

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058189.D
 Acq On : 19 Sep 2019 8:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:14 PM

Quant Time: Sep 20 02:02:14 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	498469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	843861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	774647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	358318	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.57	113	260278	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	1055808	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.40	95	393250	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	186931	45.651	ug/l	97
3) Chloromethane	2.03	50	149308	47.248	ug/l	99
4) Vinyl Chloride	2.17	62	165811	48.004	ug/l	99
5) Bromomethane	2.54	94	80191	43.978	ug/l	93
6) Chloroethane	2.68	64	110822	50.129	ug/l	98
7) Trichlorofluoromethane	3.00	101	249621	44.661	ug/l	98
8) Diethyl Ether	3.39	74	119251	46.565	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	190906	47.374	ug/l	99
10) Methyl Iodide	3.93	142	141492	41.902	ug/l	100
11) Tert butyl alcohol	4.75	59	179178	216.962	ug/l	98
12) 1,1-Dichloroethene	3.72	96	152083	49.728	ug/l	94
13) Acrolein	3.58	56	42922	350.704	ug/l	95
14) Allyl chloride	4.30	41	308647	46.807	ug/l	98
15) Acrylonitrile	4.95	53	524423	238.342	ug/l	99
16) Acetone	3.79	43	638993	271.147	ug/l	100
17) Carbon Disulfide	4.03	76	195188	45.369	ug/l	100
18) Methyl Acetate	4.30	43	276122	44.528	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	737861	48.547	ug/l	98
20) Methylene Chloride	4.52	84	206901	50.147	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	161737	48.523	ug/l	98
22) Diisopropyl ether	5.92	45	815208	48.669	ug/l	95
23) Vinyl Acetate	5.87	43	2939190	256.442	ug/l	99
24) 1,1-Dichloroethane	5.82	63	423919	47.419	ug/l	99
25) 2-Butanone	6.81	43	809850	252.241	ug/l	98
26) 2,2-Dichloropropane	6.80	77	359653	47.421	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	242788	48.030	ug/l	99
28) Bromochloromethane	7.17	49	212597	50.270	ug/l	100
29) Tetrahydrofuran	7.19	42	438176	221.563	ug/l	99
30) Chloroform	7.35	83	460843	47.890	ug/l	98
31) Cyclohexane	7.63	56	280137	48.400	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	362283	49.453	ug/l	100
36) 1,1-Dichloropropene	7.77	75	271047	44.540	ug/l	99
37) Ethyl Acetate	6.90	43	290467	45.993	ug/l	100
38) Carbon Tetrachloride	7.76	117	285310	46.640	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	284265	48.315	ug/l	98
40) Benzene	8.02	78	874941	47.072	ug/l	100
41) Methacrylonitrile	7.16	41	155175m	48.796	ug/l	
42) 1,2-Dichloroethane	8.11	62	366826	47.033	ug/l	100
43) Isopropyl Acetate	8.15	43	536563	45.492	ug/l	99
44) Trichloroethene	8.82	130	216361	47.567	ug/l	99
45) 1,2-Dichloropropane	9.11	63	273637	49.296	ug/l	100
46) Dibromomethane	9.20	93	163598	48.476	ug/l	98
47) Bromodichloromethane	9.39	83	357906	50.622	ug/l	98
48) Methyl methacrylate	9.19	41	258243	48.222	ug/l	99
49) 1,4-Dioxane	9.19	88	80857	919.626	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1618102	258.284	ug/l	100
52) Toluene	10.15	92	568295	48.786	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	375497	51.848	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	410850	51.382	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257894	49.888	ug/l	99
56) Ethyl methacrylate	10.43	69	380213	50.976	ug/l	100
57) 1,3-Dichloropropane	10.70	76	432564	48.674	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	933465	262.745	ug/l	100
59) 2-Hexanone	10.75	43	1253886	269.489	ug/l	99
60) Dibromochloromethane	10.90	129	263416	52.966	ug/l	100
61) 1,2-Dibromoethane	11.00	107	236829	49.435	ug/l	100
64) Tetrachloroethene	10.63	164	173930	46.059	ug/l	96
65) Chlorobenzene	11.43	112	663815	48.719	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	254881	51.589	ug/l	99
67) Ethyl Benzene	11.51	91	1194560	51.165	ug/l	98
68) m/p-Xylenes	11.62	106	879263	99.993	ug/l	98
69) o-Xylene	11.95	106	437357	50.583	ug/l	99
70) Styrene	11.96	104	794319	53.319	ug/l	99
71) Bromoform	12.13	173	166027	45.662	ug/l #	99
73) Isopropylbenzene	12.25	105	1245900	51.432	ug/l	98
74) N-amyl acetate	12.07	43	517594	51.075	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	391903	48.311	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	350374m	50.587	ug/l	
77) Bromobenzene	12.53	156	297178	48.770	ug/l	98
78) n-propylbenzene	12.59	91	1487673	54.044	ug/l	99
79) 2-Chlorotoluene	12.68	91	885136	51.451	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1084183	52.927	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	105138	45.736	ug/l	99
82) 4-Chlorotoluene	12.78	91	930445	51.452	ug/l	99
83) tert-Butylbenzene	13.00	119	961855	52.654	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1105425	54.227	ug/l	100
85) sec-Butylbenzene	13.17	105	1300731	54.451	ug/l	100
86) p-Isopropyltoluene	13.29	119	1175687	55.361	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	581149	52.217	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	581601	51.187	ug/l	99
89) n-Butylbenzene	13.62	91	1102419	54.754	ug/l	99
90) Hexachloroethane	13.88	117	179466	48.294	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	571004	51.146	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72396	49.572	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	367912	51.579	ug/l	100
94) Hexachlorobutadiene	15.01	225	178032	51.639	ug/l	96
95) Naphthalene	15.13	128	943193	51.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	338452	50.201	ug/l	100

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

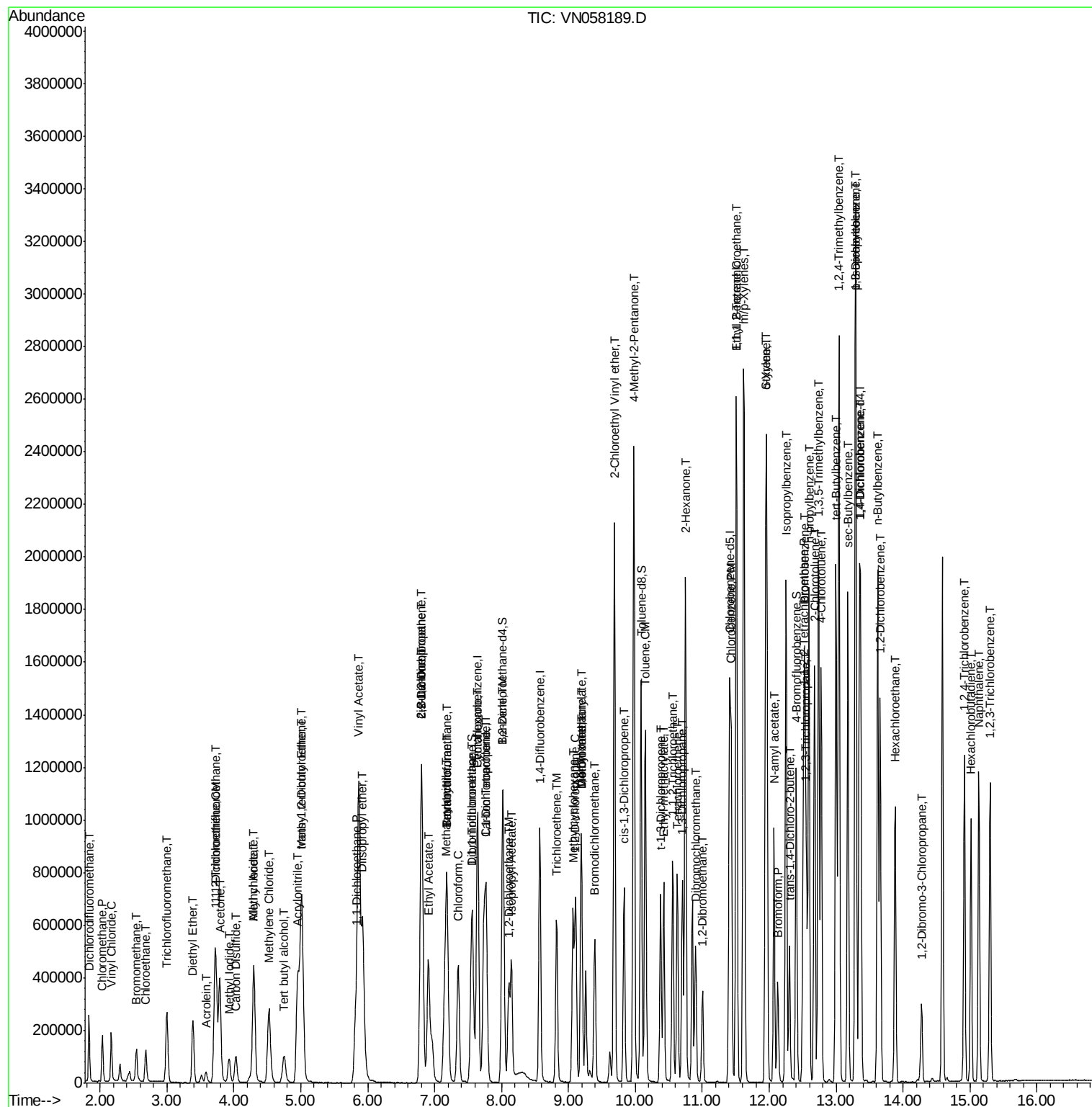
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
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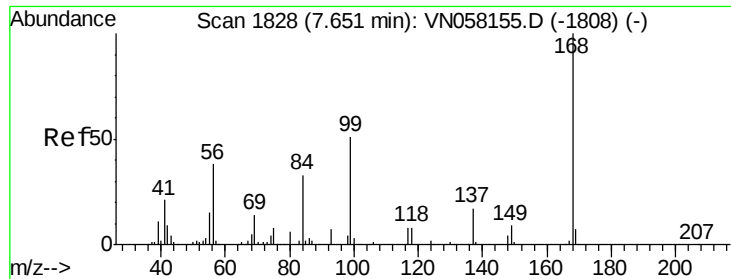
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 498469

Ion Ratio Lower Upper

168 100

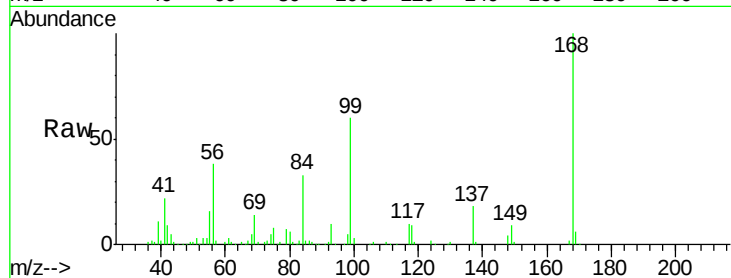
99 60.2 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

50000

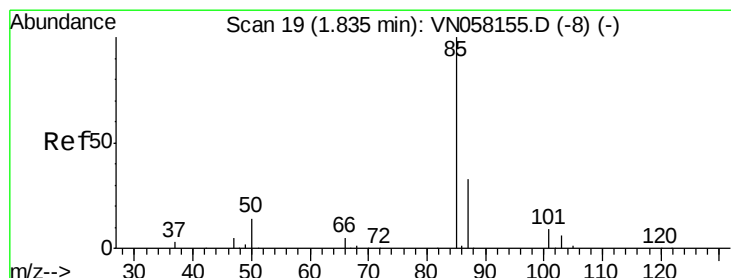
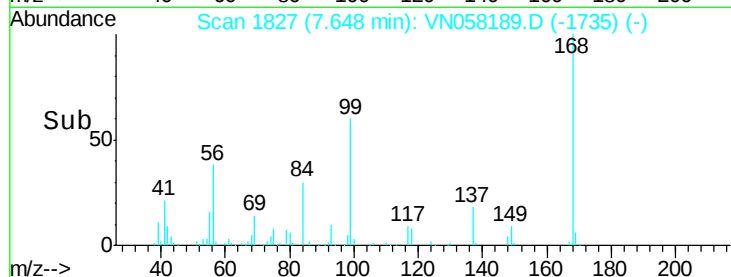
0

7.65

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.651 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058189.D

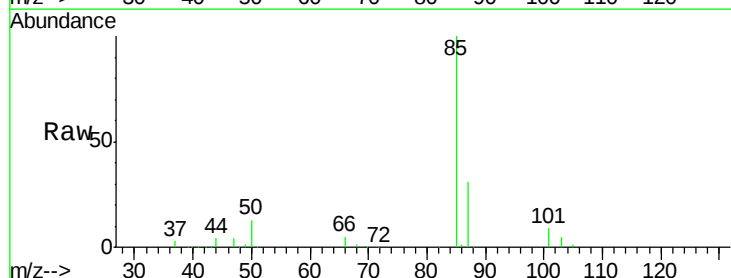
Acq: 19 Sep 2019 8:55

Tgt Ion: 85 Resp: 186931

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

50000

0

1.83

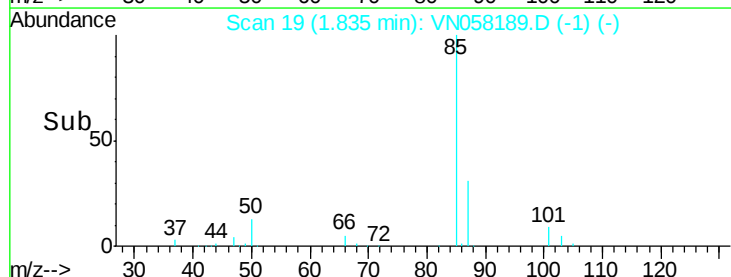
1.75

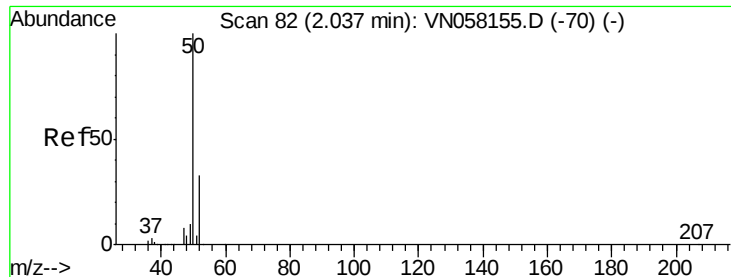
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 47.248 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 149308

Ion Ratio Lower Upper

50 100

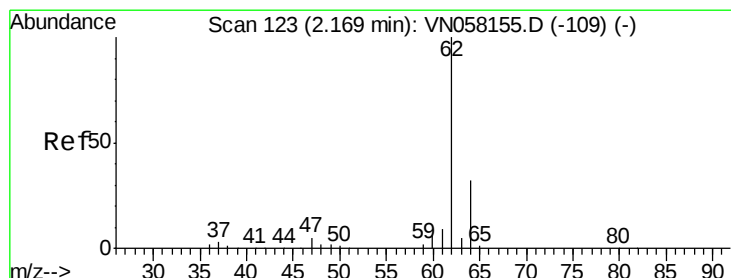
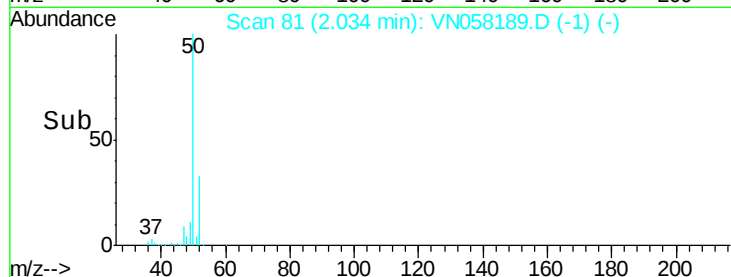
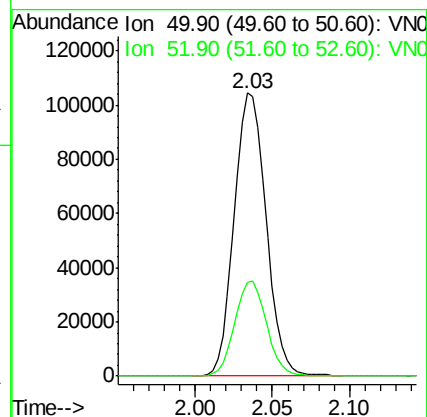
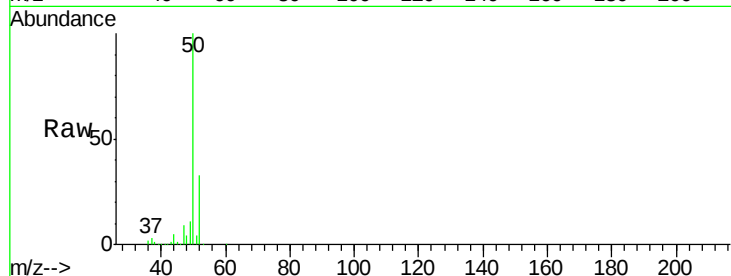
52 33.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.004 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058189.D

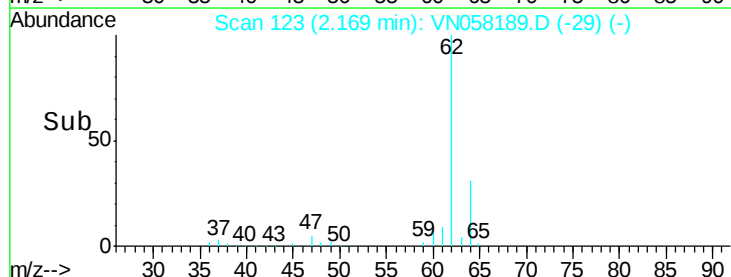
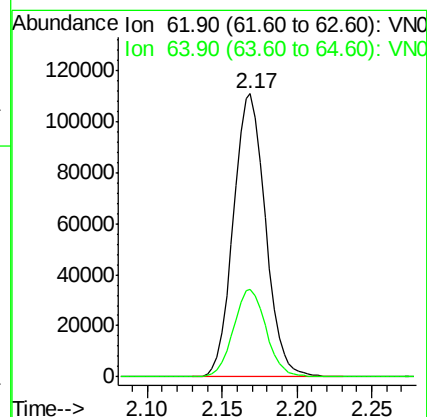
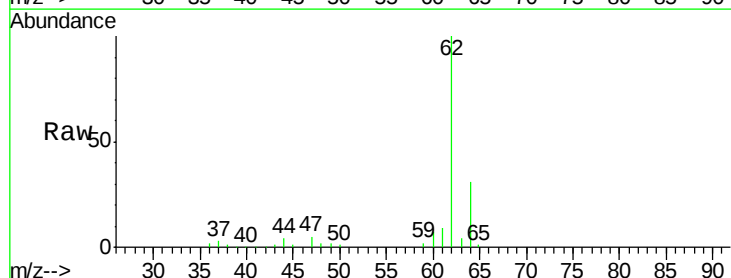
Acq: 19 Sep 2019 8:55

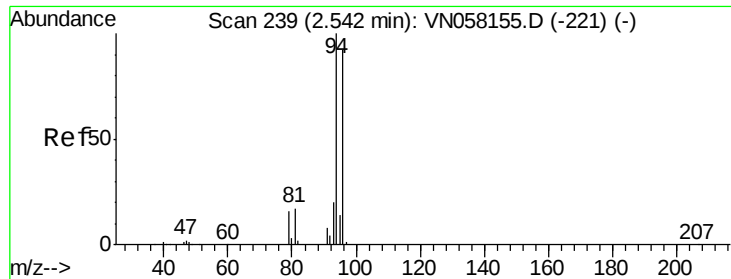
Tgt Ion: 62 Resp: 165811

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 43.978 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 80191

Ion Ratio Lower Upper

94 100

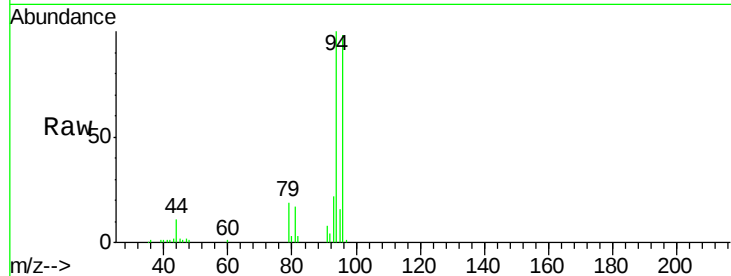
96 98.0 73.3 109.9

Manual Integrations

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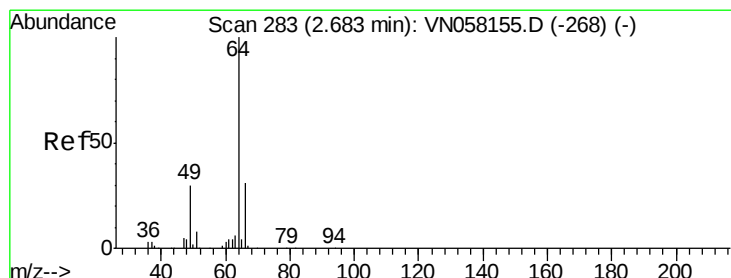
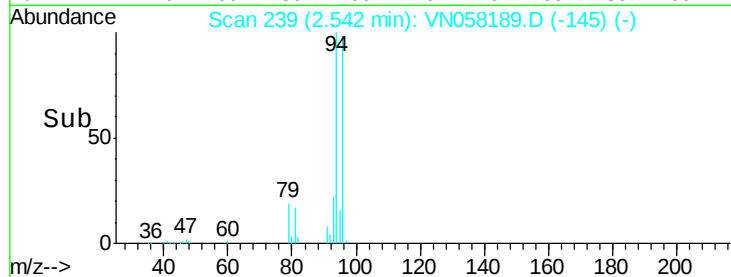
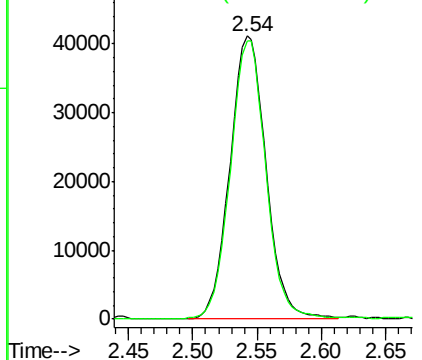
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.129 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058189.D

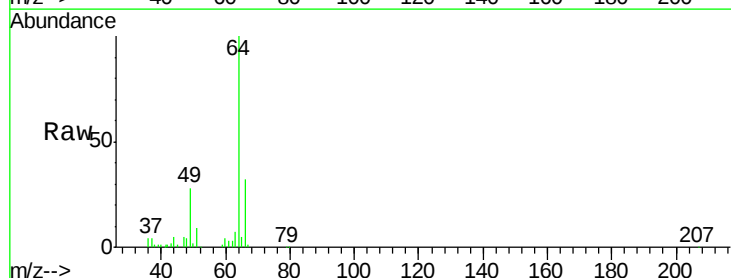
Acq: 19 Sep 2019 8:55

Tgt Ion: 64 Resp: 110822

Ion Ratio Lower Upper

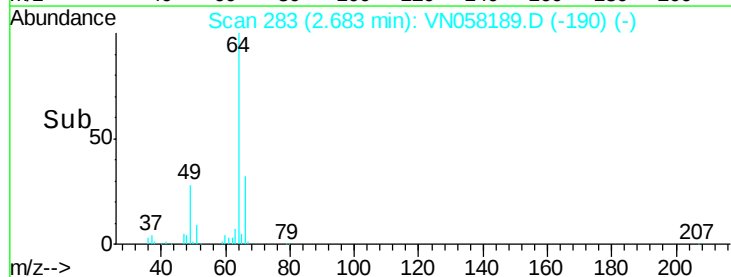
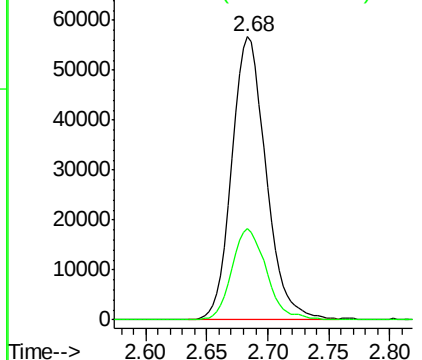
64 100

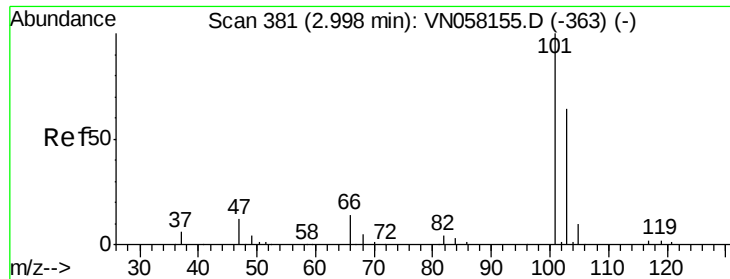
66 32.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

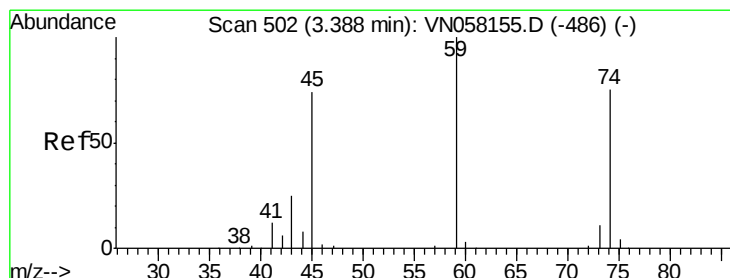
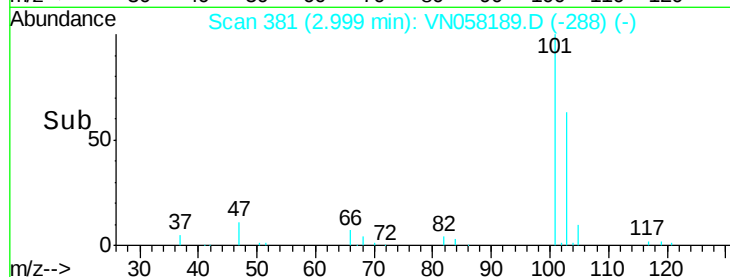
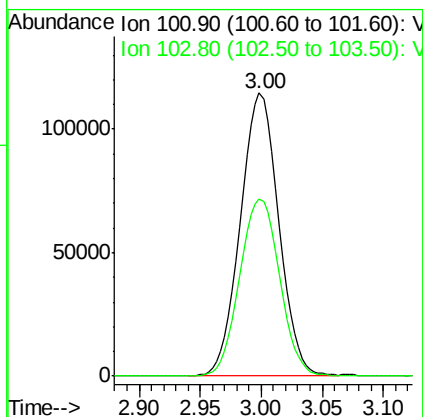
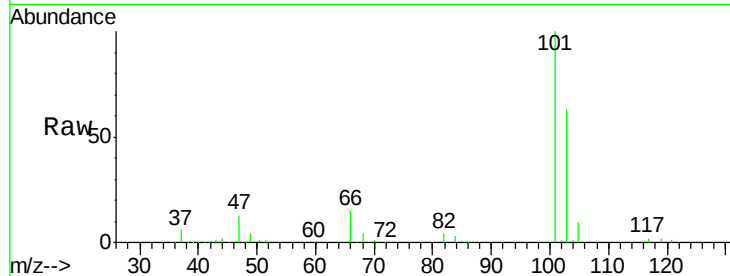
Trichlorofluoromethane
 Concen: 44.661 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.6

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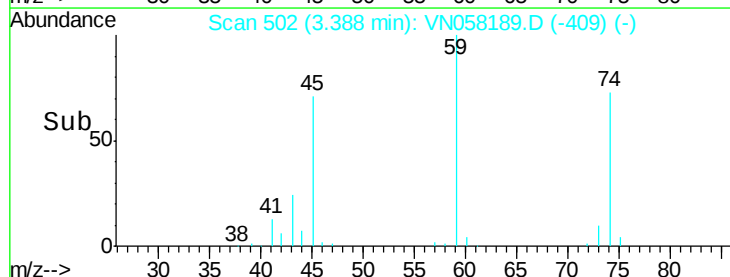
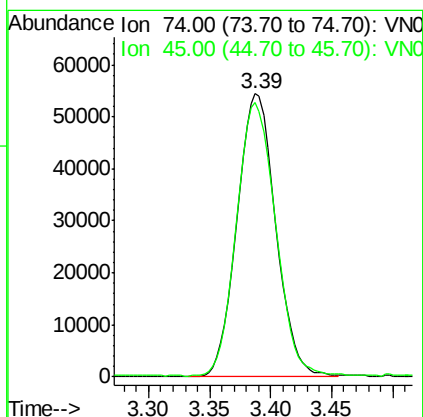
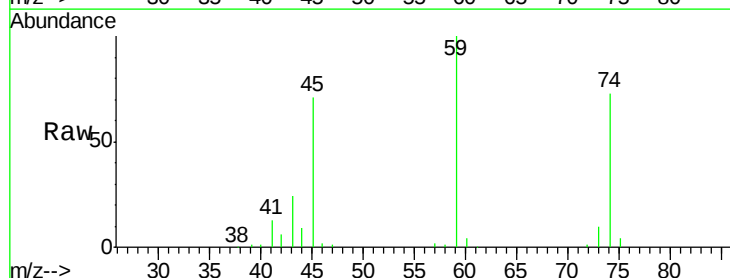
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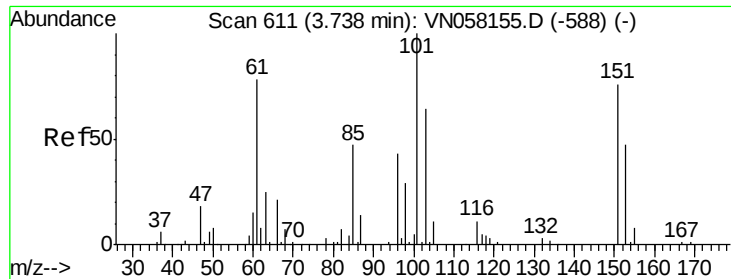


#8

Diethyl Ether
 Concen: 46.565 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058189.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	48.5	145.5





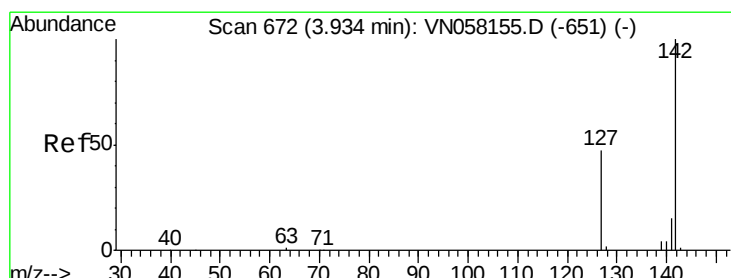
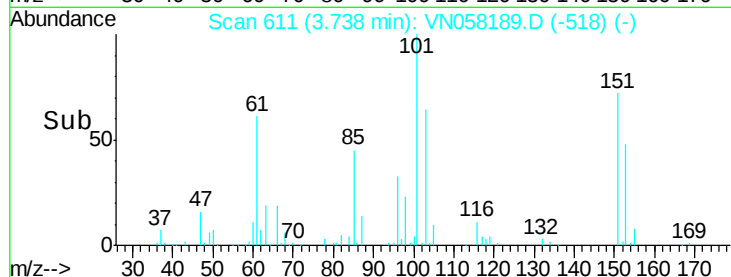
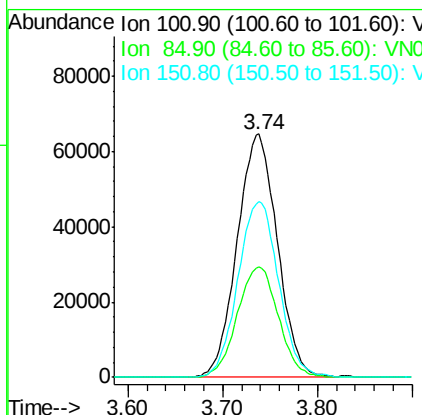
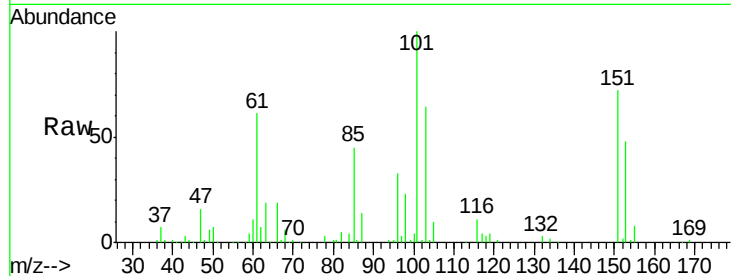
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.374 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	190906		
85	46.5	37.3	55.9	
151	73.2	59.6	89.4	

