

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058334.D
 Acq On : 24 Sep 2019 8:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:58 AM

Quant Time: Sep 24 09:31:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	467262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	826795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	743600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	352307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	343289	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
35) Dibromofluoromethane	7.58	113	250410	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.09	98	961901	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.41	95	354342	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	166397	43.350	ug/l	99
3) Chloromethane	2.04	50	141911	47.921	ug/l	99
4) Vinyl Chloride	2.17	62	156946	48.481	ug/l	99
5) Bromomethane	2.54	94	69764	40.867	ug/l	93
6) Chloroethane	2.68	64	105072	50.723	ug/l	94
7) Trichlorofluoromethane	3.00	101	234099	44.681	ug/l	99
8) Diethyl Ether	3.39	74	121787	50.731	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	172575	45.685	ug/l	99
10) Methyl Iodide	3.93	142	112660	35.592	ug/l	98
11) Tert butyl alcohol	4.76	59	220407	284.709	ug/l	100
12) 1,1-Dichloroethene	3.72	96	142577	49.734	ug/l	96
13) Acrolein	3.59	56	34463	300.394	ug/l	97
14) Allyl chloride	4.30	41	291115	47.097	ug/l	99
15) Acrylonitrile	4.96	53	592298	287.168	ug/l	99
16) Acetone	3.79	43	507538	229.750	ug/l	97
17) Carbon Disulfide	4.03	76	179456	44.503	ug/l	100
18) Methyl Acetate	4.30	43	330250	56.814	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	771362	54.140	ug/l	99
20) Methylene Chloride	4.53	84	204915	52.995	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	154979	49.610	ug/l	99
22) Diisopropyl ether	5.93	45	841320	53.582	ug/l	99
23) Vinyl Acetate	5.87	43	3025719	281.623	ug/l	100
24) 1,1-Dichloroethane	5.83	63	429770	51.284	ug/l	98
25) 2-Butanone	6.82	43	822490	273.287	ug/l	99
26) 2,2-Dichloropropane	6.80	77	195969	27.564	ug/l	93
27) cis-1,2-Dichloroethene	6.81	96	242239	51.122	ug/l	95
28) Bromochloromethane	7.18	49	220204	55.546	ug/l #	100
29) Tetrahydrofuran	7.19	42	510808	275.540	ug/l	99
30) Chloroform	7.36	83	463839	51.420	ug/l	100
31) Cyclohexane	7.64	56	257788	47.467	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	359516	52.353	ug/l	99
36) 1,1-Dichloropropene	7.78	75	262147	43.967	ug/l	99
37) Ethyl Acetate	6.91	43	329209	53.204	ug/l	99
38) Carbon Tetrachloride	7.76	117	283261	47.261	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	246290	42.733	ug/l	98
40) Benzene	8.03	78	858391	47.135	ug/l	99
41) Methacrylonitrile	7.15	41	183879	58.825	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	374299	48.982	ug/l	100
43) Isopropyl Acetate	8.15	43	612371	52.991	ug/l	99
44) Trichloroethene	8.82	130	206759	46.395	ug/l	96
45) 1,2-Dichloropropane	9.11	63	271536	49.928	ug/l	97
46) Dibromomethane	9.20	93	164335	49.700	ug/l	99
47) Bromodichloromethane	9.40	83	362342	52.308	ug/l	99
48) Methyl methacrylate	9.19	41	282975	53.931	ug/l	99
49) 1,4-Dioxane	9.19	88	92067	1068.737	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1838813	299.573	ug/l	100
52) Toluene	10.15	92	541406	47.437	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	353428	49.808	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	370250	47.260	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	263228	51.971	ug/l	98
56) Ethyl methacrylate	10.43	69	402069	55.019	ug/l	99
57) 1,3-Dichloropropane	10.71	76	439357	50.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1002164	287.904	ug/l	100
59) 2-Hexanone	10.75	43	1324455	290.532	ug/l	99
60) Dibromochloromethane	10.90	129	264446	54.271	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243325	51.839	ug/l	99
64) Tetrachloroethene	10.63	164	178025	49.112	ug/l	99
65) Chlorobenzene	11.44	112	641283	49.030	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	256042	53.987	ug/l	99
67) Ethyl Benzene	11.51	91	1129301	50.390	ug/l	99
68) m/p-Xylenes	11.62	106	819571	97.096	ug/l	98
69) o-Xylene	11.95	106	417250	50.273	ug/l	100
70) Styrene	11.97	104	746878	52.228	ug/l	100
71) Bromoform	12.13	173	173907	49.498	ug/l #	99
73) Isopropylbenzene	12.25	105	1163882	52.779	ug/l	99
74) N-amyl acetate	12.07	43	549873	59.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	417796	56.576	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	351906m	55.812	ug/l	
77) Bromobenzene	12.53	156	278817	50.264	ug/l	98
78) n-propylbenzene	12.60	91	1345854	53.707	ug/l	99
79) 2-Chlorotoluene	12.68	91	824438	52.643	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	999374	53.592	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	89811	43.273	ug/l	100
82) 4-Chlorotoluene	12.78	91	860027	52.242	ug/l	98
83) tert-Butylbenzene	13.00	119	895522	53.851	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1019130	54.917	ug/l	100
85) sec-Butylbenzene	13.18	105	1175561	54.059	ug/l	100
86) p-Isopropyltoluene	13.30	119	1037333	53.657	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	527130	52.028	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	528438	51.089	ug/l	100
89) n-Butylbenzene	13.62	91	932904	50.898	ug/l	100
90) Hexachloroethane	13.88	117	168163	49.627	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	539750	53.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	80413	60.484	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	344402	53.038	ug/l	100
94) Hexachlorobutadiene	15.02	225	153537	48.920	ug/l	96
95) Naphthalene	15.14	128	1035794	61.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	329143	53.629	ug/l	99

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

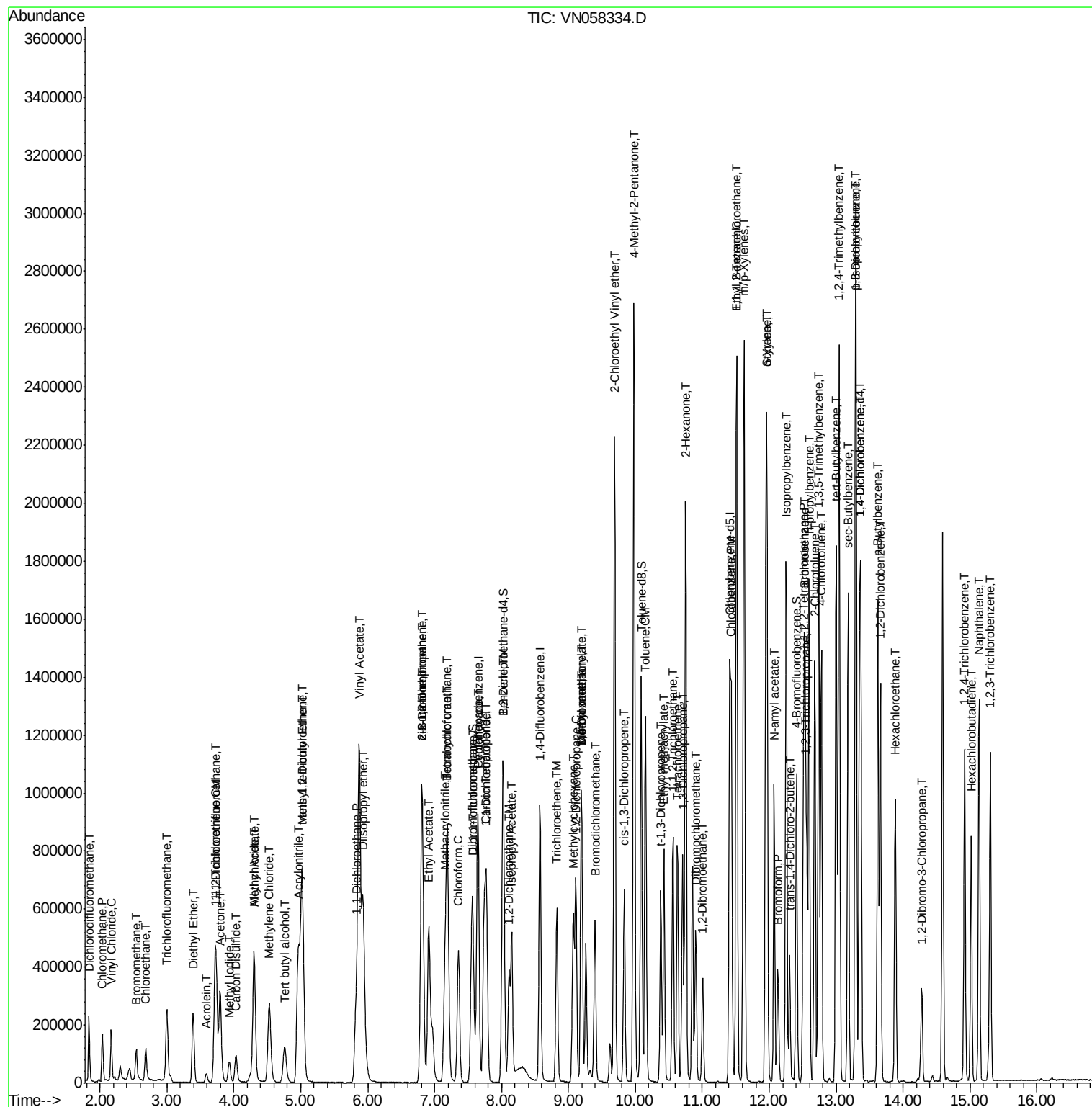
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Data File : VN058334.D
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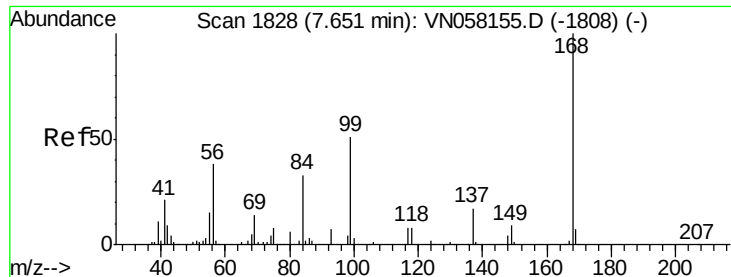
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 467262

Ion Ratio Lower Upper

168 100

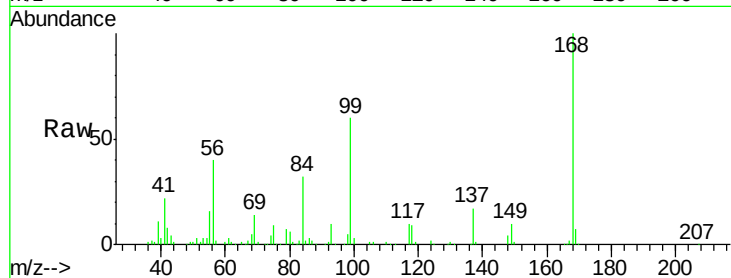
99 59.6 47.4 71.2

Manual Integrations

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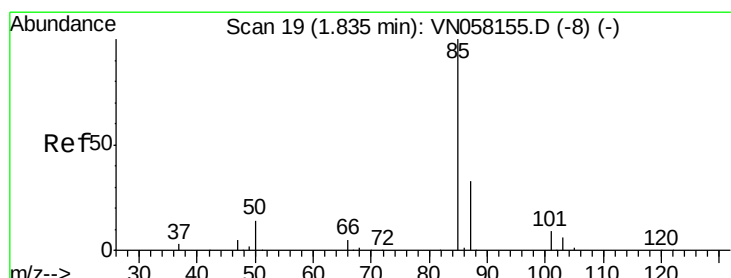
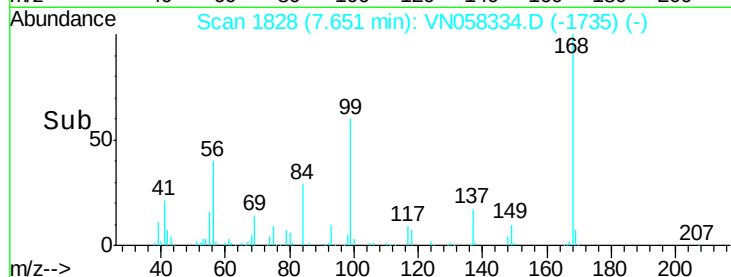
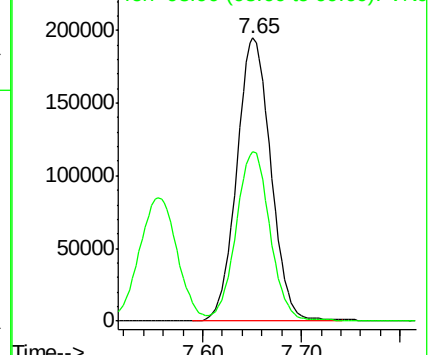
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9/25/2019 12:49:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.350 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058334.D

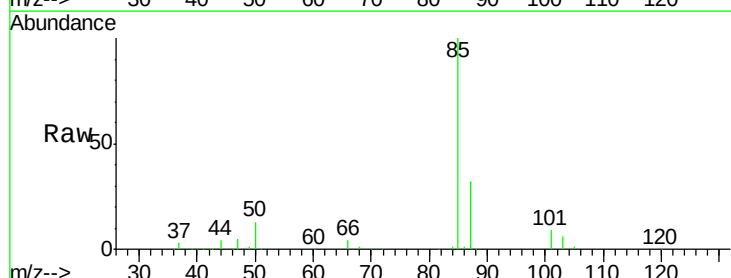
Acq: 24 Sep 2019 8:30

Tgt Ion: 85 Resp: 166397

Ion Ratio Lower Upper

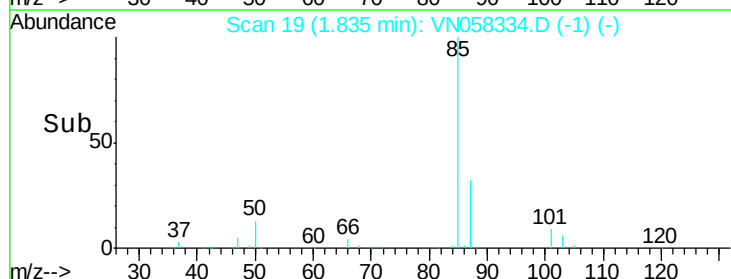
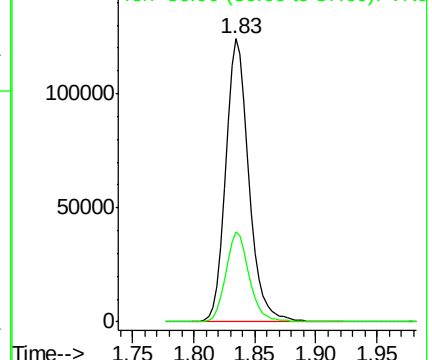
85 100

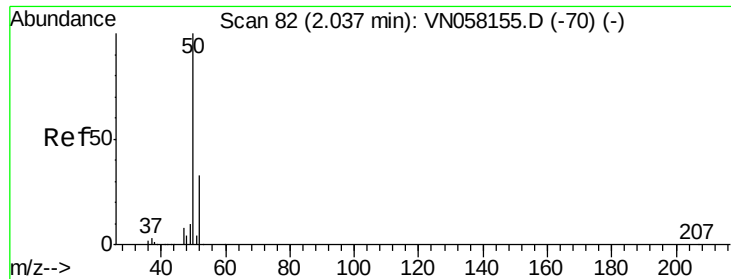
87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.921 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 141911

Ion Ratio Lower Upper

50 100

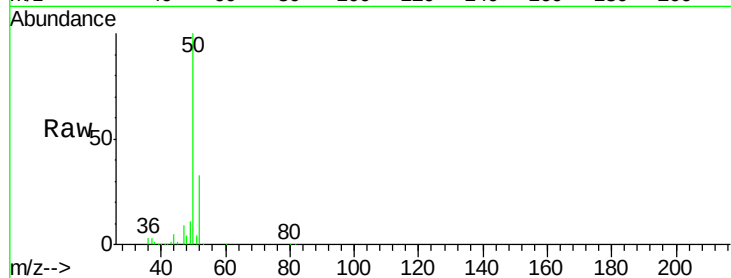
52 33.2 26.3 39.5

Manual Integrations

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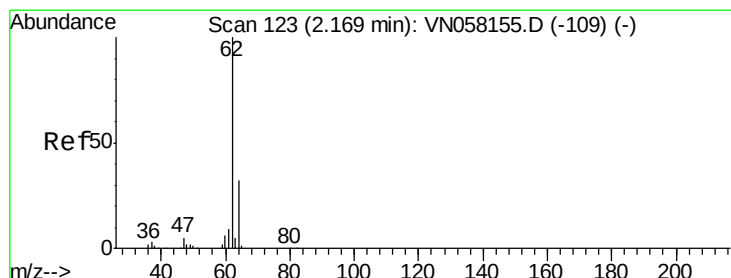
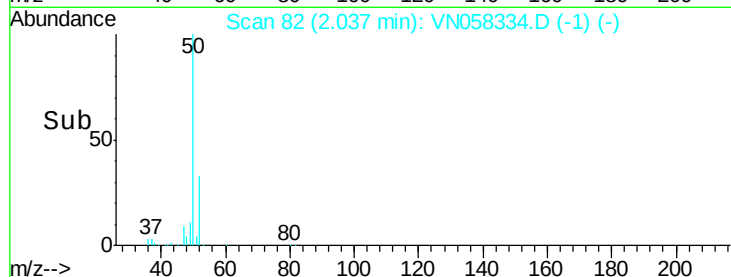
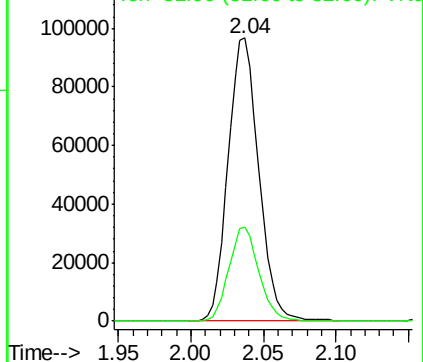
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.481 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058334.D

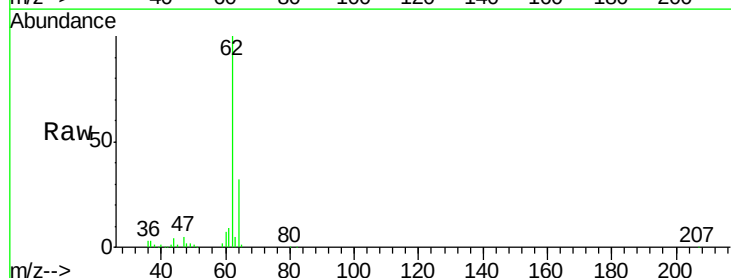
Acq: 24 Sep 2019 8:30

Tgt Ion: 62 Resp: 156946

Ion Ratio Lower Upper

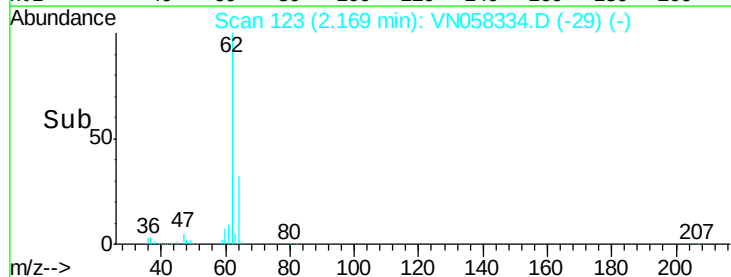
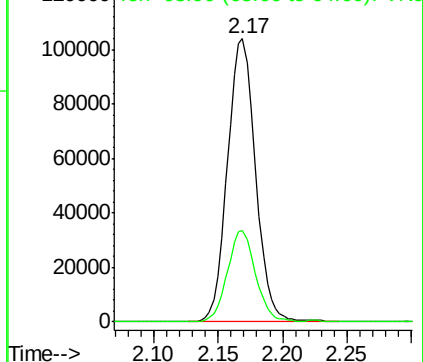
62 100

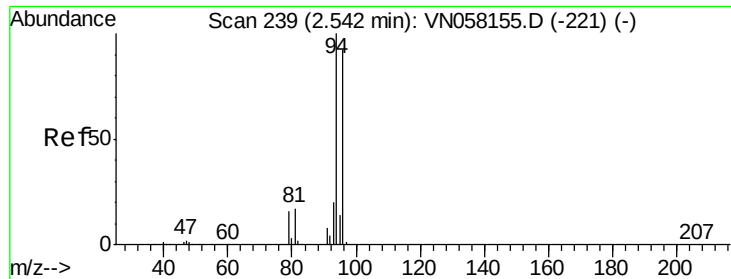
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 40.867 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

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ClientSampleId :

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Tot Ion: 94 Resp: 69764

Ion Ratio Lower Upper

94 100

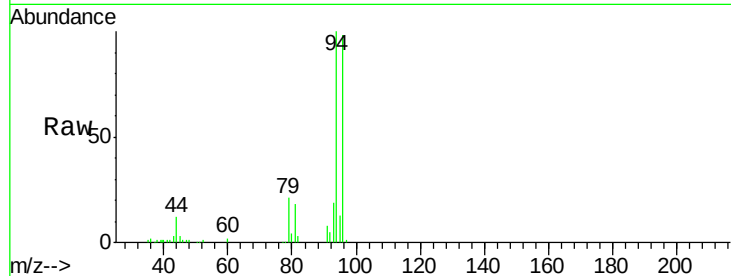
96 98.2 73.3 109.9

Manual Integrations

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9/25/2019 12:49:58 AM

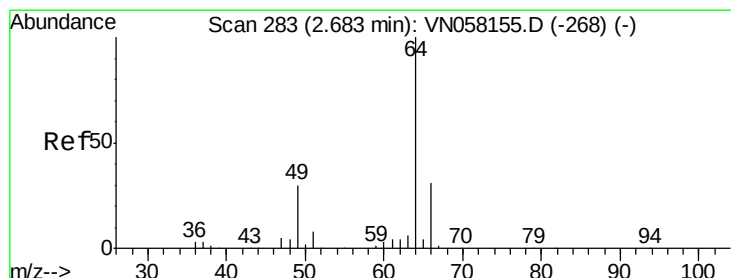
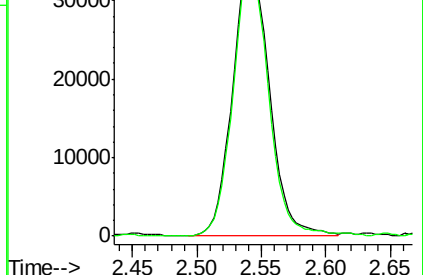
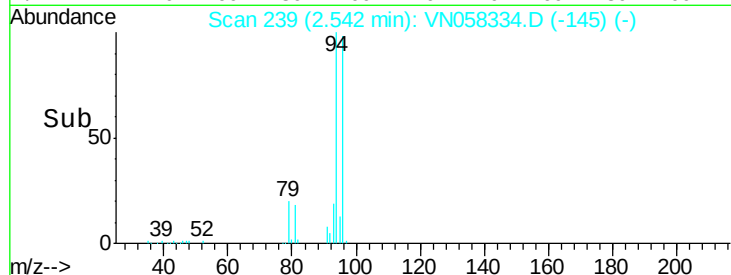


Abundance Ion 93.90 (93.60 to 94.60): VN058334.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN058334.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 50.723 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058334.D

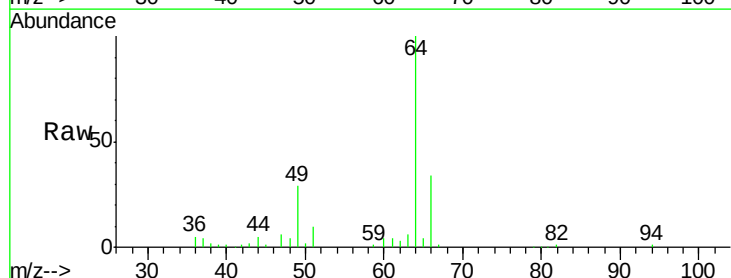
Acq: 24 Sep 2019 8:30

Tgt Ion: 64 Resp: 105072

Ion Ratio Lower Upper

64 100

66 33.8 24.6 37.0

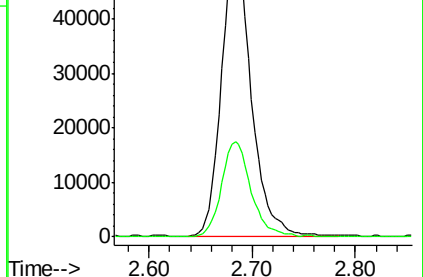
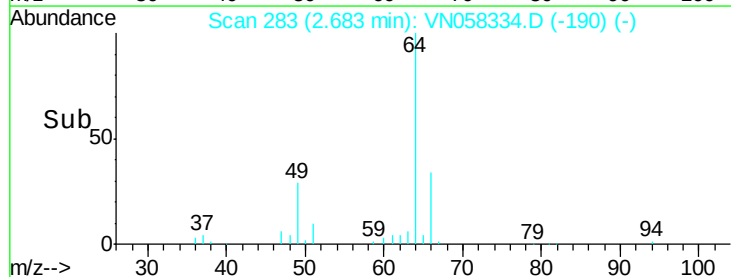


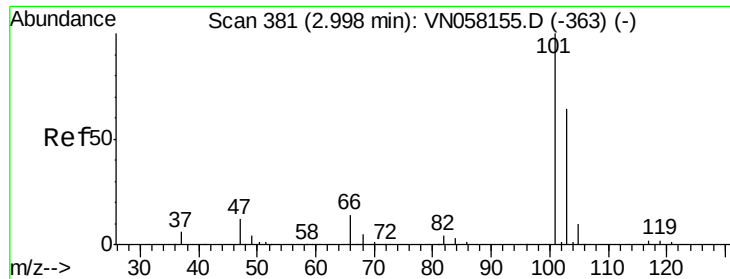
Abundance Ion 63.90 (63.60 to 64.60): VN058334.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN058334.D (-190) (-)

2.68

Time-->





#7

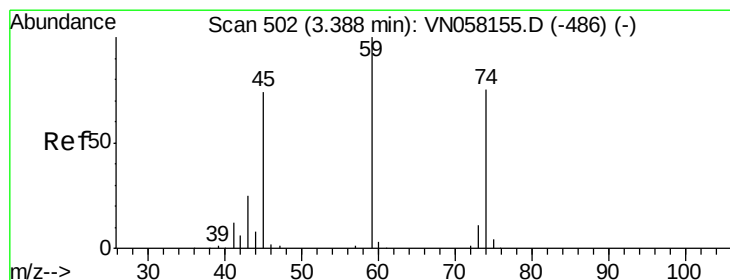
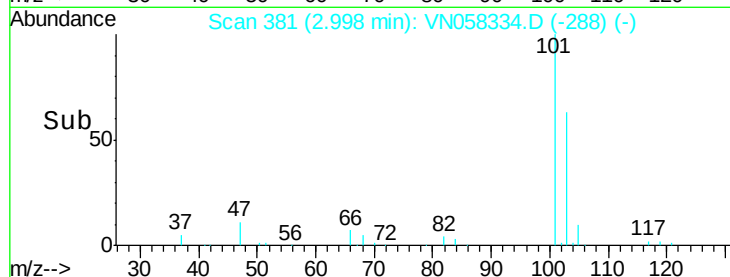
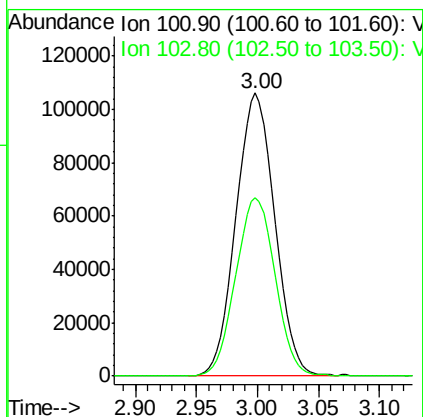
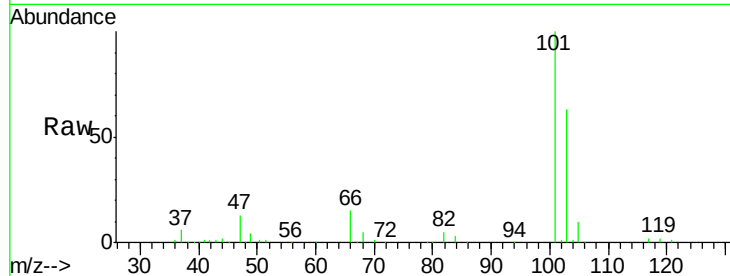
Trichlorofluoromethane
 Concen: 44.681 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058334.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		234099		
103	63.1	51.0	76.6		

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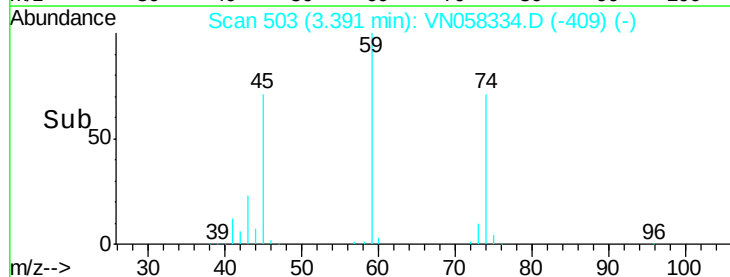
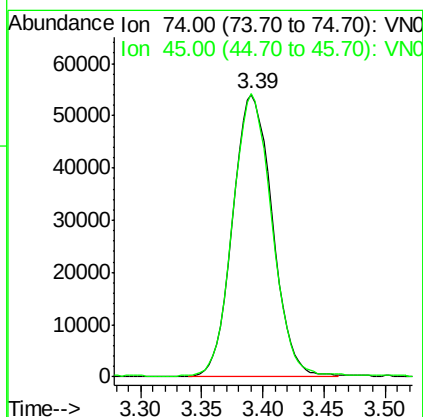
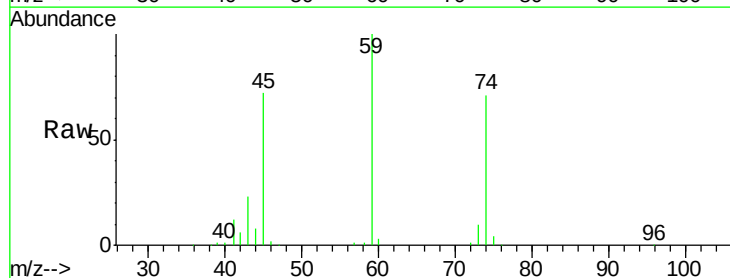
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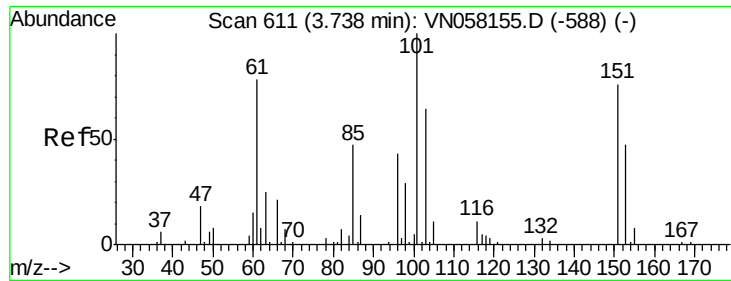


#8

Diethyl Ether
 Concen: 50.731 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		121787		
45	99.0	48.5	145.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.685 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

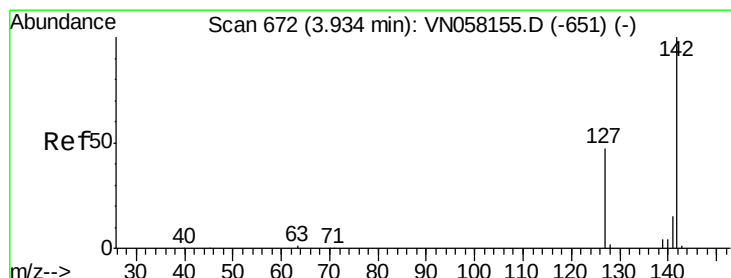
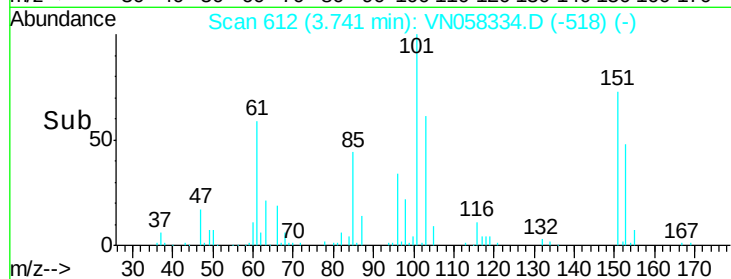
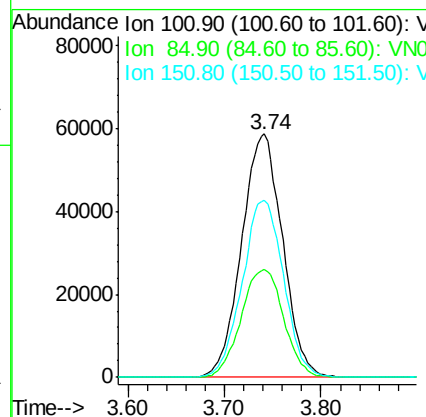
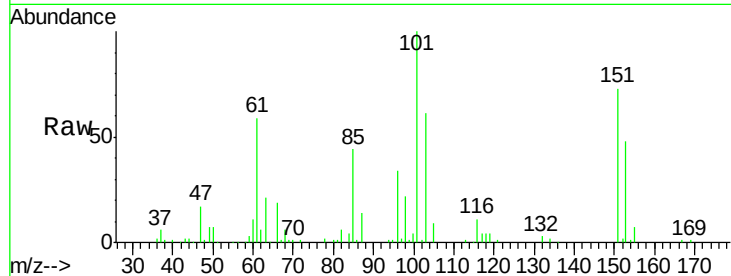
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	172575
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.3	55.9
151	73.6	59.6	89.4

