

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058371.D
 Acq On : 26 Sep 2019 9:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:18:56 AM

Quant Time: Sep 27 03:36:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	468999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	796605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	714492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	313694	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.04%	
35) Dibromofluoromethane	7.57	113	231500	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
50) Toluene-d8	10.08	98	859522	45.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.10%	
62) 4-Bromofluorobenzene	12.40	95	325848	46.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	154829	40.187	ug/l	100
3) Chloromethane	2.04	50	130744	43.900	ug/l	99
4) Vinyl Chloride	2.17	62	146840	45.129	ug/l	99
5) Bromomethane	2.54	94	81261	47.310	ug/l	99
6) Chloroethane	2.69	64	100342	48.173	ug/l	96
7) Trichlorofluoromethane	3.00	101	228704	43.490	ug/l	99
8) Diethyl Ether	3.39	74	109418	45.410	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	174217	45.949	ug/l	100
10) Methyl Iodide	3.93	142	146295	46.047	ug/l	98
11) Tert butyl alcohol	4.75	59	197788	254.545	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	136203	47.317	ug/l	97
13) Acrolein	3.59	56	15609	135.551	ug/l	91
14) Allyl chloride	4.30	41	290263m	46.785	ug/l	
15) Acrylonitrile	4.96	53	540647	261.155	ug/l	100
16) Acetone	3.79	43	646018	291.353	ug/l	98
17) Carbon Disulfide	4.03	76	169998	42.017	ug/l	100
18) Methyl Acetate	4.30	43	293617	50.325	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	724677	50.675	ug/l	97
20) Methylene Chloride	4.53	84	190680	49.115	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	147865	47.137	ug/l	96
22) Diisopropyl ether	5.93	45	790413	50.154	ug/l	98
23) Vinyl Acetate	5.87	43	2892700	268.245	ug/l	99
24) 1,1-Dichloroethane	5.83	63	405909	48.257	ug/l	99
25) 2-Butanone	6.81	43	831821	275.364	ug/l	99
26) 2,2-Dichloropropane	6.81	77	352730	49.430	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	225400	47.392	ug/l	98
28) Bromochloromethane	7.18	49	205348	51.607	ug/l	99
29) Tetrahydrofuran	7.19	42	457509	245.875	ug/l	99
30) Chloroform	7.36	83	439263	48.516	ug/l	99
31) Cyclohexane	7.64	56	253991	46.548	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	346077	50.210	ug/l	99
36) 1,1-Dichloropropene	7.78	75	248359	43.233	ug/l	99
37) Ethyl Acetate	6.90	43	302193	50.689	ug/l	98
38) Carbon Tetrachloride	7.76	117	273099	47.292	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	250691	45.141	ug/l	98
40) Benzene	8.03	78	807073	45.997	ug/l	100
41) Methacrylonitrile	7.15	41	141160	47.055	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	349650	47.490	ug/l	100
43) Isopropyl Acetate	8.15	43	537737	48.296	ug/l	100
44) Trichloroethene	8.82	130	197284	45.946	ug/l	98
45) 1,2-Dichloropropane	9.11	63	257286	49.100	ug/l	100
46) Dibromomethane	9.20	93	153966	48.328	ug/l	98
47) Bromodichloromethane	9.39	83	348707	52.247	ug/l	98
48) Methyl methacrylate	9.19	41	256584	50.755	ug/l	99
49) 1,4-Dioxane	9.19	88	87694	1056.553	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1671241	282.591	ug/l	99
52) Toluene	10.15	92	503565	45.793	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	362319	52.996	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	388521	51.472	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	245493	50.306	ug/l	99
56) Ethyl methacrylate	10.43	69	365567	51.920	ug/l	99
57) 1,3-Dichloropropane	10.71	76	413619	49.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	869336	259.210	ug/l	100
59) 2-Hexanone	10.75	43	1256216	286.007	ug/l	98
60) Dibromochloromethane	10.90	129	254421	54.192	ug/l	100
61) 1,2-Dibromoethane	11.00	107	223038	49.318	ug/l	99
64) Tetrachloroethene	10.63	164	151422	43.475	ug/l	99
65) Chlorobenzene	11.43	112	593381	47.216	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	243746	53.489	ug/l	99
67) Ethyl Benzene	11.51	91	1070271	49.701	ug/l	100
68) m/p-Xylenes	11.62	106	775115	95.570	ug/l	97
69) o-Xylene	11.95	106	390790	49.003	ug/l	99
70) Styrene	11.97	104	699361	50.897	ug/l	100
71) Bromoform	12.13	173	163920	48.625	ug/l #	99
73) Isopropylbenzene	12.25	105	1131037	51.781	ug/l	100
74) N-amyl acetate	12.07	43	496998	54.390	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	382042	52.230	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	322061m	51.568	ug/l	
77) Bromobenzene	12.53	156	262682	47.809	ug/l	98
78) n-propylbenzene	12.60	91	1318703	53.128	ug/l	100
79) 2-Chlorotoluene	12.68	91	785854	50.660	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	971201	52.581	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105268	50.147	ug/l	98
82) 4-Chlorotoluene	12.78	91	828225	50.792	ug/l	99
83) tert-Butylbenzene	13.00	119	852814	51.774	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	975952	53.095	ug/l	100
85) sec-Butylbenzene	13.18	105	1179928	54.779	ug/l	100
86) p-Isopropyltoluene	13.30	119	1051413	54.907	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	504864	50.308	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	501291	48.929	ug/l	99
89) n-Butylbenzene	13.62	91	974693	53.688	ug/l	99
90) Hexachloroethane	13.88	117	173781	51.654	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	508863	50.549	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72579	55.115	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	325971	50.681	ug/l	99
94) Hexachlorobutadiene	15.02	225	159817	51.409	ug/l	96
95) Naphthalene	15.13	128	909414	54.559	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	312740	51.444	ug/l	99

