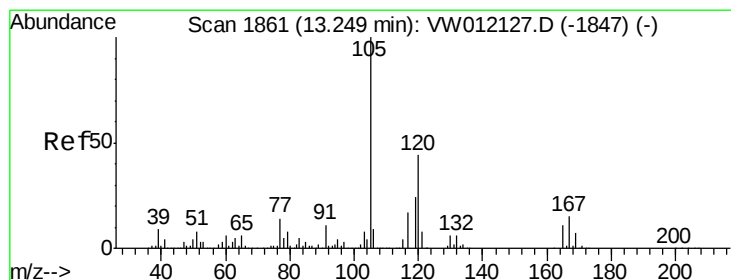
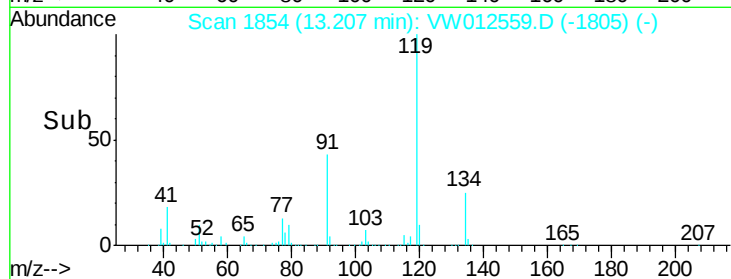
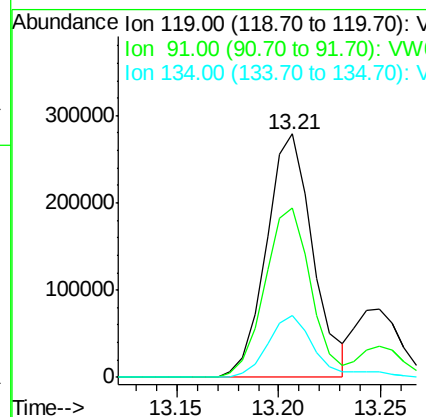
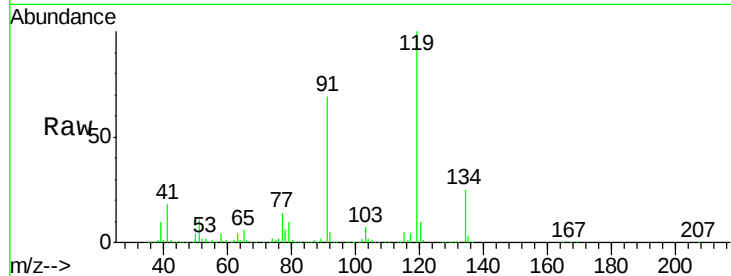
#83
tert-Butylbenzene
Concen: 56.238 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.8	104.3
134	26.3	13.3	39.8

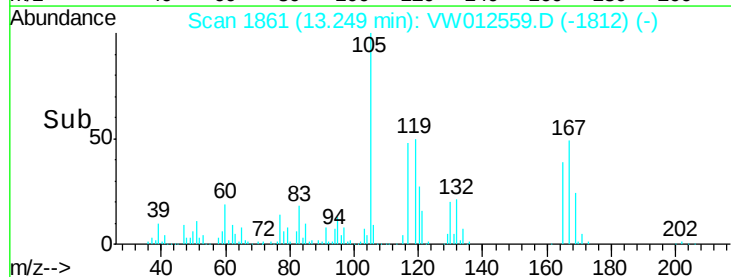
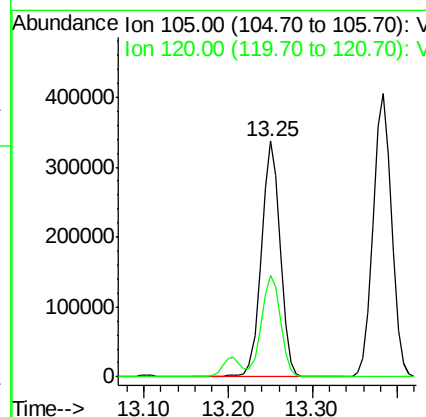
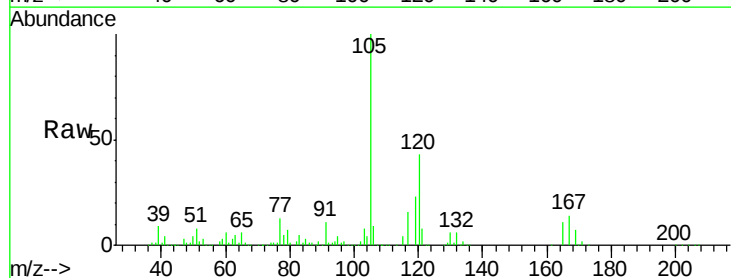
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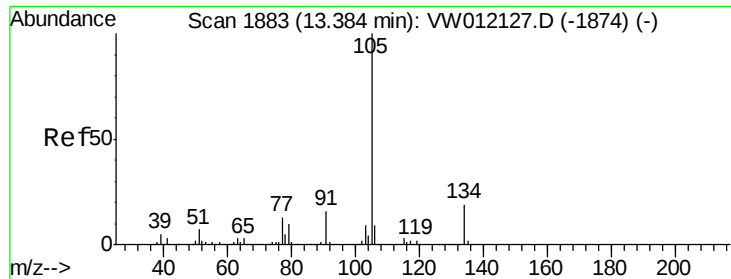
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#84
1,2,4-Trimethylbenzene
Concen: 55.618 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.9	65.7