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#10

Methyl Iodide

Concen: 35.592 ug/l

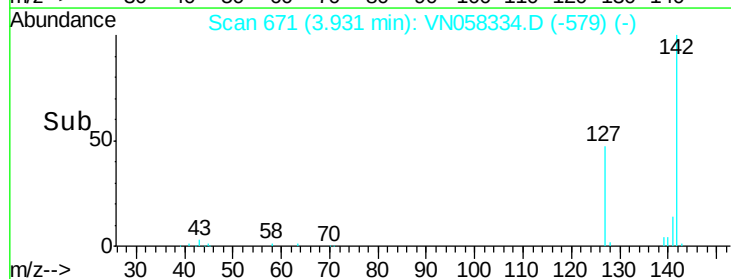
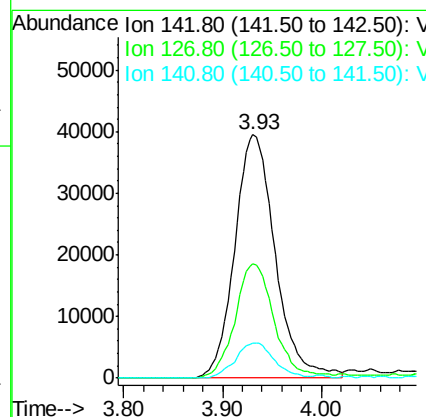
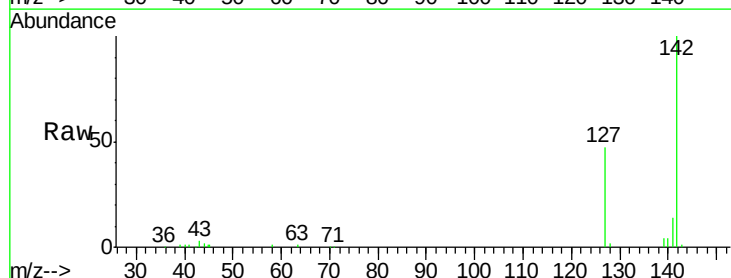
RT: 3.93 min Scan# 671

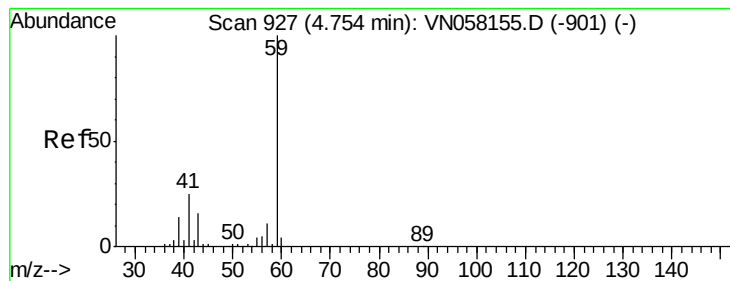
Delta R.T. -0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:	142	Resp:	112660
Ion Ratio	Lower	Upper	
142	100		
127	45.6	37.5	56.3
141	13.9	11.4	17.2





#11

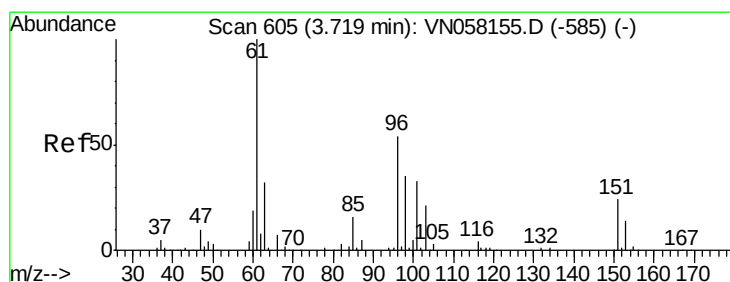
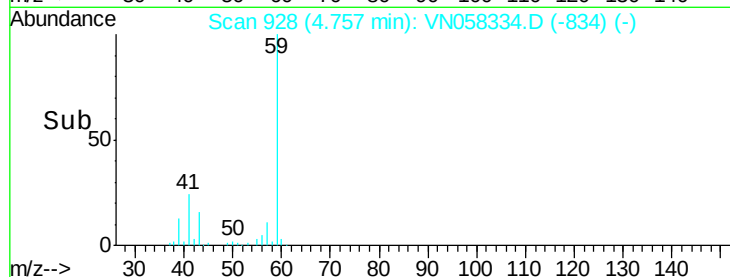
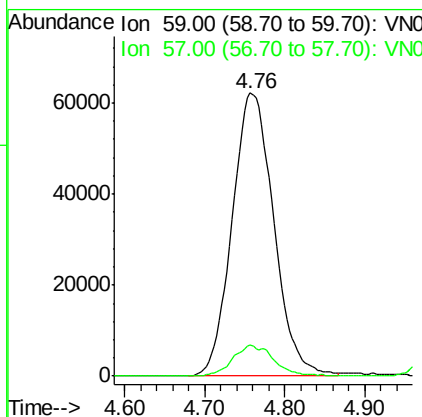
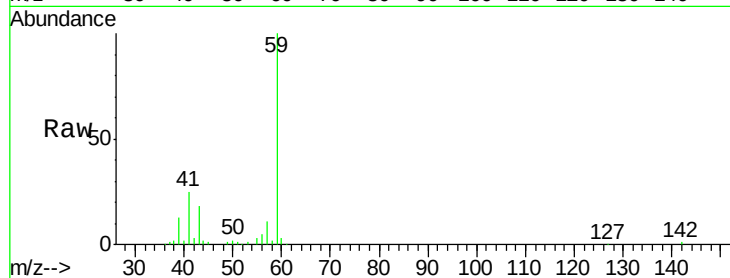
Tert butyl alcohol
 Concen: 284.709 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	13.0

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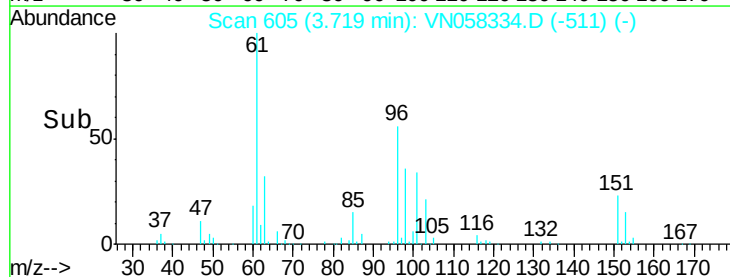
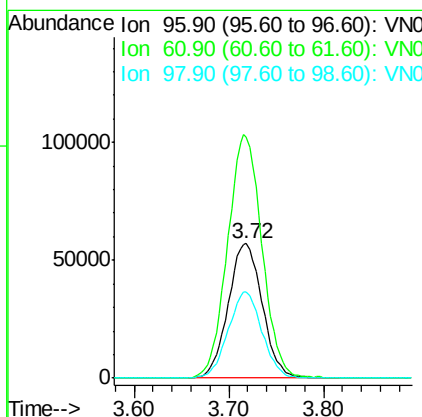
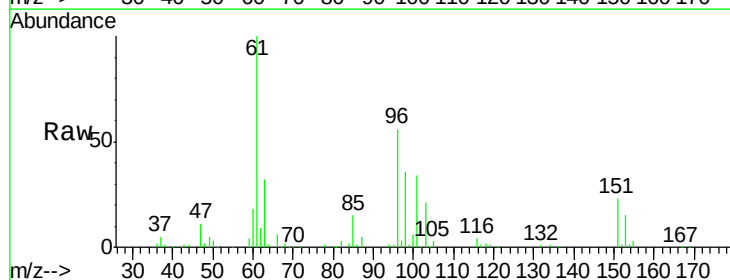
MMDadoda
 9/25/2019 12:49:58 AM

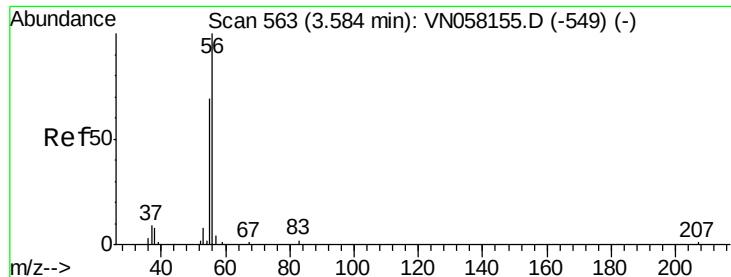


#12

1,1-Dichloroethene
 Concen: 49.734 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.8	149.5	224.3
98	64.4	52.4	78.6





#13

Acrolein

Concen: 300.394 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 34463

Ion Ratio Lower Upper

56 100

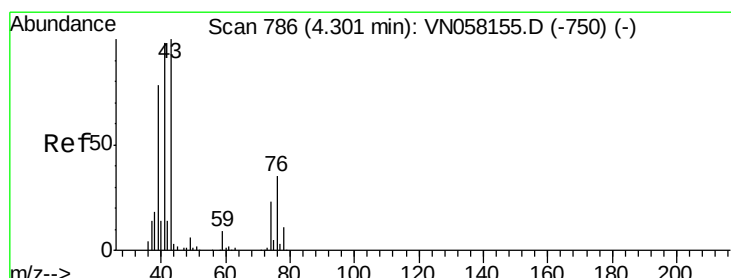
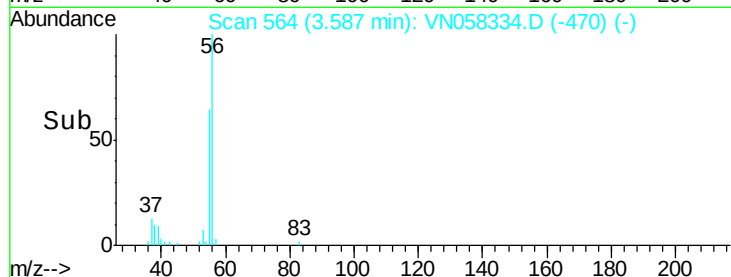
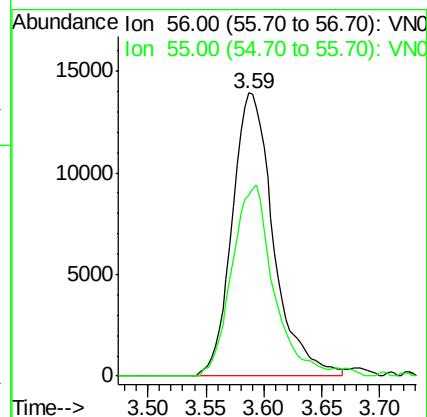
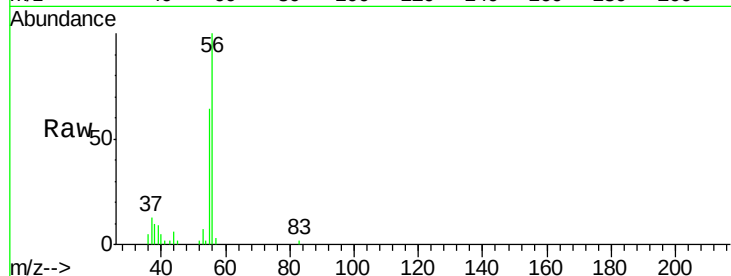
55 67.5 56.1 84.1

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#14

Allyl chloride

Concen: 47.097 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

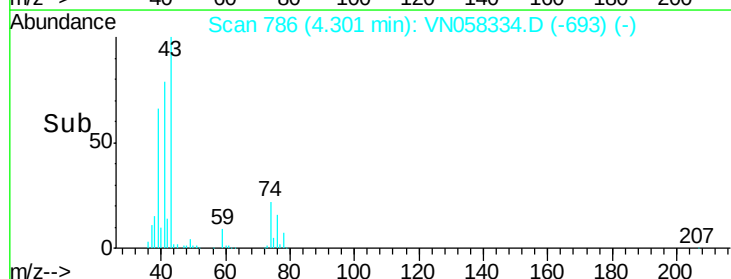
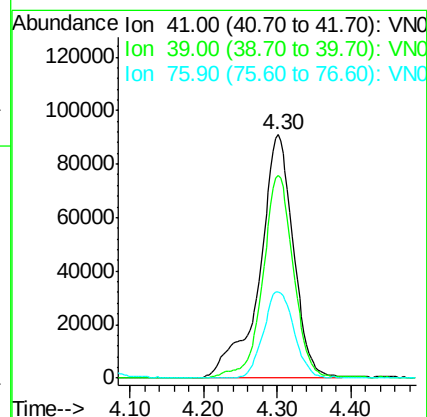
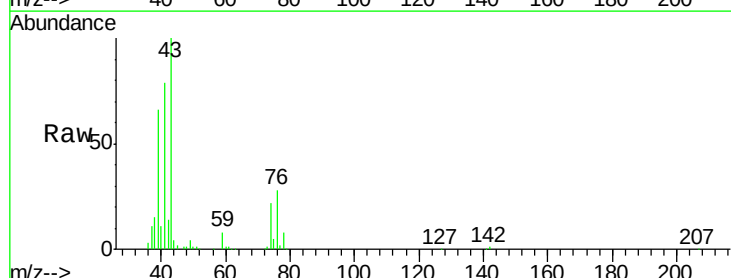
Tgt Ion: 41 Resp: 291115

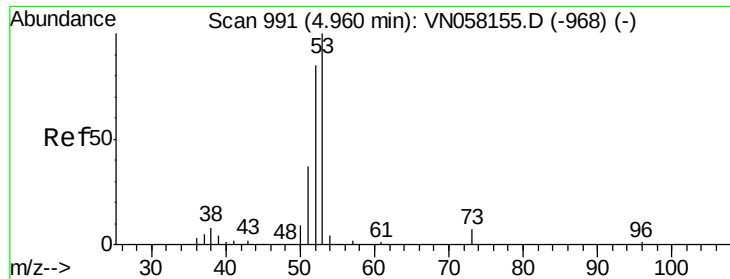
Ion Ratio Lower Upper

41 100

39 75.0 59.1 88.7

76 32.0 25.1 37.7





#15

Acrylonitrile

Concen: 287.168 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

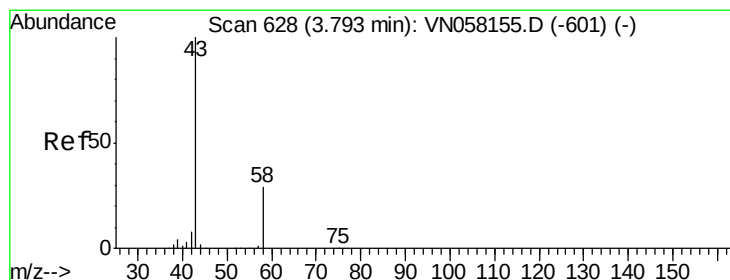
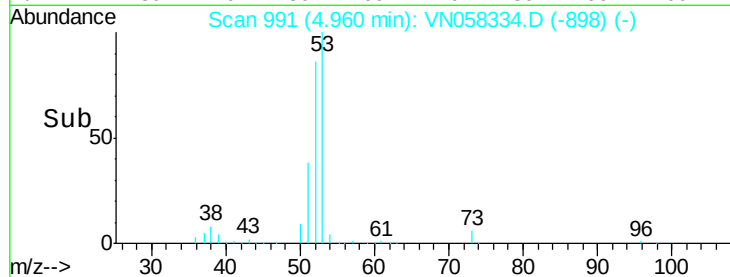
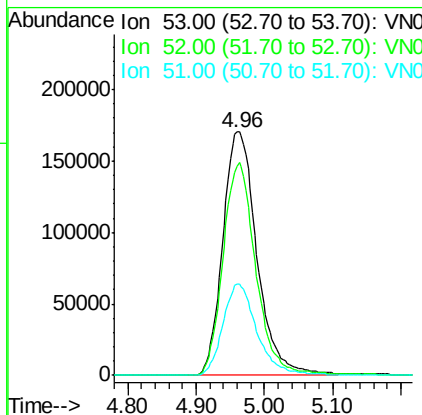
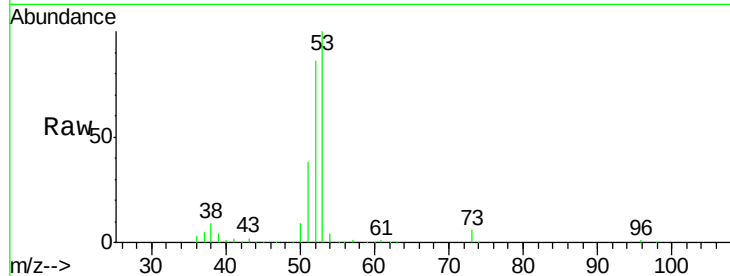
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	592298
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.6	100.0
51	37.5	29.7	44.5

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#16

Acetone

Concen: 229.750 ug/l

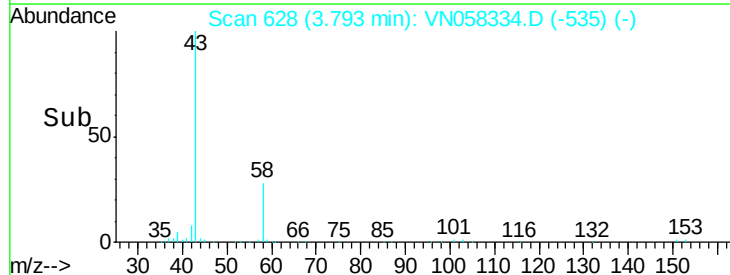
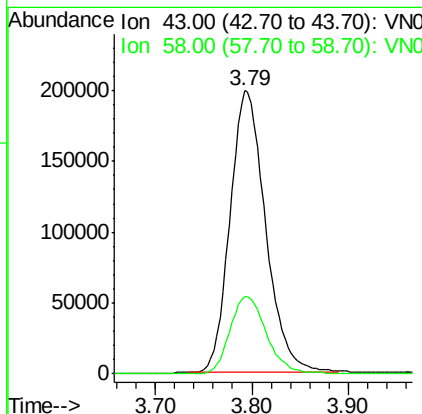
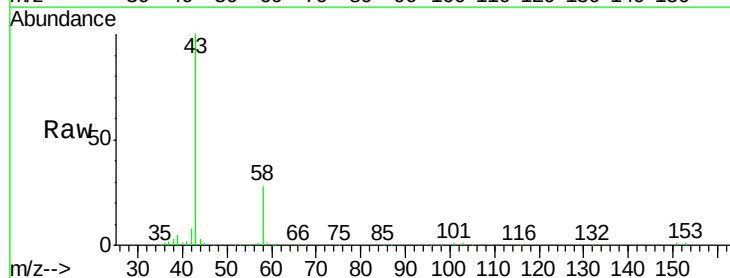
RT: 3.79 min Scan# 628

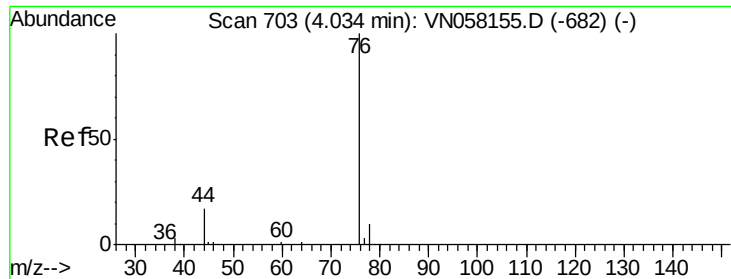
Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:	43	Resp:	507538
Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.2





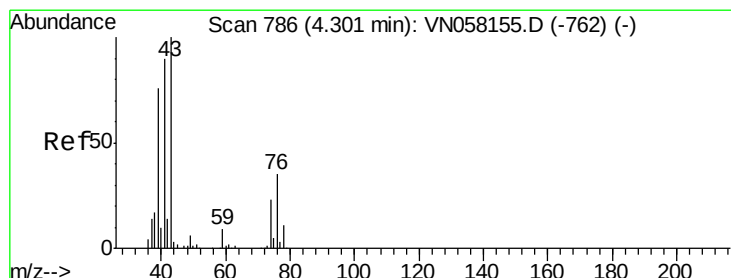
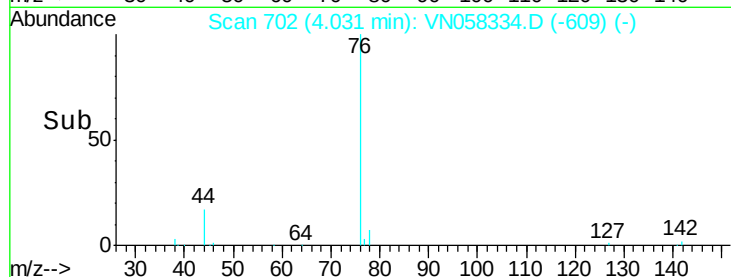
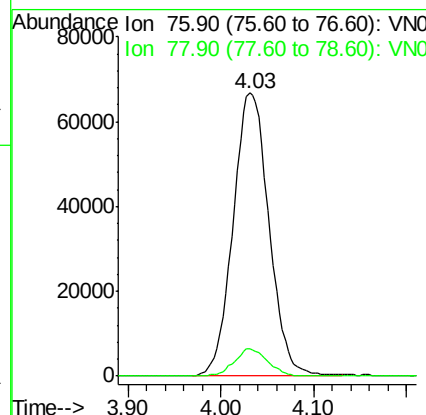
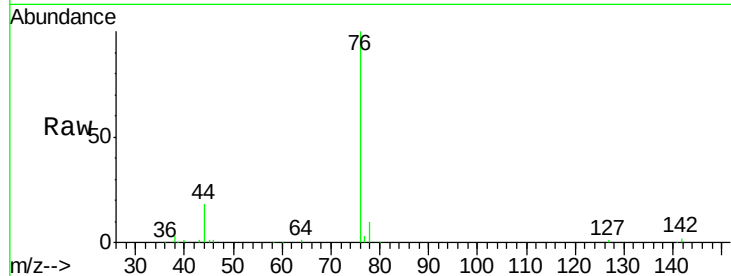
#17
Carbon Disulfide
Concen: 44.503 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.6	7.7	11.5	

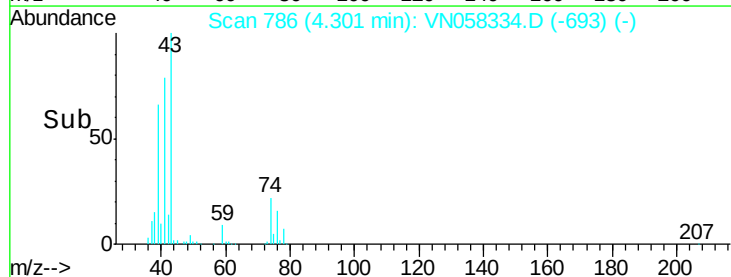
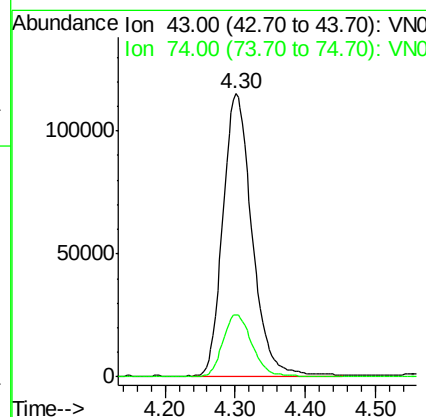
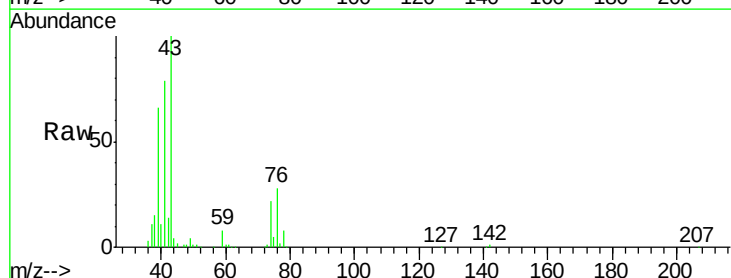
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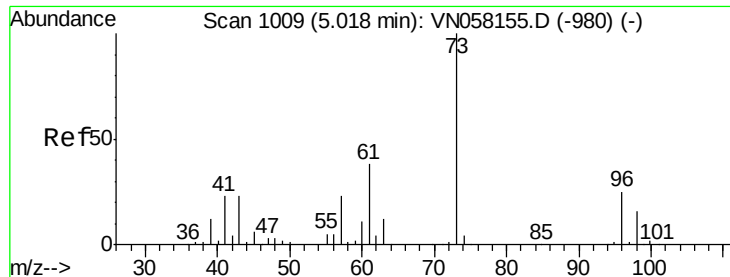
MMDadoda
9/25/2019 12:49:58 AM



#18
Methyl Acetate
Concen: 56.814 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	22.3	18.0	27.0	





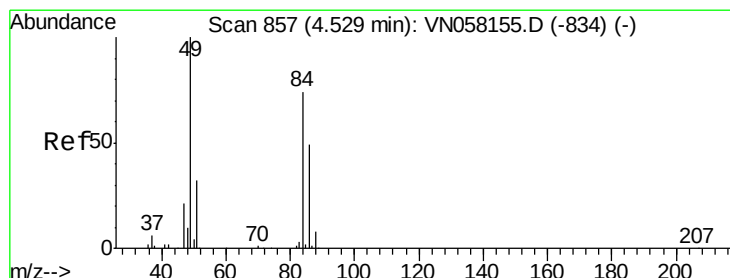
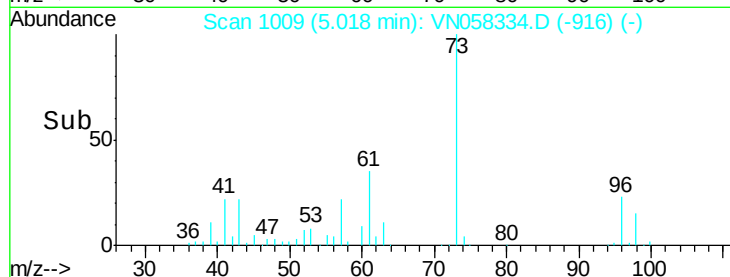
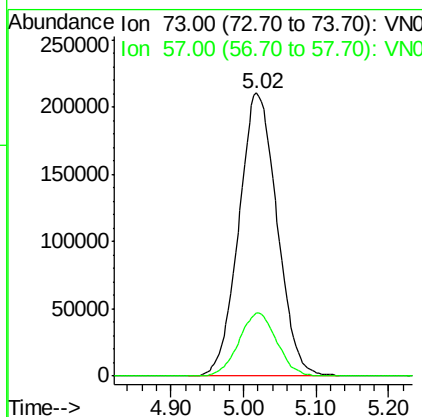
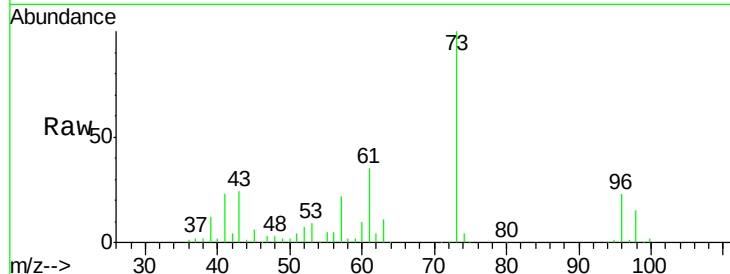
#19
Methvl tert-butvl Ether
Concen: 54.140 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 771362
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1

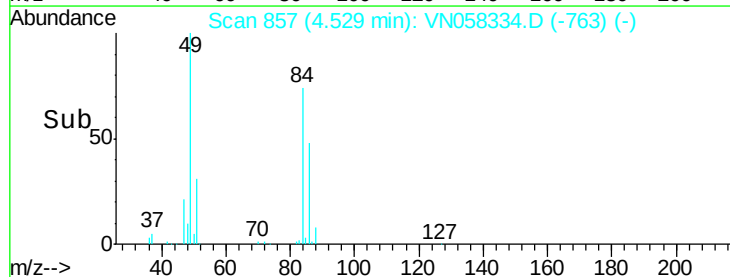
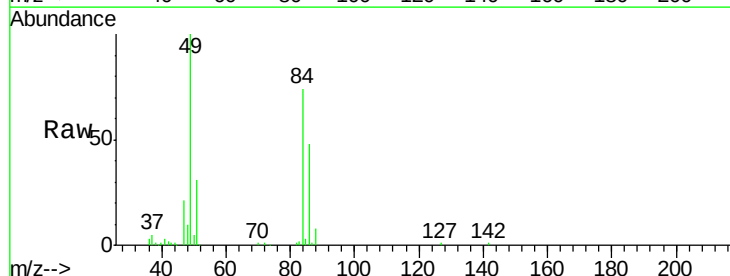
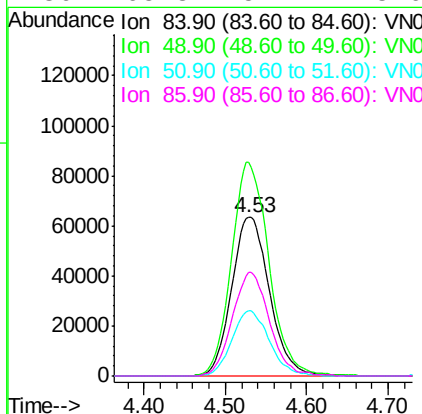
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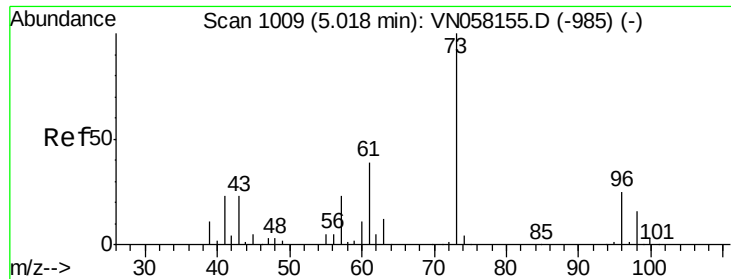
MMDadoda
9/25/2019 12:49:58 AM



#20
Methylene Chloride
Concen: 52.995 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion: 84 Resp: 204915
Ion Ratio Lower Upper
84 100
49 134.9 107.5 161.3
51 41.2 33.9 50.9
86 65.3 52.4 78.6





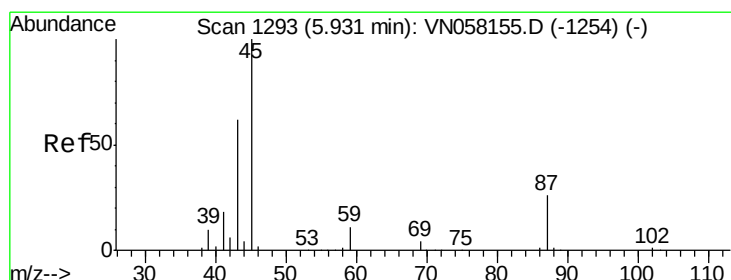
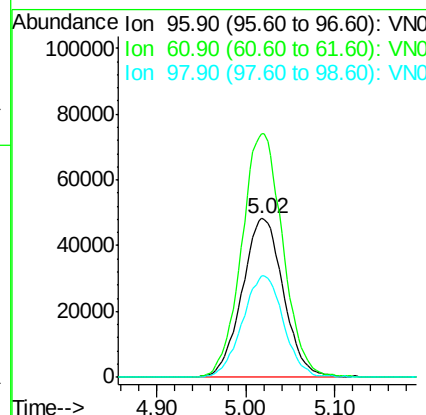
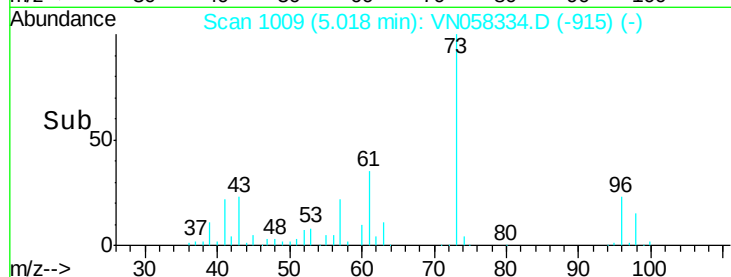
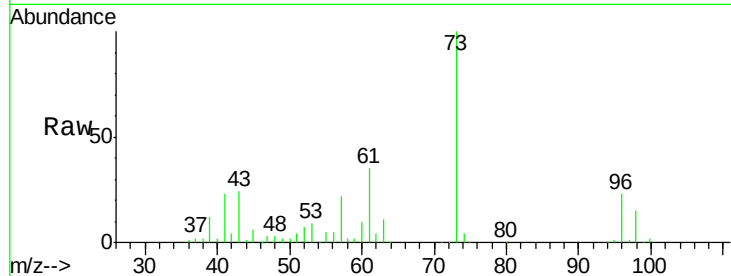
#21
trans-1,2-Dichloroethene
Concen: 49.610 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	122.2	183.4
98	63.9	49.9	74.9