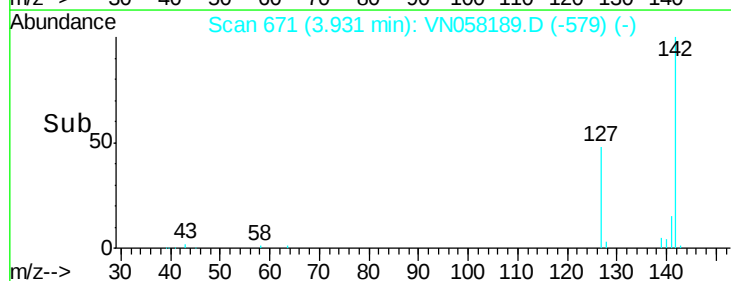
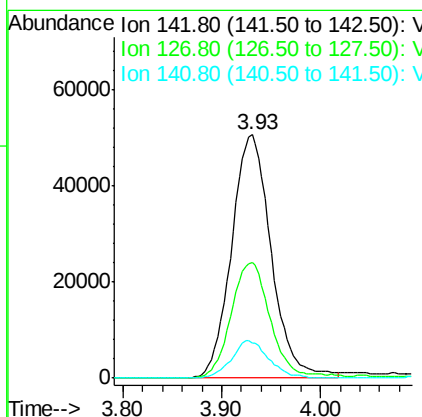
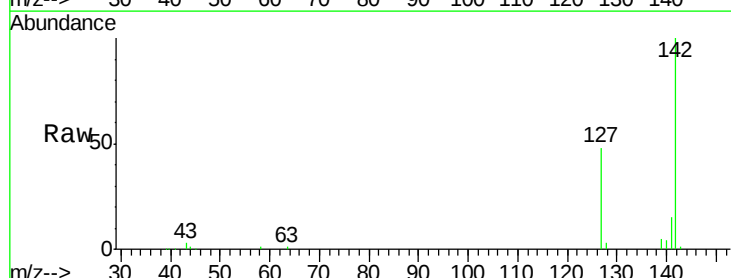
Manual Integrations
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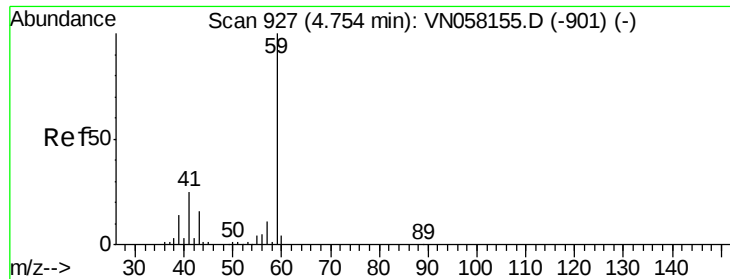
MMDadoda
9/20/2019 3:37:14 PM



#10
Methyl Iodide
Concen: 41.902 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	141492		
127	46.9	37.5	56.3	
141	14.4	11.4	17.2	





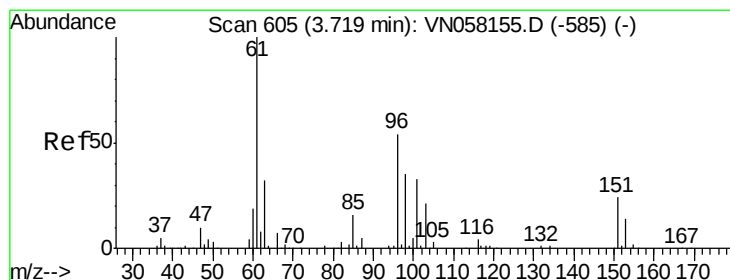
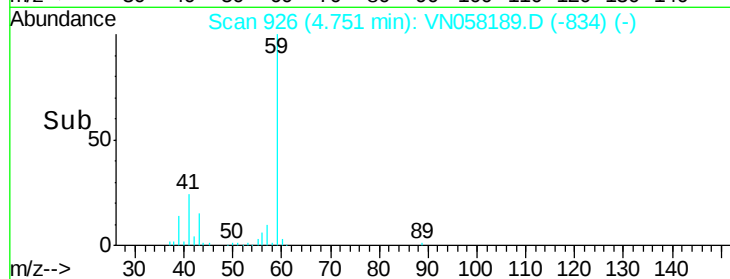
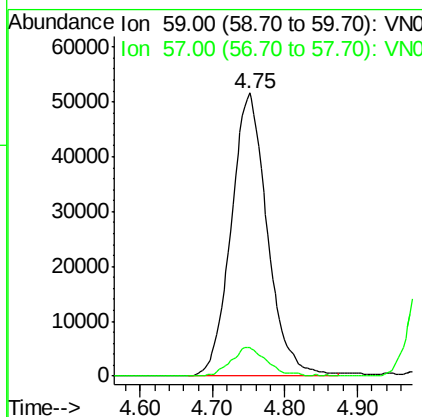
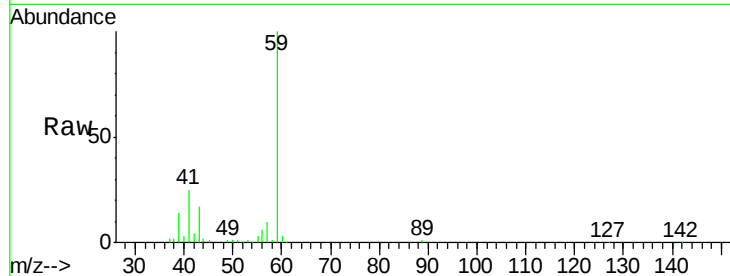
#11
Tert butyl alcohol
Concen: 216.962 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	179178
Ion Ratio	100	Lower	Upper
57	10.0	8.6	13.0

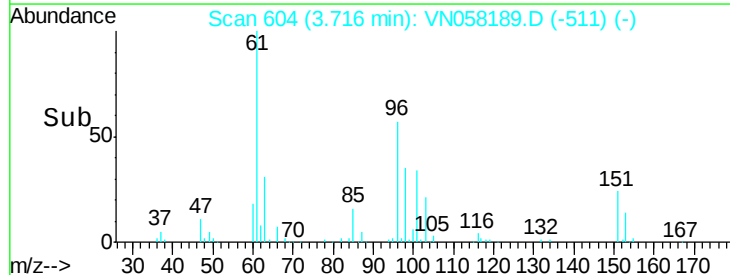
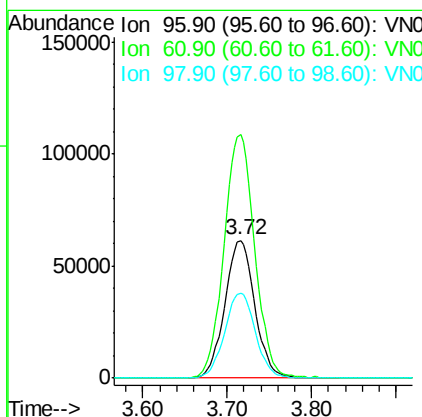
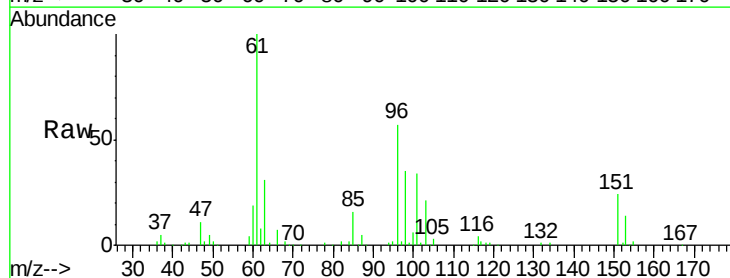
Manual Integrations
APPROVED

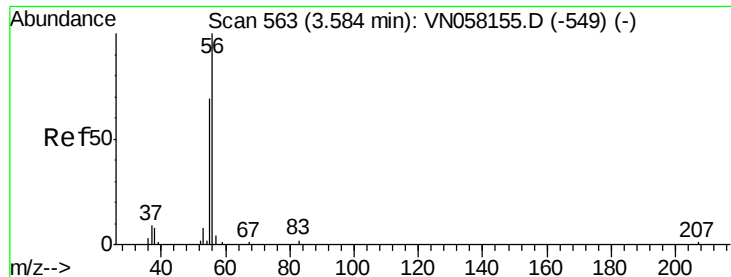
MMDadoda
9/20/2019 3:37:14 PM



#12
1,1-Dichloroethene
Concen: 49.728 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	96	Resp	152083
Ion Ratio	100	Lower	Upper
61	176.5	149.5	224.3
98	61.9	52.4	78.6





#13

Acrolein

Concen: 350.704 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 42922

Ion Ratio Lower Upper

56 100

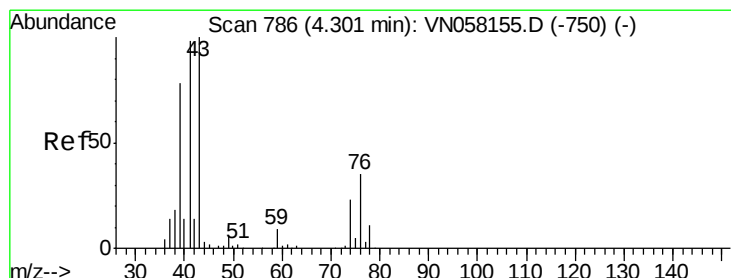
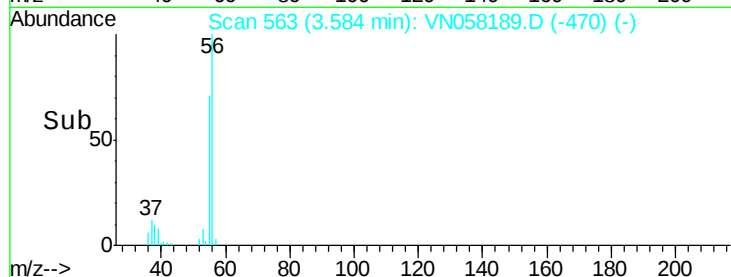
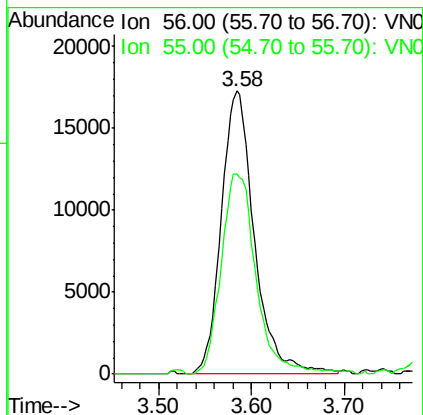
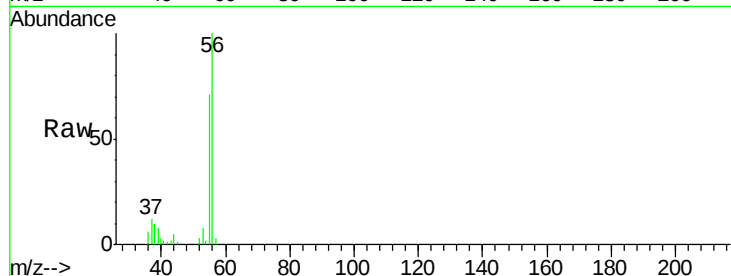
55 73.9 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 46.807 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

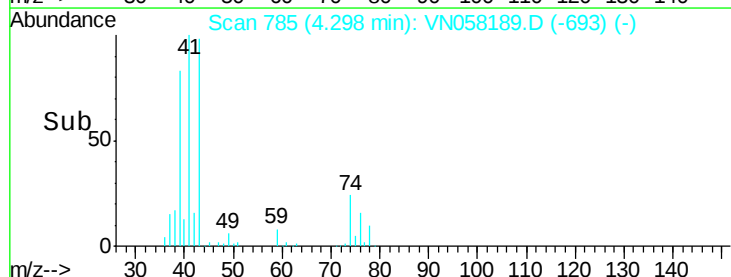
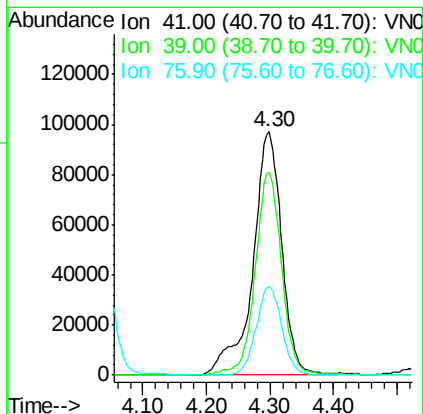
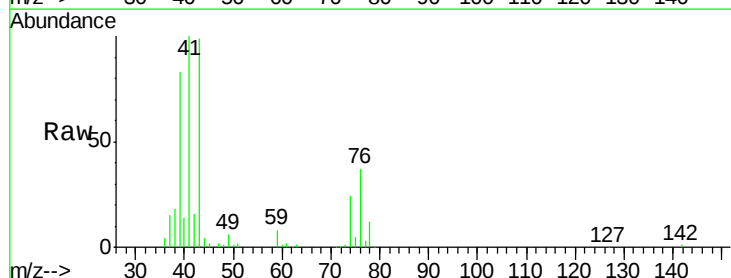
Tgt Ion: 41 Resp: 308647

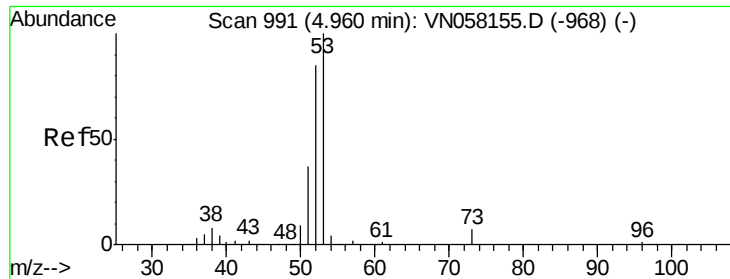
Ion Ratio Lower Upper

41 100

39 75.6 59.1 88.7

76 32.1 25.1 37.7





#15

Acrylonitrile

Concen: 238.342 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

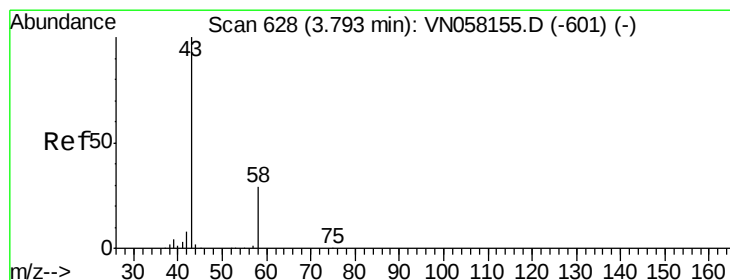
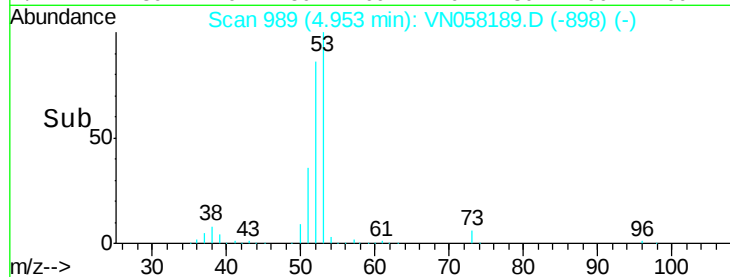
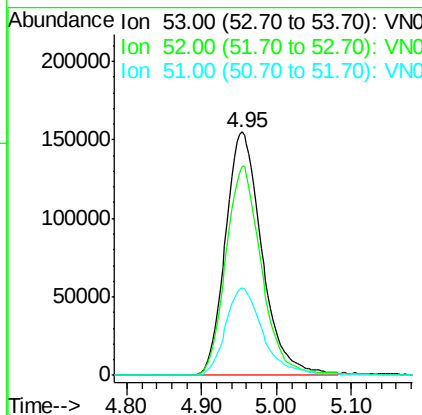
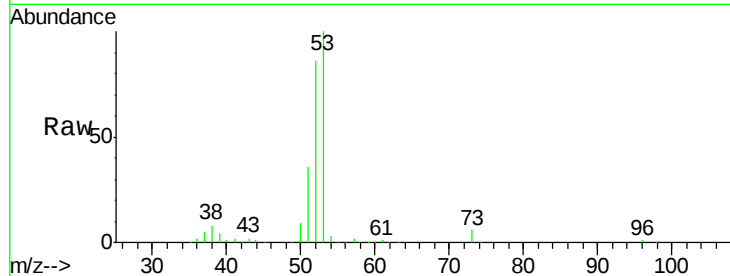
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	524423
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.6	100.0
51	36.9	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 271.147 ug/l

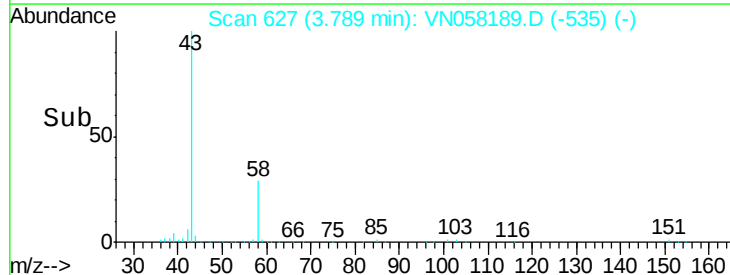
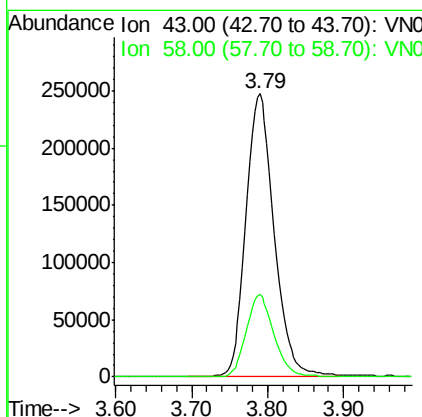
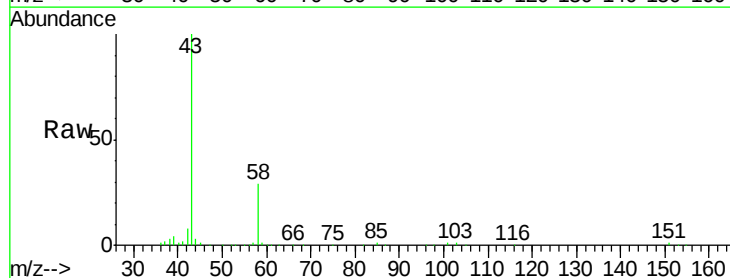
RT: 3.79 min Scan# 627

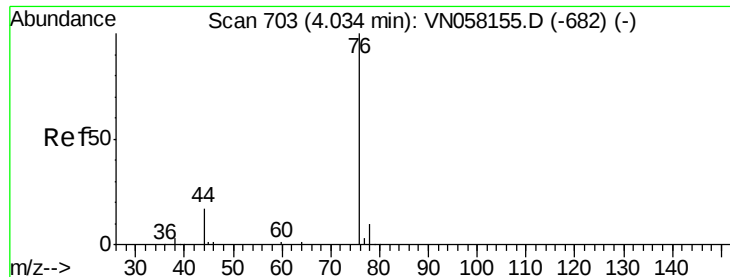
Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Tgt Ion:	43	Resp:	638993
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.4	35.2





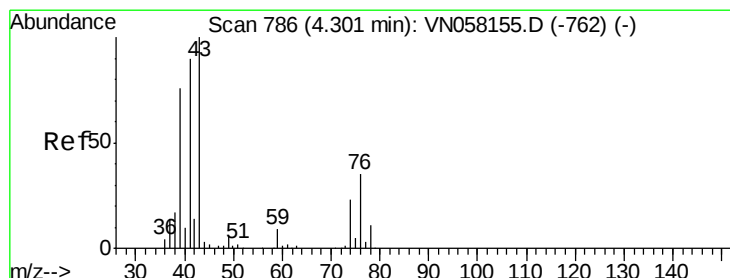
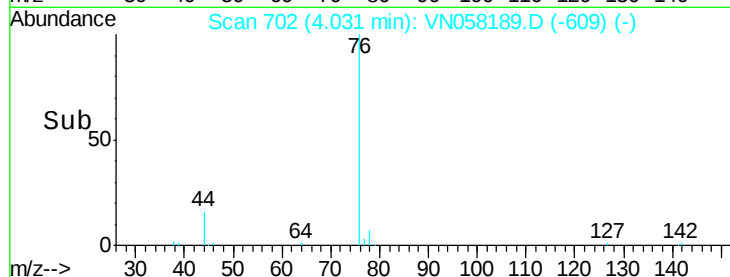
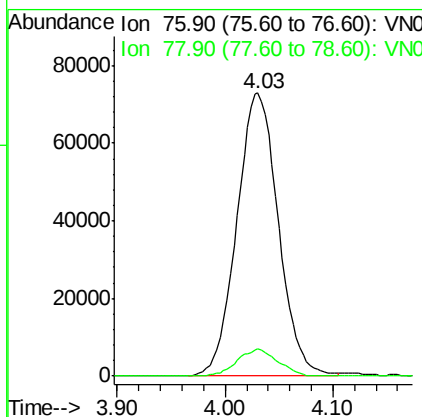
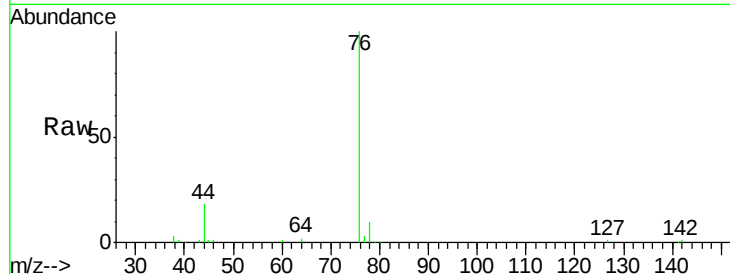
#17
Carbon Disulfide
Concen: 45.369 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.7	11.5

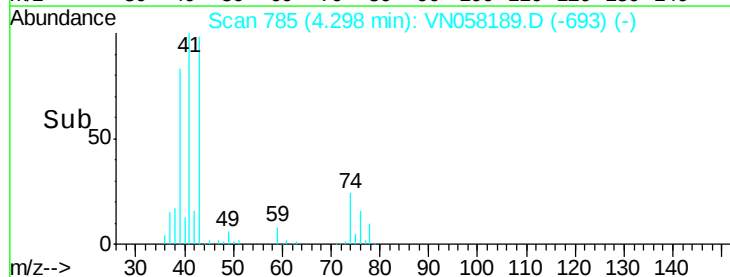
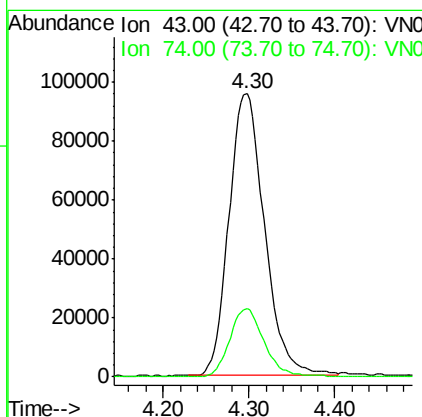
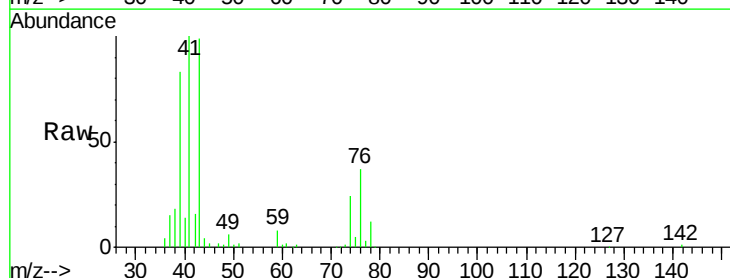
Manual Integrations
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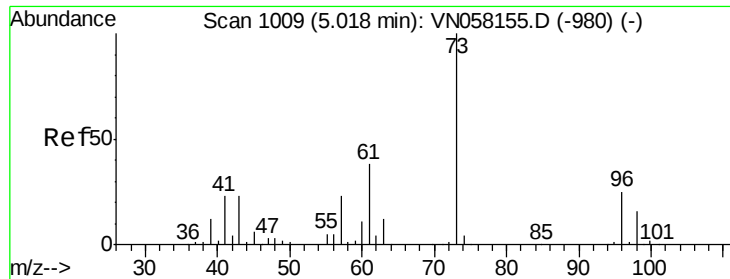
MMDadoda
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#18
Methyl Acetate
Concen: 44.528 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.0	27.0





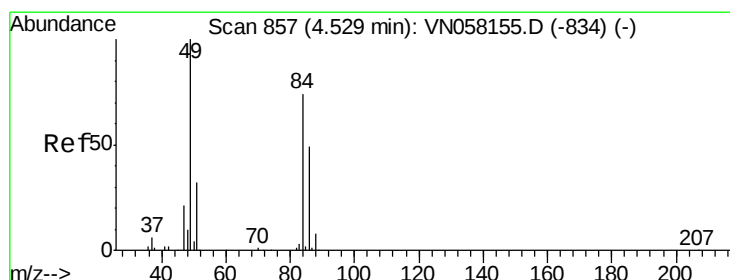
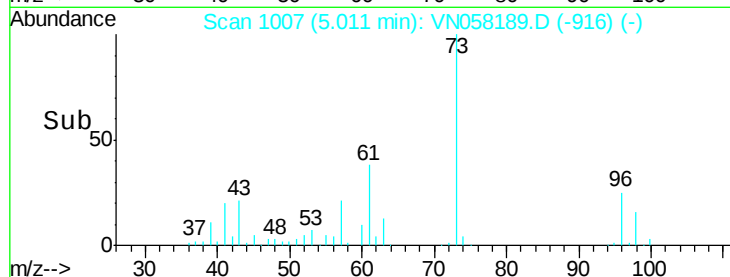
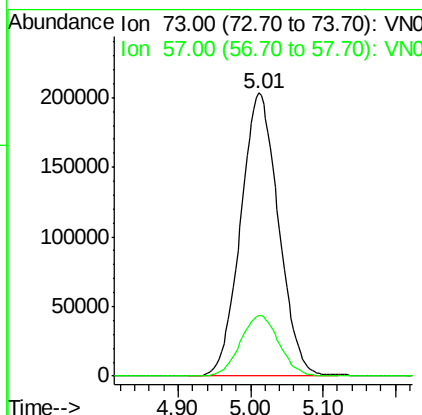
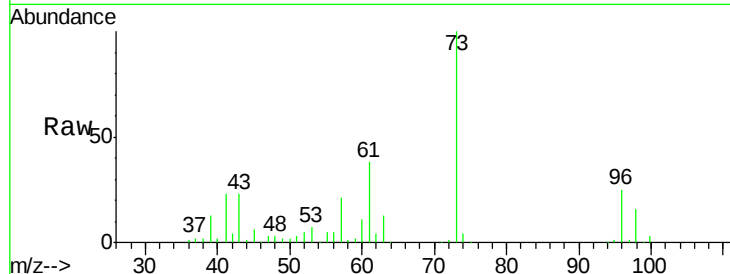
#19
Methvl tert-butvl Ether
Concen: 48.547 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 737861
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1

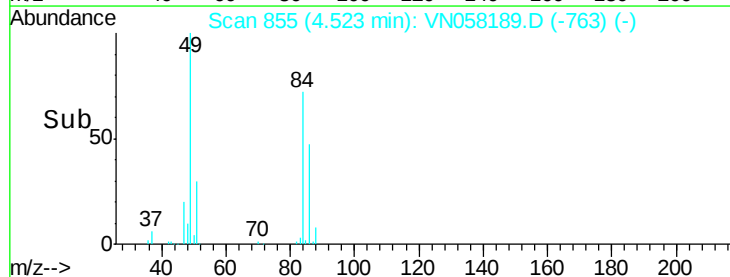
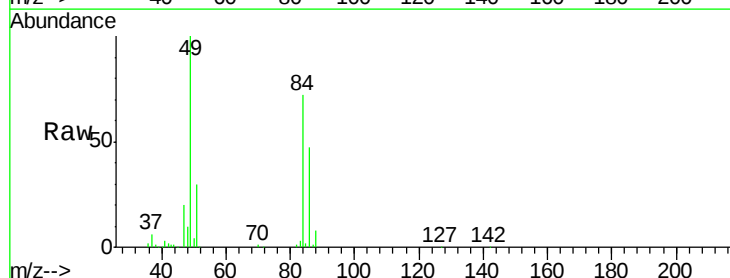
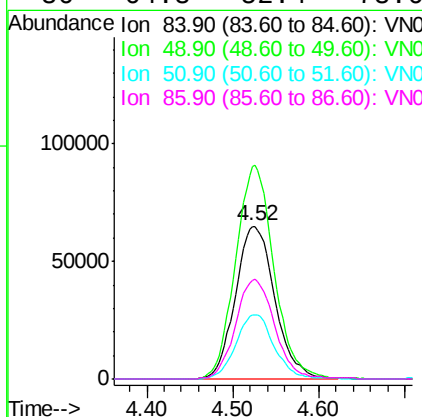
Manual Integrations
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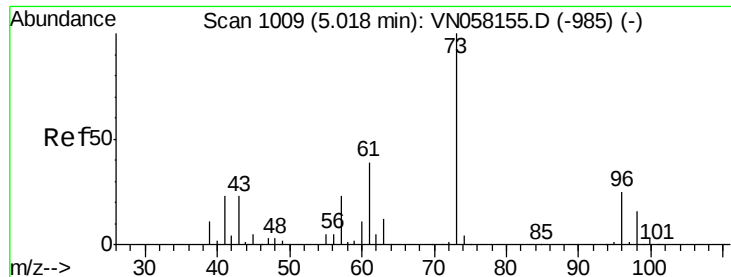
MMDadoda
9/20/2019 3:37:14 PM



#20
Methylene Chloride
Concen: 50.147 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 84 Resp: 206901
Ion Ratio Lower Upper
84 100
49 139.0 107.5 161.3
51 42.0 33.9 50.9
86 64.8 52.4 78.6





#21

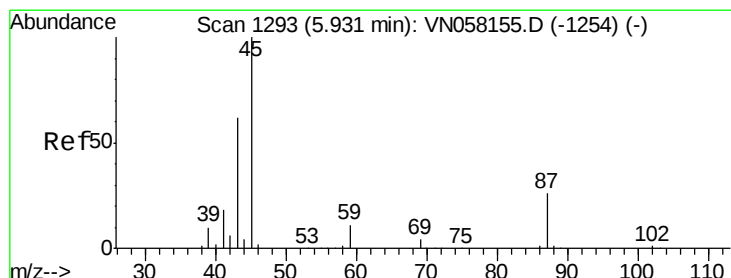
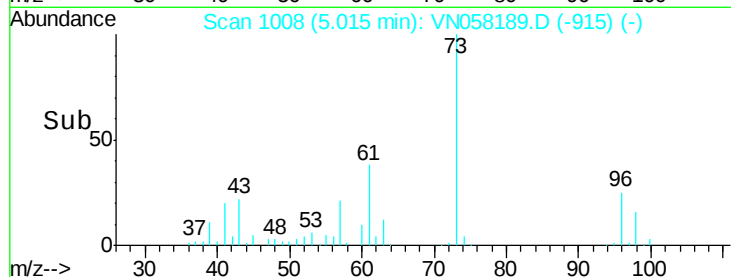
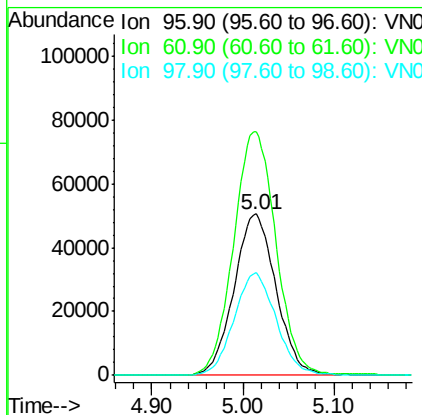
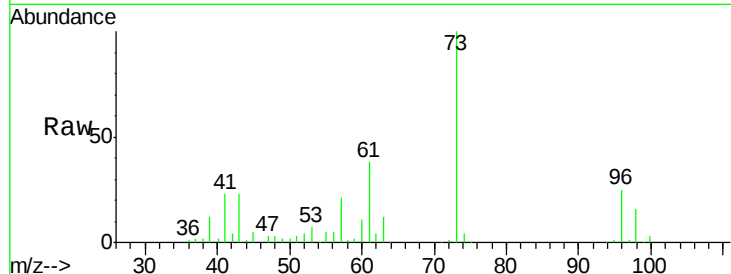
trans-1,2-Dichloroethene
Concen: 48.523 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.4	122.2	183.4
98	63.6	49.9	74.9