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

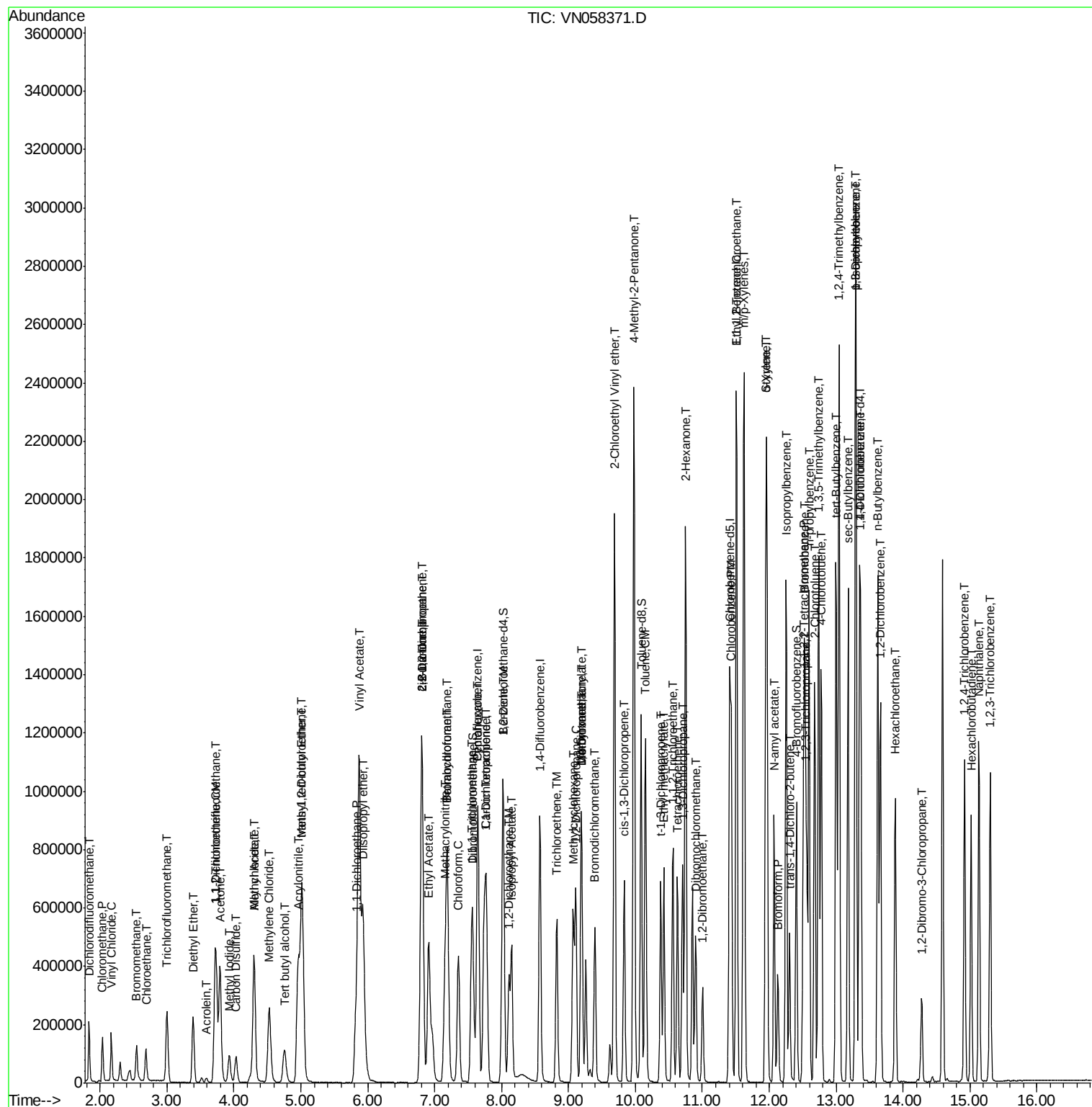
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
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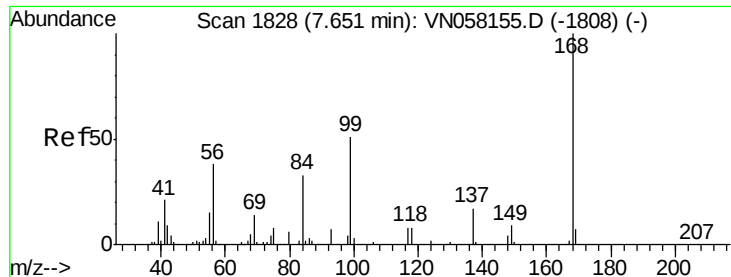
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 468999

Ion Ratio Lower Upper

168 100

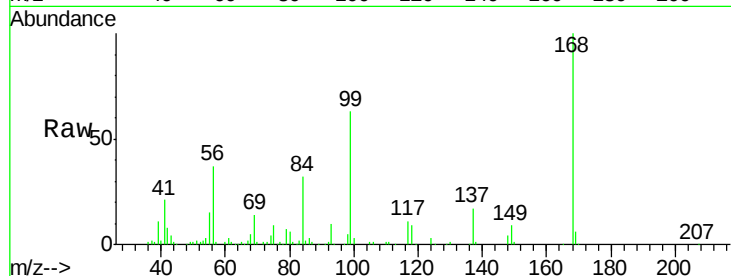
99 62.4 47.4 71.2

Manual Integrations

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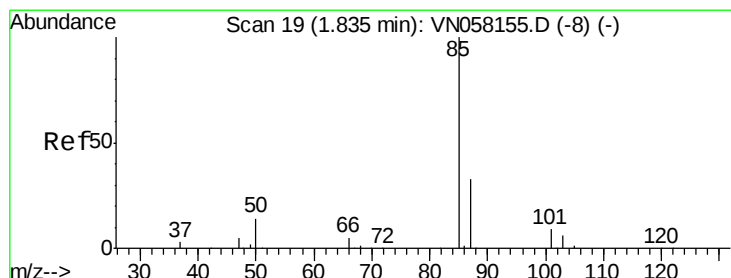
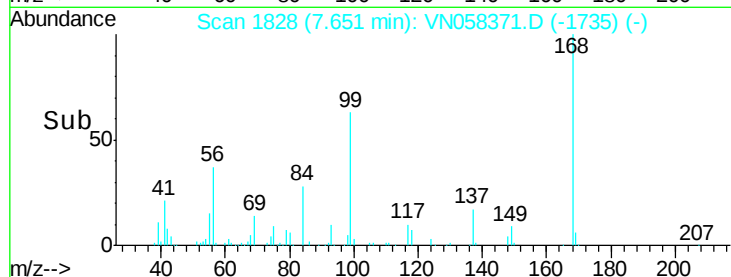
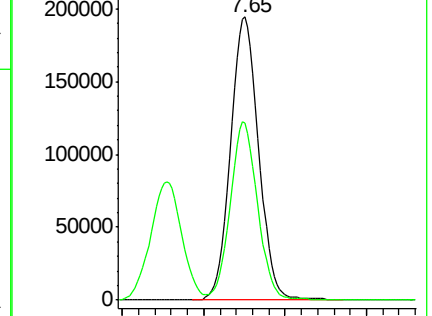
MMDadoda

9/27/2019 11:18:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 40.187 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058371.D

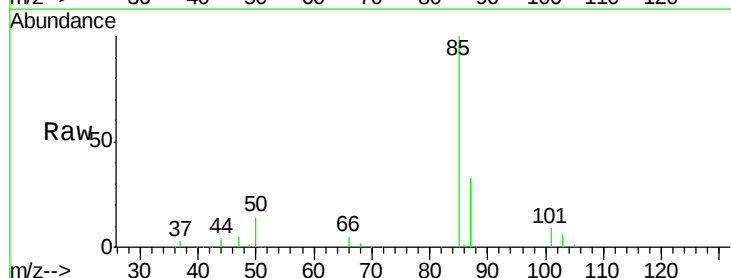
Acq: 26 Sep 2019 9:28

Tgt Ion: 85 Resp: 154829

Ion Ratio Lower Upper

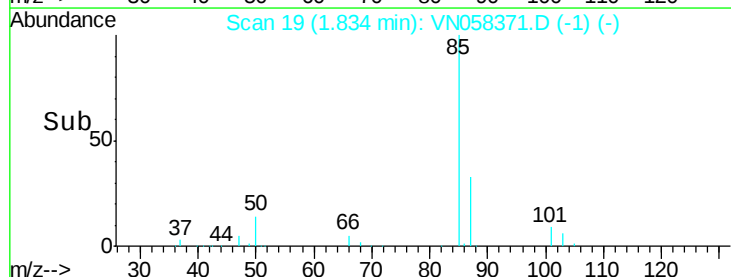
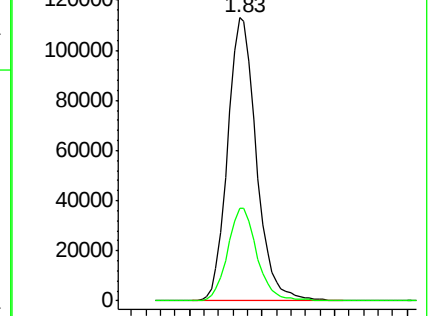
85 100

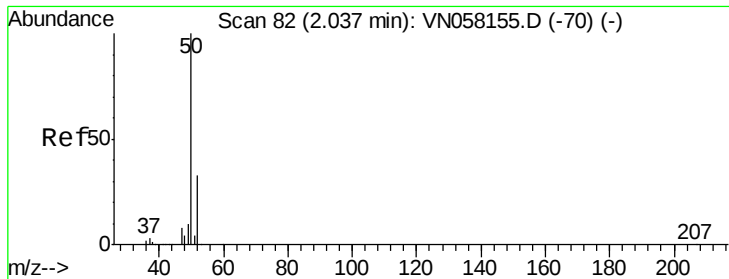
87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.900 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 130744