#85

sec-Butylbenzene

Concen: 54.812 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 618853

Ion Ratio Lower Upper

105 100

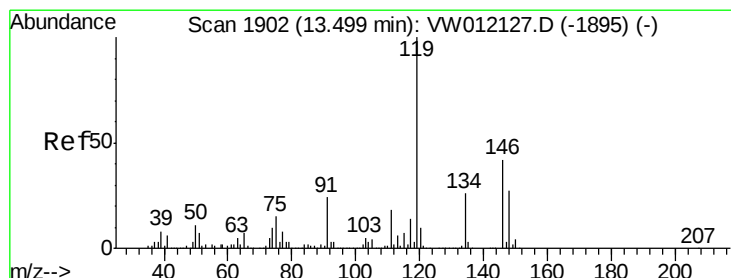
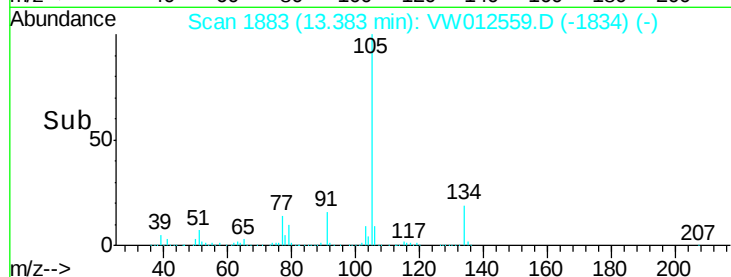
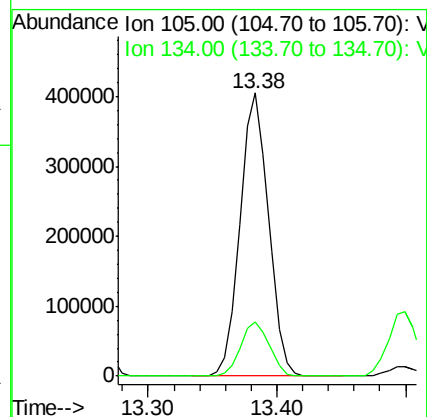
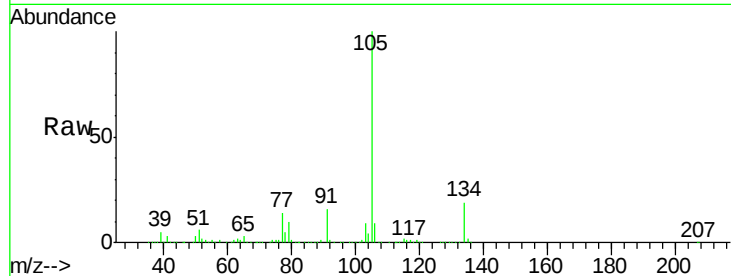
134 19.4 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 55.906 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012559.D