Manual Integrations
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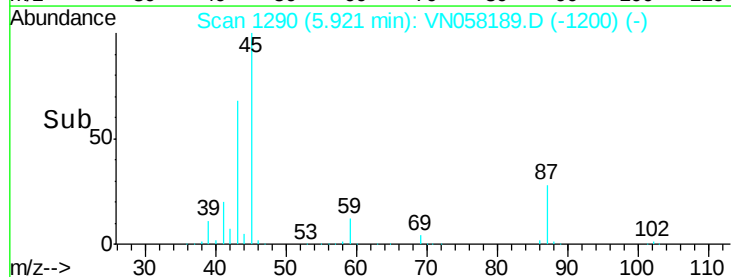
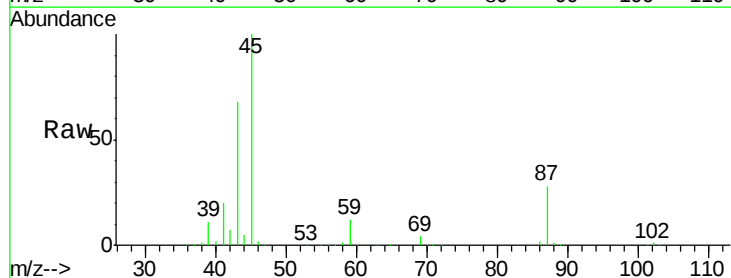
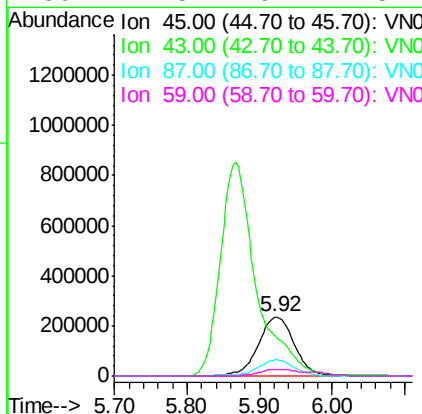
MMDadoda
9/20/2019 3:37:14 PM

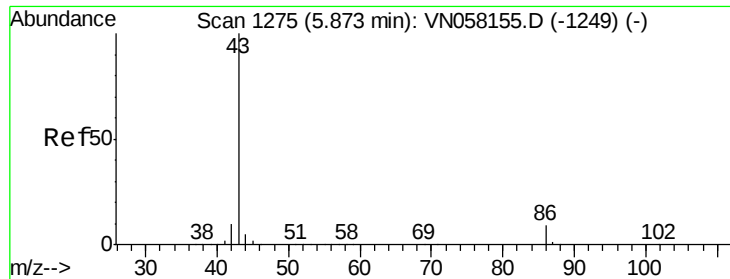


#22

Diisopropyl ether
Concen: 48.669 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.01 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.3	49.7	74.5
87	27.3	20.7	31.1
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 256.442 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2939190

Ion Ratio Lower Upper

43 100

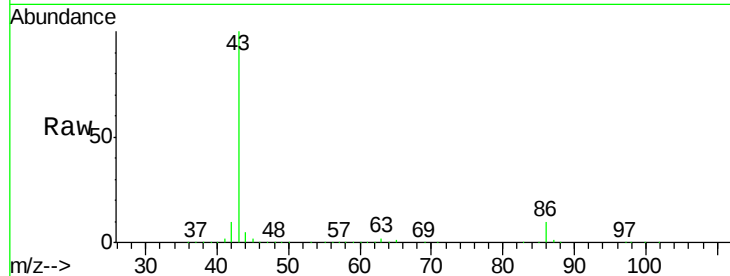
86 9.6 7.4 11.2

Manual Integrations

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MMDadoda

9/20/2019 3:37:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

800000

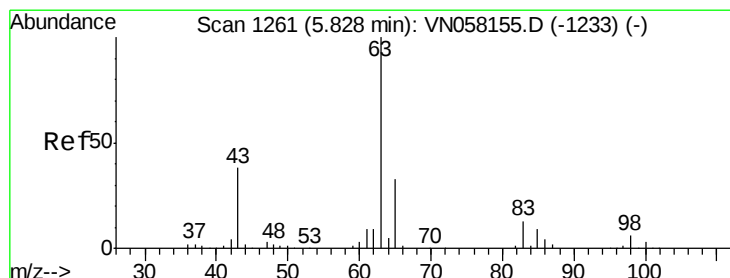
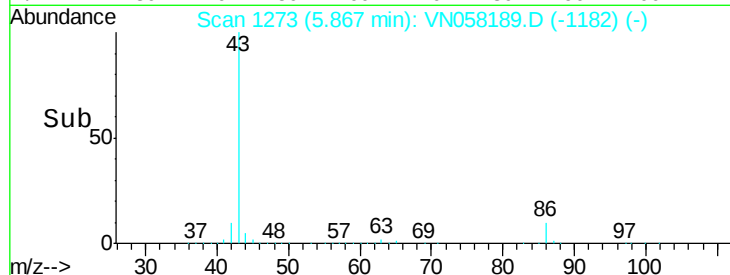
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.419 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

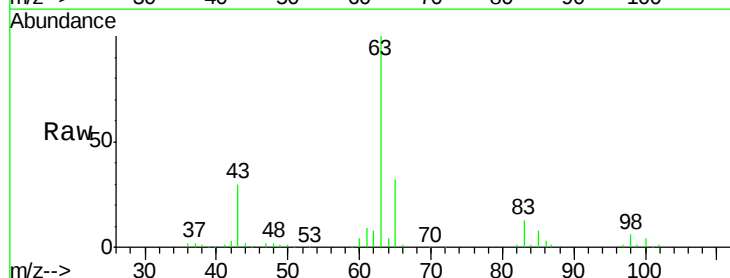
Tgt Ion: 63 Resp: 423919

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 3.9 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

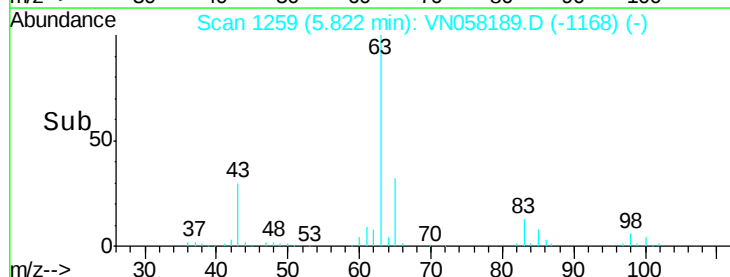
150000

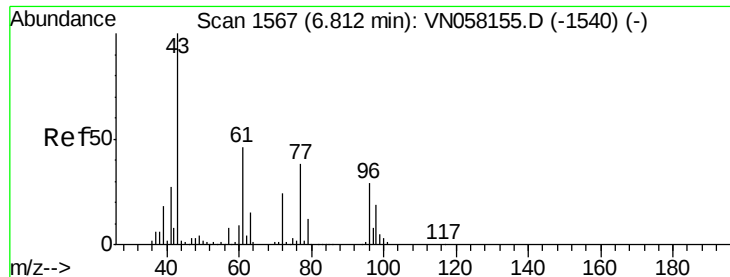
100000

50000

0

Time-->





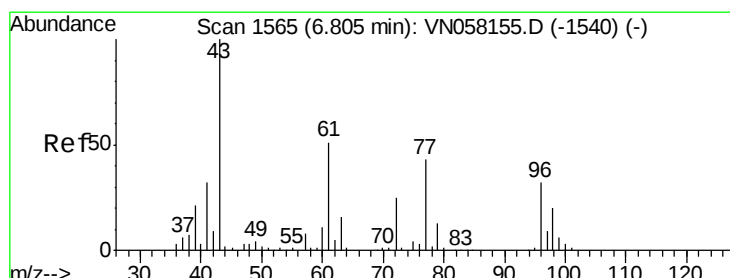
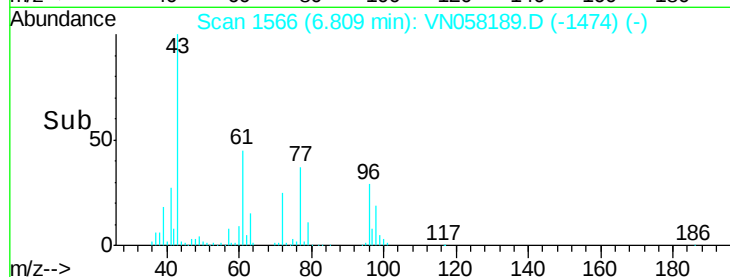
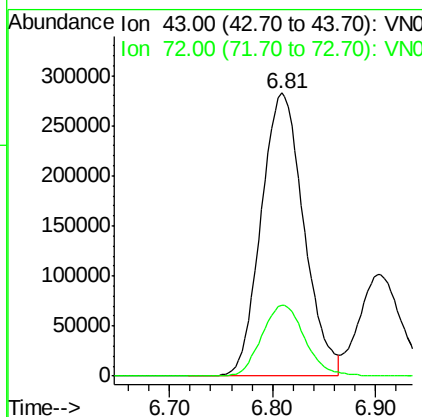
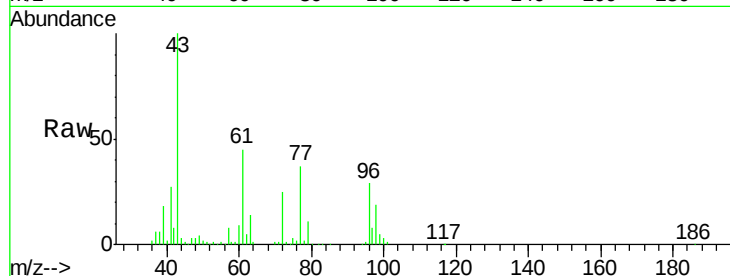
#25
2-Butanone
Concen: 252.241 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 809850
Ion Ratio Lower Upper
43 100
72 25.3 19.5 29.3

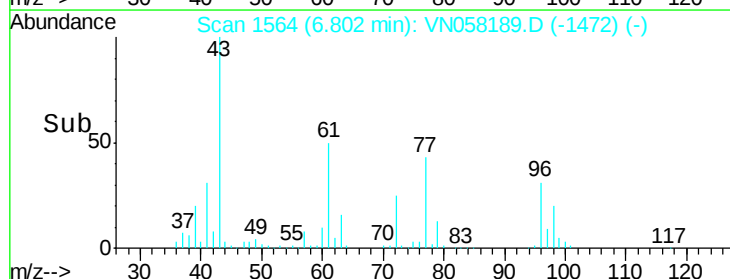
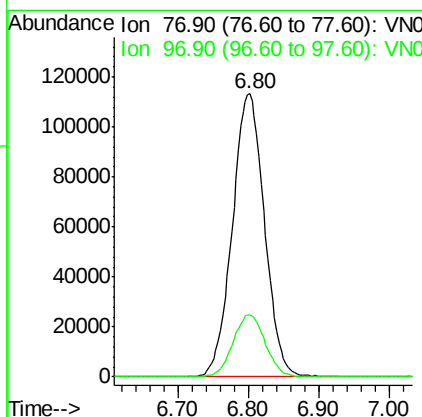
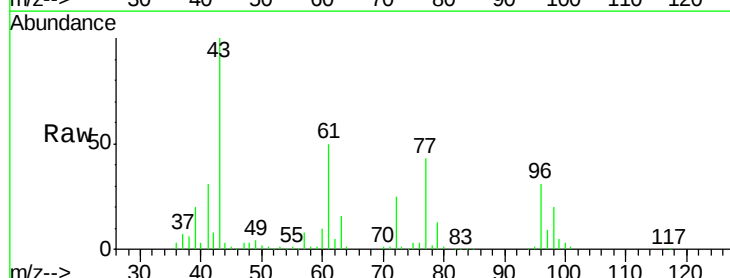
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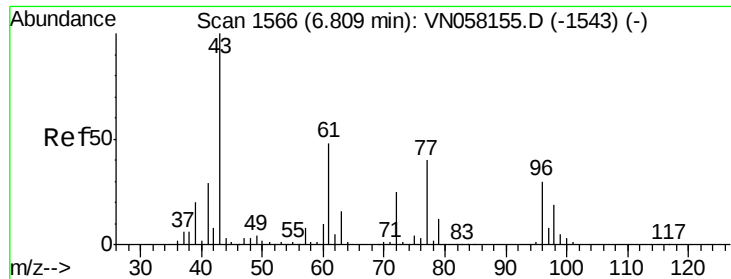
MMDadoda
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#26
2,2-Dichloropropane
Concen: 47.421 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 77 Resp: 359653
Ion Ratio Lower Upper
77 100
97 22.0 10.5 31.6





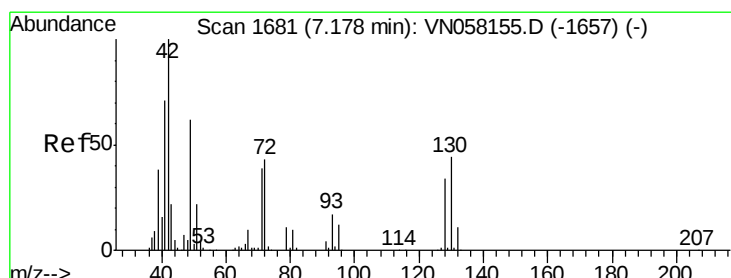
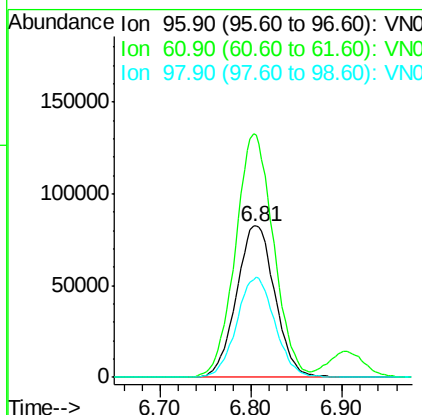
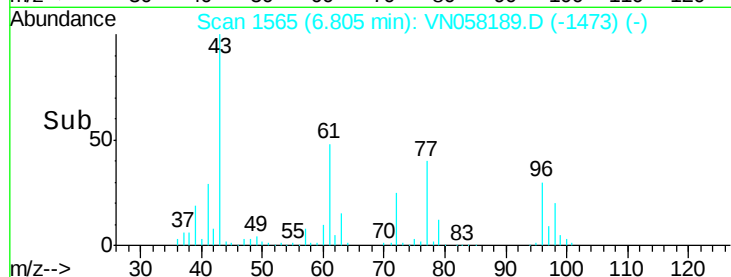
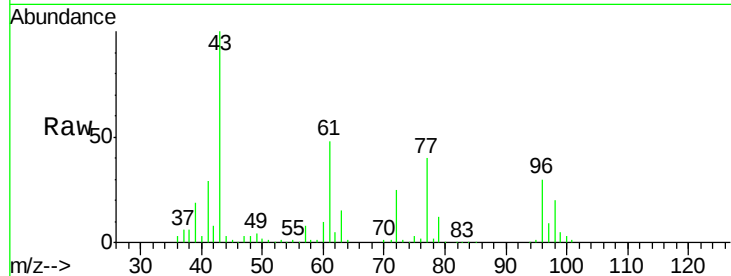
#27
 cis-1,2-Dichloroethene
 Concen: 48.030 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	242788		
61	159.2	0.0	319.0	
98	65.3	0.0	126.6	

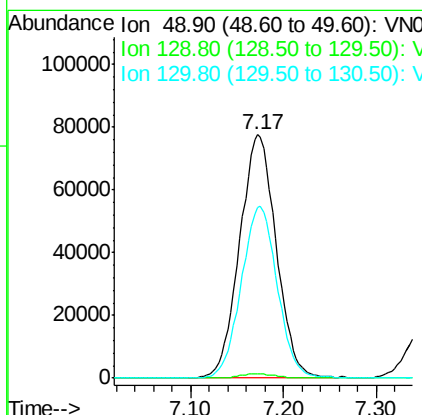
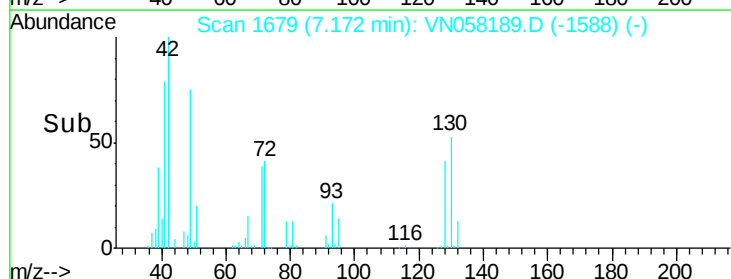
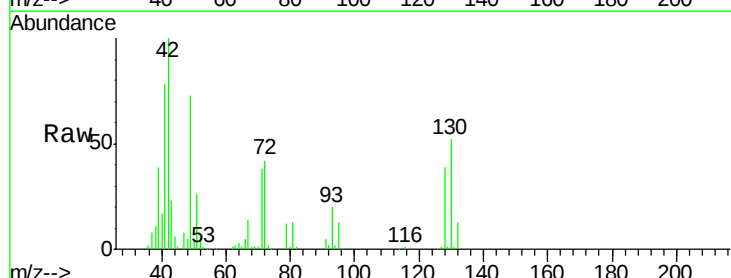
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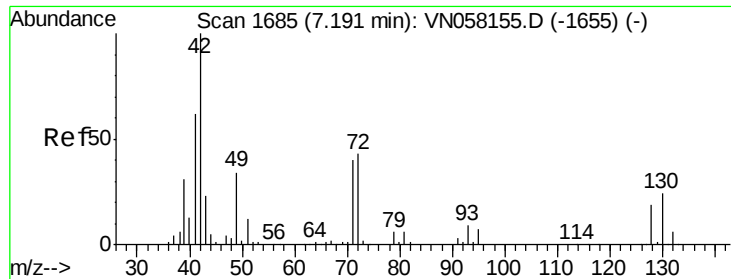
MMDadoda
 9/20/2019 3:37:14 PM



#28
 Bromochloromethane
 Concen: 50.270 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	212597		
129	1.8	0.0	1.8	
130	69.5	55.4	83.2	





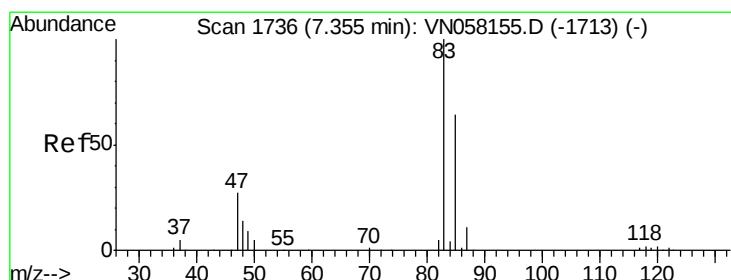
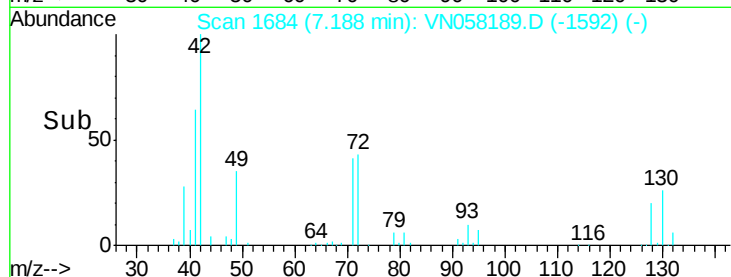
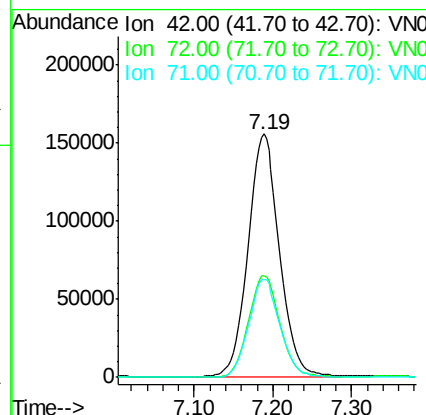
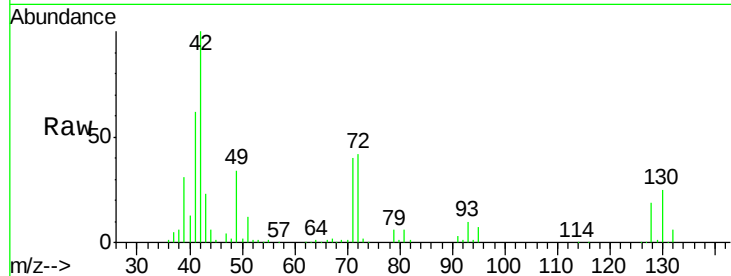
#29
Tetrahydrofuran
Concen: 221.563 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	40.3	31.4	47.0

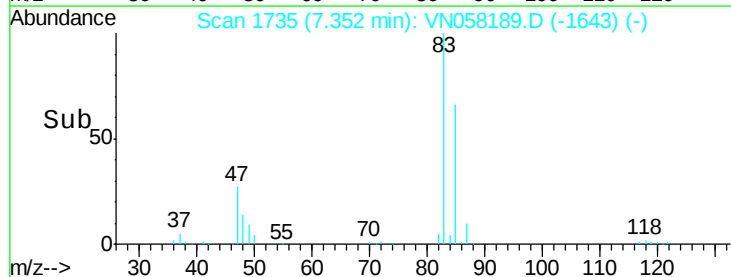
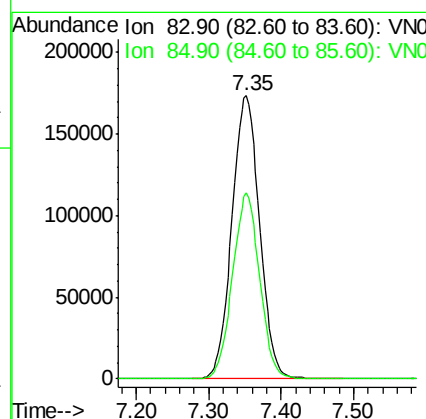
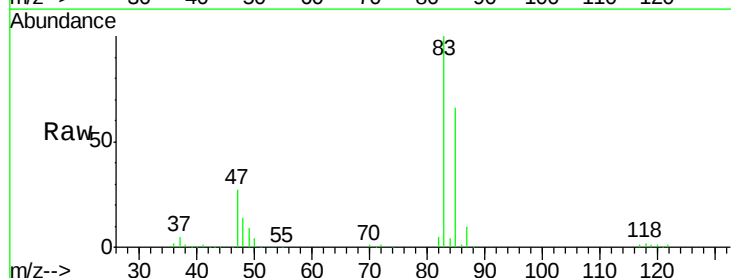
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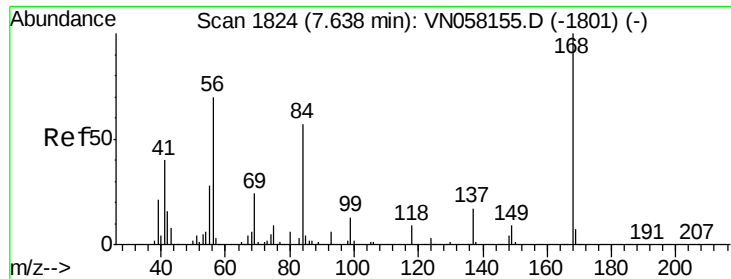
MMDadoda
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#30
Chloroform
Concen: 47.890 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2





#31

Cyclohexane

Concen: 48.400 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 280137
Ion Ratio Lower Upper

56 100

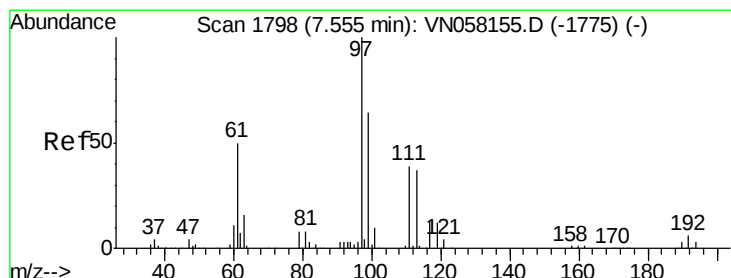
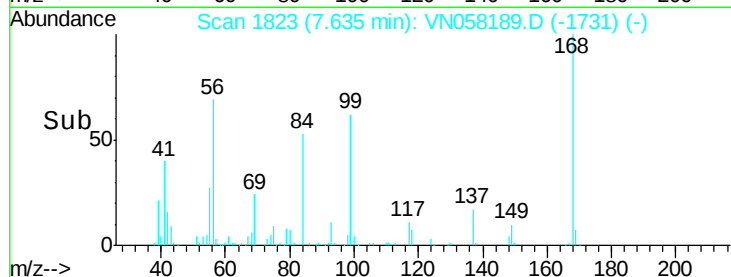
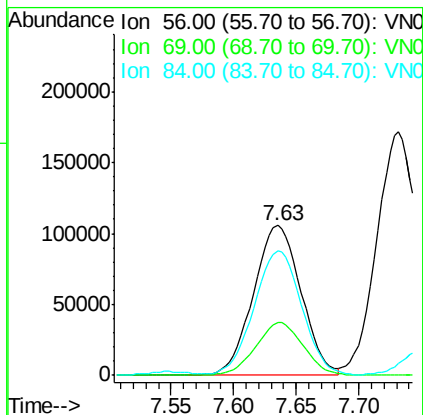
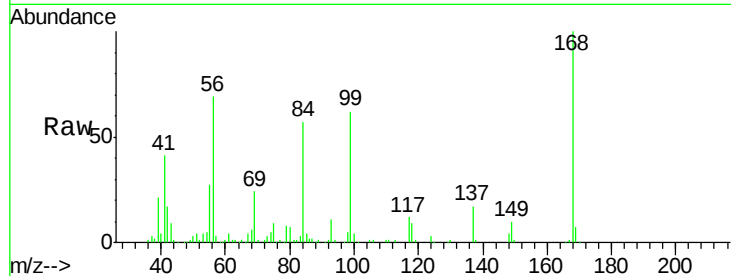
69 34.9 27.3 40.9

84 81.4 65.0 97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.453 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058189.D

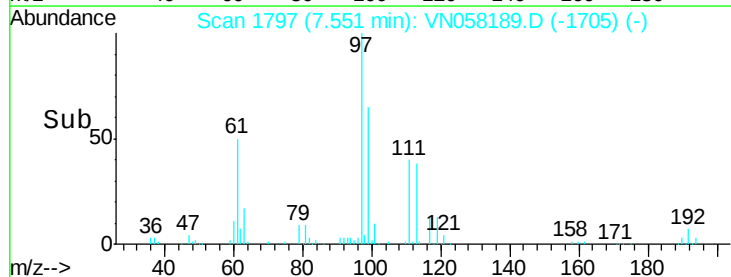
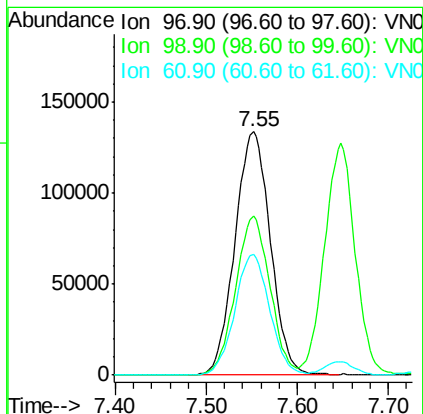
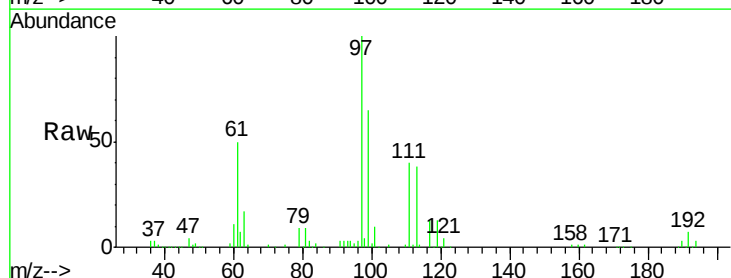
Acq: 19 Sep 2019 8:55

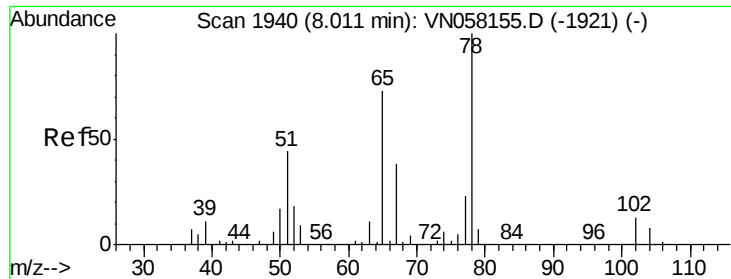
Tgt Ion: 97 Resp: 362283
Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 48.9 39.2 58.8





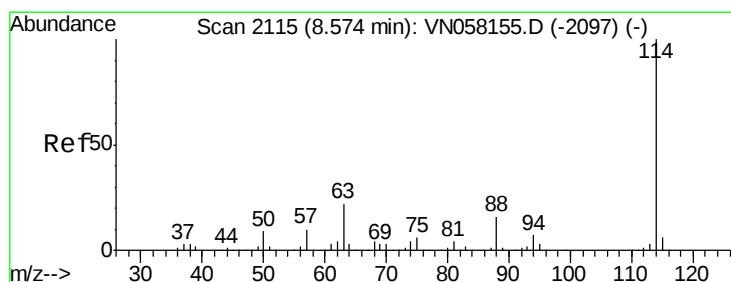
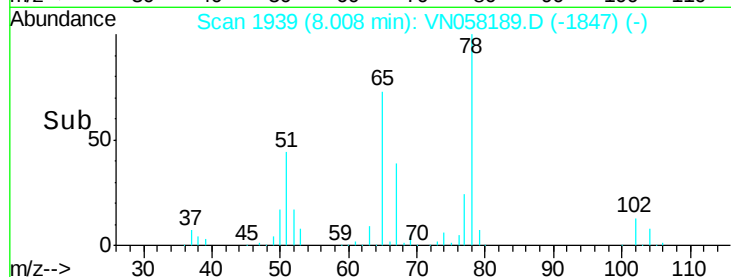
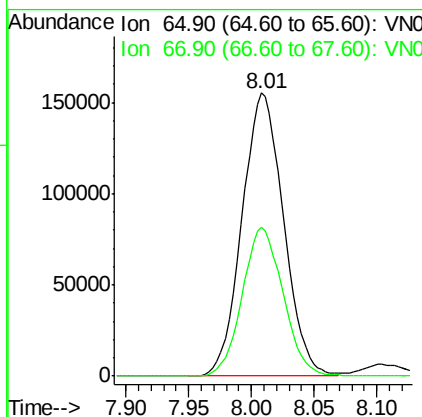
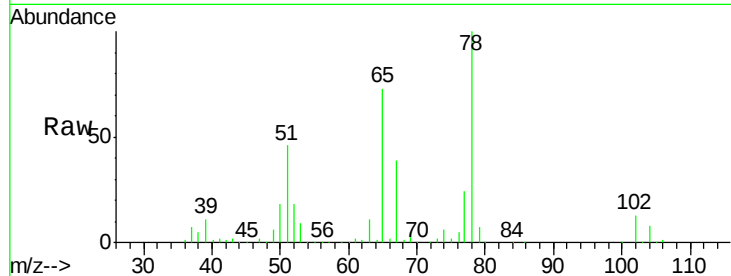
#33
 1,2-Dichloroethane-d4
 Concen: 51.611 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.7	0.0	103.4	

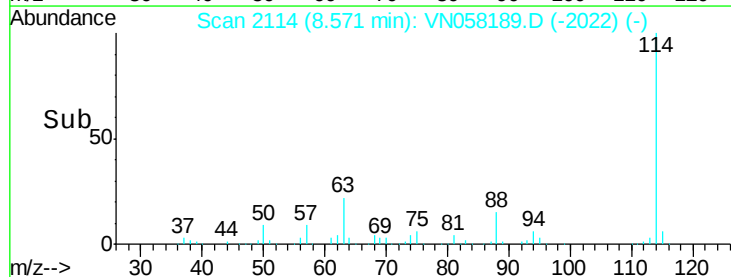
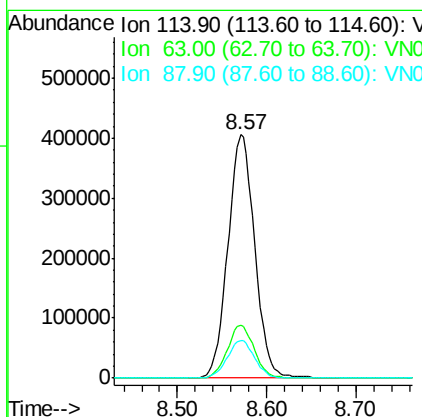
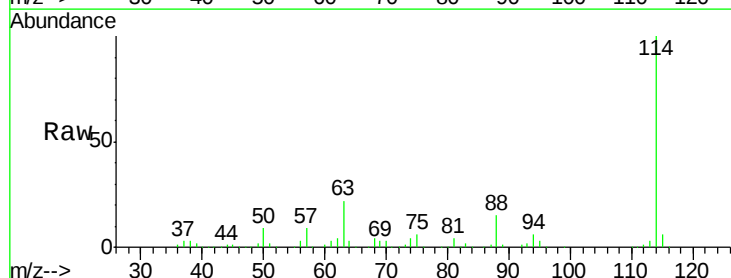
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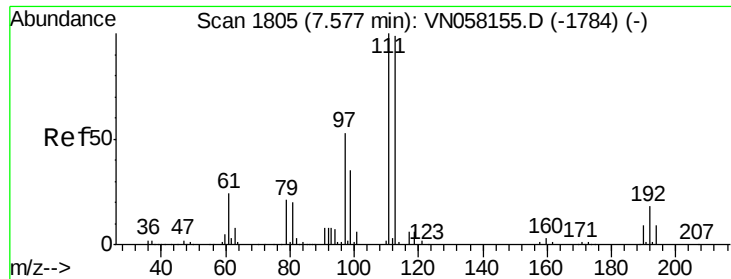
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	44.2	
88	15.4	0.0	31.6	