Ion Ratio Lower Upper

50 100

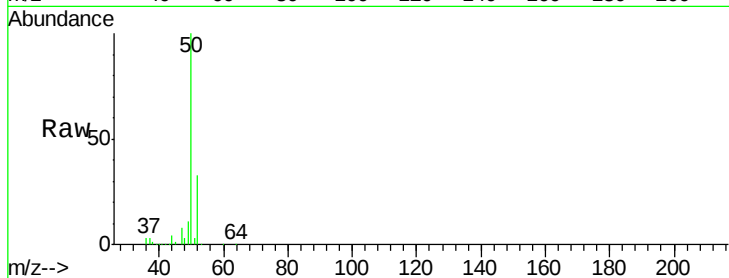
52 33.3 26.3 39.5

Manual Integrations

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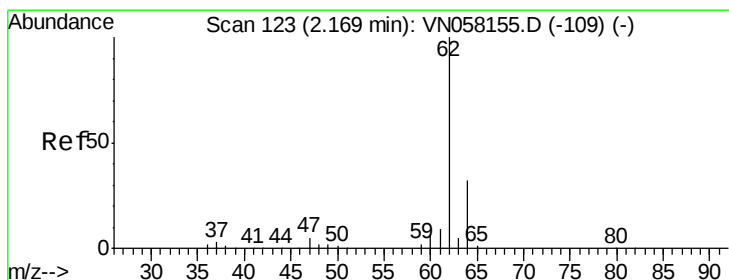
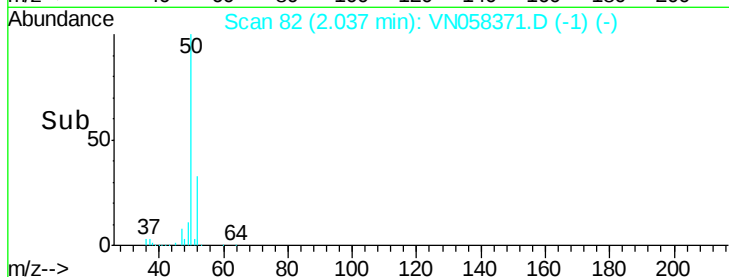
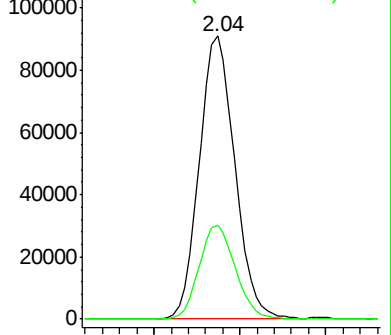
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.129 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058371.D

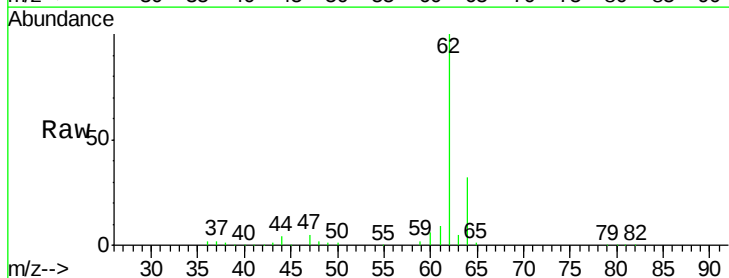
Acq: 26 Sep 2019 9:28

Tgt Ion: 62 Resp: 146840

Ion Ratio Lower Upper

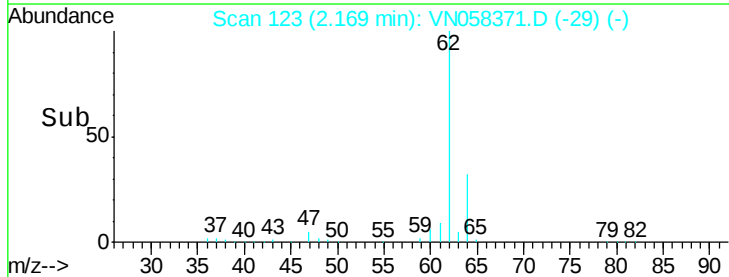
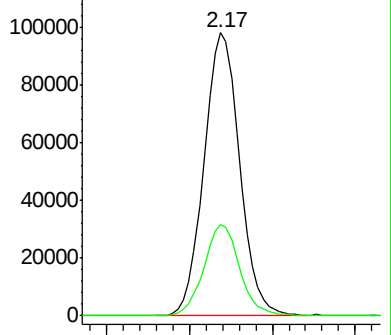
62 100

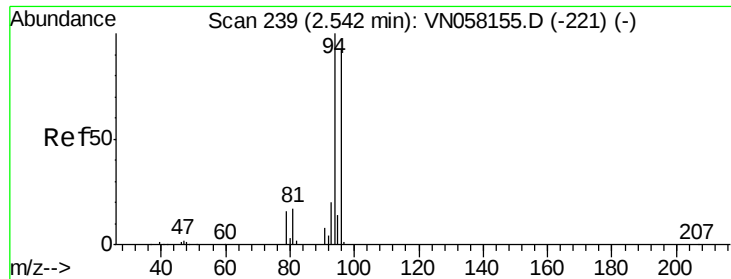
64 32.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.310 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

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Tot Ion: 94 Resp: 81261

Ion Ratio Lower Upper

94 100

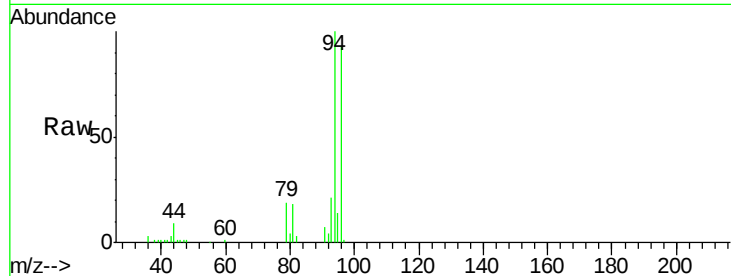
96 92.7 73.3 109.9

Manual Integrations

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9/27/2019 11:18:56 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

40000

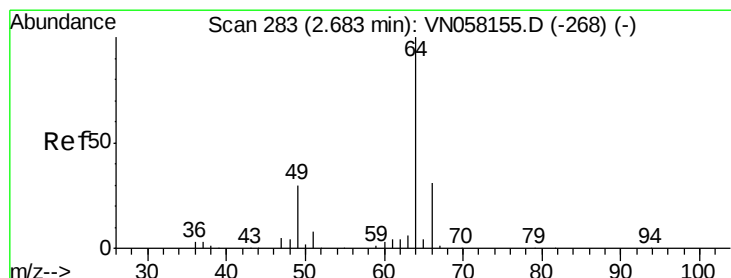
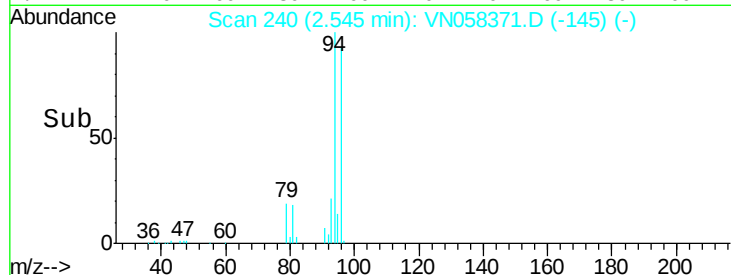
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20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.173 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058371.D