Acq: 03 Sep 2019 21:30

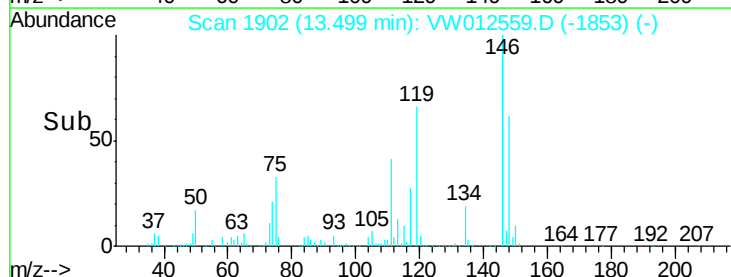
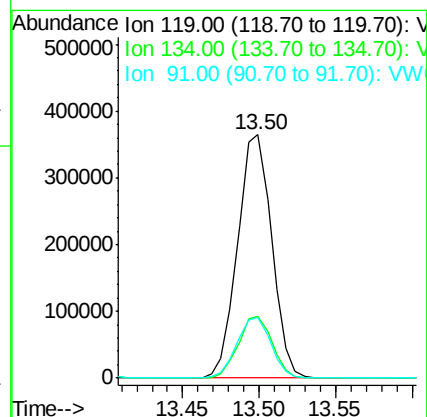
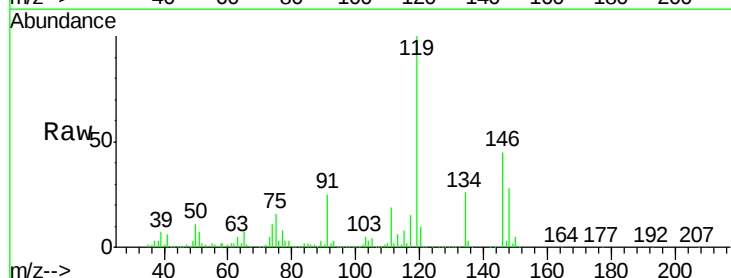
Tgt Ion:119 Resp: 563703

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

91 24.7 12.3 36.9





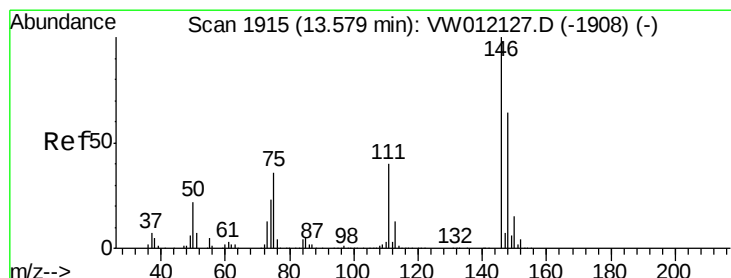
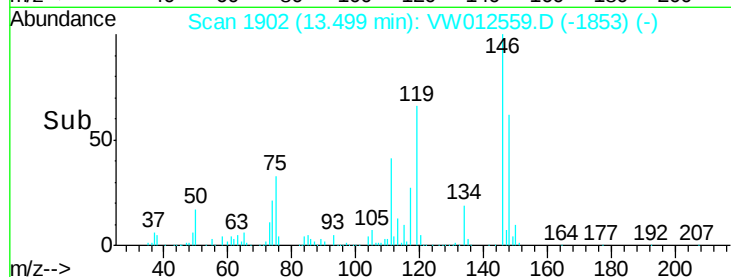
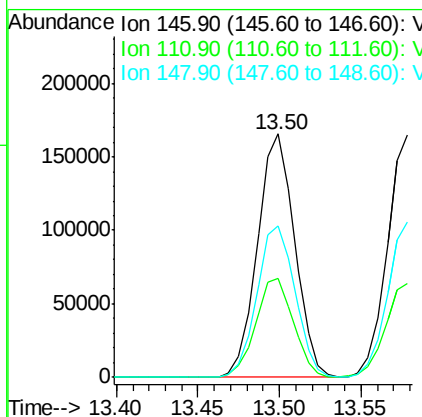
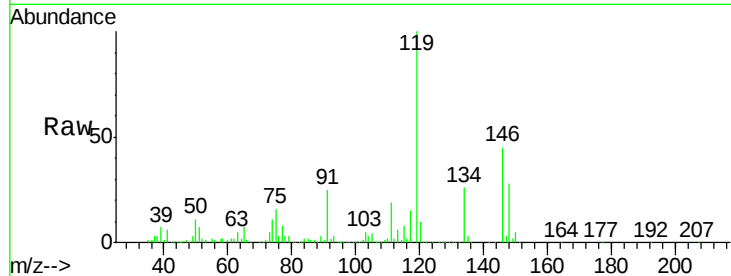
#87
 1,3-Dichlorobenzene
 Concen: 55.544 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	261683		
111	41.3	20.9	62.7	
148	64.0	32.2	96.6	

