

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058157.D
 Acq On : 18 Sep 2019 11:11
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:33 PM

Quant Time: Sep 19 02:02:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	597332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	986222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	904057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	454568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	1253288	110.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	221.14%	
35) Dibromofluoromethane	7.57	113	921807	108.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.46%	
50) Toluene-d8	10.08	98	3305577	100.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.90%	
62) 4-Bromofluorobenzene	12.40	95	1356473	107.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	704181	92.276	ug/l	99
3) Chloromethane	2.03	50	563805	72.908	ug/l	99
4) Vinyl Chloride	2.17	62	615436	75.283	ug/l	100
5) Bromomethane	2.52	94	336587m	69.678	ug/l	
6) Chloroethane	2.67	64	388012	74.088	ug/l	99
7) Trichlorofluoromethane	3.00	101	907364	87.252	ug/l	99
8) Diethyl Ether	3.39	74	435640	98.557	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	670501	100.905	ug/l	100
10) Methyl Iodide	3.93	142	664910	94.384	ug/l	99
11) Tert butyl alcohol	4.76	59	793896	588.809	ug/l	99
12) 1,1-Dichloroethene	3.72	96	548975	92.134	ug/l	97
13) Acrolein	3.59	56	122086	119.749	ug/l	98
14) Allyl chloride	4.30	41	1188662	101.444	ug/l	100
15) Acrylonitrile	4.96	53	2057160	543.247	ug/l	100
16) Acetone	3.79	43	2027745	544.765	ug/l	98
17) Carbon Disulfide	4.03	76	793104	73.017	ug/l	98
18) Methyl Acetate	4.30	43	1097550	110.176	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	2743818	110.057	ug/l	98
20) Methylene Chloride	4.53	84	744199	91.982	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	595929	92.516	ug/l	98
22) Diisopropyl ether	5.93	45	3060205	111.375	ug/l	99
23) Vinyl Acetate	5.87	43	9007461	465.252	ug/l #	83
24) 1,1-Dichloroethane	5.82	63	1557283	103.850	ug/l	100
25) 2-Butanone	6.81	43	2957214	548.505	ug/l	98
26) 2,2-Dichloropropane	6.80	77	1345046	113.028	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	869145	100.193	ug/l	98
28) Bromochloromethane	7.18	49	760891	101.604	ug/l	99
29) Tetrahydrofuran	7.19	42	1812312	545.458	ug/l	99
30) Chloroform	7.36	83	1656689	105.374	ug/l	99
31) Cyclohexane	7.64	56	1010196	91.452	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	1340807	107.610	ug/l	100
36) 1,1-Dichloropropene	7.78	75	1001159	93.411	ug/l	99
37) Ethyl Acetate	6.91	43	1137298	102.373	ug/l	99
38) Carbon Tetrachloride	7.76	117	1085561	110.473	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1040458	92.578	ug/l	99
40) Benzene	8.03	78	3065162	94.990	ug/l	98
41) Methacrylonitrile	7.15	41	553032m	109.785	ug/l	
42) 1,2-Dichloroethane	8.11	62	1331662	102.847	ug/l	100
43) Isopropyl Acetate	8.15	43	2089514	111.801	ug/l	100
44) Trichloroethene	8.82	130	781723	98.491	ug/l	100
45) 1,2-Dichloropropane	9.11	63	967570	102.662	ug/l	100
46) Dibromomethane	9.20	93	588919	103.514	ug/l	99
47) Bromodichloromethane	9.39	83	1338064	118.110	ug/l	98
48) Methyl methacrylate	9.19	41	1005596	106.672	ug/l	99
49) 1,4-Dioxane	9.19	88	317385	1981.303	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	4569007	417.812	ug/l #	79
52) Toluene	10.15	92	1996964	98.366	ug/l	91
53) t-1,3-Dichloropropene	10.38	75	1467911	123.294	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1534036	116.636	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	925849	107.528	ug/l	99
56) Ethyl methacrylate	10.43	69	1458905	113.093	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1559725	105.080	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	3262090	542.039	ug/l	93
59) 2-Hexanone	10.75	43	3758242	459.668	ug/l	86
60) Dibromochloromethane	10.90	129	1029689	128.973	ug/l	99
61) 1,2-Dibromoethane	11.00	107	869279	107.075	ug/l	99
64) Tetrachloroethene	10.63	164	631334	100.139	ug/l	98
65) Chlorobenzene	11.43	112	2287304	102.763	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	936787	120.987	ug/l	100
67) Ethyl Benzene	11.51	91	3532203	90.643	ug/l #	78
68) m/p-Xylenes	11.62	106	2950140	206.754	ug/l #	72
69) o-Xylene	11.95	106	1546042	109.324	ug/l	85
70) Styrene	11.97	104	2662300	109.408	ug/l	96
71) Bromoform	12.13	173	692710	144.034	ug/l	99
73) Isopropylbenzene	12.25	105	3602722	105.754	ug/l	88
74) N-amyl acetate	12.07	43	1971763	133.741	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1435492	125.225	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1212814m	122.960	ug/l	
77) Bromobenzene	12.53	156	1040631	121.865	ug/l	99
78) n-propylbenzene	12.60	91	3923738	100.448	ug/l	85
79) 2-Chlorotoluene	12.68	91	2858155	115.482	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	3234744	112.254	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.30	75	456038	163.437	ug/l	96
82) 4-Chlorotoluene	12.78	91	3010985	118.449	ug/l	94
83) tert-Butylbenzene	13.00	119	3018873	117.902	ug/l	94
84) 1,2,4-Trimethylbenzene	13.05	105	3217423	110.168	ug/l	88
85) sec-Butylbenzene	13.18	105	3601686	106.273	ug/l	90
86) p-Isopropyltoluene	13.29	119	3335862	111.859	ug/l	88
87) 1,3-Dichlorobenzene	13.29	146	1974553	126.585	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1983825	124.861	ug/l	99
89) n-Butylbenzene	13.62	91	3280036	116.066	ug/l	87
90) Hexachloroethane	13.88	117	696278	156.110	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	1981098	126.781	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	305729	160.805	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	1411422	136.700	ug/l	100
94) Hexachlorobutadiene	15.02	225	629564	142.210	ug/l	97
95) Naphthalene	15.13	128	3405691	115.126	ug/l	95
96) 1,2,3-Trichlorobenzene	15.30	180	1327672	131.462	ug/l	100

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

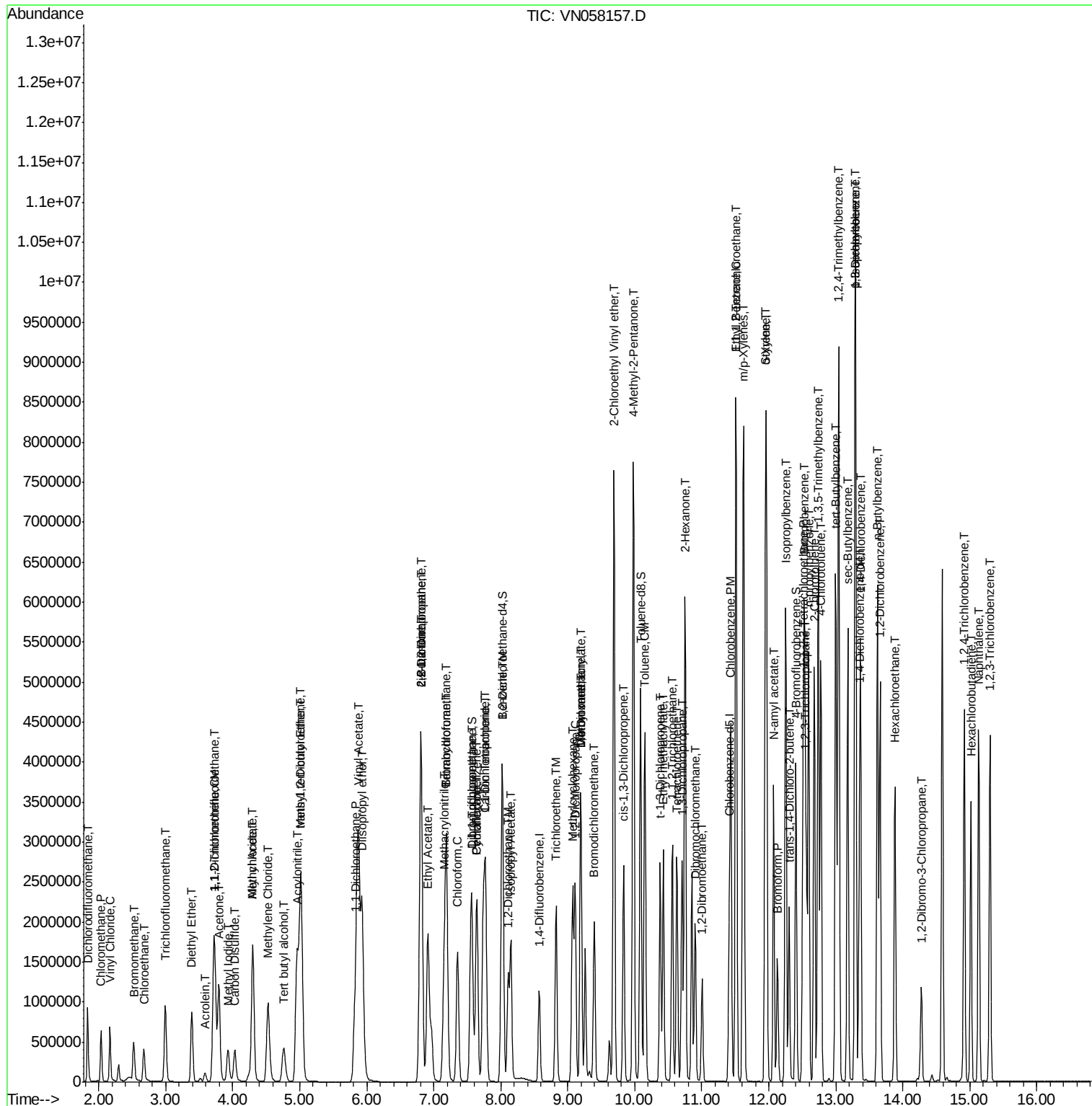
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Operator : JC/SP
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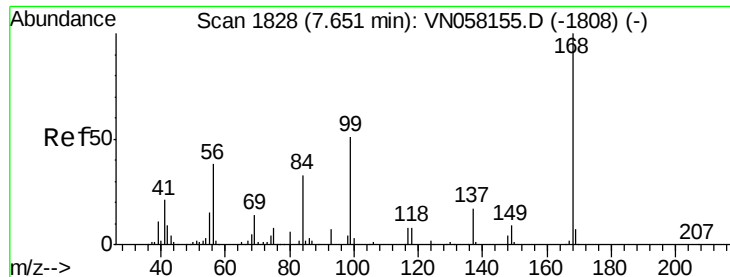
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
APPROVED

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 597332

Ion Ratio Lower Upper

168 100

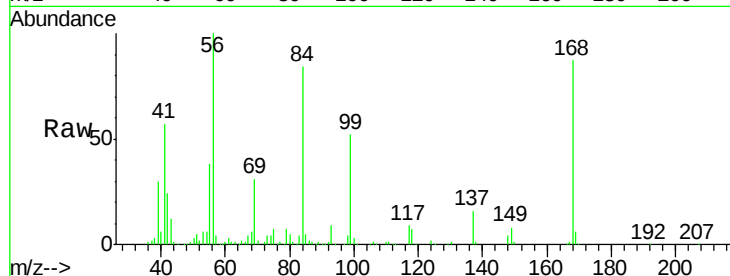
99 60.2 47.4 71.2

Manual Integrations

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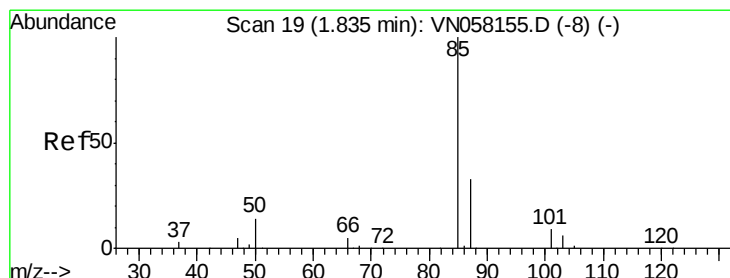
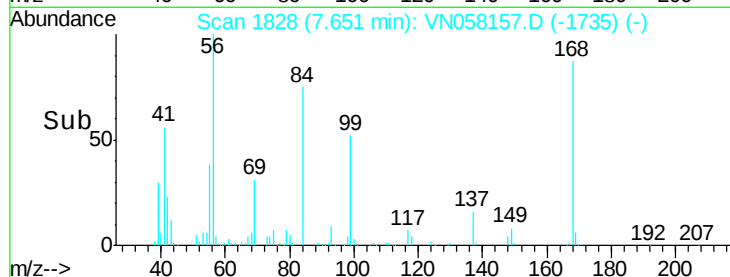
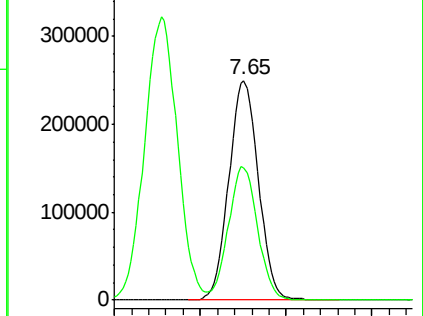
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 92.276 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058157.D

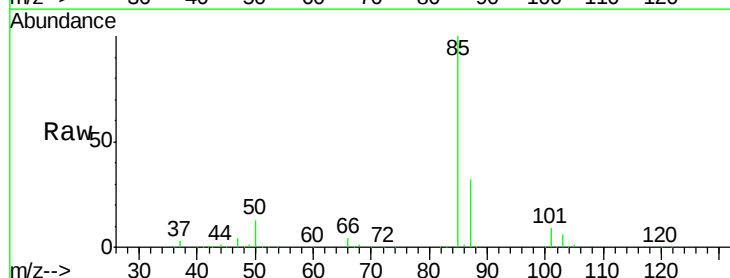
Acq: 18 Sep 2019 11:11

Tgt Ion: 85 Resp: 704181

Ion Ratio Lower Upper

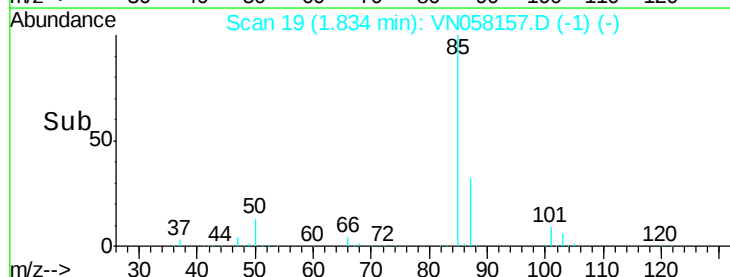
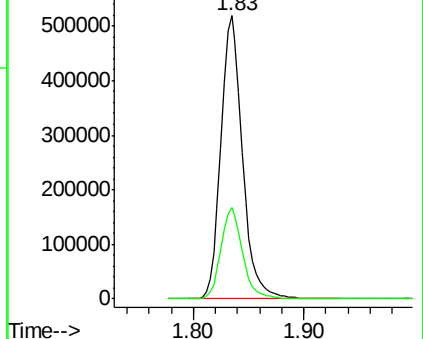
85 100

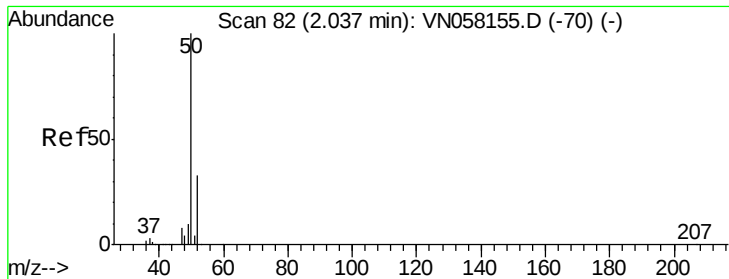
87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 72.908 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Tot Ion: 50 Resp: 563805

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5

Instrument :

MSVOA_N

ClientSampleId :

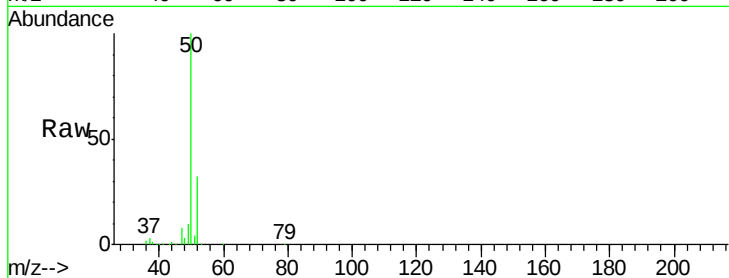
VSTDIC150

Manual Integrations

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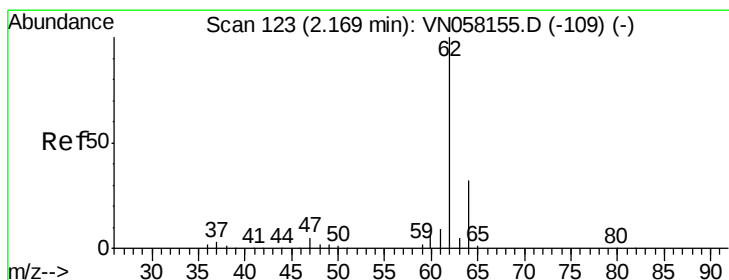
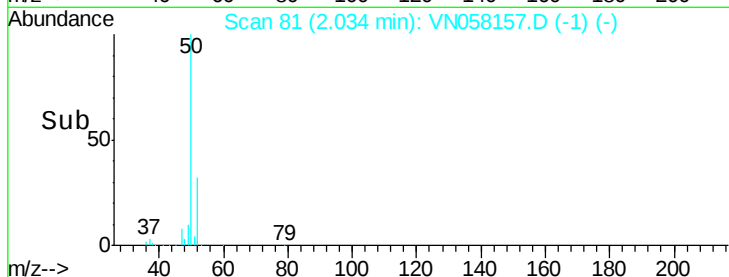
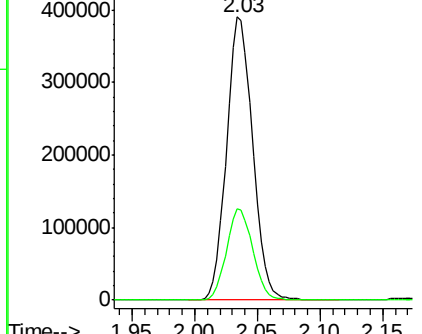
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 75.283 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058157.D

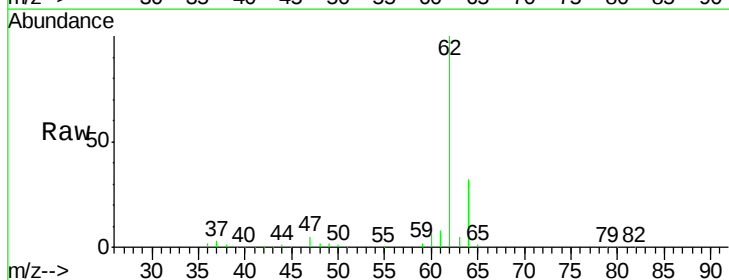
Acq: 18 Sep 2019 11:11

Tgt Ion: 62 Resp: 615436

Ion Ratio Lower Upper

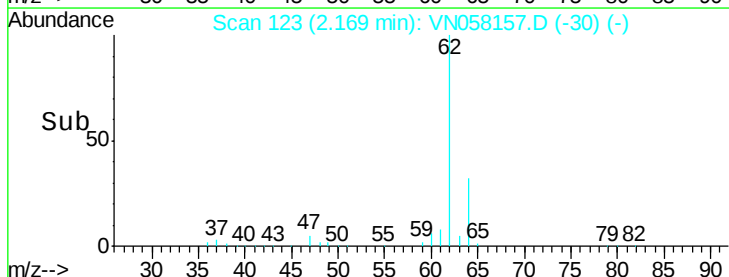
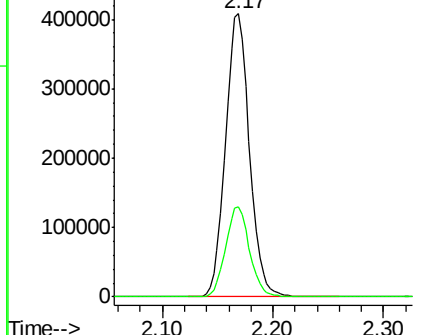
62 100

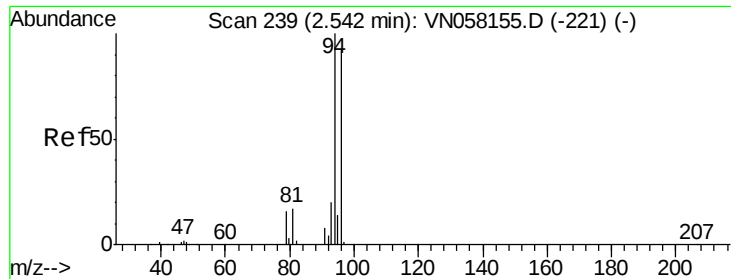
64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 69.678 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

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ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 336587

Ion Ratio Lower Upper

94 100

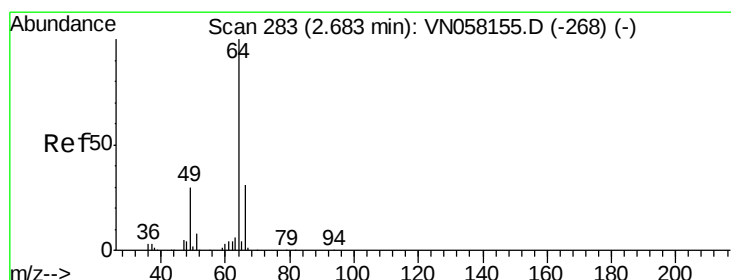
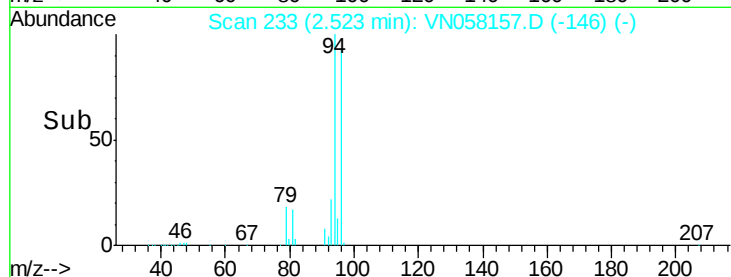
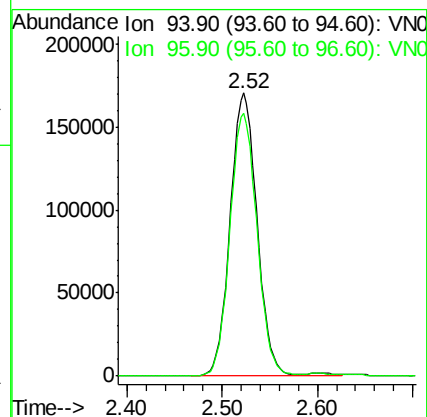
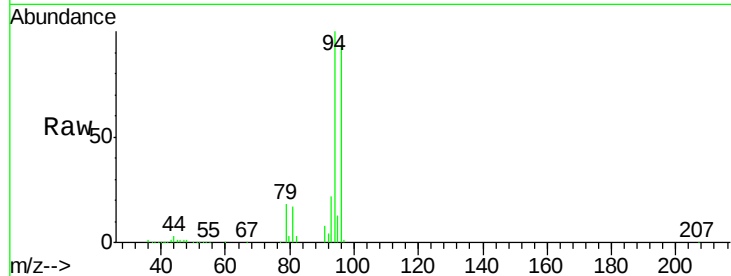
96 93.1 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 74.088 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN058157.D

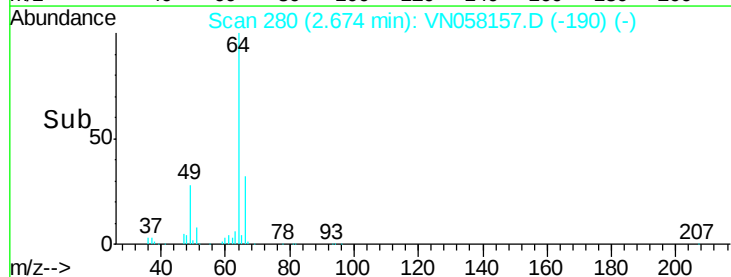
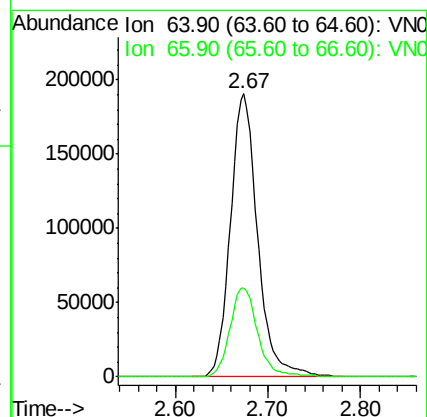
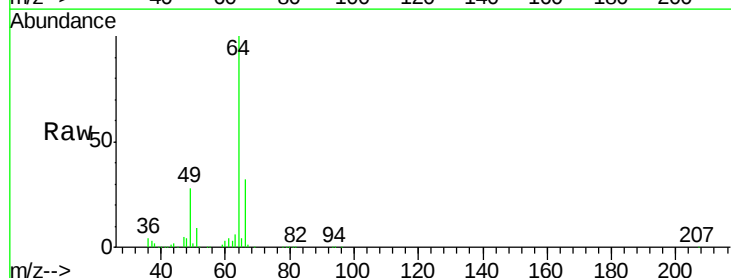
Acq: 18 Sep 2019 11:11

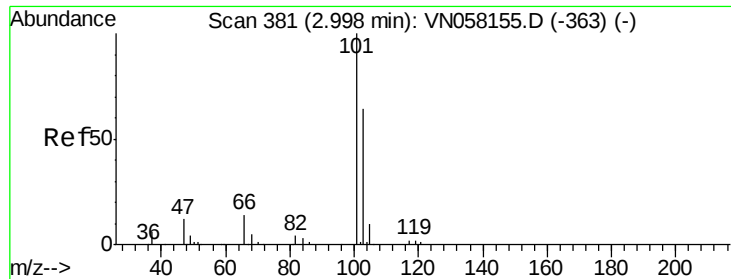
Tgt Ion: 64 Resp: 388012

Ion Ratio Lower Upper

64 100

66 31.6 24.6 37.0





#7

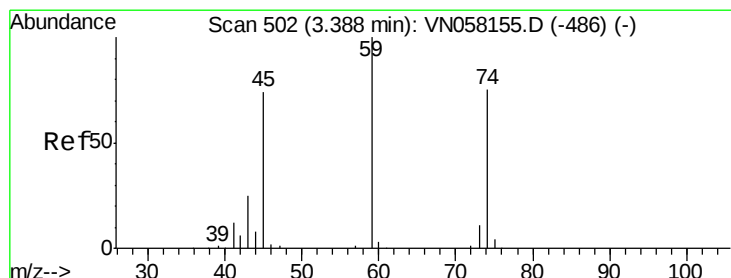
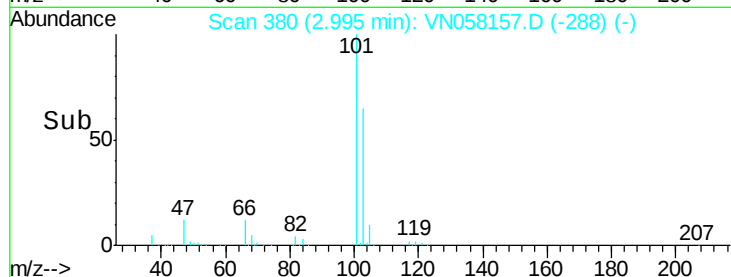
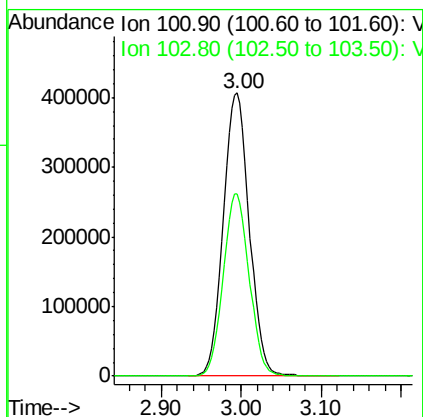
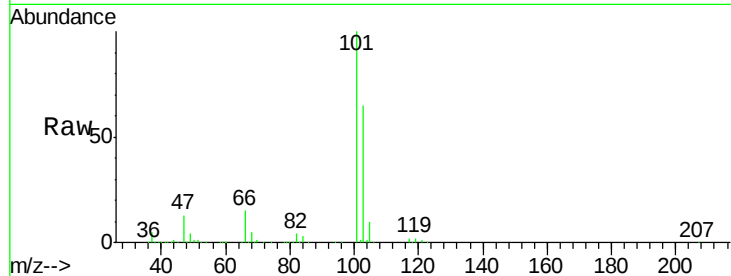
Trichlorofluoromethane
 Concen: 87.252 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.0	76.6

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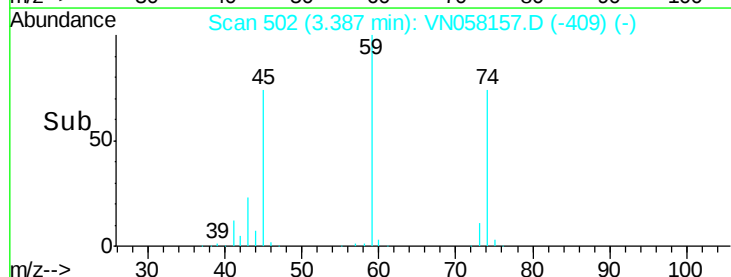
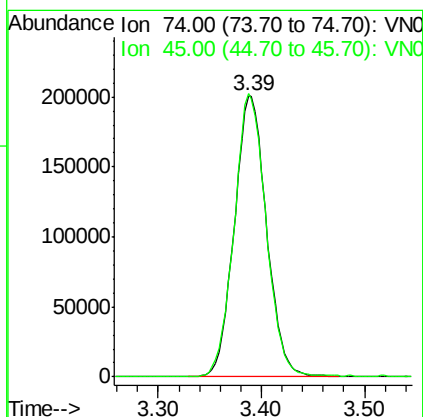
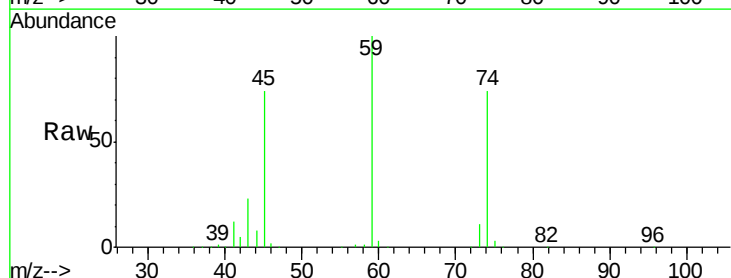
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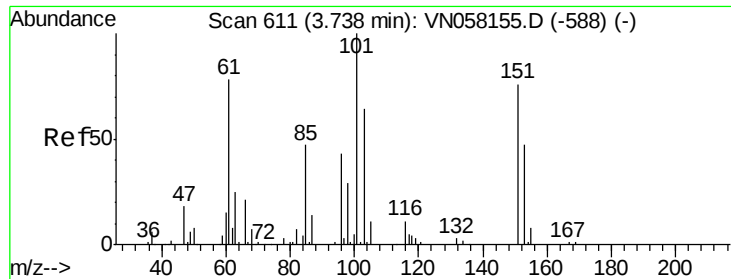


#8

Diethyl Ether
 Concen: 98.557 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.905 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

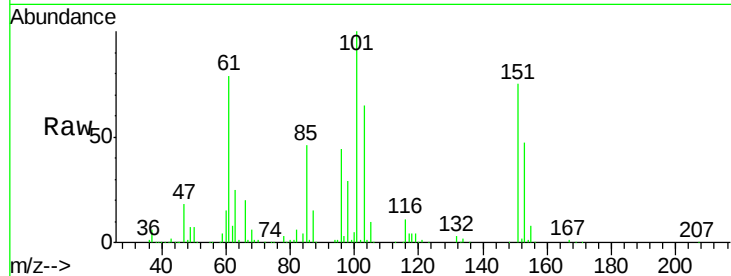
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	670501
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.3	55.9
151	74.5	59.6	89.4