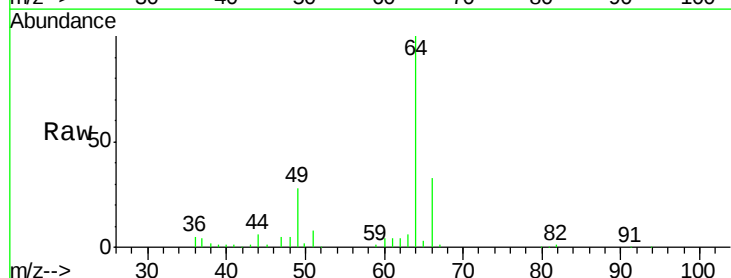
Acq: 26 Sep 2019 9:28

Tgt Ion: 64 Resp: 100342

Ion Ratio Lower Upper

64 100

66 32.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

60000

50000

40000

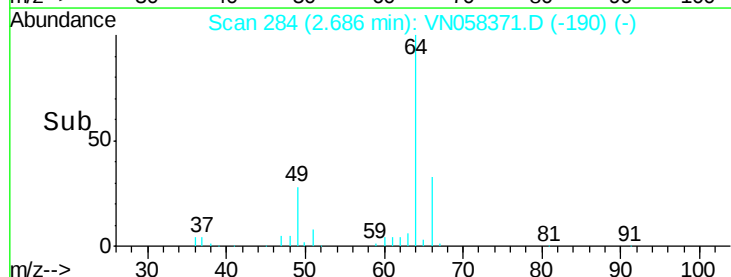
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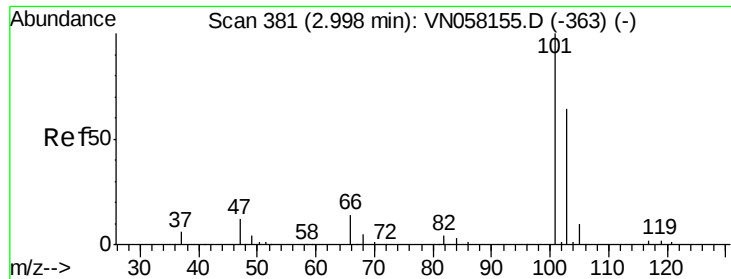
20000

10000

0

Time-->





#7

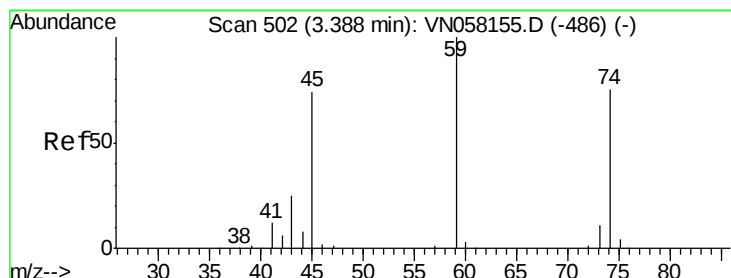
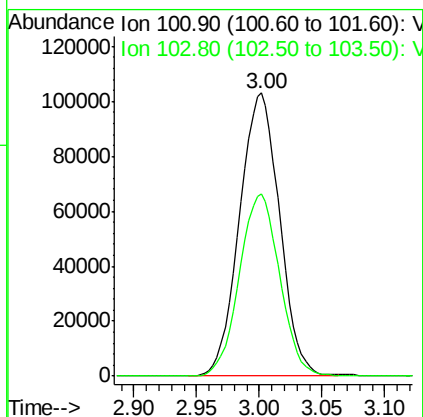
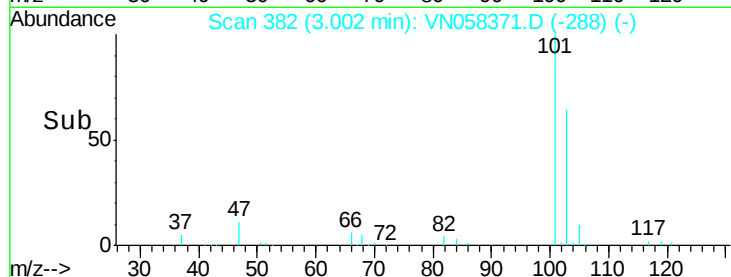
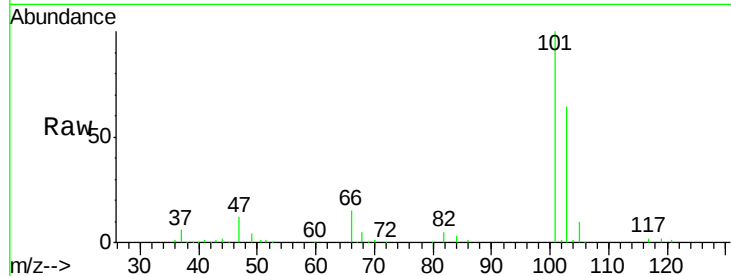
Trichlorofluoromethane
 Concen: 43.490 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 228704
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.0 76.6

Manual Integrations
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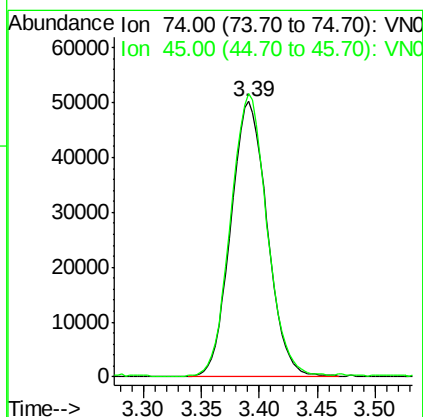
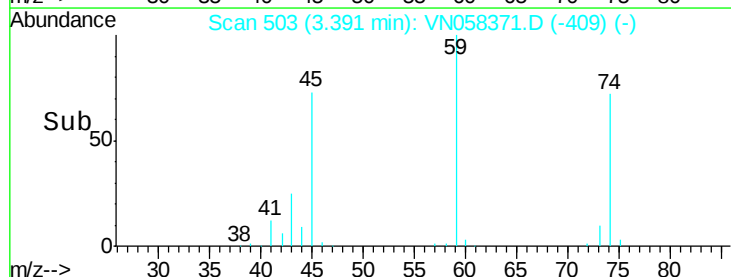
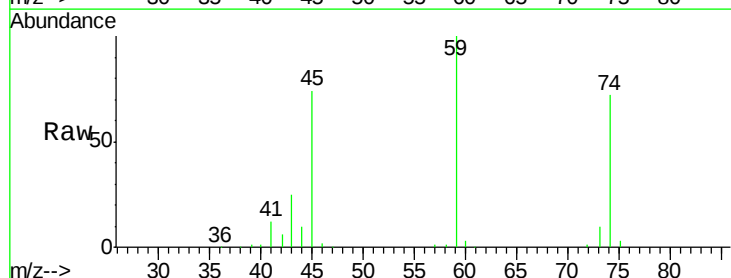
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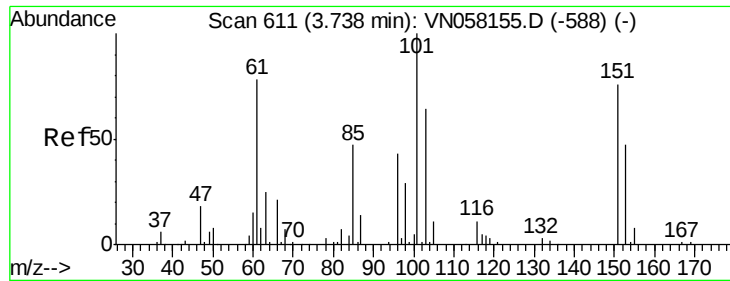