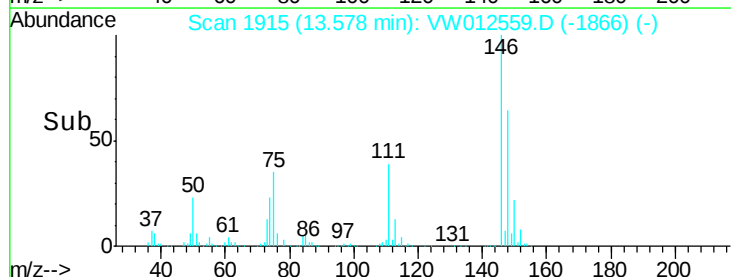
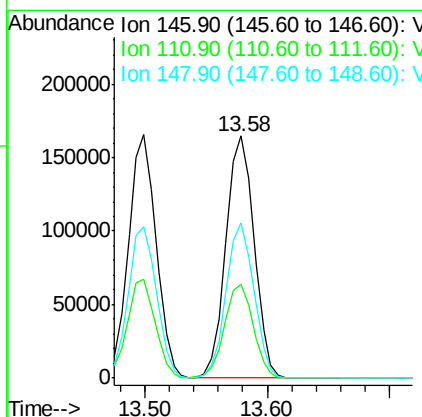
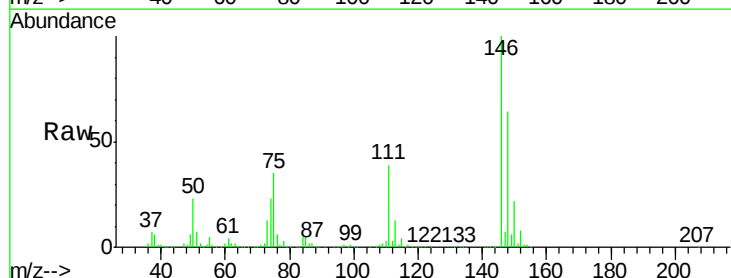
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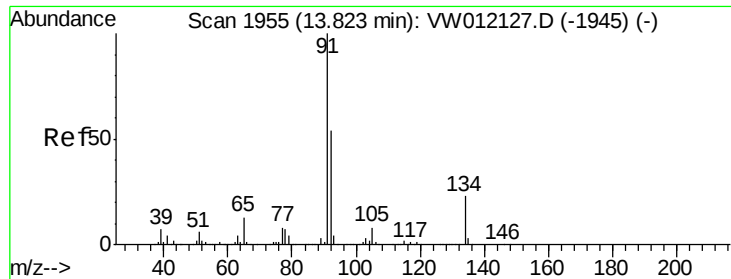
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#88
 1,4-Dichlorobenzene
 Concen: 56.294 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	263339		
111	39.5	20.0	60.0	
148	62.9	32.1	96.3	





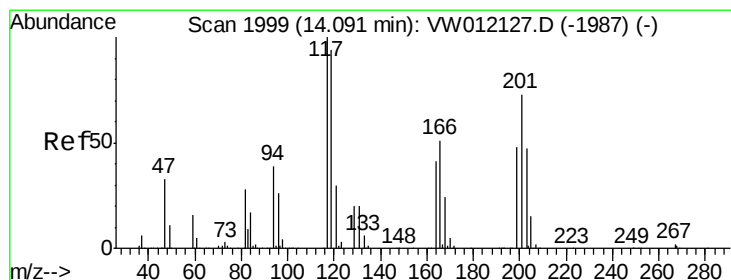
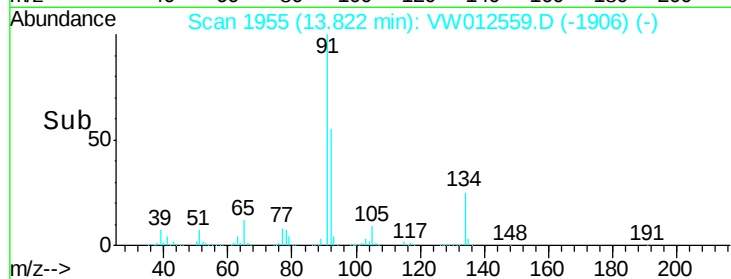
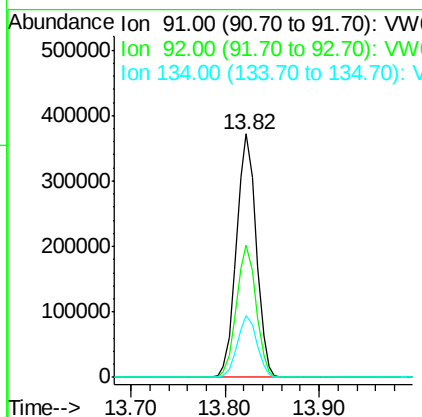
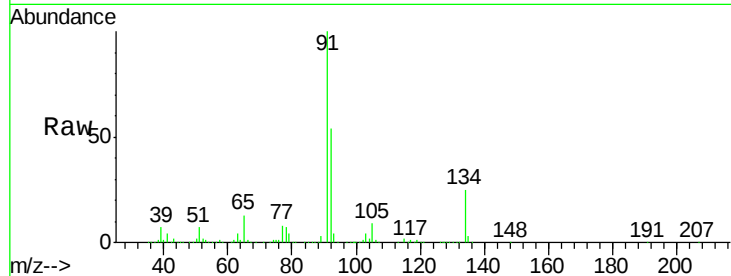
#89
n-Butylbenzene
Concen: 54.153 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	542992		
92	54.0		27.1	81.2
134	25.1		12.2	36.4