Manual Integrations
APPROVED

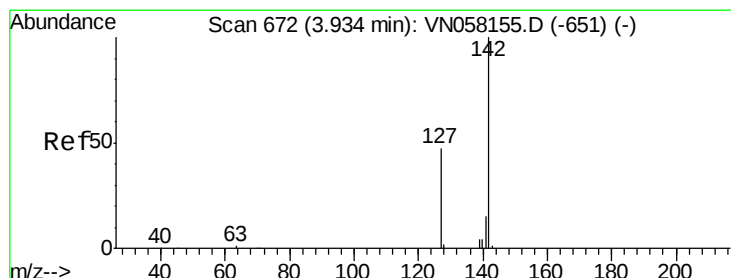
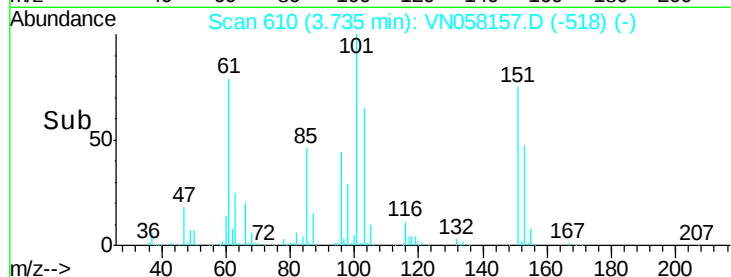
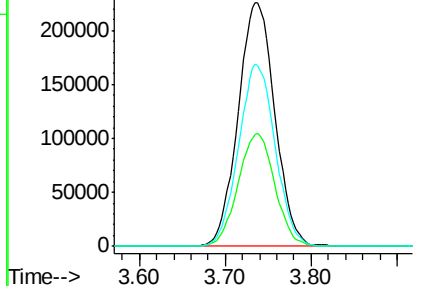
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 94.384 ug/l

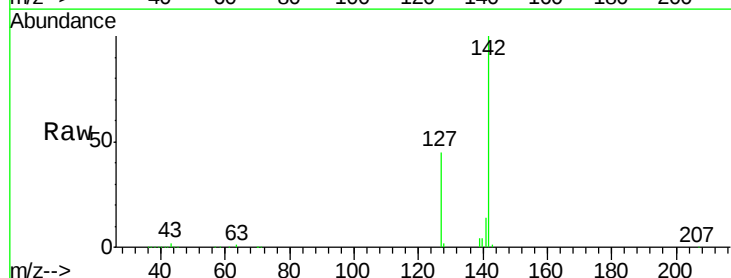
RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

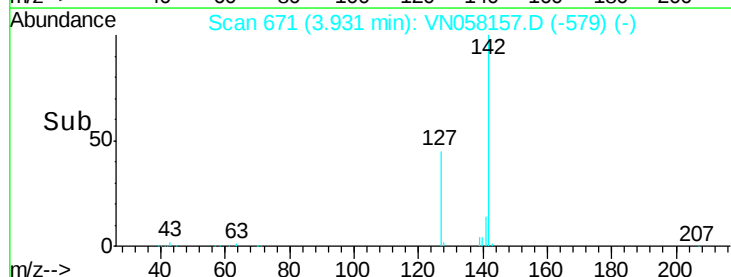
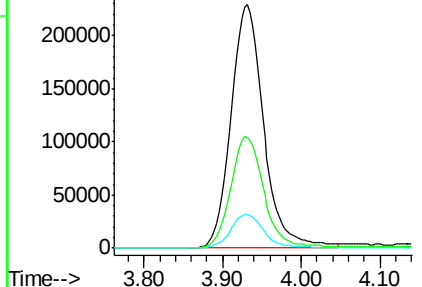
Tgt Ion:	142	Resp:	664910
Ion Ratio	Lower	Upper	
142	100		
127	45.8	37.5	56.3
141	14.0	11.4	17.2

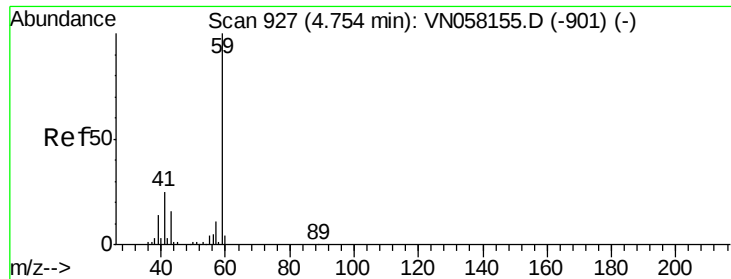


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

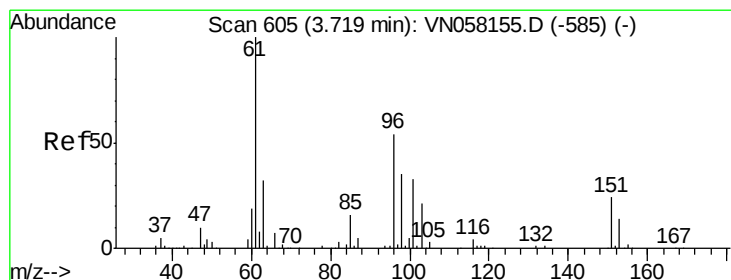
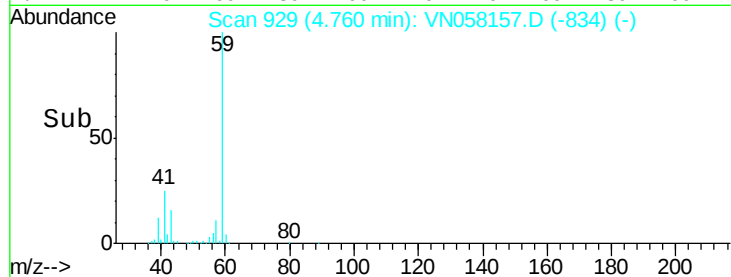
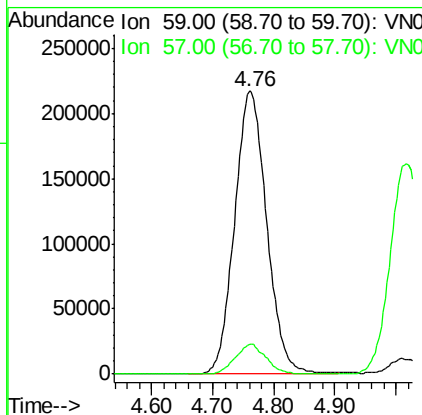
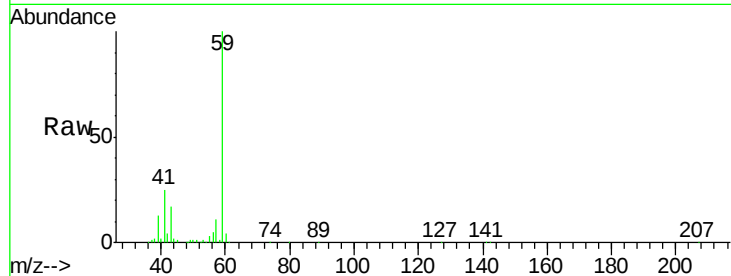
Tert butyl alcohol
Concen: 588.809 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	793896		
57	10.2		8.6	13.0

Manual Integrations
APPROVED

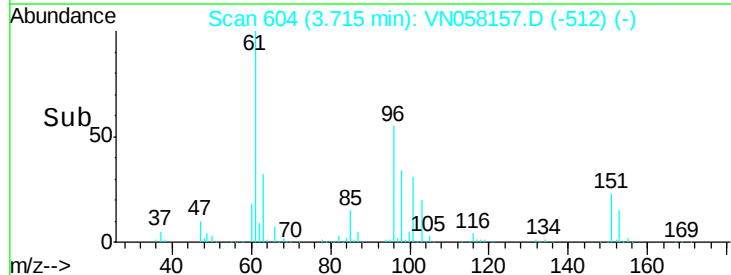
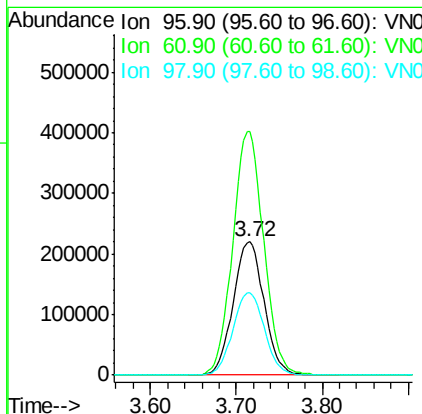
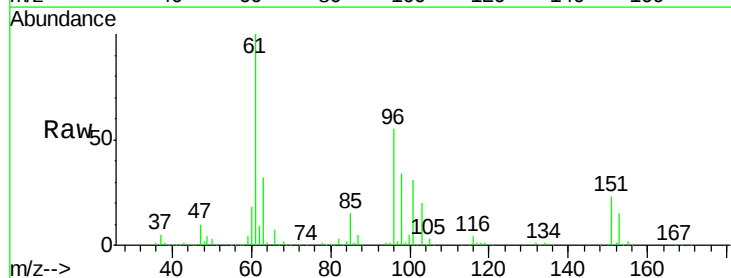
MMDadoda
9/20/2019 1:14:33 PM



#12

1,1-Dichloroethene
Concen: 92.134 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	548975		
61	182.8		149.5	224.3
98	62.2		52.4	78.6





#13

Acrolein

Concen: 119.749 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 122086

Ion Ratio Lower Upper

56 100

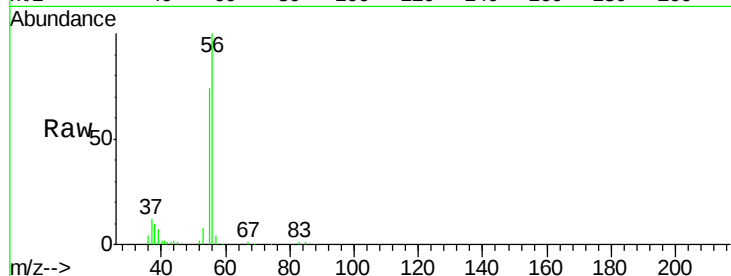
55 72.0 56.1 84.1

Manual Integrations

APPROVED

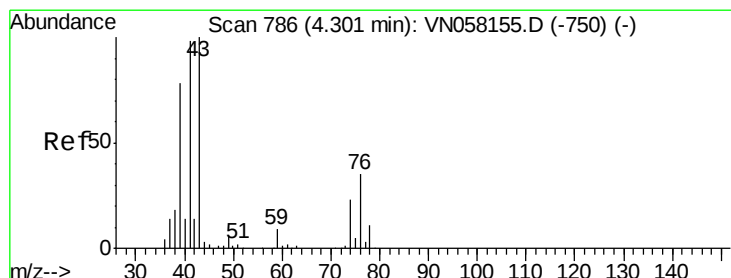
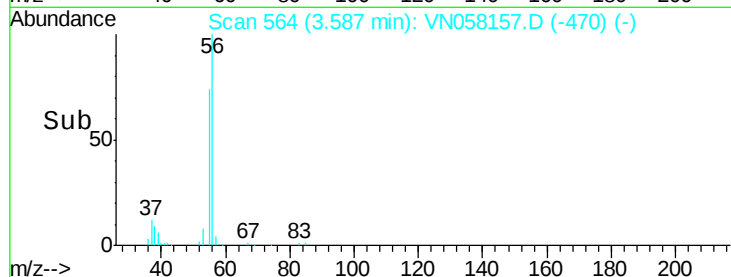
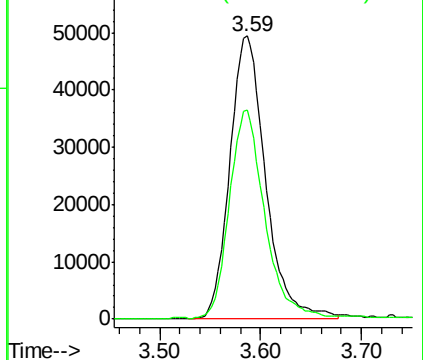
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 101.444 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

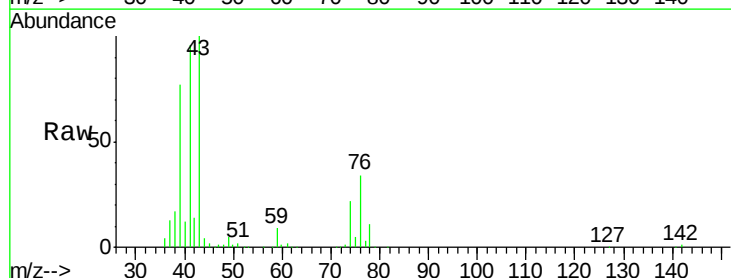
Tgt Ion: 41 Resp: 1188662

Ion Ratio Lower Upper

41 100

39 74.0 59.1 88.7

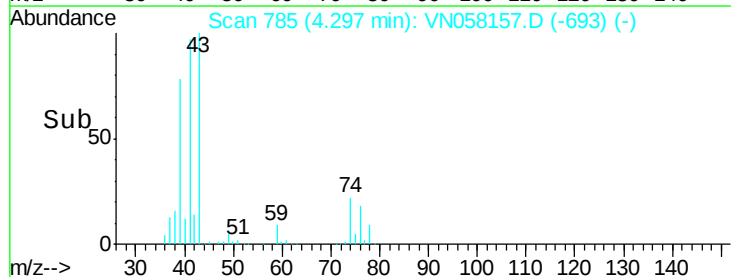
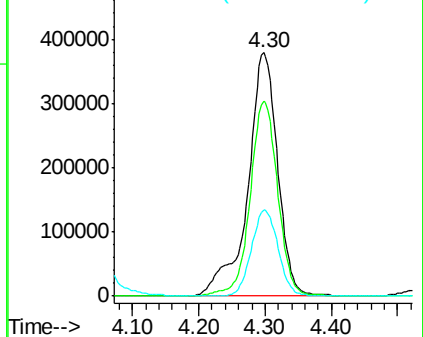
76 31.3 25.1 37.7

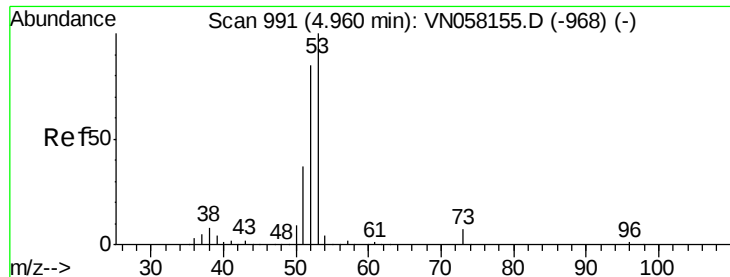


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 543.247 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2057160

Ion Ratio Lower Upper

53 100

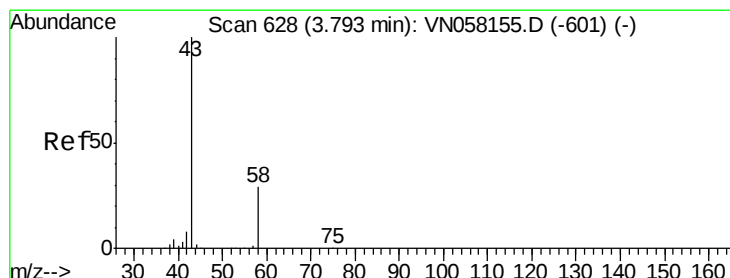
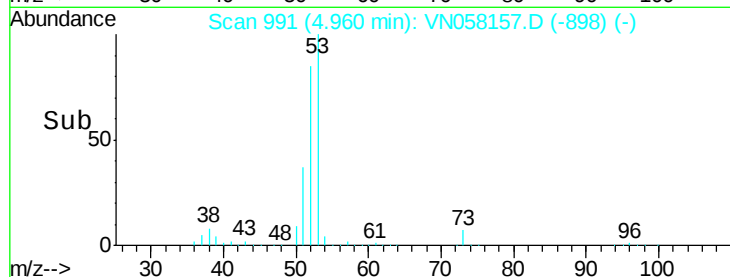
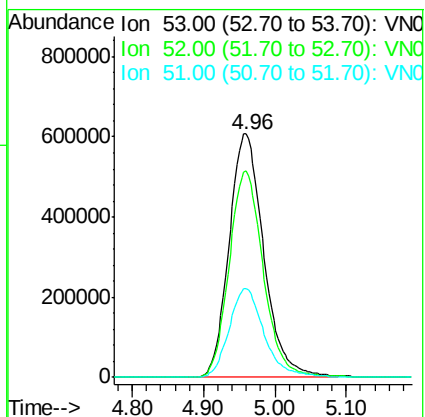
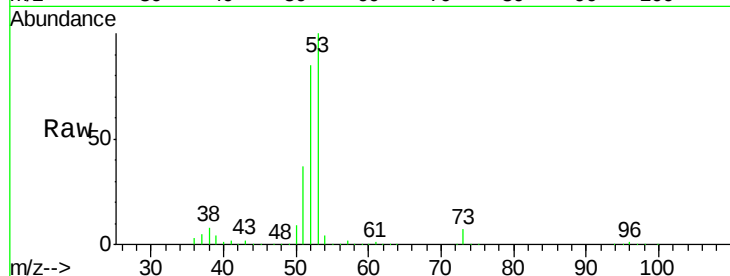
52 83.5 66.6 100.0

51 36.9 29.7 44.5

Manual Integrations
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#16

Acetone

Concen: 544.765 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058157.D

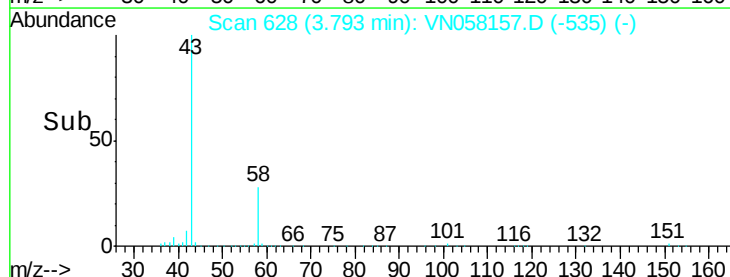
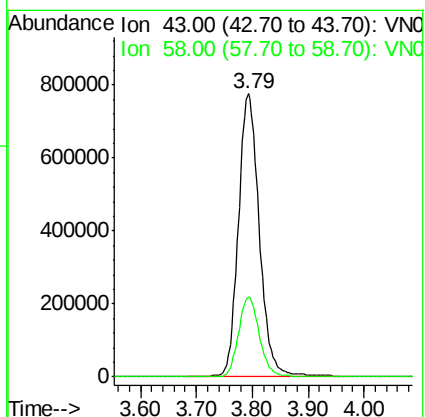
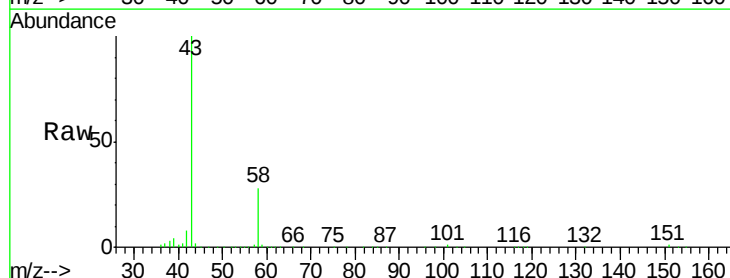
Acq: 18 Sep 2019 11:11

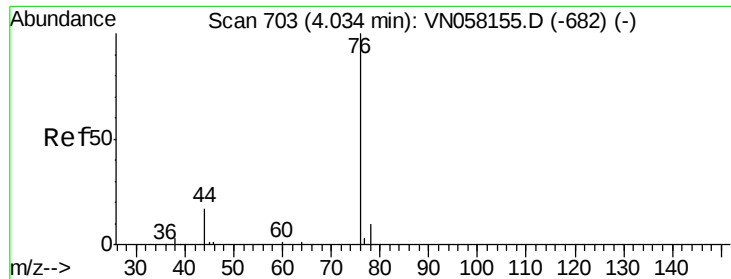
Tgt Ion: 43 Resp: 2027745

Ion Ratio Lower Upper

43 100

58 28.2 23.4 35.2





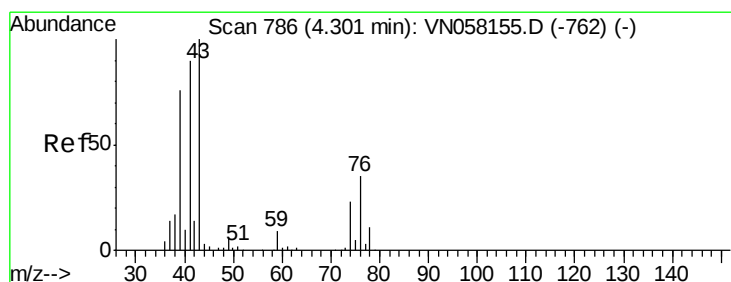
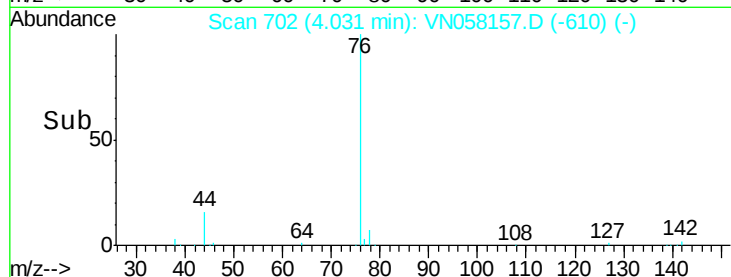
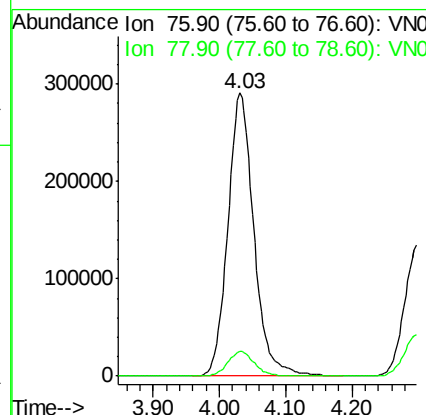
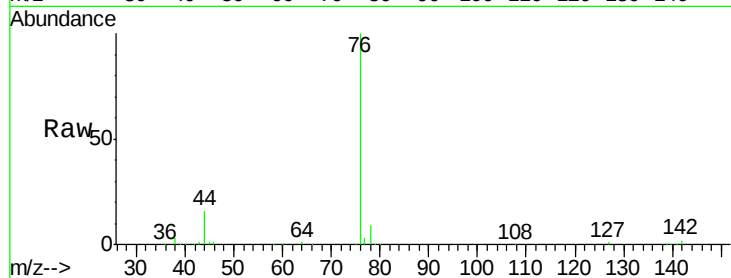
#17
Carbon Disulfide
Concen: 73.017 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.7	11.5

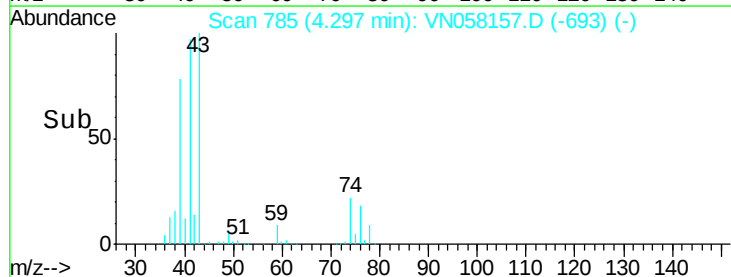
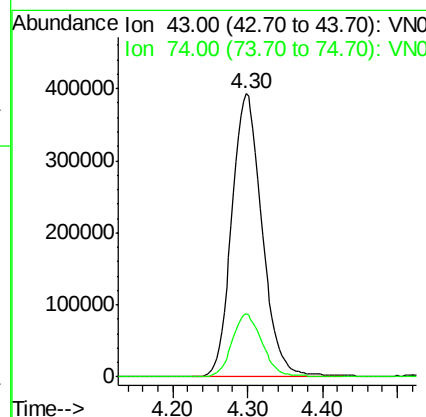
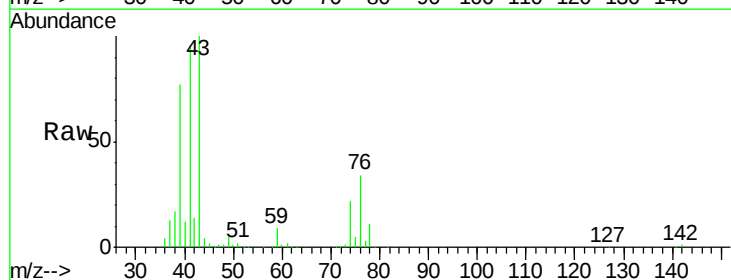
Manual Integrations
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#18
Methyl Acetate
Concen: 110.176 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.0	27.0





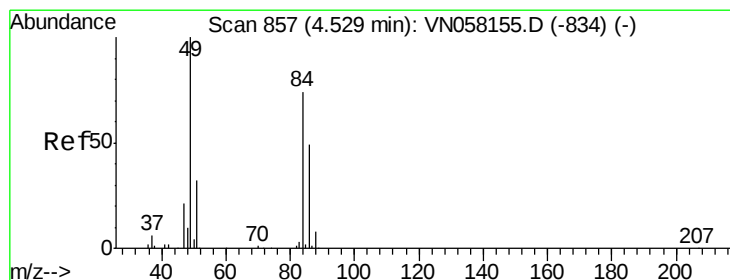
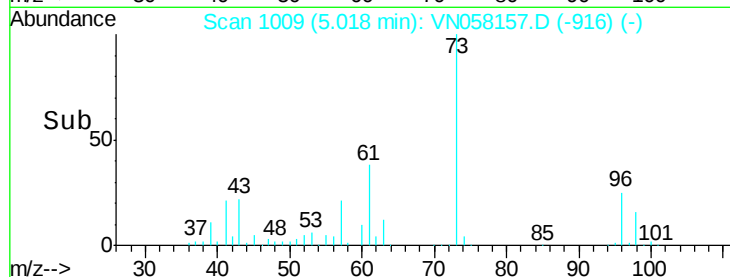
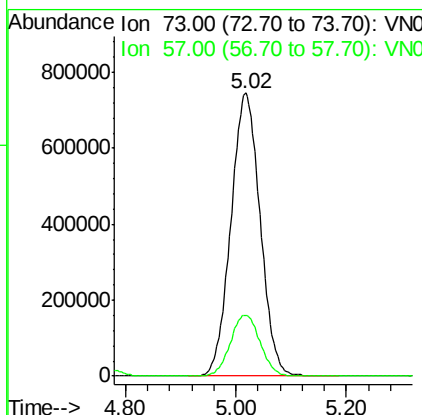
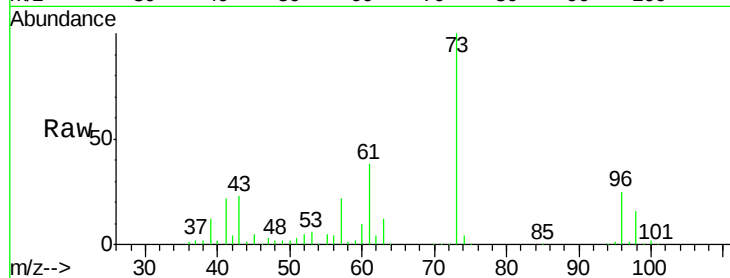
#19
Methvl tert-butvl Ether
Concen: 110.057 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2743818
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1

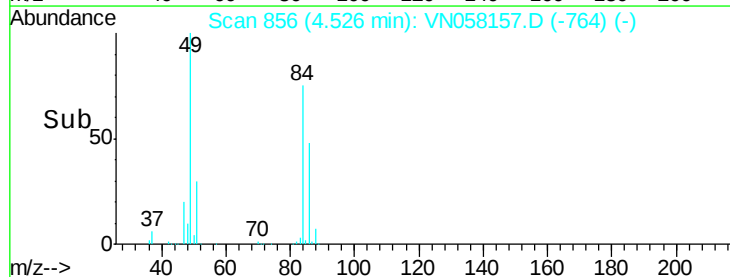
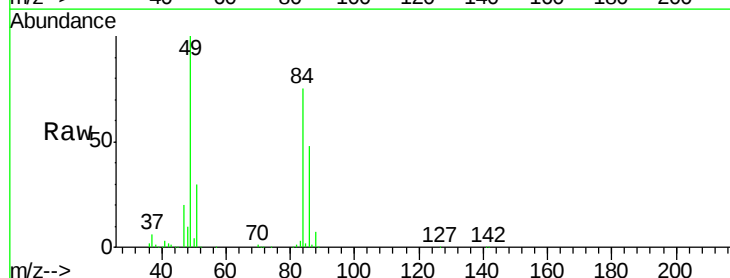
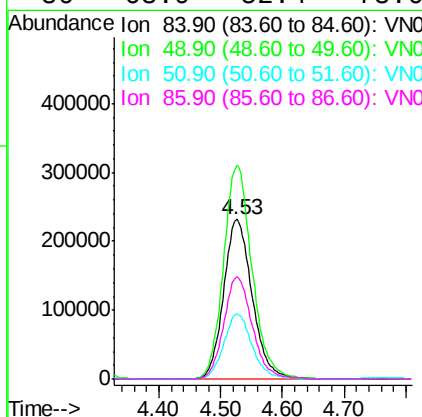
Manual Integrations
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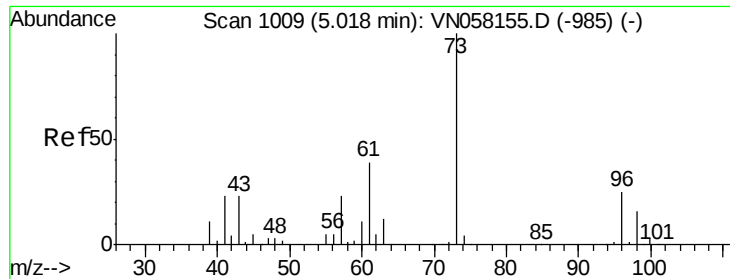
MMDadoda
9/20/2019 1:14:33 PM



#20
Methylene Chloride
Concen: 91.982 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 84 Resp: 744199
Ion Ratio Lower Upper
84 100
49 133.6 107.5 161.3
51 40.6 33.9 50.9
86 63.9 52.4 78.6





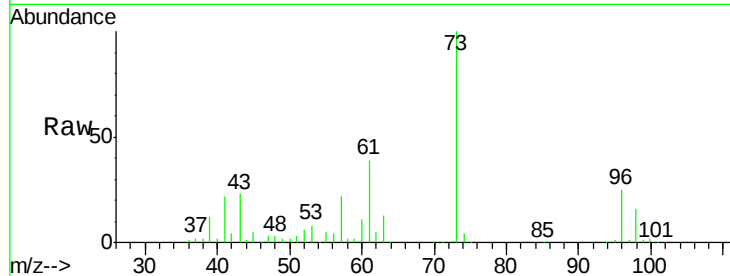
#21
trans-1,2-Dichloroethene
Concen: 92.516 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	122.2	183.4
98	64.6	49.9	74.9

Manual Integrations
APPROVED

MMDadoda
9/20/2019 1:14:33 PM

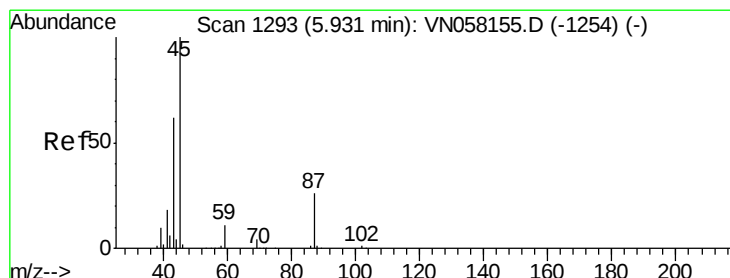
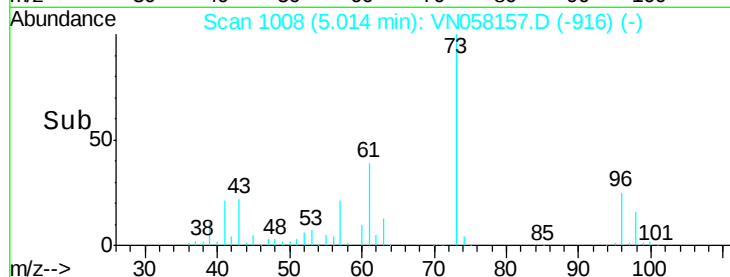
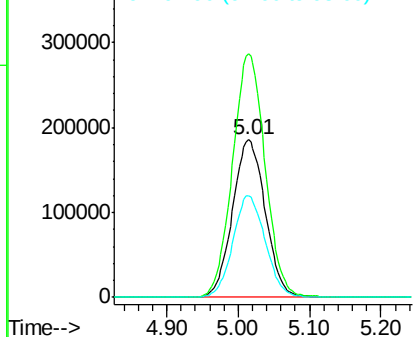