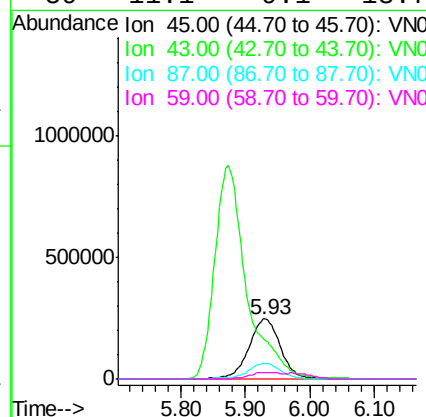
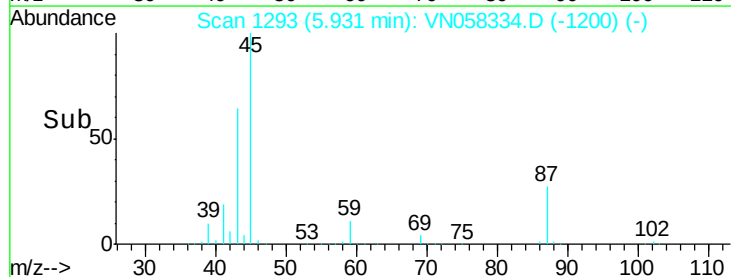
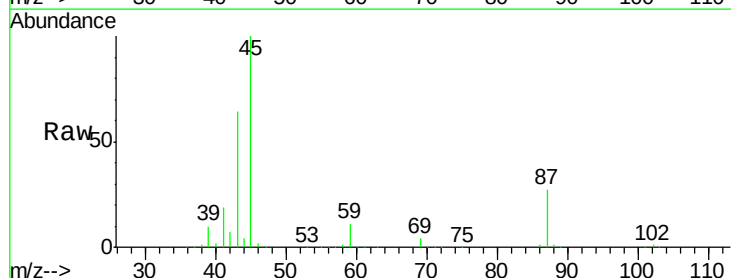
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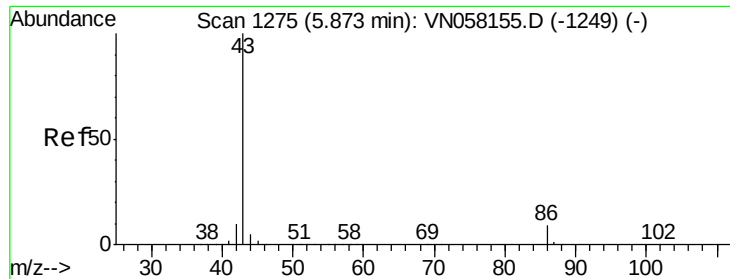
MMDadoda
9/25/2019 12:49:58 AM



#22
Diisopropyl ether
Concen: 53.582 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	49.7	74.5
87	26.4	20.7	31.1
59	11.1	9.1	13.7





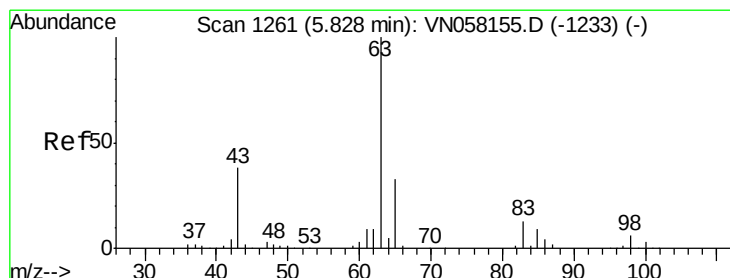
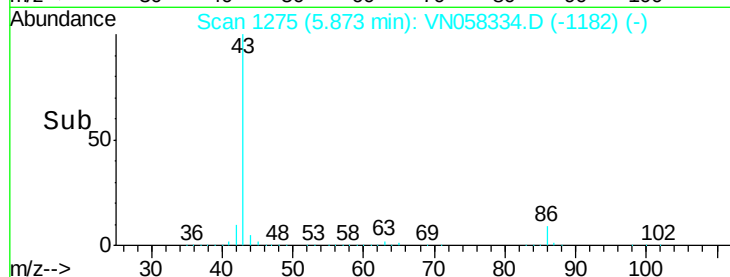
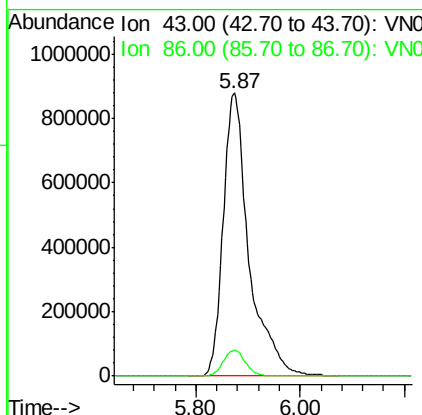
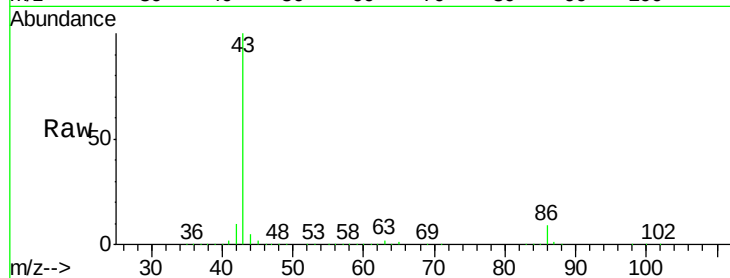
#23
 Vinyl Acetate
 Concen: 281.623 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3025719
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2

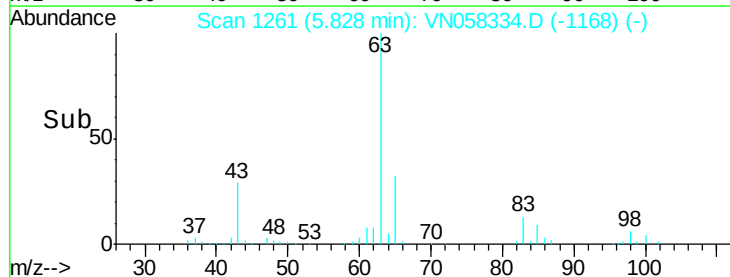
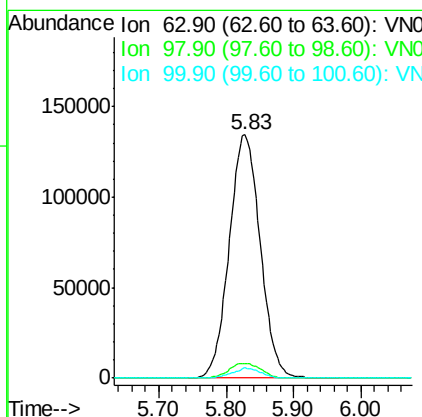
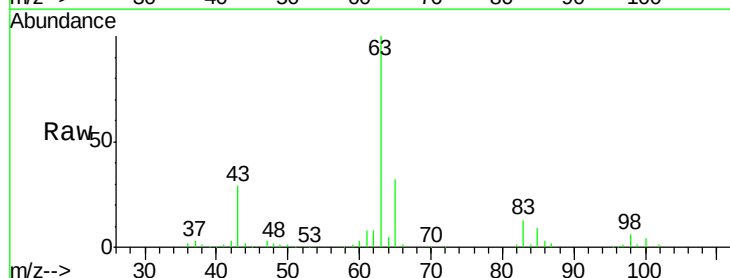
Manual Integrations
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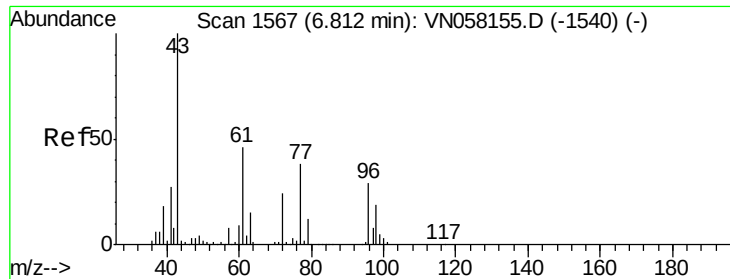
MMDadoda
 9/25/2019 12:49:58 AM



#24
 1,1-Dichloroethane
 Concen: 51.284 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion: 63 Resp: 429770
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 4.3 1.8 5.3





#25

2-Butanone

Concen: 273.287 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 822490

Ion Ratio Lower Upper

43 100

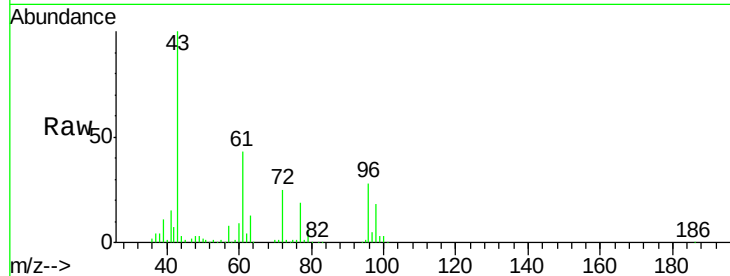
72 24.9 19.5 29.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

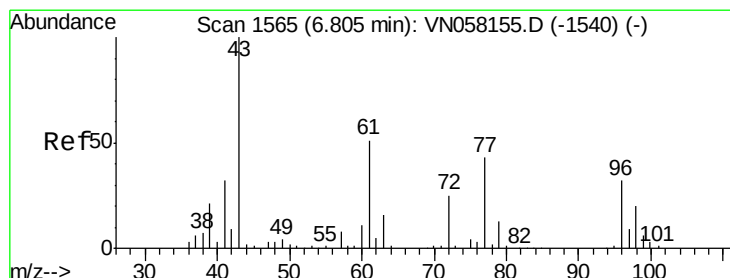
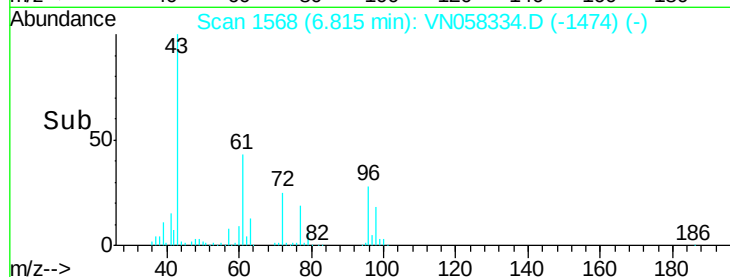
300000

200000

100000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 27.564 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058334.D

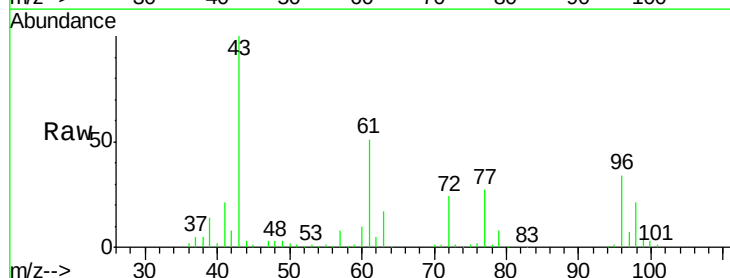
Acq: 24 Sep 2019 8:30

Tgt Ion: 77 Resp: 195969

Ion Ratio Lower Upper

77 100

97 24.4 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

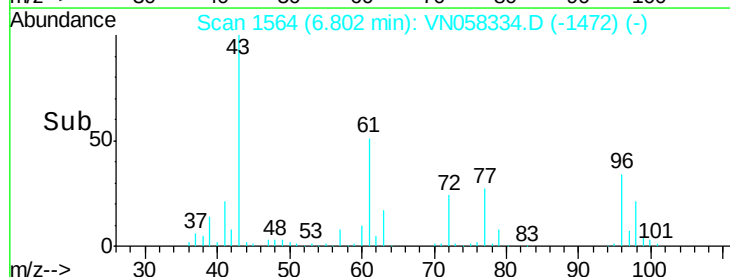
60000

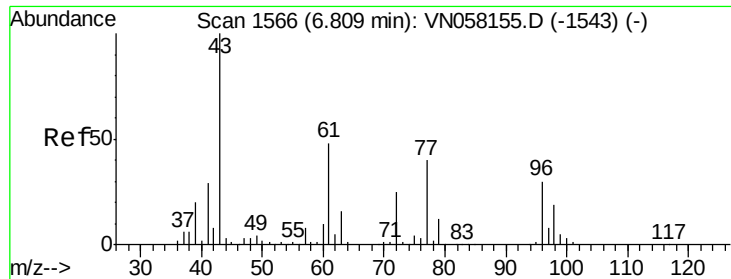
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 51.122 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

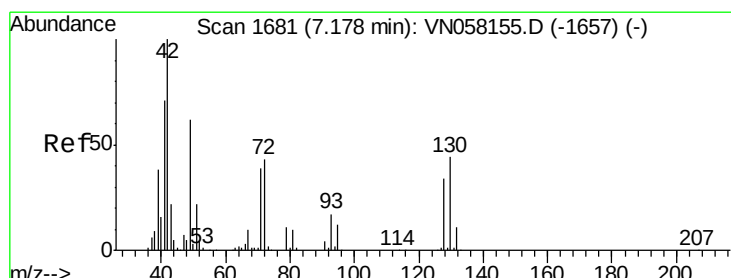
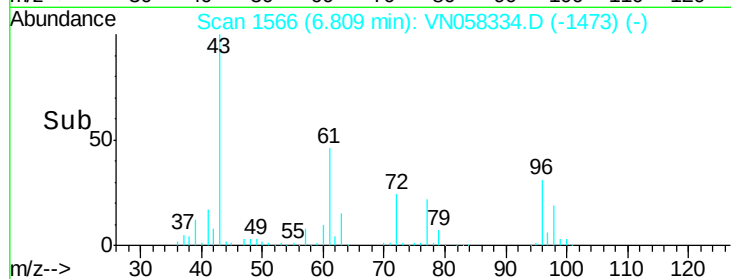
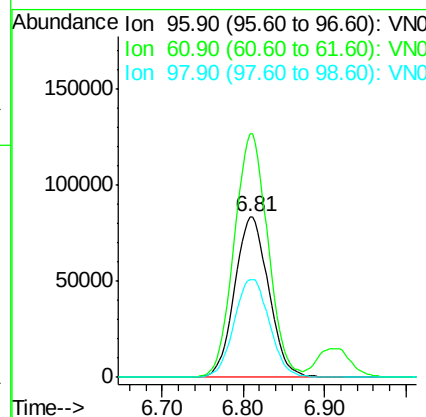
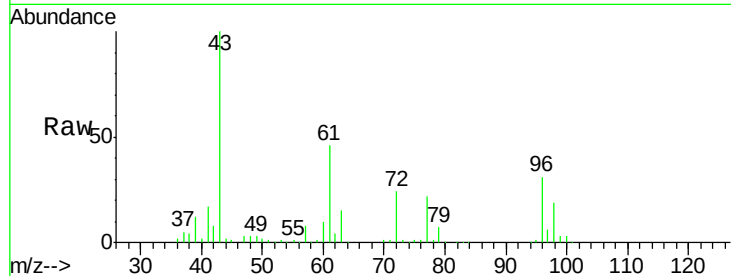
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	242239
Ion	Ratio	Lower	Upper
96	100		
61	150.7	0.0	319.0
98	63.4	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 55.546 ug/l

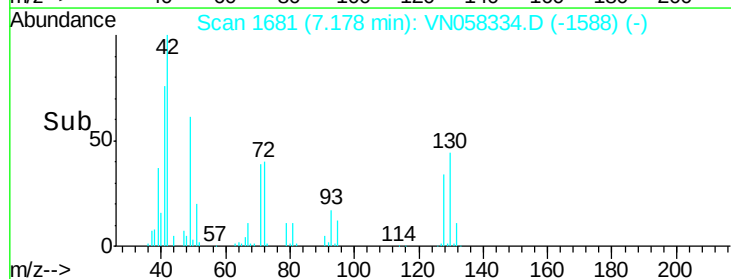
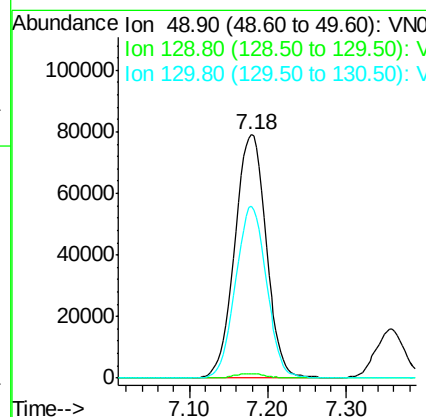
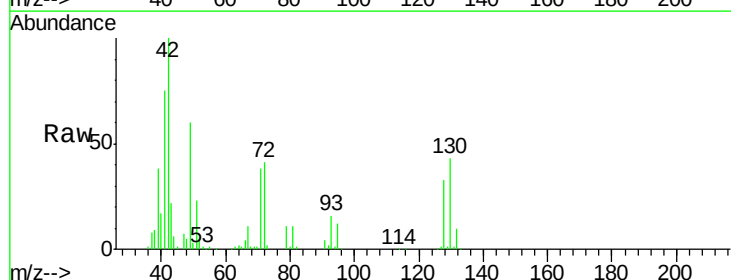
RT: 7.18 min Scan# 1681

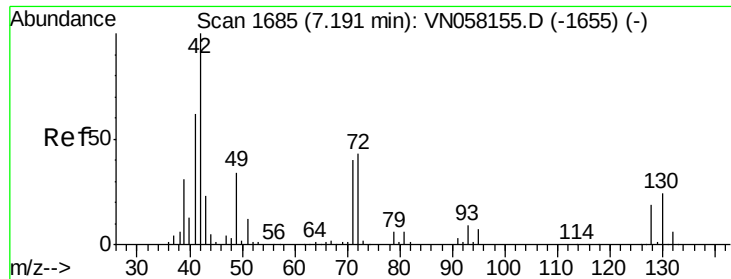
Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:	49	Resp:	220204
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.8#
130	69.4	55.4	83.2





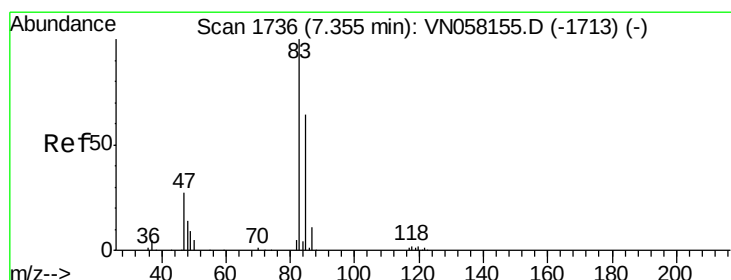
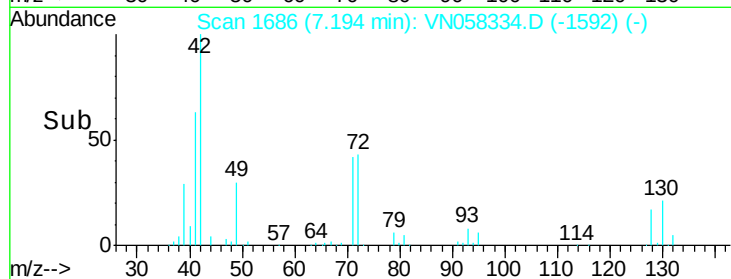
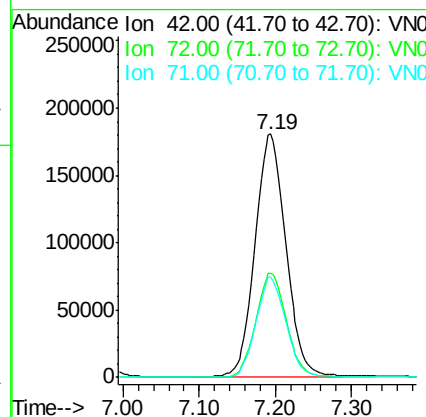
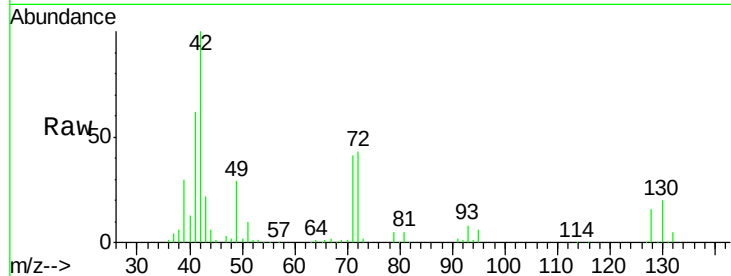
#29
Tetrahydrofuran
Concen: 275.540 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.8	50.6
71	40.2	31.4	47.0

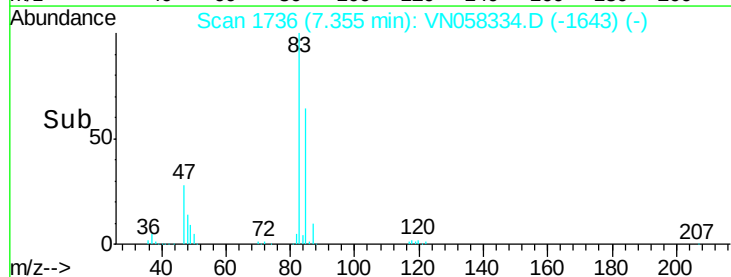
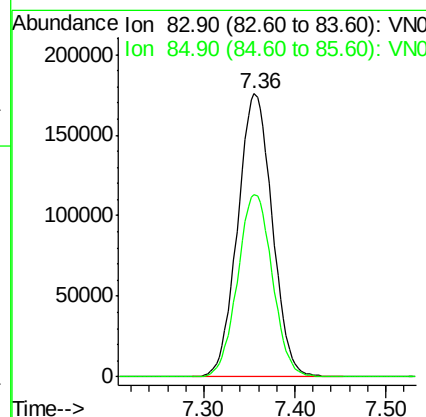
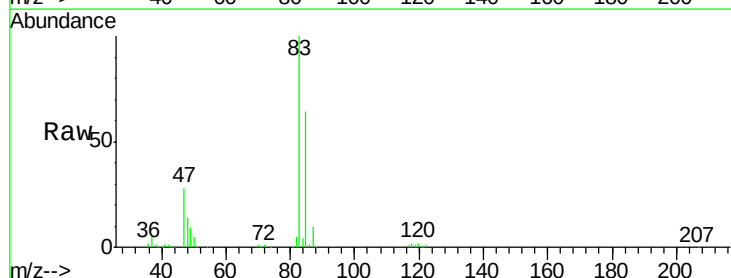
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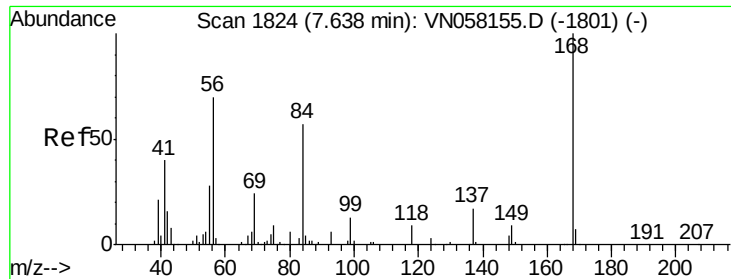
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#30
Chloroform
Concen: 51.420 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2





#31

Cyclohexane

Concen: 47.467 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

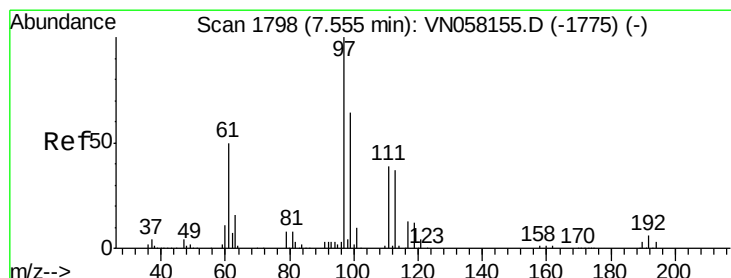
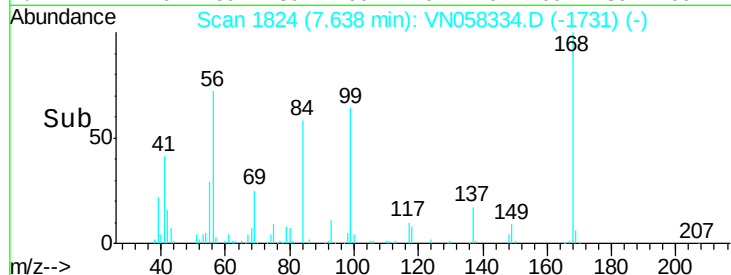
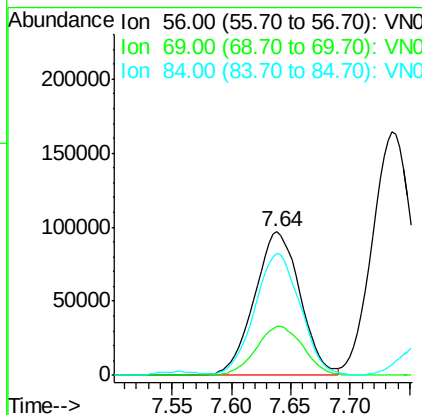
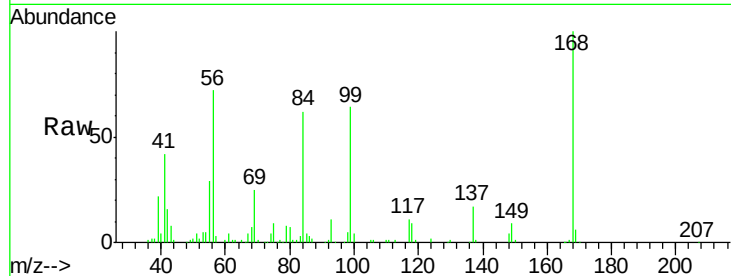
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	257788
Ion Ratio	Lower	Upper	
56	100		
69	34.0	27.3	40.9
84	82.9	65.0	97.4

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#32

1,1,1-Trichloroethane

Concen: 52.353 ug/l

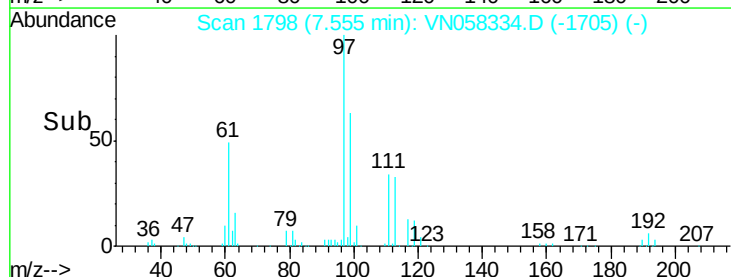
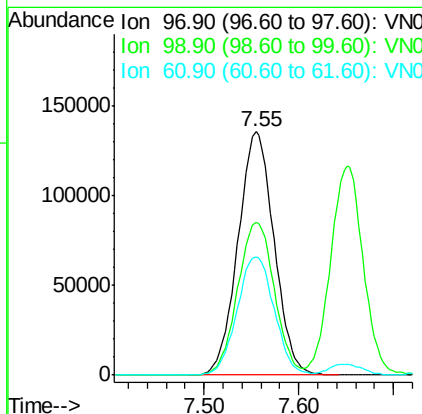
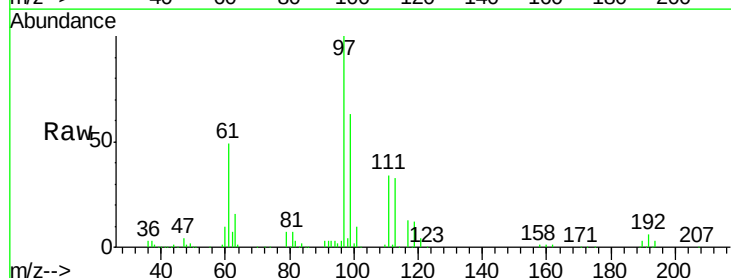
RT: 7.55 min Scan# 1798

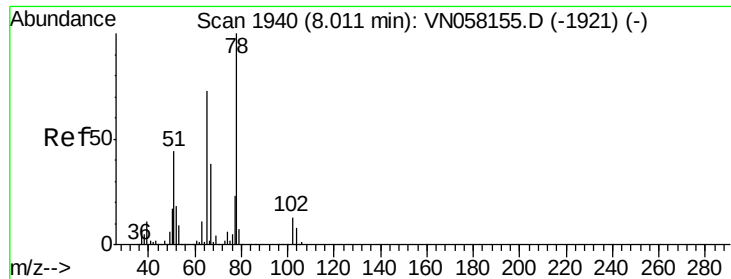
Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:	97	Resp:	359516
Ion Ratio	Lower	Upper	
97	100		
99	63.8	50.9	76.3
61	50.0	39.2	58.8





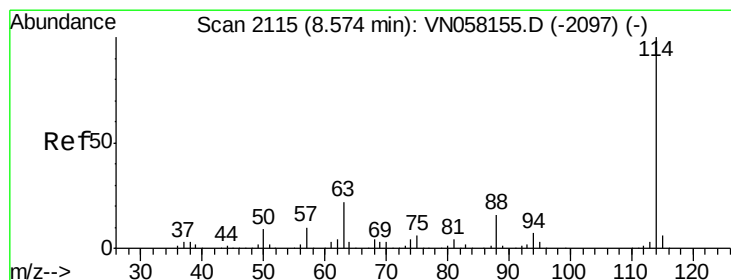
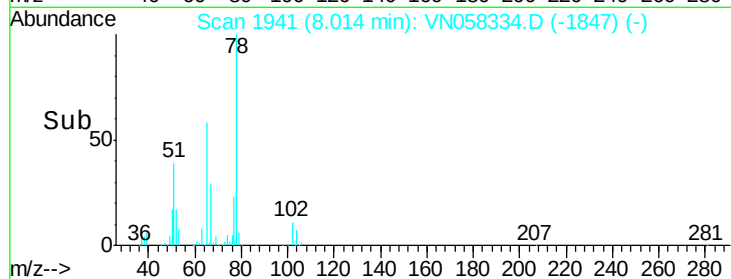
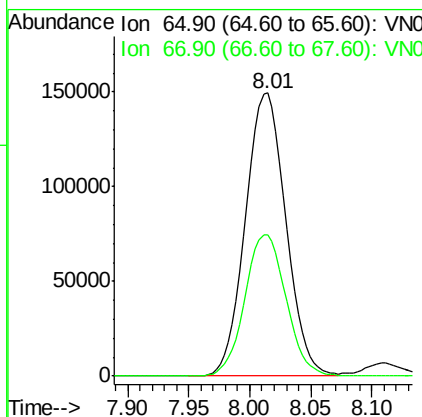
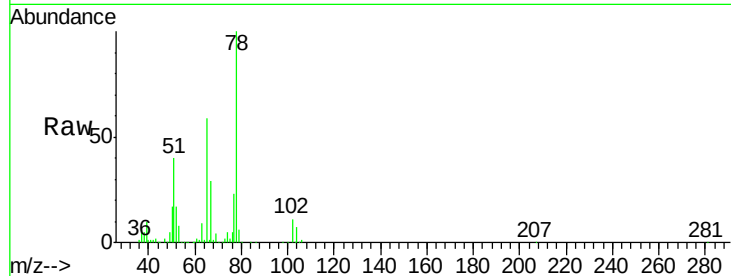
#33
 1,2-Dichloroethane-d4
 Concen: 52.749 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.4