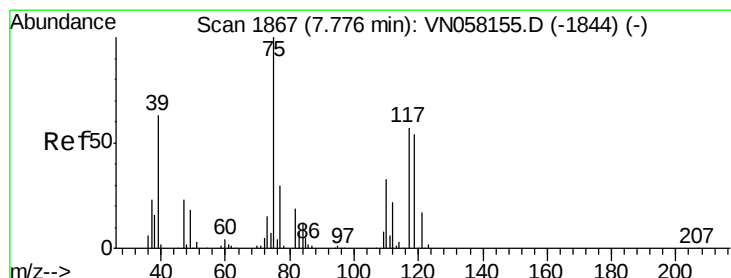
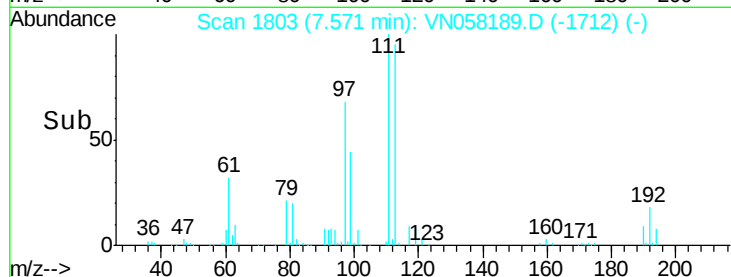
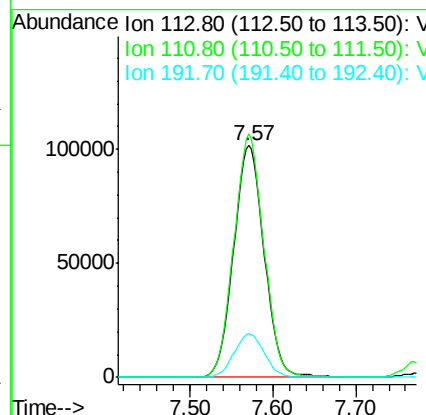
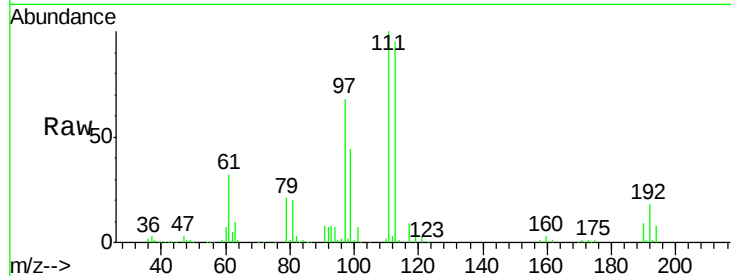
#35
 Dibromofluoromethane
 Concen: 50.737 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	260278		
111	102.6	81.8	122.6	
192	18.7	14.5	21.7	

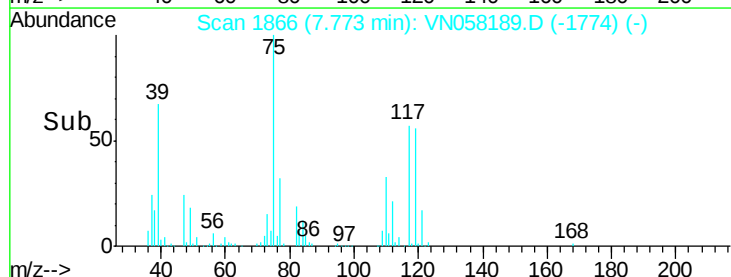
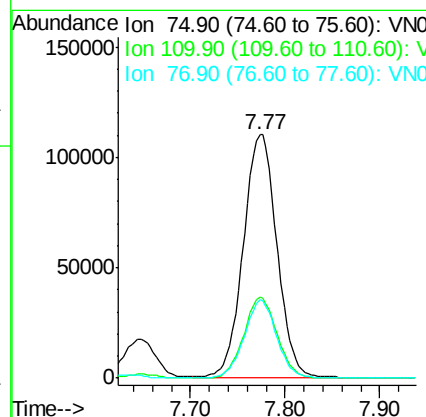
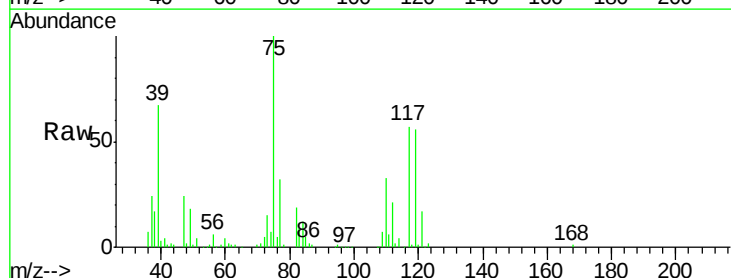
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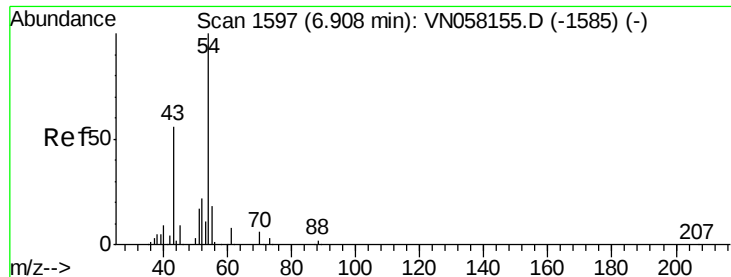
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#36
 1,1-Dichloropropene
 Concen: 44.540 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	271047		
110	33.0	16.6	49.7	
77	31.1	24.3	36.5	





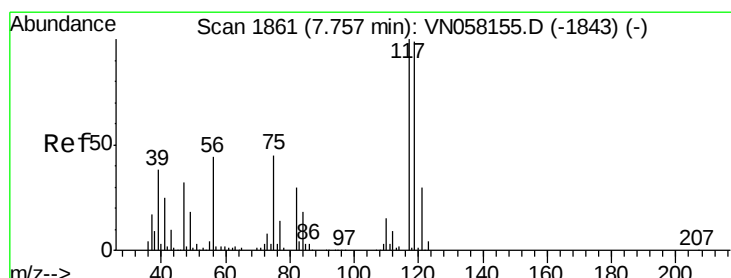
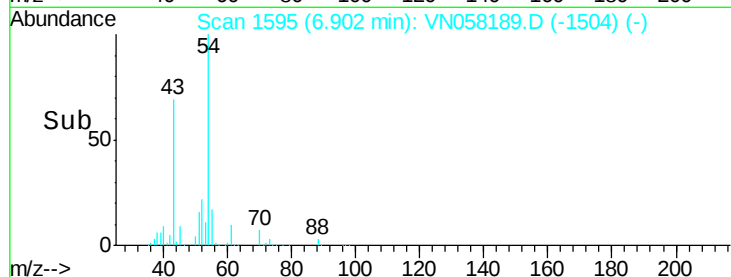
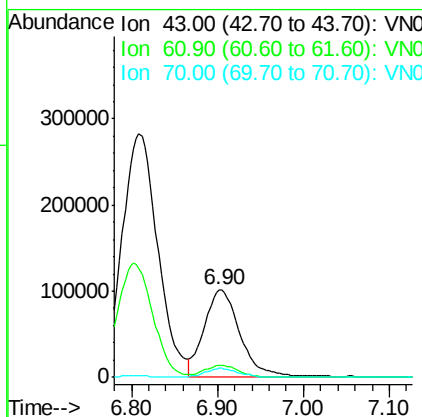
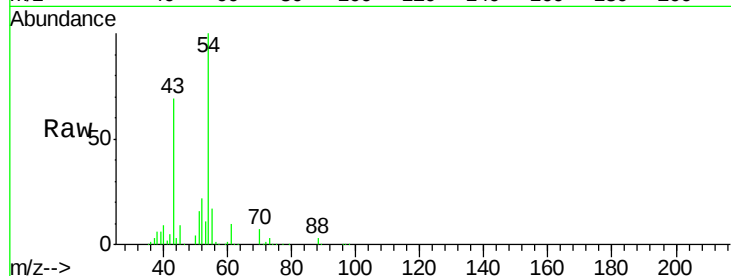
#37
Ethyl Acetate
Concen: 45.993 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	290467		
61	13.4		10.7	16.1
70	9.2		7.6	11.4

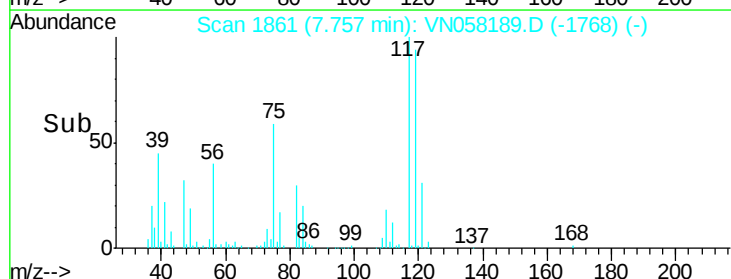
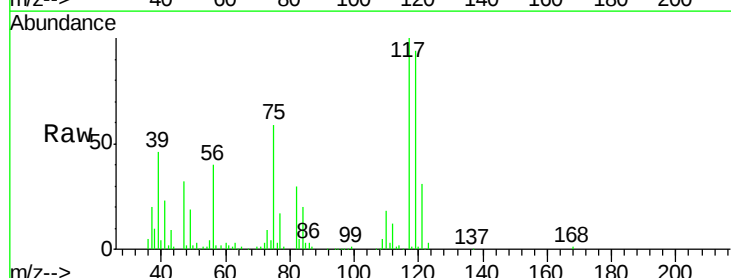
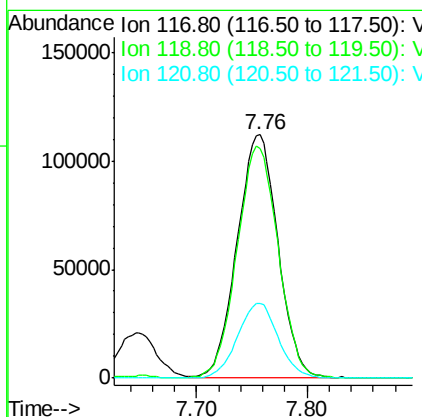
Manual Integrations
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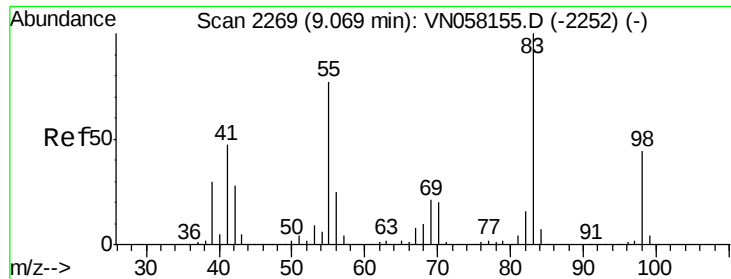
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.640 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	285310		
119	94.7		78.6	117.8
121	30.9		24.1	36.1





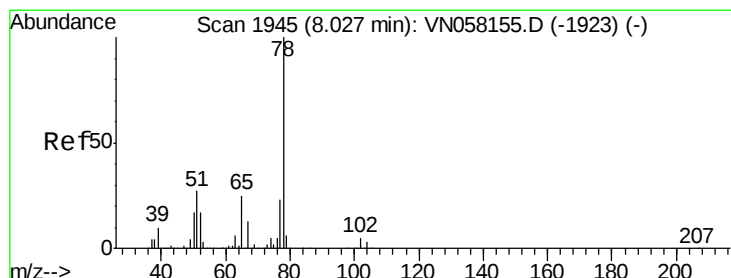
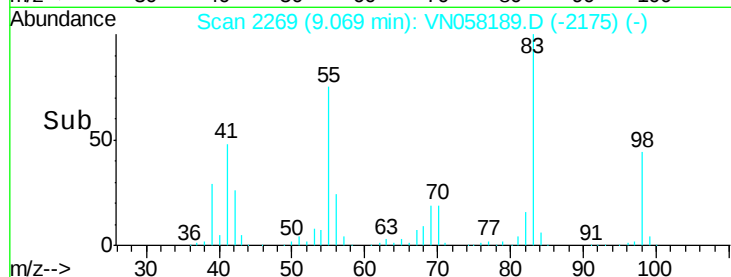
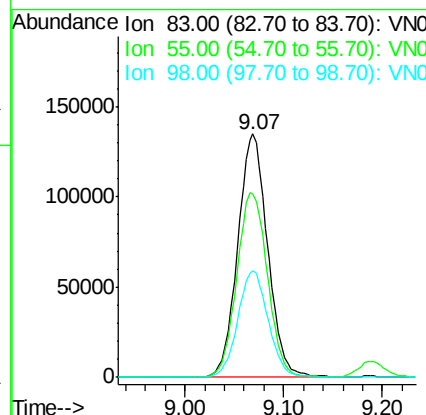
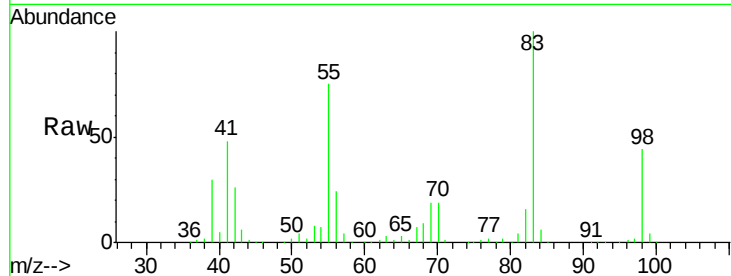
#39
Methvlcvclohexane
Concen: 48.315 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.4	61.9	92.9	
98	44.0	35.4	53.2	

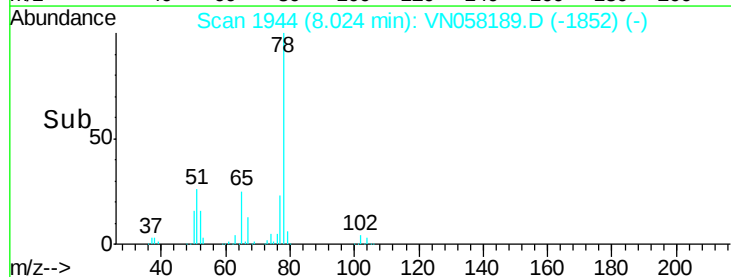
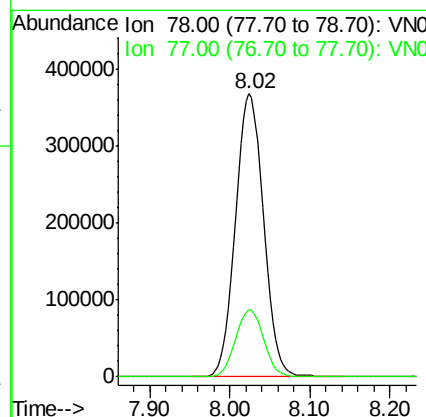
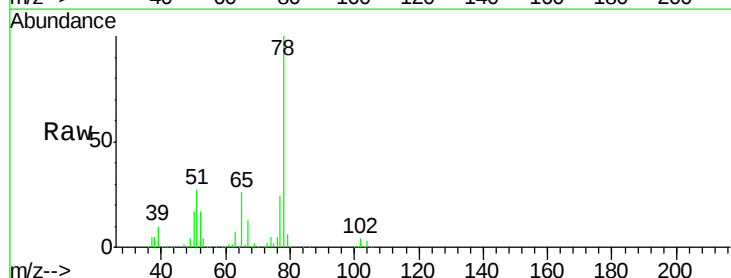
Manual Integrations
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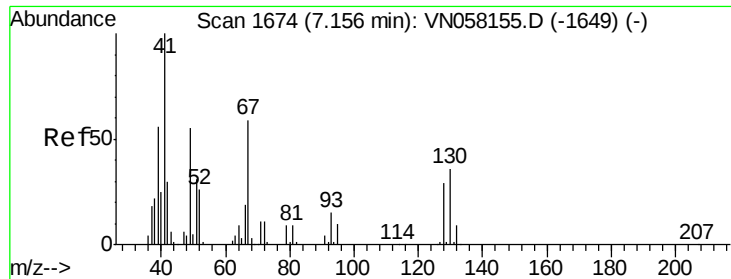
MMDadoda
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#40
Benzene
Concen: 47.072 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.8	28.2	





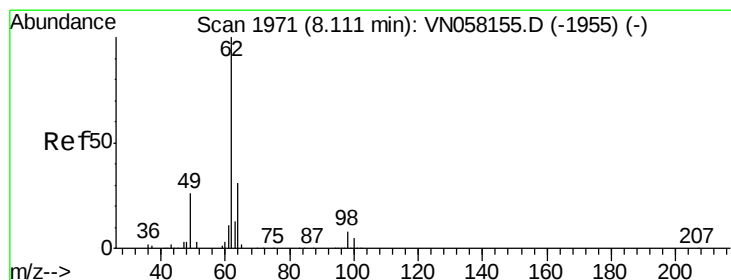
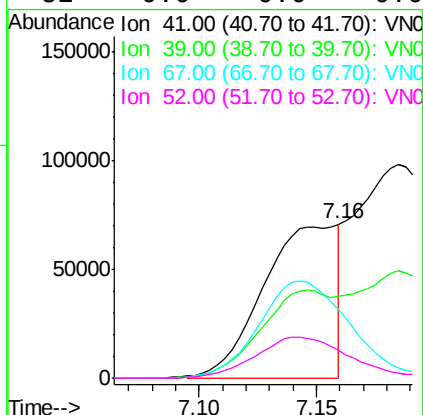
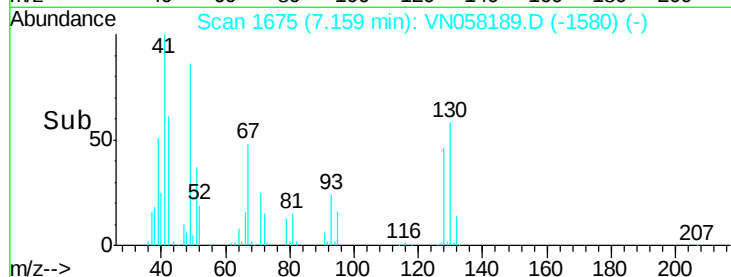
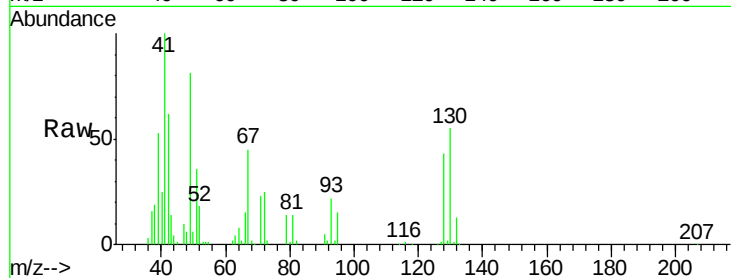
#41
Methacrylonitrile
Concen: 48.796 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		155175		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

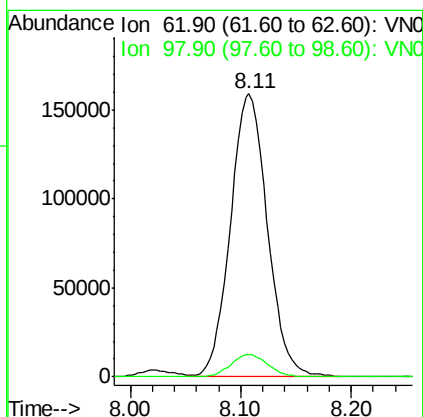
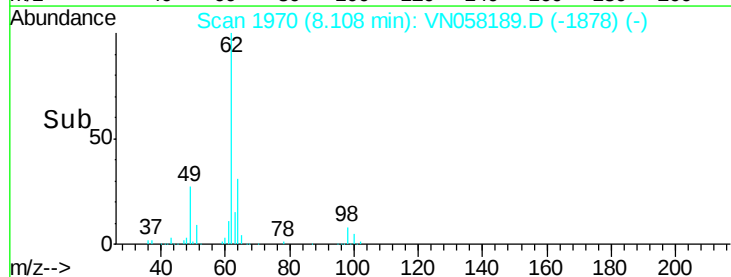
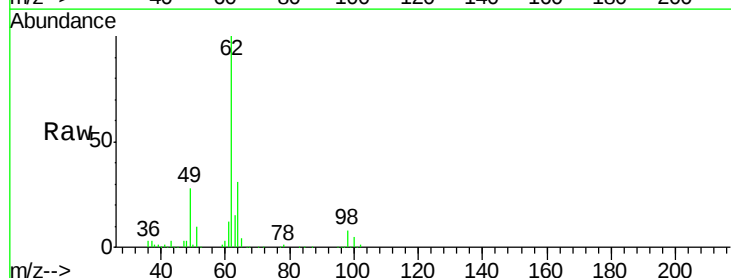
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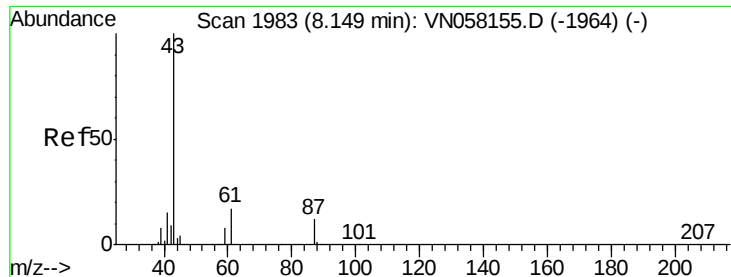
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.033 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		366826		
98	8.0	0.0	15.6		





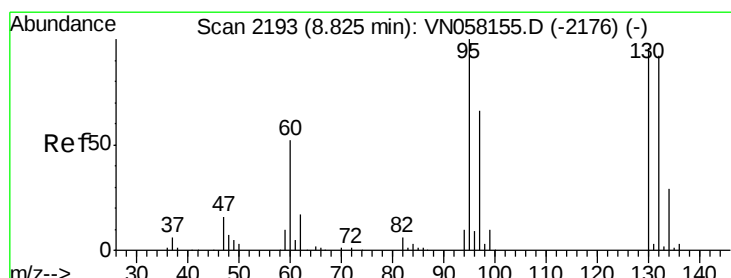
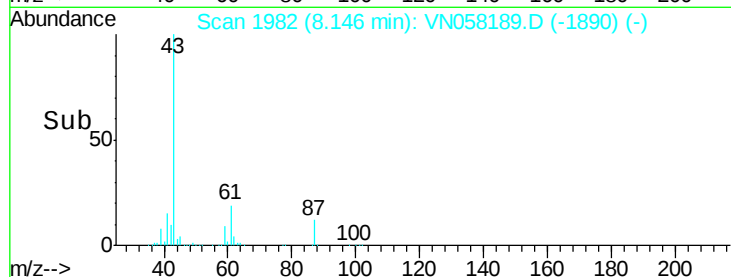
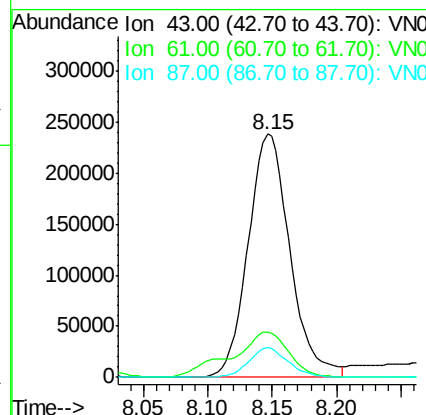
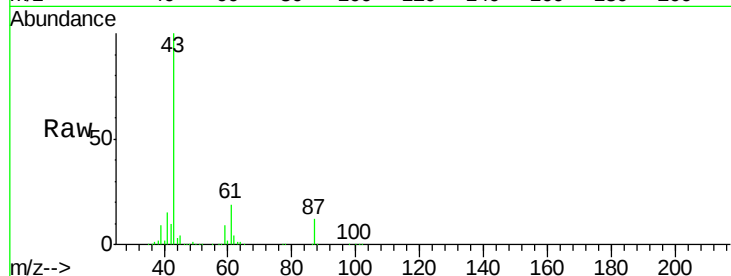
#43
Isopropyl Acetate
Concen: 45.492 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	19.7	29.5
87	11.6	9.4	14.2

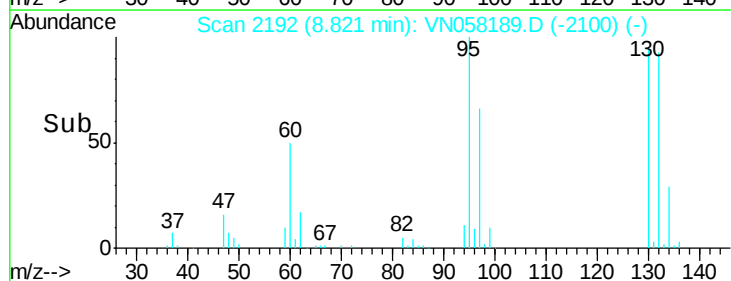
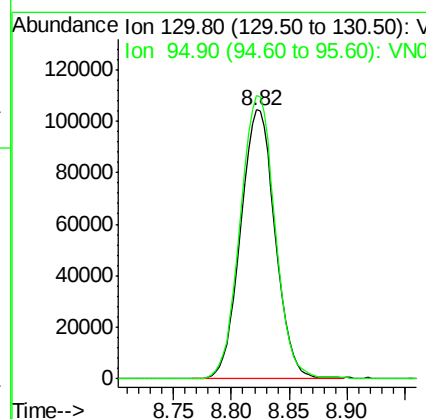
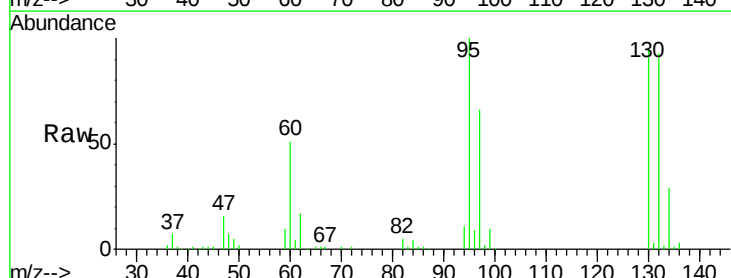
Manual Integrations
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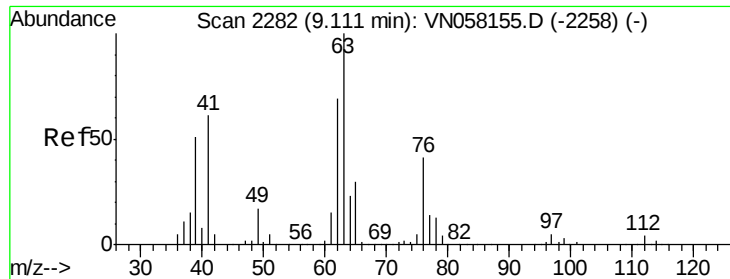
MMDadoda
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#44
Trichloroethene
Concen: 47.567 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	207.8





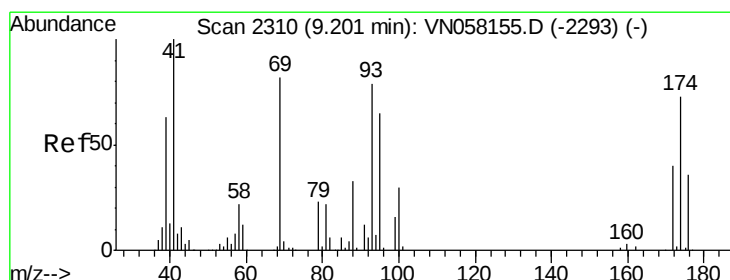
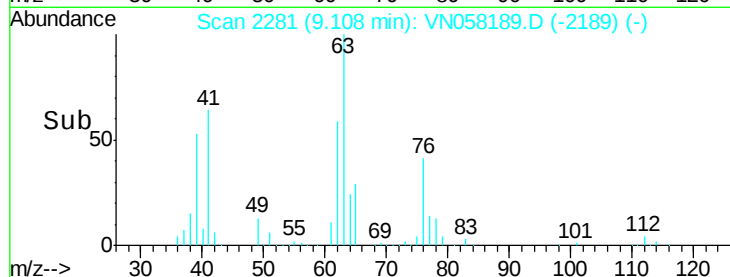
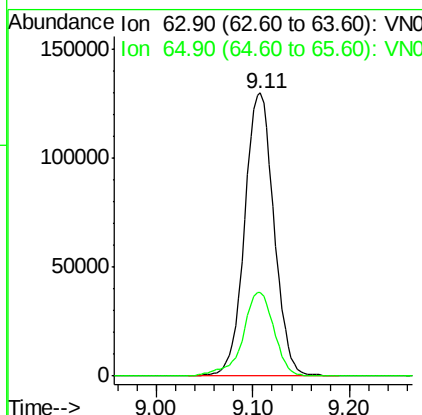
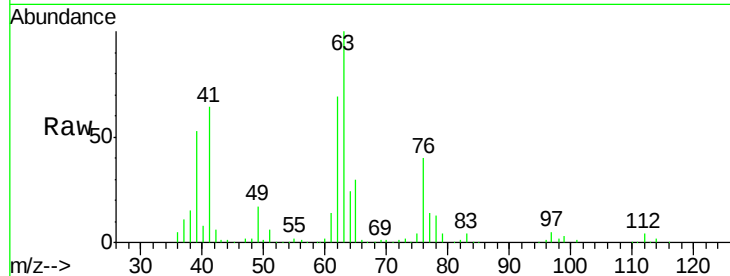
#45
 1,2-Dichloropropane
 Concen: 49.296 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	273637		
65	29.8		23.8	35.6

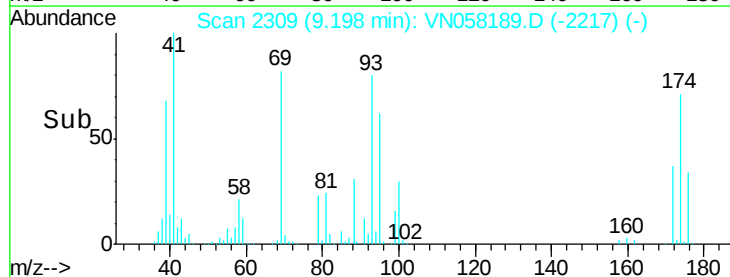
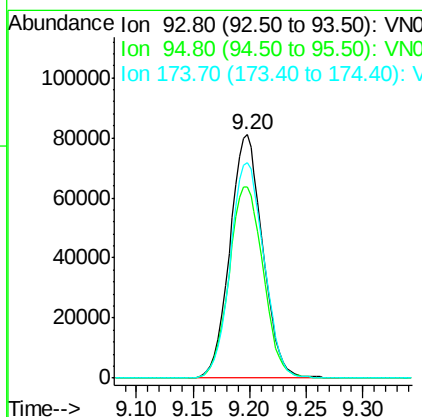
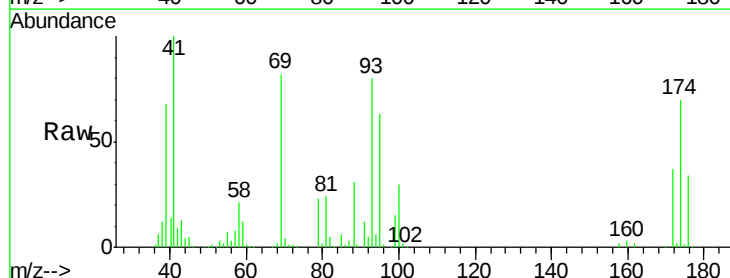
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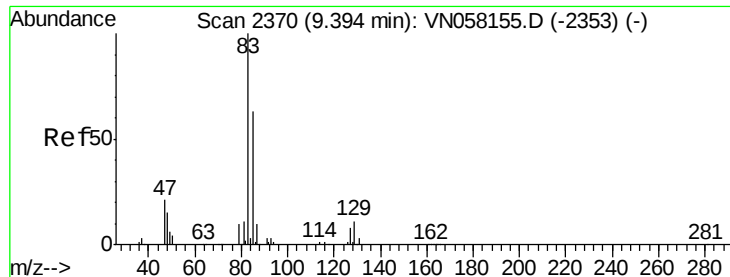
MMDadoda
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#46
 Dibromomethane
 Concen: 48.476 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	163598		
95	81.9		66.8	100.2
174	90.9		73.8	110.8