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 111.375 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	49.7	74.5
87	26.7	20.7	31.1
59	11.5	9.1	13.7

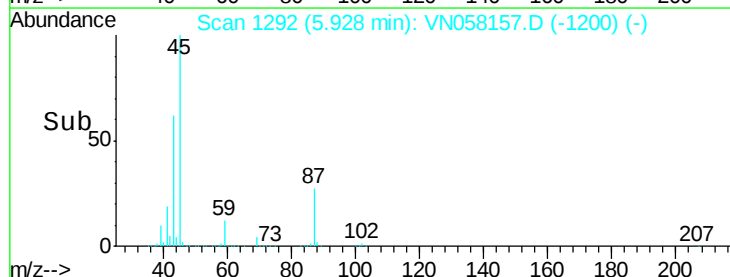
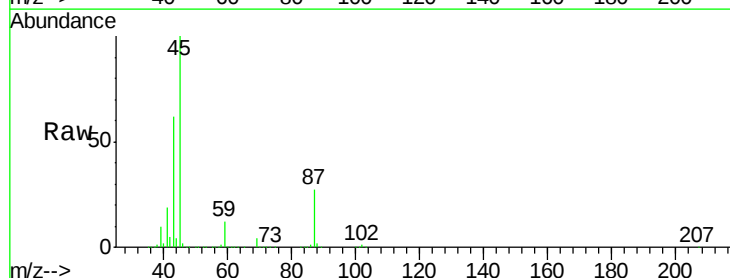
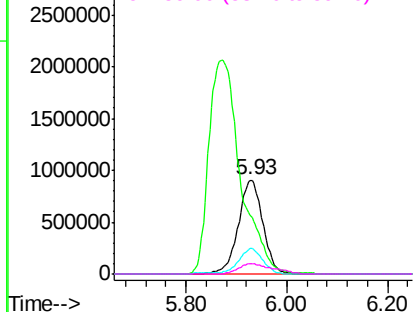
Abundance

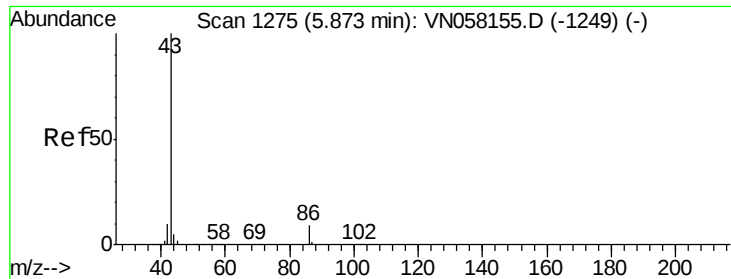
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 465.252 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 9007461

Ion Ratio Lower Upper

43 100

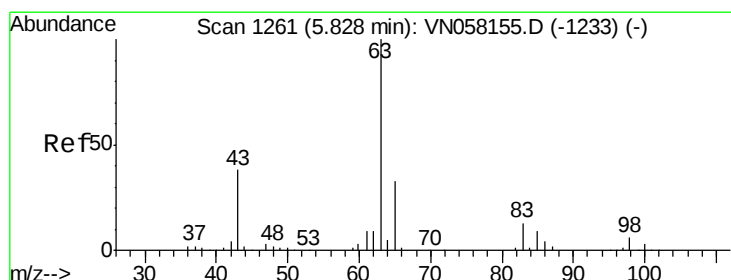
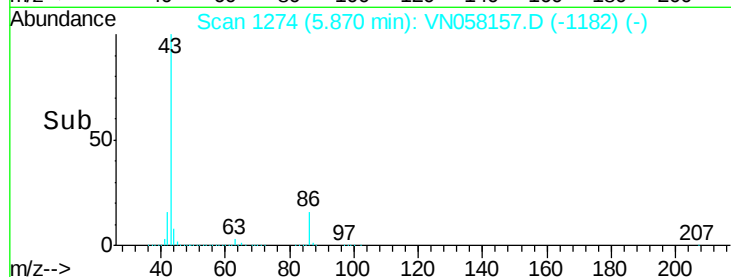
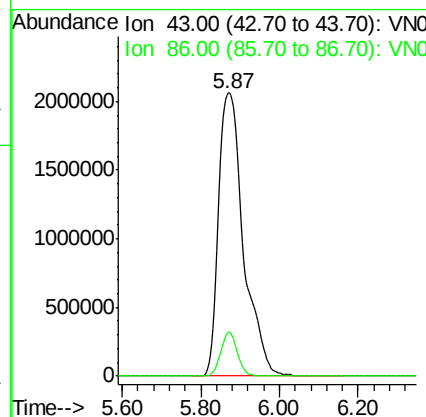
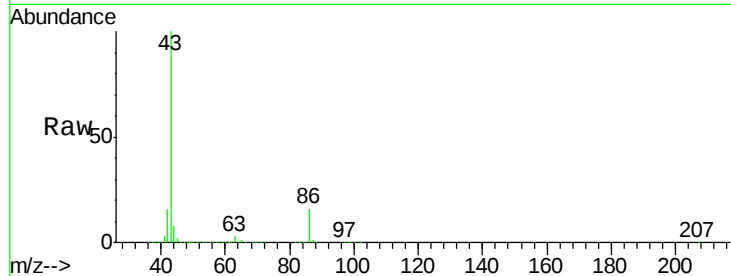
86 15.5 7.4 11.2#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 103.850 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

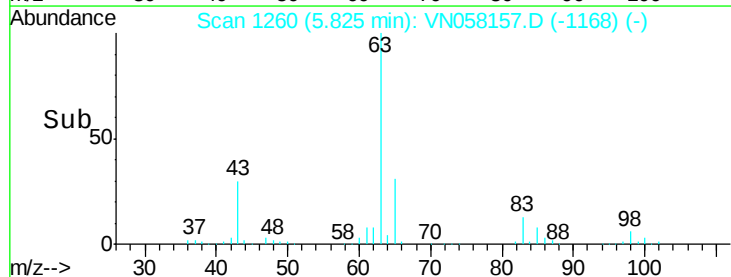
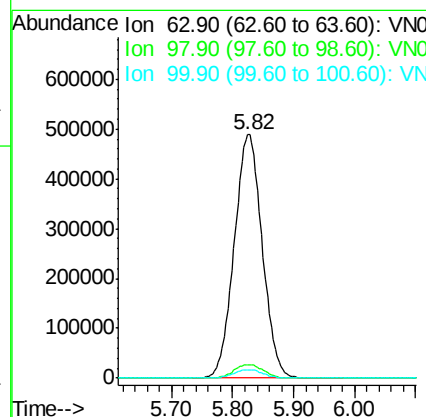
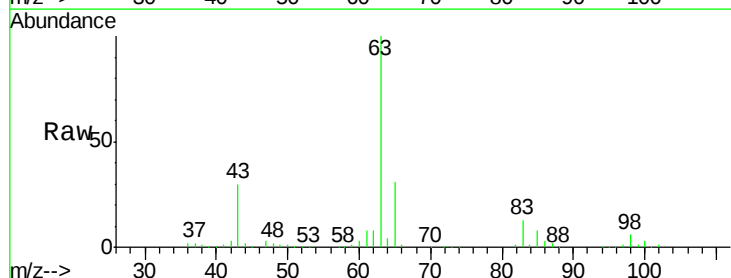
Tgt Ion: 63 Resp: 1557283

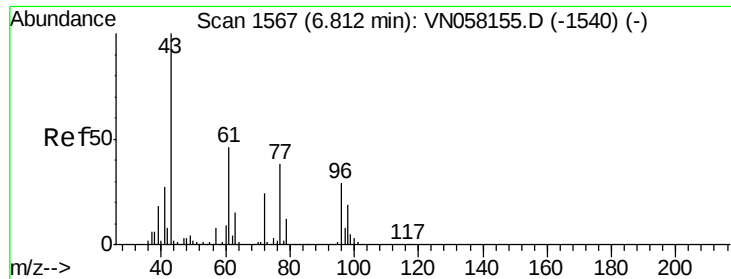
Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.4 1.8 5.3





#25

2-Butanone

Concen: 548.505 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2957214

Ion Ratio Lower Upper

43 100

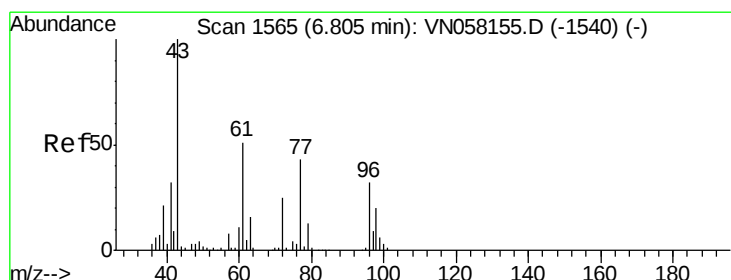
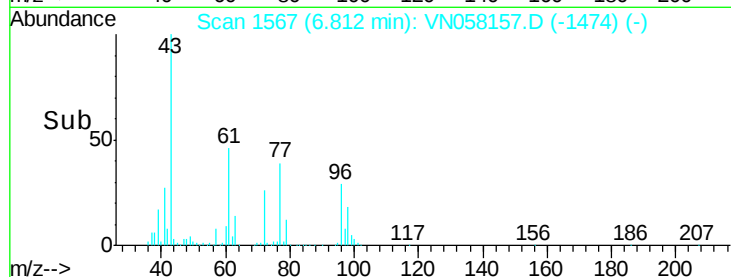
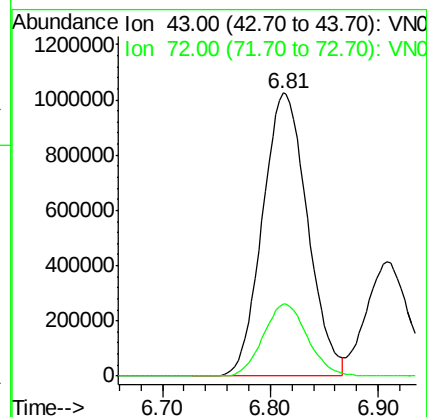
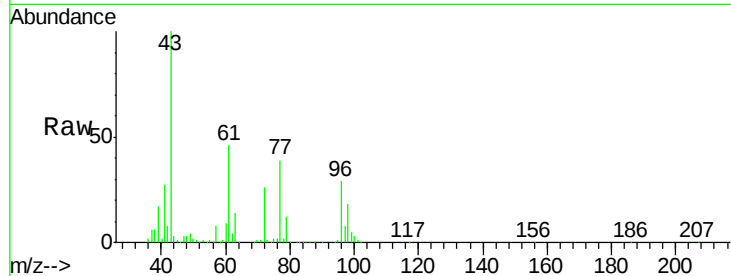
72 25.5 19.5 29.3

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#26

2,2-Dichloropropane

Concen: 113.028 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058157.D

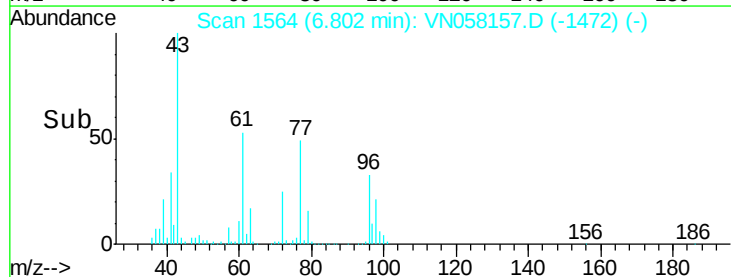
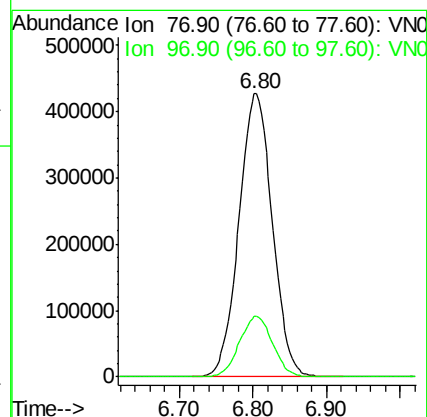
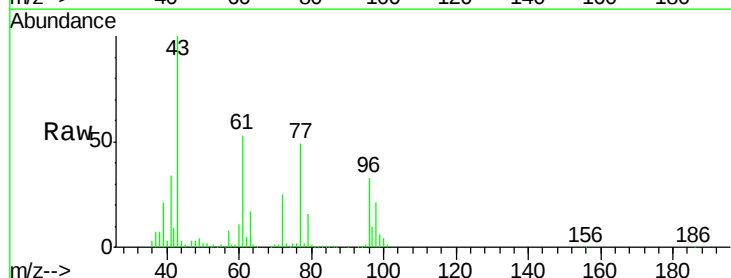
Acq: 18 Sep 2019 11:11

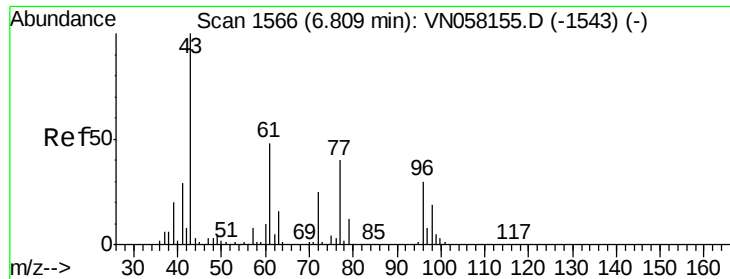
Tgt Ion: 77 Resp: 1345046

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 100.193 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

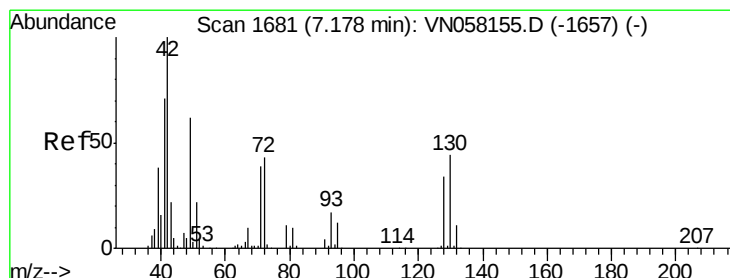
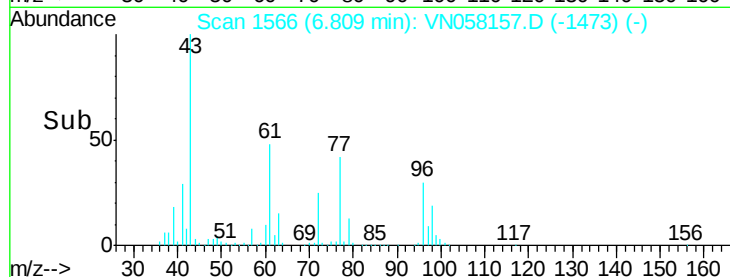
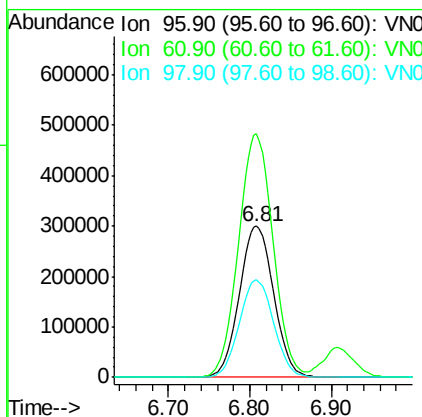
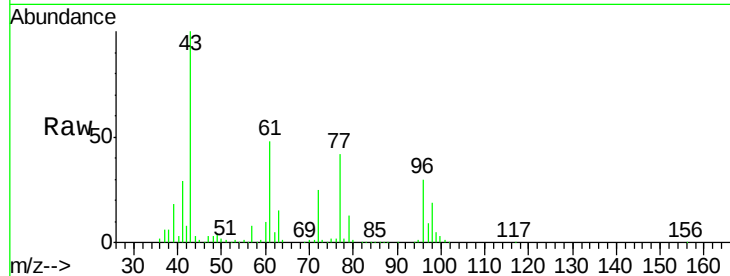
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	869145
Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	319.0
98	64.8	0.0	126.6

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#28

Bromochloromethane

Concen: 101.604 ug/l

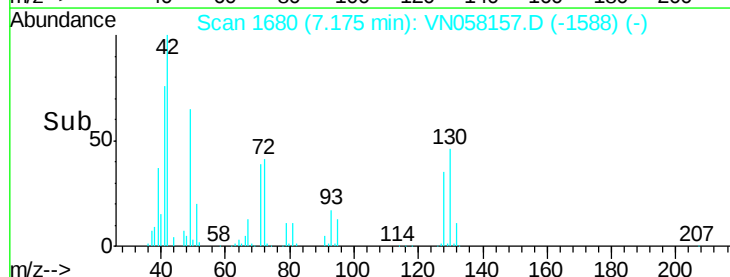
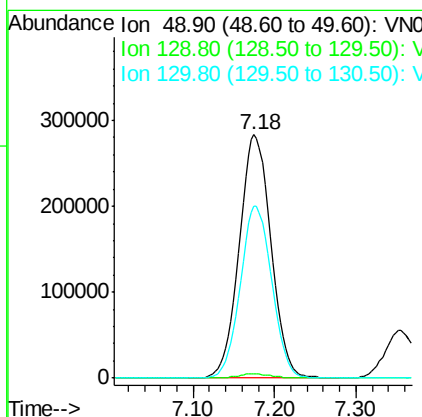
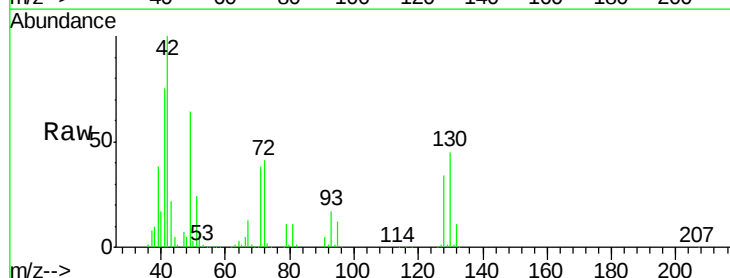
RT: 7.18 min Scan# 1680

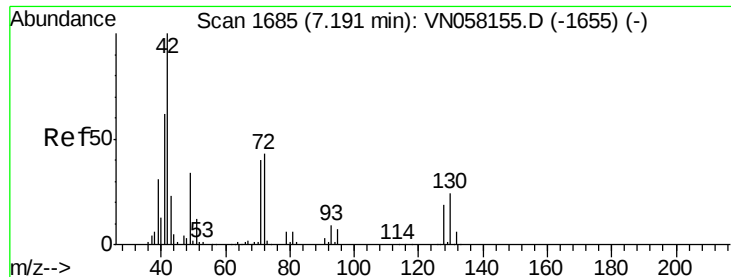
Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Tgt Ion:	49	Resp:	760891
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.8
130	70.2	55.4	83.2





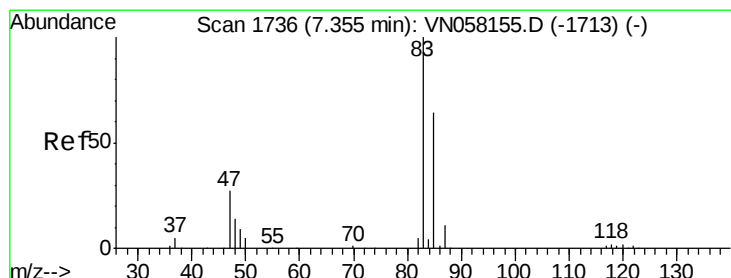
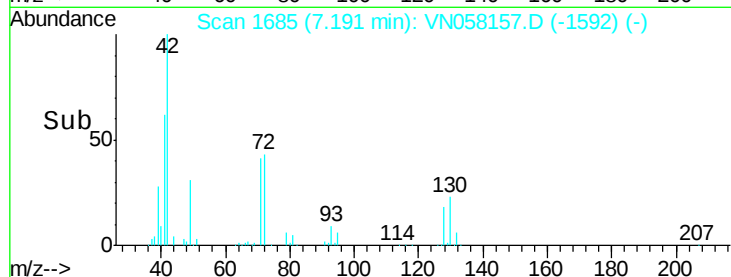
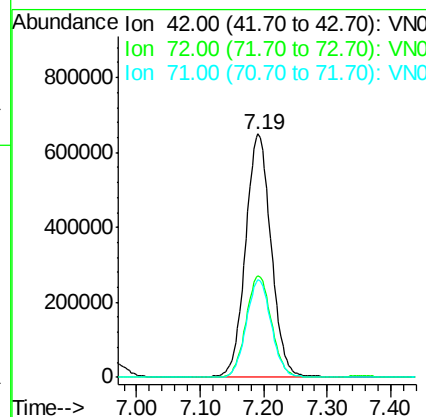
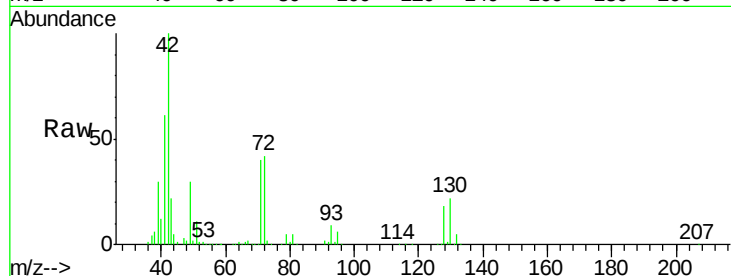
#29
Tetrahydrofuran
Concen: 545.458 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.8	50.6
71	39.1	31.4	47.0

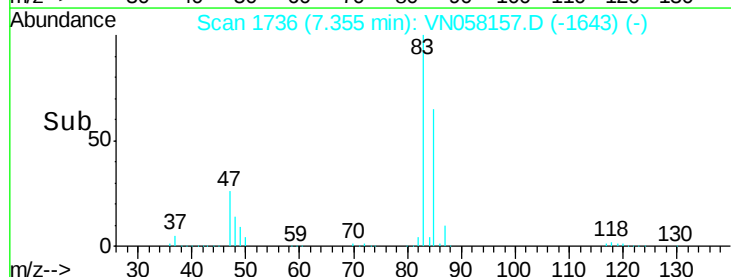
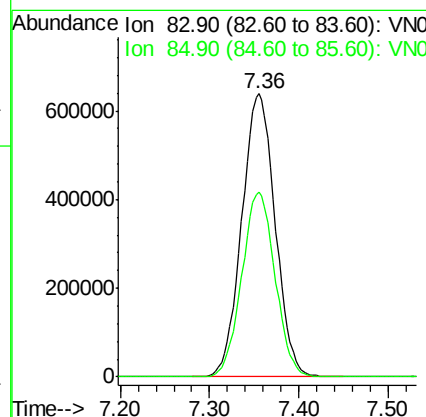
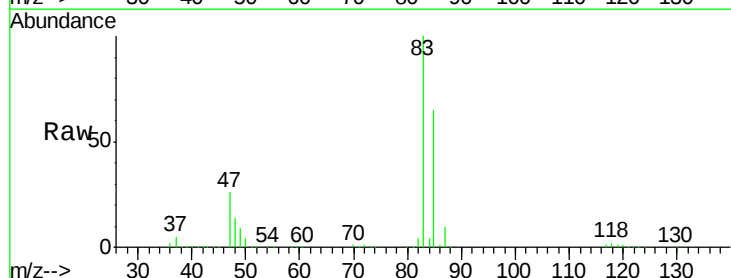
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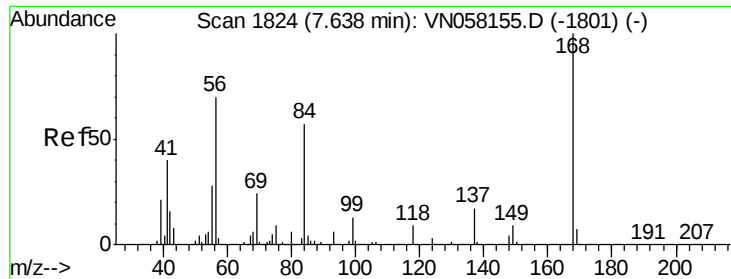
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#30
Chloroform
Concen: 105.374 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2





#31

Cyclohexane

Concen: 91.452 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1010196

Ion Ratio Lower Upper

56 100

69 31.3 27.3 40.9

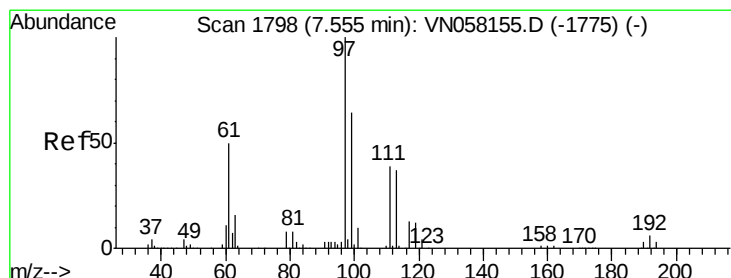
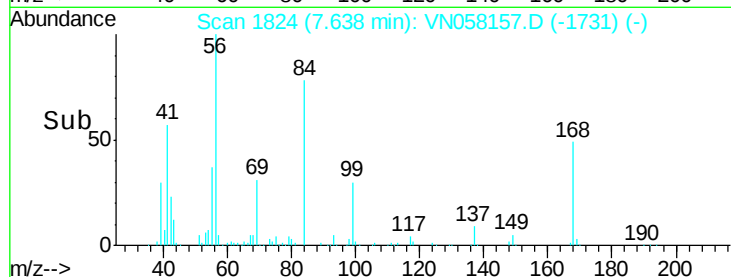
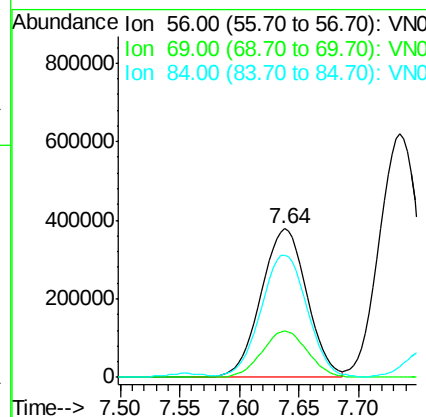
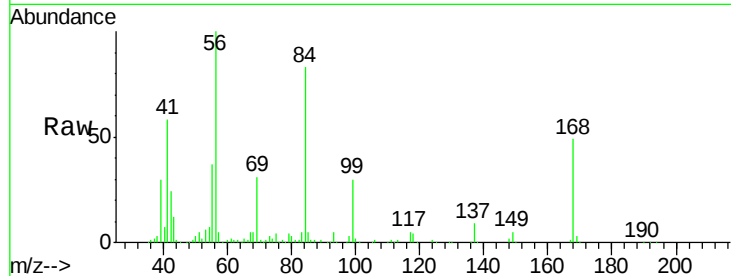
84 80.5 65.0 97.4

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#32

1,1,1-Trichloroethane

Concen: 107.610 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

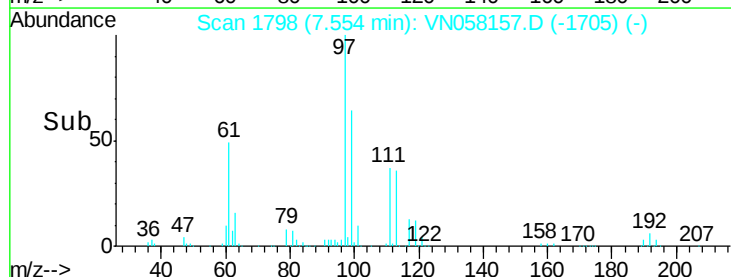
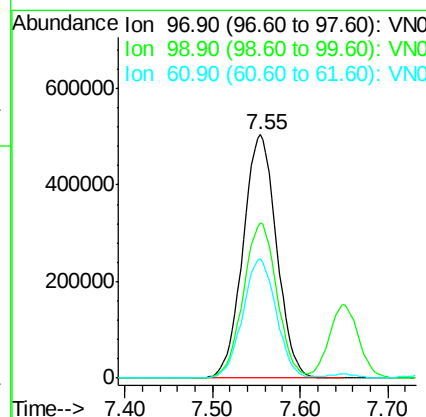
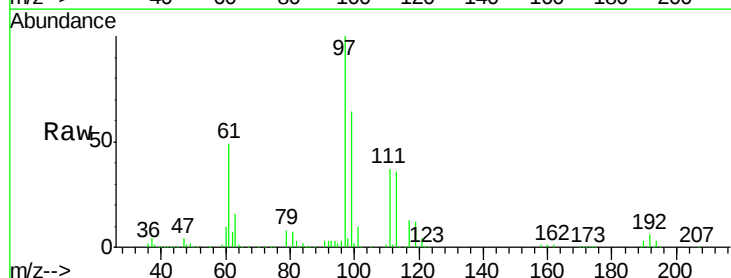
Tgt Ion: 97 Resp: 1340807

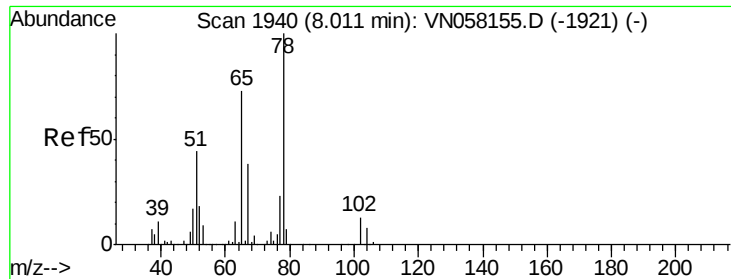
Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

61 48.8 39.2 58.8





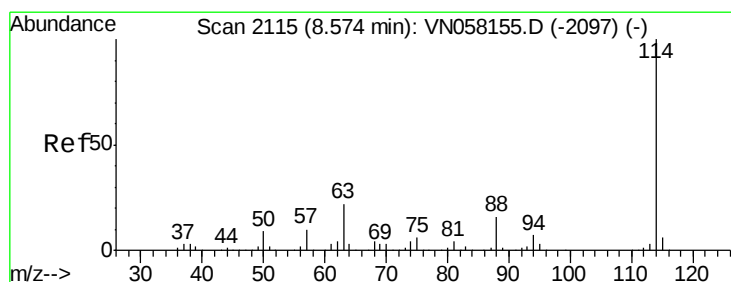
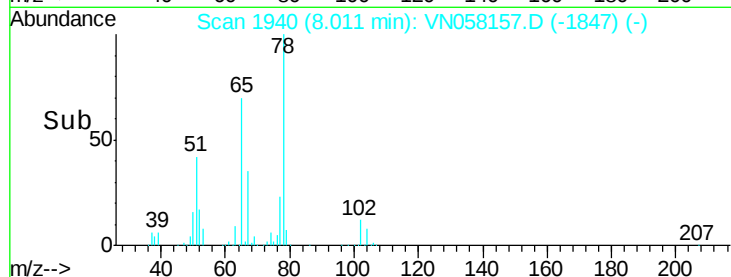
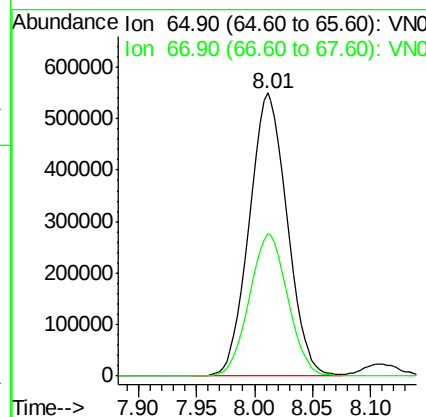
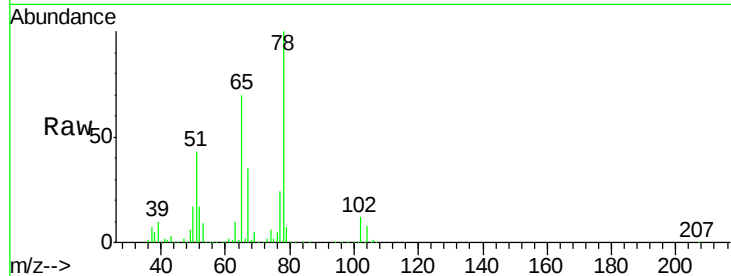
#33
 1,2-Dichloroethane-d4
 Concen: 110.565 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1253288
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.4