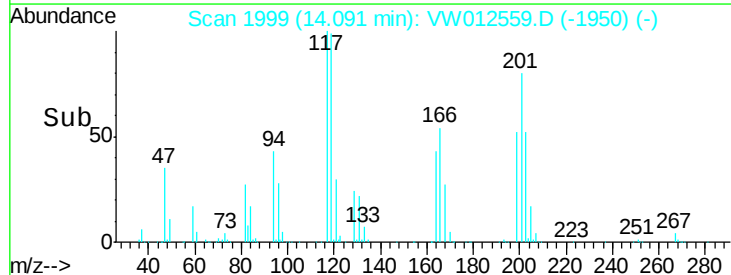
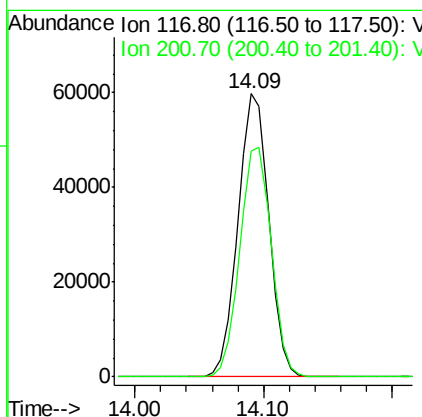
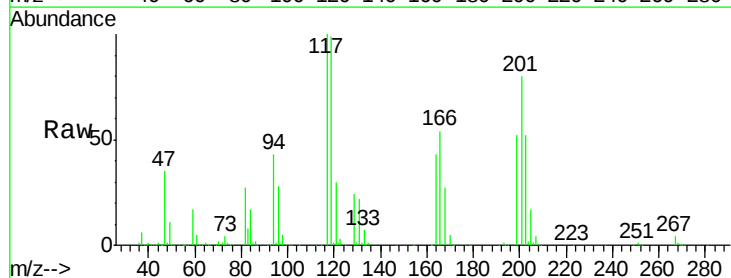
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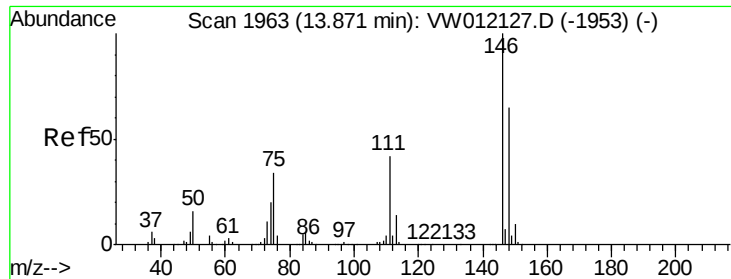
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#90
Hexachloroethane
Concen: 56.027 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	99114		
201	82.6		38.6	115.7





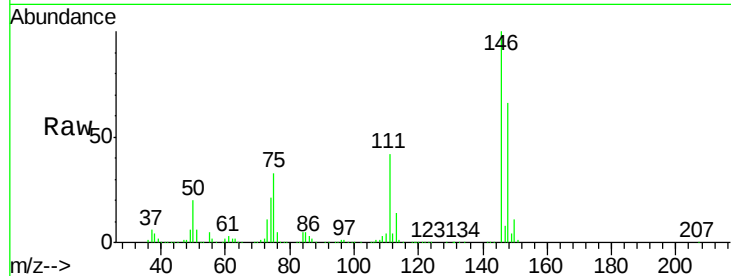
#91
 1,2-Dichlorobenzene
 Concen: 56.893 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