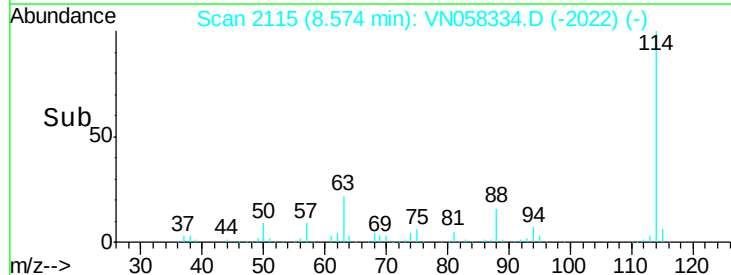
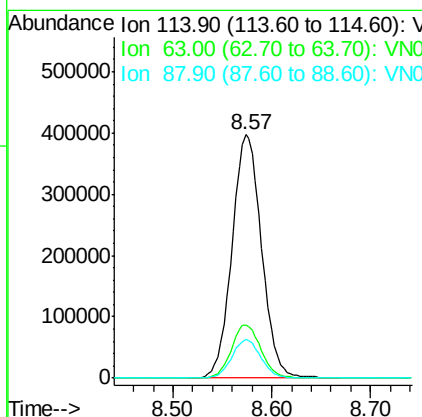
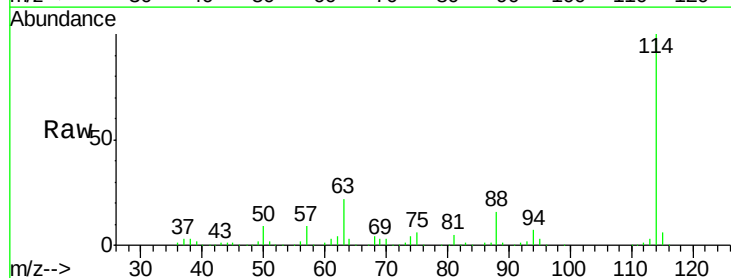
Manual Integrations
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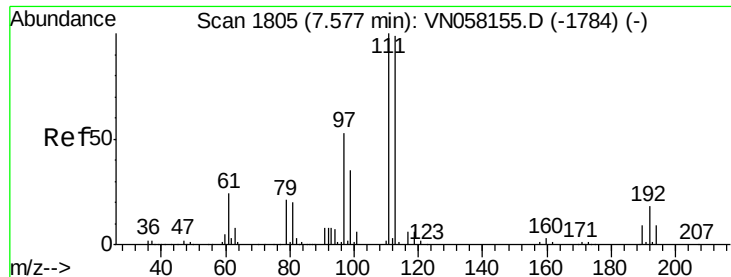
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.2
88	15.8	0.0	31.6





#35

Dibromofluoromethane

Concen: 49.821 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

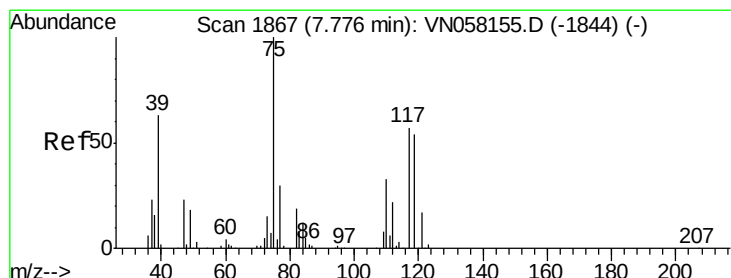
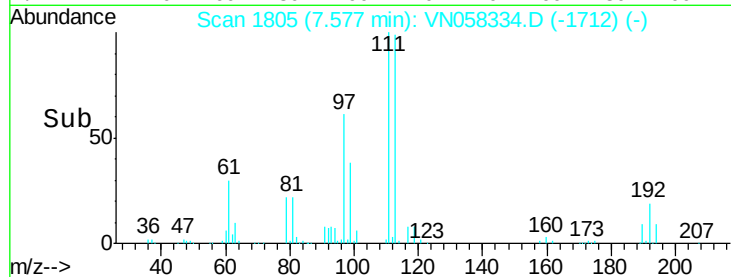
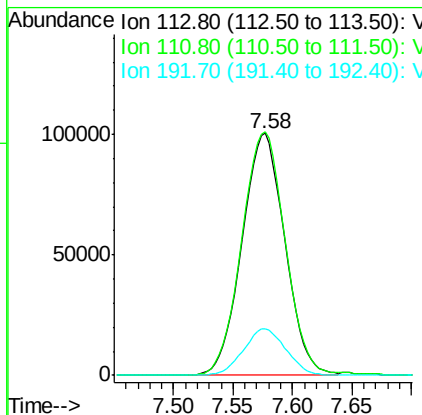
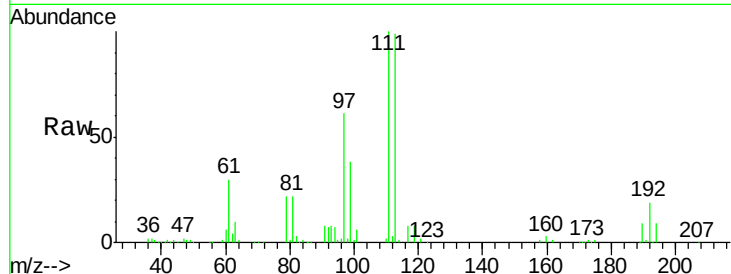
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	250410
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.8	122.6
192	19.2	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 43.967 ug/l

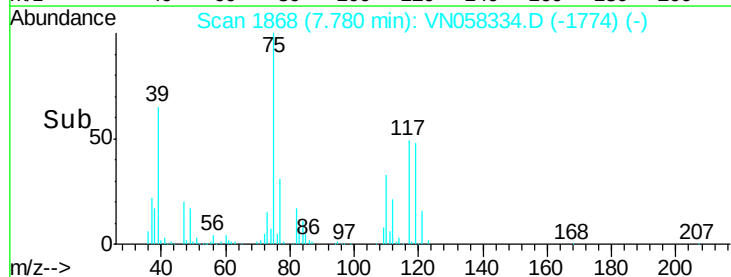
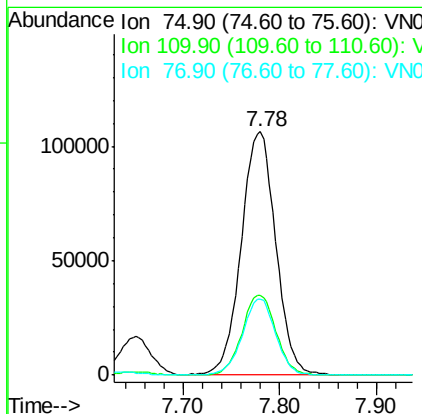
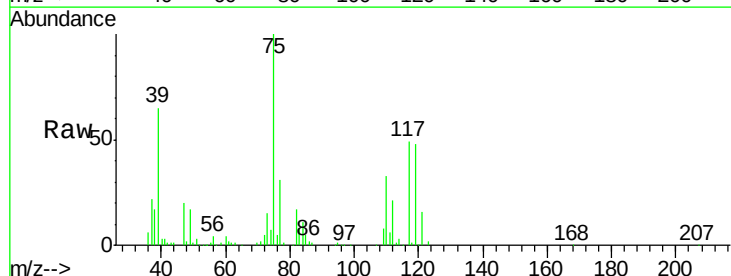
RT: 7.78 min Scan# 1868

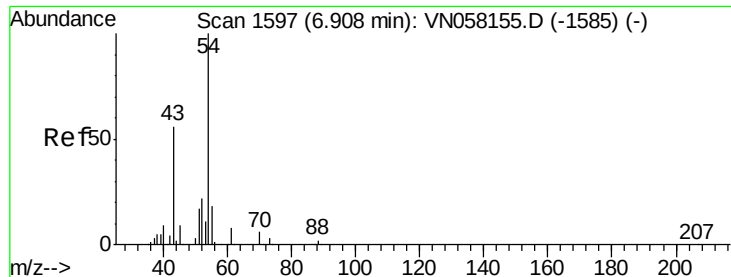
Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:	75	Resp:	262147
Ion Ratio	Lower	Upper	
75	100		
110	32.5	16.6	49.7
77	30.2	24.3	36.5





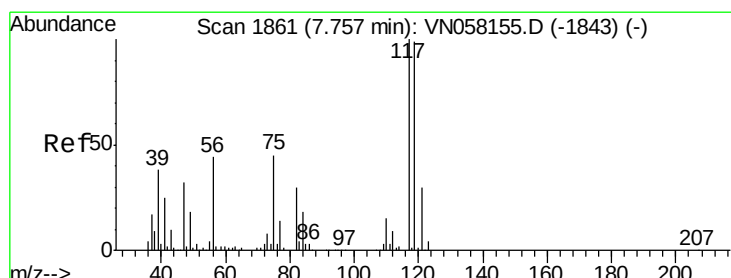
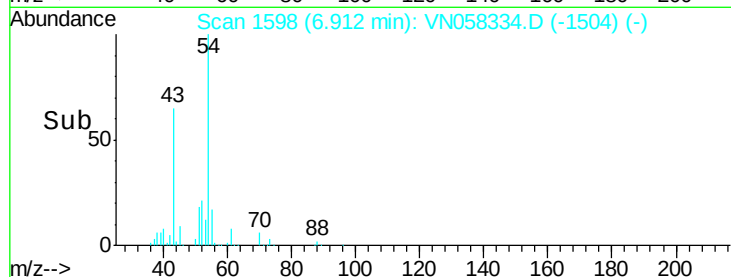
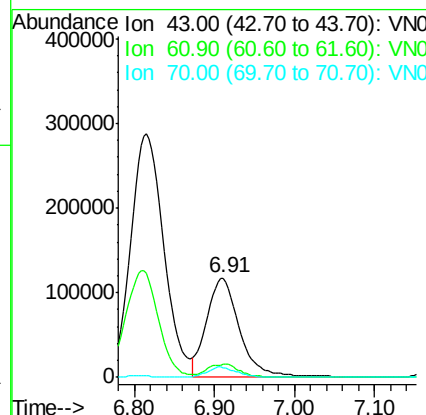
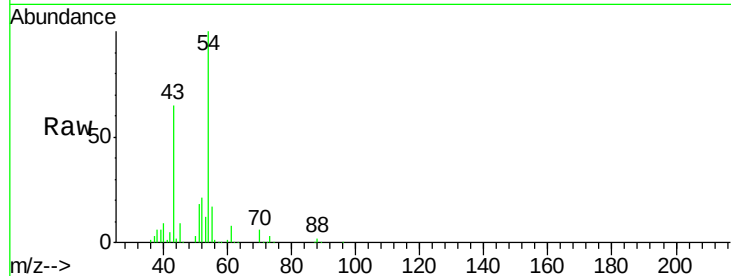
#37
Ethyl Acetate
Concen: 53.204 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	329209
Ion Ratio	Lower	Upper	
43	100		
61	13.1	10.7	16.1
70	9.7	7.6	11.4

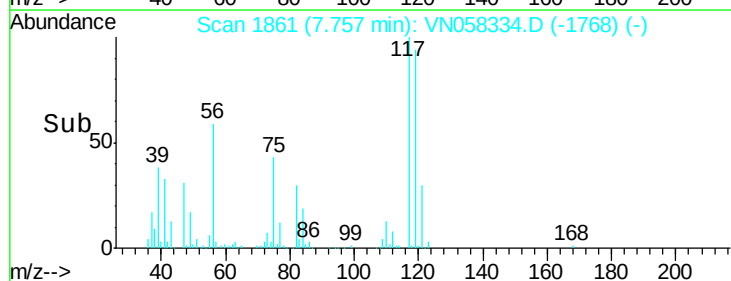
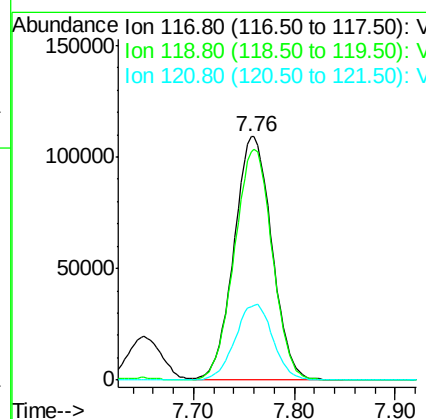
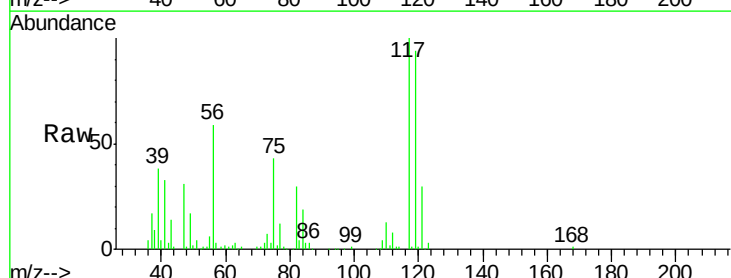
Manual Integrations
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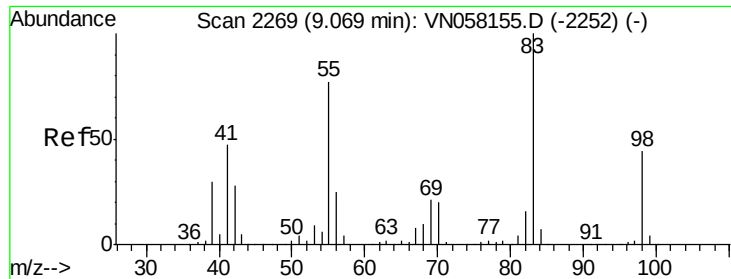
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#38
Carbon Tetrachloride
Concen: 47.261 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	117	Resp	283261
Ion Ratio	Lower	Upper	
117	100		
119	94.2	78.6	117.8
121	30.2	24.1	36.1





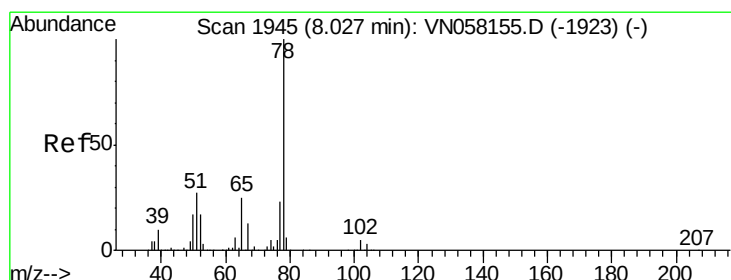
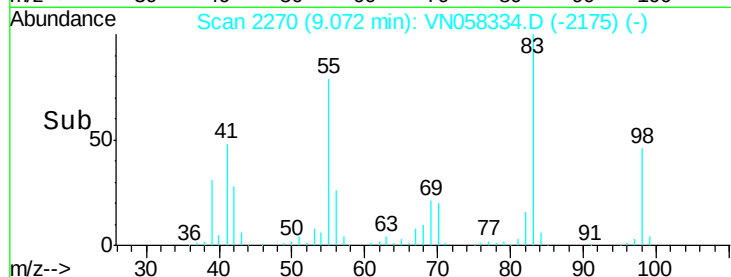
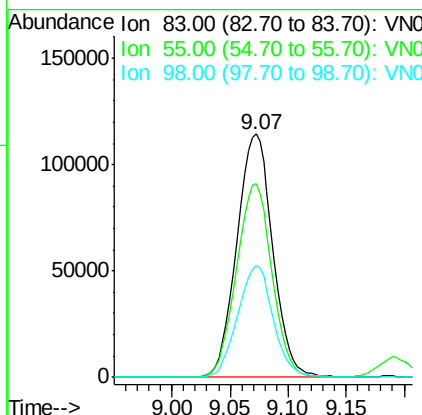
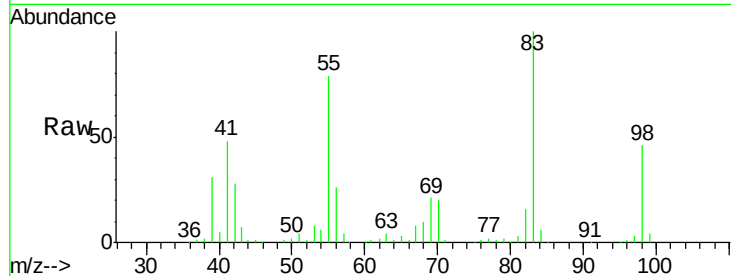
#39
Methylvlcyclohexane
Concen: 42.733 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	246290		
55	79.3		61.9	92.9
98	45.9		35.4	53.2

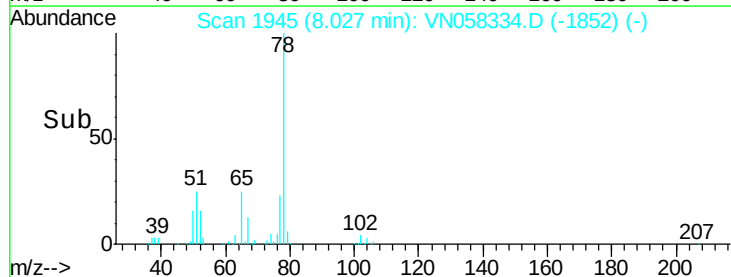
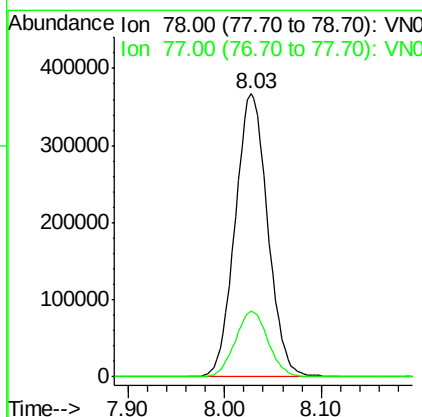
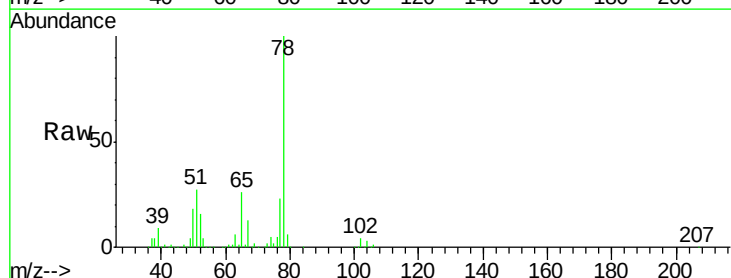
Manual Integrations
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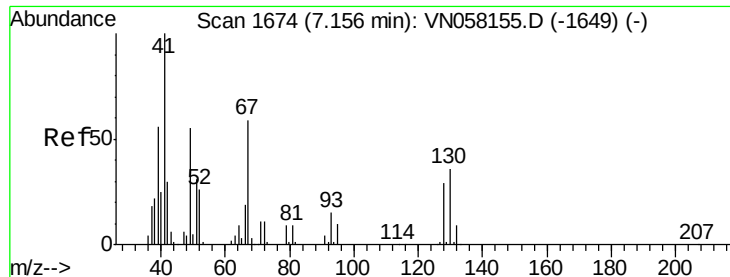
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#40
Benzene
Concen: 47.135 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	858391		
77	23.2		18.8	28.2





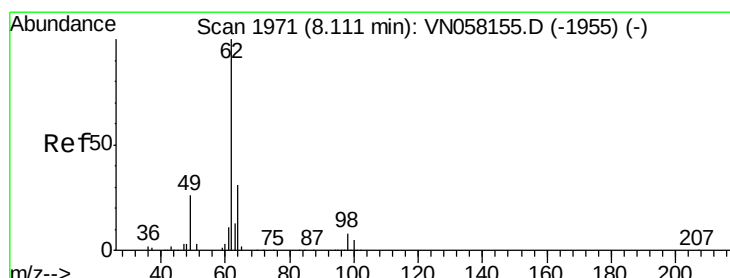
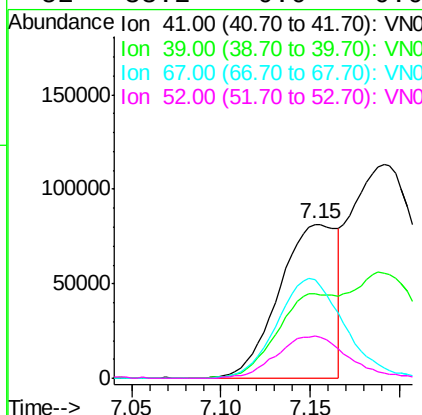
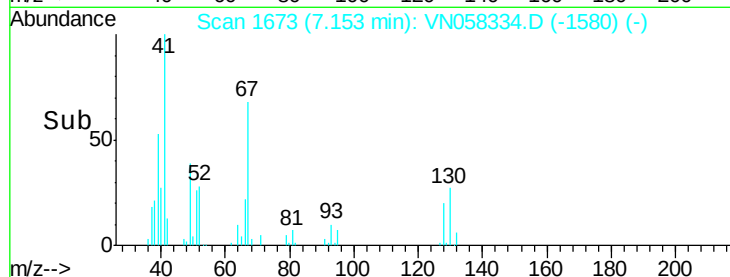
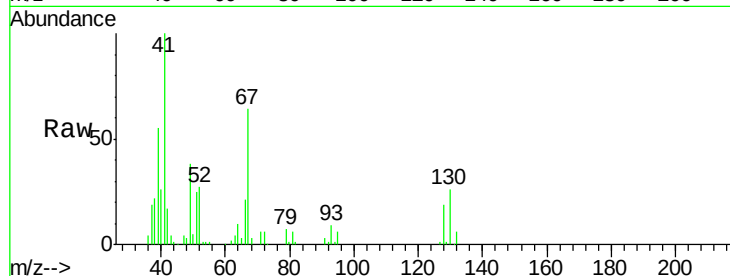
#41
Methacrylonitrile
Concen: 58.825 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		183879		
39	55.5	0.0	0.0#		
67	75.8	0.0	0.0#		
52	33.2	0.0	0.0#		

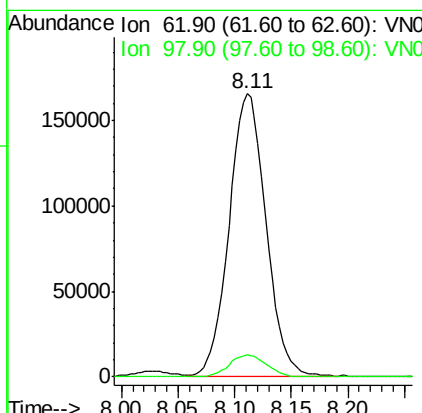
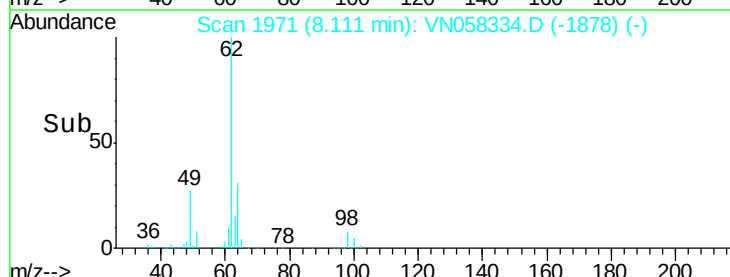
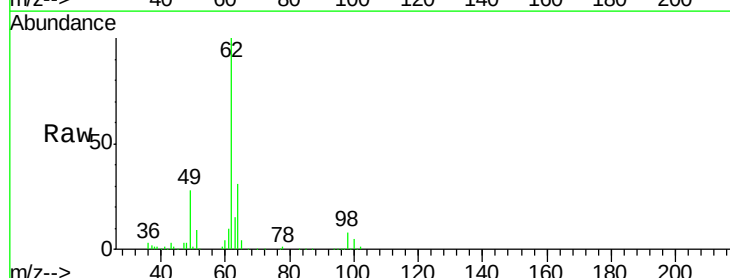
Manual Integrations
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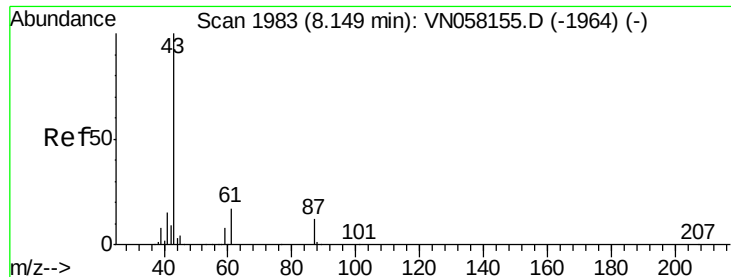
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.982 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		374299		
98	7.9	0.0	15.6		





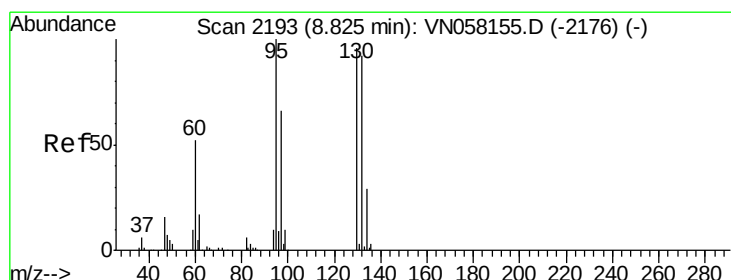
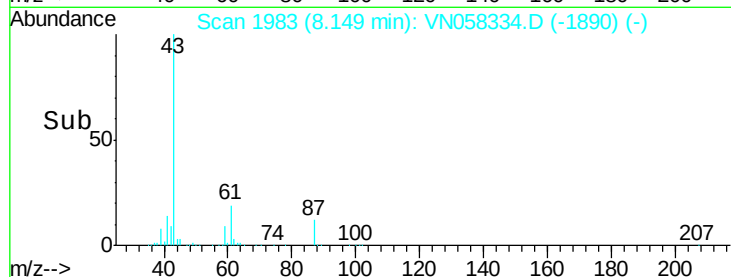
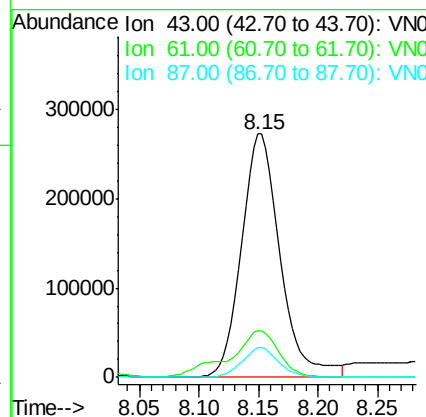
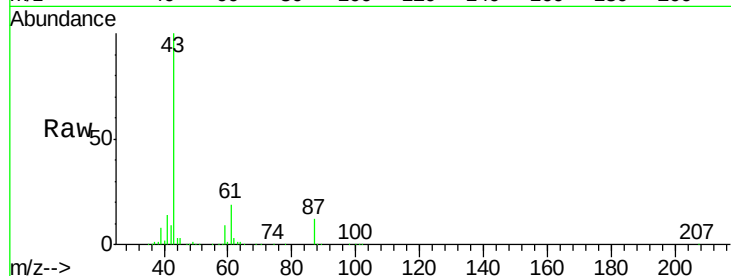
#43
Isopropyl Acetate
Concen: 52.991 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.2	19.7	29.5
87	11.5	9.4	14.2

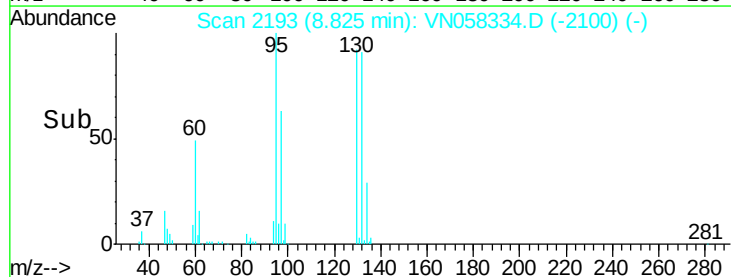
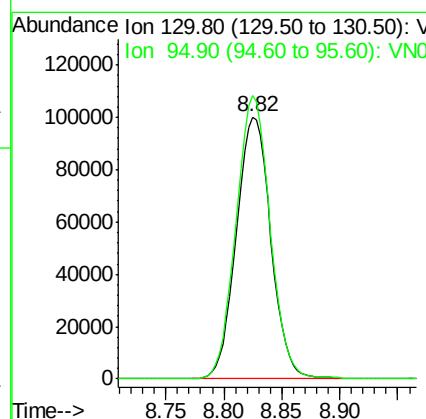
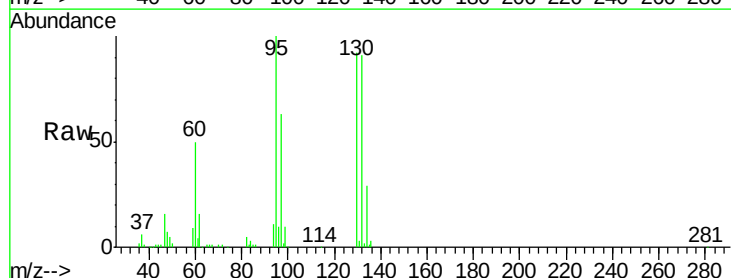
Manual Integrations
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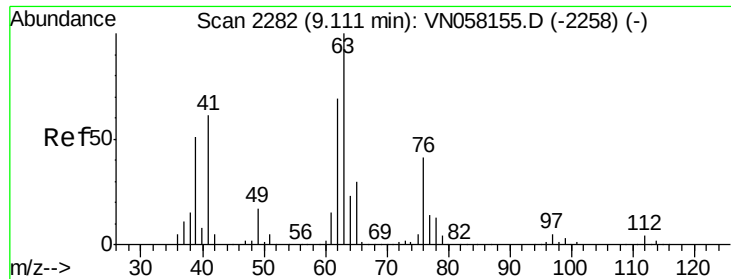
MMDadoda
9/25/2019 12:49:58 AM



#44
Trichloroethene
Concen: 46.395 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	207.8





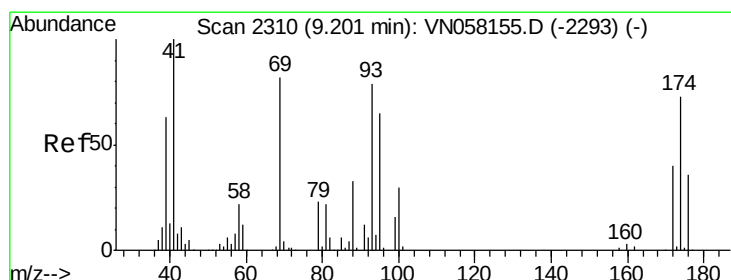
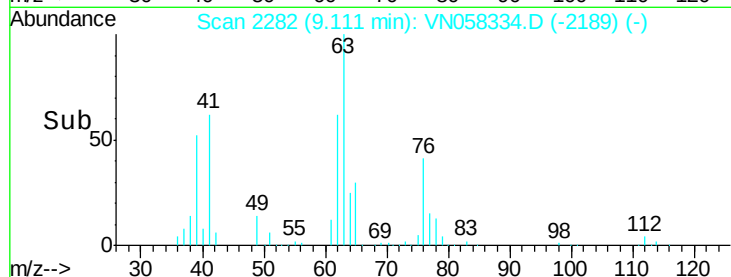
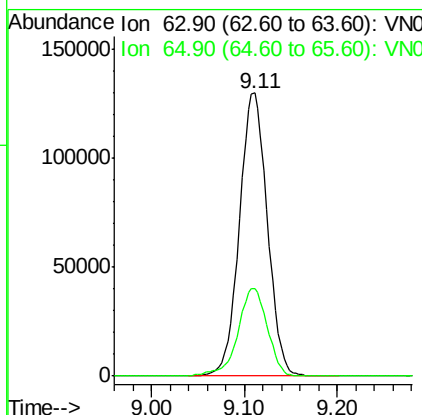
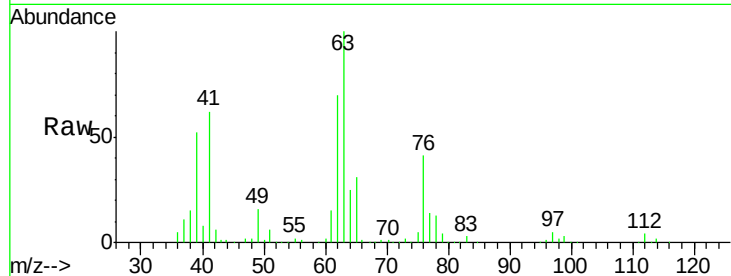
#45
 1,2-Dichloropropane
 Concen: 49.928 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	271536		
65	31.1		23.8	35.6