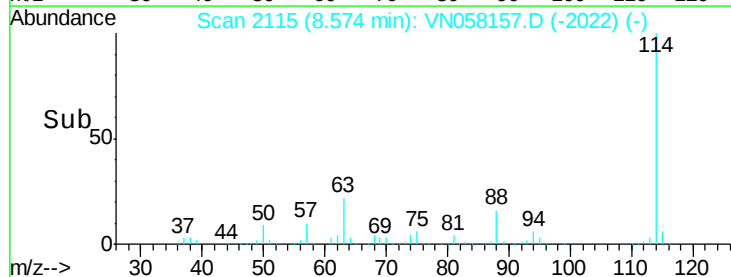
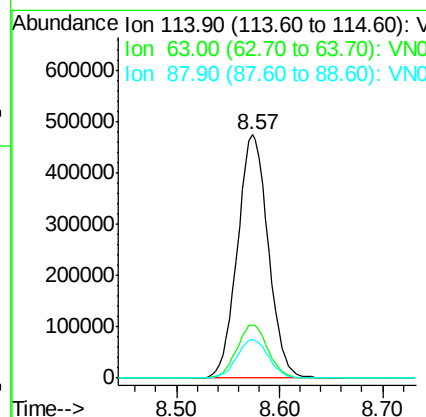
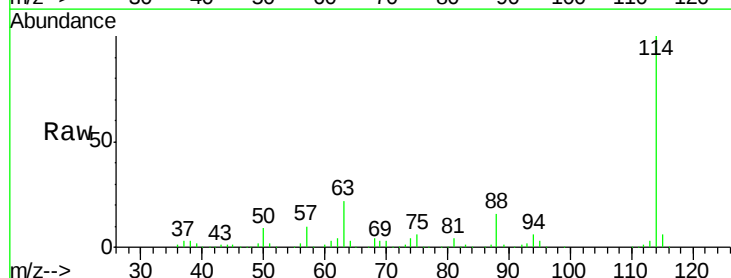
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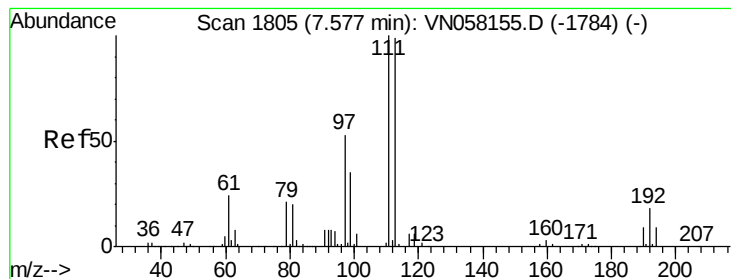
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 114 Resp: 986222
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.2
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 108.234 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

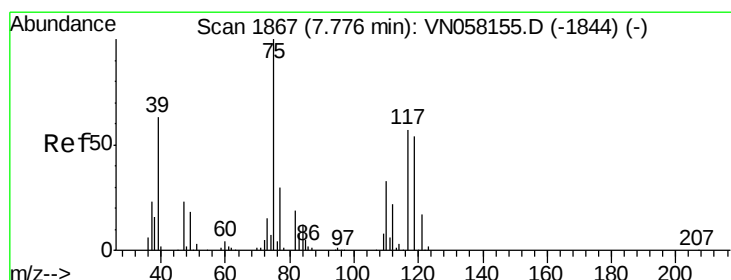
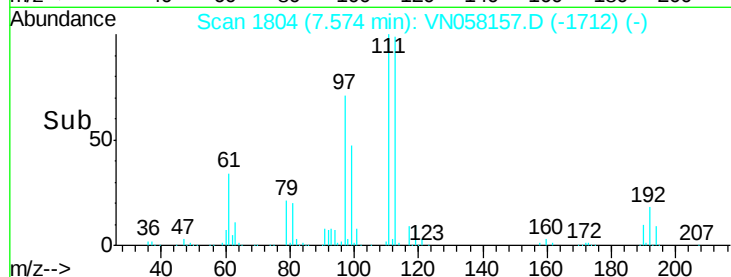
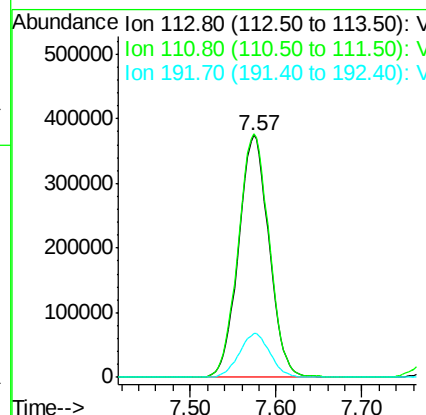
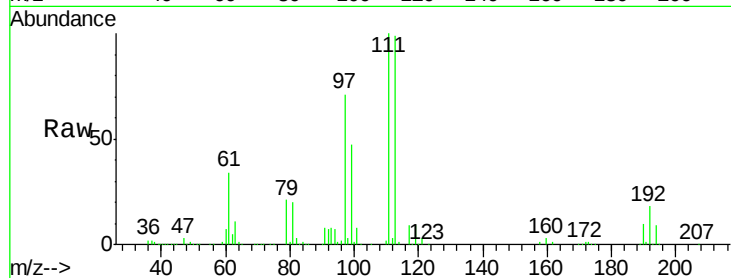
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	921807
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.8	122.6
192	18.3	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 93.411 ug/l

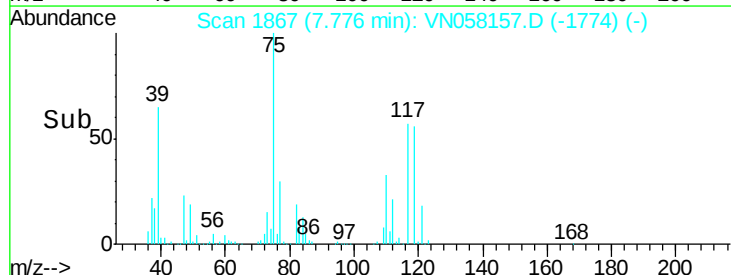
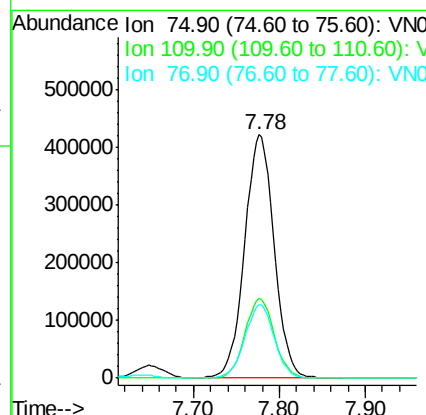
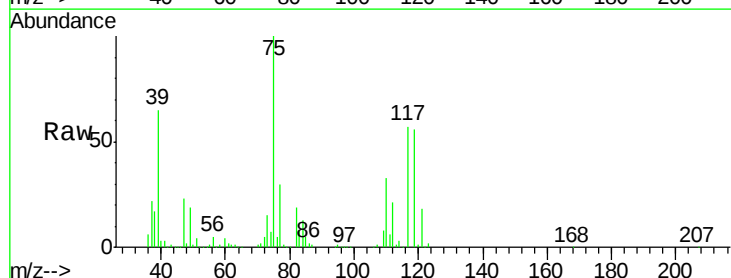
RT: 7.78 min Scan# 1867

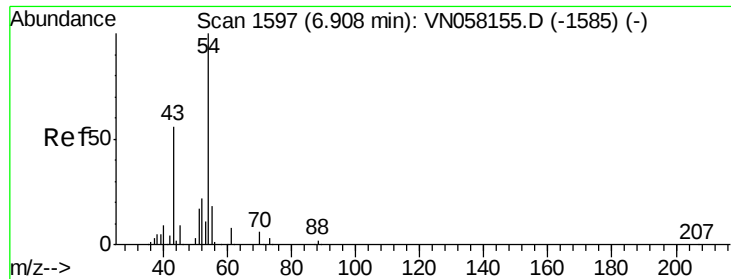
Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Tgt Ion:	75	Resp:	1001159
Ion Ratio	Lower	Upper	
75	100		
110	32.6	16.6	49.7
77	30.5	24.3	36.5





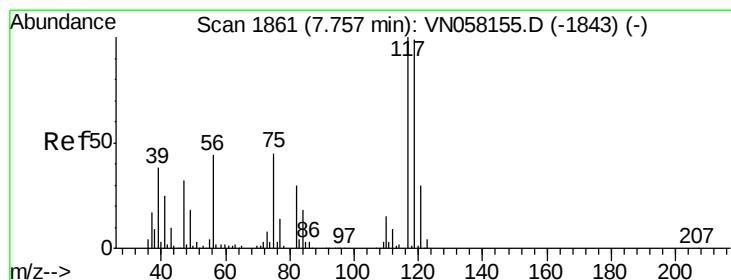
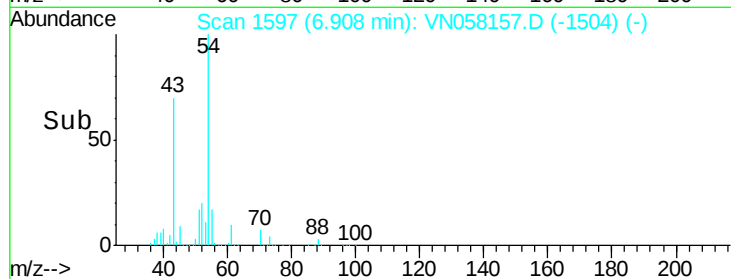
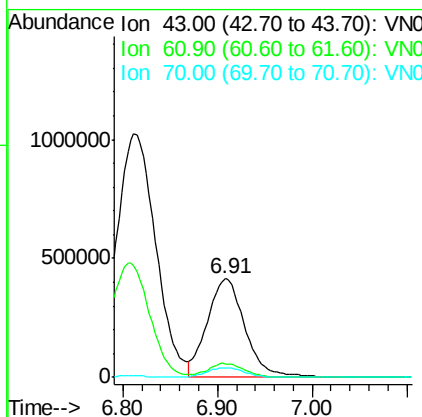
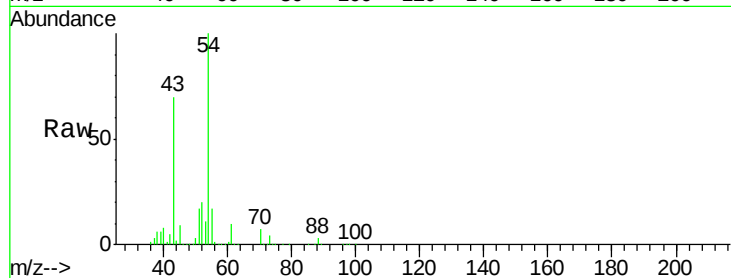
#37
Ethyl Acetate
Concen: 102.373 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	9.9	7.6	11.4

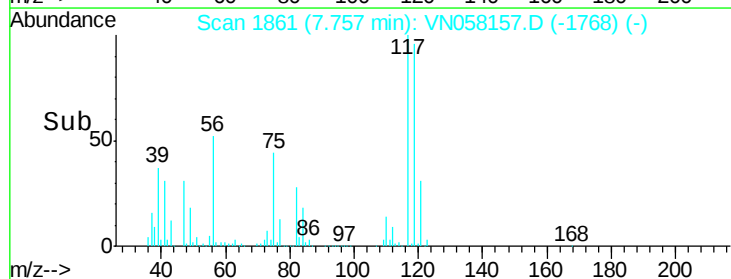
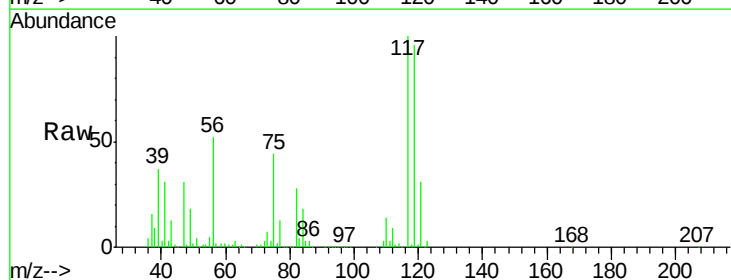
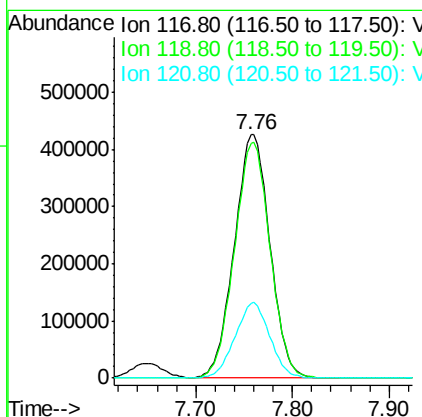
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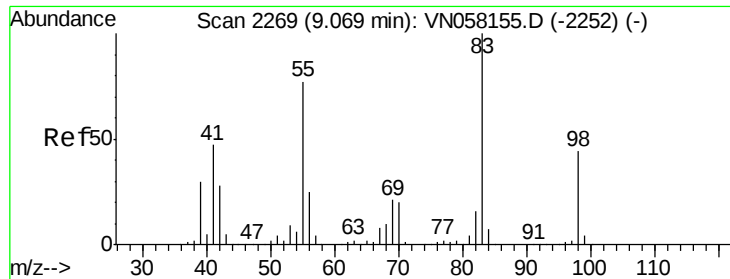
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#38
Carbon Tetrachloride
Concen: 110.473 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.6	117.8
121	30.8	24.1	36.1





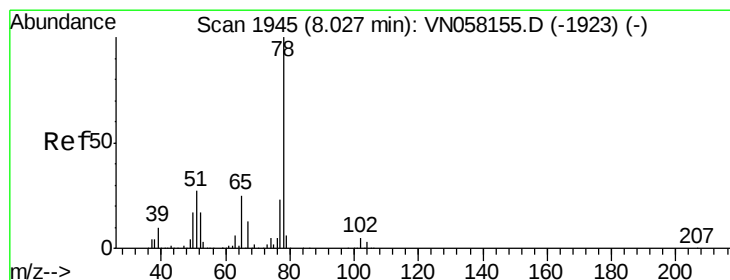
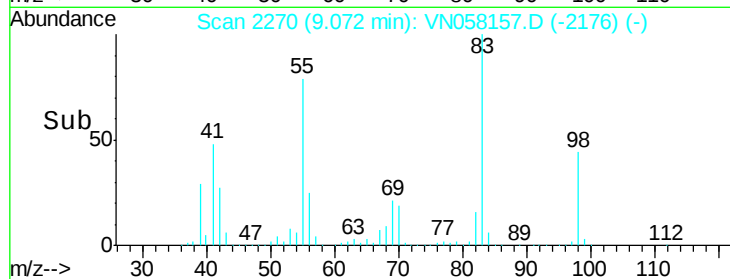
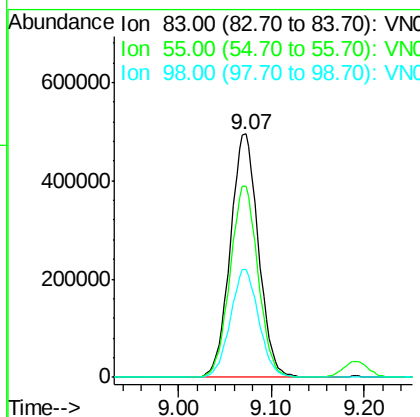
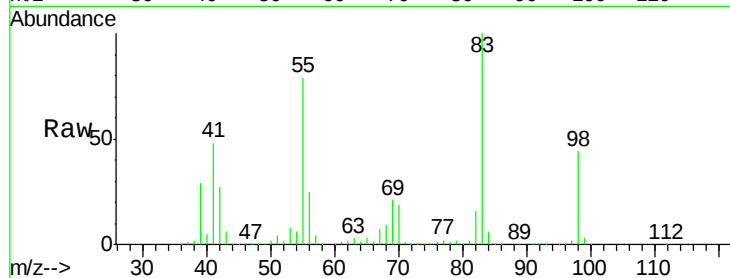
#39
Methvlcvclohexane
Concen: 92.578 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	1040458
Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.9	92.9
98	44.2	35.4	53.2

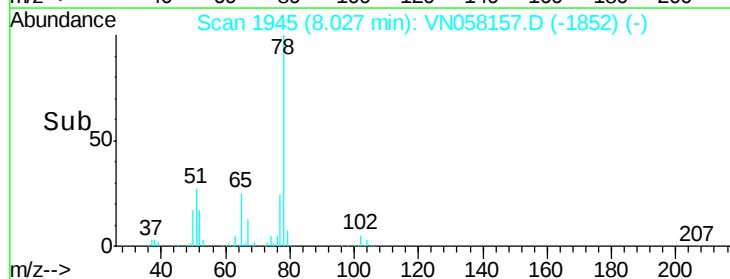
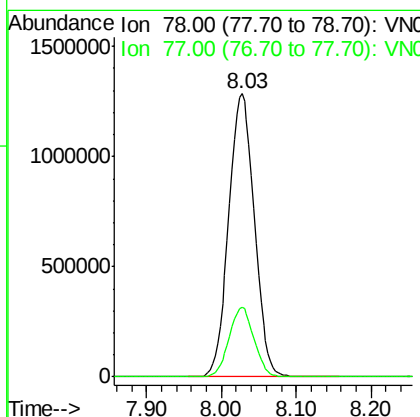
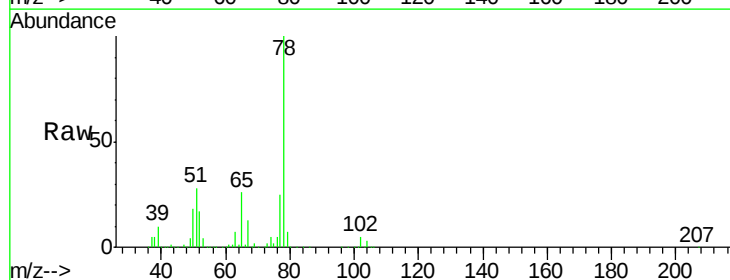
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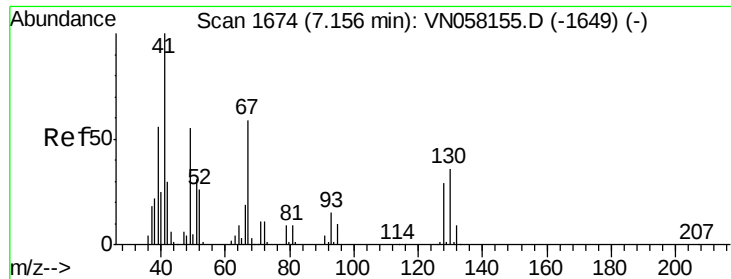
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#40
Benzene
Concen: 94.990 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	78	Resp	3065162
Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2





#41

Methacrylonitrile

Concen: 109.785 ug/l m

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 553032

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

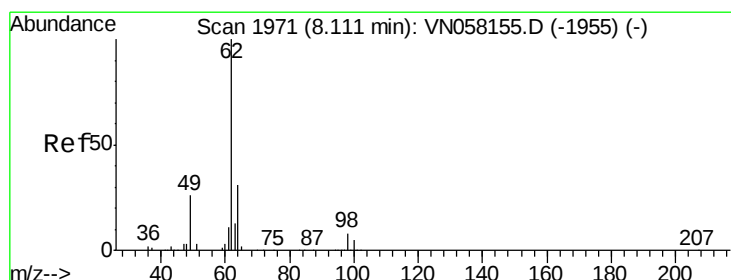
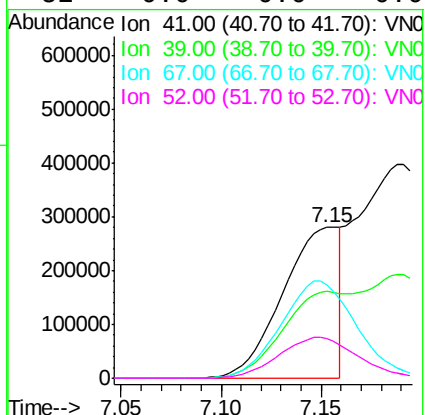
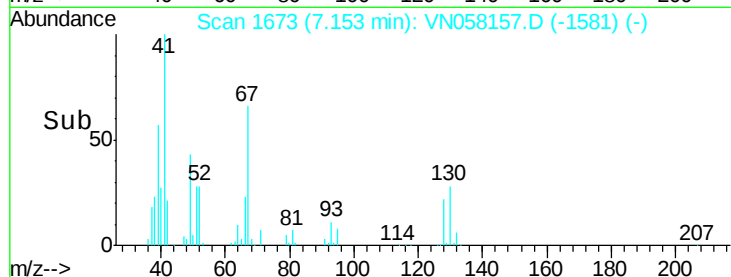
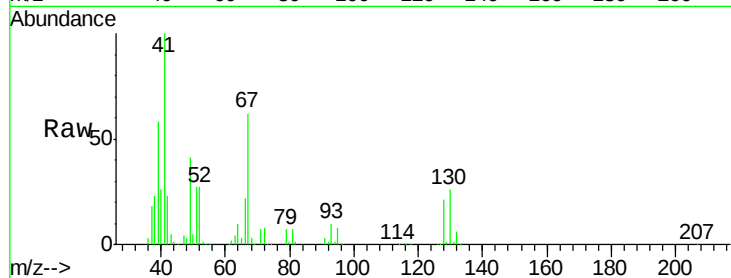
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 102.847 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058157.D

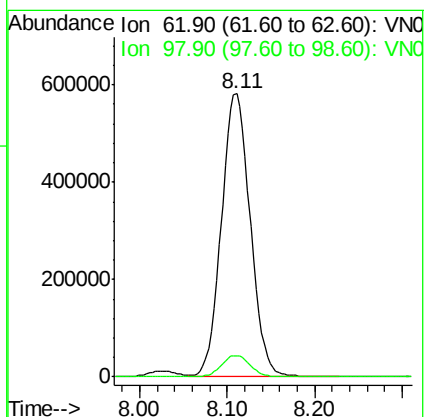
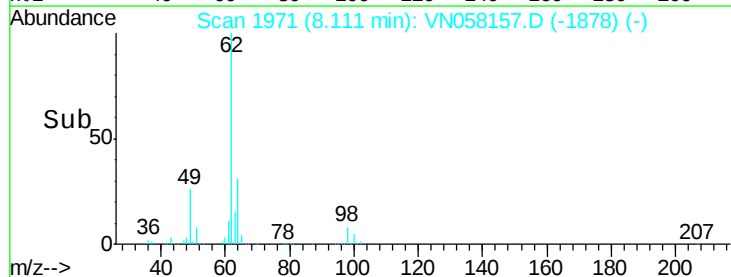
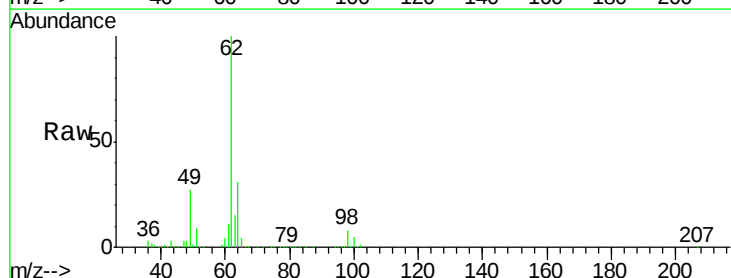
Acq: 18 Sep 2019 11:11

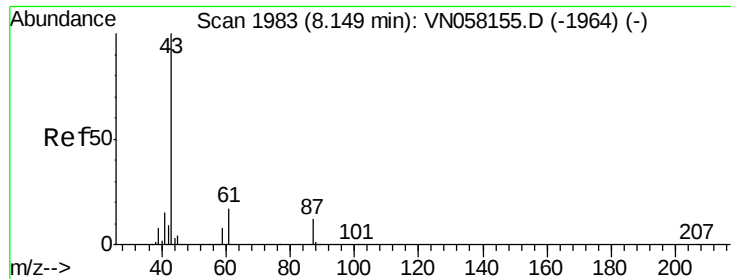
Tgt Ion: 62 Resp: 1331662

Ion Ratio Lower Upper

62 100

98 7.7 0.0 15.6





#43

Isopropyl Acetate

Concen: 111.801 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2089514

Ion Ratio Lower Upper

43 100

61 24.6 19.7 29.5

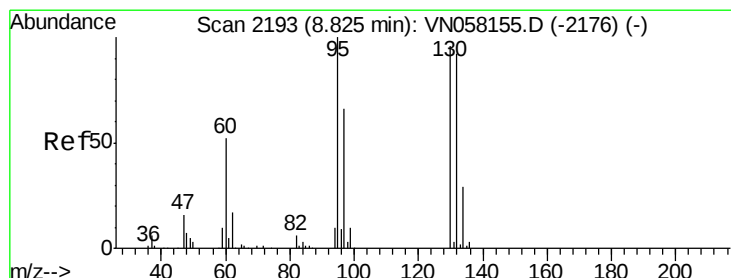
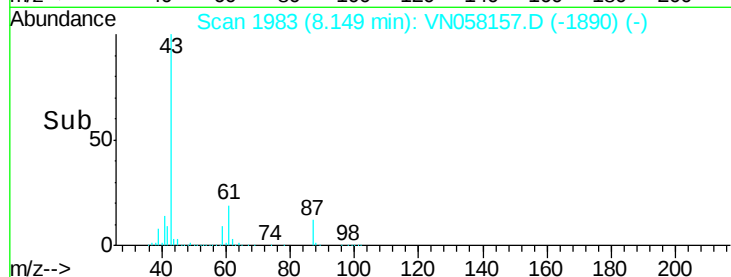
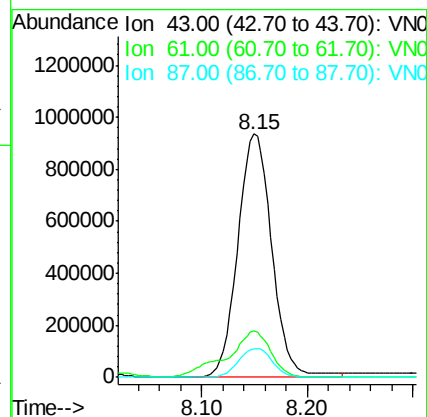
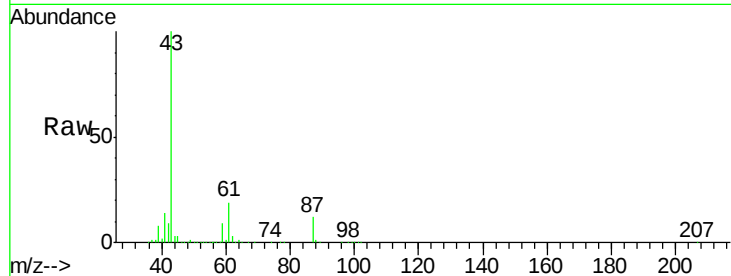
87 12.0 9.4 14.2

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#44

Trichloroethene

Concen: 98.491 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058157.D

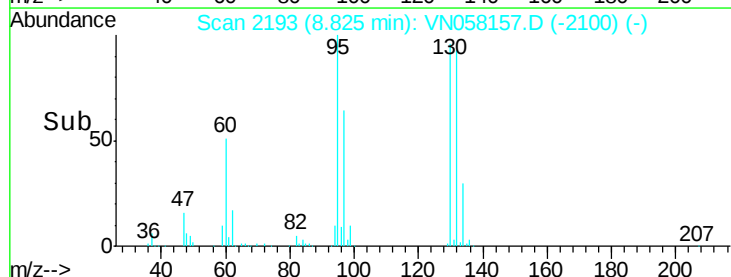
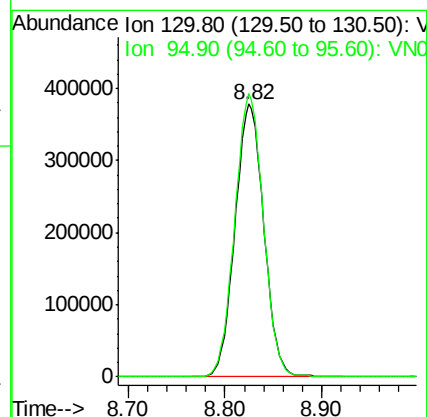
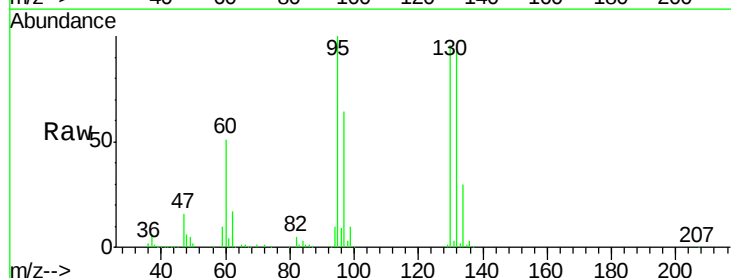
Acq: 18 Sep 2019 11:11

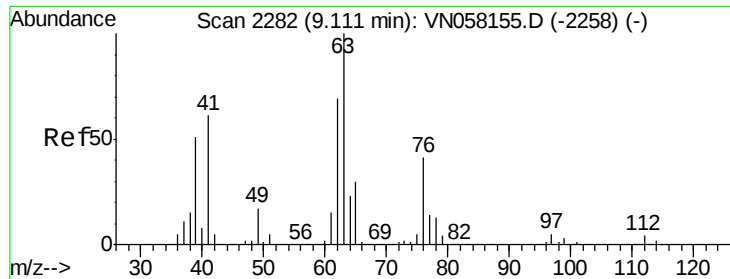
Tgt Ion: 130 Resp: 781723

Ion Ratio Lower Upper

130 100

95 103.7 0.0 207.8





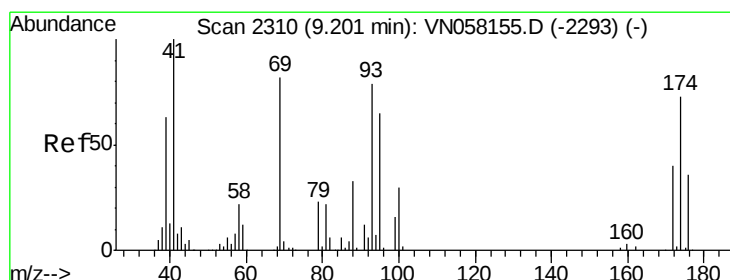
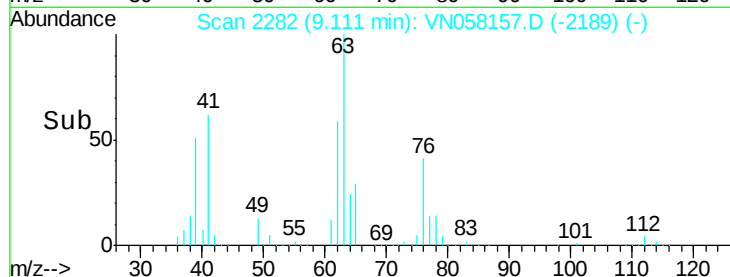
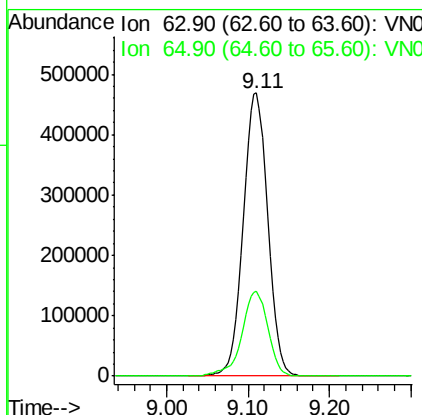
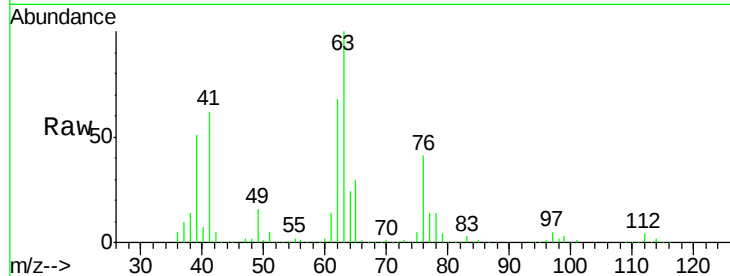
#45
 1,2-Dichloropropane
 Concen: 102.662 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 967570
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.8 35.6