#47

Bromodichloromethane

Concen: 50.622 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

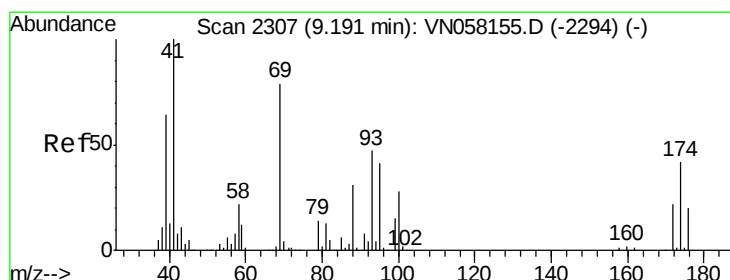
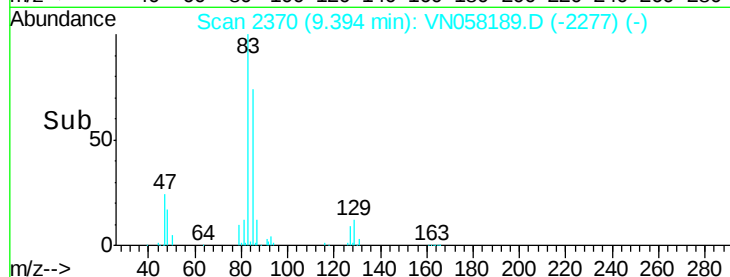
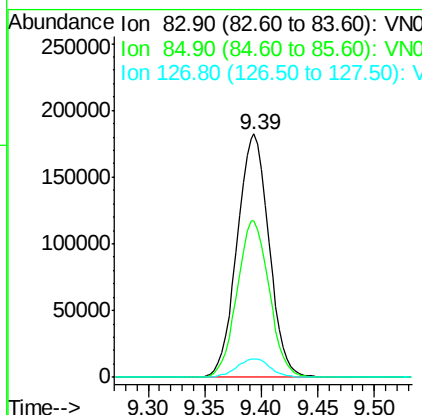
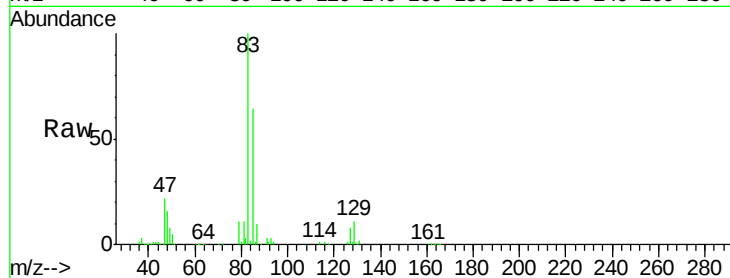
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	357906
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.1	75.1
127	7.7	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.222 ug/l

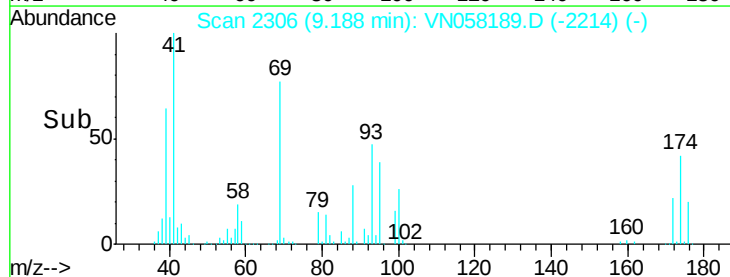
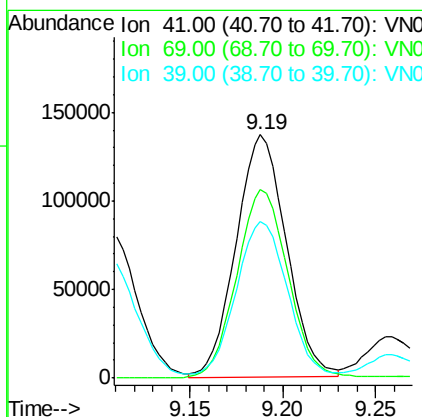
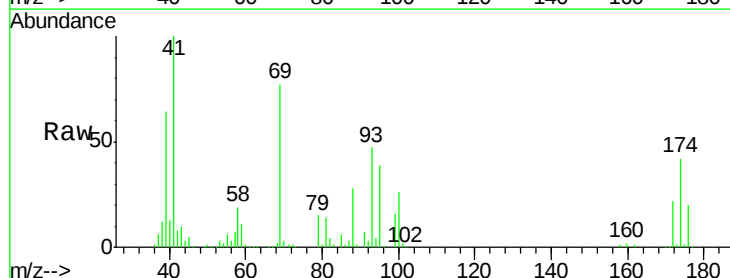
RT: 9.19 min Scan# 2306

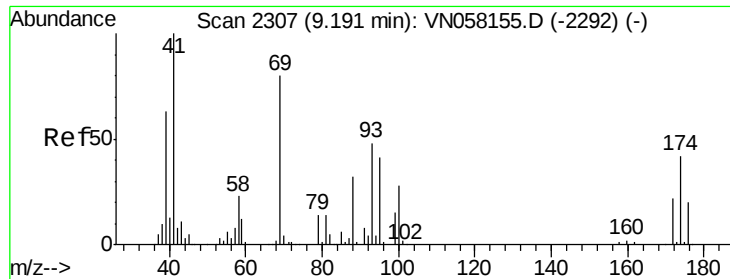
Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Tgt Ion:	41	Resp:	258243
Ion Ratio	Lower	Upper	
41	100		
69	79.4	62.5	93.7
39	65.6	52.3	78.5





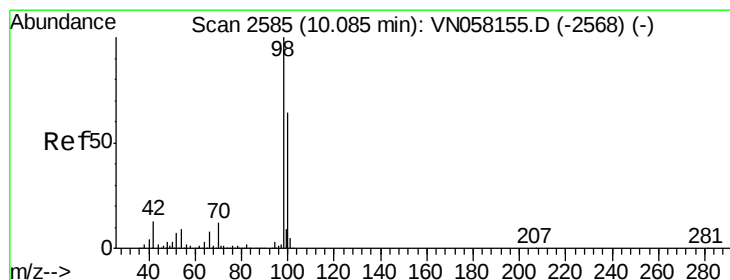
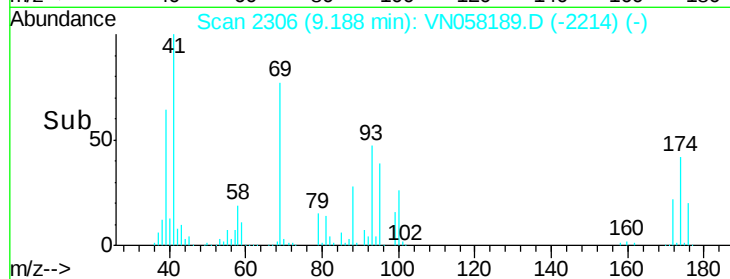
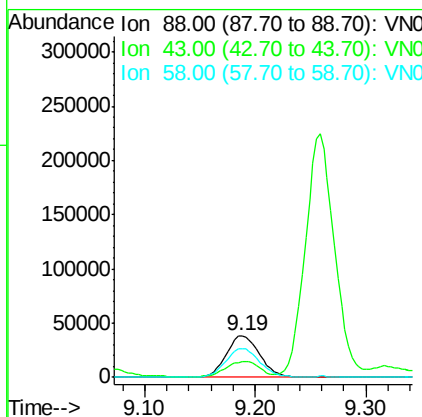
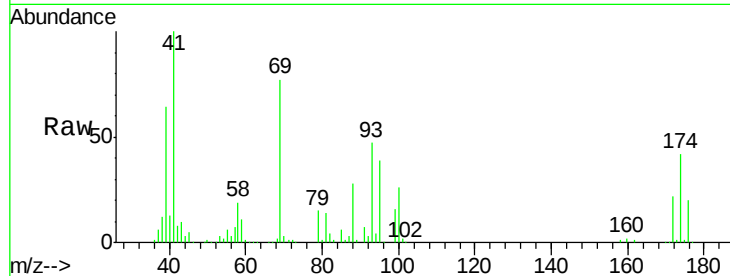
#49
1,4-Dioxane
Concen: 919.626 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	80857
Ion	Ratio	Lower	Upper
88	100		
43	35.9	27.8	41.8
58	70.6	55.0	82.4

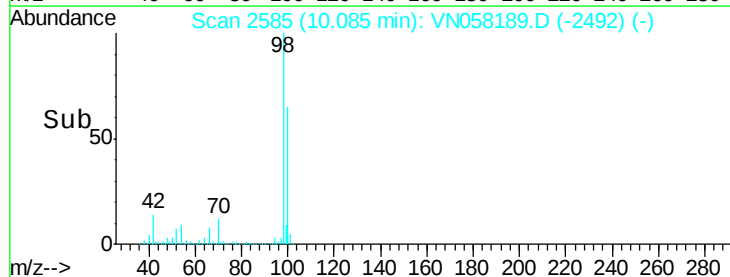
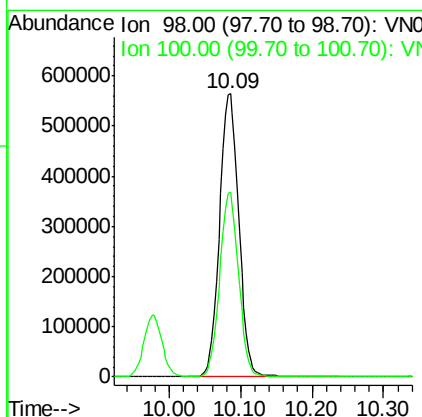
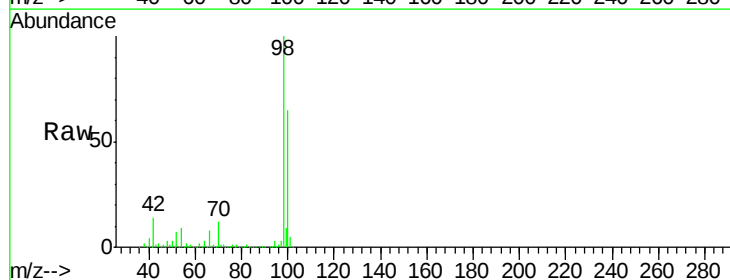
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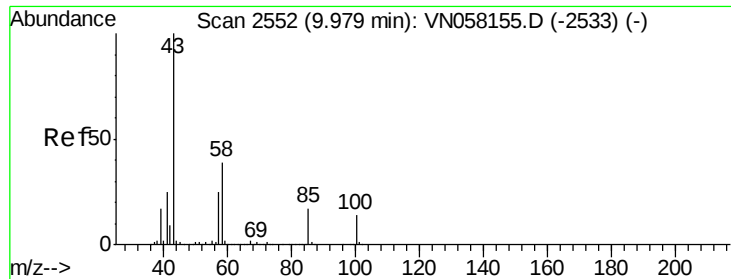
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#50
Toluene-d8
Concen: 52.824 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	98	Resp	1055808
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 258.284 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1618102

Ion Ratio Lower Upper

43 100

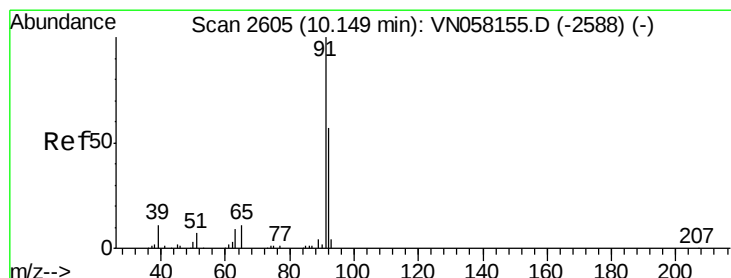
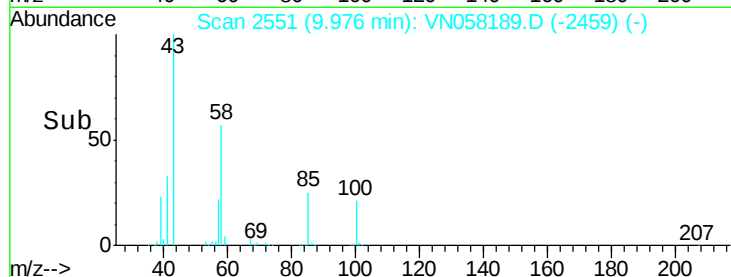
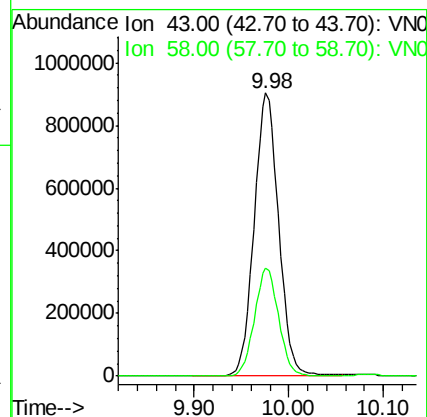
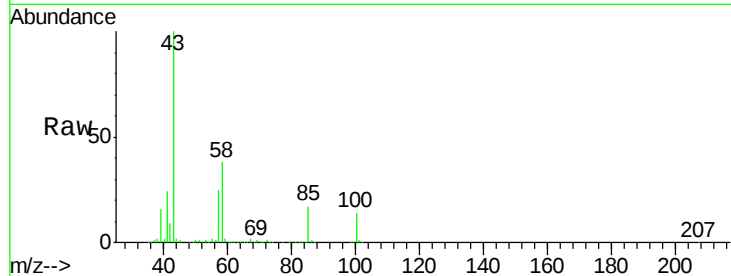
58 37.7 30.2 45.4

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#52

Toluene

Concen: 48.786 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058189.D

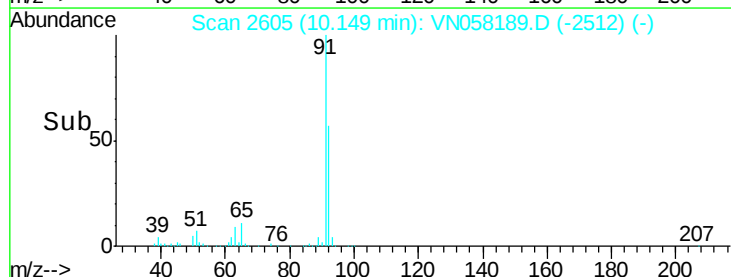
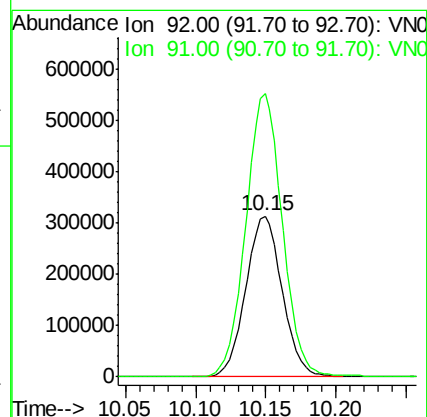
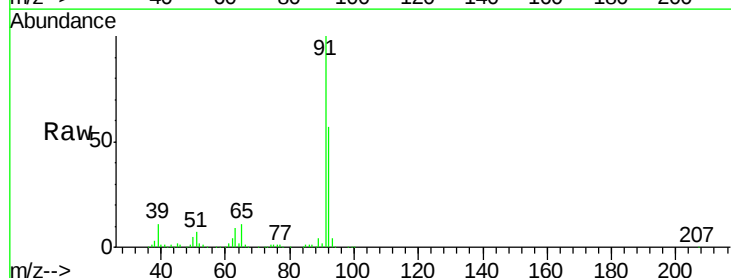
Acq: 19 Sep 2019 8:55

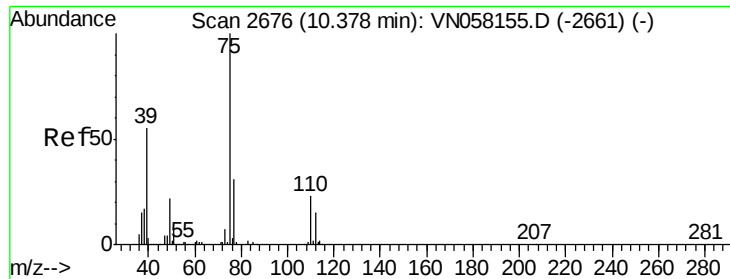
Tgt Ion: 92 Resp: 568295

Ion Ratio Lower Upper

92 100

91 177.1 140.2 210.2





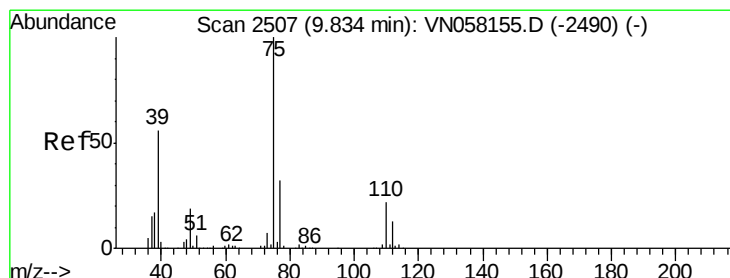
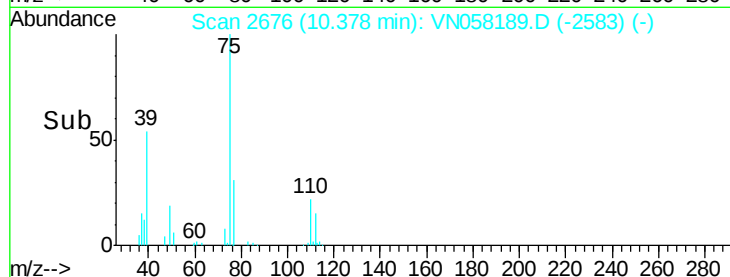
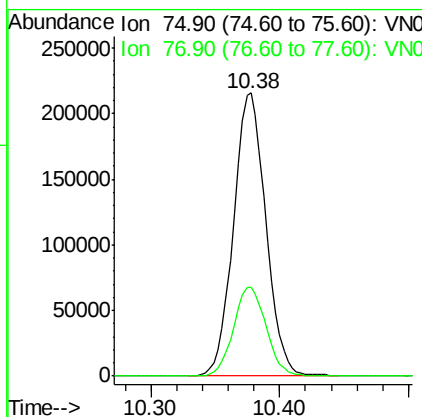
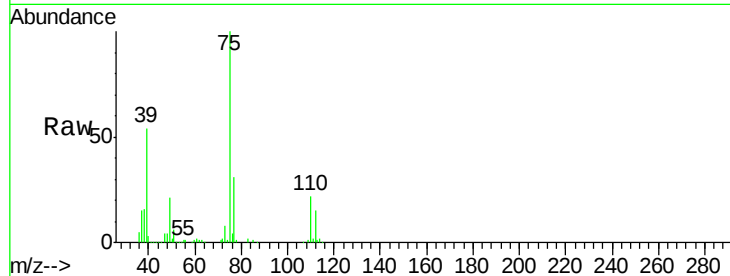
#53
t-1,3-Dichloropropene
Concen: 51.848 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3

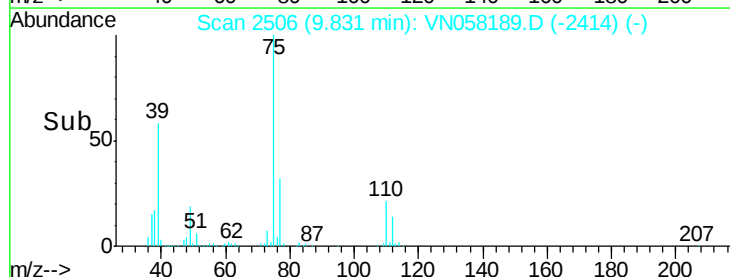
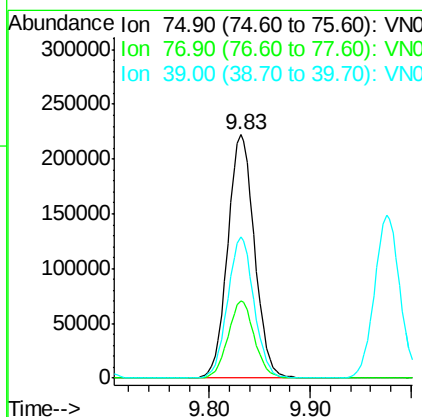
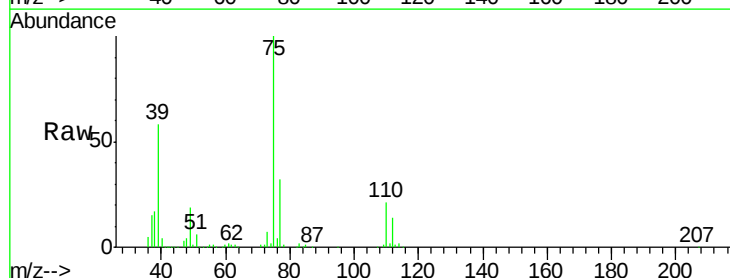
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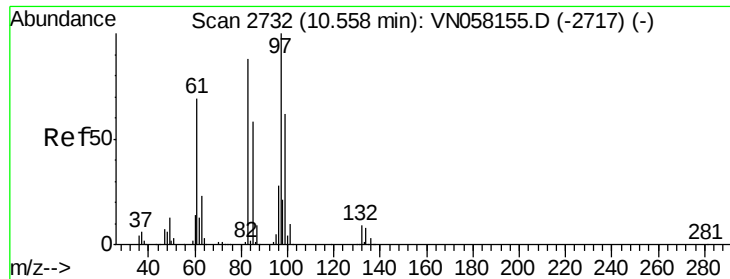
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#54
cis-1,3-Dichloropropene
Concen: 51.382 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	57.9	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 49.888 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

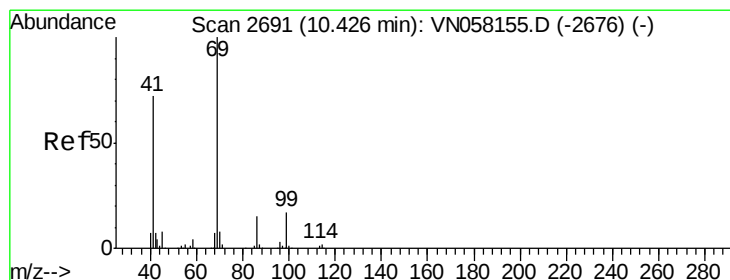
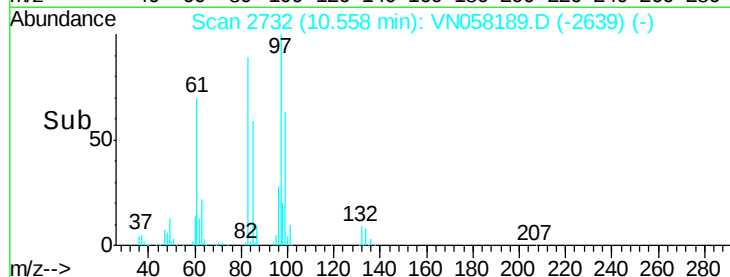
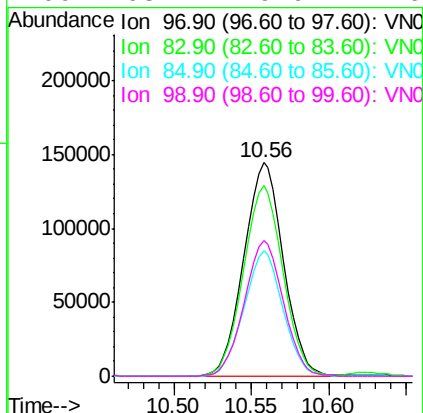
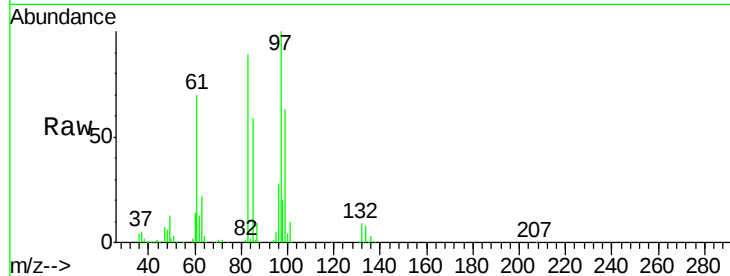
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	257894
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.4	105.6
85	58.9	46.8	70.2
99	63.2	49.9	74.9

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#56

Ethyl methacrylate

Concen: 50.976 ug/l

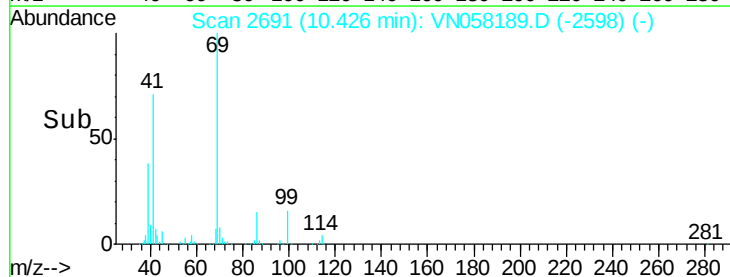
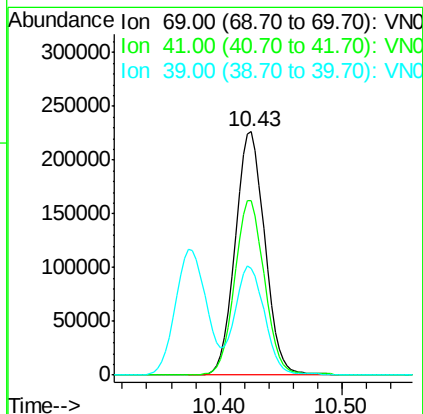
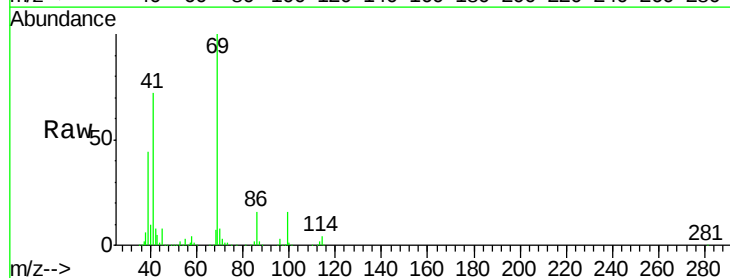
RT: 10.43 min Scan# 2691

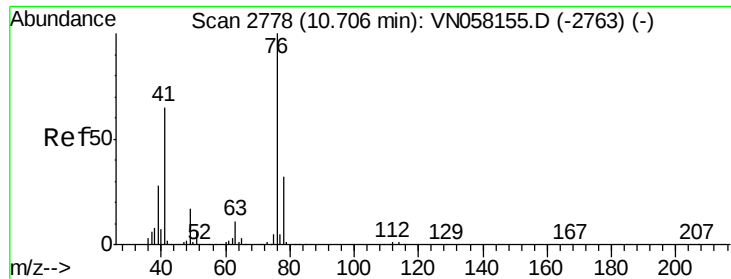
Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Tgt Ion:	69	Resp:	380213
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.5	86.3
39	45.0	36.1	54.1





#57

1,3-Dichloropropane

Concen: 48.674 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 432564

Ion Ratio Lower Upper

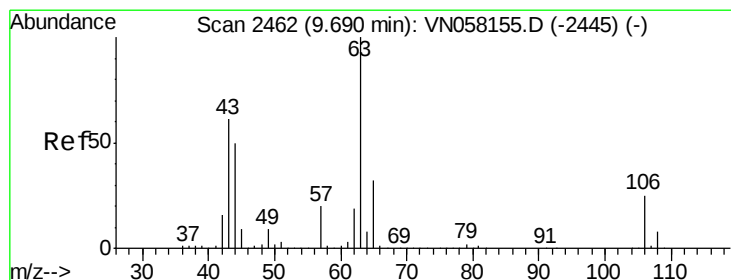
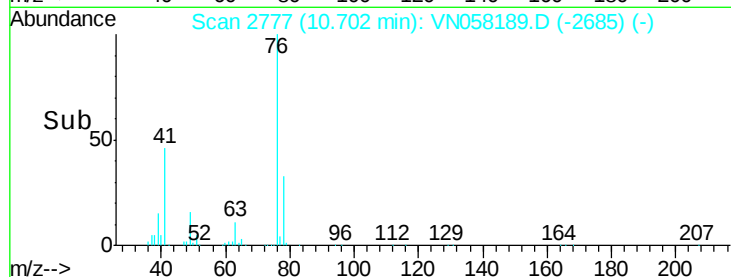
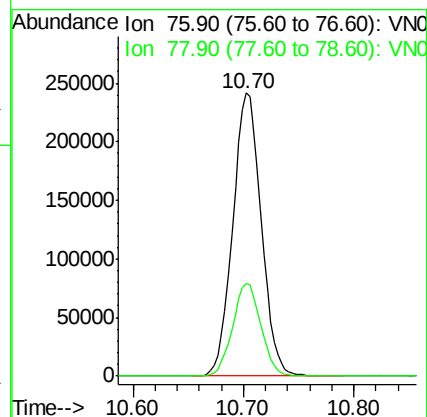
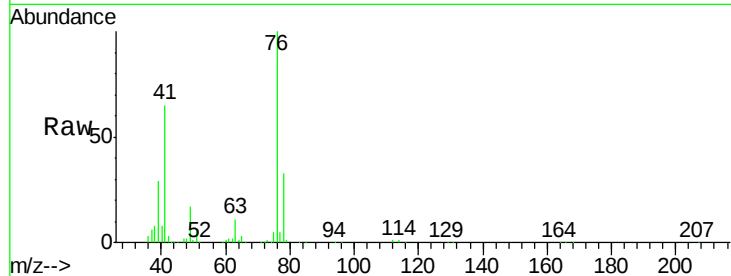
76 100

78 32.7 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 262.745 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058189.D

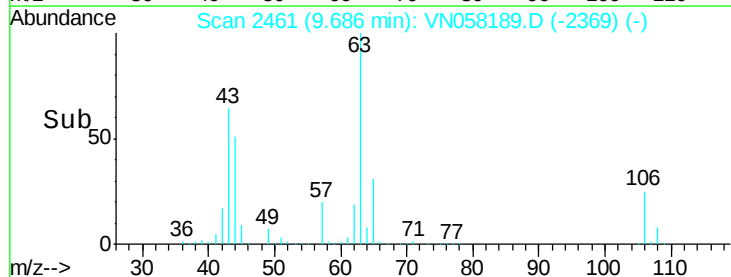
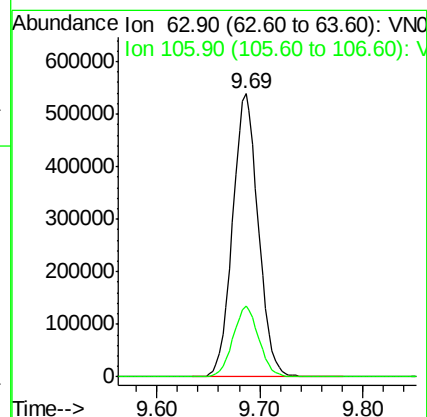
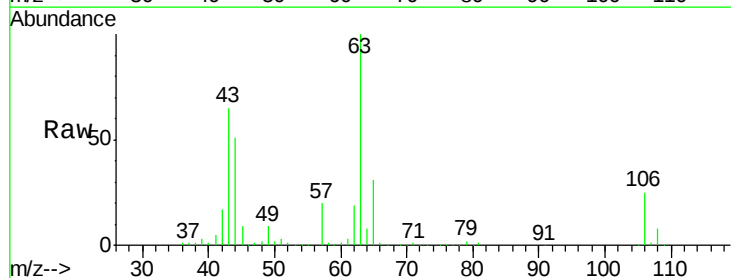
Acq: 19 Sep 2019 8:55