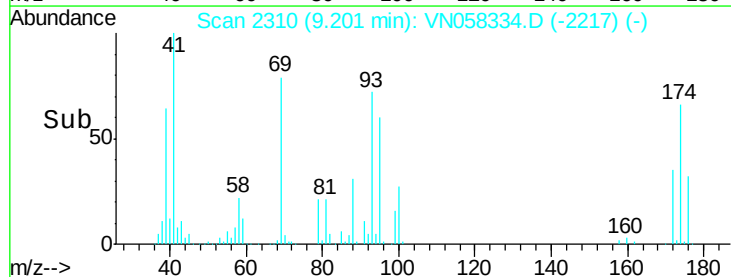
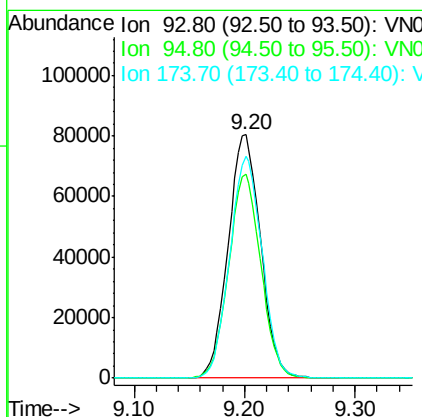
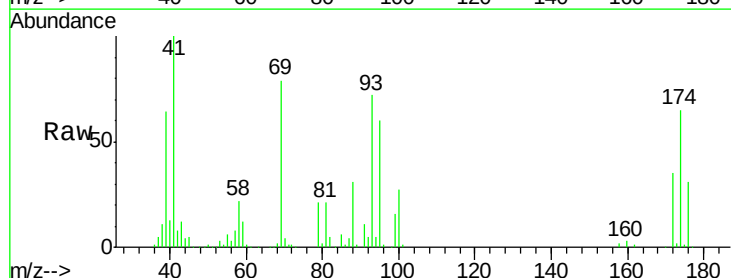
Manual Integrations
 APPROVED

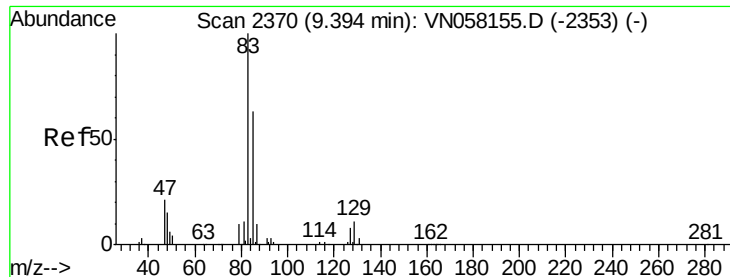
MMDadoda
 9/25/2019 12:49:58 AM



#46
 Dibromomethane
 Concen: 49.700 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	164335		
95	83.1		66.8	100.2
174	91.0		73.8	110.8





#47

Bromodichloromethane

Concen: 52.308 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

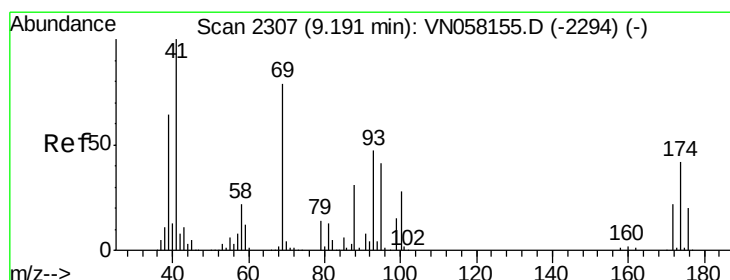
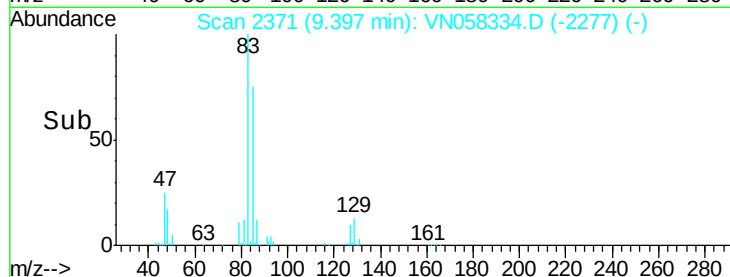
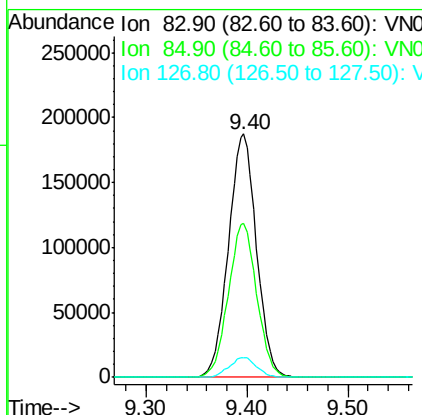
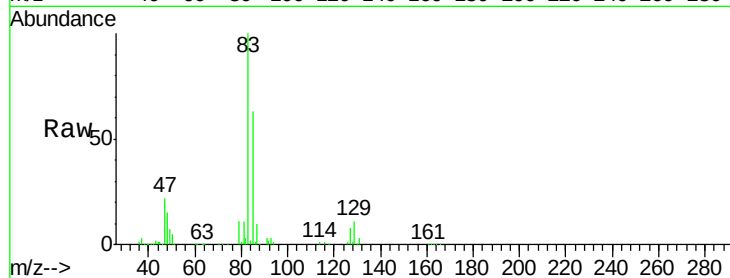
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	362342
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.1	75.1
127	8.3	6.4	9.6

Manual Integrations
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MMDadoda
9/25/2019 12:49:58 AM



#48

Methyl methacrylate

Concen: 53.931 ug/l

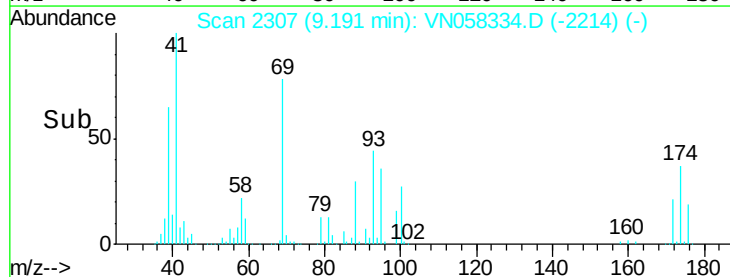
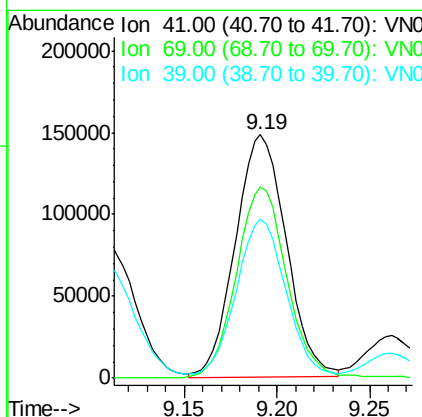
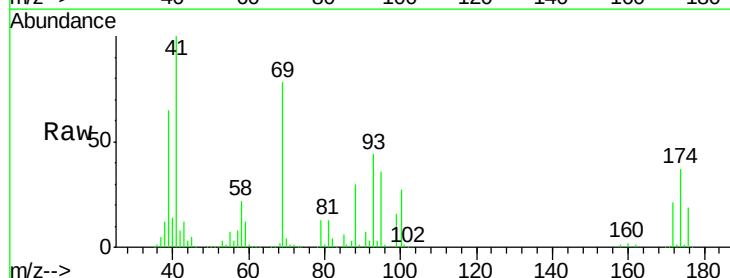
RT: 9.19 min Scan# 2307

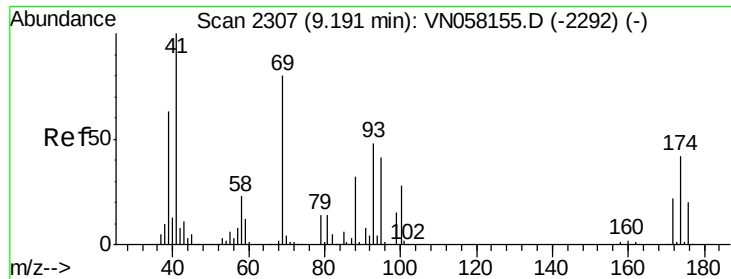
Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:	41	Resp:	282975
Ion Ratio	Lower	Upper	
41	100		
69	78.4	62.5	93.7
39	64.3	52.3	78.5





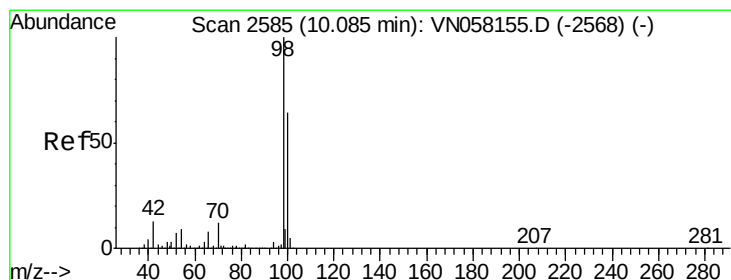
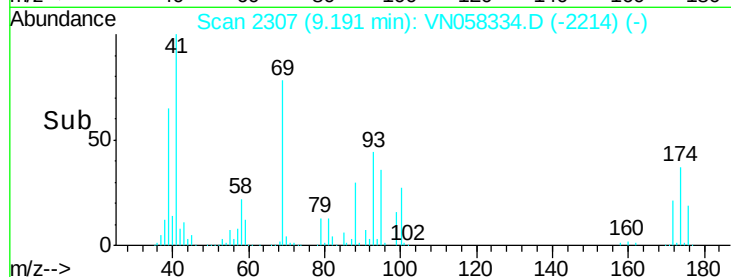
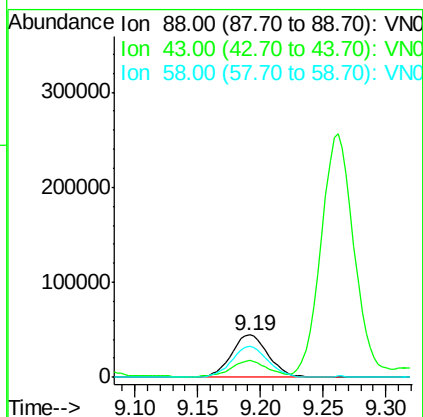
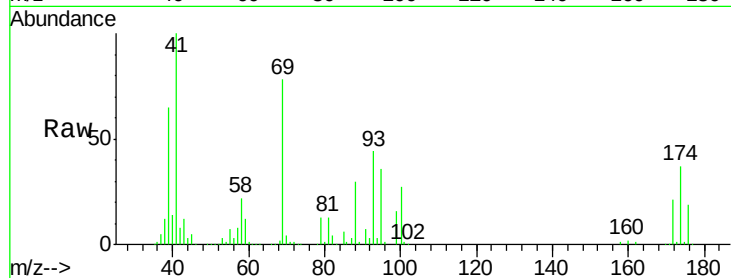
#49
 1,4-Dioxane
 Concen: 1068.737 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	35.6	27.8	41.8	
58	71.0	55.0	82.4	

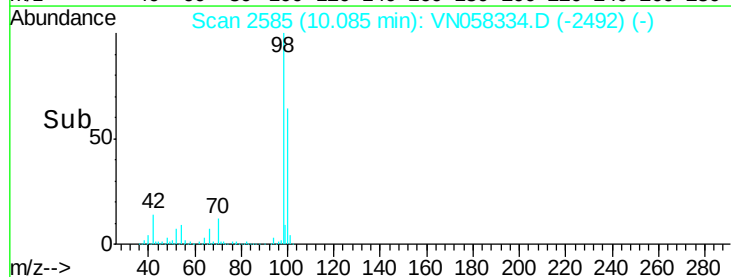
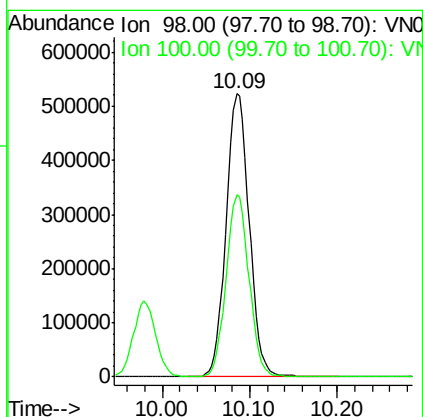
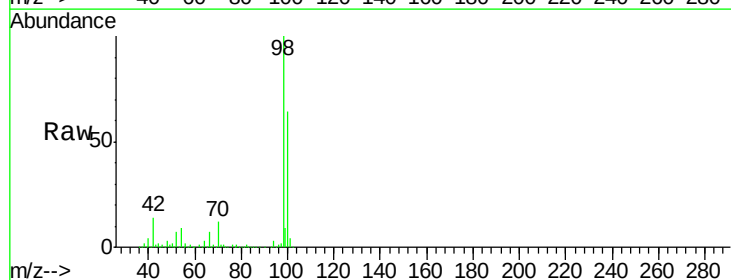
Manual Integrations
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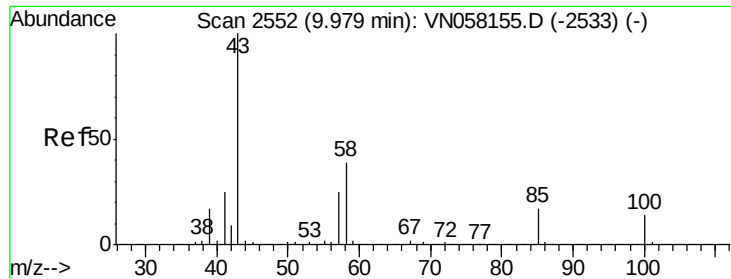
MMDadoda
 9/25/2019 12:49:58 AM



#50
 Toluene-d8
 Concen: 49.119 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.8	51.1	76.7	





#51

4-Methyl-2-Pentanone

Concen: 299.573 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1838813

Ion Ratio Lower Upper

43 100

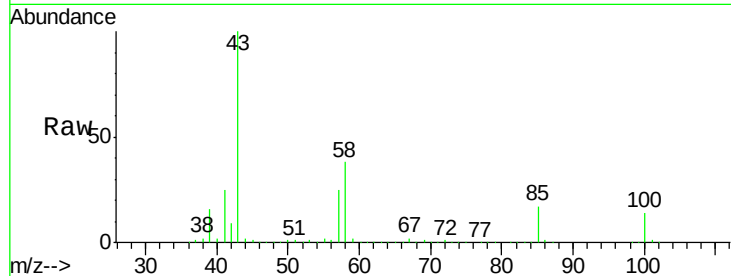
58 37.8 30.2 45.4

Manual Integrations

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9/25/2019 12:49:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1200000

1000000

800000

600000

400000

200000

0

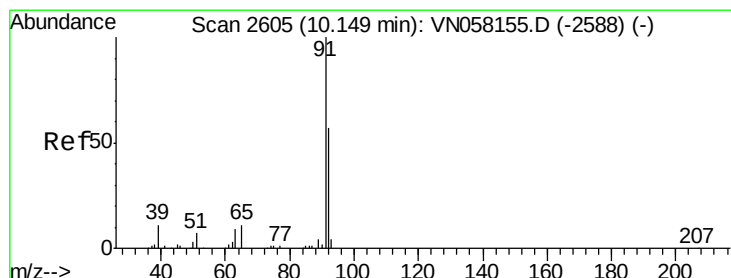
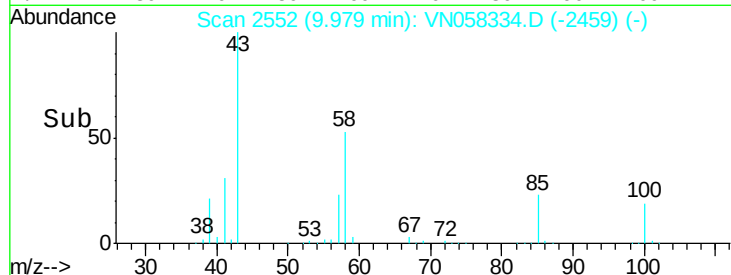
9.90

9.98

10.00

10.10

Time-->



#52

Toluene

Concen: 47.437 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058334.D

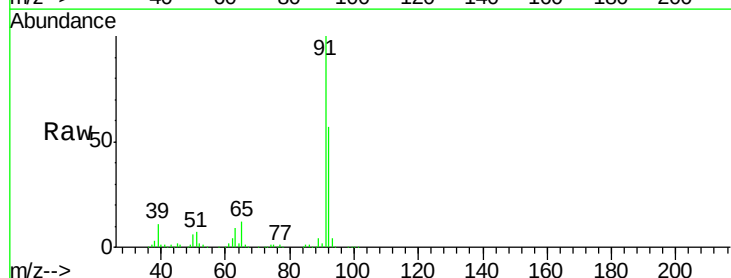
Acq: 24 Sep 2019 8:30

Tgt Ion: 92 Resp: 541406

Ion Ratio Lower Upper

92 100

91 175.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

100000

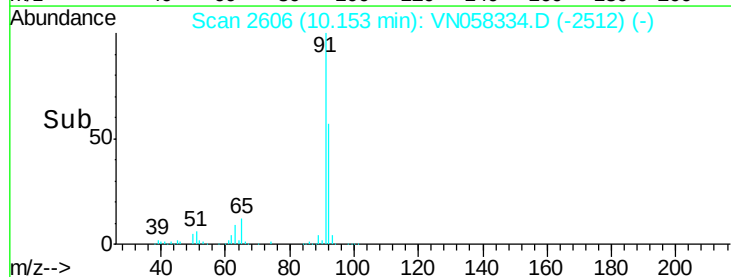
0

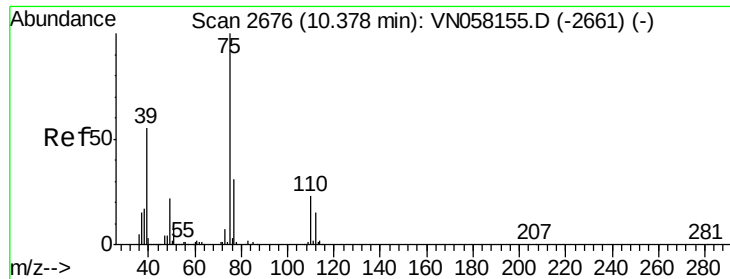
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.808 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 353428

Ion Ratio Lower Upper

75 100

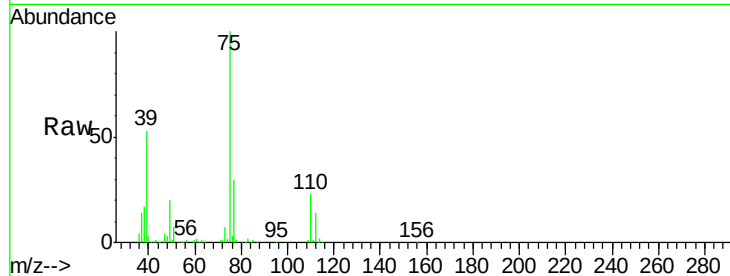
77 30.2 24.9 37.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

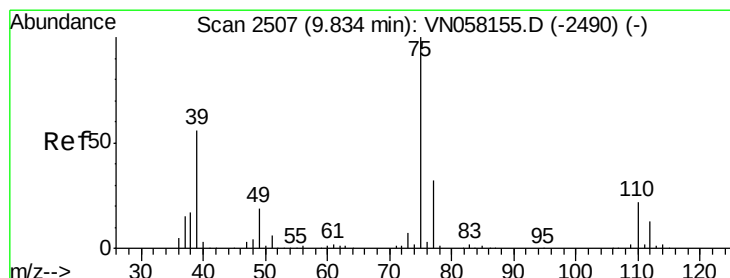
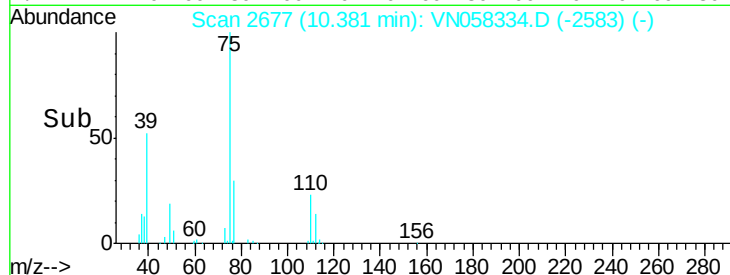
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.260 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

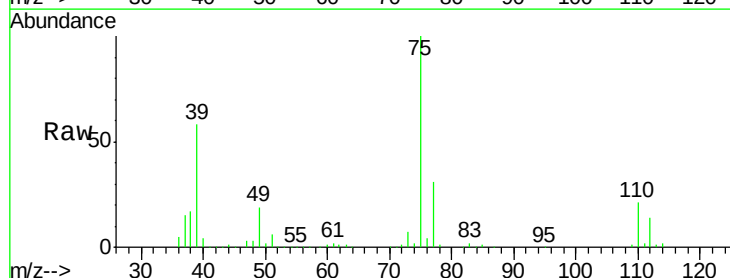
Tgt Ion: 75 Resp: 370250

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 58.3 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

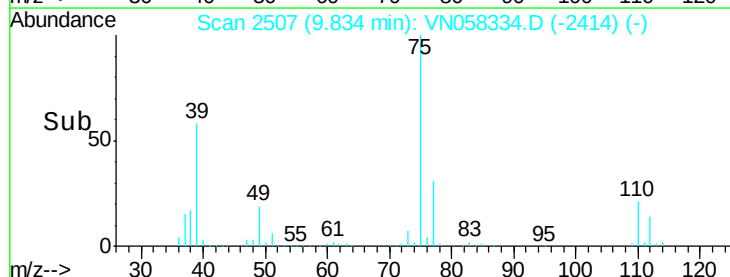
150000

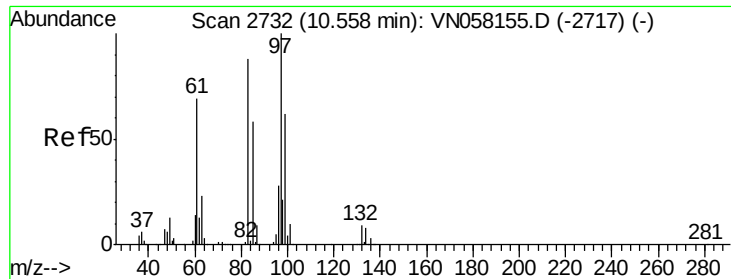
100000

50000

0

Time-->





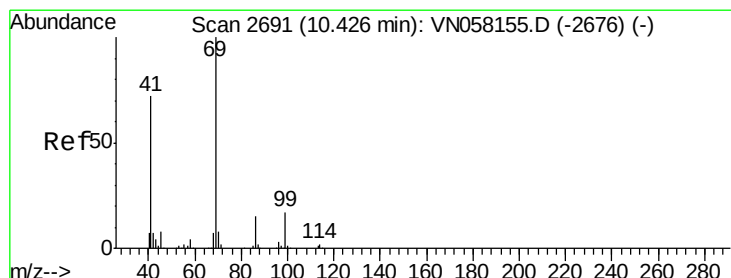
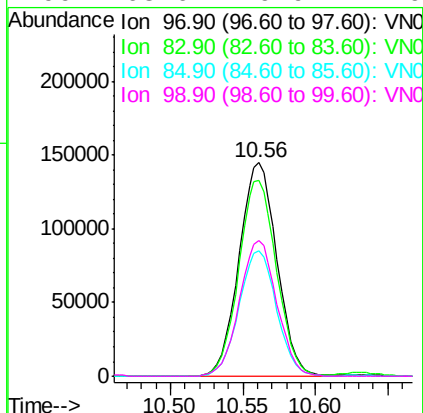
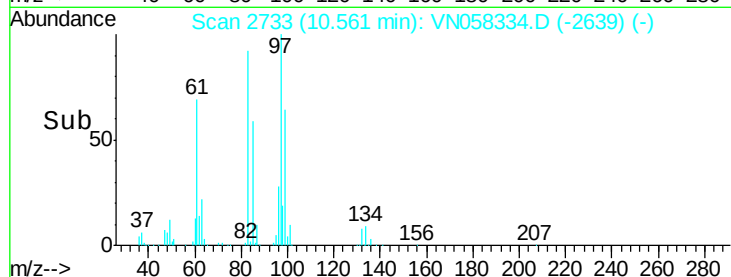
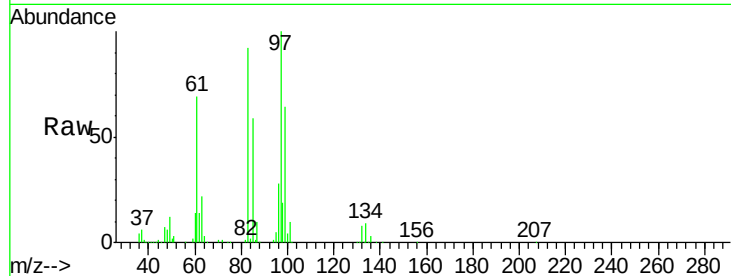
#55
 1,1,2-Trichloroethane
 Concen: 51.971 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	263228
Ion	Ratio	Lower	Upper
97	100		
83	91.8	70.4	105.6
85	58.8	46.8	70.2
99	63.6	49.9	74.9

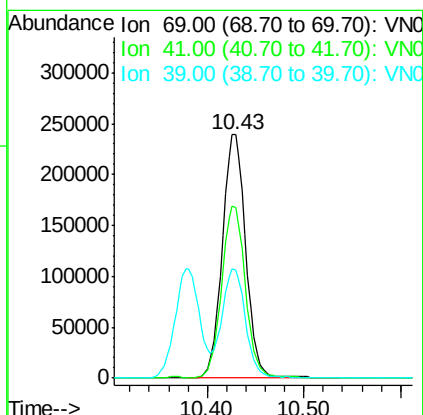
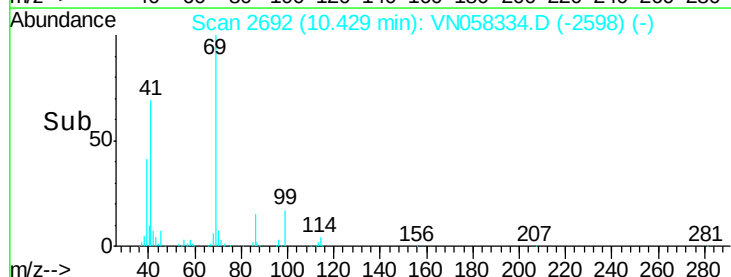
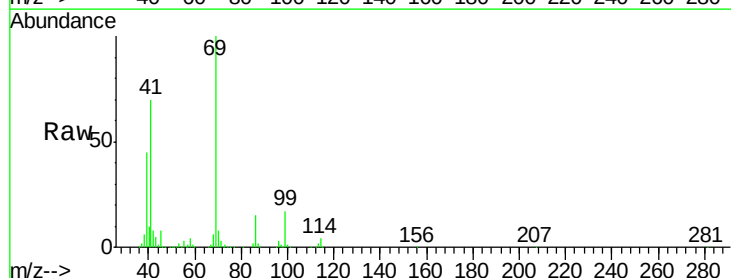
Manual Integrations
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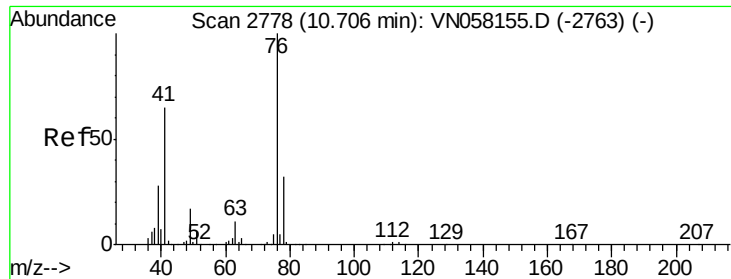
MMDadoda
 9/25/2019 12:49:58 AM



#56
 Ethyl methacrylate
 Concen: 55.019 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion:	69	Resp:	402069
Ion	Ratio	Lower	Upper
69	100		
41	70.7	57.5	86.3
39	45.0	36.1	54.1





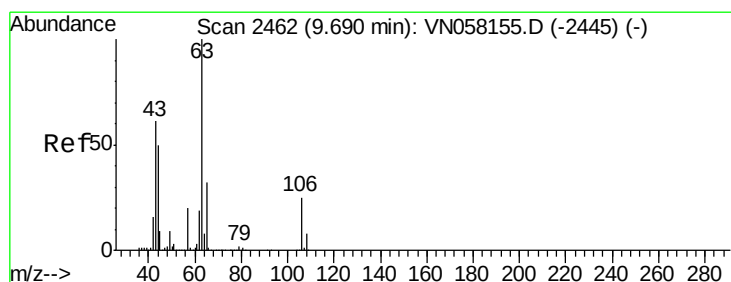
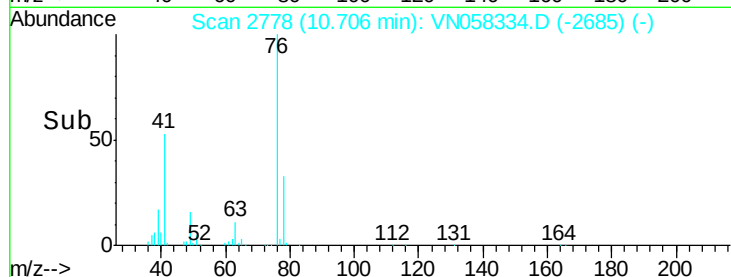
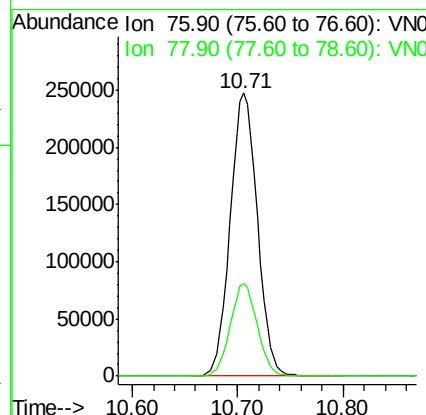
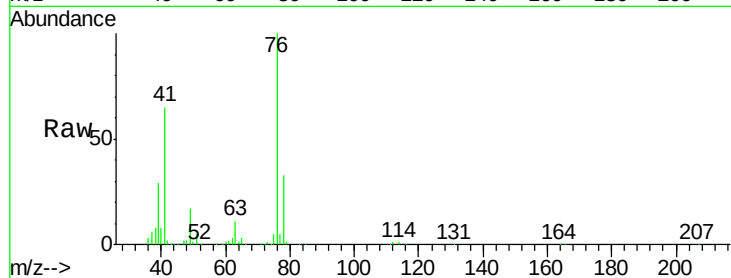
#57
 1,3-Dichloropropane
 Concen: 50.459 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 439357
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.4 38.0

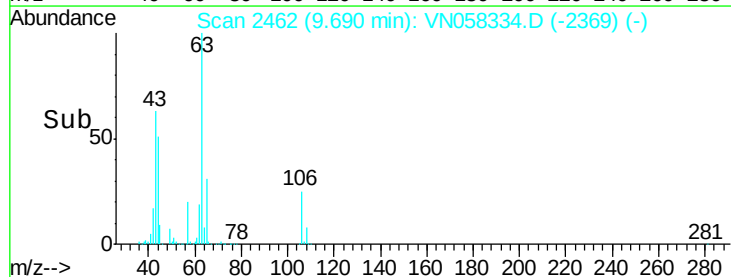
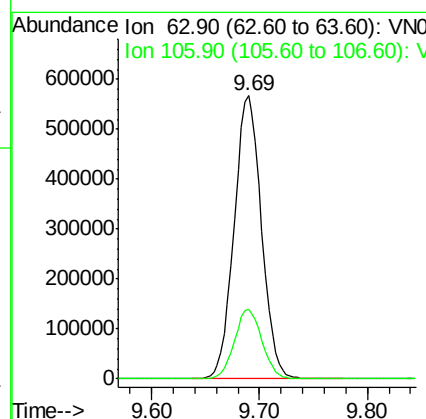
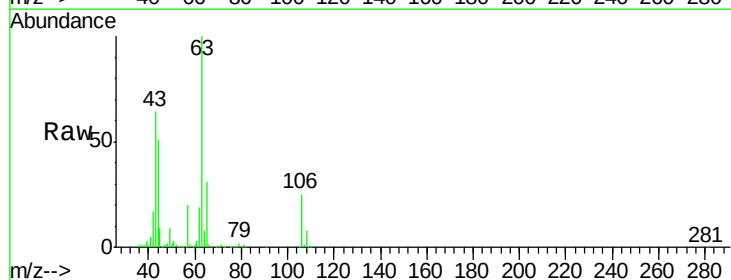
Manual Integrations
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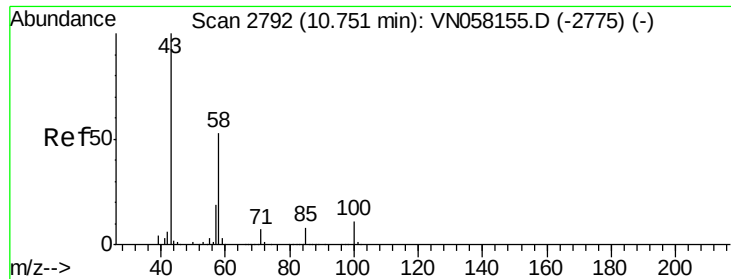
MMDadoda
 9/25/2019 12:49:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.904 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion: 63 Resp: 1002164
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.9 29.9