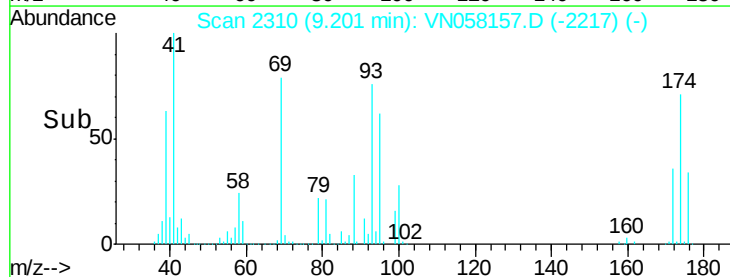
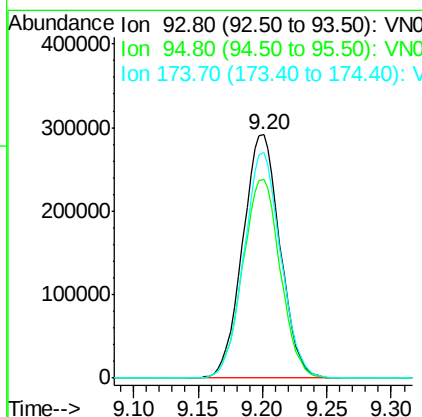
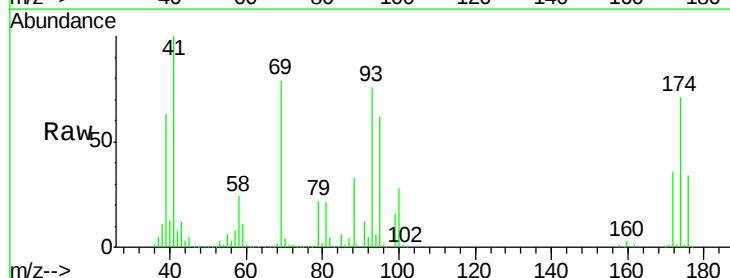
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#46
 Dibromomethane
 Concen: 103.514 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 93 Resp: 588919
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.8 100.2
 174 91.6 73.8 110.8





#47

Bromodichloromethane

Concen: 118.110 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1338064

Ion Ratio Lower Upper

83 100

85 64.7 50.1 75.1

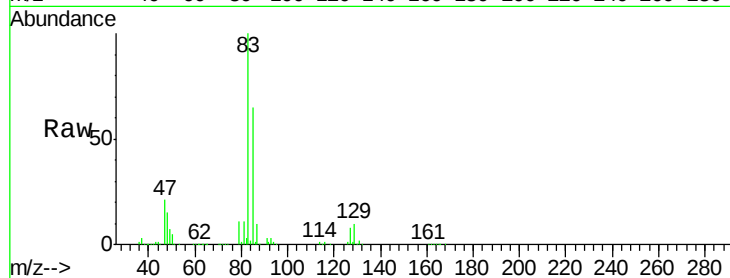
127 8.1 6.4 9.6

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Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO

9.39

800000

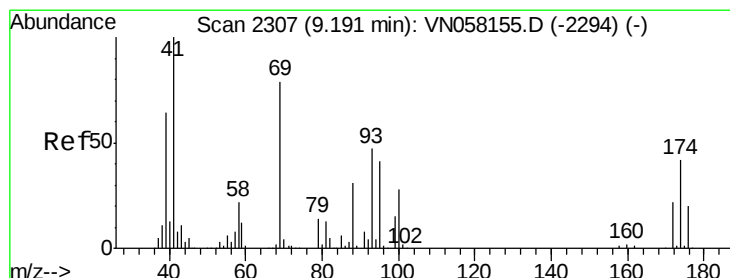
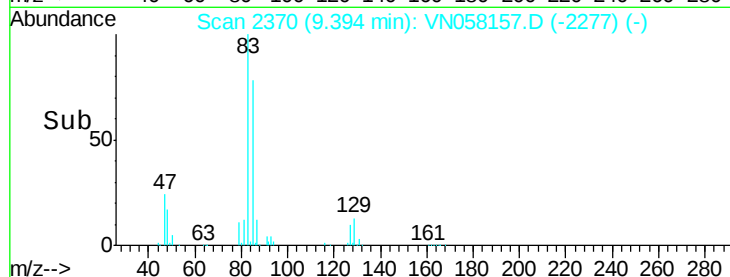
600000

400000

200000

0

Time-->



#48

Methyl methacrylate

Concen: 106.672 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

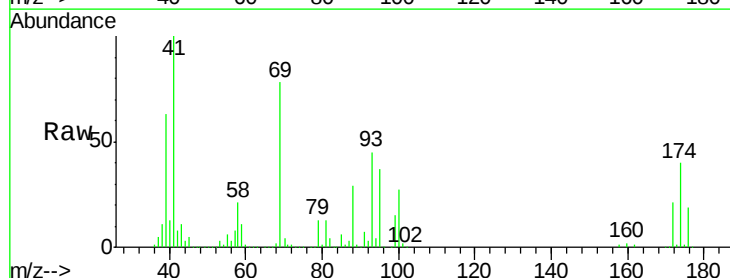
Tgt Ion: 41 Resp: 1005596

Ion Ratio Lower Upper

41 100

69 78.0 62.5 93.7

39 63.6 52.3 78.5



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.19

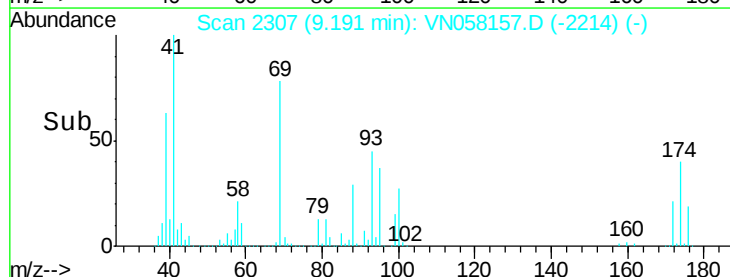
600000

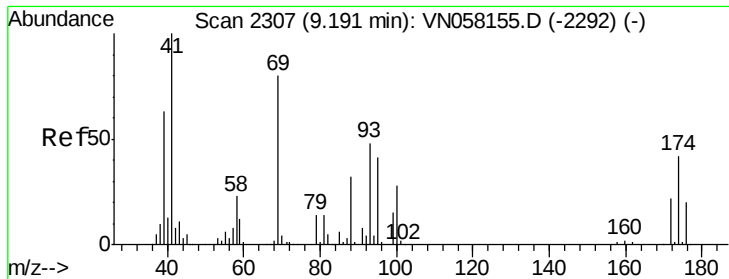
400000

200000

0

Time-->





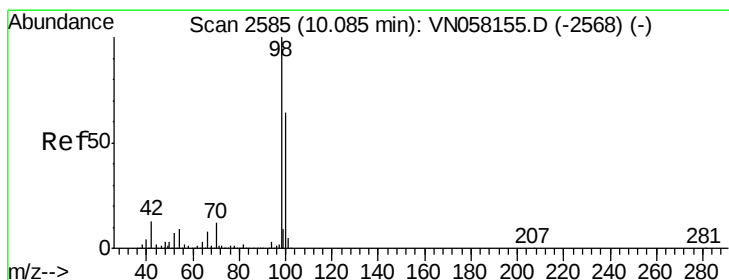
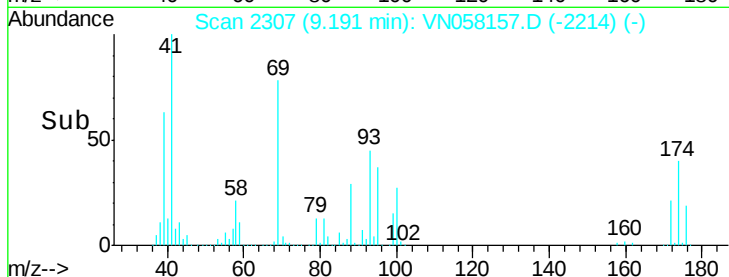
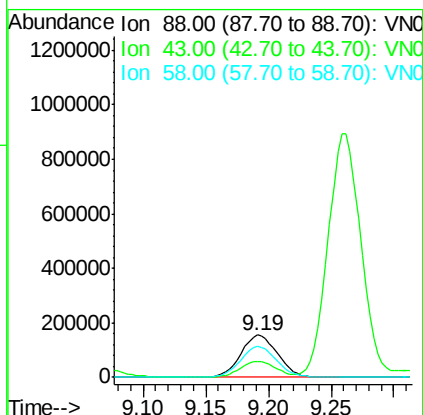
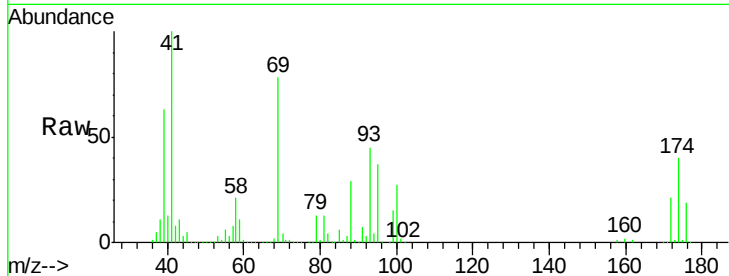
#49
1,4-Dioxane
Concen: 1981.303 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	27.8	41.8
58	71.6	55.0	82.4

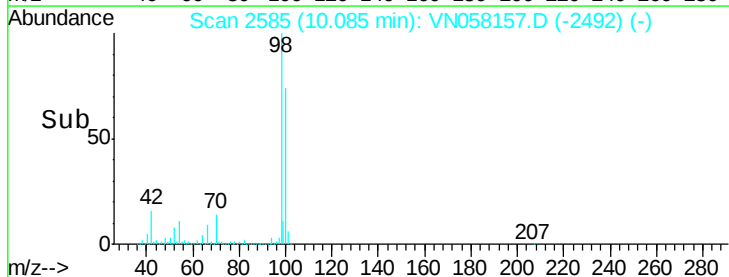
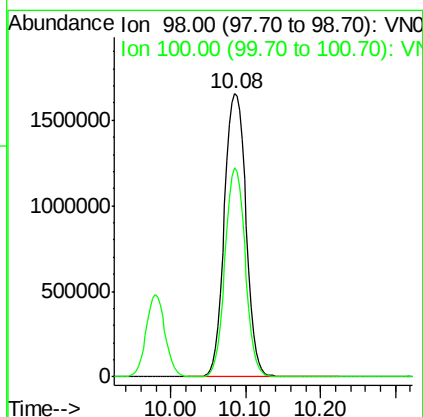
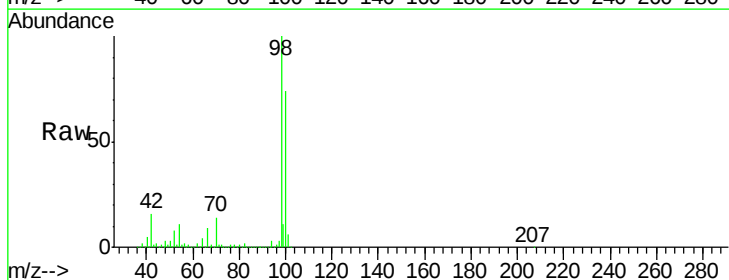
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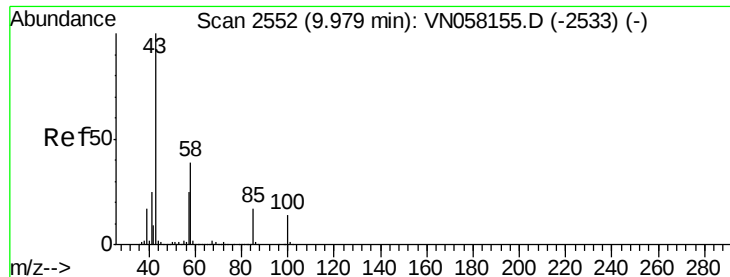
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#50
Toluene-d8
Concen: 100.453 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 417.812 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4569007

Ion Ratio Lower Upper

43 100

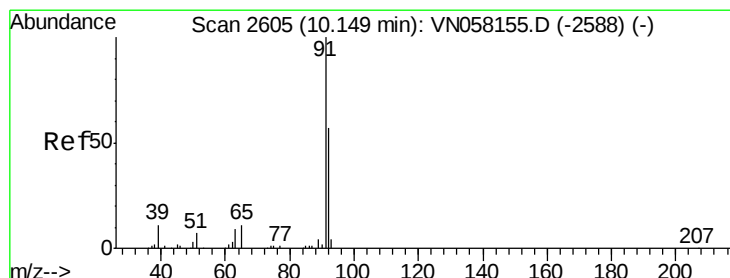
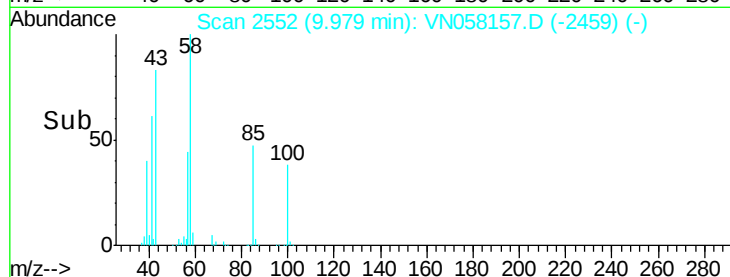
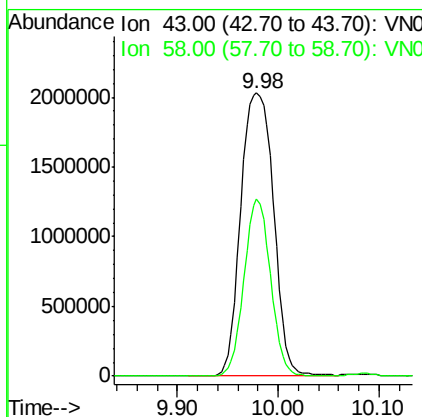
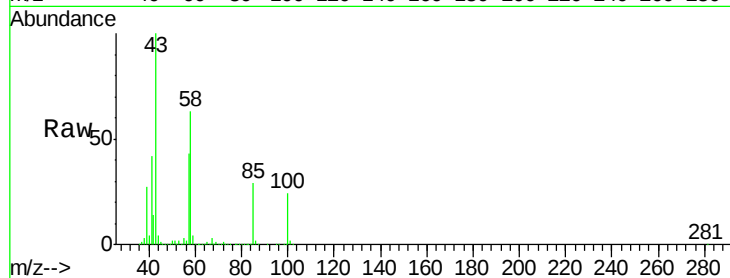
58 50.5 30.2 45.4#

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#52

Toluene

Concen: 98.366 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058157.D

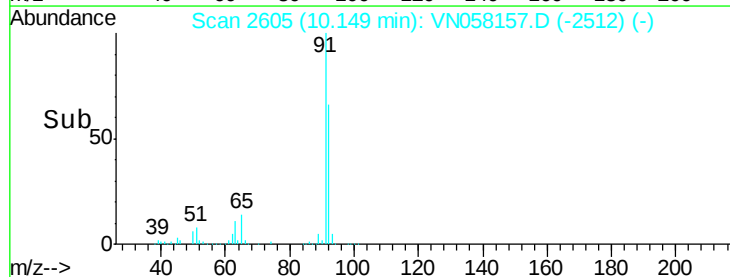
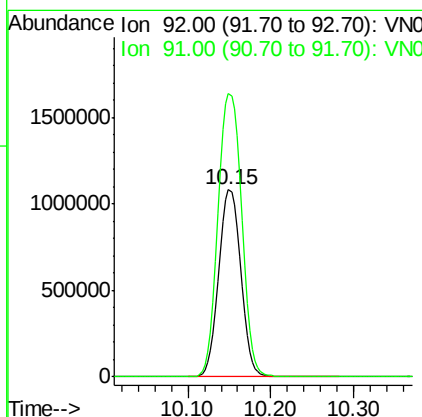
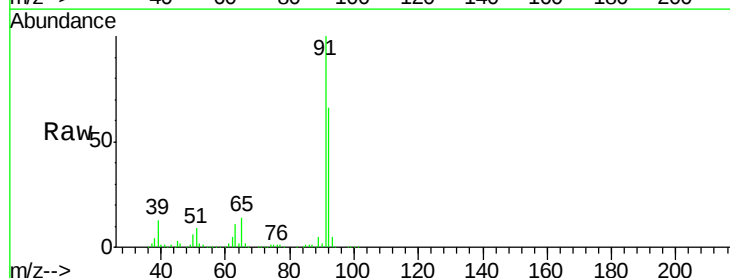
Acq: 18 Sep 2019 11:11

Tgt Ion: 92 Resp: 1996964

Ion Ratio Lower Upper

92 100

91 162.4 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 123.294 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1467911

Ion Ratio Lower Upper

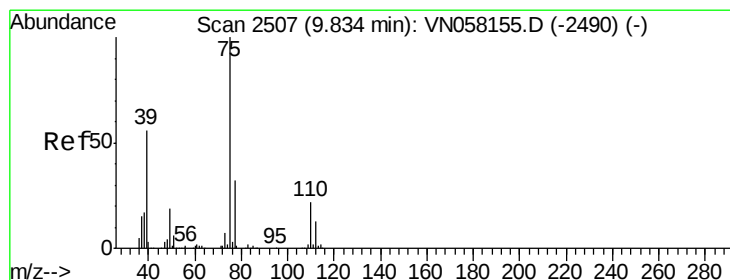
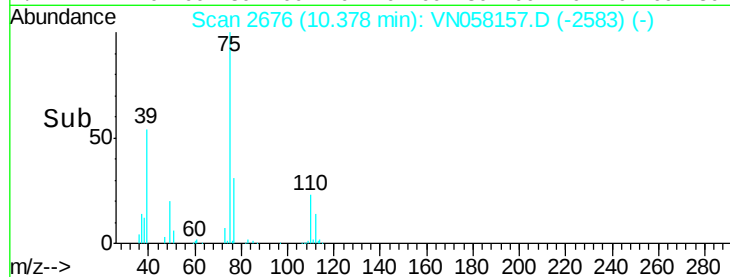
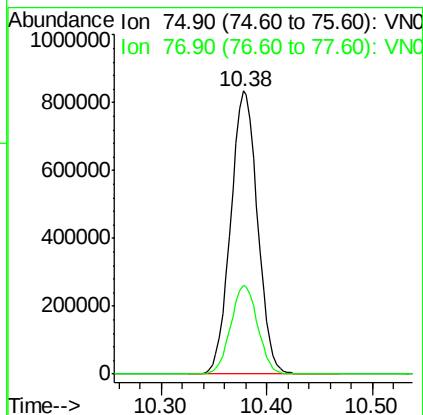
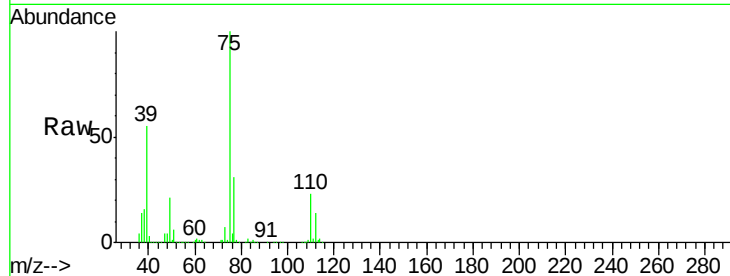
75 100

77 31.5 24.9 37.3

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#54

cis-1,3-Dichloropropene

Concen: 116.636 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

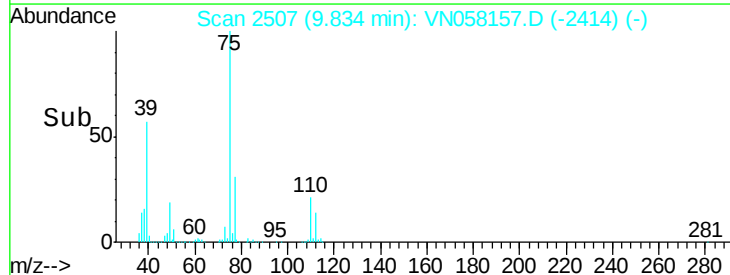
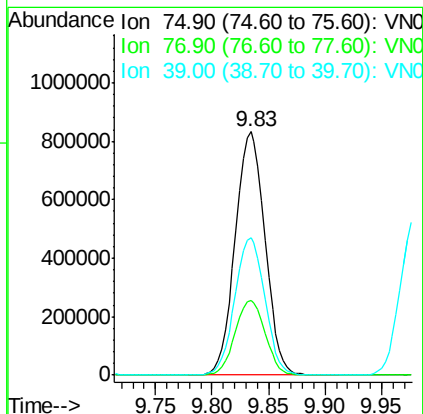
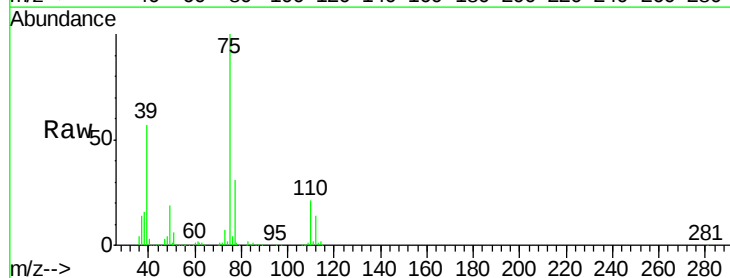
Tgt Ion: 75 Resp: 1534036

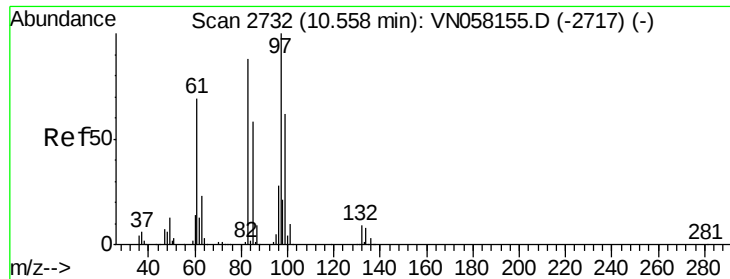
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 56.6 45.0 67.6





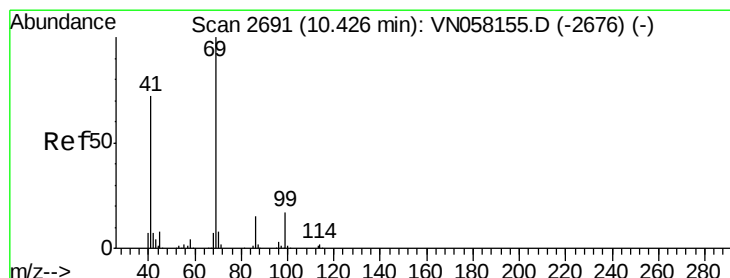
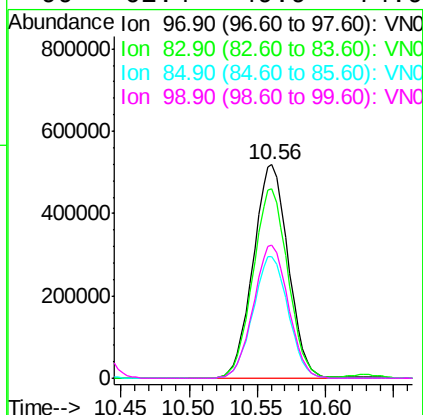
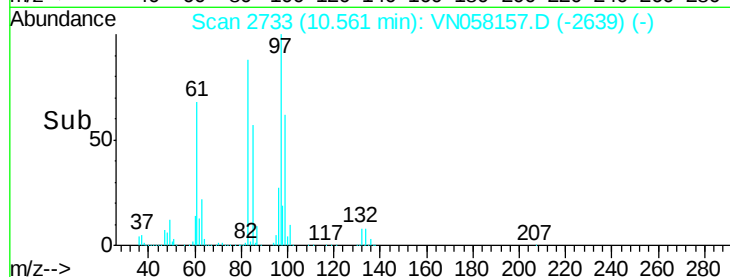
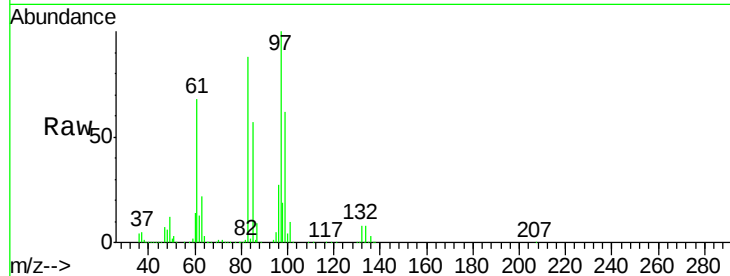
#55
 1,1,2-Trichloroethane
 Concen: 107.528 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	925849
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.4	105.6
85	57.2	46.8	70.2
99	62.4	49.9	74.9

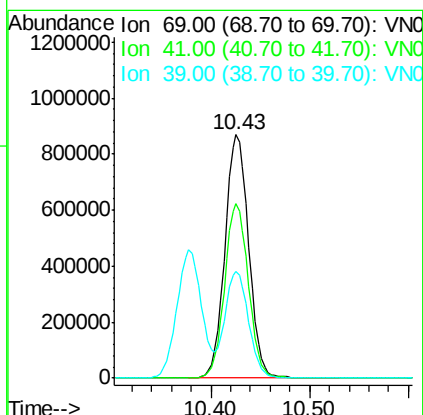
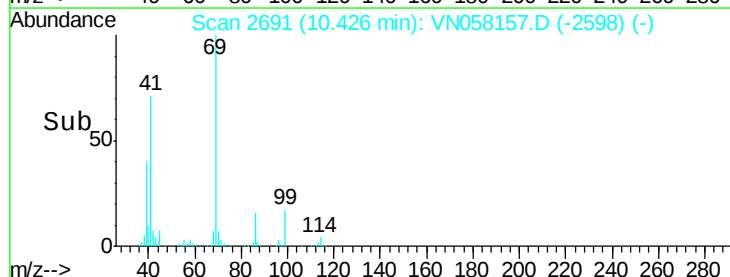
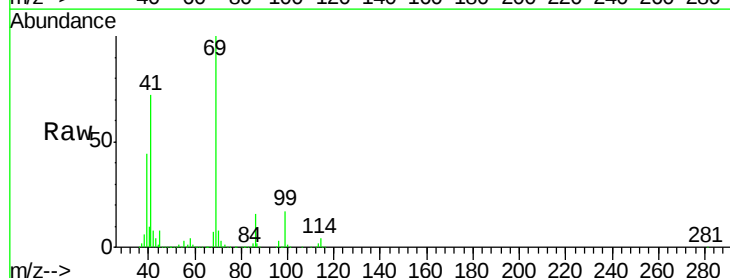
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#56
 Ethyl methacrylate
 Concen: 113.093 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion:	69	Resp:	1458905
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.5	86.3
39	43.7	36.1	54.1





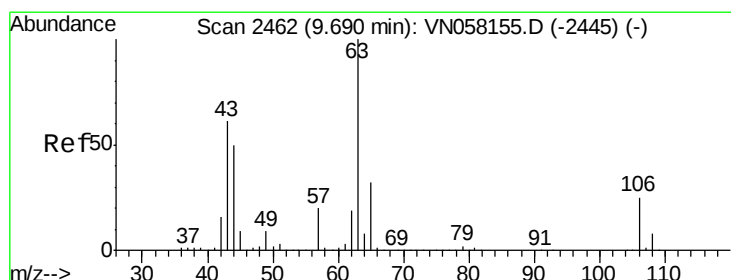
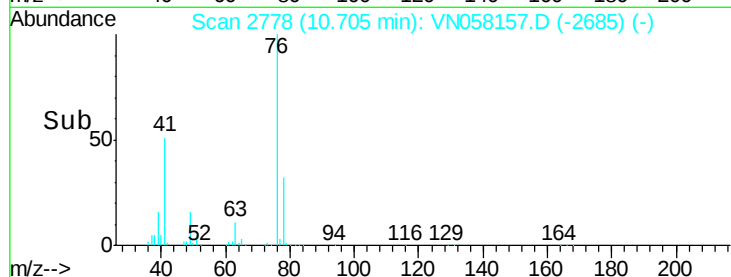
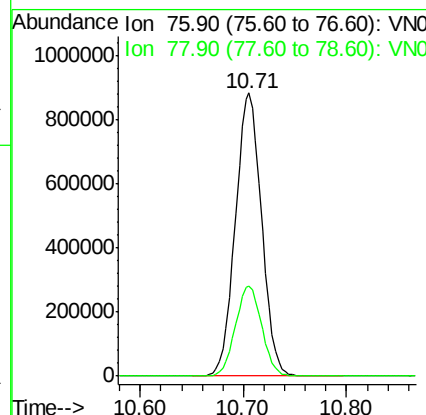
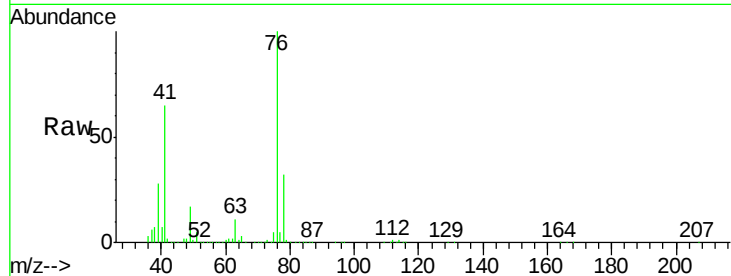
#57
 1,3-Dichloropropane
 Concen: 105.080 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1559725
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0

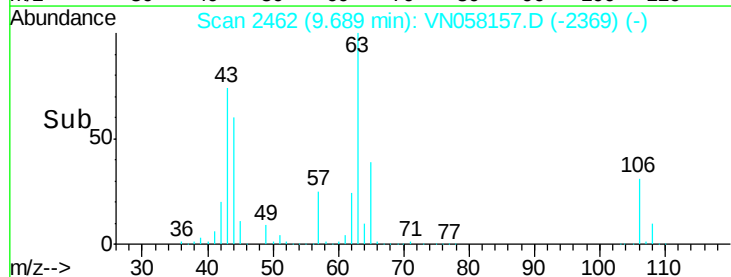
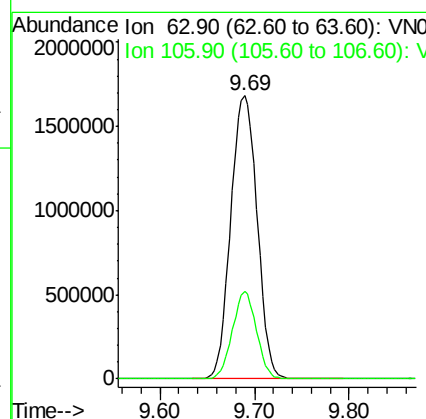
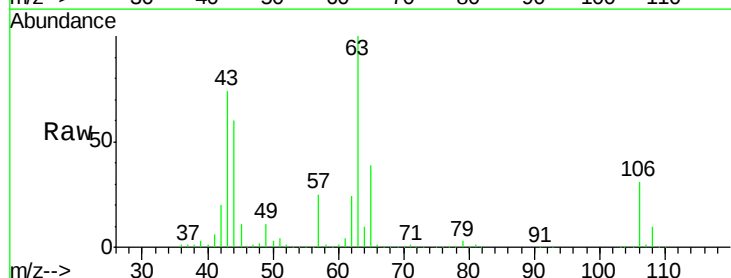
Manual Integrations
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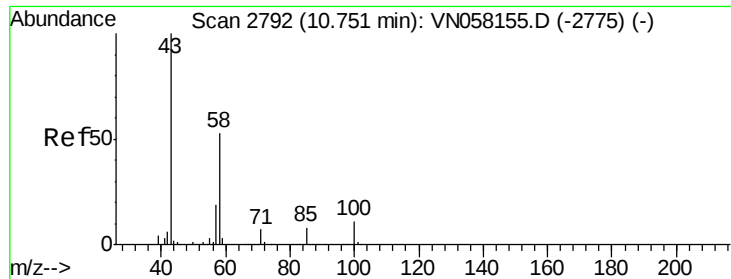
MMDadoda
 9/20/2019 1:14:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 542.039 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 63 Resp: 3262090
 Ion Ratio Lower Upper
 63 100
 106 28.2 19.9 29.9