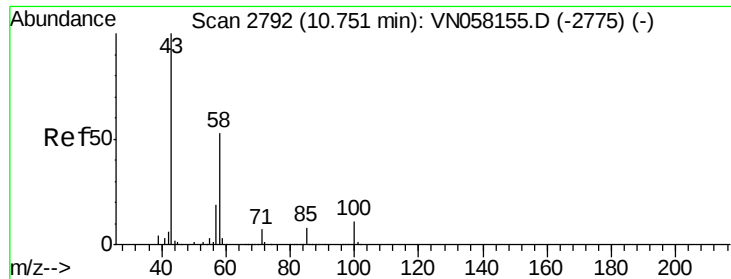
Tgt Ion: 63 Resp: 933465

Ion Ratio Lower Upper

63 100

106 25.1 19.9 29.9





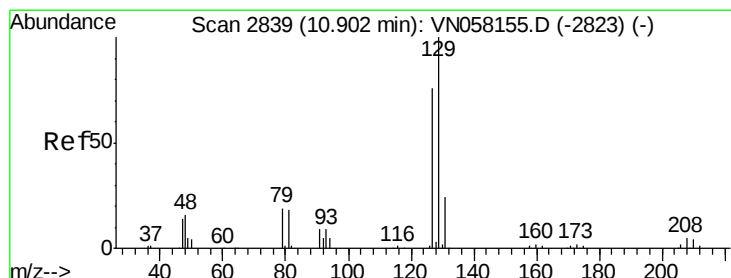
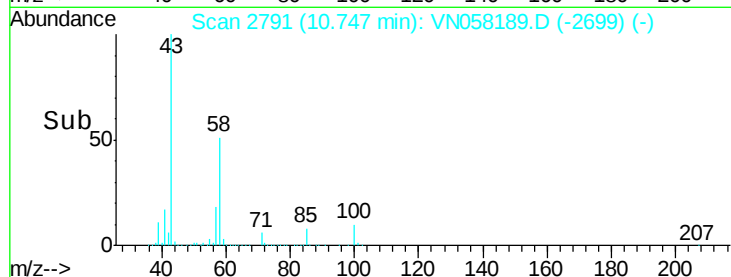
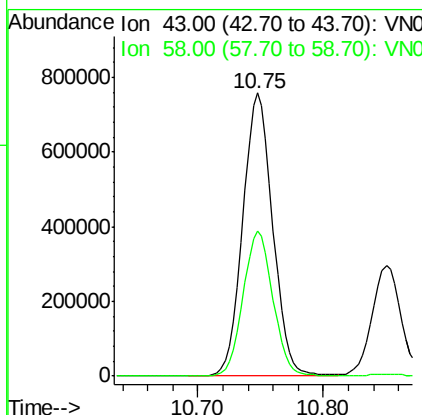
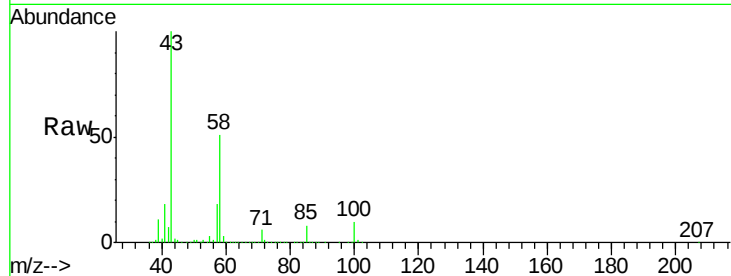
#59
2-Hexanone
Concen: 269.489 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1253886
Ion Ratio Lower Upper
43 100
58 51.4 26.0 78.0

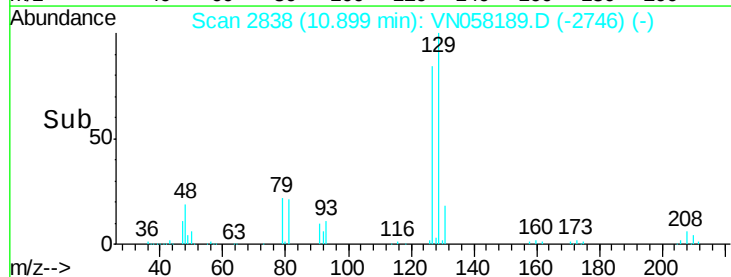
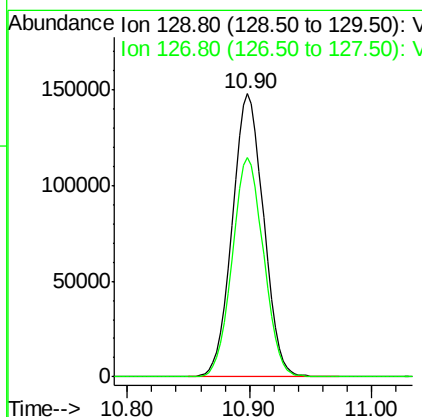
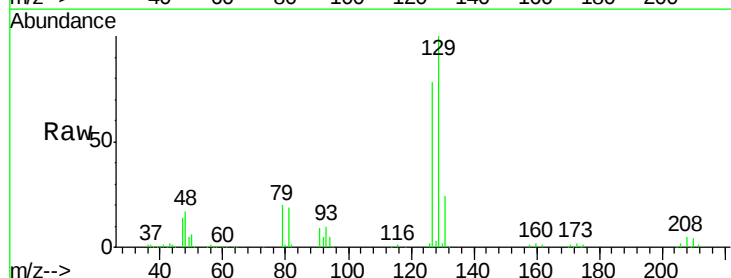
Manual Integrations
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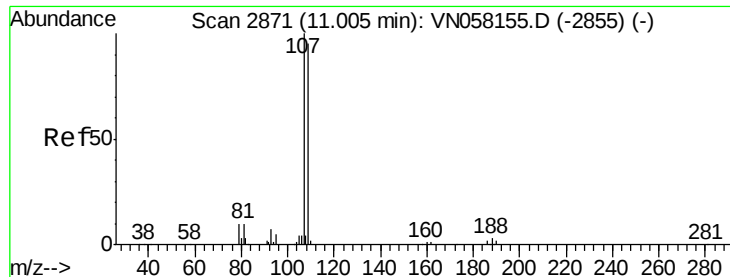
MMDadoda
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#60
Dibromochloromethane
Concen: 52.966 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 129 Resp: 263416
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1





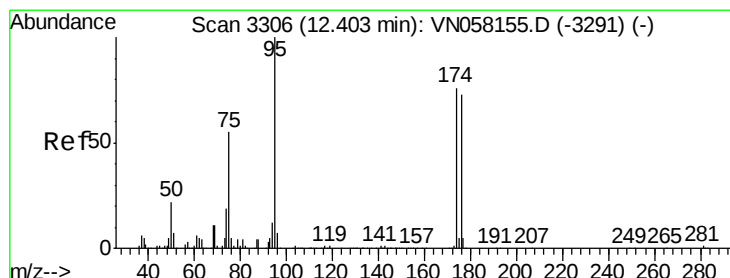
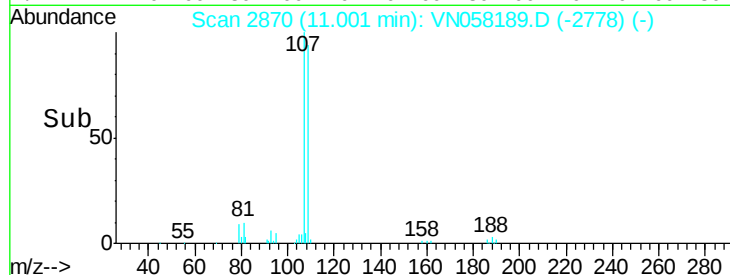
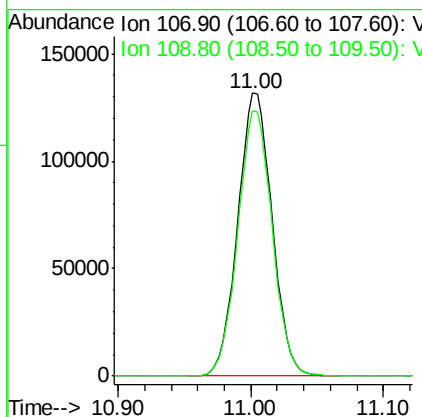
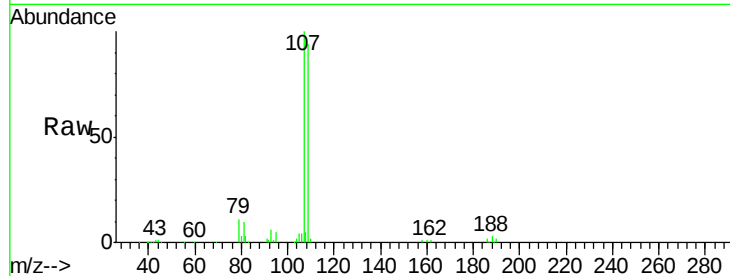
#61
 1,2-Dibromoethane
 Concen: 49.435 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

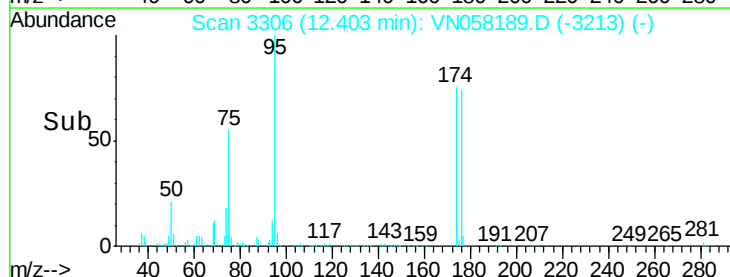
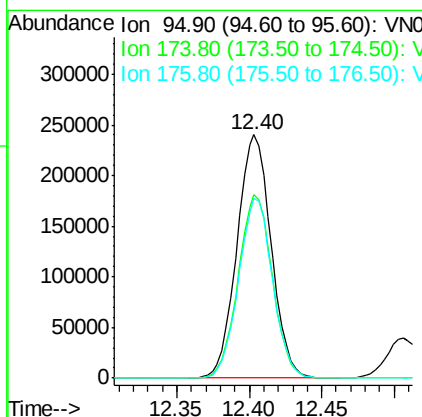
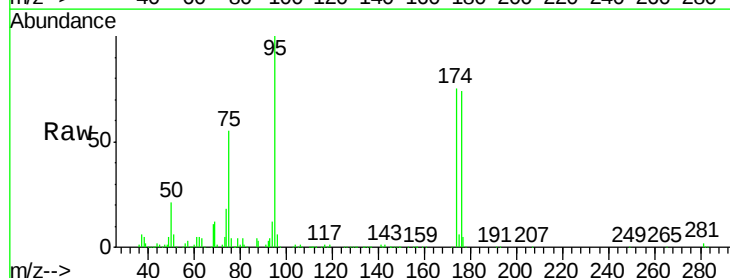
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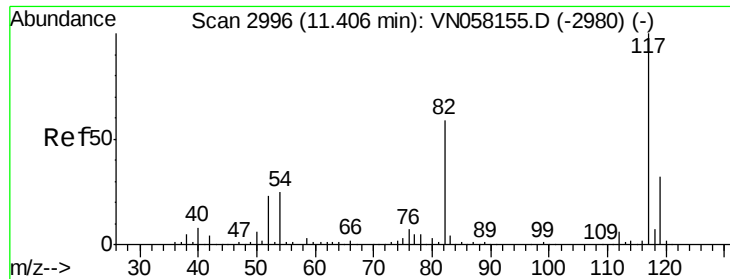
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#62
 4-Bromofluorobenzene
 Concen: 52.966 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	152.2
176	73.5	0.0	148.0





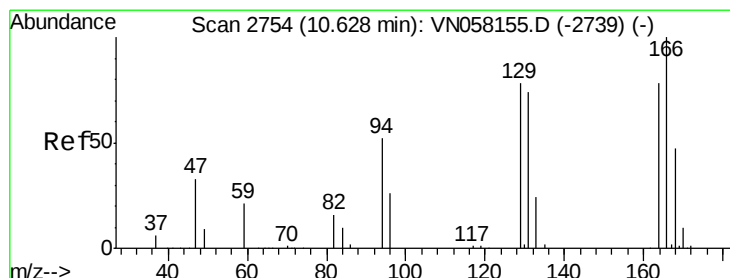
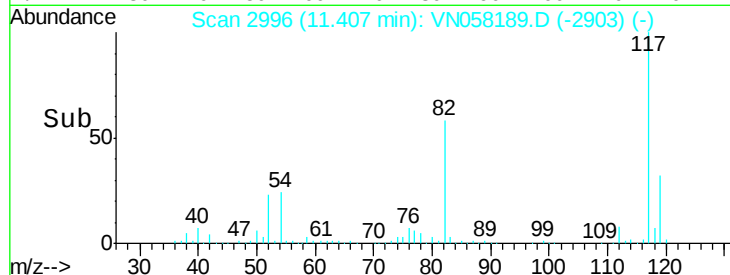
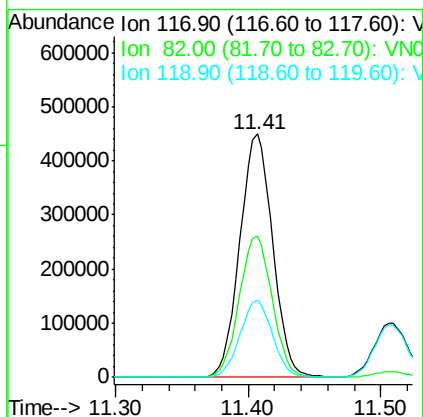
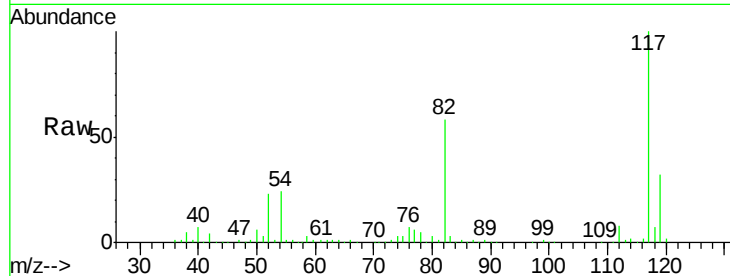
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.9	70.3
119	31.5	25.3	37.9

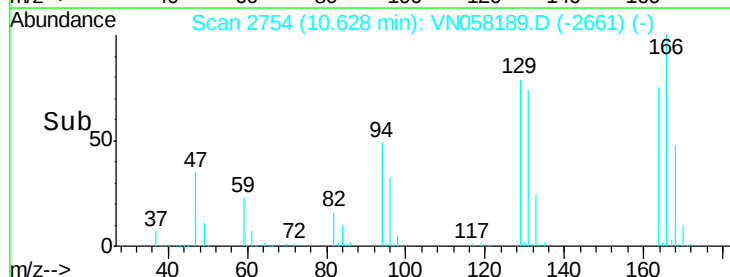
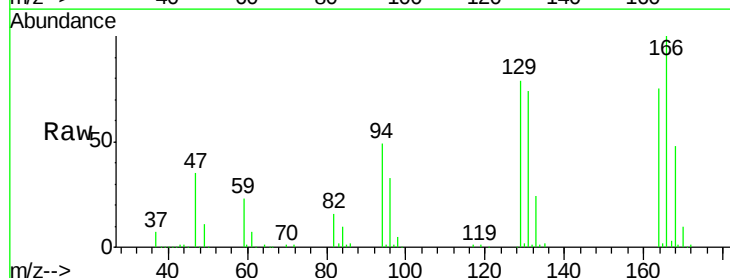
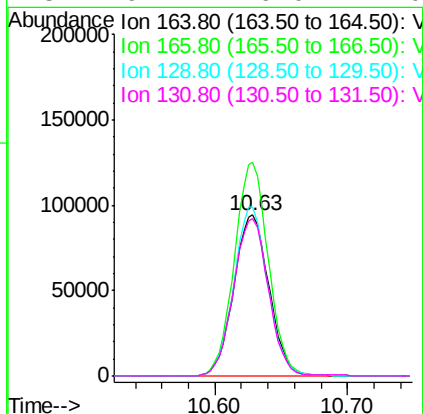
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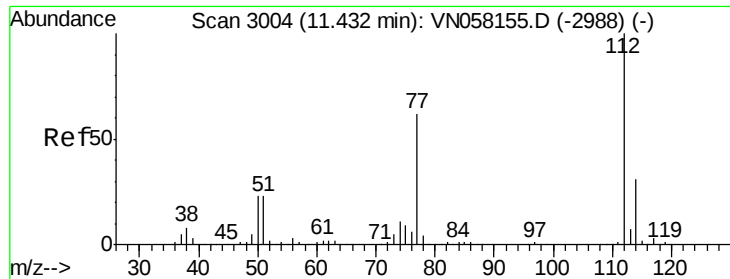
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#64
Tetrachloroethene
Concen: 46.059 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	102.2	153.4
129	104.9	79.6	119.4
131	97.7	76.0	114.0





#65

Chlorobenzene

Concen: 48.719 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 663815

Ion Ratio Lower Upper

112 100

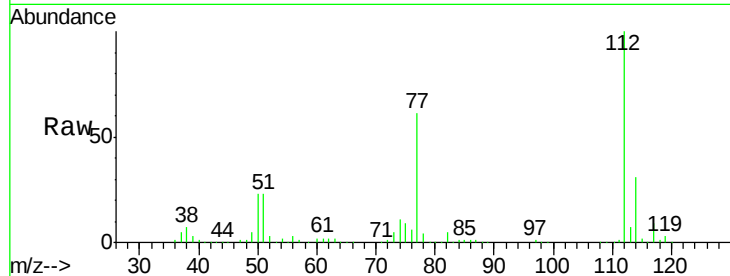
114 31.4 25.1 37.7

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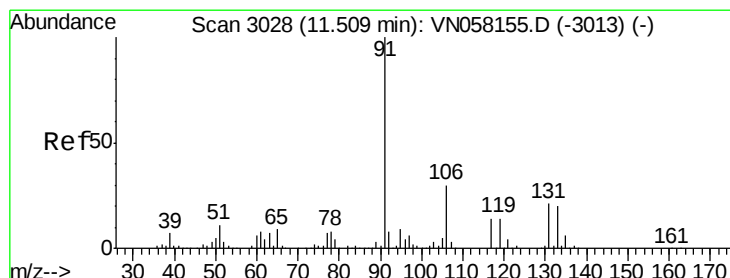
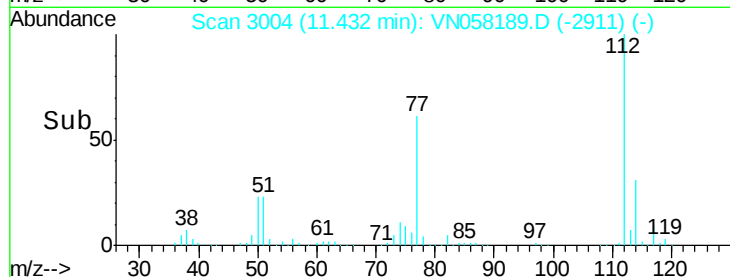
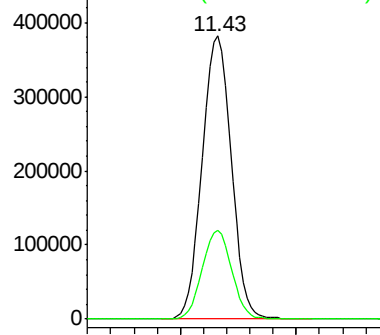
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.589 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

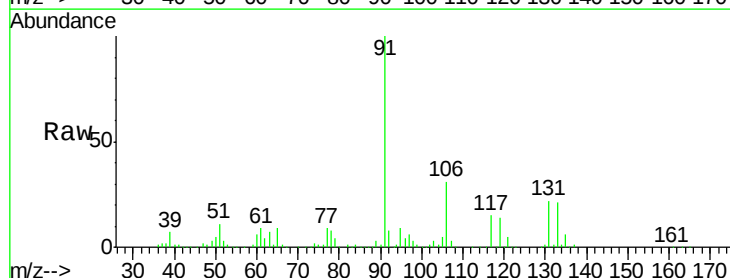
Tgt Ion:131 Resp: 254881

Ion Ratio Lower Upper

131 100

133 97.0 47.8 143.3

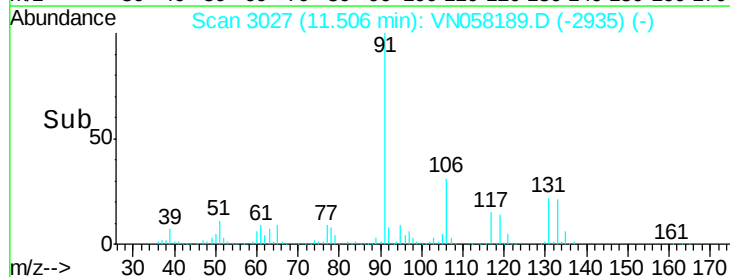
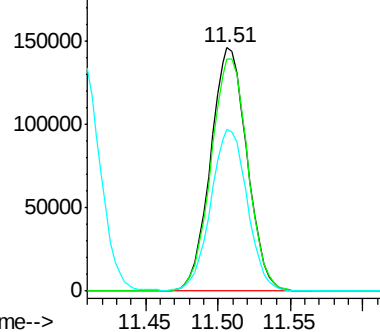
119 66.6 33.1 99.3

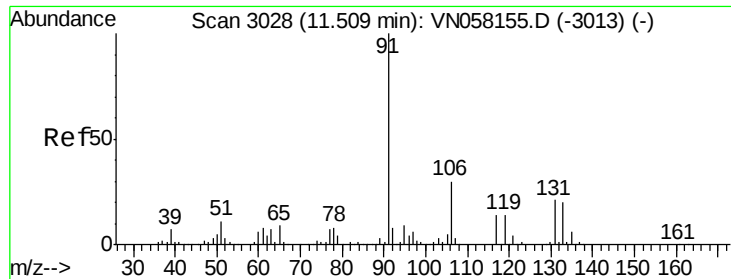


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.165 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1194560

Ion Ratio Lower Upper

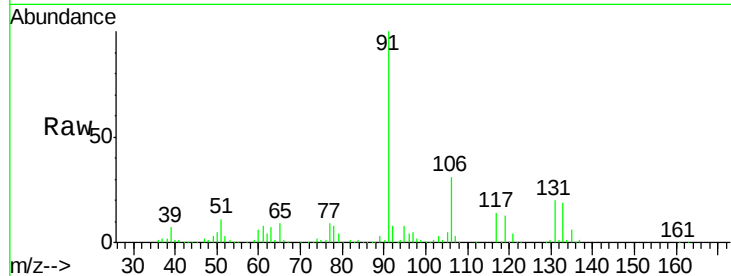
91 100

106 30.9 24.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VN058189.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN058189.D (-2935) (-)

1000000

800000

600000

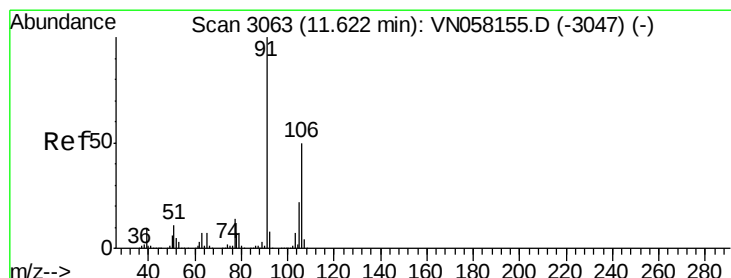
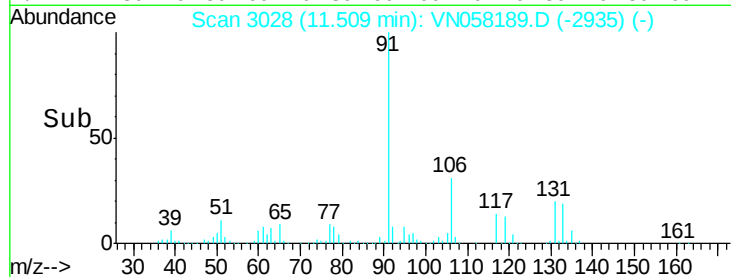
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 99.993 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058189.D

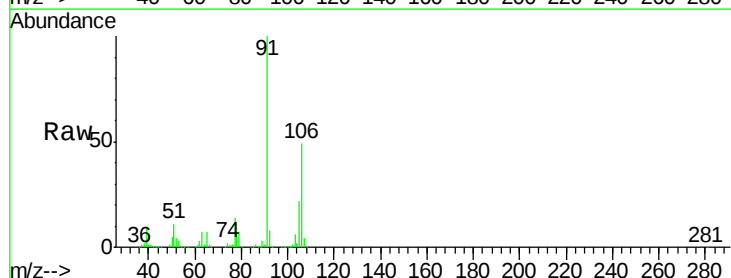
Acq: 19 Sep 2019 8:55

Tgt Ion: 106 Resp: 879263

Ion Ratio Lower Upper

106 100

91 207.8 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): VN058189.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN058189.D (-2970) (-)

1000000

800000

600000

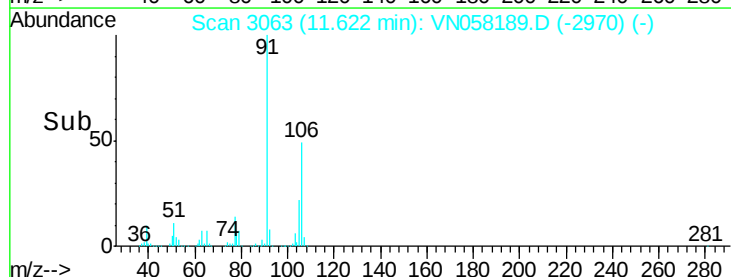
400000

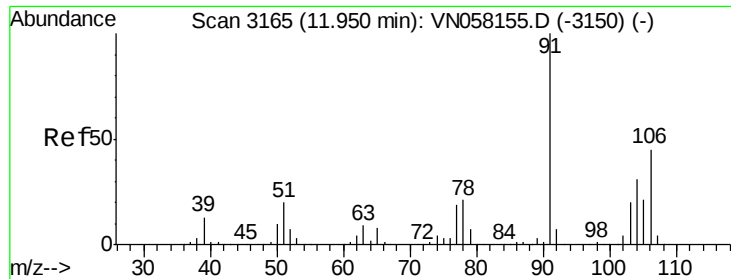
200000

0

11.50 11.60 11.70

Time-->





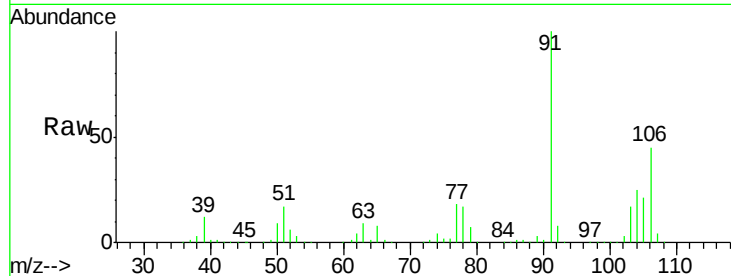
#69
o-Xylene
Concen: 50.583 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

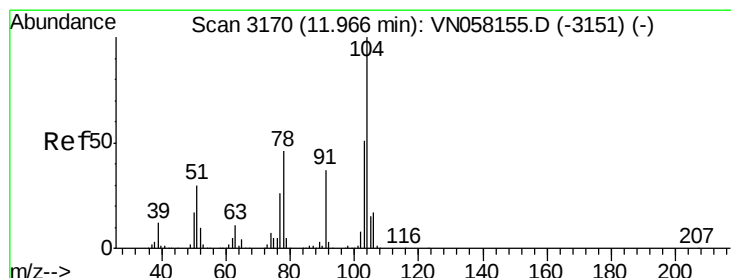
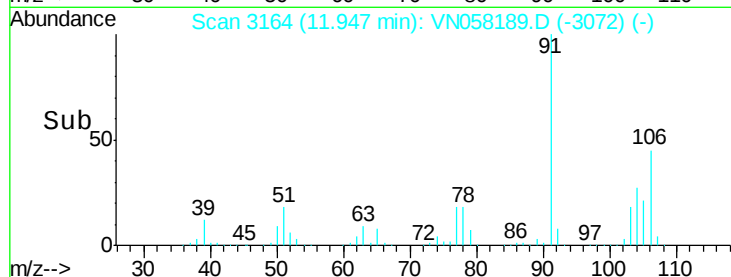
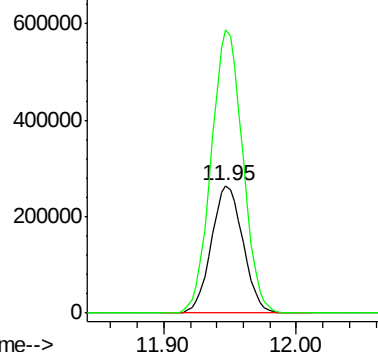
Tot Ion:106 Resp: 437357
Ion Ratio Lower Upper
106 100
91 221.9 111.8 335.3

Manual Integrations
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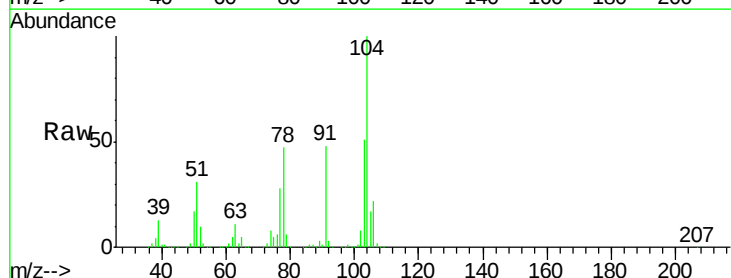


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

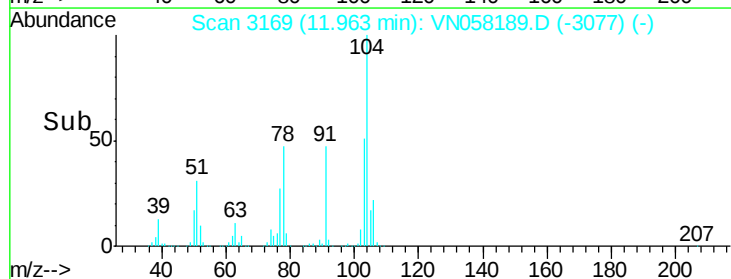
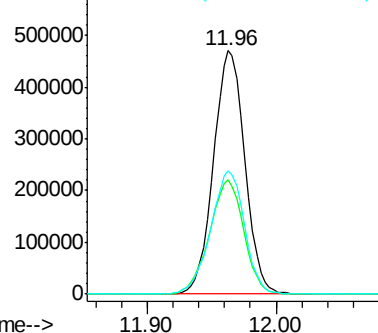


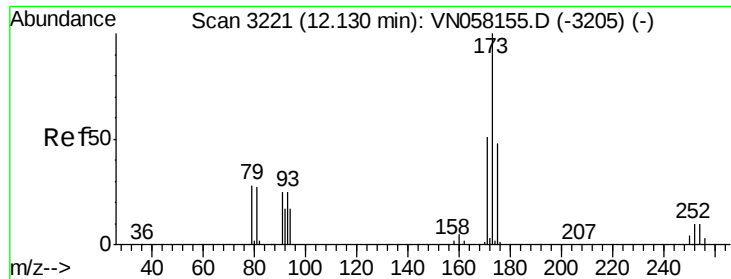
#70
Styrene
Concen: 53.319 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion:104 Resp: 794319
Ion Ratio Lower Upper
104 100
78 51.3 41.8 62.8
103 54.7 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 45.662 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 166027

Ion Ratio Lower Upper

173 100

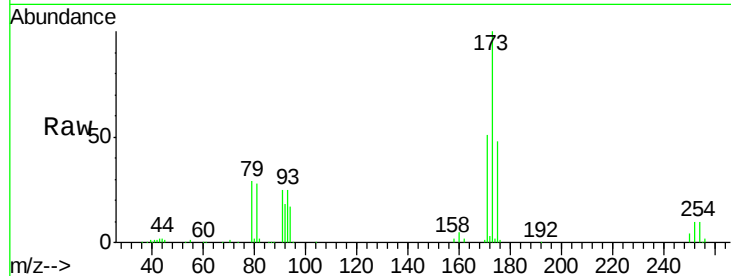
175 49.1 24.2 72.6

254 0.0 0.1 0.1#

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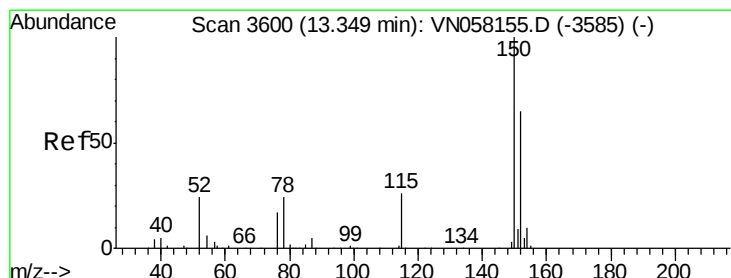
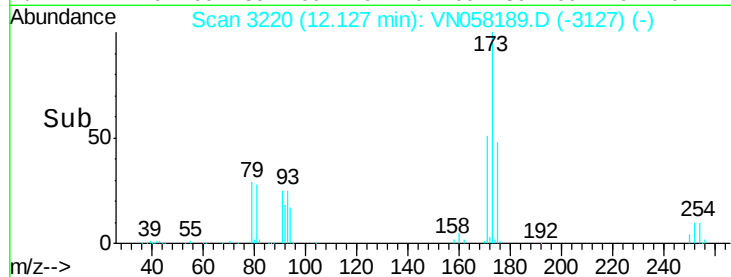
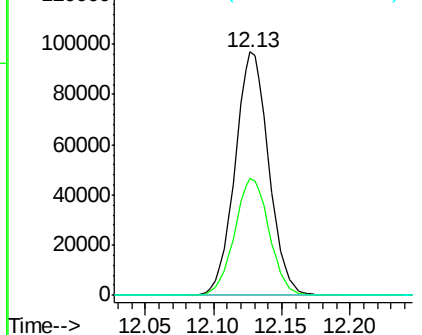
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