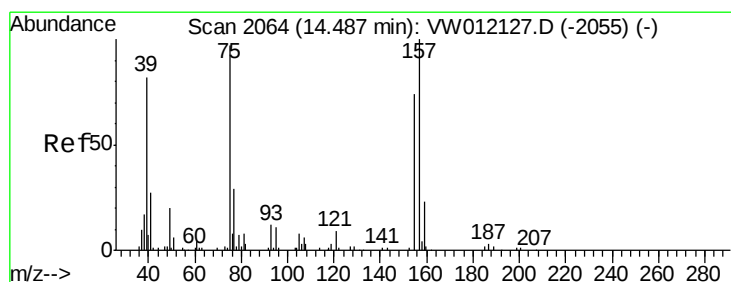
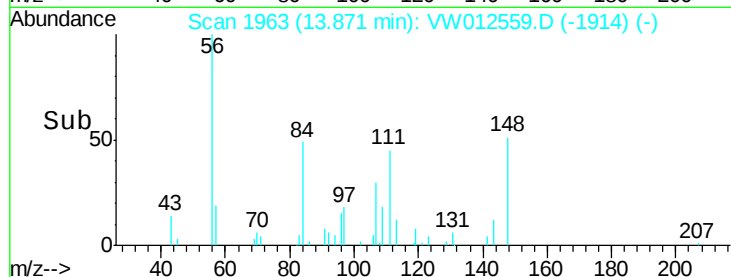
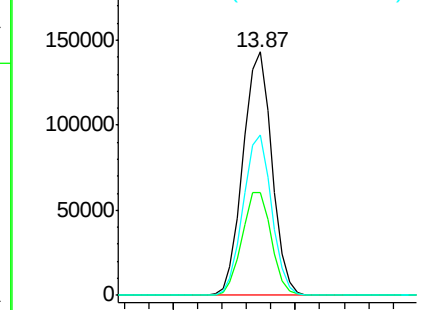
Tot Ion:	146	Resp:	235140
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.2	63.6
148	64.9	32.5	97.4

Manual Integrations
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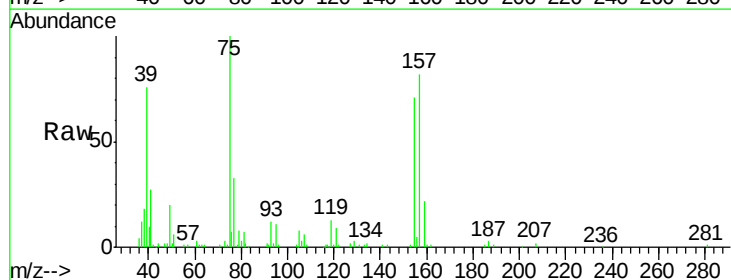


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

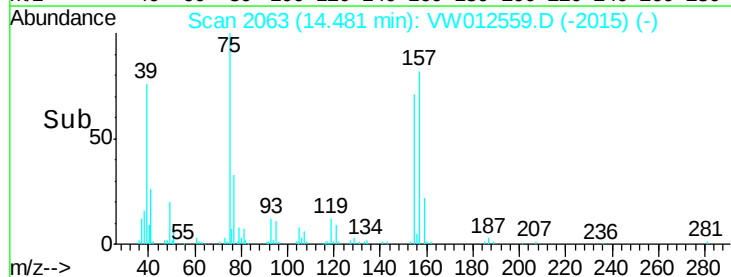
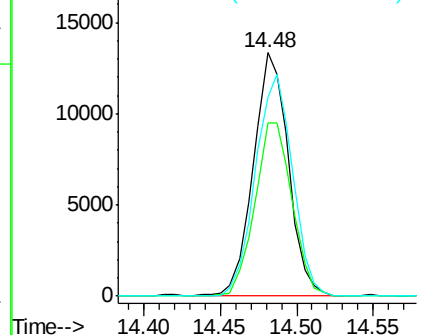


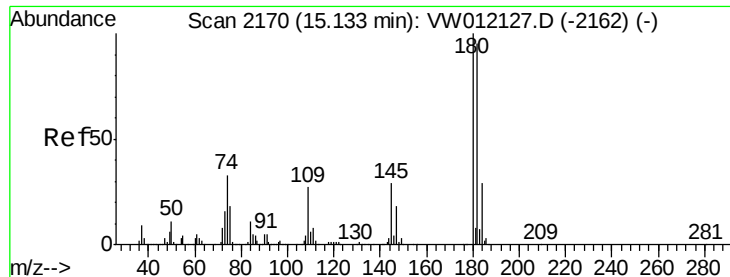
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.798 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion:	75	Resp:	21265
Ion Ratio	Lower	Upper	
75	100		
155	75.5	37.5	112.3
157	96.0	50.5	151.5