#59

2-Hexanone

Concen: 459.668 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3758242

Ion Ratio Lower Upper

43 100

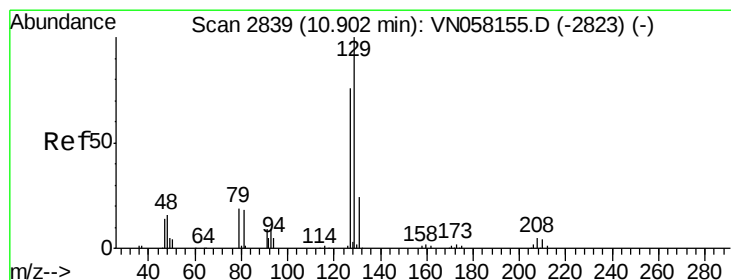
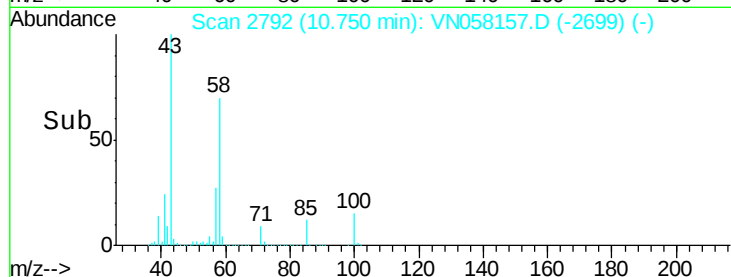
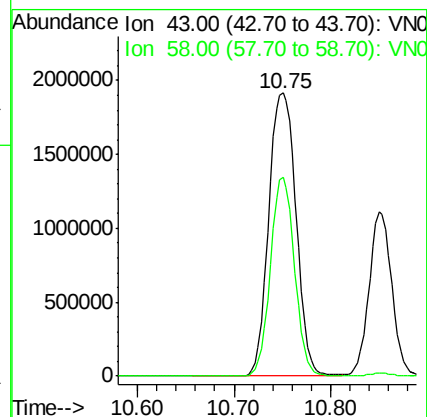
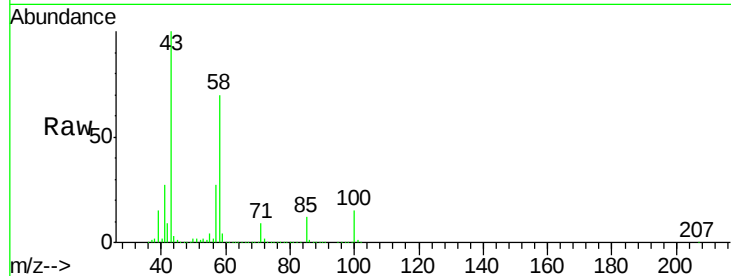
58 62.0 26.0 78.0

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#60

Dibromochloromethane

Concen: 128.973 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN058157.D

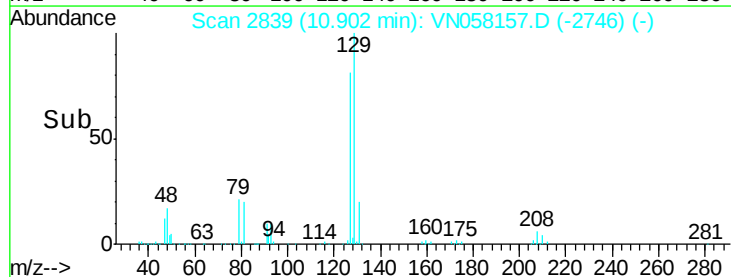
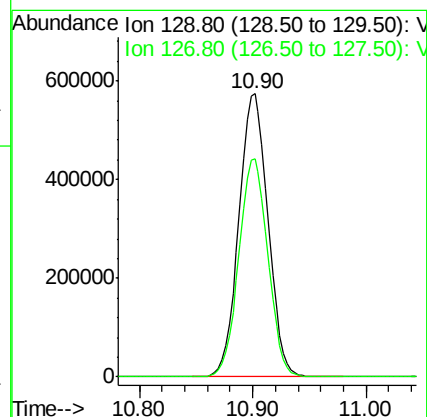
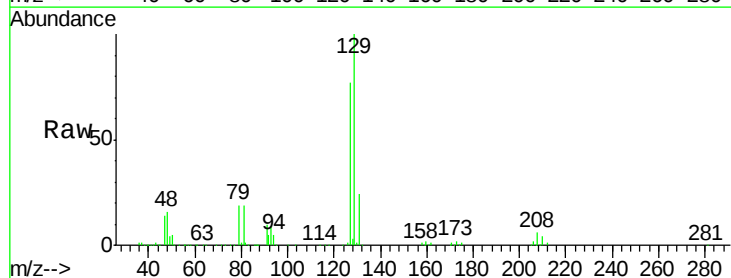
Acq: 18 Sep 2019 11:11

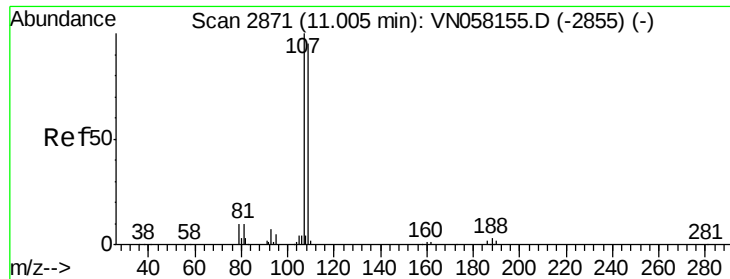
Tgt Ion: 129 Resp: 1029689

Ion Ratio Lower Upper

129 100

127 76.9 38.7 116.1





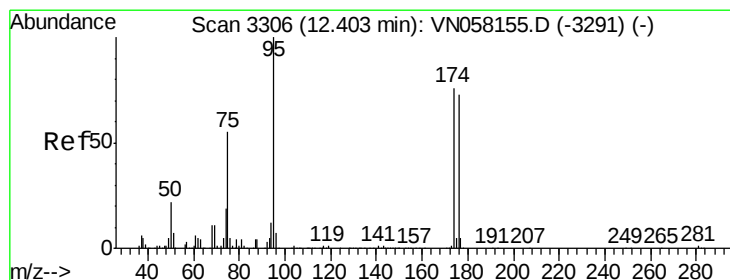
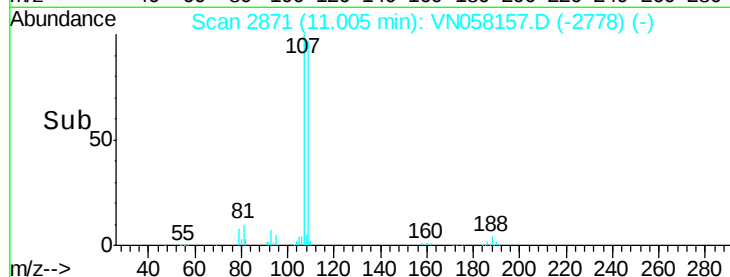
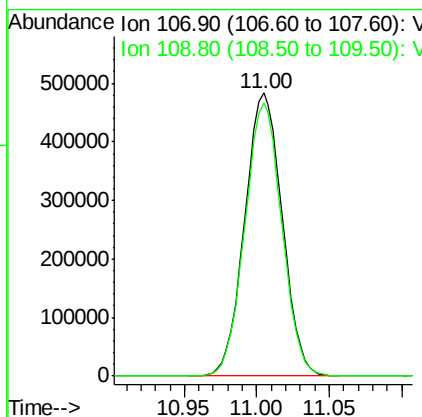
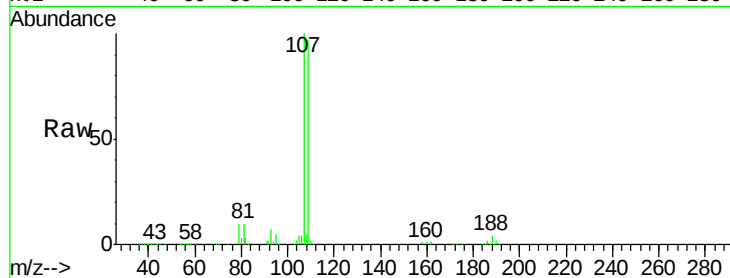
#61
 1,2-Dibromoethane
 Concen: 107.075 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.4	113.2

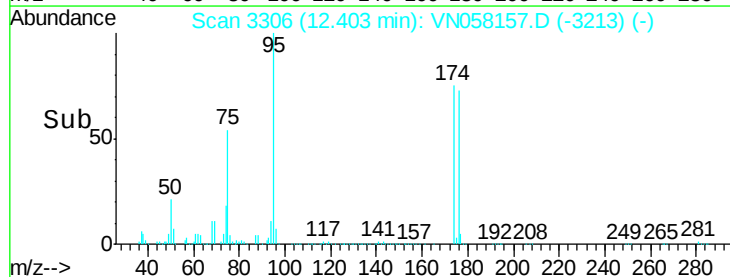
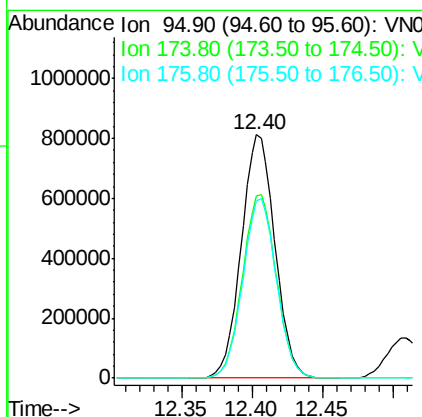
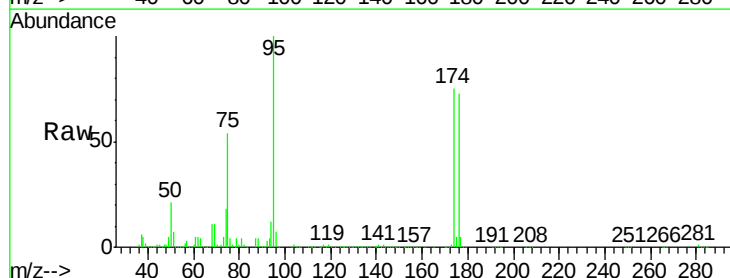
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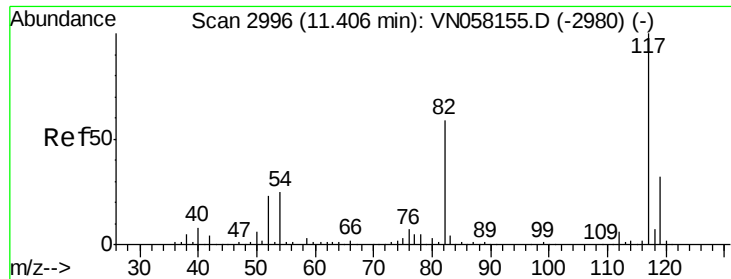
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#62
 4-Bromofluorobenzene
 Concen: 107.212 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	152.2
176	73.7	0.0	148.0





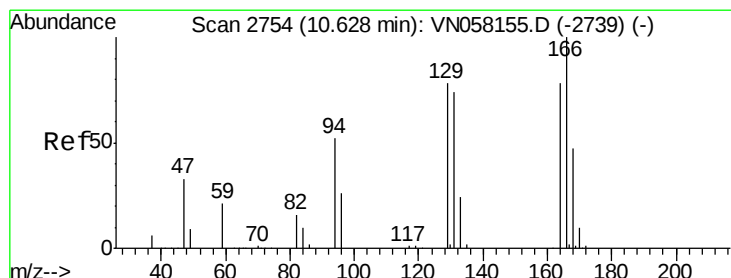
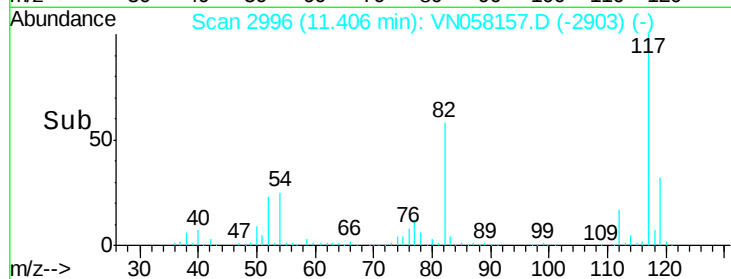
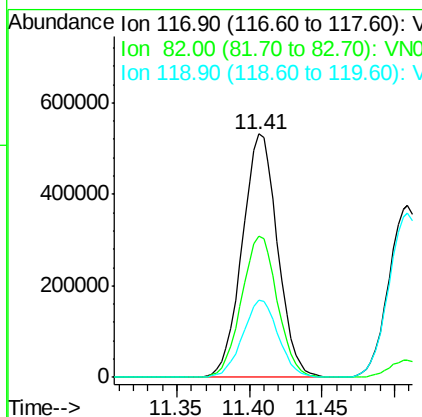
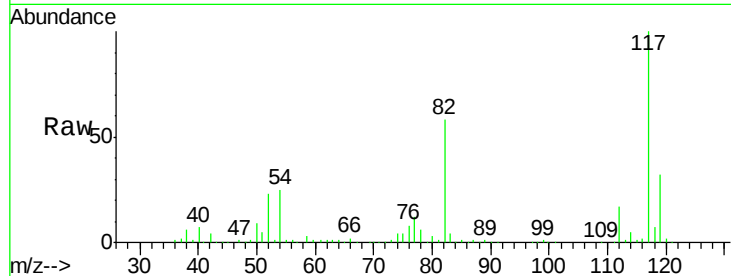
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.9	70.3
119	31.6	25.3	37.9

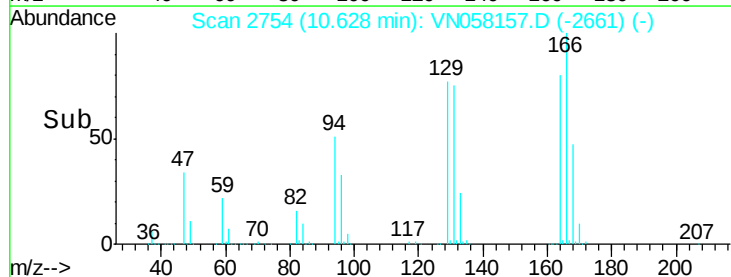
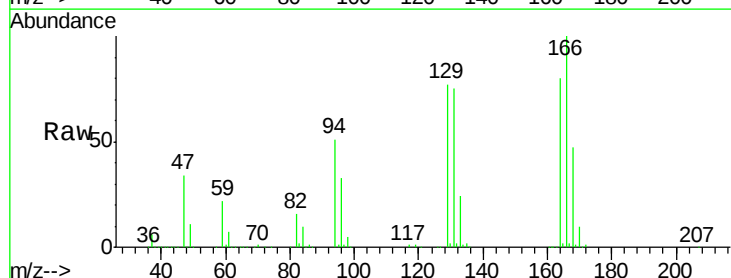
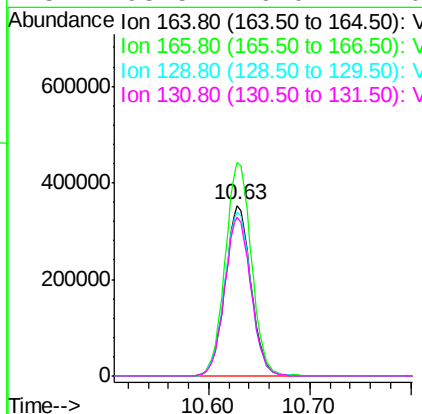
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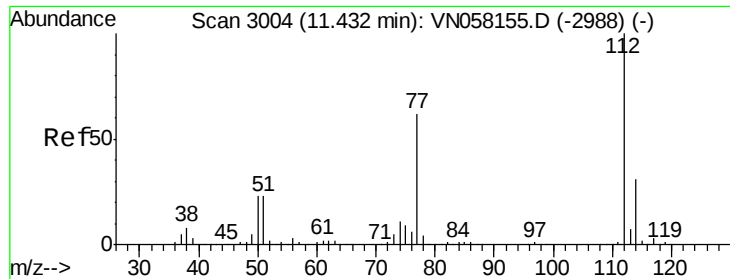
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#64
Tetrachloroethene
Concen: 100.139 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	102.2	153.4
129	96.5	79.6	119.4
131	93.5	76.0	114.0





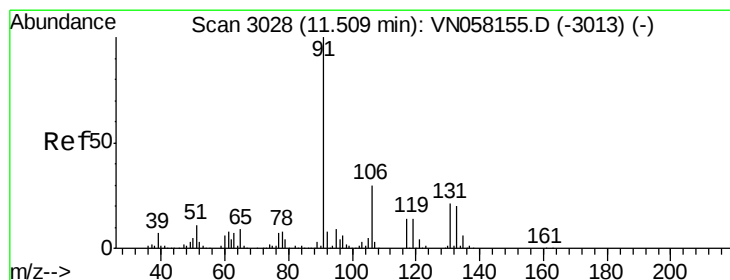
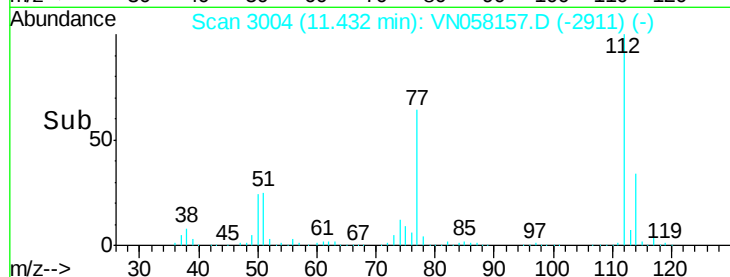
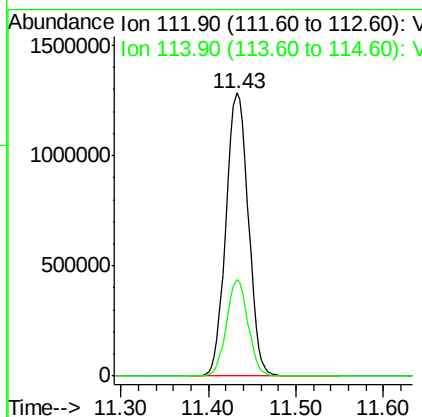
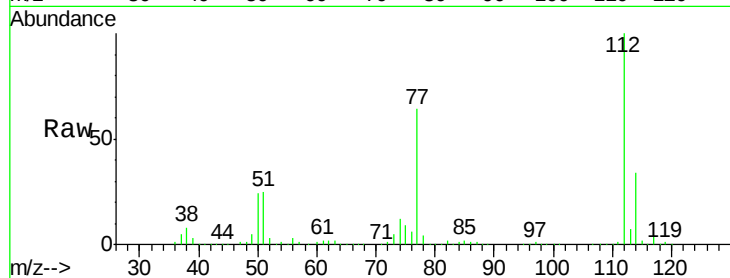
#65
Chlorobenzene
Concen: 102.763 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 2287304
Ion Ratio Lower Upper
112 100
114 33.9 25.1 37.7

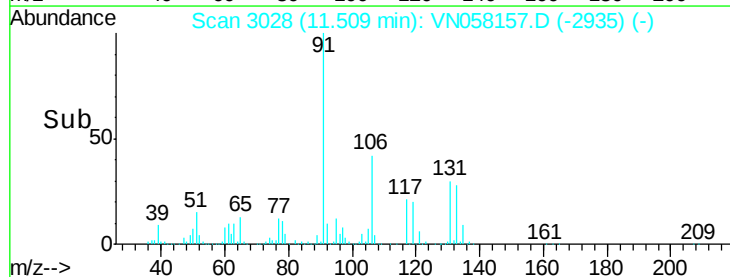
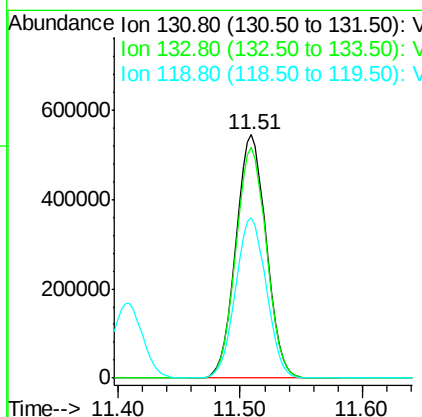
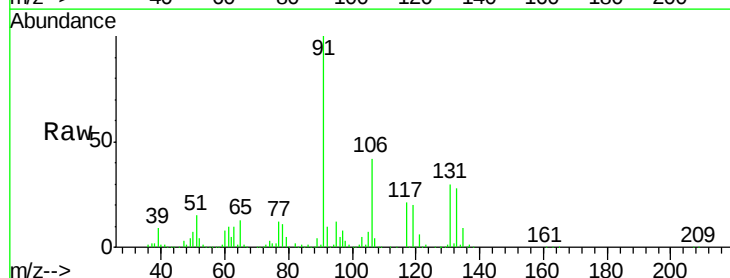
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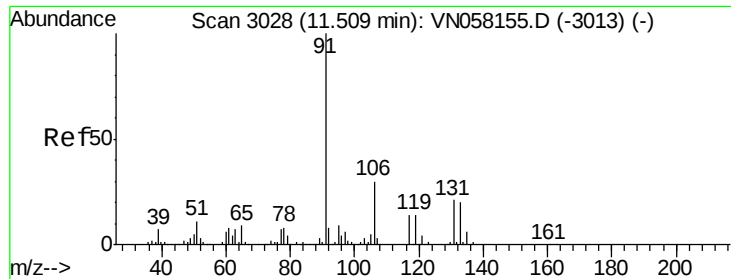
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#66
1,1,1,2-Tetrachloroethane
Concen: 120.987 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion:131 Resp: 936787
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.7 33.1 99.3





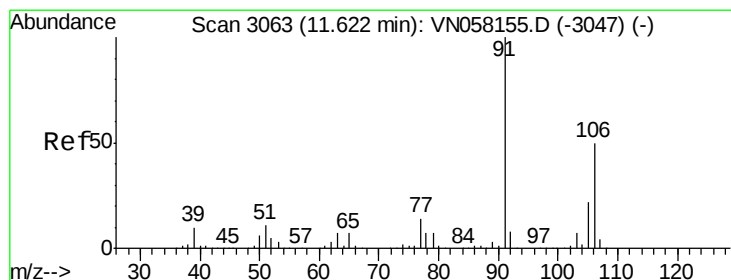
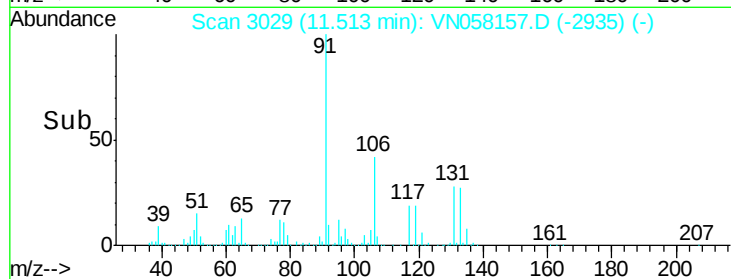
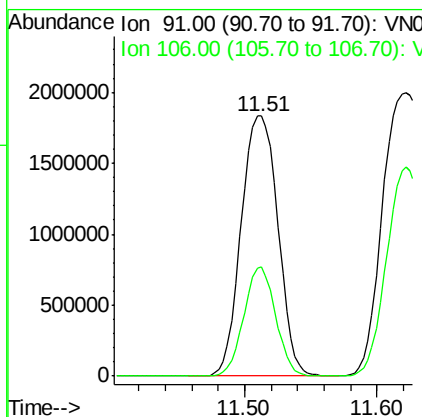
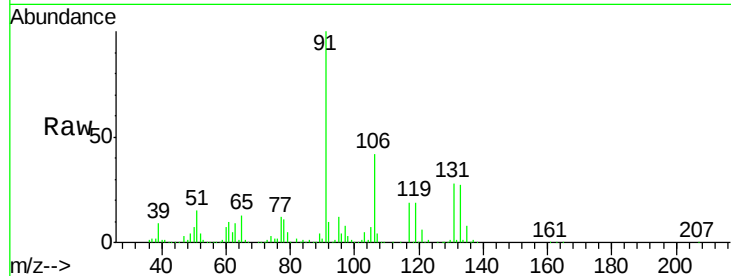
#67
Ethyl Benzene
Concen: 90.643 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3532203
Ion Ratio Lower Upper
91 100
106 41.9 24.0 36.0#

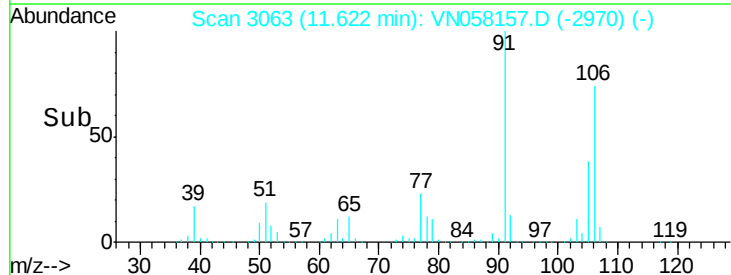
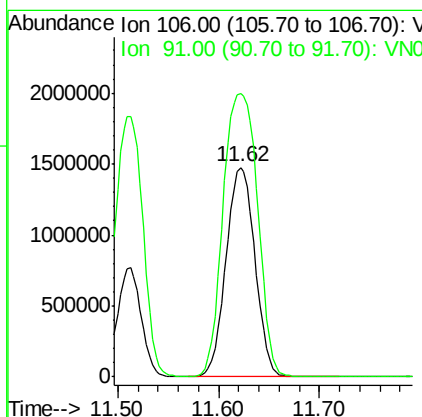
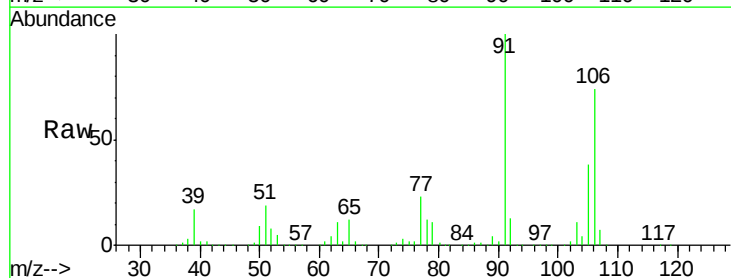
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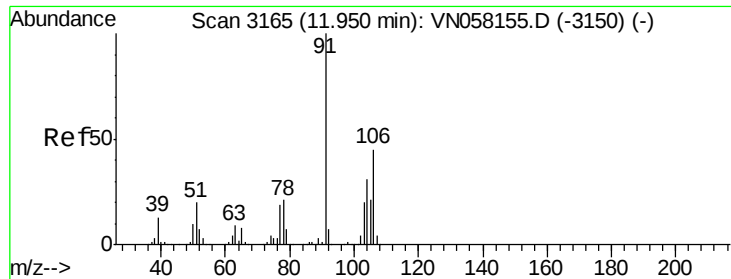
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#68
m/p-Xylenes
Concen: 206.754 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 106 Resp: 2950140
Ion Ratio Lower Upper
106 100
91 161.3 163.6 245.4#





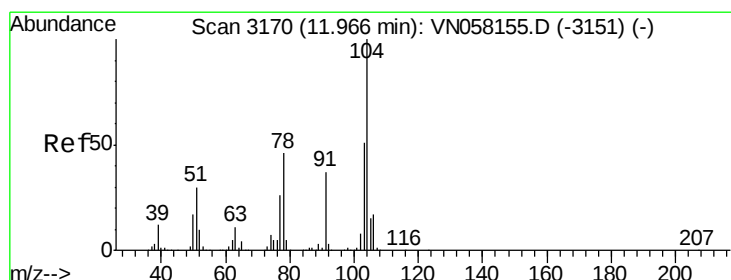
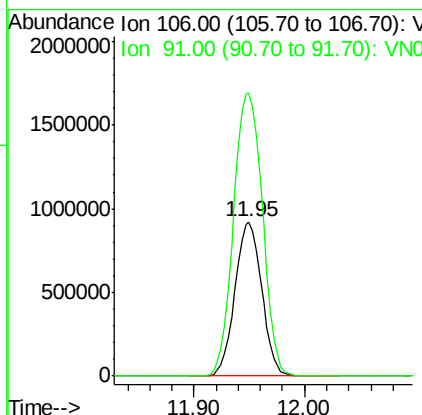
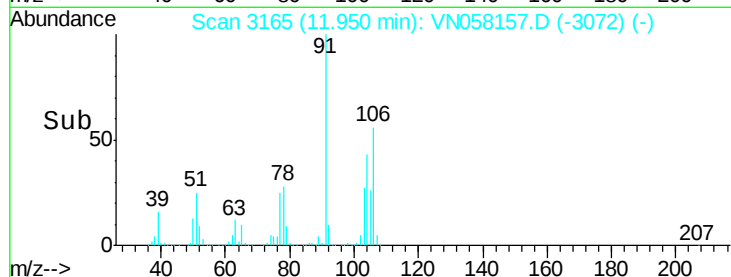
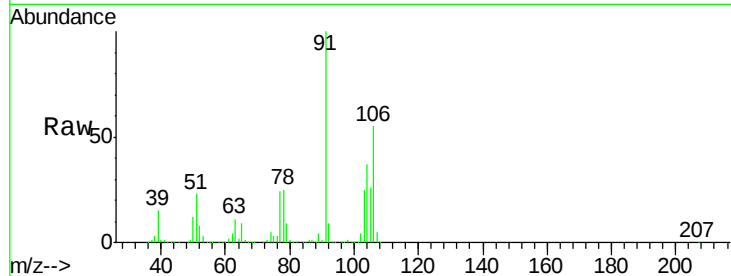
#69
o-Xylene
Concen: 109.324 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1546042
Ion Ratio Lower Upper
106 100
91 199.0 111.8 335.3

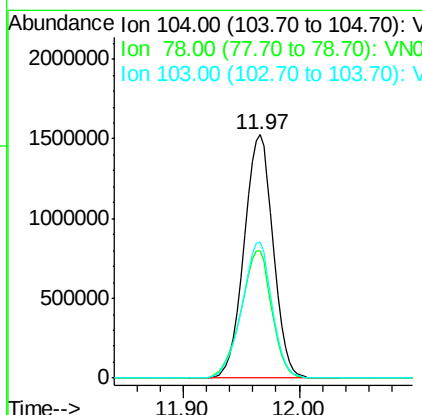
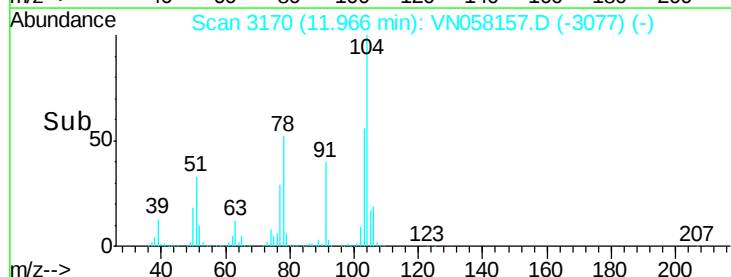
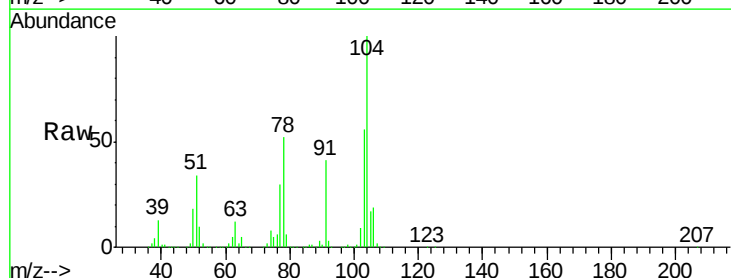
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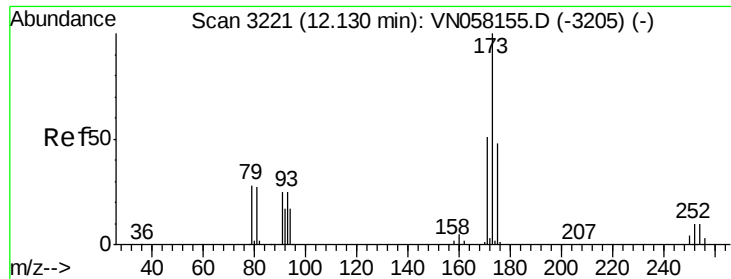
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#70
Styrene
Concen: 109.408 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion:104 Resp: 2662300
Ion Ratio Lower Upper
104 100
78 55.4 41.8 62.8
103 57.8 44.2 66.2





#71

Bromoform

Concen: 144.034 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 692710

Ion Ratio Lower Upper

173 100

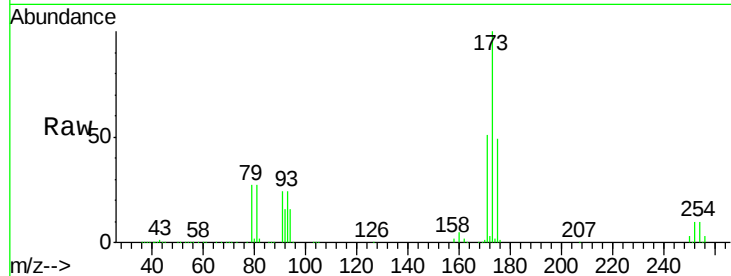
175 48.8 24.2 72.6

254 0.1 0.1 0.1

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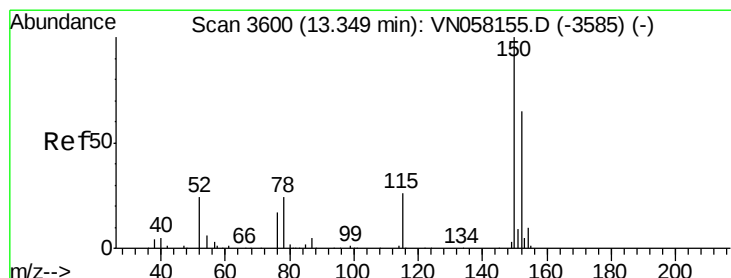
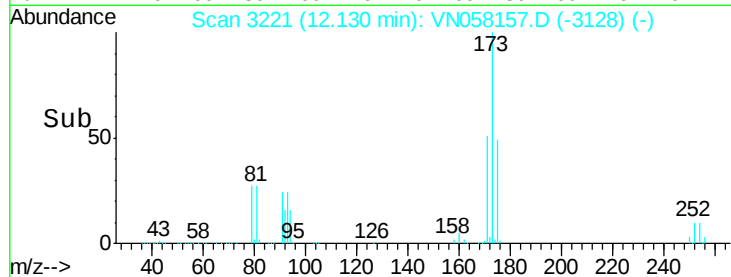
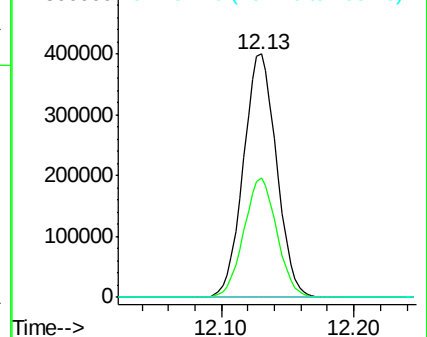
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058157.D