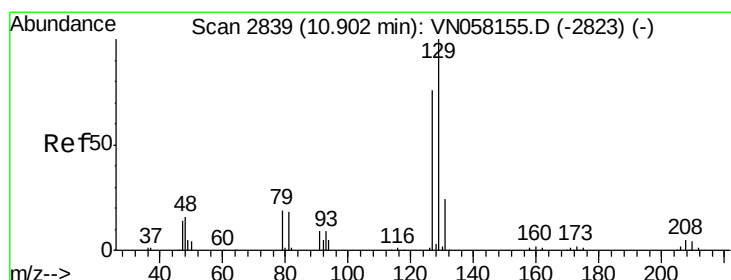
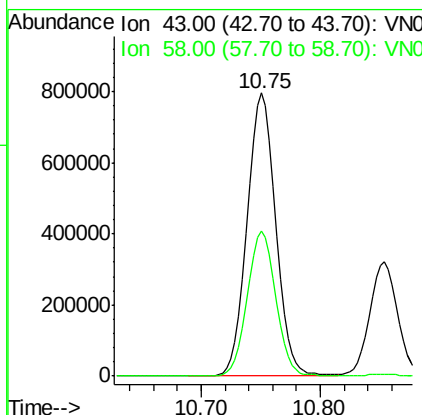
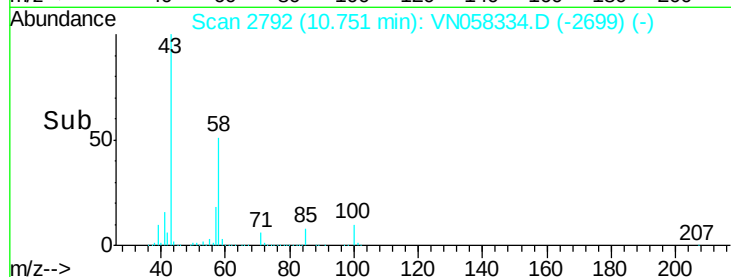
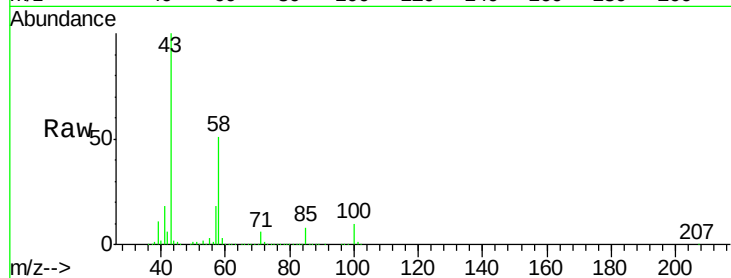
#59
2-Hexanone
Concen: 290.532 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1324455
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0

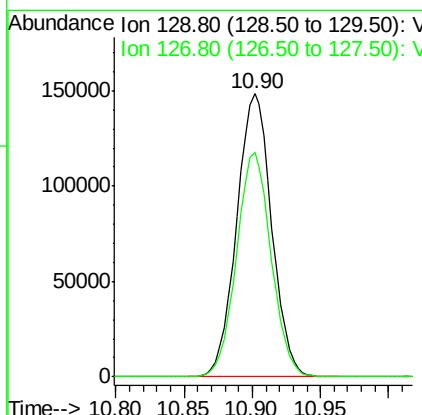
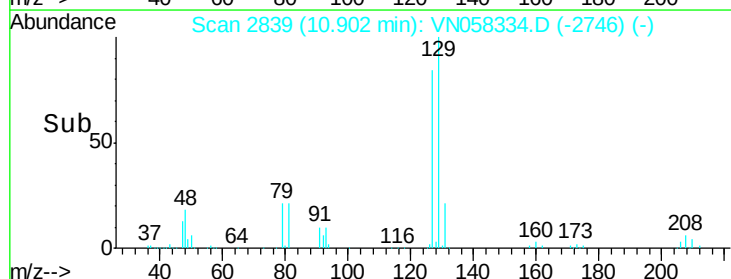
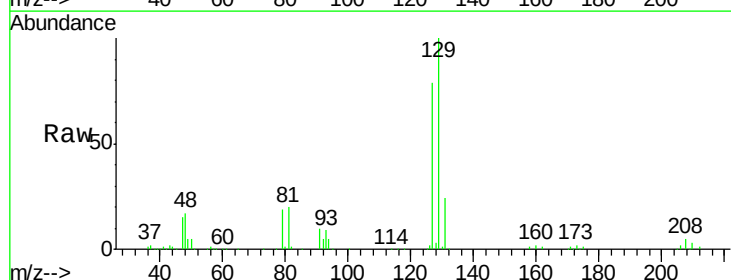
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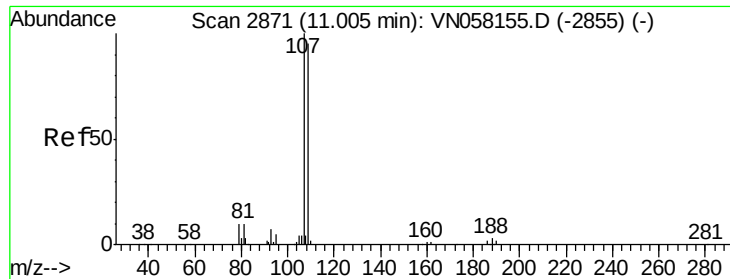
MMDadoda
9/25/2019 12:49:58 AM



#60
Dibromochloromethane
Concen: 54.271 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion: 129 Resp: 264446
Ion Ratio Lower Upper
129 100
127 78.3 38.7 116.1





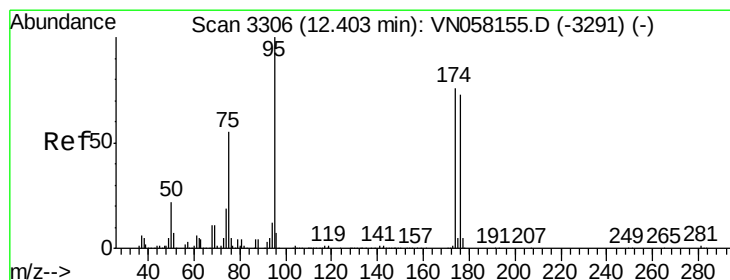
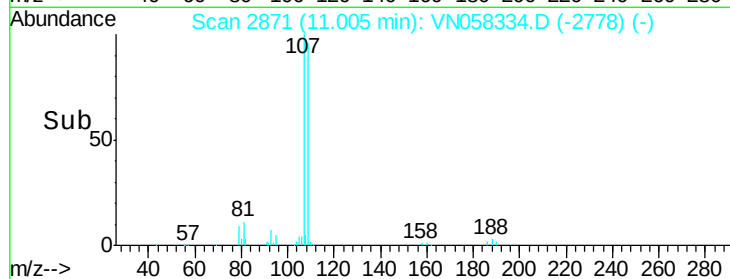
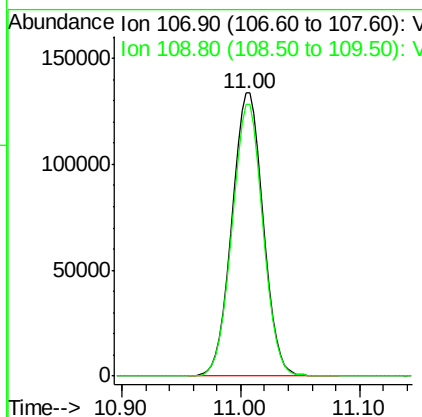
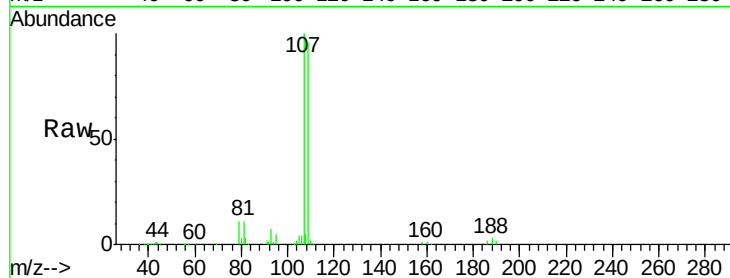
#61
 1,2-Dibromoethane
 Concen: 51.839 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.4	113.2

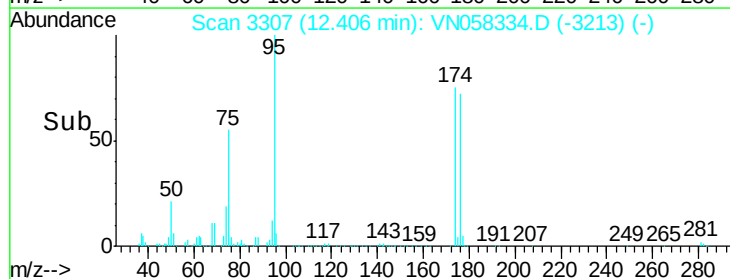
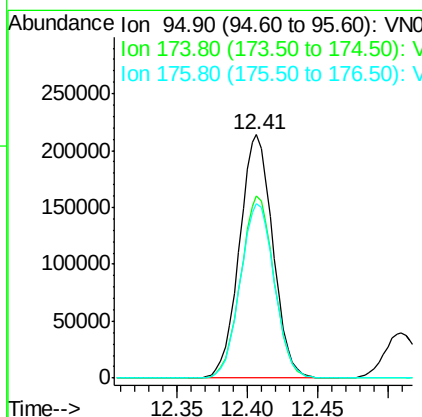
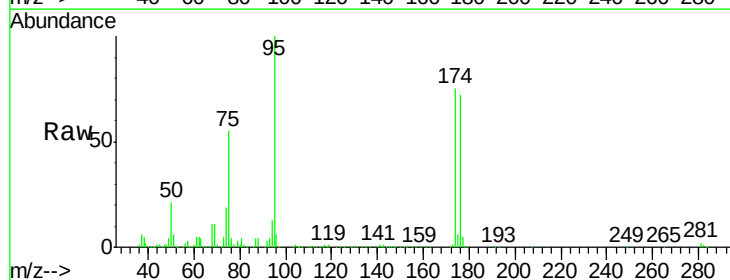
Manual Integrations
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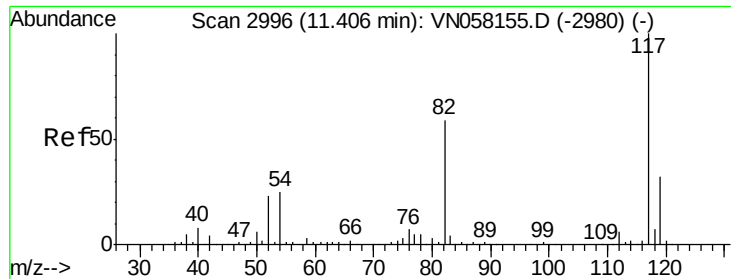
MMDadoda
 9/25/2019 12:49:58 AM



#62
 4-Bromofluorobenzene
 Concen: 48.711 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	152.2
176	73.4	0.0	148.0





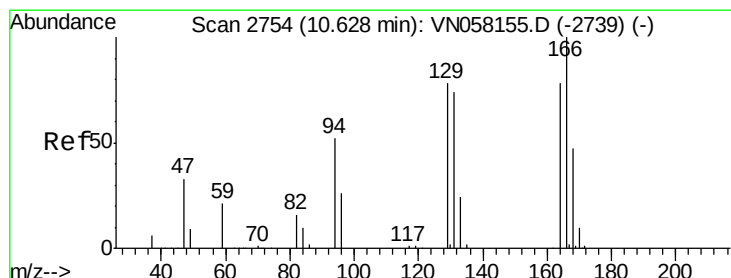
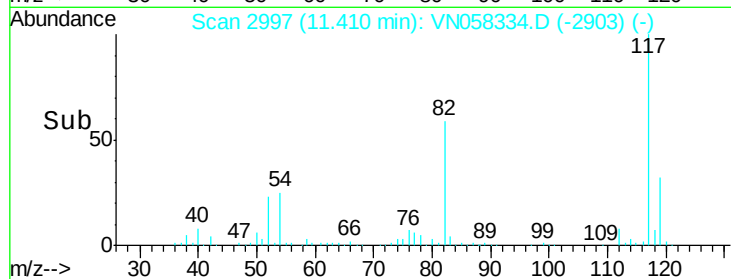
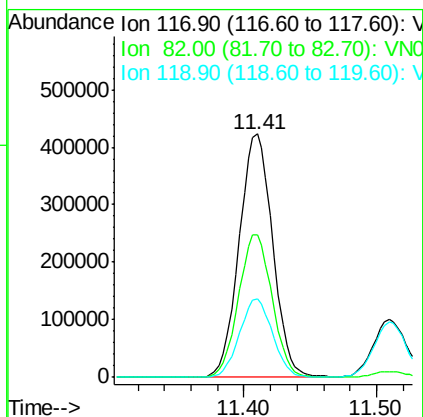
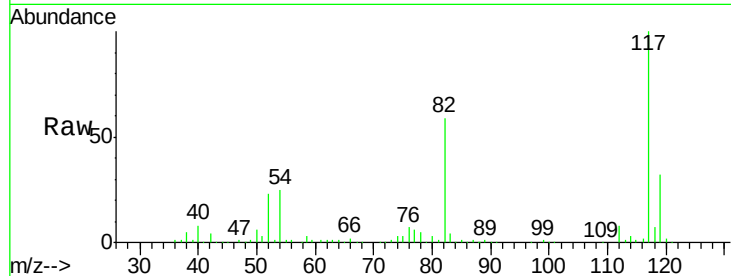
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.9	70.3
119	32.2	25.3	37.9

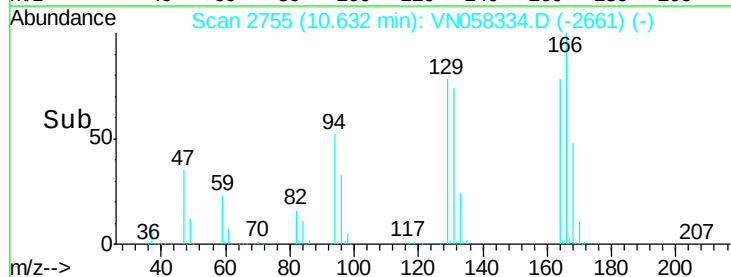
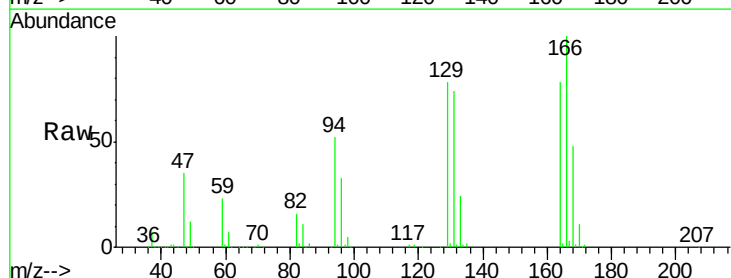
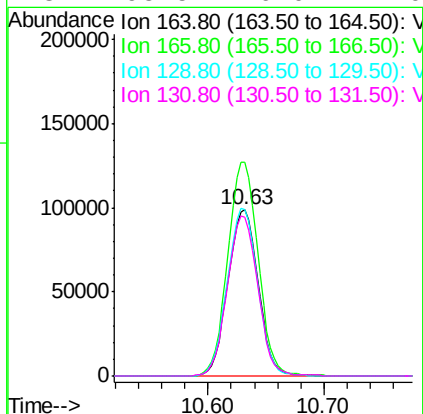
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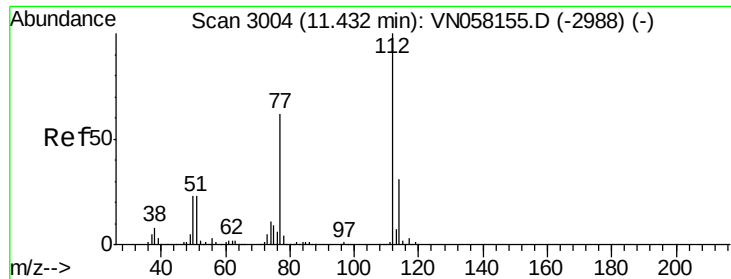
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#64
Tetrachloroethene
Concen: 49.112 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.2	153.4
129	100.4	79.6	119.4
131	95.5	76.0	114.0





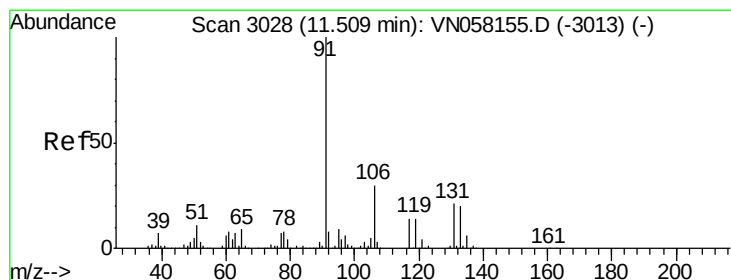
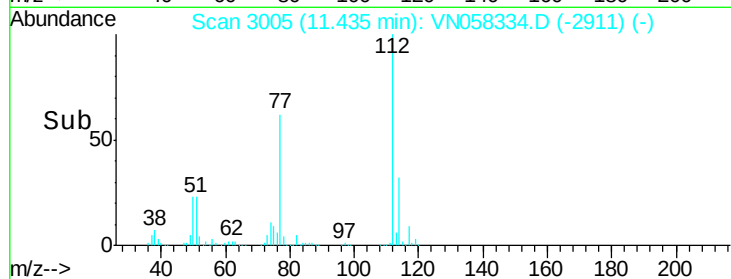
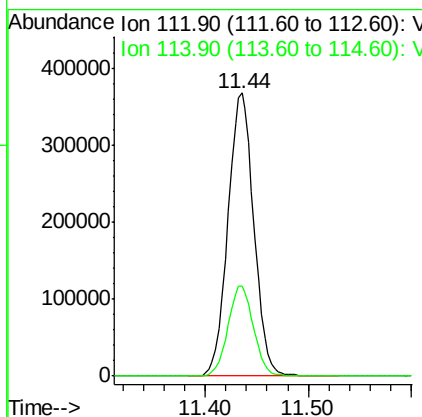
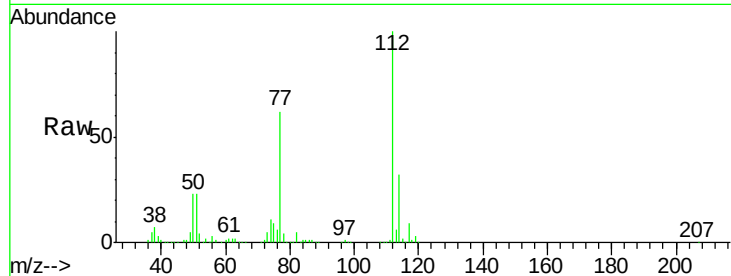
#65
Chlorobenzene
Concen: 49.030 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 641283
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7

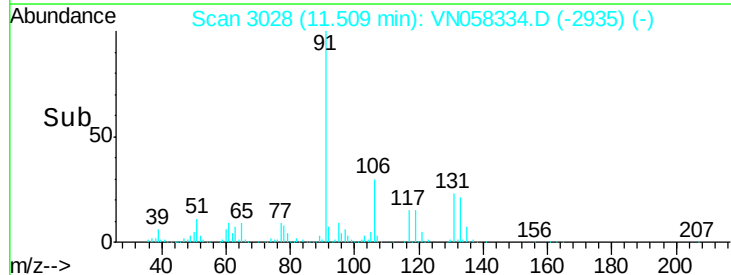
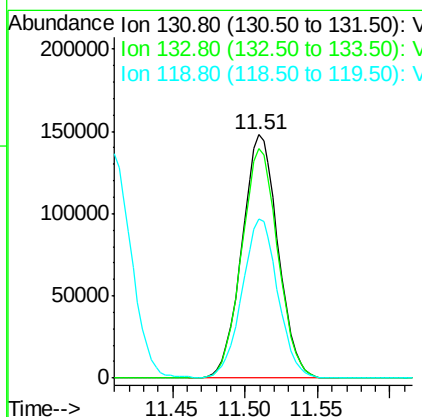
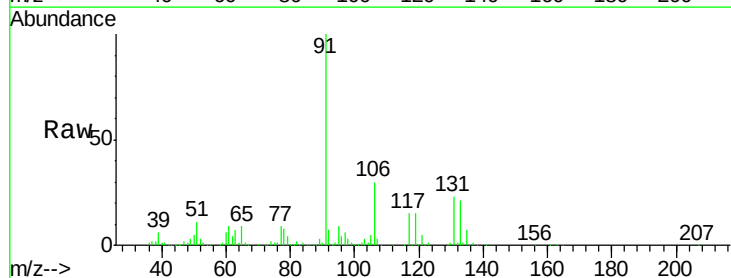
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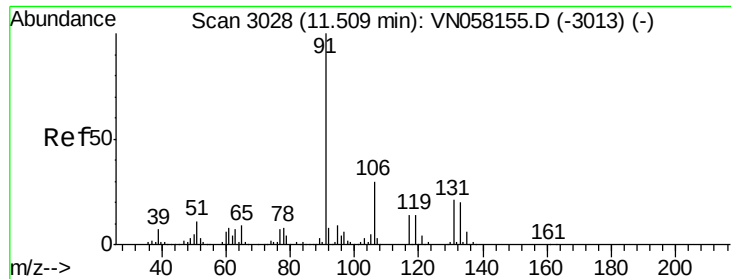
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9/25/2019 12:49:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.987 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion:131 Resp: 256042
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 64.9 33.1 99.3





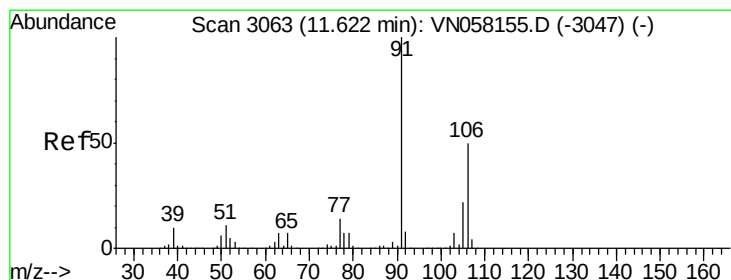
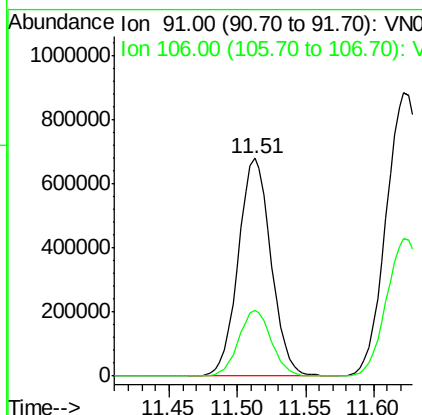
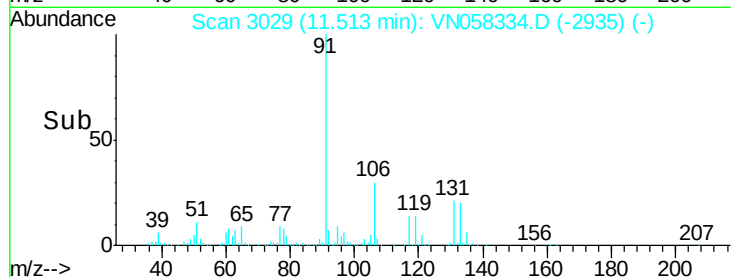
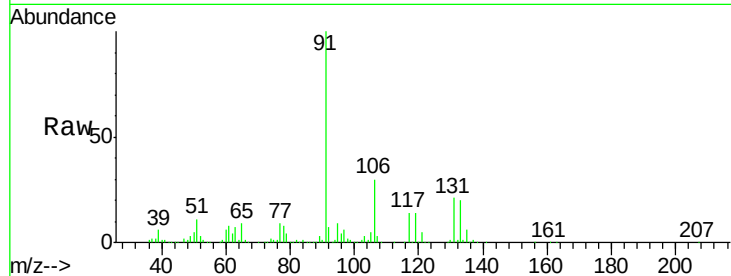
#67
Ethyl Benzene
Concen: 50.390 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion: 91 Resp: 1129301
Ion Ratio Lower Upper
91 100
106 30.3 24.0 36.0

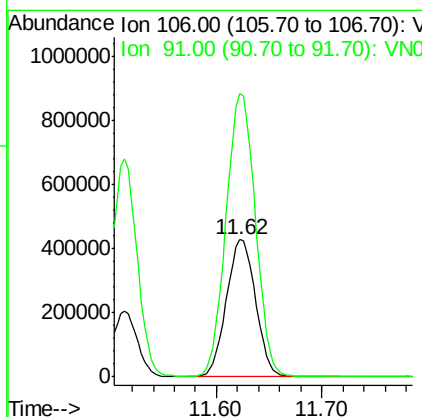
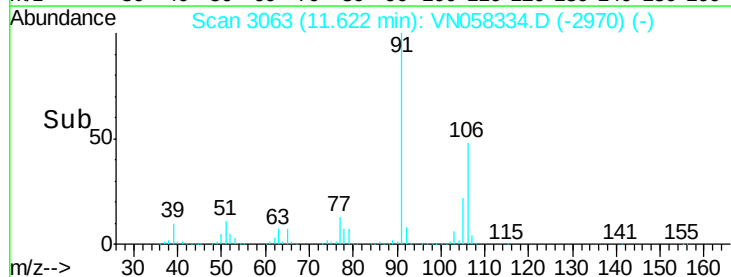
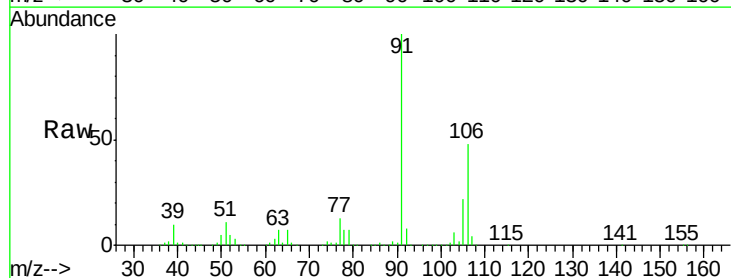
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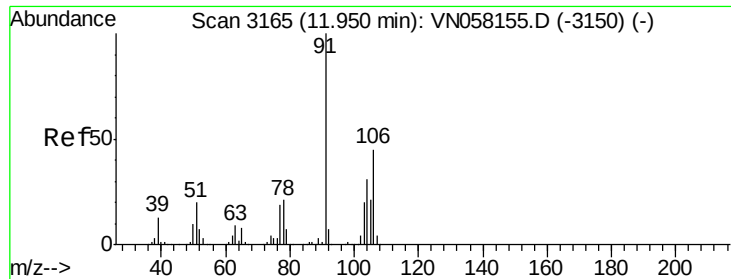
MMDadoda
9/25/2019 12:49:58 AM



#68
m/p-Xylenes
Concen: 97.096 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion: 106 Resp: 819571
Ion Ratio Lower Upper
106 100
91 206.9 163.6 245.4





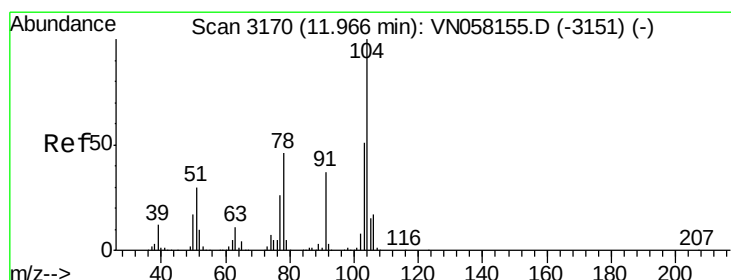
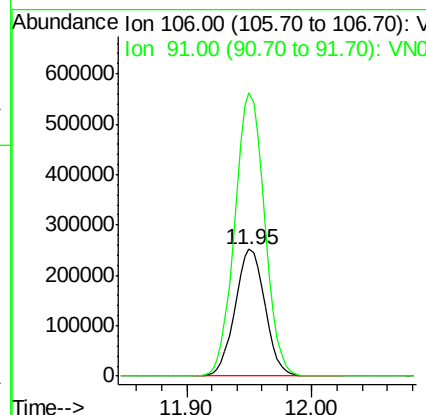
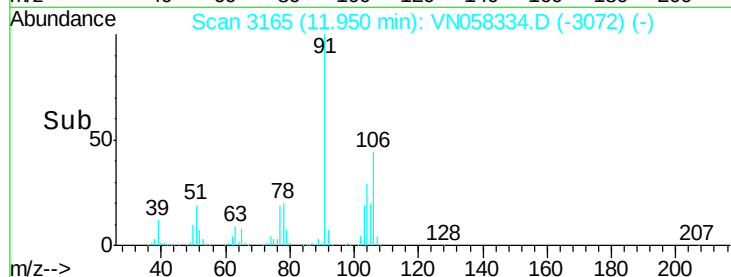
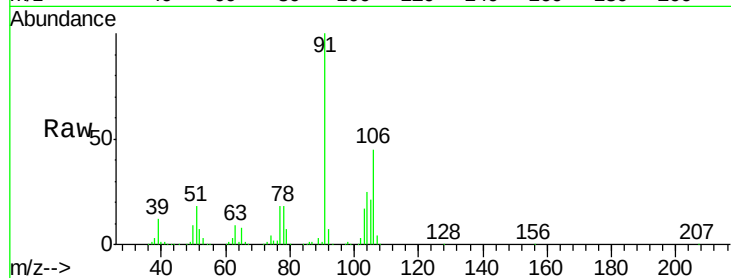
#69
o-Xylene
Concen: 50.273 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 417250
Ion Ratio Lower Upper
106 100
91 222.9 111.8 335.3

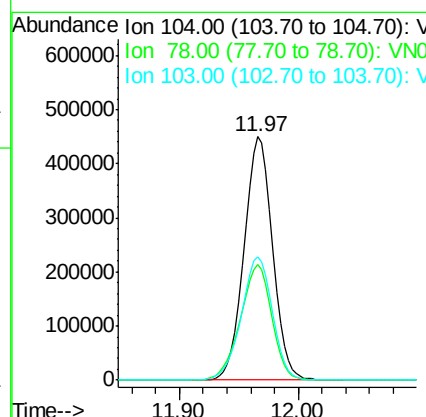
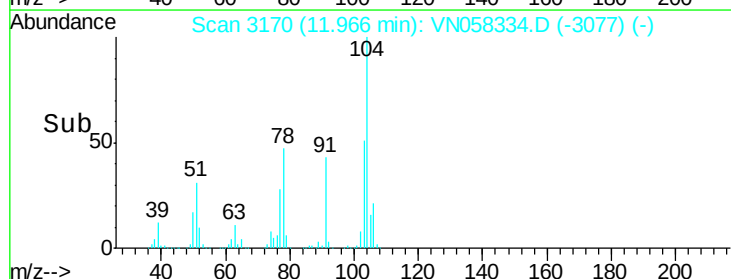
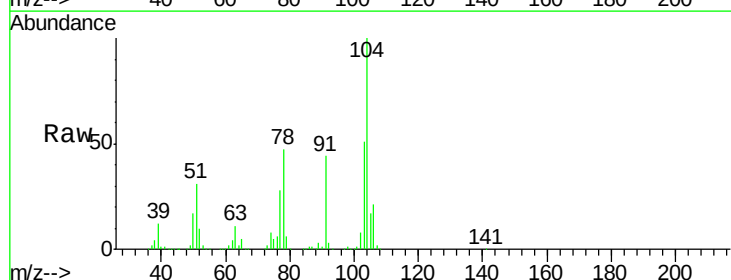
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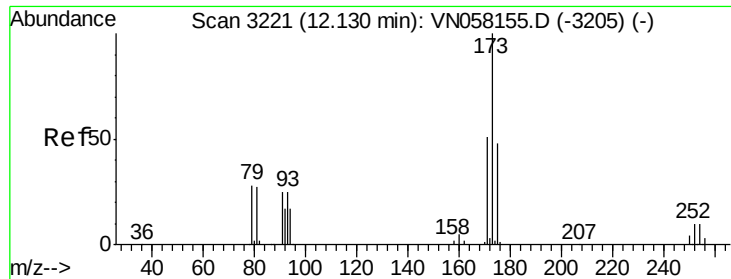
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#70
Styrene
Concen: 52.228 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion:104 Resp: 746878
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 55.1 44.2 66.2





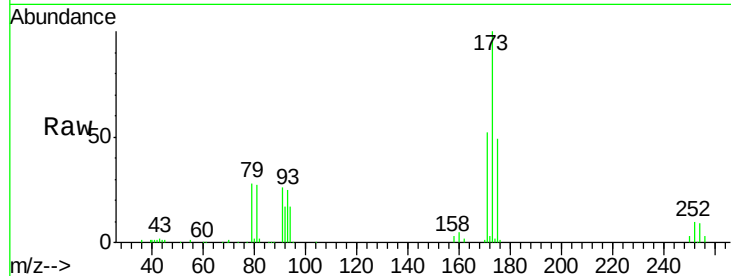
#71
Bromoform
Concen: 49.498 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