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





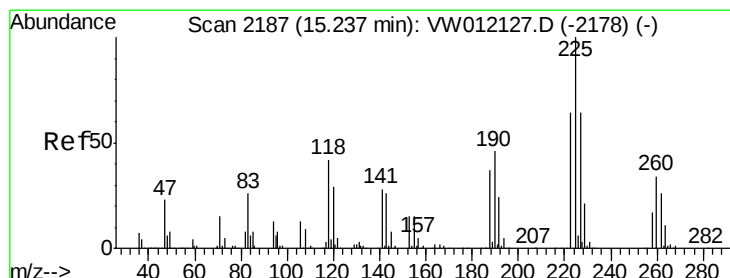
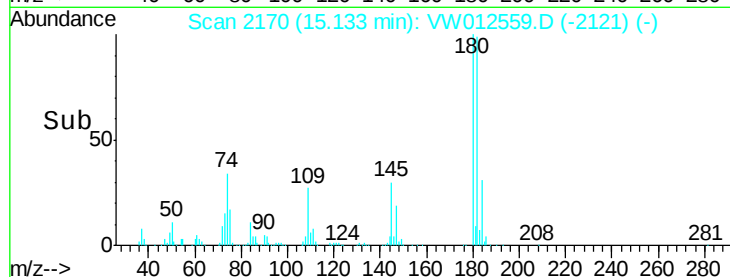
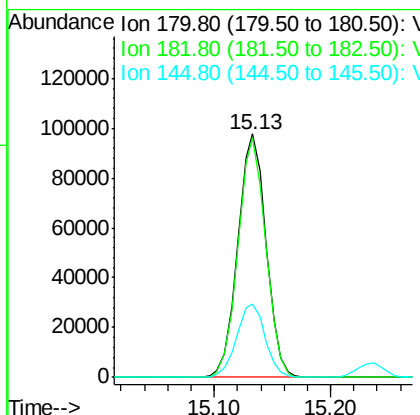
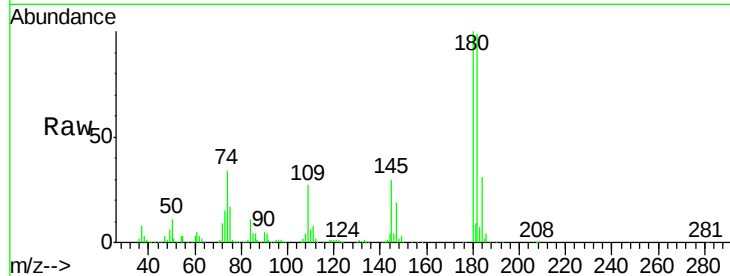
#93
 1,2,4-Trichlorobenzene
 Concen: 57.893 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	165352		
182	96.8	47.8	143.4	
145	30.3	15.0	45.1	

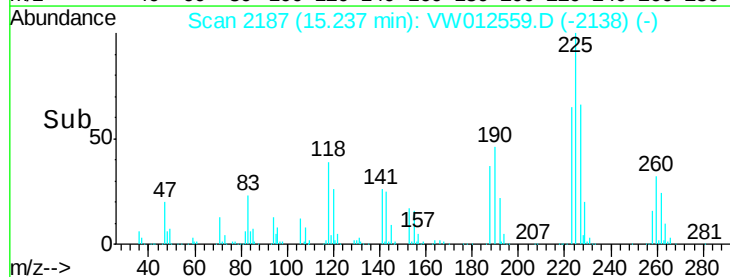
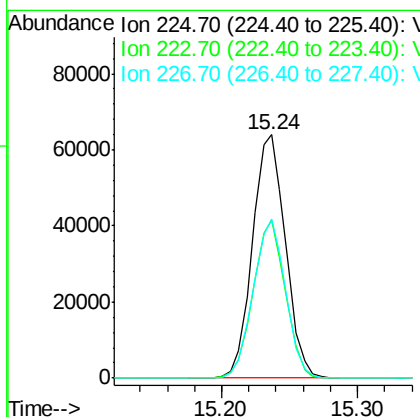
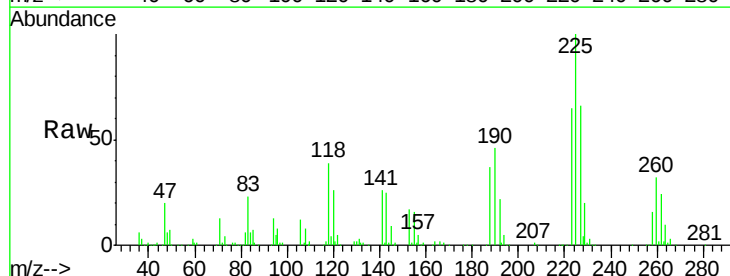
Manual Integrations
 APPROVED