Acq: 18 Sep 2019 11:11

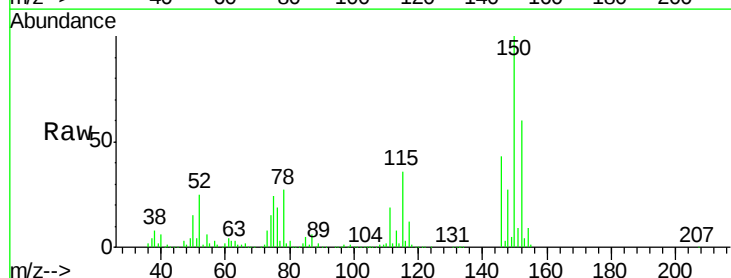
Tgt Ion:152 Resp: 454568

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

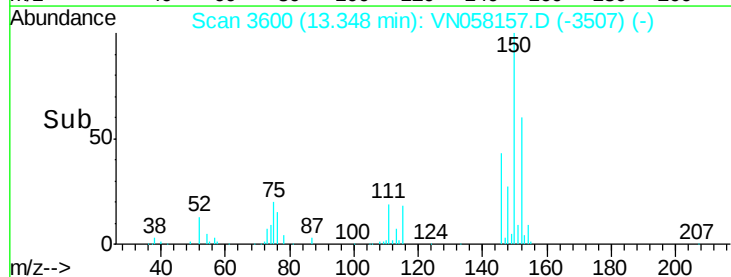
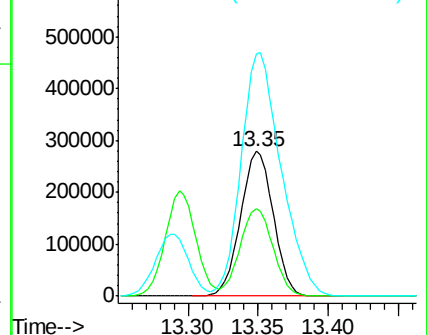
150 204.7 0.0 346.4

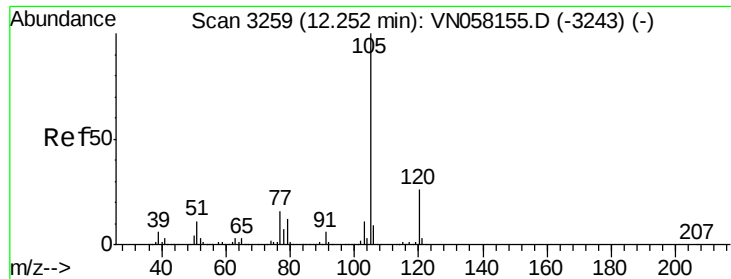


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





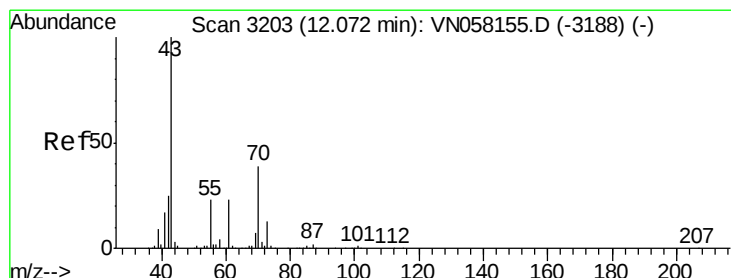
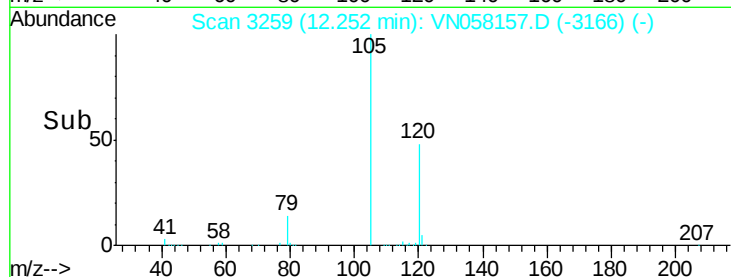
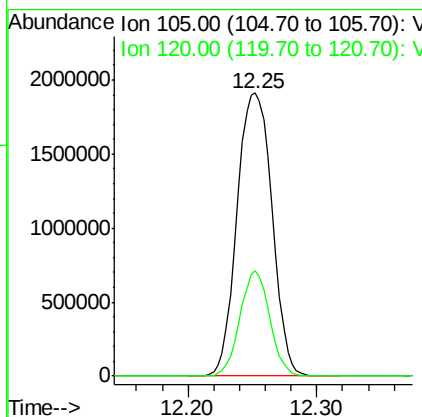
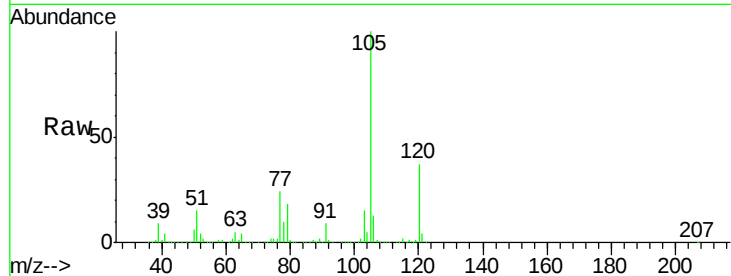
#73
Isopropylbenzene
Concen: 105.754 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 3602722
Ion Ratio Lower Upper
105 100
120 31.7 12.8 38.3

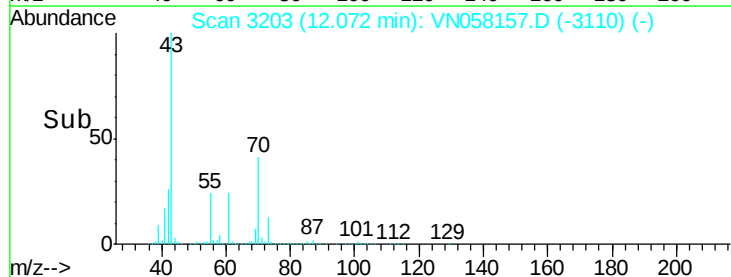
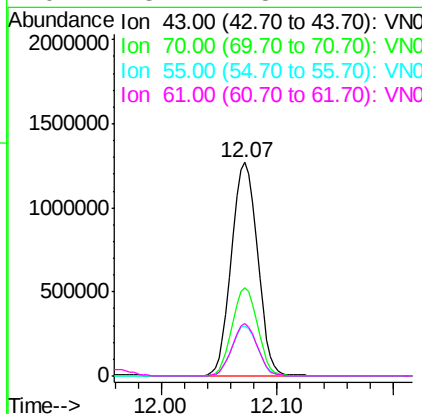
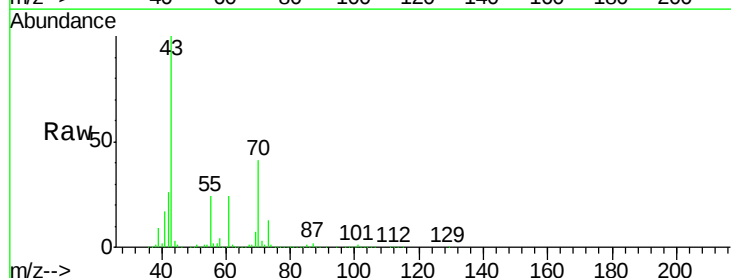
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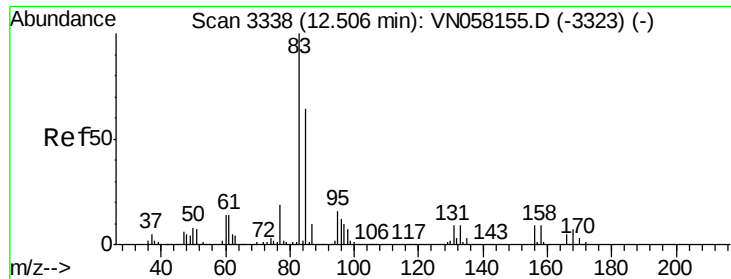
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#74
N-ethyl acetate
Concen: 133.741 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 43 Resp: 1971763
Ion Ratio Lower Upper
43 100
70 40.7 31.0 46.6
55 23.4 18.5 27.7
61 23.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 125.225 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1435492

Ion Ratio Lower Upper

83 100

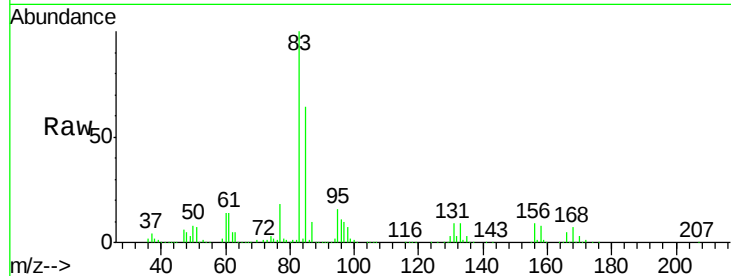
131 9.7 4.8 14.3

85 64.4 31.9 95.5

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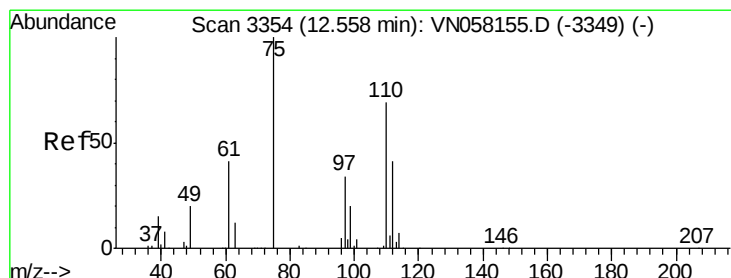
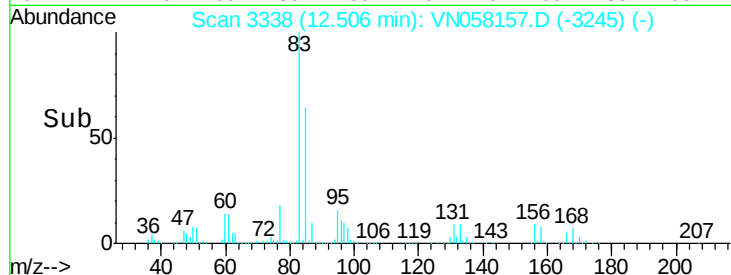
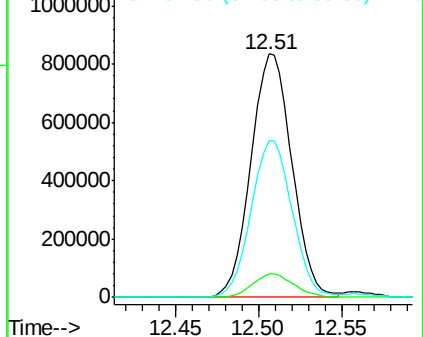
9/20/2019 1:14:33 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 122.960 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058157.D

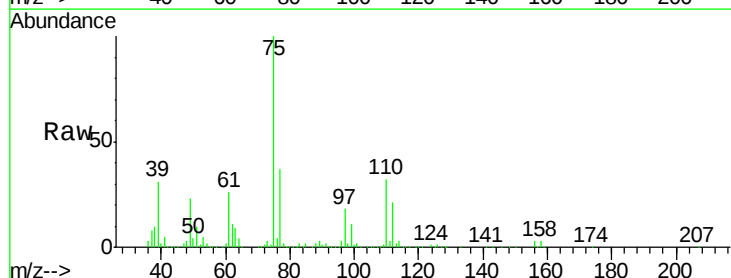
Acq: 18 Sep 2019 11:11

Tgt Ion: 75 Resp: 1212814

Ion Ratio Lower Upper

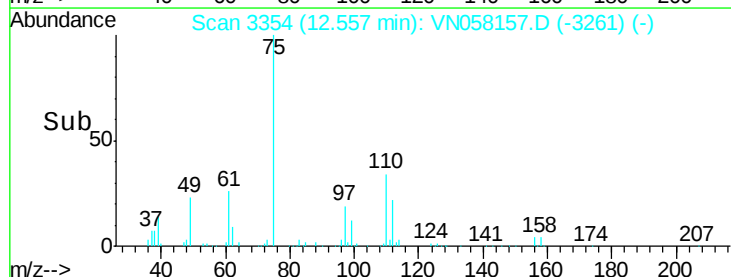
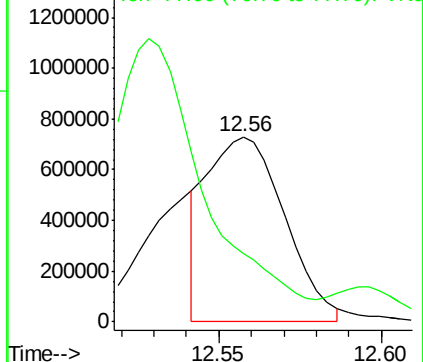
75 100

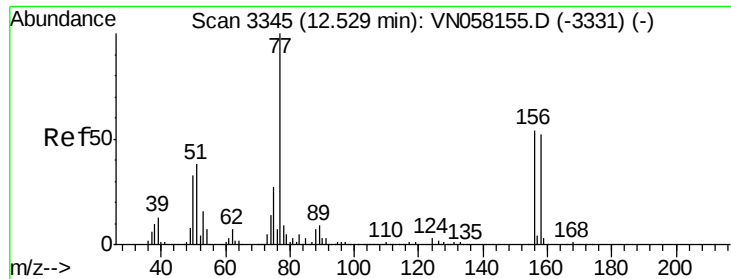
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 121.865 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1040631

Ion Ratio Lower Upper

156 100

77 222.3 111.7 335.1

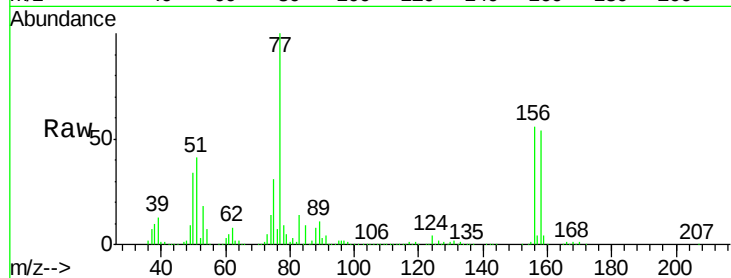
158 97.5 47.9 143.8

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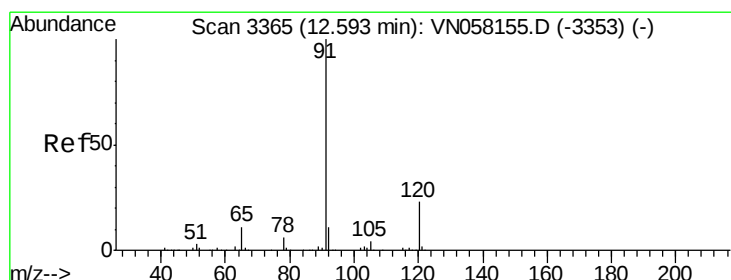
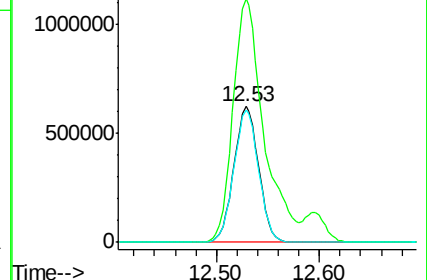
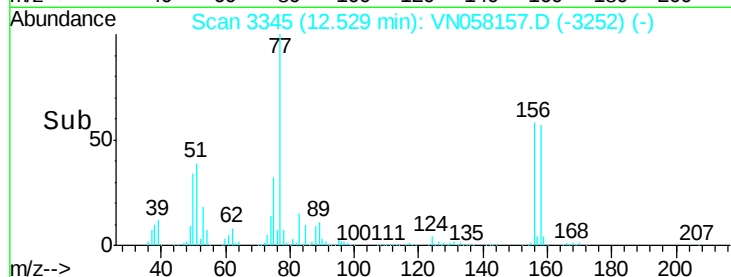
9/20/2019 1:14:33 PM



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: 100.448 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058157.D

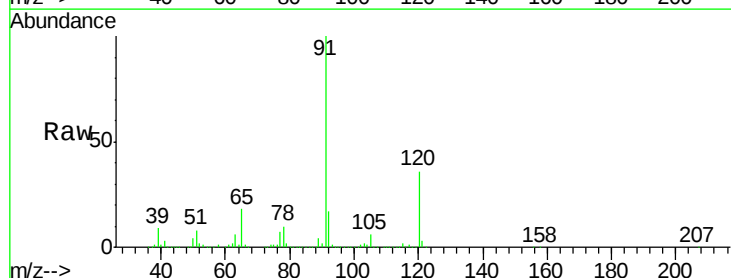
Acq: 18 Sep 2019 11:11

Tgt Ion: 91 Resp: 3923738

Ion Ratio Lower Upper

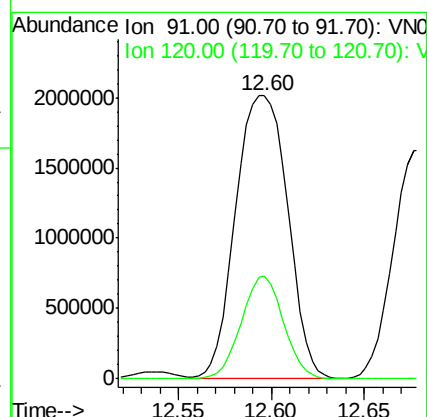
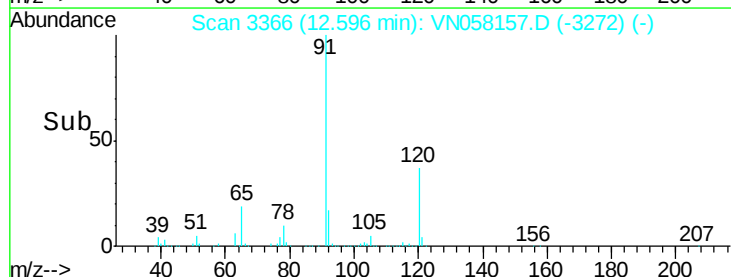
91 100

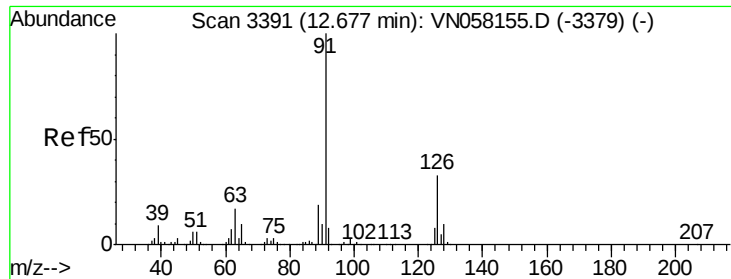
120 29.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 115.482 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2858155

Ion Ratio Lower Upper

91 100

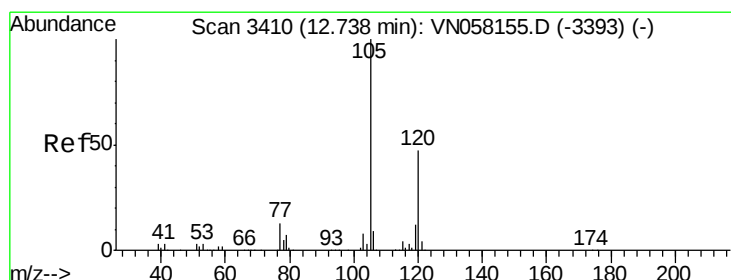
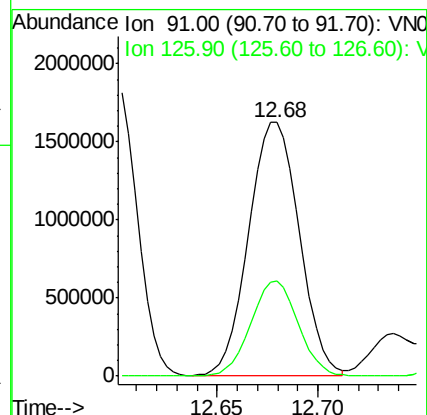
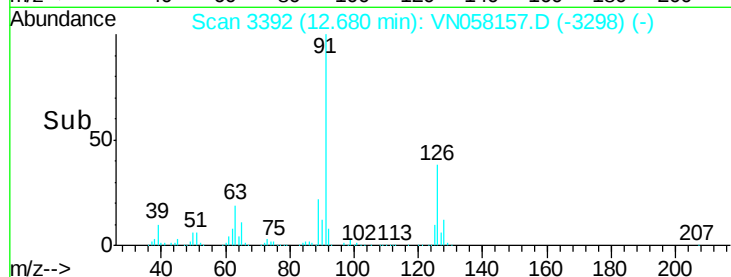
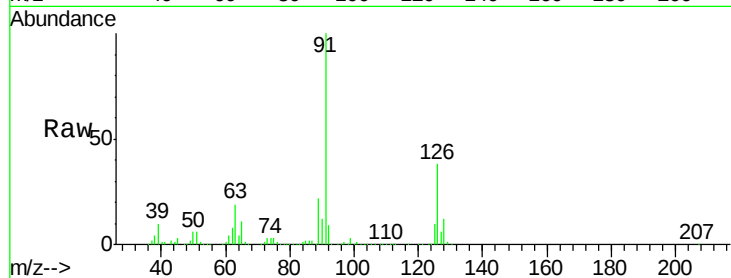
126 35.2 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 112.254 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058157.D

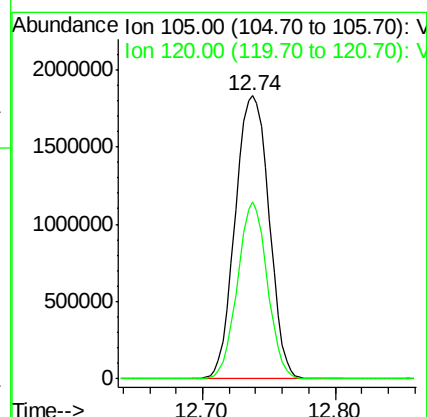
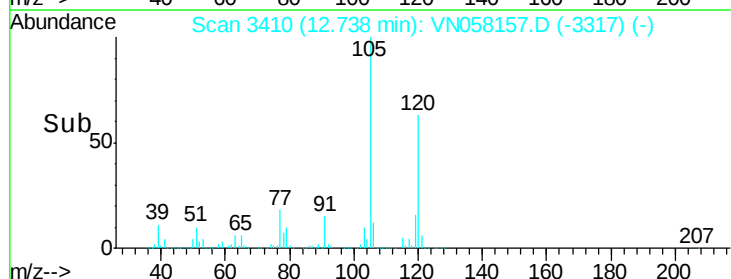
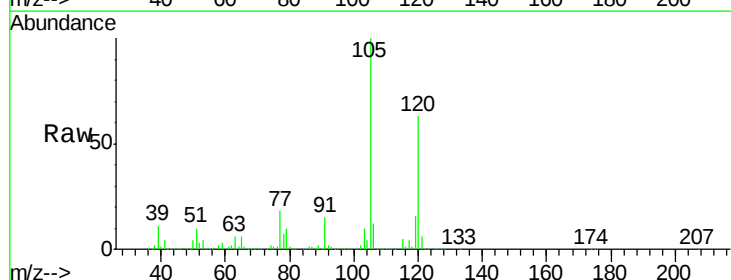
Acq: 18 Sep 2019 11:11

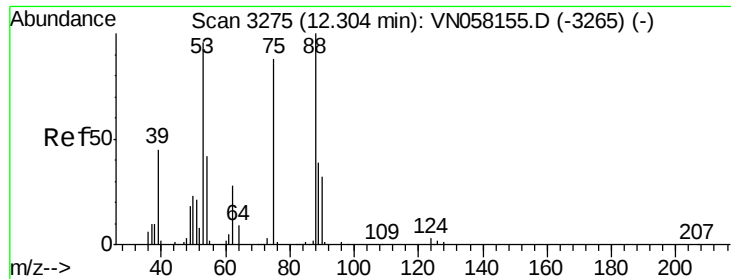
Tgt Ion: 105 Resp: 3234744

Ion Ratio Lower Upper

105 100

120 55.2 23.4 70.0





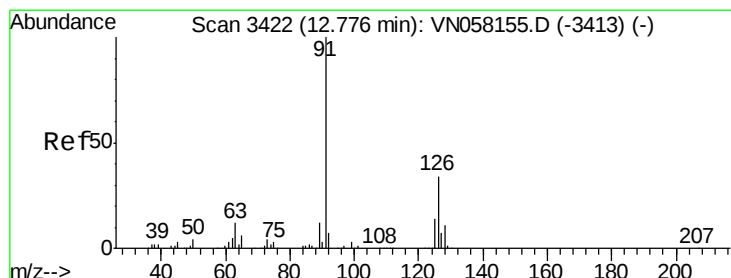
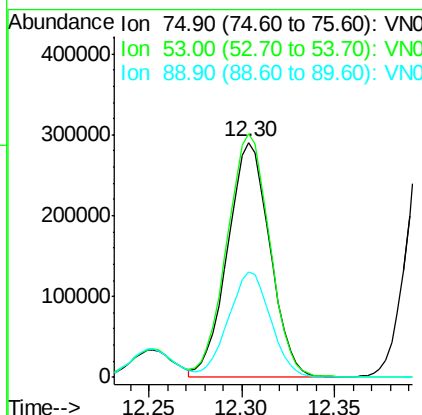
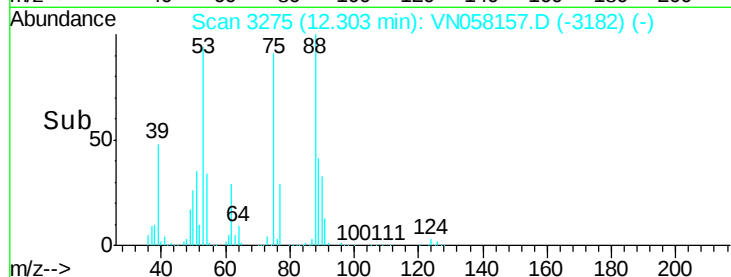
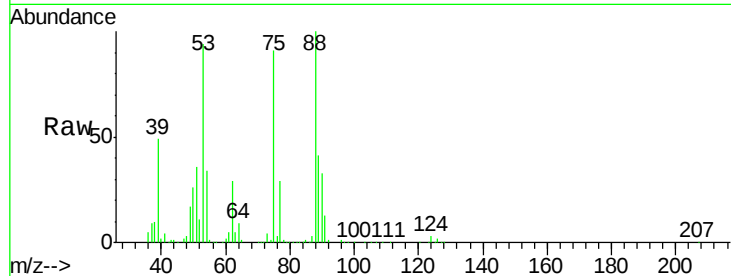
#81
trans-1,4-Dichloro-2-butene
Concen: 163.437 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.0	90.1	135.1
89	45.0	36.2	54.2

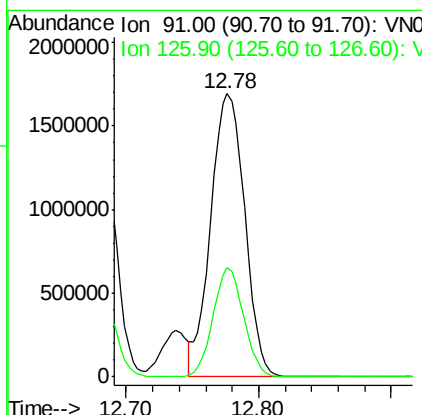
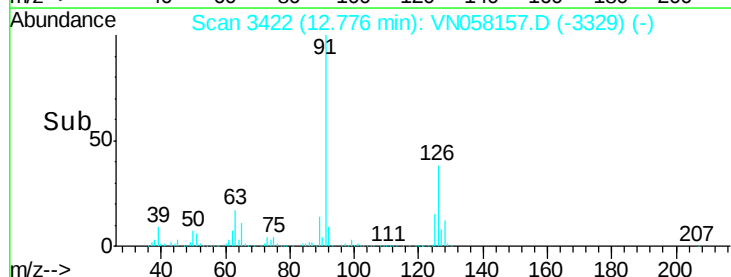
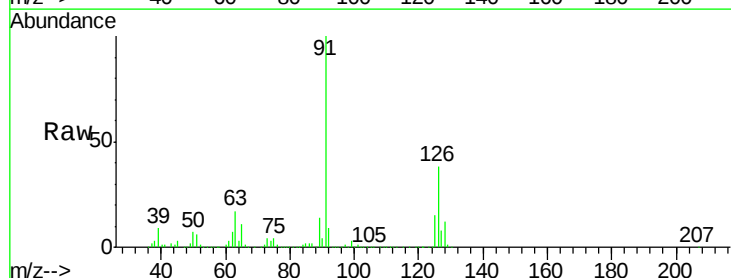
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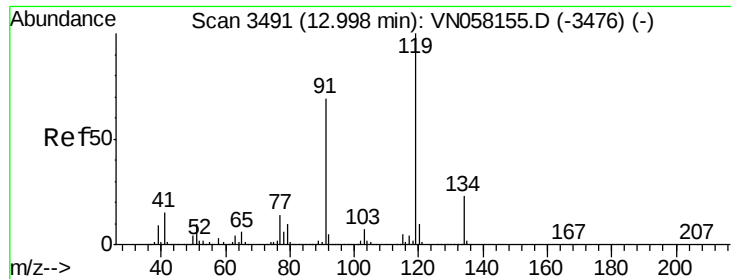
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#82
4-Chlorotoluene
Concen: 118.449 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	15.7	47.1





#83

tert-Butylbenzene

Concen: 117.902 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 3018873

Ion Ratio Lower Upper

119 100

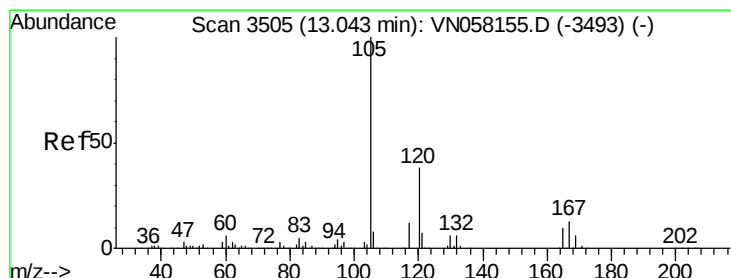
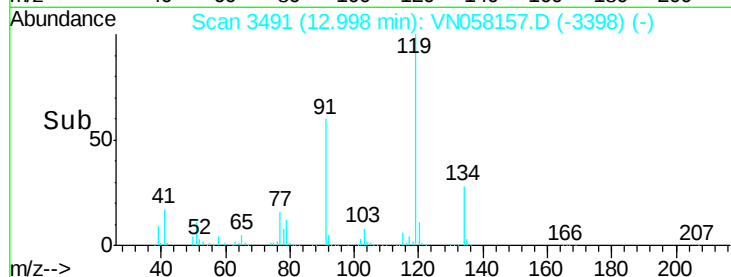
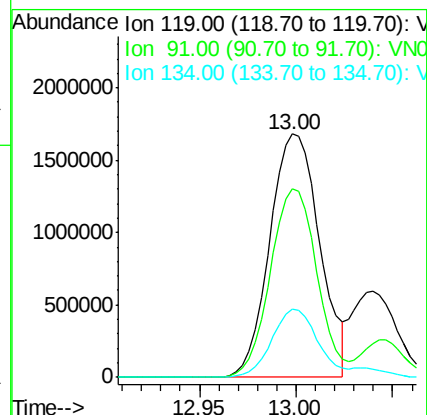
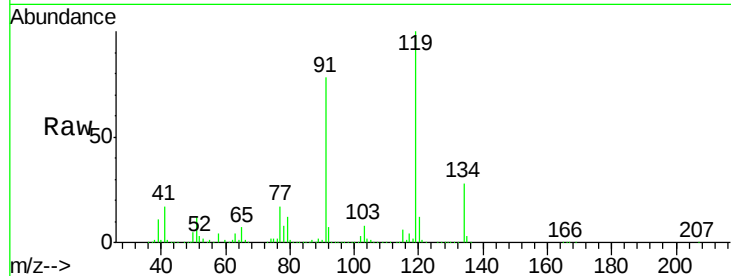
91 72.5 33.8 101.3