#8

Diethyl Ether
 Concen: 45.410 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion: 74 Resp: 109418
 Ion Ratio Lower Upper
 74 100
 45 103.2 48.5 145.5





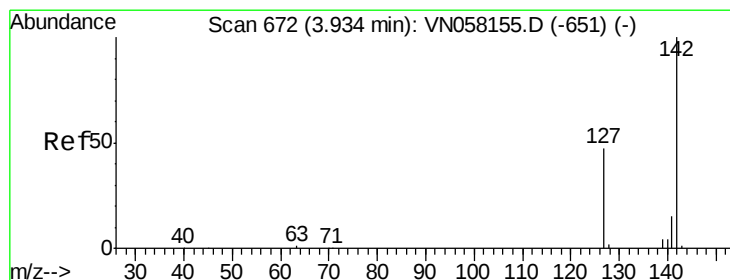
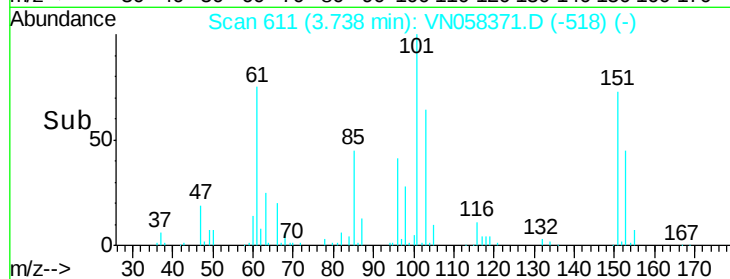
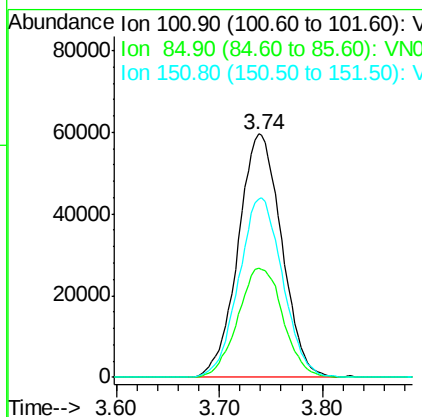
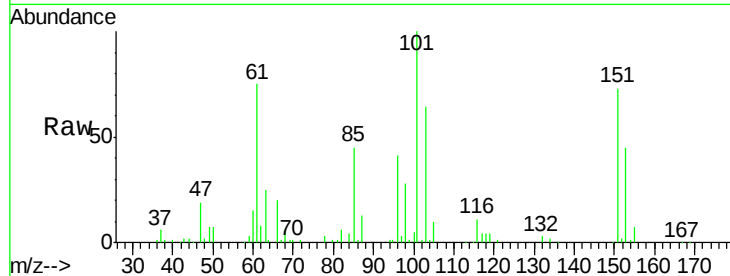
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.949 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.5	37.3	55.9
151	74.4	59.6	89.4

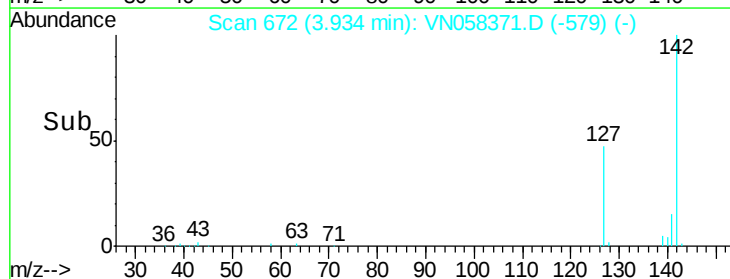
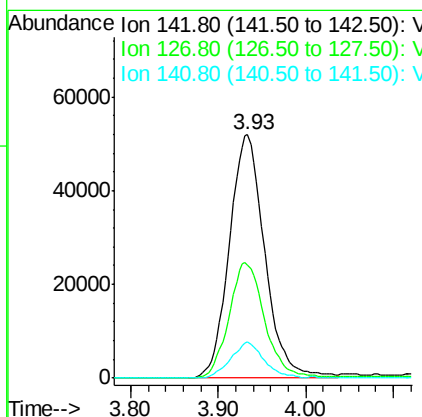
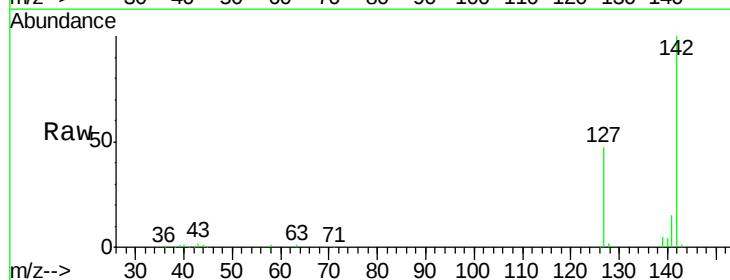
Manual Integrations
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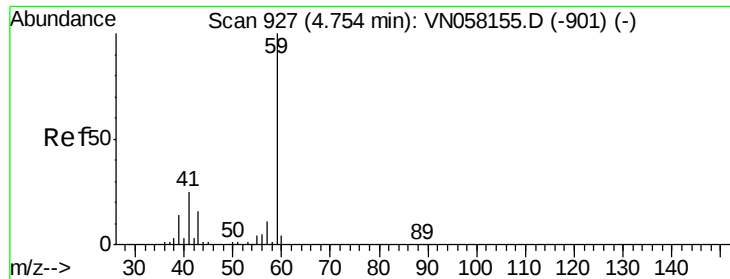
MMDadoda
 9/27/2019 11:18:56 AM



#10
 Methyl Iodide
 Concen: 46.047 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.0	37.5	56.3
141	13.9	11.4	17.2





#11

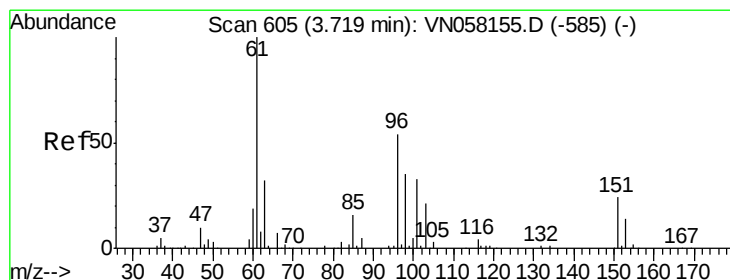
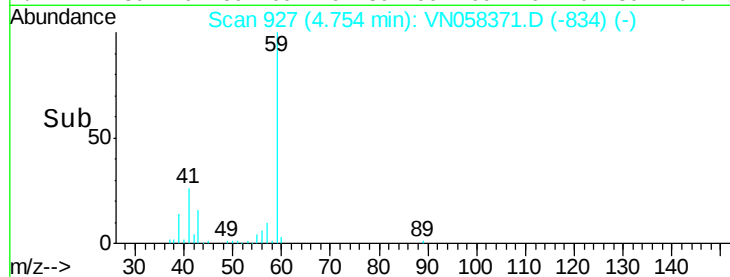
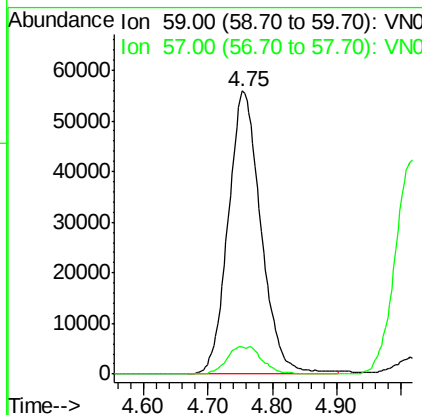
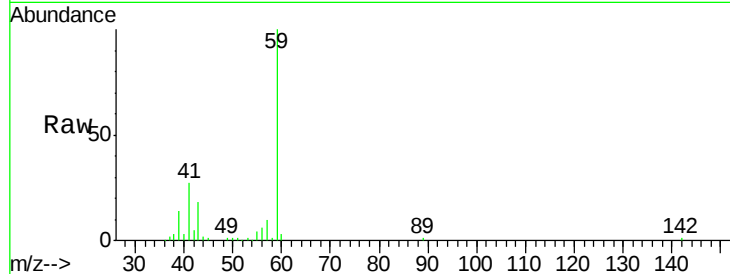
Tert butyl alcohol
Concen: 254.545 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.6	13.0#