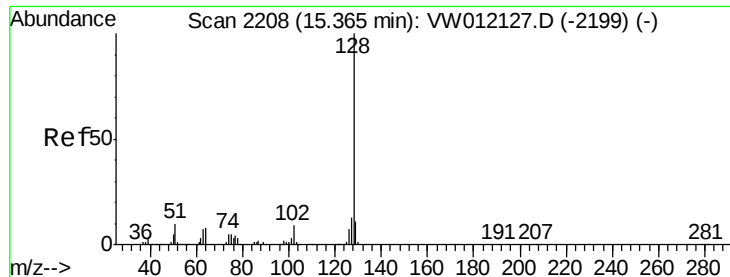
MMDadoda
 9/4/2019 9:34:30 AM



#94
 Hexachlorobutadiene
 Concen: 57.519 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012559.D
 Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108477		
223	63.3	32.3	96.8	
227	64.1	32.9	98.6	





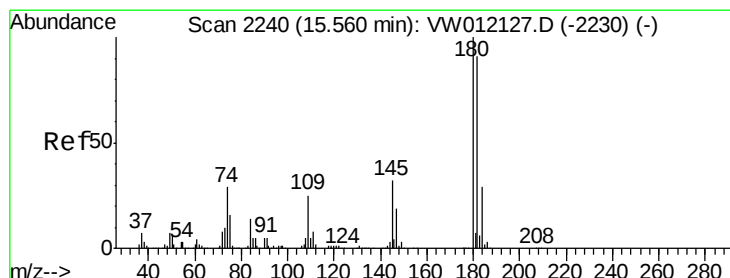
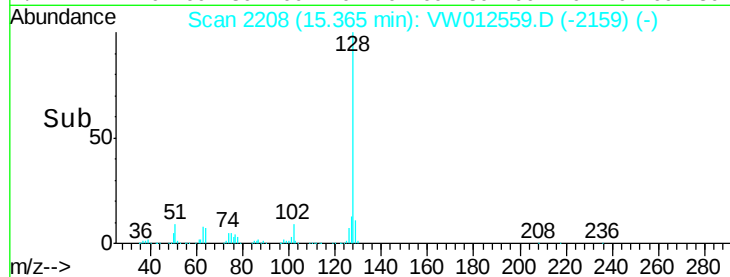
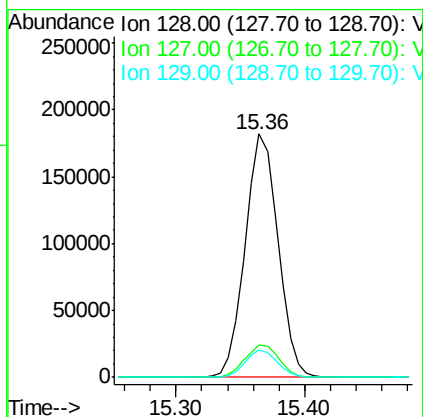
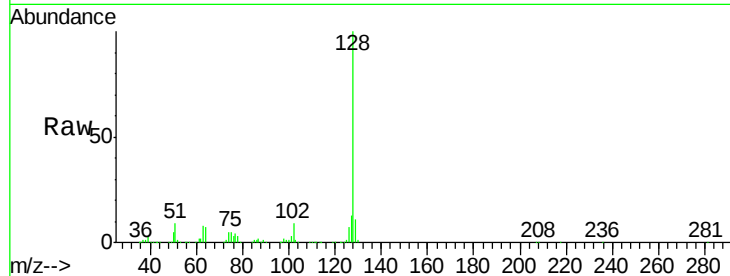
#95
Naphthalene
Concen: 56.528 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.6	10.7	16.1	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/4/2019 9:34:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 59.630 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012559.D
Acq: 03 Sep 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.1	141.3	
145	32.7	16.2	48.5	