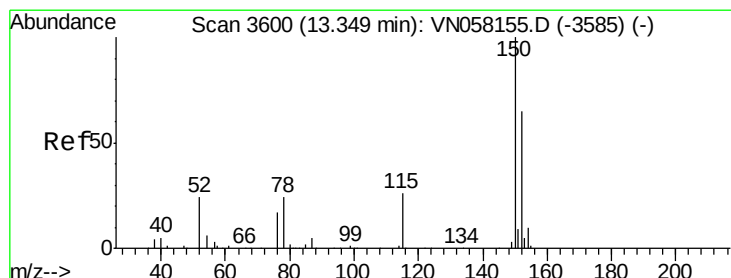
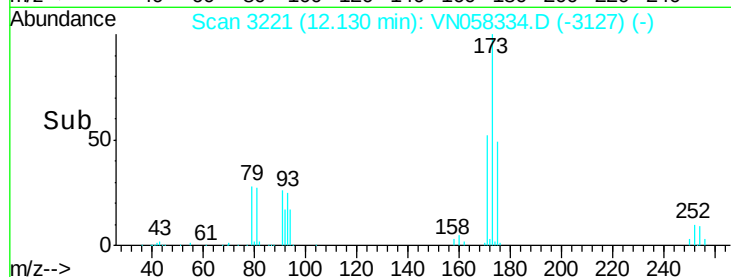
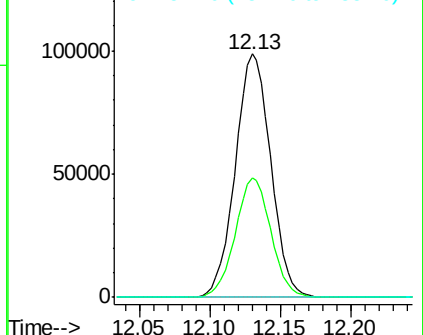
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.0	0.1	0.1#

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9/25/2019 12:49:58 AM

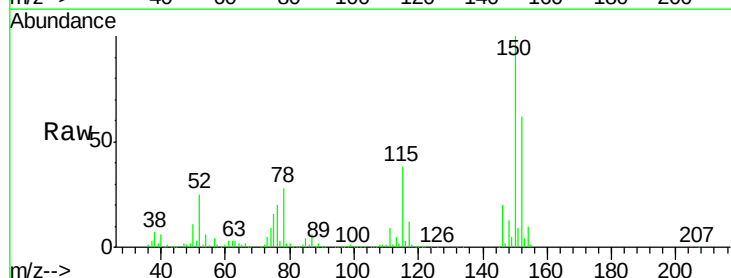


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

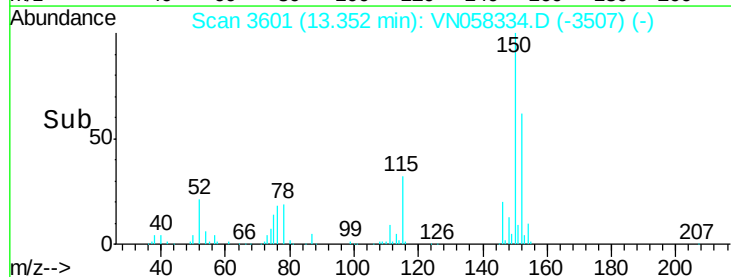
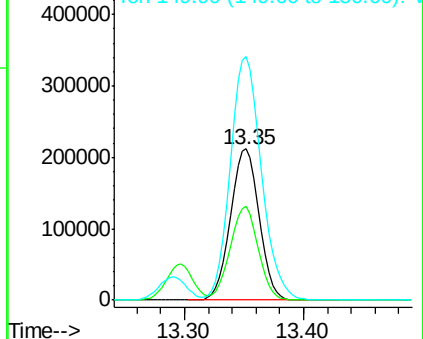


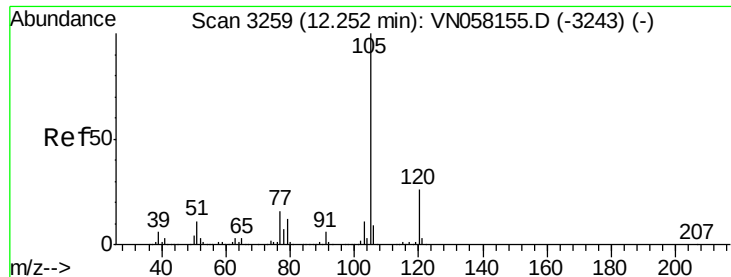
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.1	90.3
150	174.5	0.0	346.4



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





#73

Isopropylbenzene

Concen: 52.779 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1163882

Ion Ratio Lower Upper

105 100

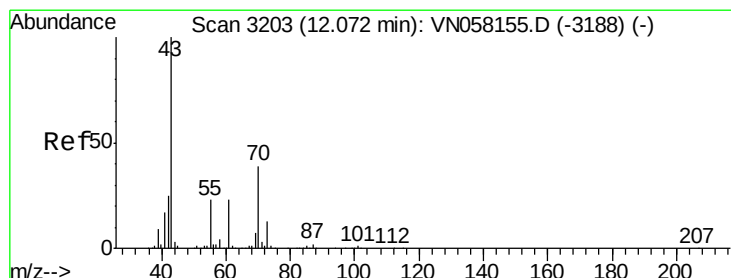
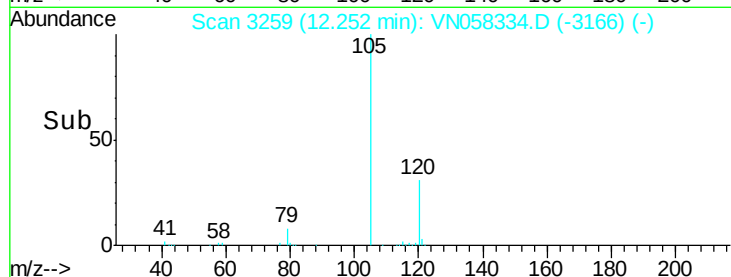
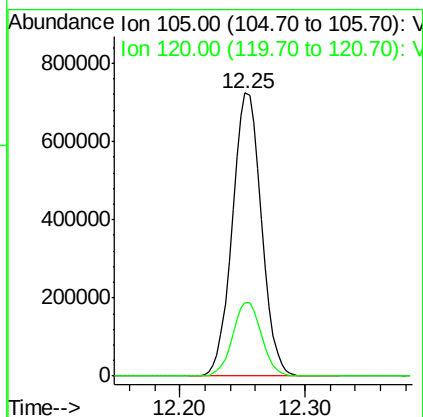
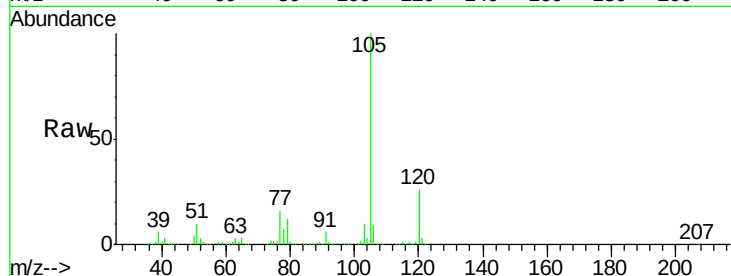
120 25.9 12.8 38.3

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9/25/2019 12:49:58 AM



#74

N-ethyl acetate

Concen: 59.605 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion: 43 Resp: 549873

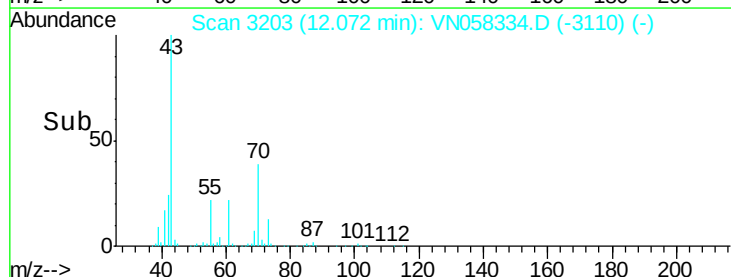
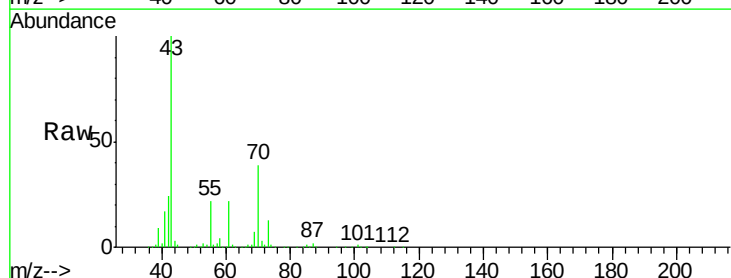
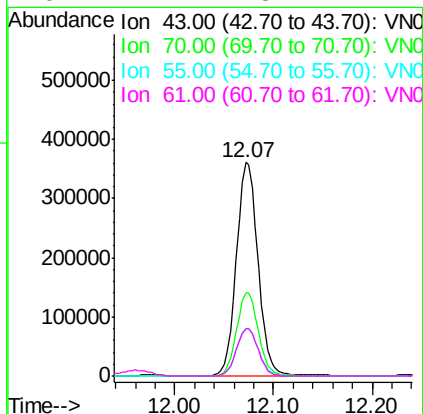
Ion Ratio Lower Upper

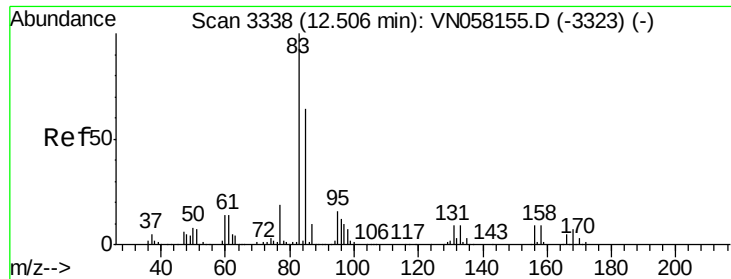
43 100

70 39.4 31.0 46.6

55 23.2 18.5 27.7

61 22.4 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 56.576 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

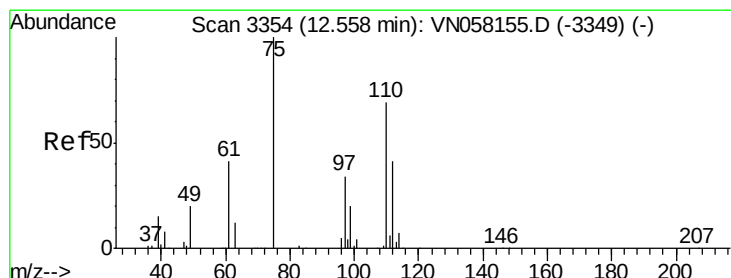
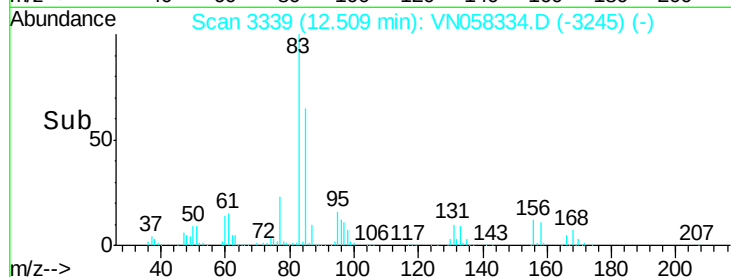
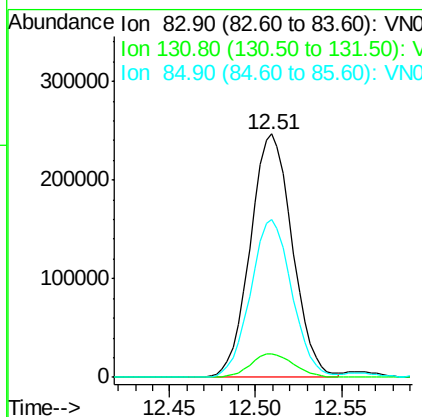
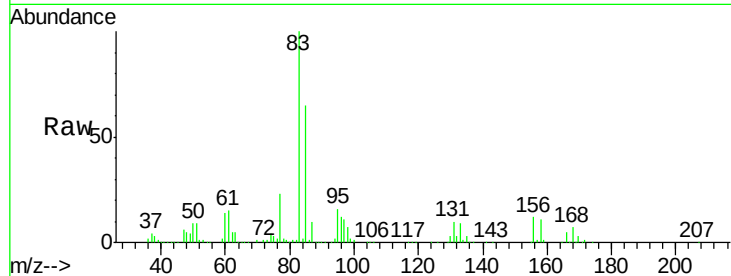
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	417796
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.3
85	63.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 55.812 ug/l m

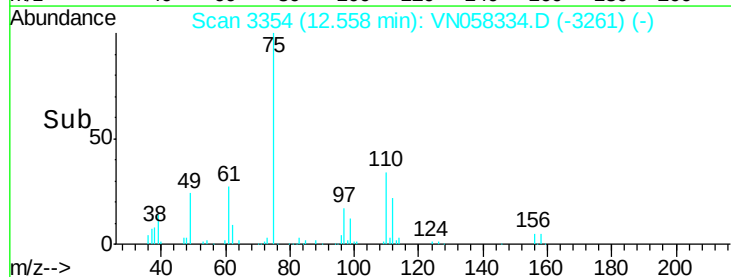
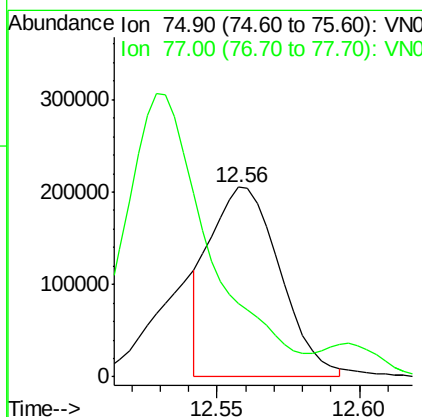
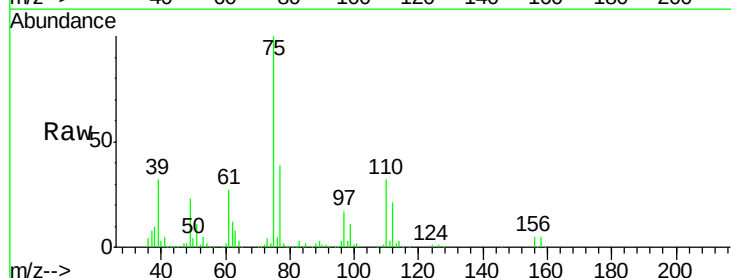
RT: 12.56 min Scan# 3354

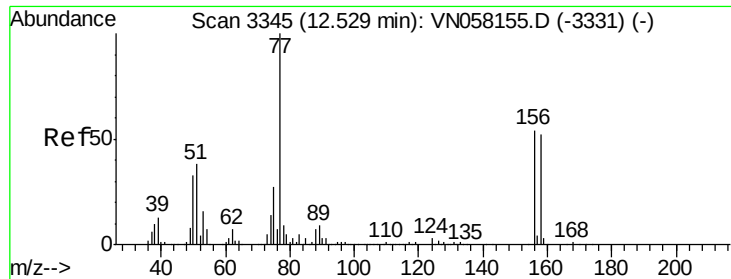
Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:	75	Resp:	351906
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





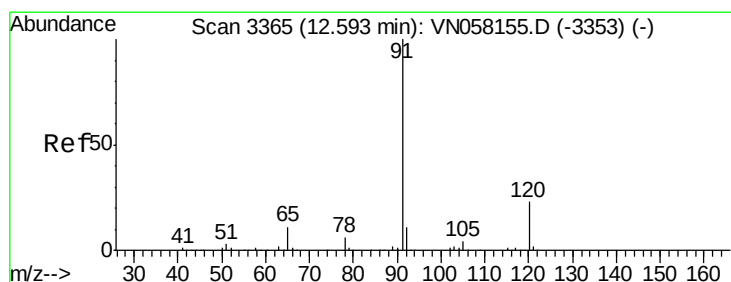
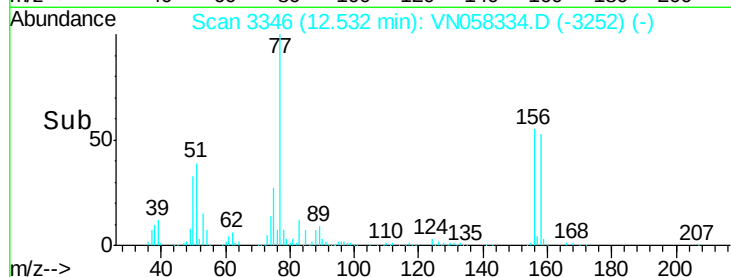
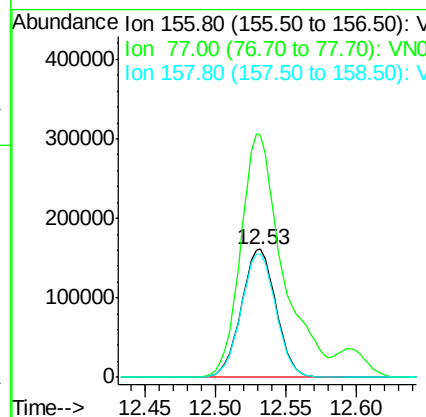
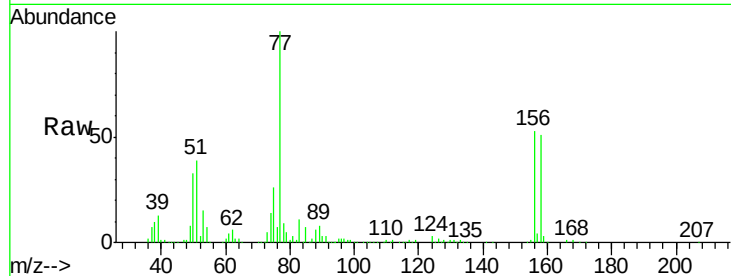
#77
Bromobenzene
Concen: 50.264 ug/l
RT: 12.53 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.2	111.7	335.1
158	96.2	47.9	143.8

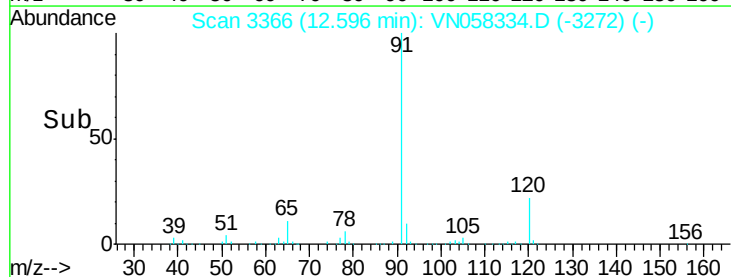
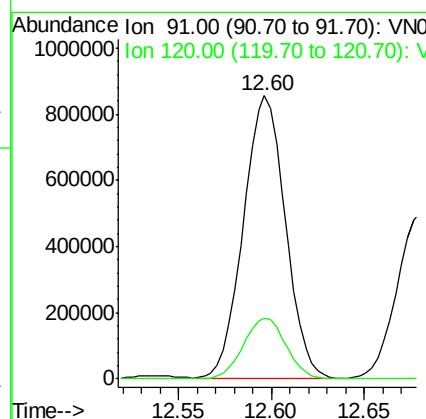
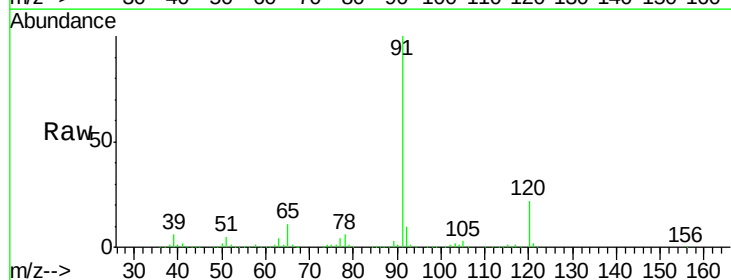
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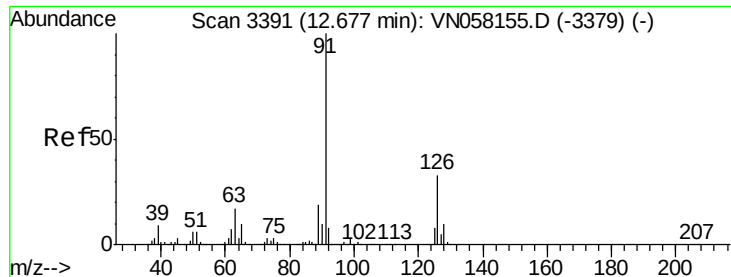
MMDadoda
9/25/2019 12:49:58 AM



#78
n-propylbenzene
Concen: 53.707 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.3





#79

2-Chlorotoluene

Concen: 52.643 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 824438

Ion Ratio Lower Upper

91 100

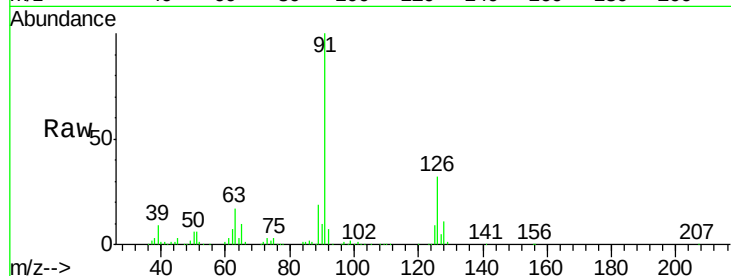
126 32.1 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

800000

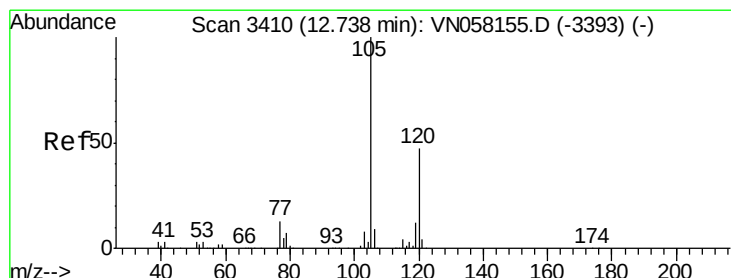
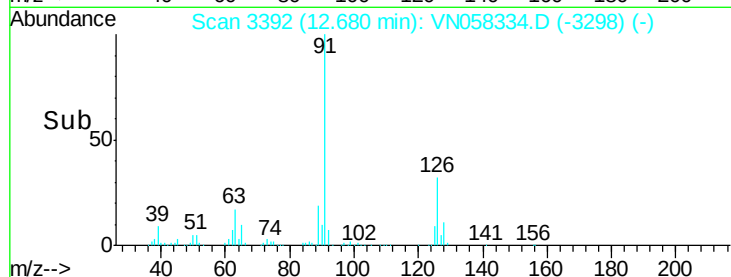
600000

400000

200000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 53.592 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058334.D

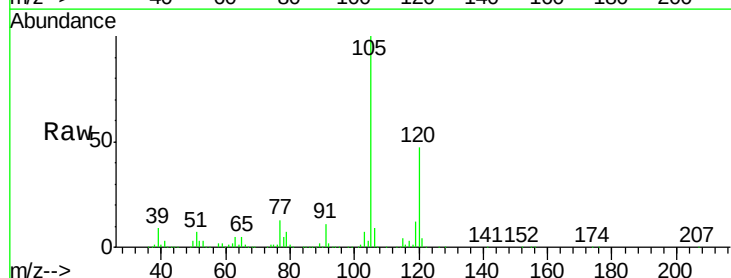
Acq: 24 Sep 2019 8:30

Tgt Ion: 105 Resp: 999374

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

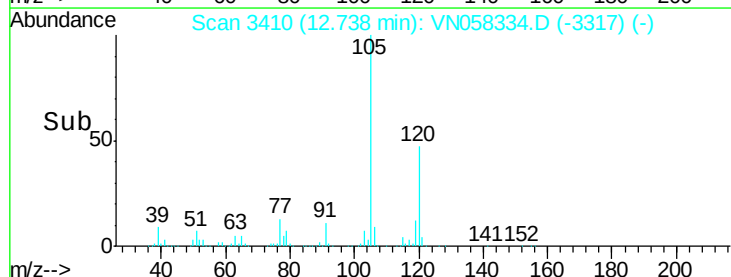
600000

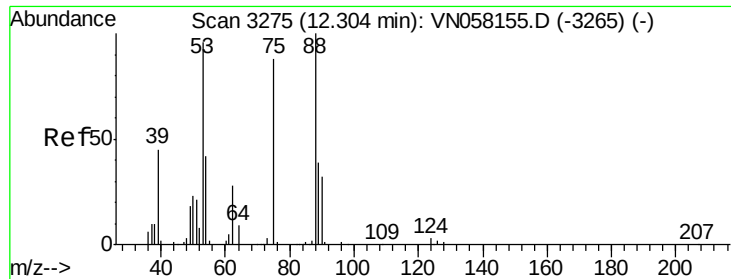
400000

200000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 43.273 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

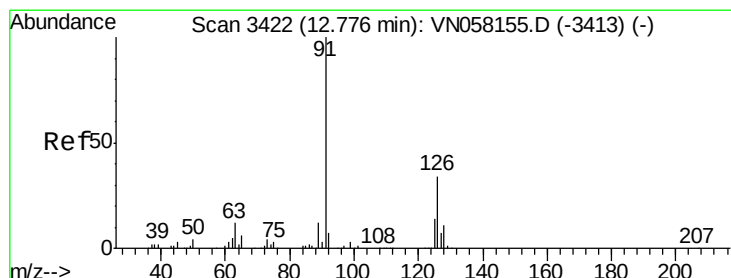
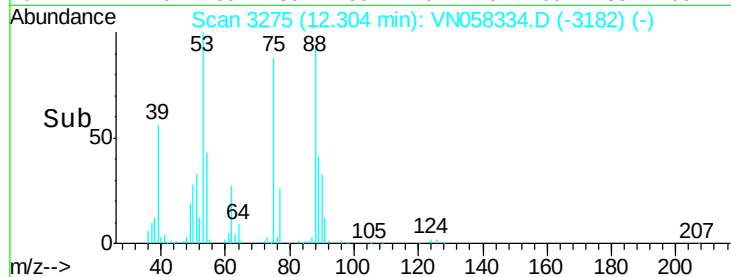
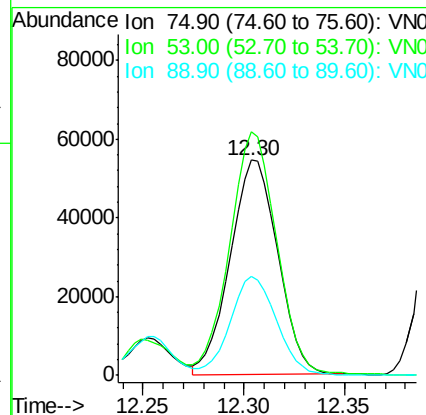
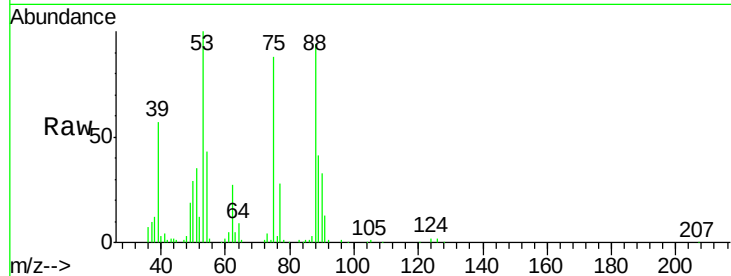
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	89811
Ion	Ratio	Lower	Upper
75	100		
53	112.9	90.1	135.1
89	44.8	36.2	54.2

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#82

4-Chlorotoluene

Concen: 52.242 ug/l

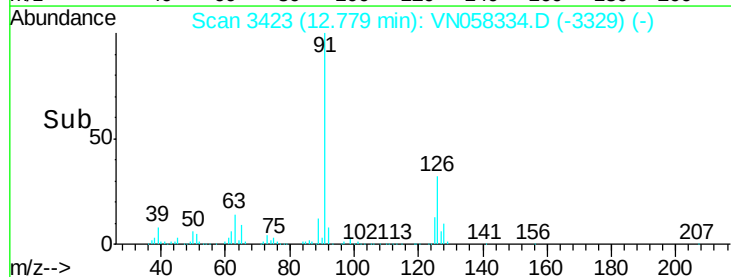
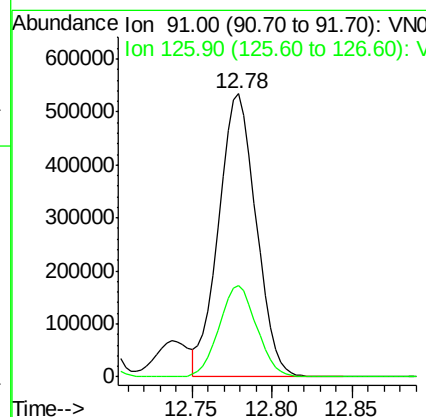
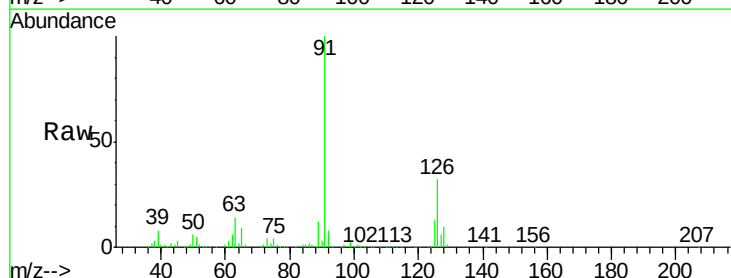
RT: 12.78 min Scan# 3423

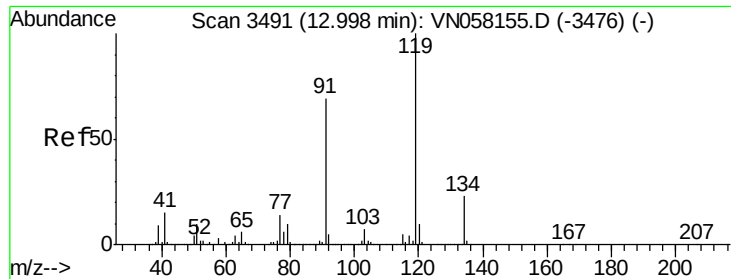
Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:	91	Resp:	860027
Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1





#83

tert-Butylbenzene

Concen: 53.851 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

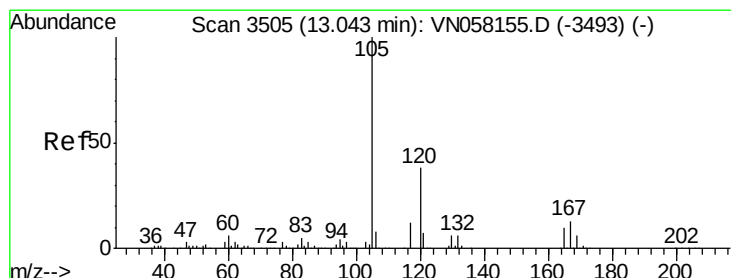
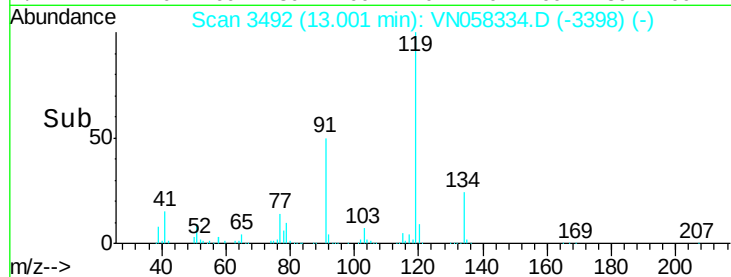
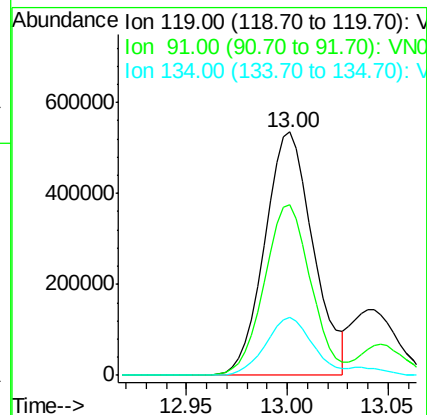
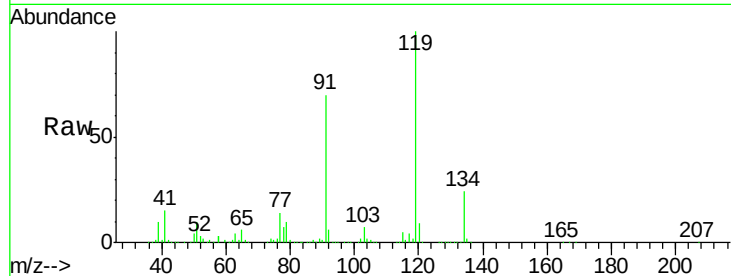
ClientSampled :