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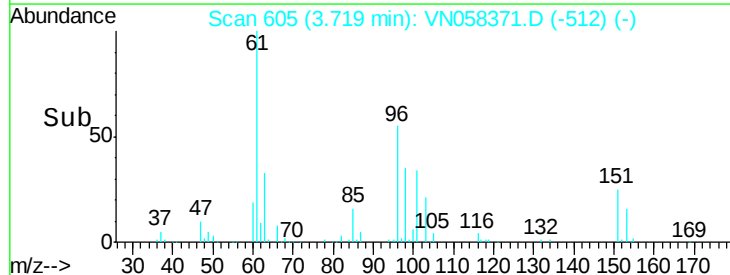
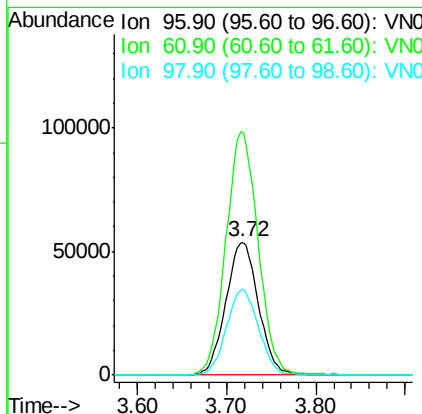
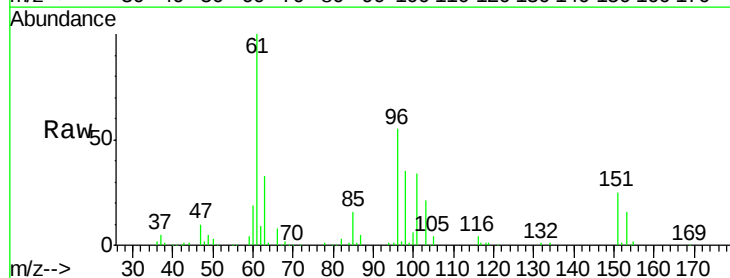
MMDadoda
9/27/2019 11:18:56 AM



#12

1,1-Dichloroethene
Concen: 47.317 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.5	149.5	224.3
98	64.5	52.4	78.6





#13

Acrolein

Concen: 135.551 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 15609

Ion Ratio Lower Upper

56 100

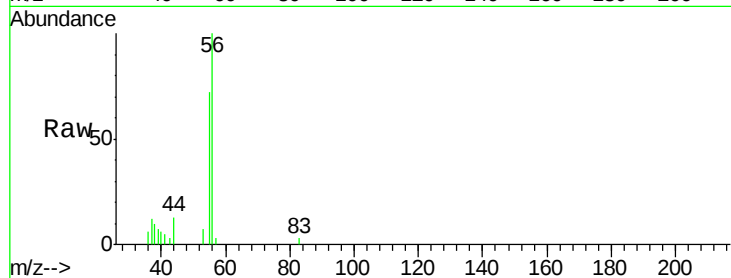
55 77.4 56.1 84.1

Manual Integrations

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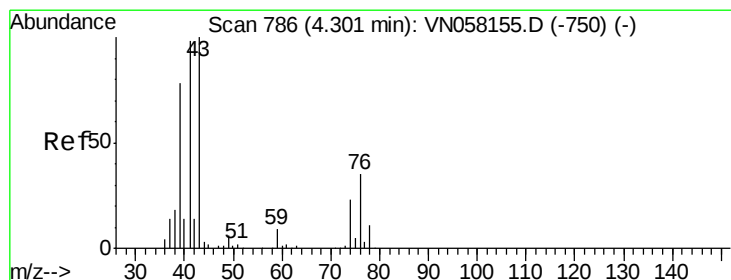
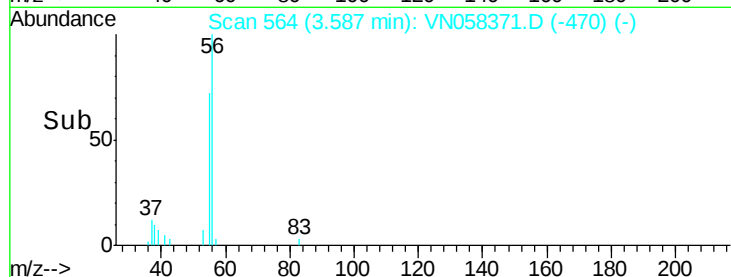
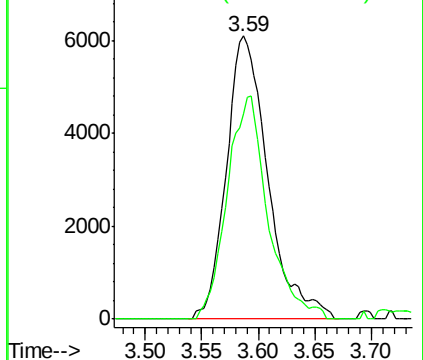
MMDadoda

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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: 46.785 ug/l m

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

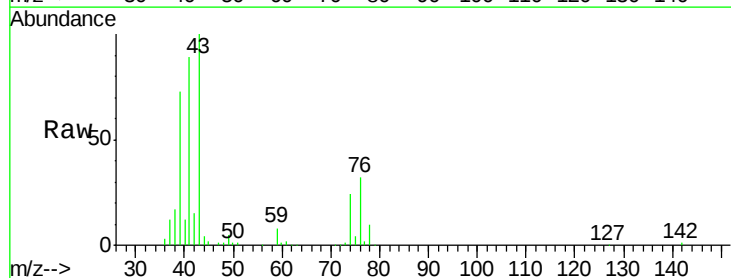
Tgt Ion: 41 Resp: 290263

Ion Ratio Lower Upper

41 100

39 75.4 59.1 88.7

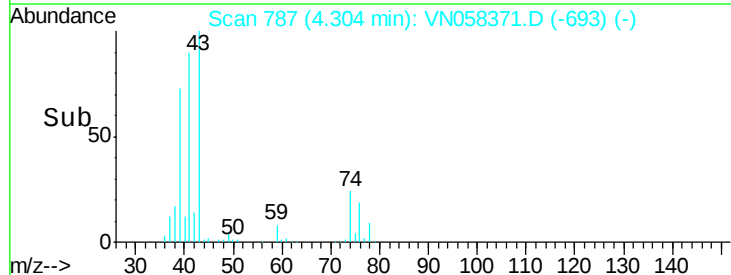
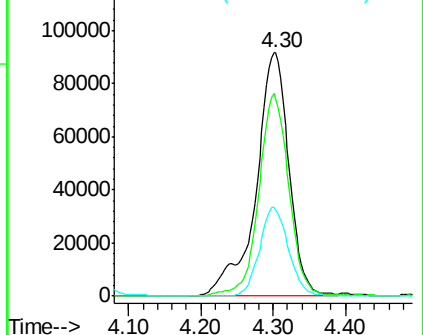
76 31.9 25.1 37.7