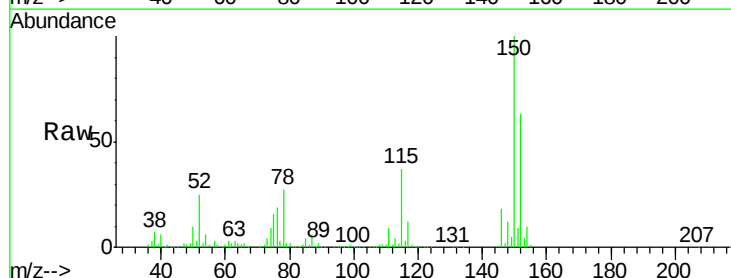
Tgt Ion:152 Resp: 387007

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.3

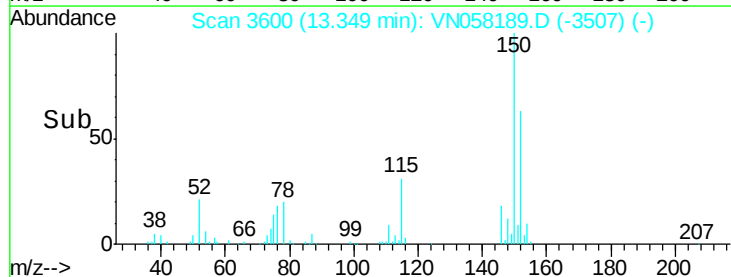
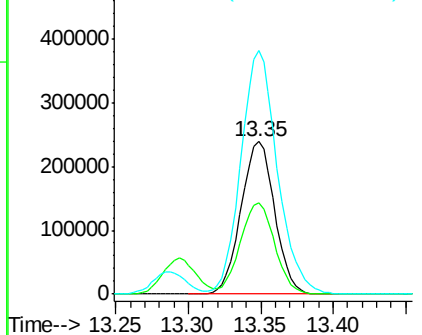
150 172.1 0.0 346.4

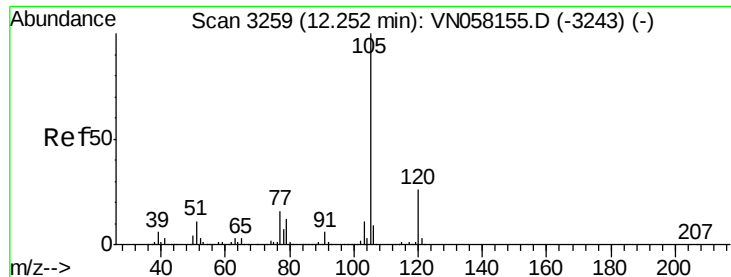


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.432 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1245900

Ion Ratio Lower Upper

105 100

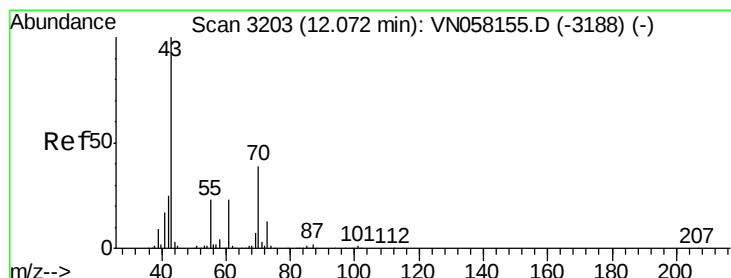
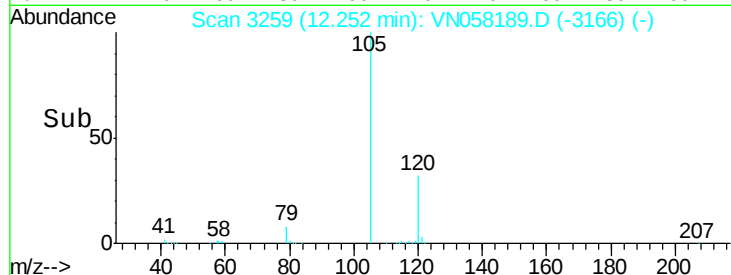
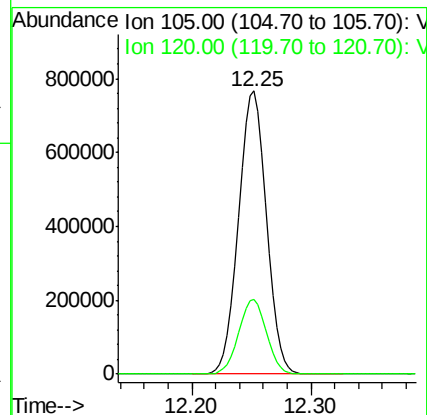
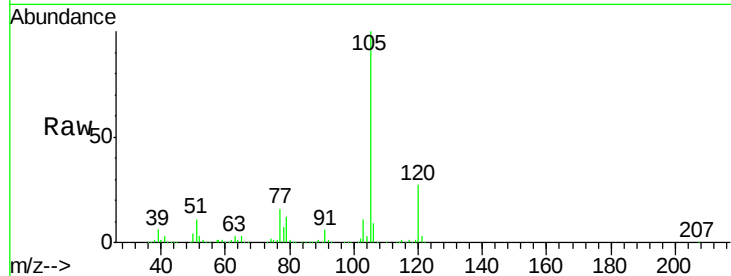
120 26.3 12.8 38.3

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#74

N-ethyl acetate

Concen: 51.075 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Tgt Ion: 43 Resp: 517594

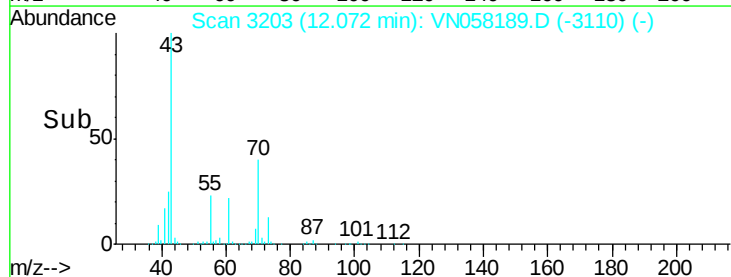
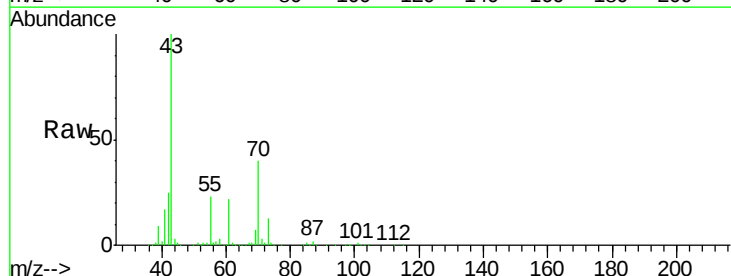
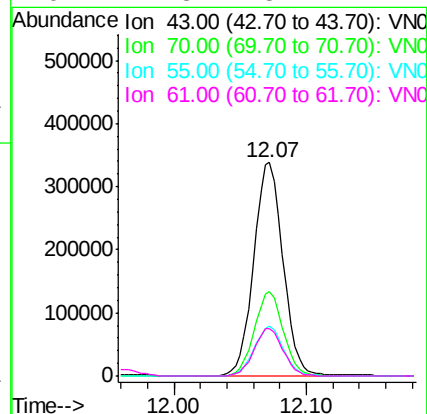
Ion Ratio Lower Upper

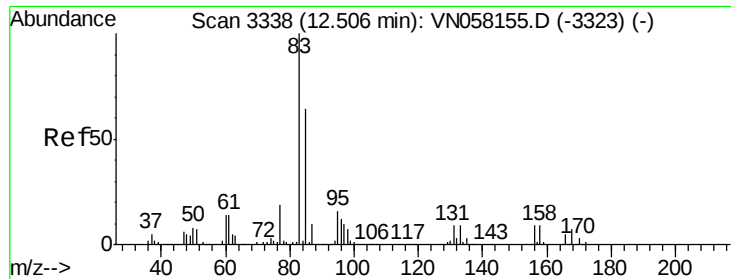
43 100

70 39.2 31.0 46.6

55 23.7 18.5 27.7

61 22.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.311 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

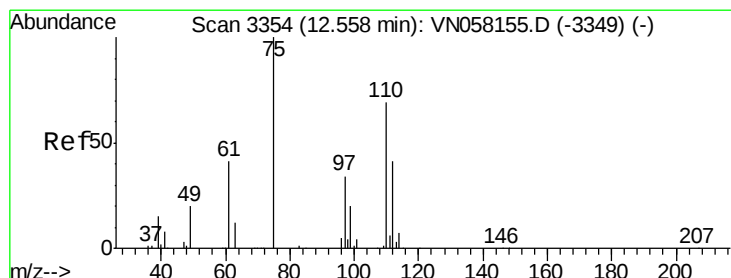
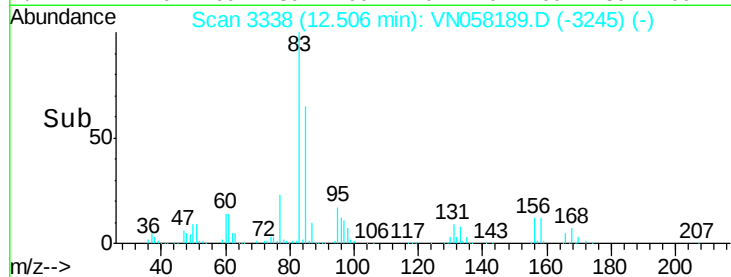
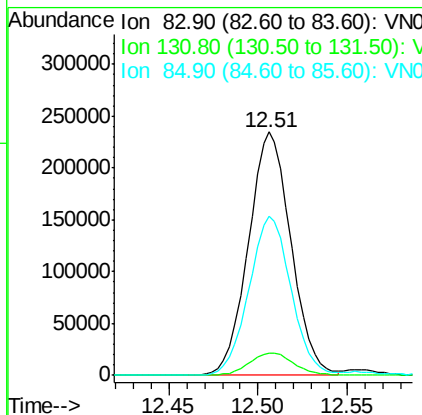
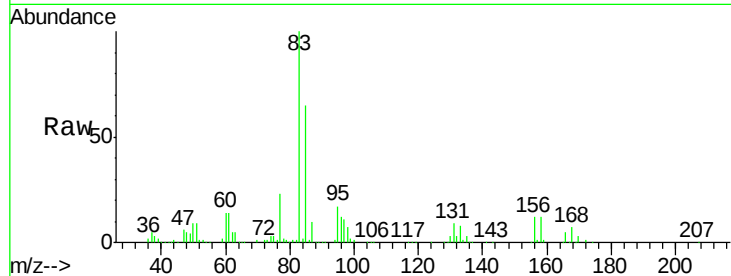
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	391903
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.3
85	64.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.587 ug/l m

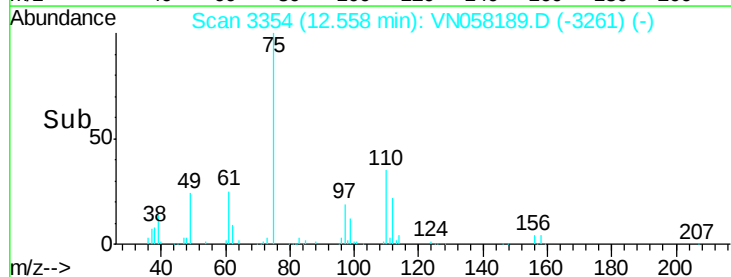
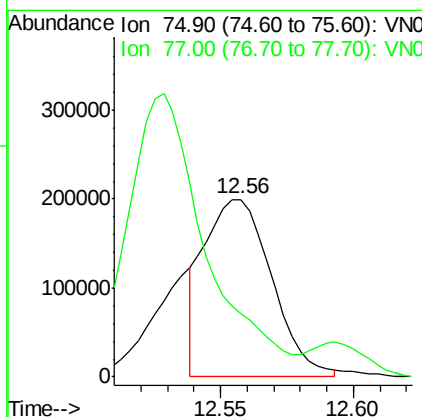
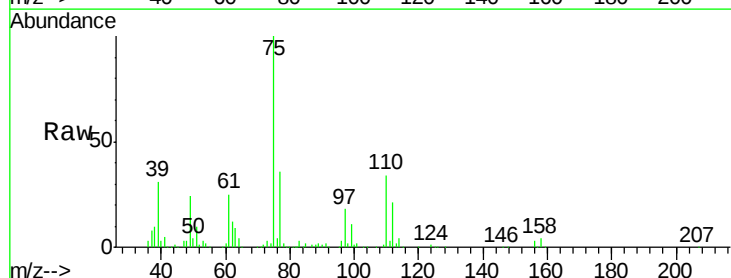
RT: 12.56 min Scan# 3354

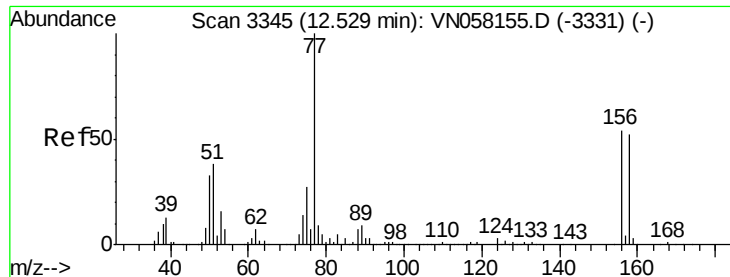
Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Tgt Ion:	75	Resp:	350374
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.770 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 297178

Ion Ratio Lower Upper

156 100

77 219.4 111.7 335.1

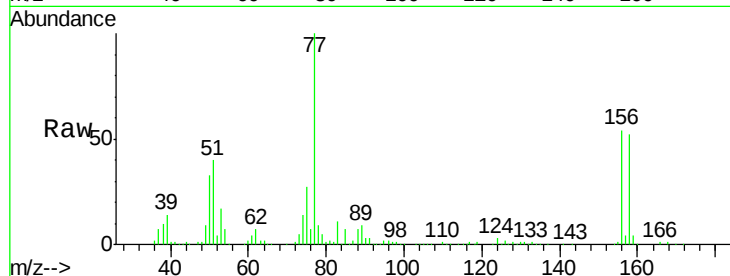
158 97.3 47.9 143.8

Manual Integrations

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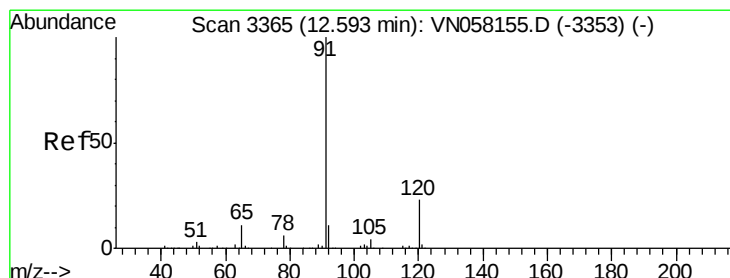
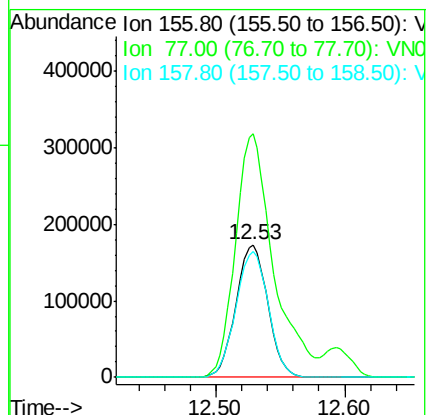
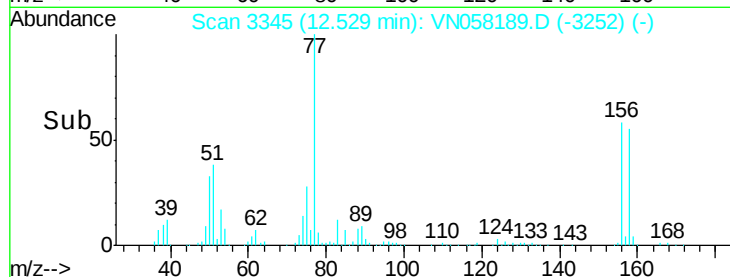
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.044 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058189.D

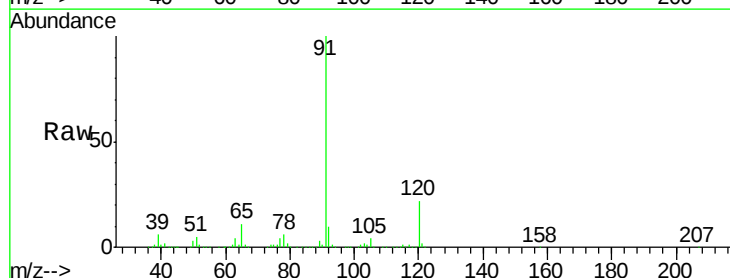
Acq: 19 Sep 2019 8:55

Tgt Ion: 91 Resp: 1487673

Ion Ratio Lower Upper

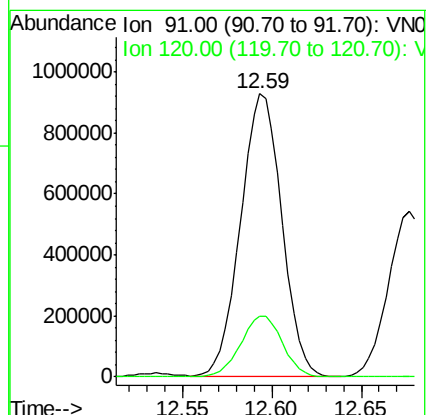
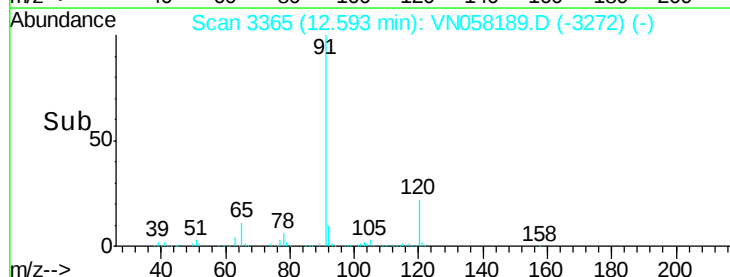
91 100

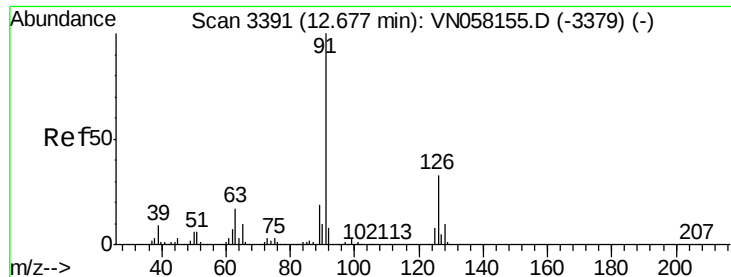
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.451 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 885136

Ion Ratio Lower Upper

91 100

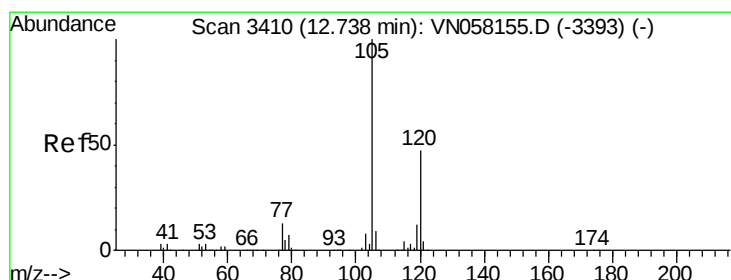
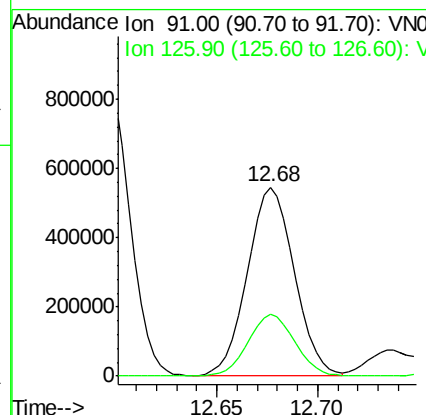
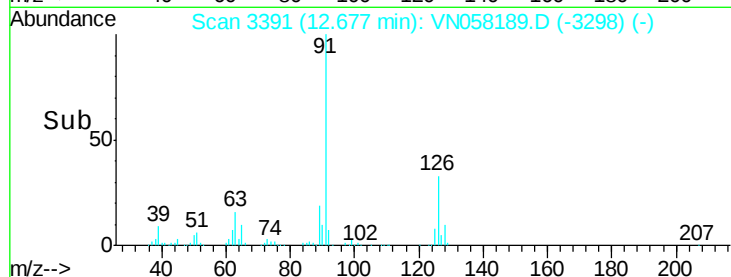
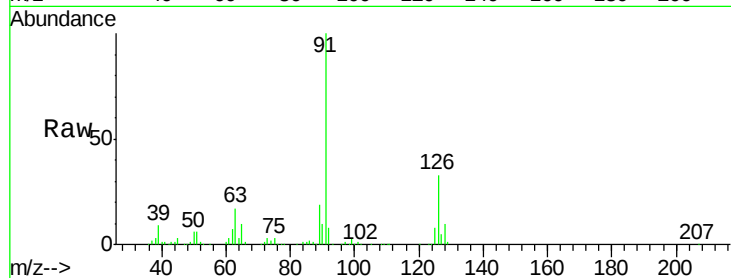
126 32.8 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.927 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058189.D

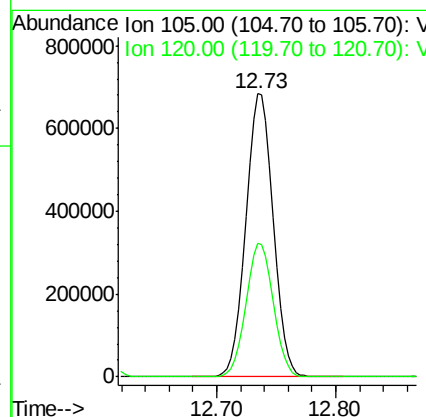
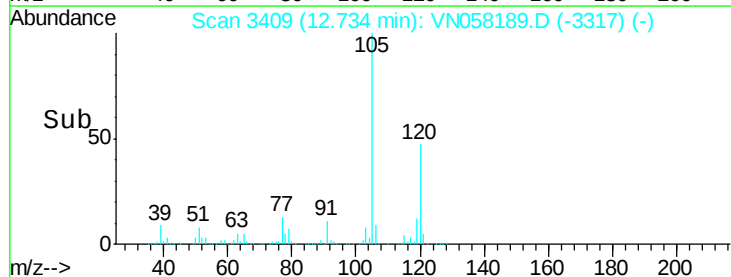
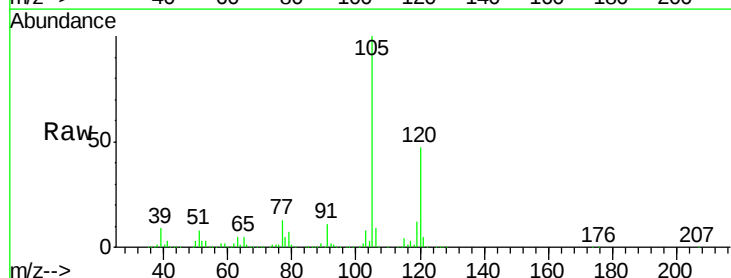
Acq: 19 Sep 2019 8:55

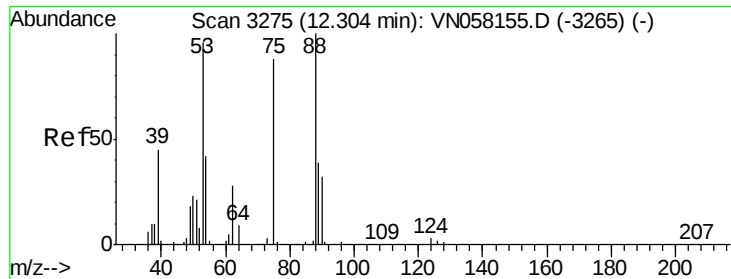
Tgt Ion: 105 Resp: 1084183

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





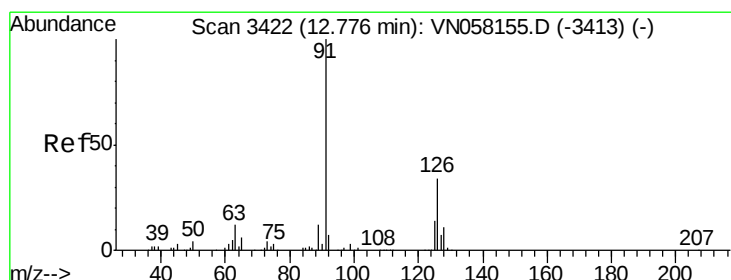
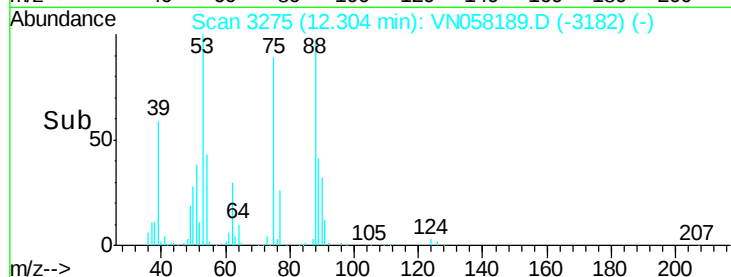
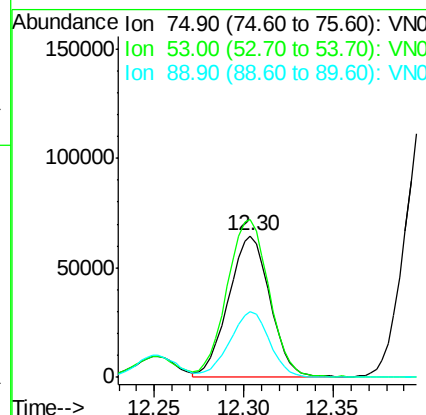
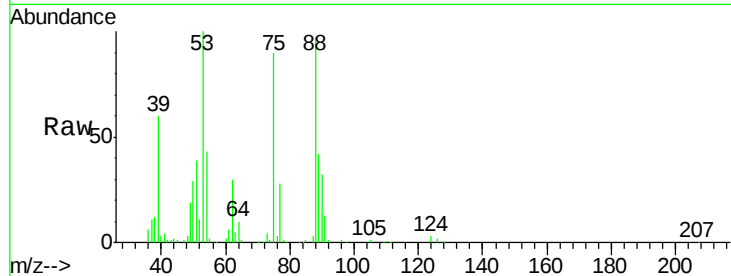
#81
trans-1,4-Dichloro-2-butene
Concen: 45.736 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.8	90.1	135.1
89	44.6	36.2	54.2

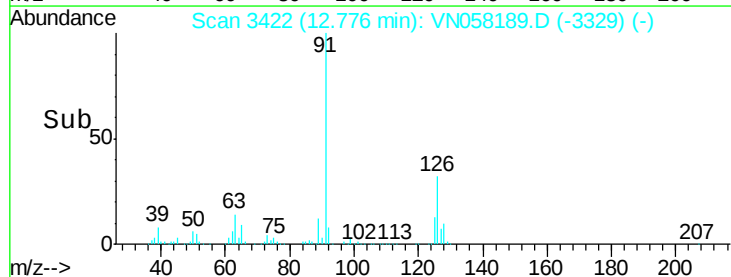
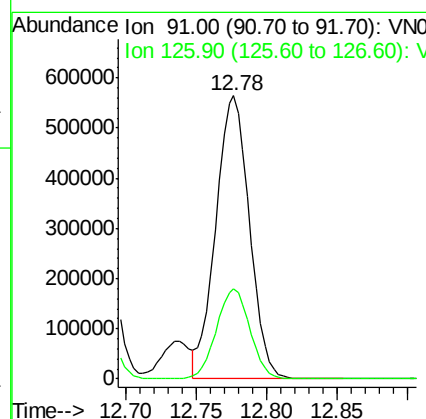
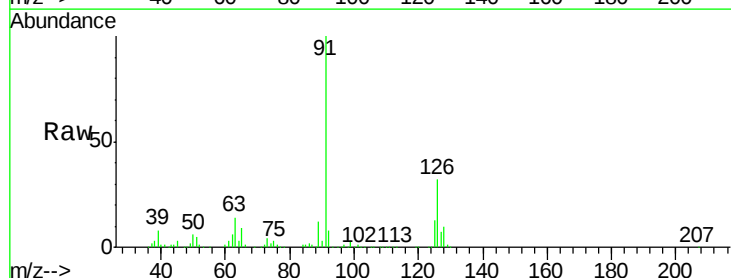
Manual Integrations
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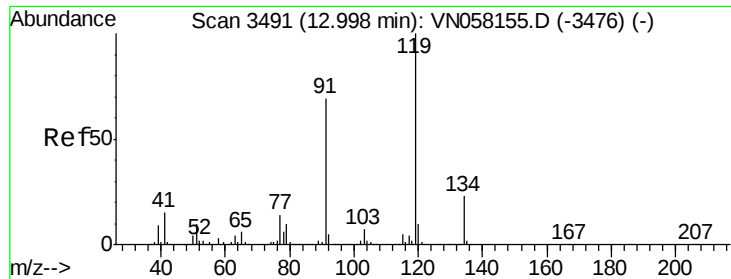
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.452 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1





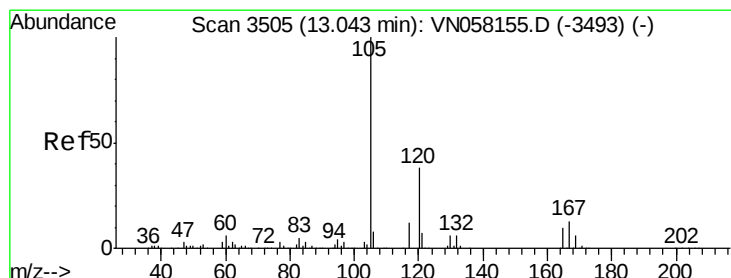
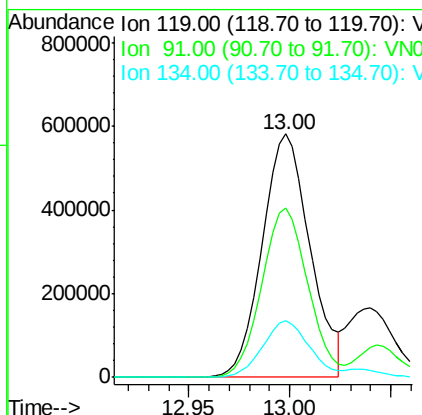
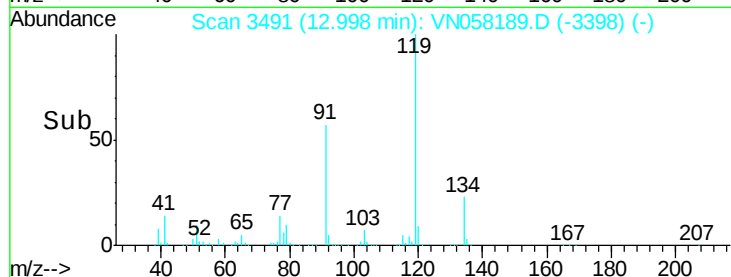
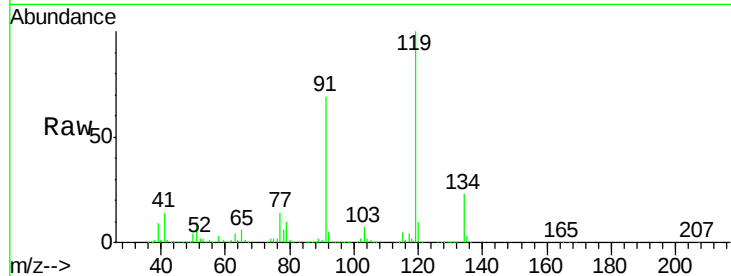
#83
 tert-Butylbenzene
 Concen: 52.654 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	961855		
91	67.3		33.8	101.3
134	23.0		11.6	34.8