134 26.2 11.6 34.8

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#84

1,2,4-Trimethylbenzene

Concen: 110.168 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058157.D

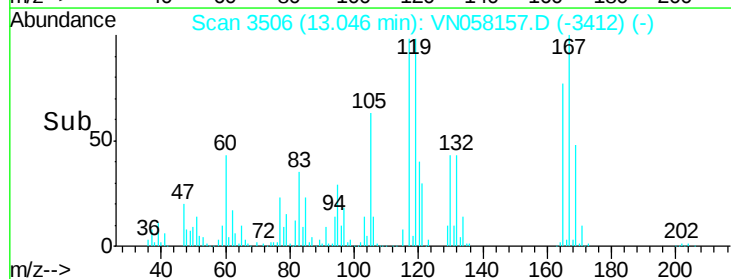
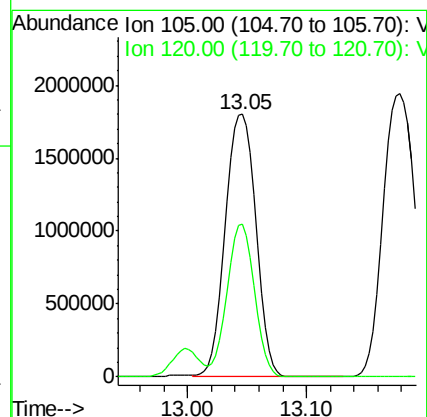
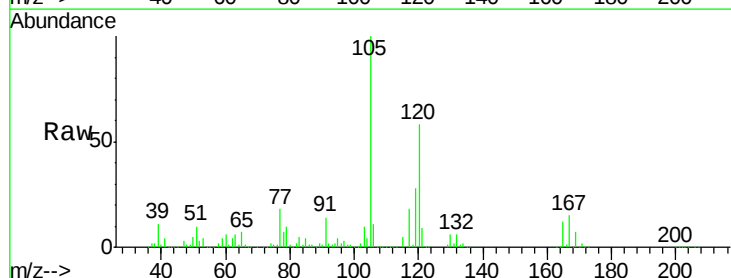
Acq: 18 Sep 2019 11:11

Tgt Ion:105 Resp: 3217423

Ion Ratio Lower Upper

105 100

120 52.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 106.273 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3601686

Ion Ratio Lower Upper

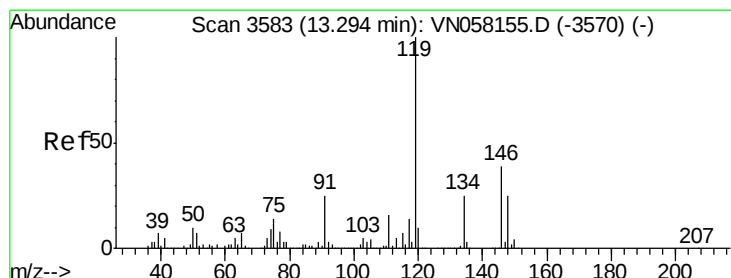
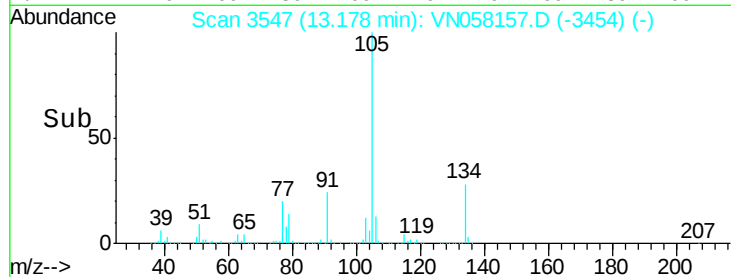
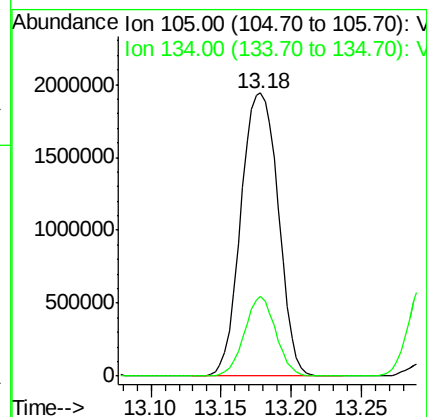
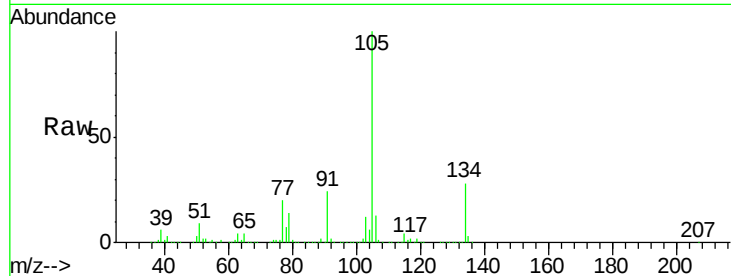
105 100

134 23.7 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 111.859 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

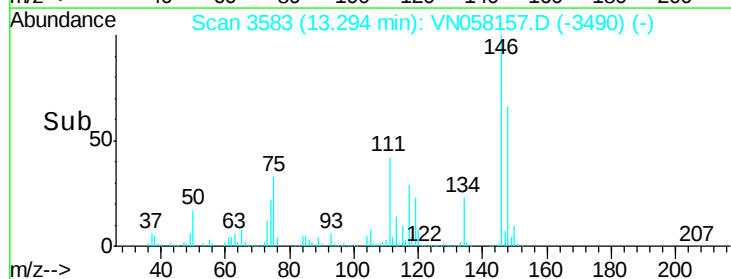
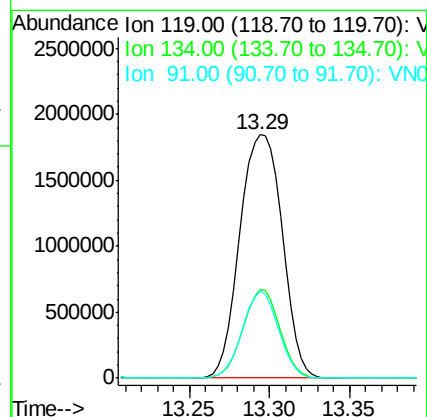
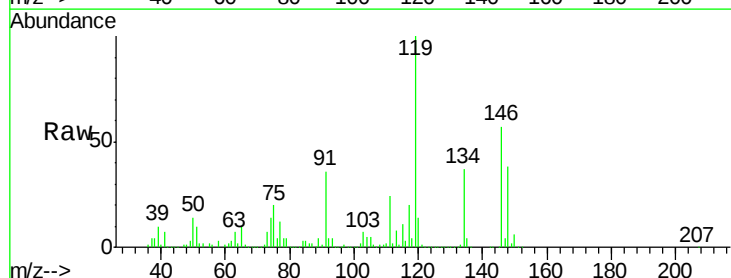
Tgt Ion:119 Resp: 3335862

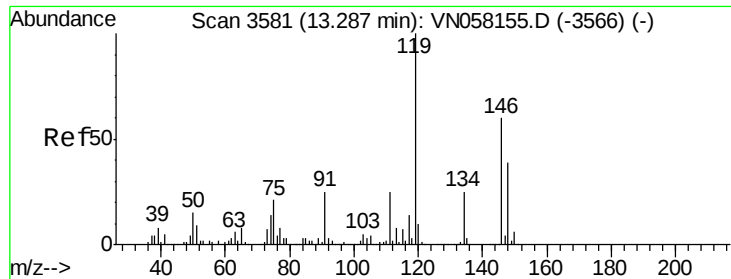
Ion Ratio Lower Upper

119 100

134 31.4 12.7 38.0

91 30.4 12.3 36.8





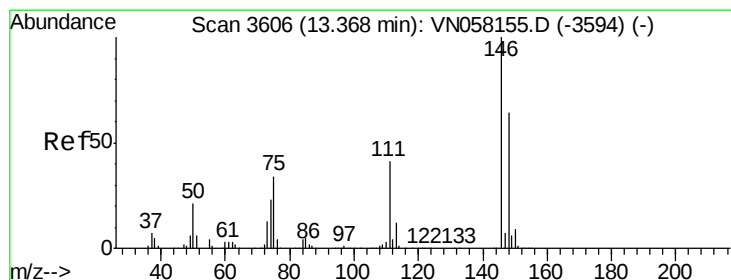
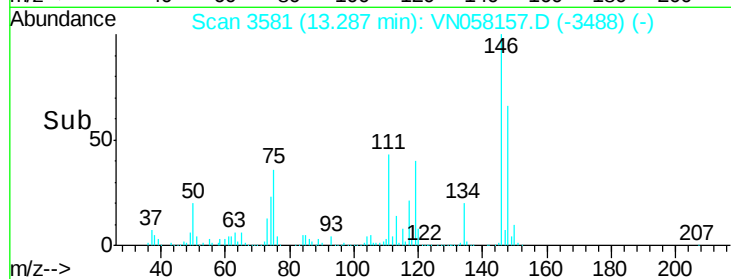
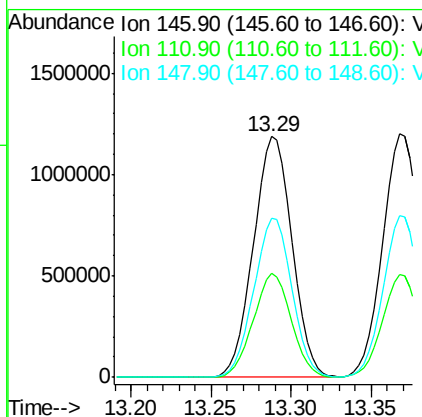
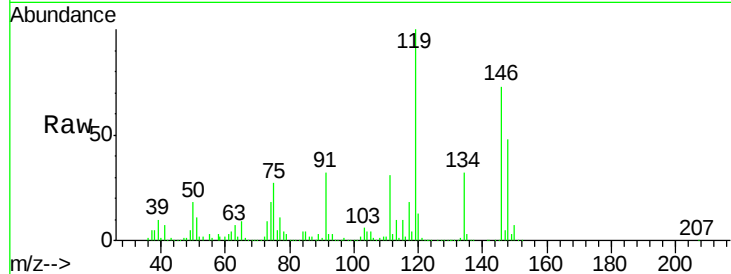
#87
 1,3-Dichlorobenzene
 Concen: 126.585 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1974553
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.9 62.8
 148 65.2 32.0 96.2

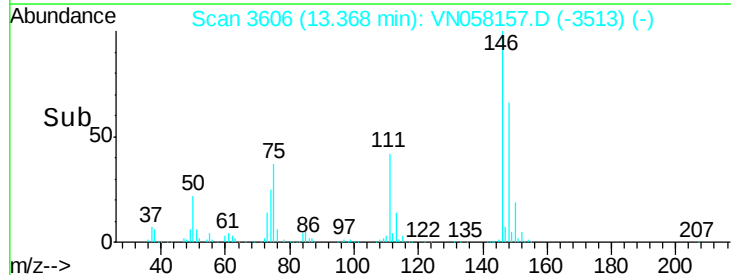
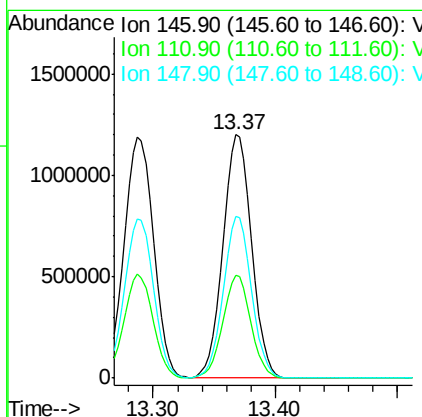
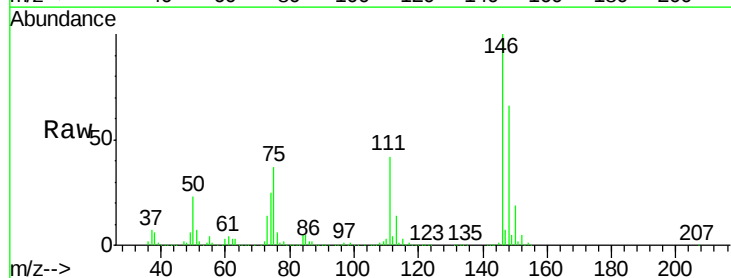
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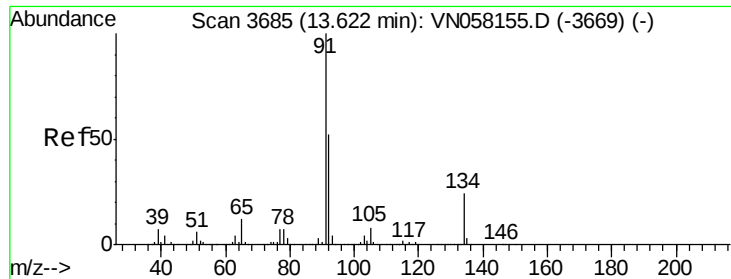
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#88
 1,4-Dichlorobenzene
 Concen: 124.861 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion:146 Resp: 1983825
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.5 61.5
 148 65.1 31.9 95.5





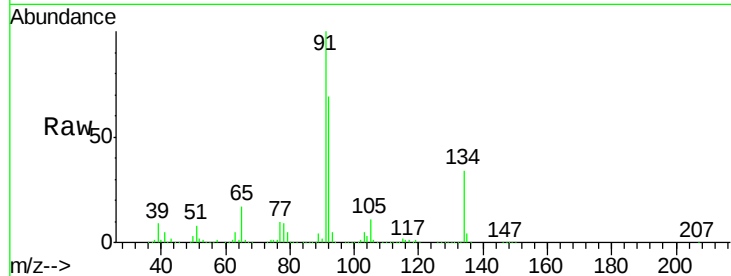
#89
n-Butylbenzene
Concen: 116.066 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

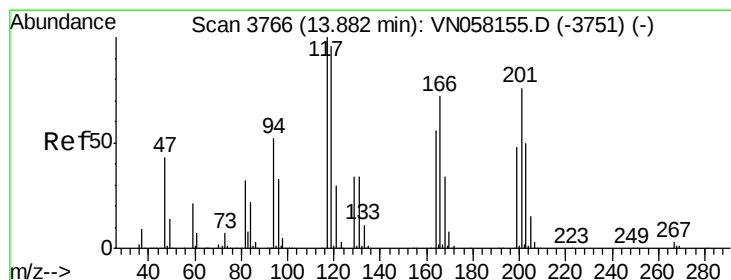
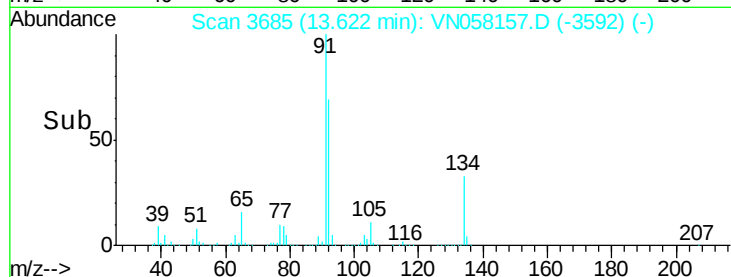
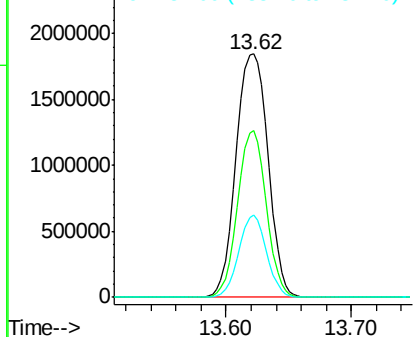
Tot Ion: 91 Resp: 3280036
Ion Ratio Lower Upper
91 100
92 61.1 25.7 77.0
134 29.2 11.8 35.4

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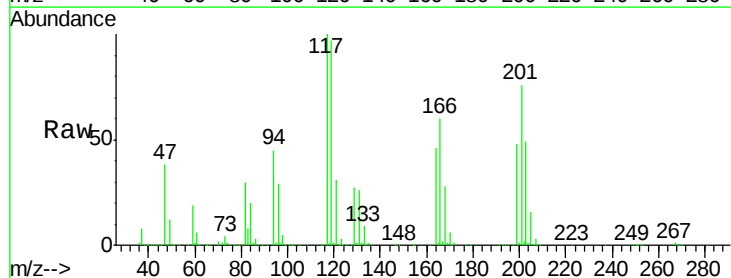


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

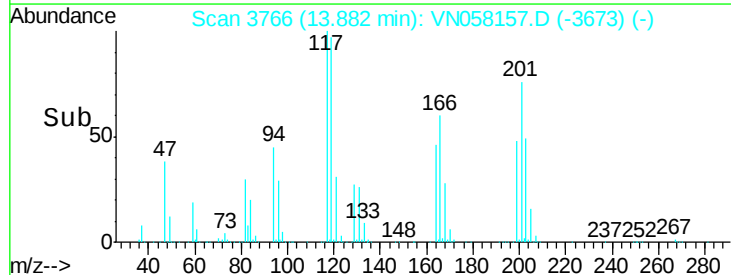
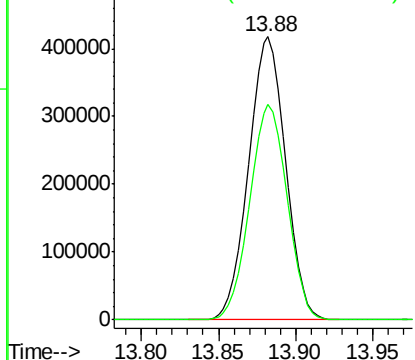


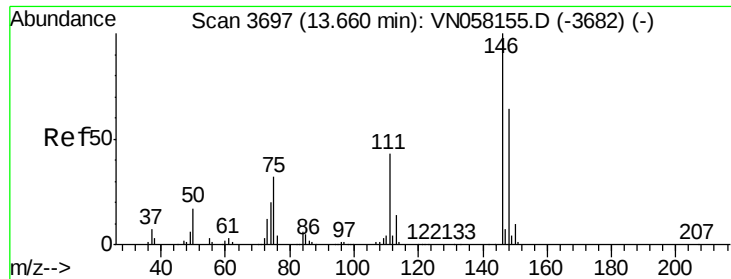
#90
Hexachloroethane
Concen: 156.110 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 117 Resp: 696278
Ion Ratio Lower Upper
117 100
201 77.1 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





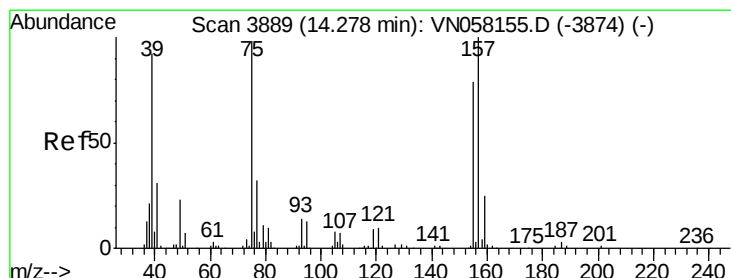
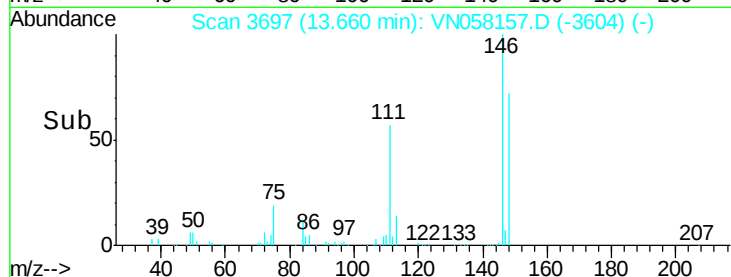
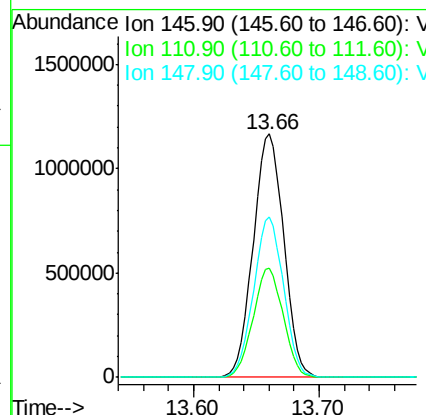
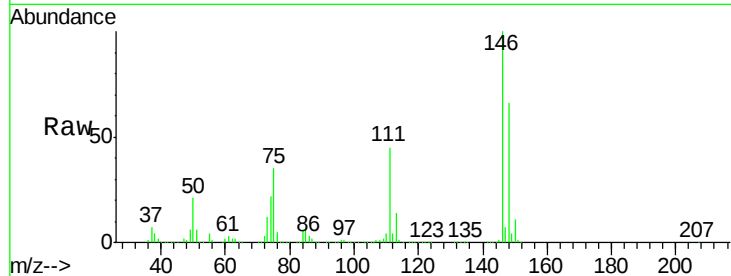
#91
 1,2-Dichlorobenzene
 Concen: 126.781 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.1	63.1
148	64.5	31.8	95.4

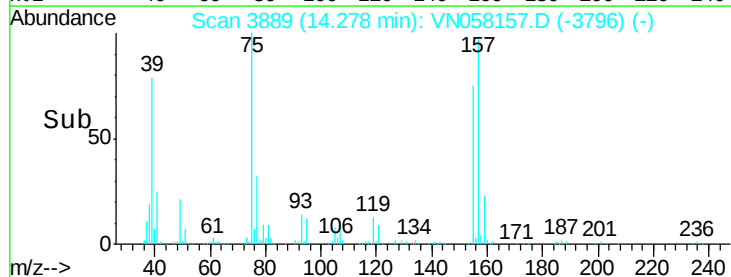
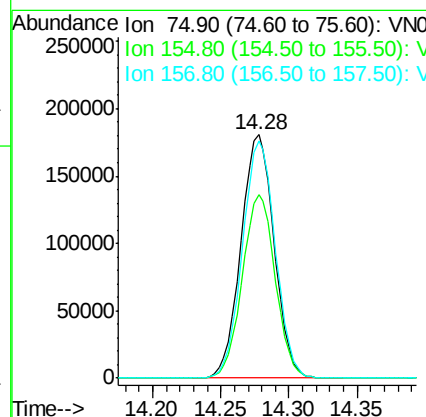
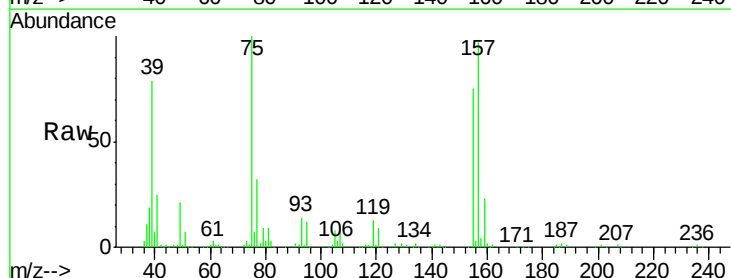
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 160.805 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	38.3	114.8
157	96.1	48.0	144.0





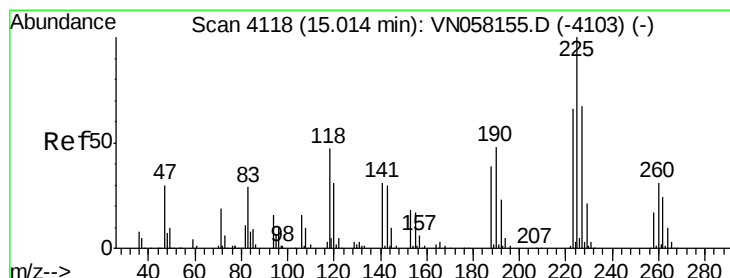
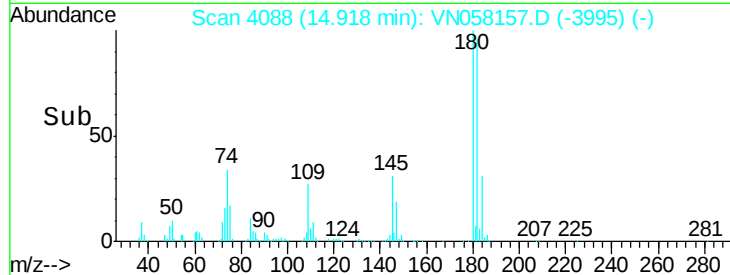
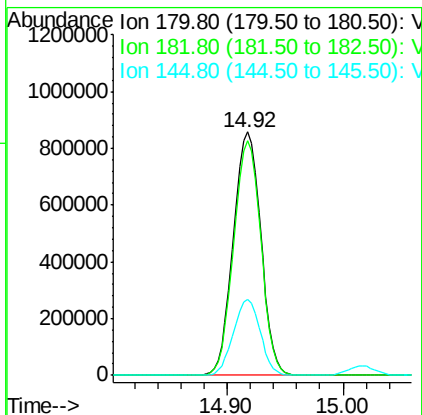
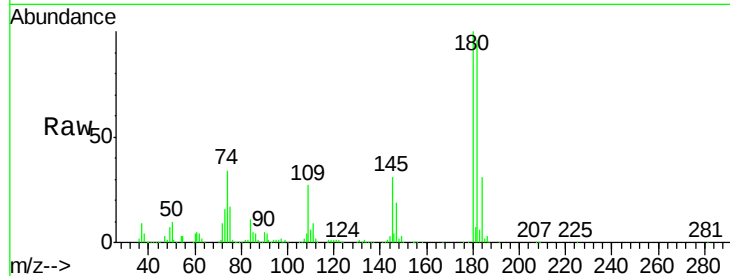
#93
 1,2,4-Trichlorobenzene
 Concen: 136.700 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	30.5	15.4	46.4

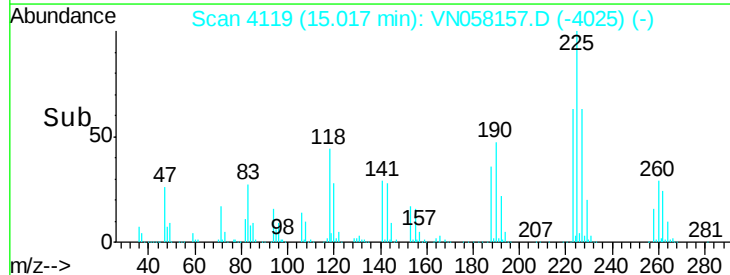
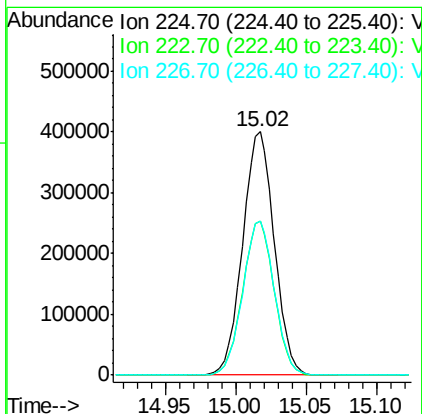
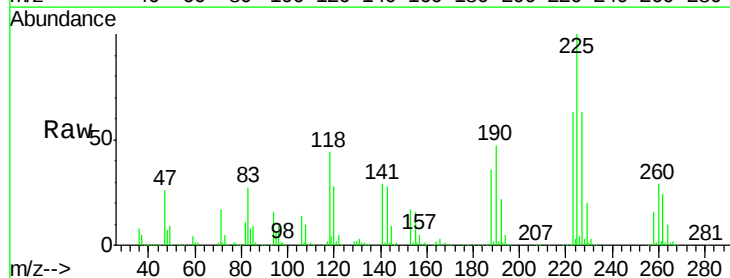
Manual Integrations
 APPROVED

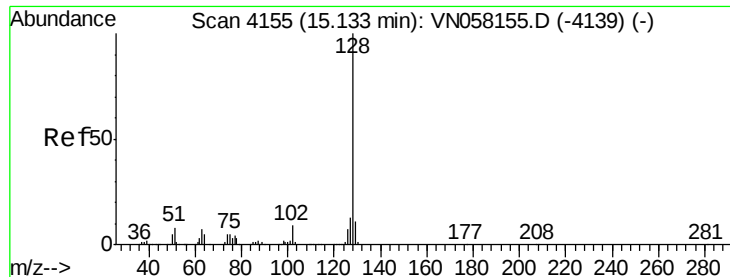
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#94
 Hexachlorobutadiene
 Concen: 142.210 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.6	97.7
227	63.1	33.0	99.0





#95

Naphthalene

Concen: 115.126 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3405691

Ion Ratio Lower Upper

128 100

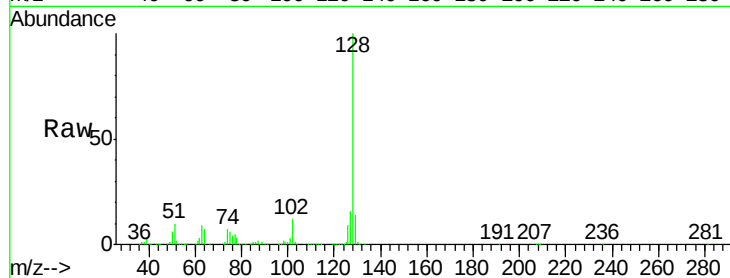
127 14.7 10.2 15.2

129 12.5 8.6 12.8

Manual Integrations
APPROVED

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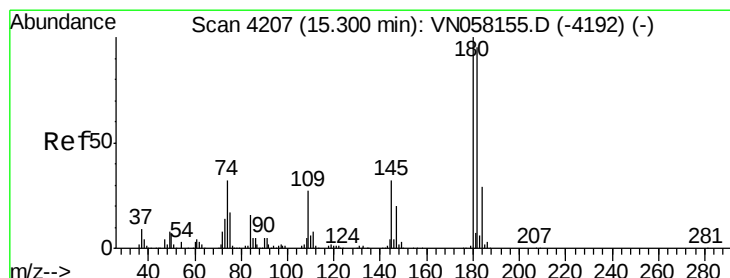
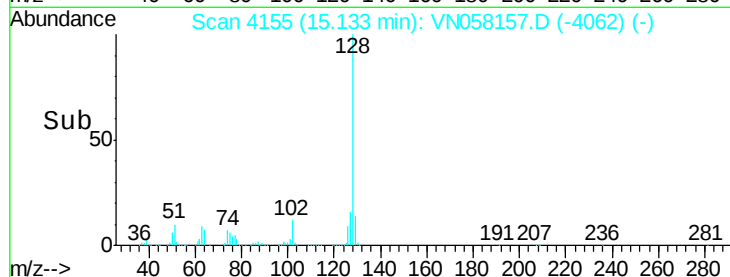
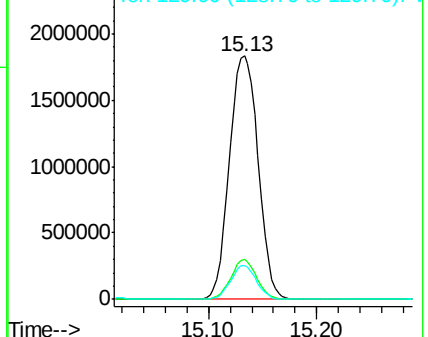
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 131.462 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

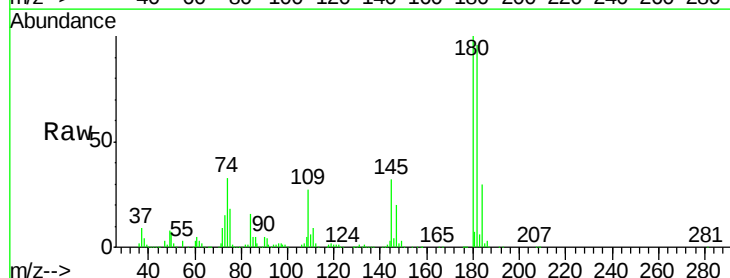
Tgt Ion:180 Resp: 1327672

Ion Ratio Lower Upper

180 100

182 94.8 47.4 142.2

145 31.9 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