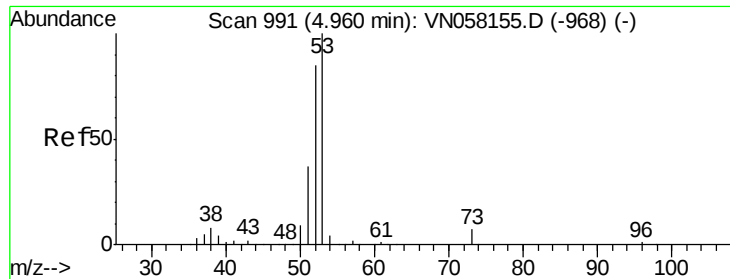


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 261.155 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

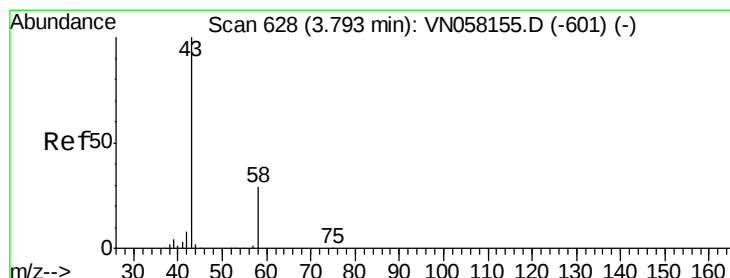
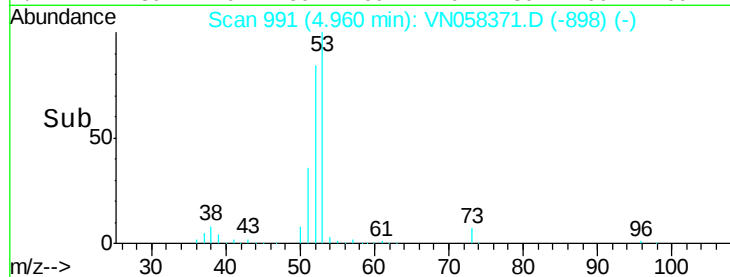
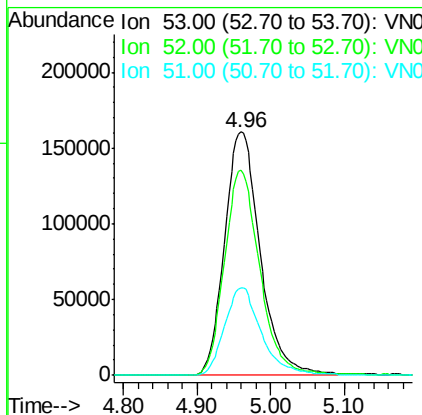
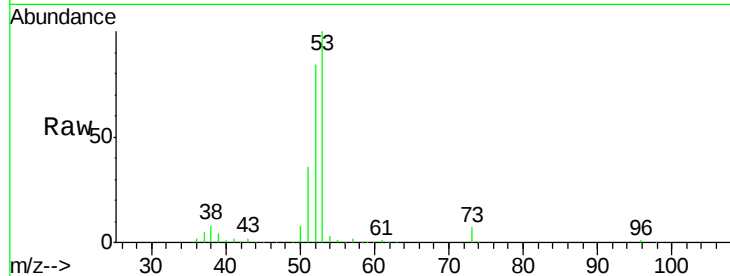
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	540647
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.6	100.0
51	37.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 291.353 ug/l

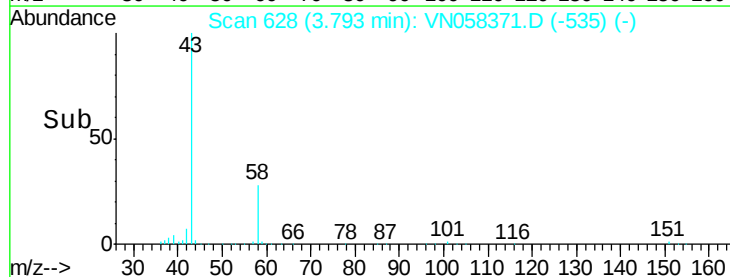
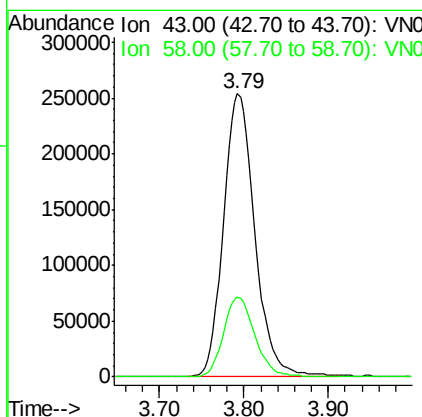
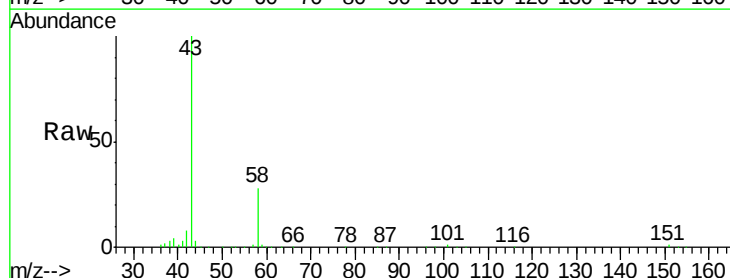
RT: 3.79 min Scan# 628

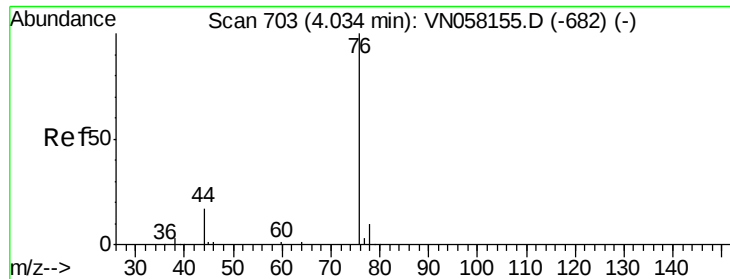
Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Tgt Ion:	43	Resp:	646018
Ion Ratio	Lower	Upper	
43	100		
58	28.2	23.4	35.2





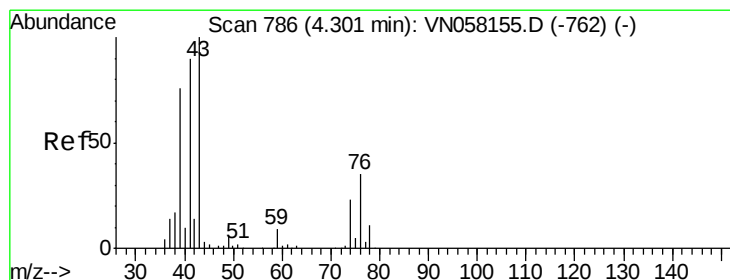
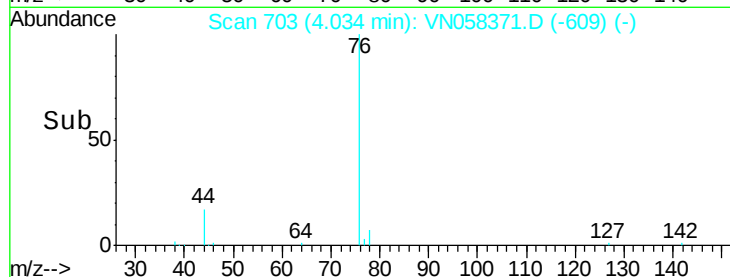
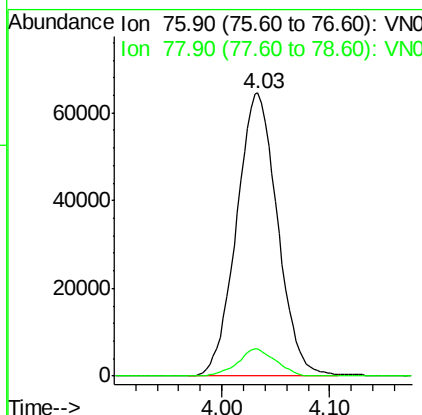
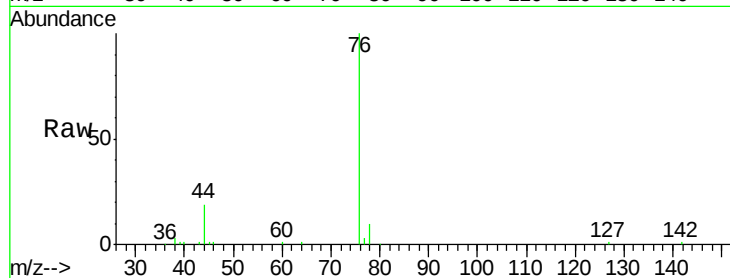
#17
Carbon Disulfide
Concen: 42.017 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.7	11.5