VSTDCCC050EC

Tot Ion:	119	Resp:	895522
Ion Ratio	Lower	Upper	
119	100		
91	67.1	33.8	101.3
134	23.3	11.6	34.8

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#84

1,2,4-Trimethylbenzene

Concen: 54.917 ug/l

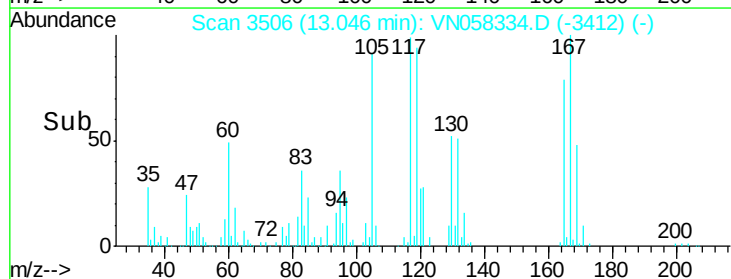
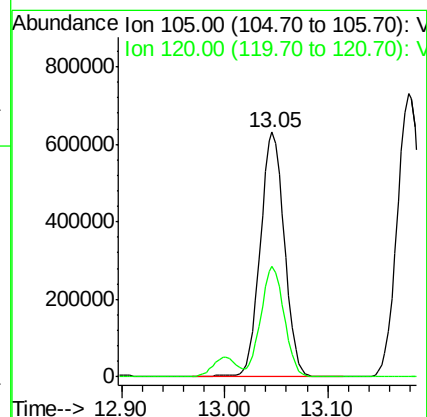
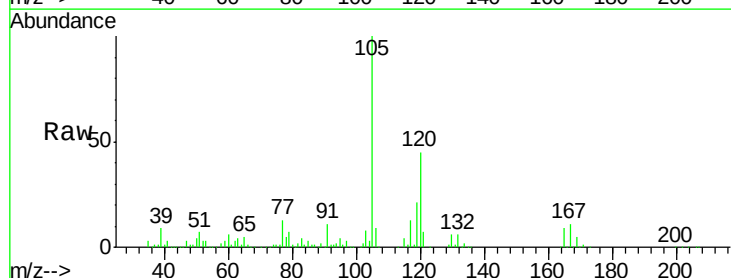
RT: 13.05 min Scan# 3506

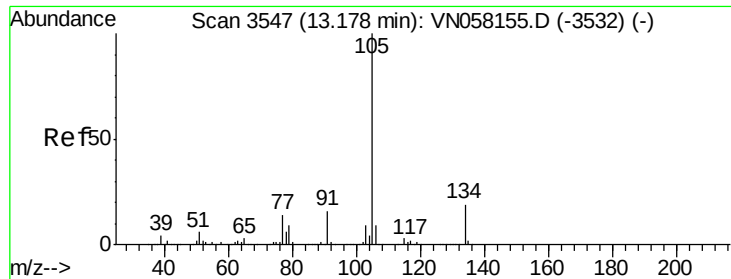
Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:	105	Resp:	1019130
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 54.059 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1175561

Ion Ratio Lower Upper

105 100

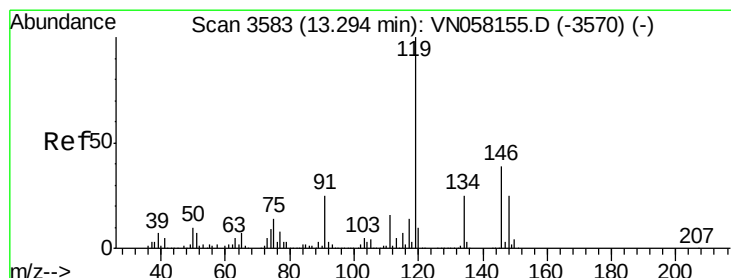
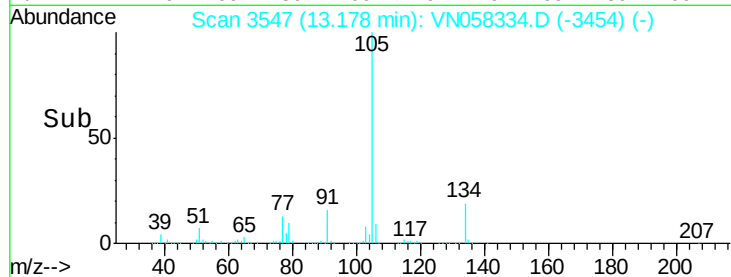
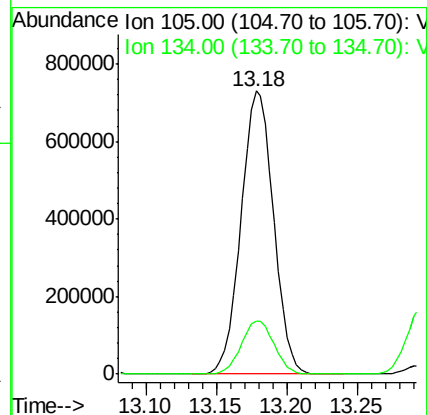
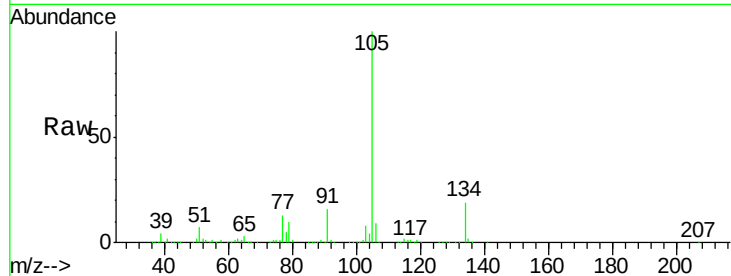
134 19.0 9.5 28.5

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9/25/2019 12:49:58 AM



#86

p-Isopropyltoluene

Concen: 53.657 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

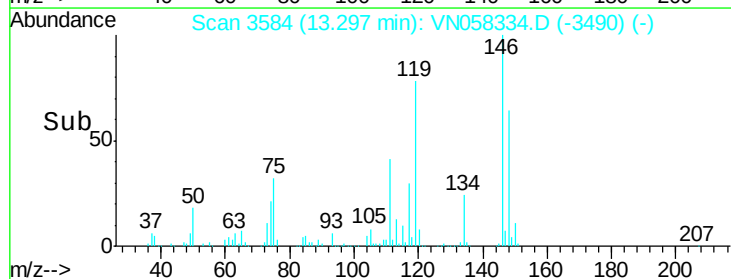
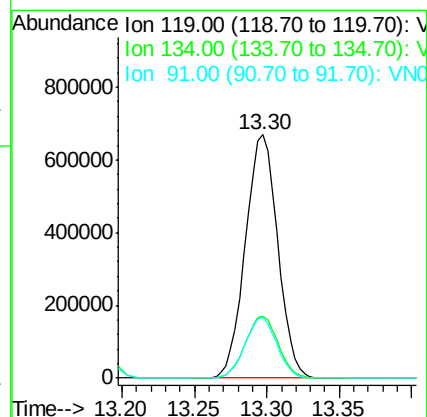
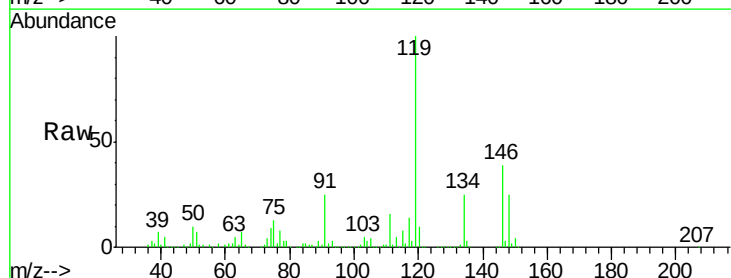
Tgt Ion:119 Resp: 1037333

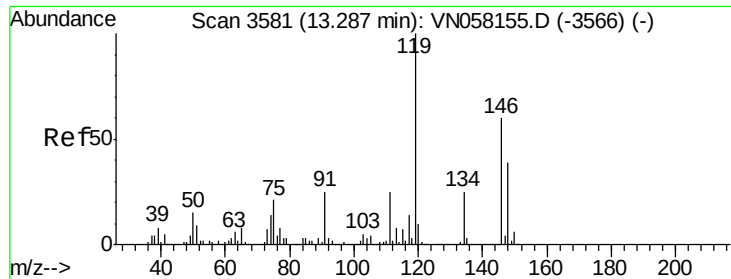
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 24.6 12.3 36.8





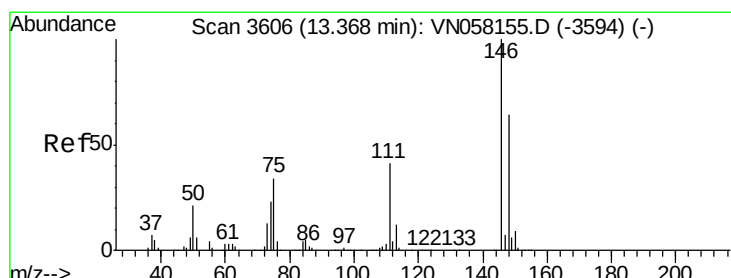
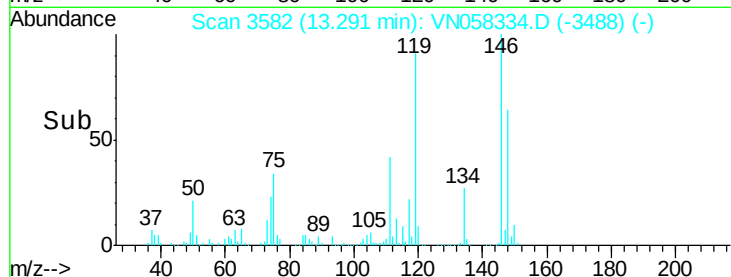
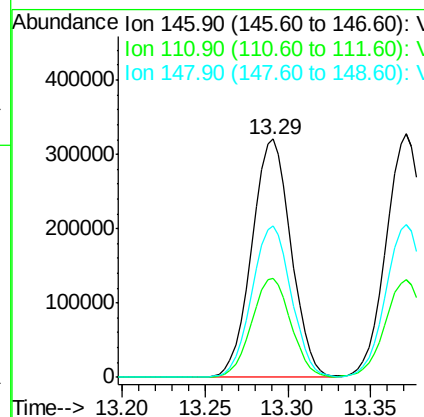
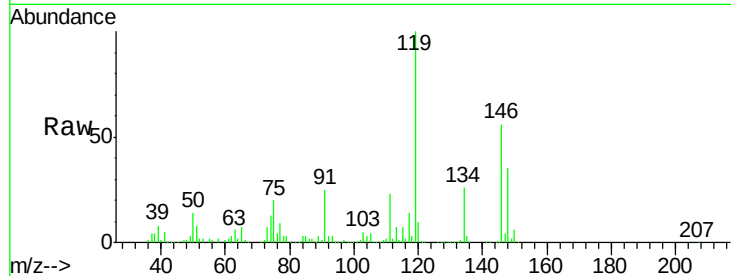
#87
 1,3-Dichlorobenzene
 Concen: 52.028 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	527130		
111	41.6	20.9	62.8	
148	63.9	32.0	96.2	

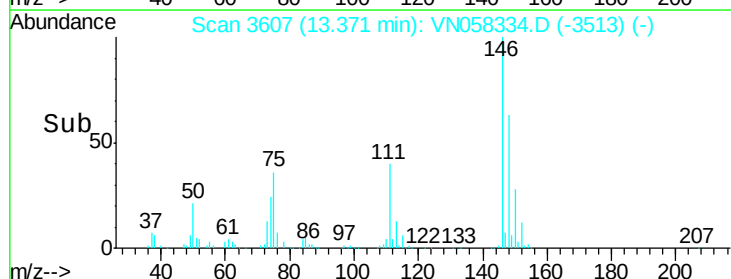
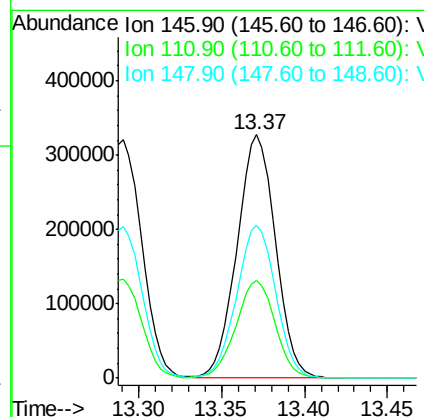
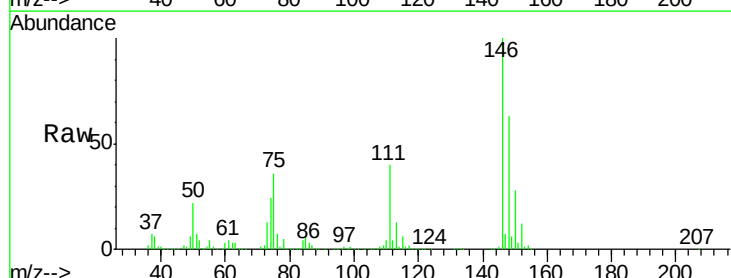
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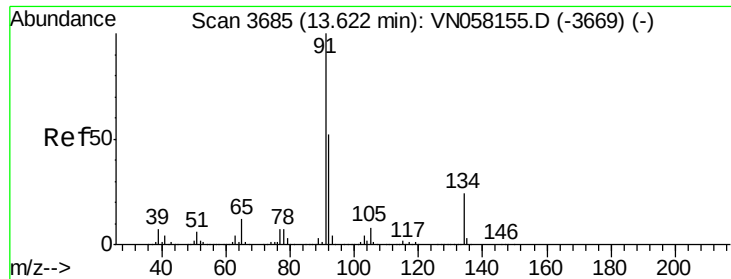
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#88
 1,4-Dichlorobenzene
 Concen: 51.089 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	528438		
111	40.8	20.5	61.5	
148	63.9	31.9	95.5	





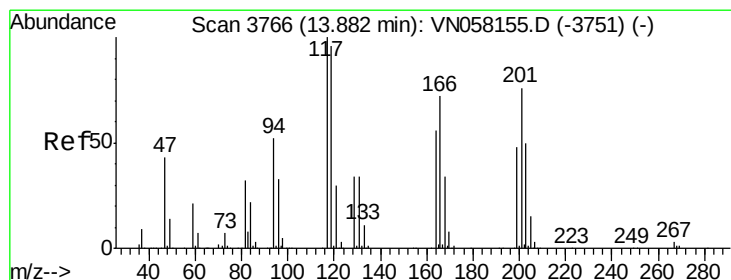
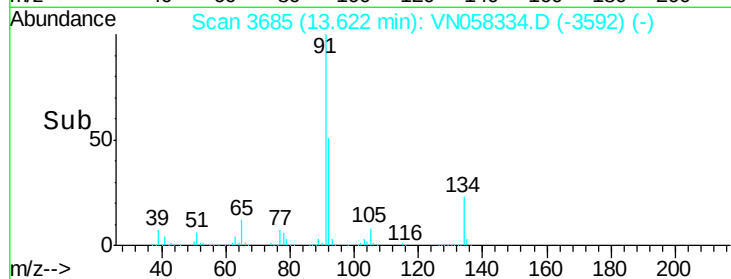
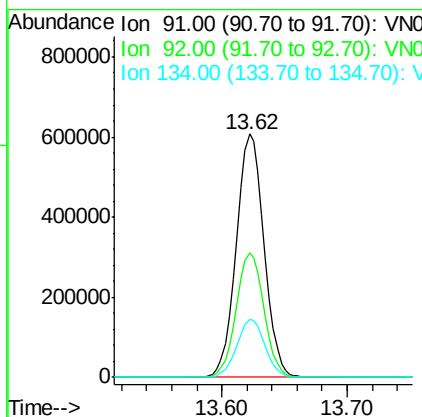
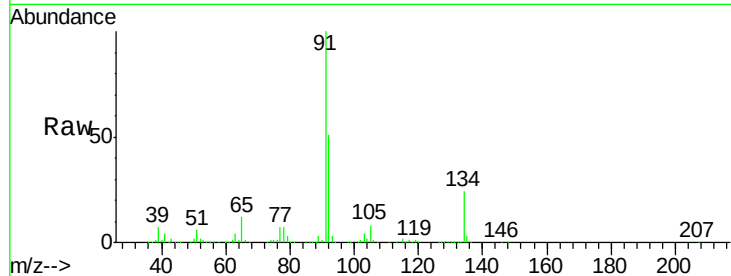
#89
n-Butylbenzene
Concen: 50.898 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.0
134	24.2	11.8	35.4

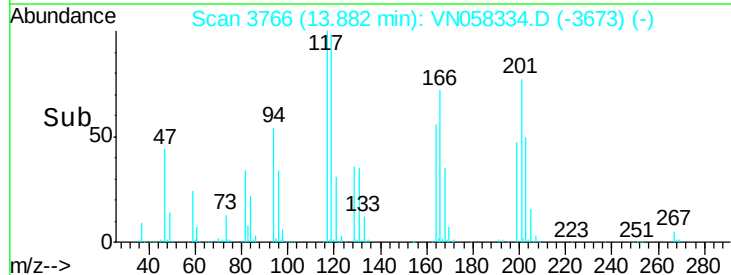
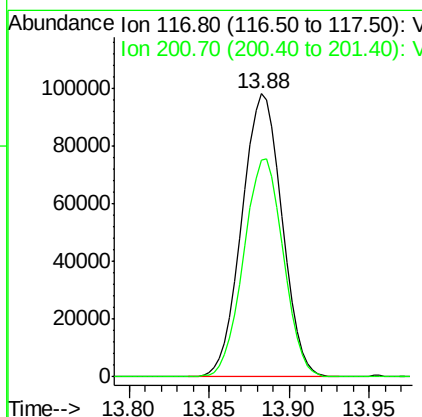
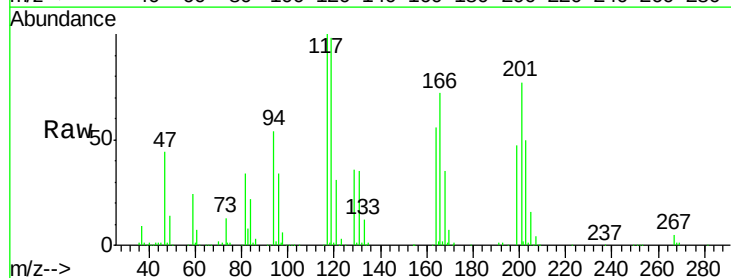
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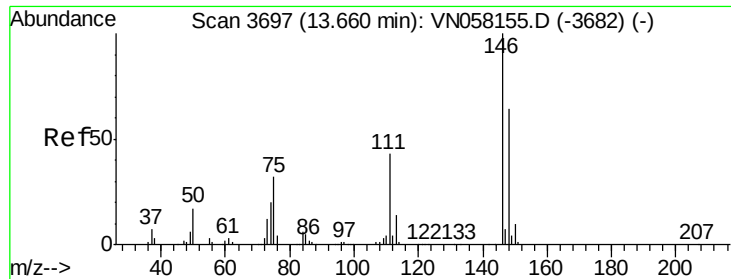
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#90
Hexachloroethane
Concen: 49.627 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058334.D
Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	37.5	112.5





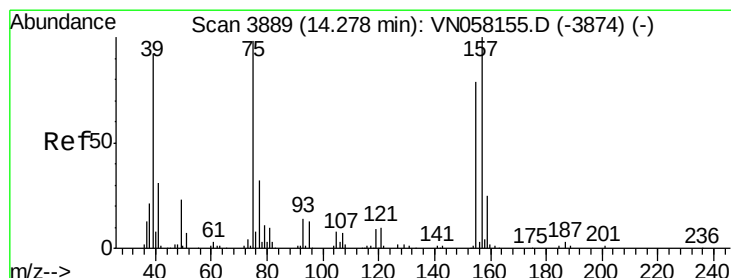
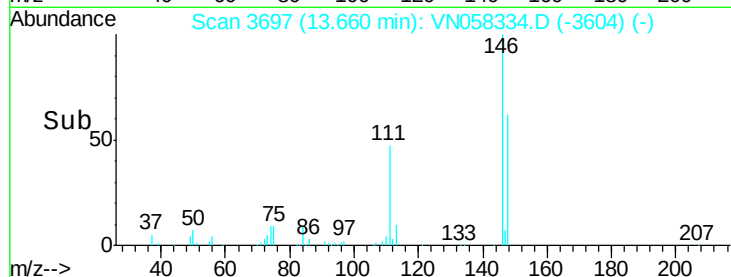
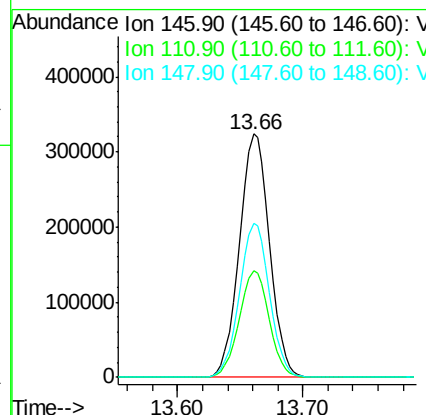
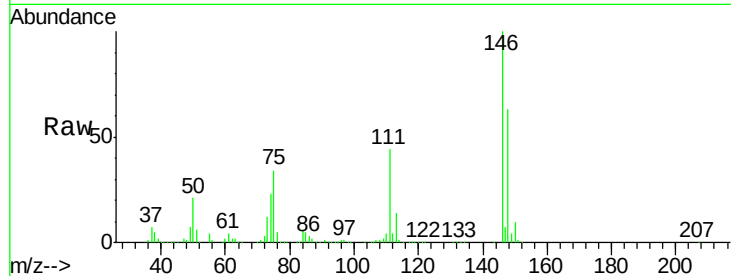
#91
 1,2-Dichlorobenzene
 Concen: 53.109 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	539750		
111	43.5		21.1	63.1
148	63.1		31.8	95.4

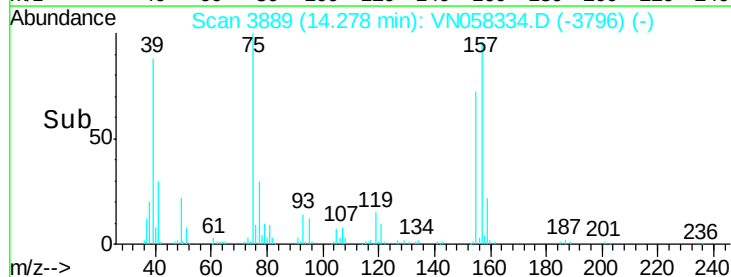
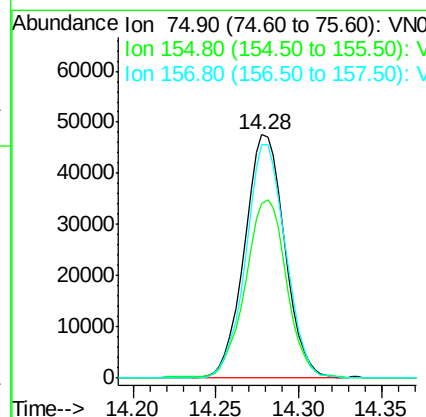
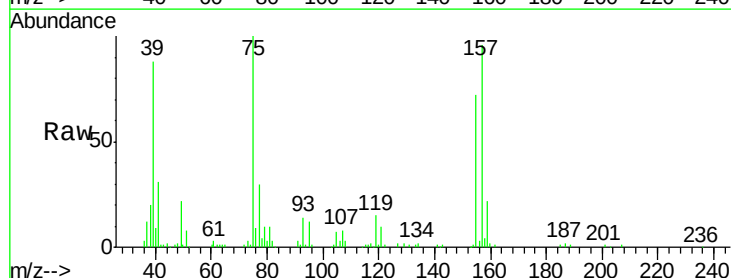
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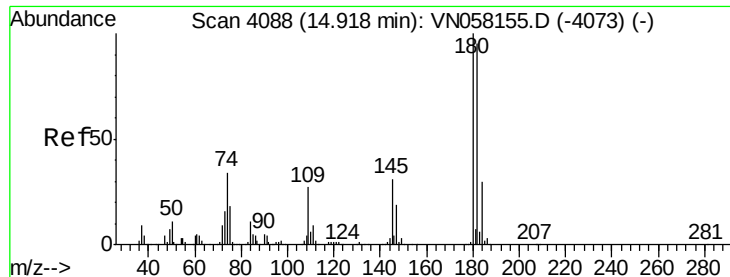
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.484 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80413		
155	75.7		38.3	114.8
157	94.8		48.0	144.0





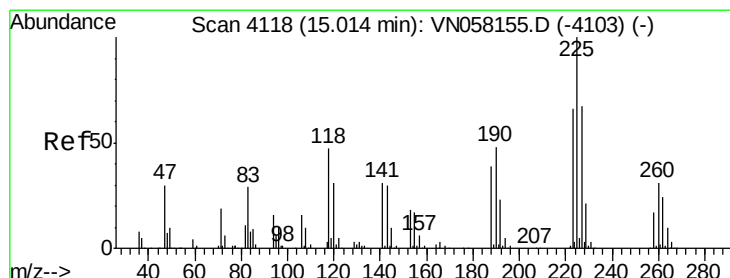
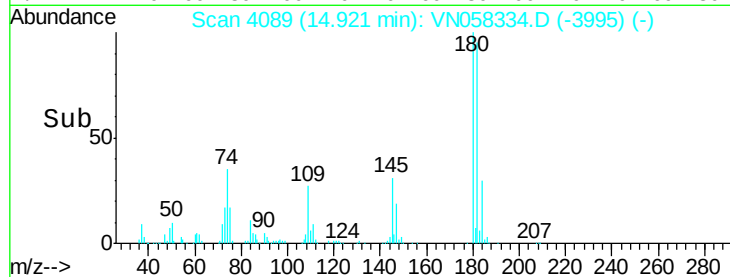
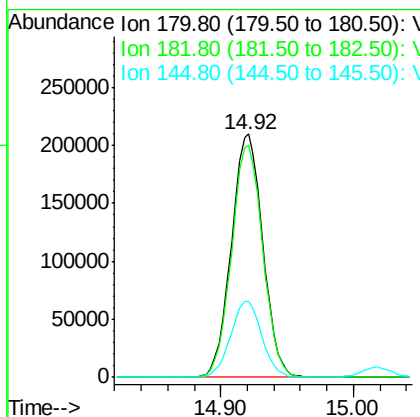
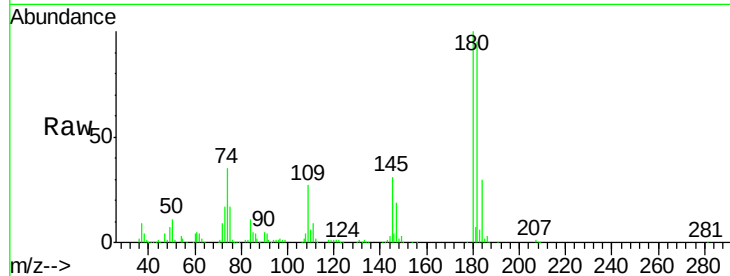
#93
 1,2,4-Trichlorobenzene
 Concen: 53.038 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	344402		
182	95.0	47.8	143.3	
145	31.0	15.4	46.4	

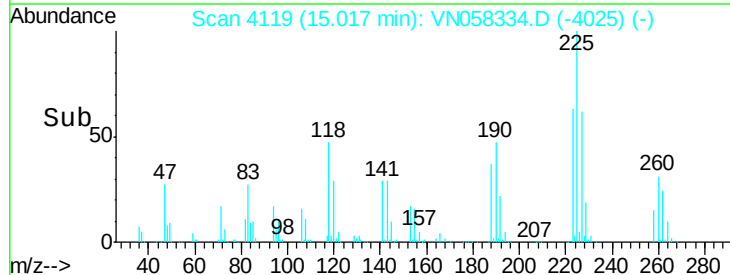
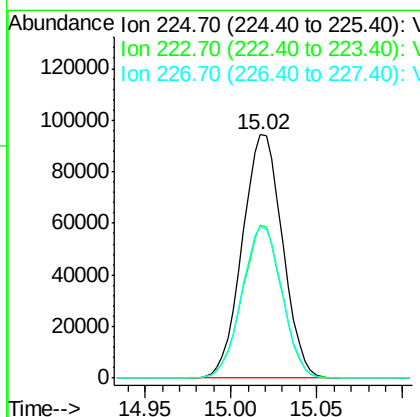
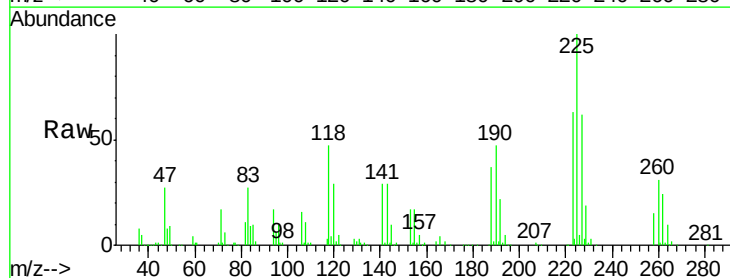
Manual Integrations
 APPROVED

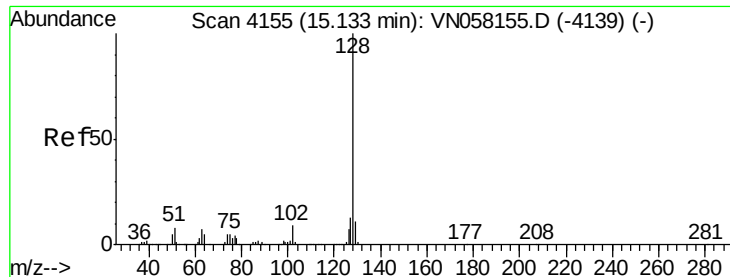
MMDadoda
 9/25/2019 12:49:58 AM



#94
 Hexachlorobutadiene
 Concen: 48.920 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058334.D
 Acq: 24 Sep 2019 8:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153537		
223	61.6	32.6	97.7	
227	62.4	33.0	99.0	





#95

Naphthalene

Concen: 61.551 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1035794

Ion Ratio Lower Upper

128 100

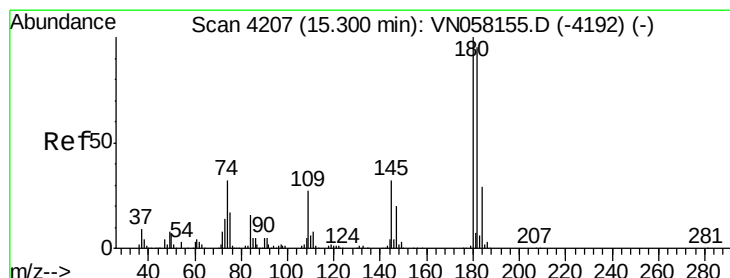
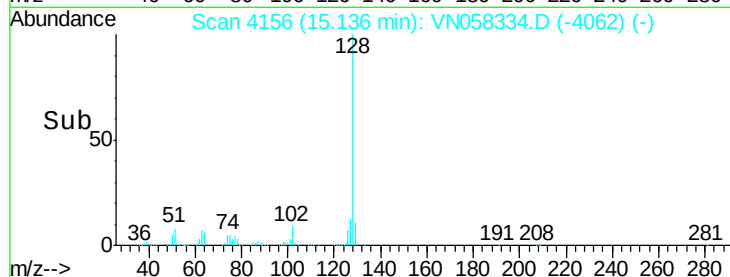
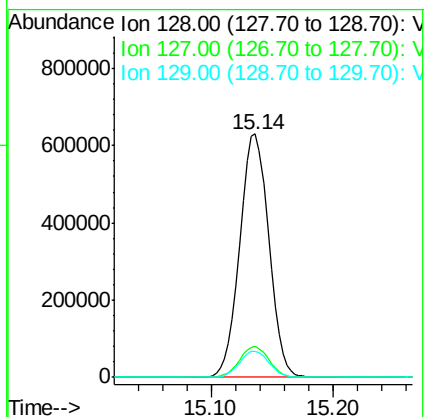
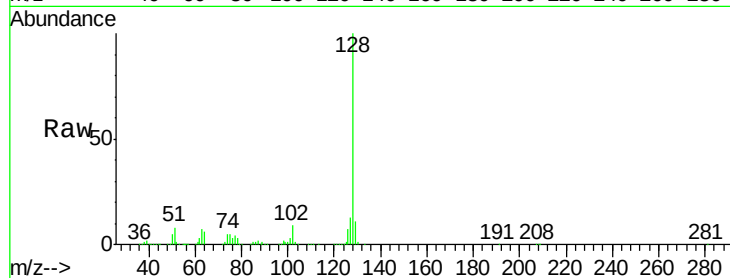
127 12.8 10.2 15.2

129 10.9 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

9/25/2019 12:49:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.629 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058334.D

Acq: 24 Sep 2019 8:30

Tgt Ion:180 Resp: 329143

Ion Ratio Lower Upper

180 100

182 96.6 47.4 142.2

145 32.4 16.1 48.2