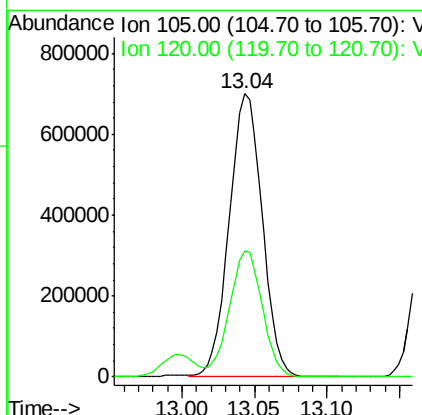
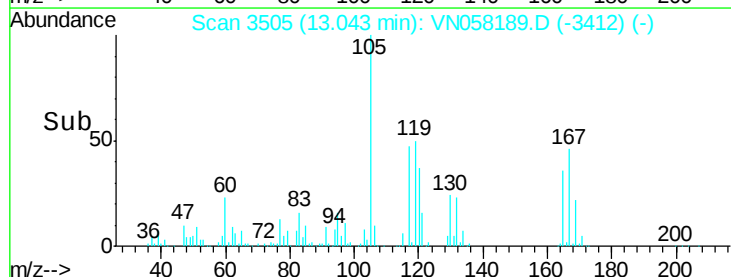
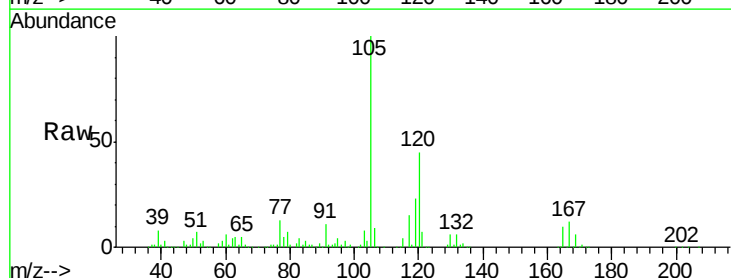
Manual Integrations
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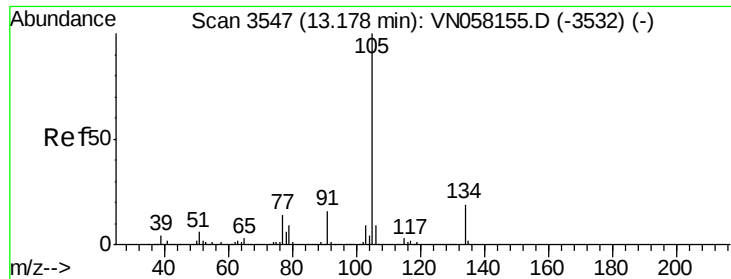
MMDadoda
 9/20/2019 3:37:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.227 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1105425		
120	44.3		22.1	66.5





#85

sec-Butylbenzene

Concen: 54.451 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1300731

Ion Ratio Lower Upper

105 100

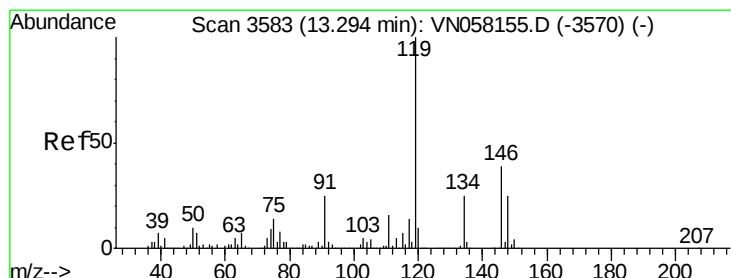
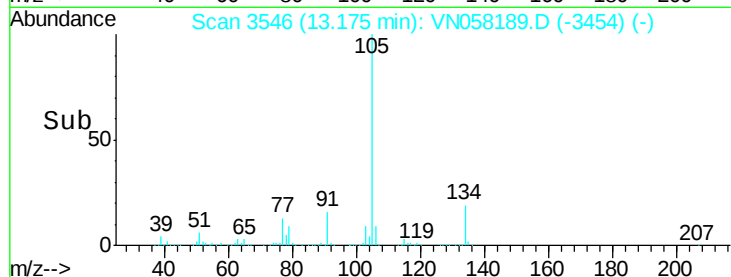
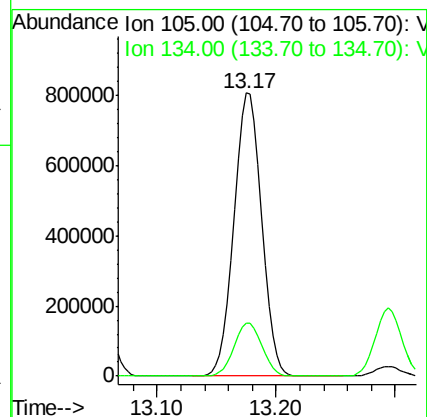
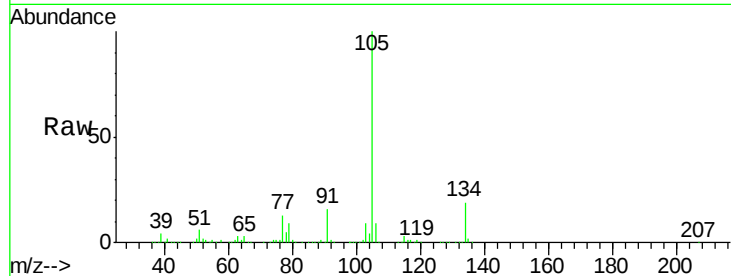
134 18.9 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 55.361 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

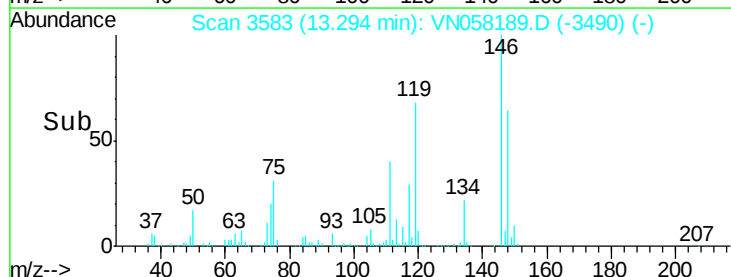
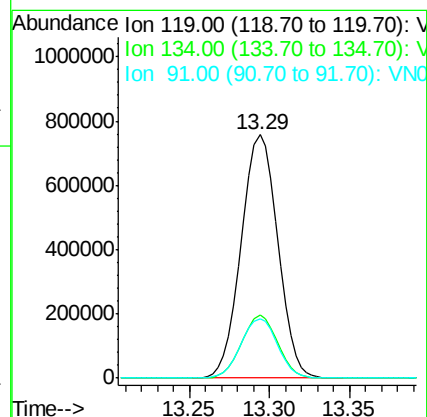
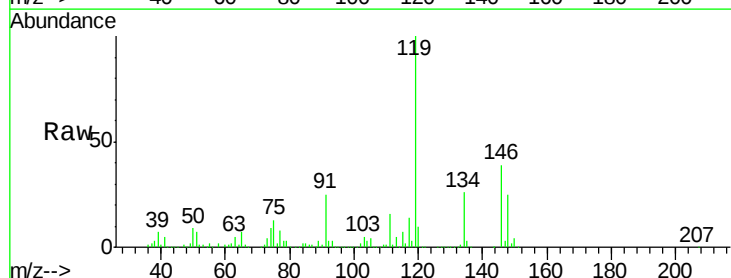
Tgt Ion:119 Resp: 1175687

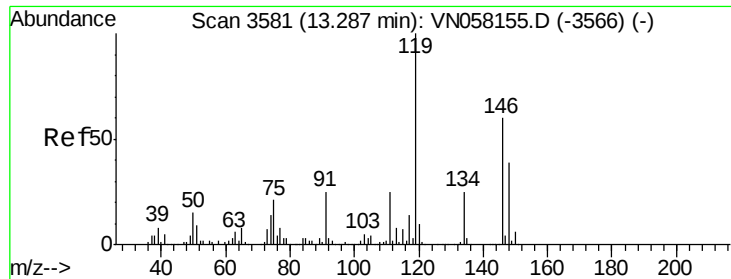
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 52.217 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

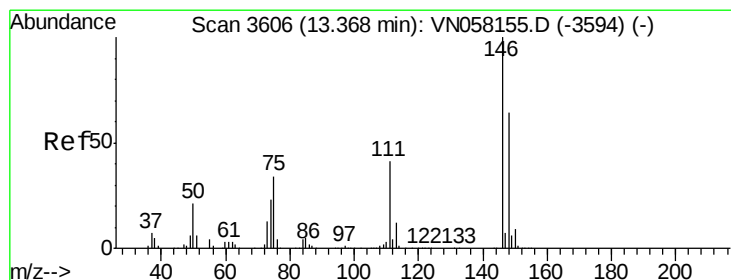
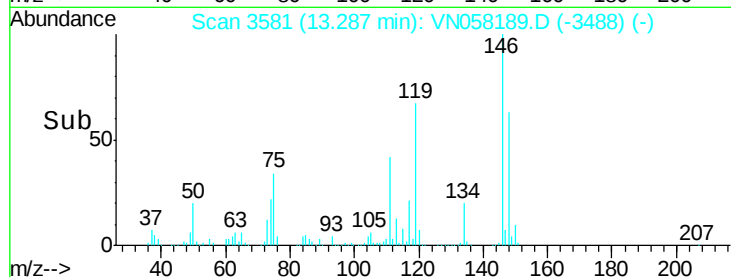
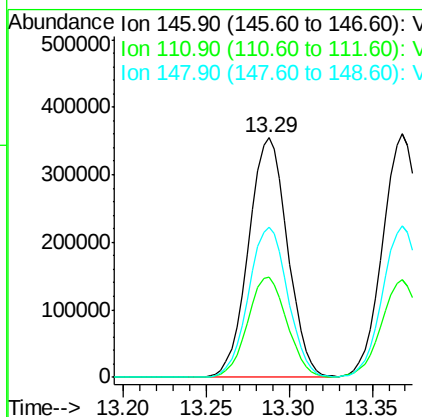
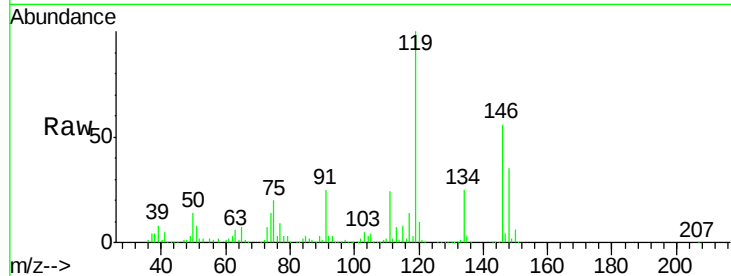
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	581149
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.9	62.8
148	63.1	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.187 ug/l

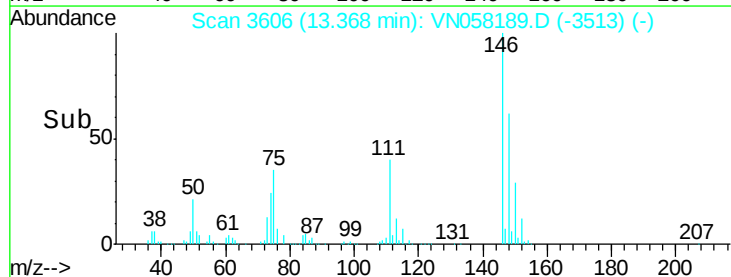
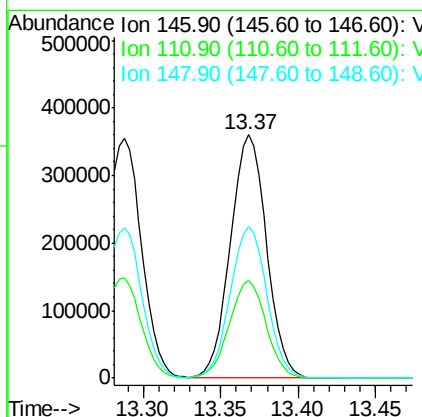
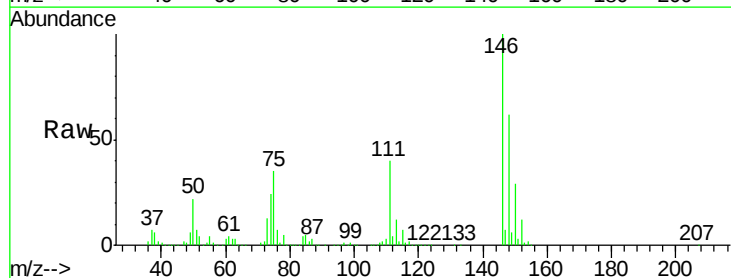
RT: 13.37 min Scan# 3606

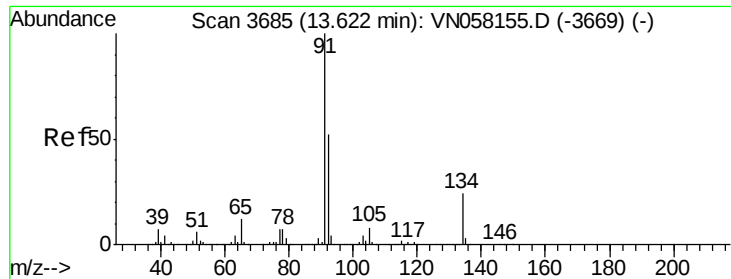
Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Tgt Ion:	146	Resp:	581601
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.5	61.5
148	62.9	31.9	95.5





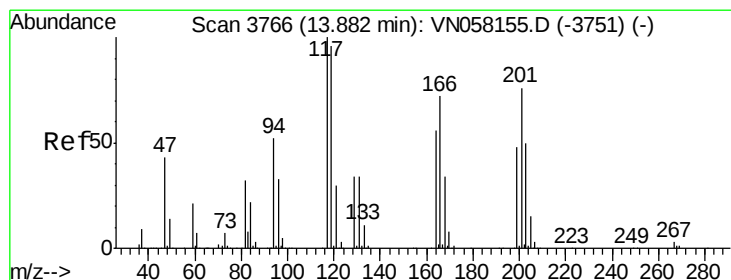
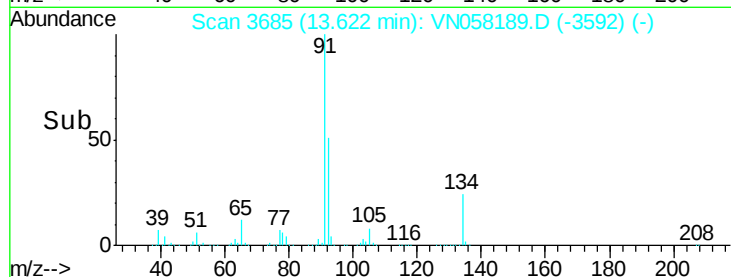
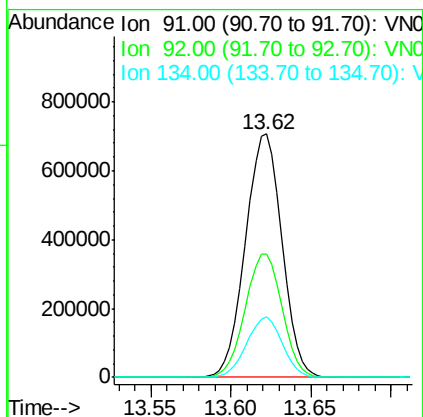
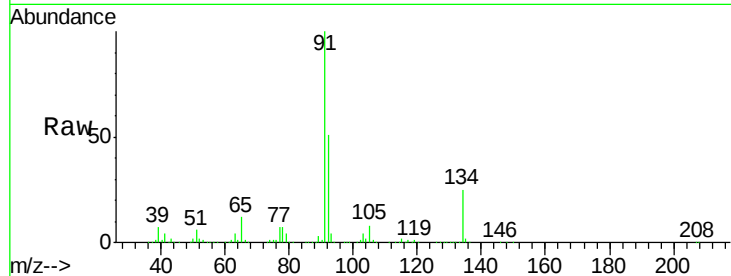
#89
n-Butylbenzene
Concen: 54.754 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1102419
Ion Ratio Lower Upper
91 100
92 51.1 25.7 77.0
134 24.4 11.8 35.4

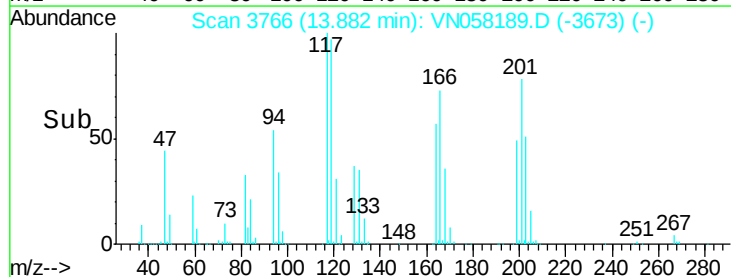
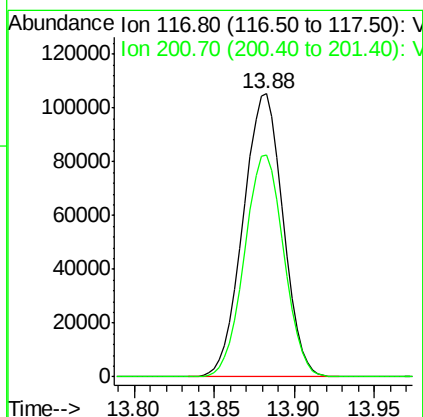
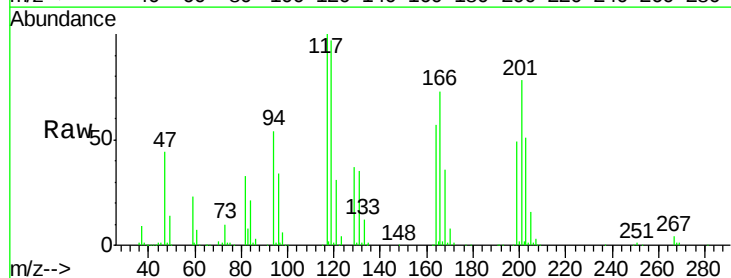
Manual Integrations
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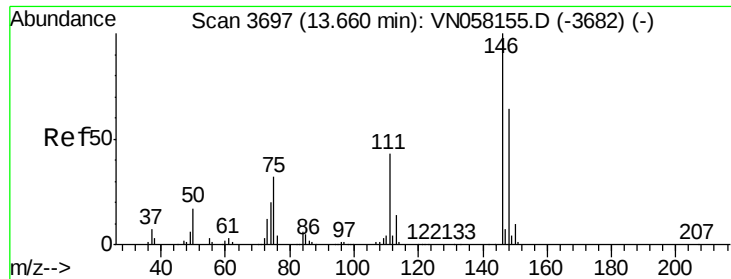
MMDadoda
9/20/2019 3:37:14 PM



#90
Hexachloroethane
Concen: 48.294 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 117 Resp: 179466
Ion Ratio Lower Upper
117 100
201 77.2 37.5 112.5





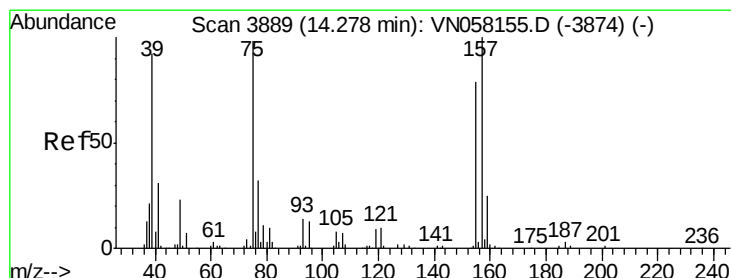
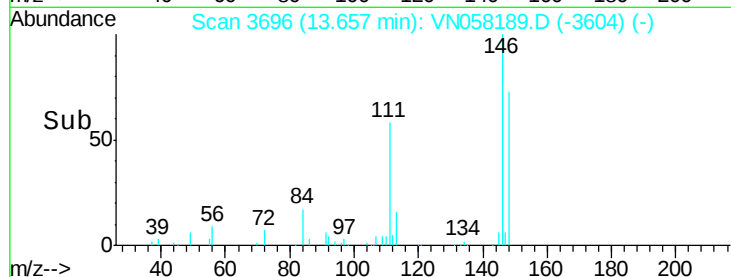
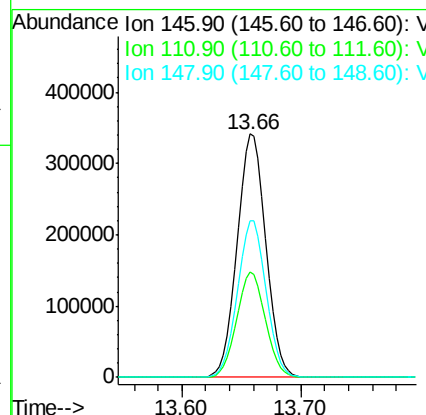
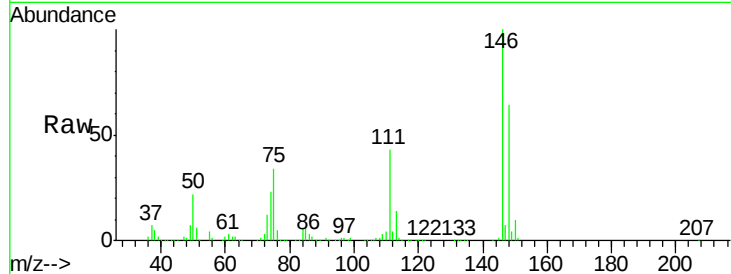
#91
 1,2-Dichlorobenzene
 Concen: 51.146 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.1
148	64.2	31.8	95.4

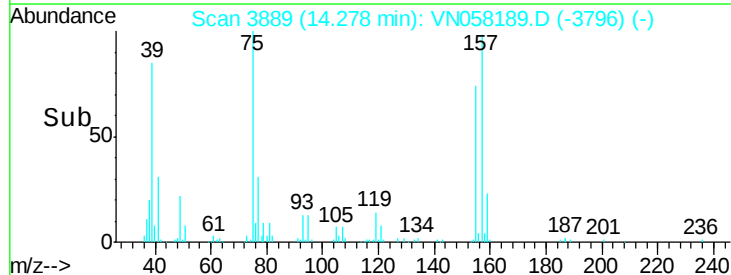
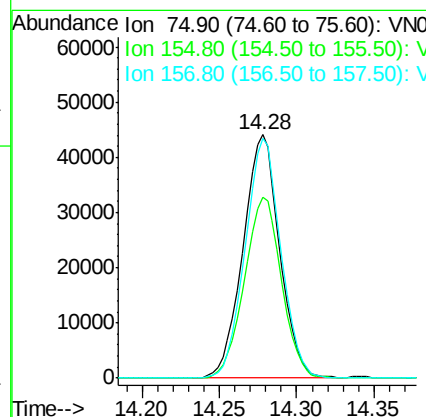
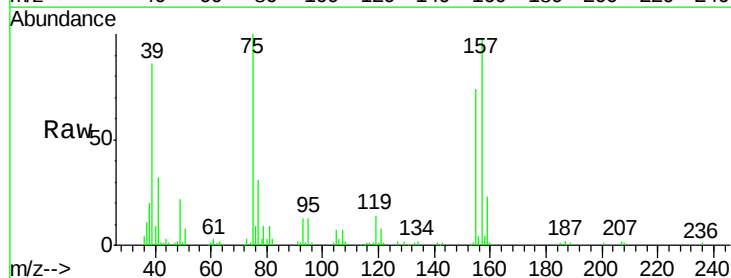
Manual Integrations
 APPROVED

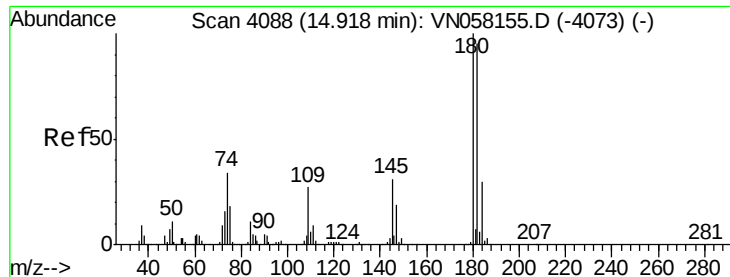
MMDadoda
 9/20/2019 3:37:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.572 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	38.3	114.8
157	96.2	48.0	144.0





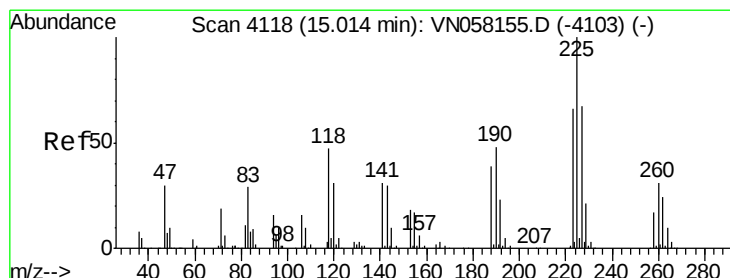
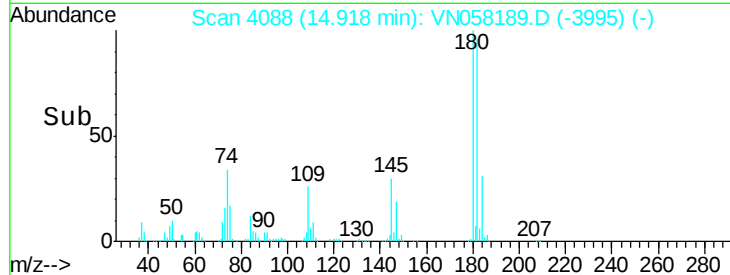
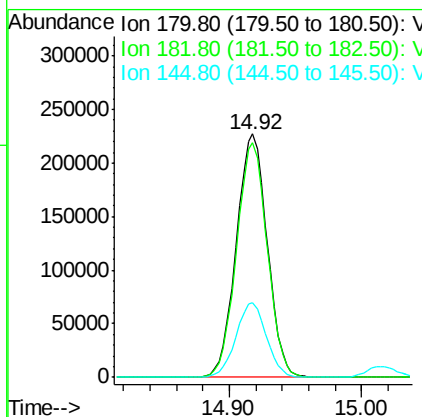
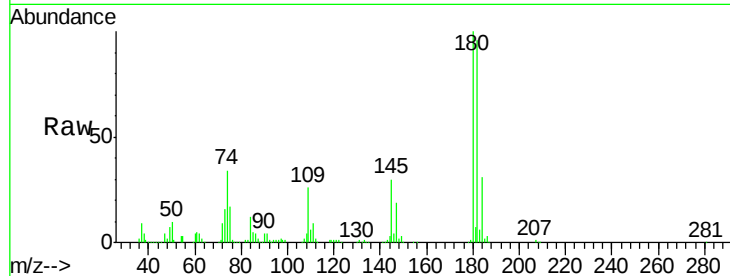
#93
 1,2,4-Trichlorobenzene
 Concen: 51.579 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	367912		
182	95.4	47.8	143.3	
145	30.1	15.4	46.4	

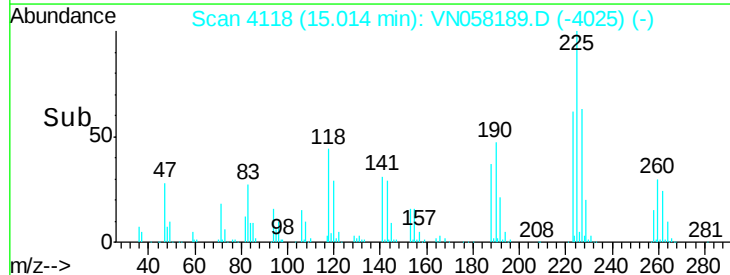
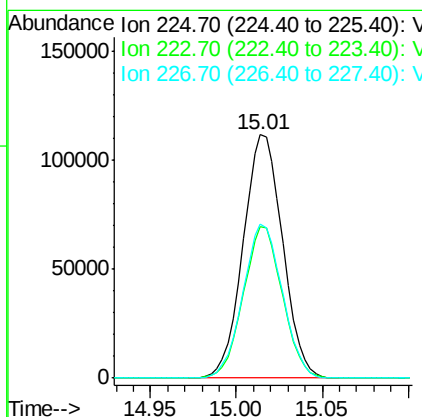
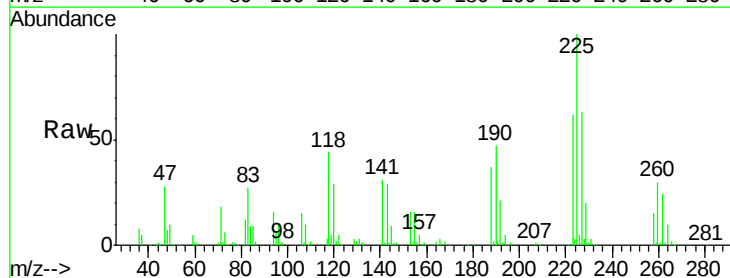
Manual Integrations
 APPROVED

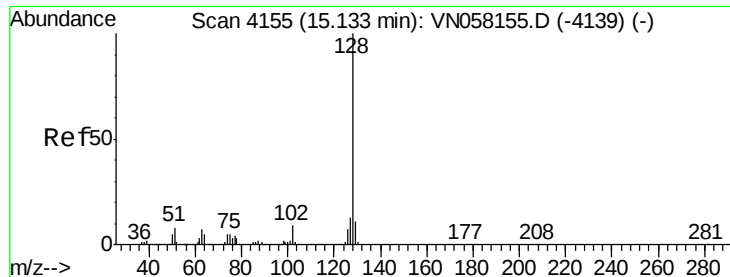
MMDadoda
 9/20/2019 3:37:14 PM



#94
 Hexachlorobutadiene
 Concen: 51.639 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	178032		
223	61.8	32.6	97.7	
227	63.4	33.0	99.0	





#95

Naphthalene

Concen: 51.023 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

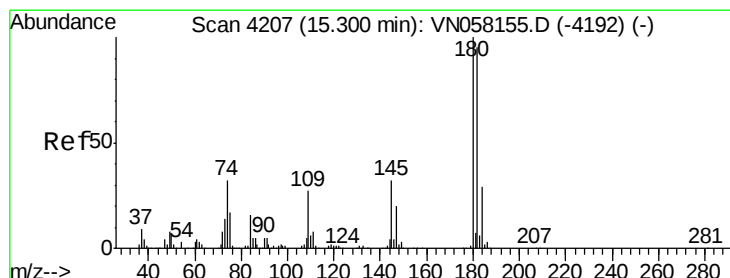
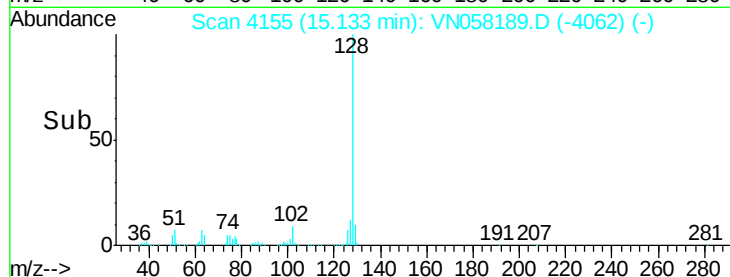
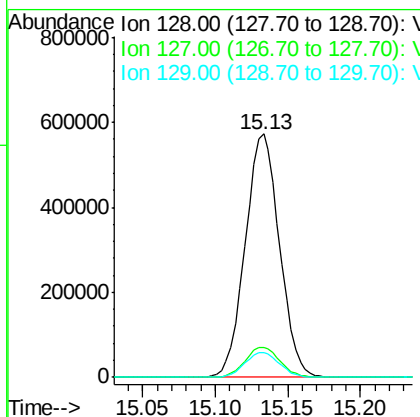
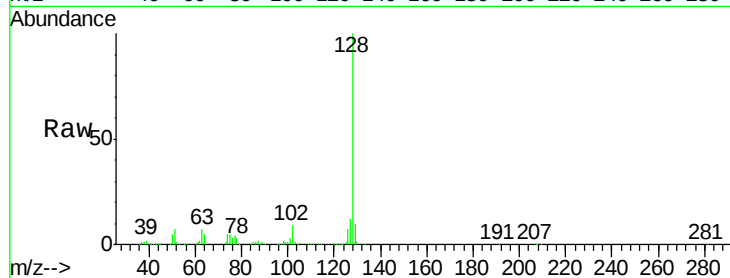
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	943193
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.4	8.6	12.8

Manual Integrations
APPROVED

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9/20/2019 3:37:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.201 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Tgt Ion:	180	Resp:	338452
Ion Ratio		Lower	Upper
180	100		
182	95.0	47.4	142.2
145	31.9	16.1	48.2