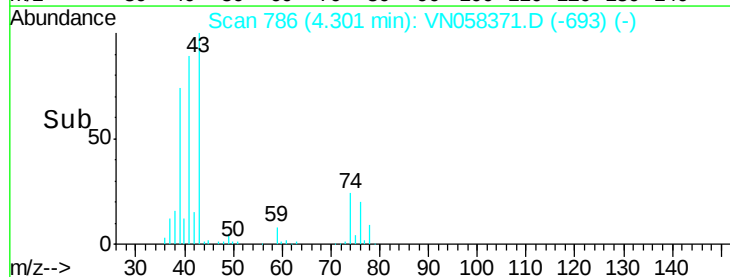
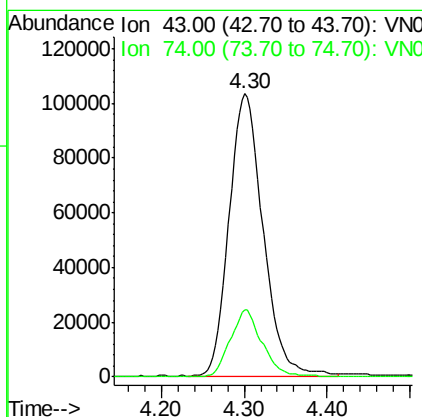
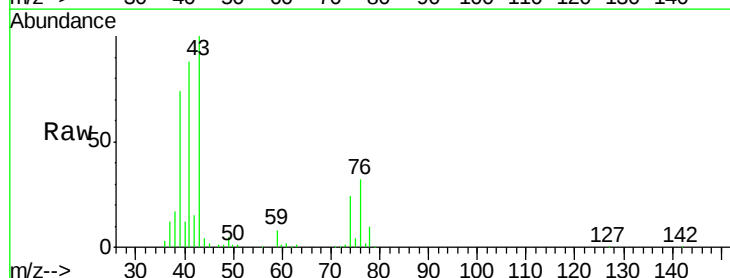
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#18
Methyl Acetate
Concen: 50.325 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.0	27.0





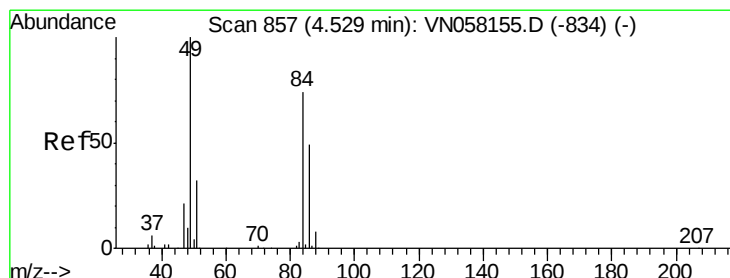
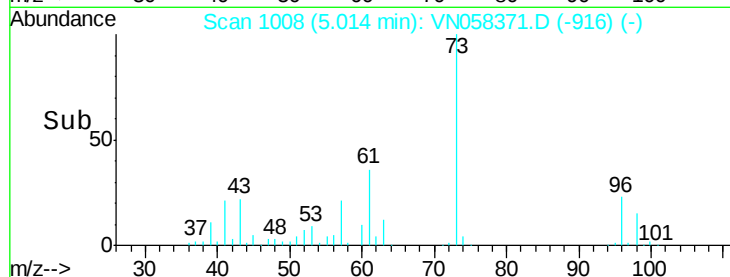
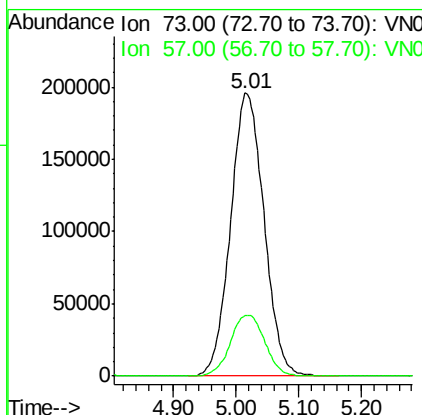
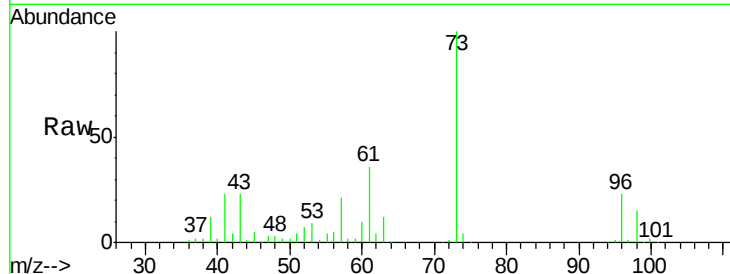
#19
Methvl tert-butvl Ether
Concen: 50.675 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 724677
Ion Ratio Lower Upper
73 100
57 21.4 18.1 27.1

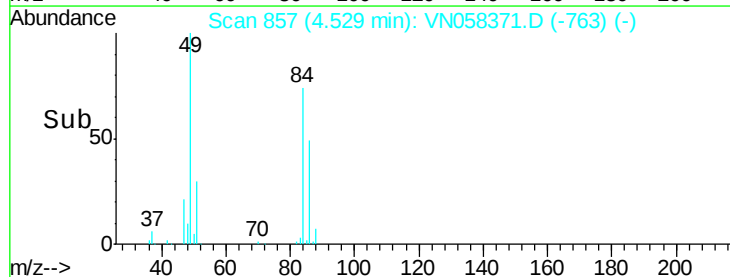
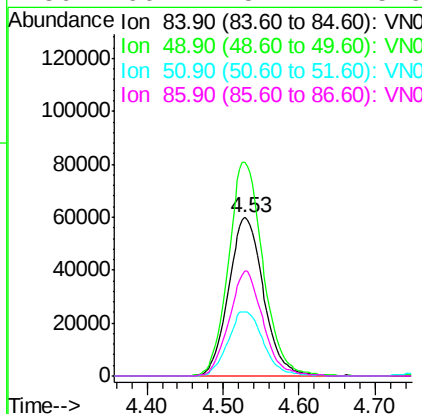
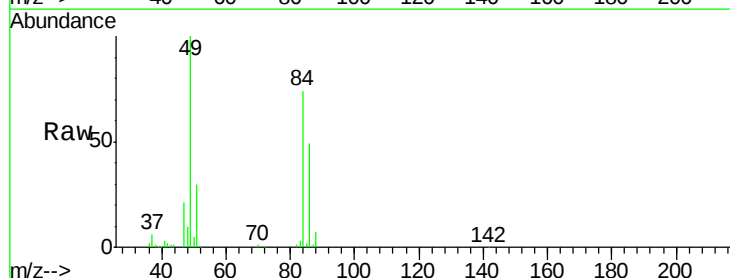
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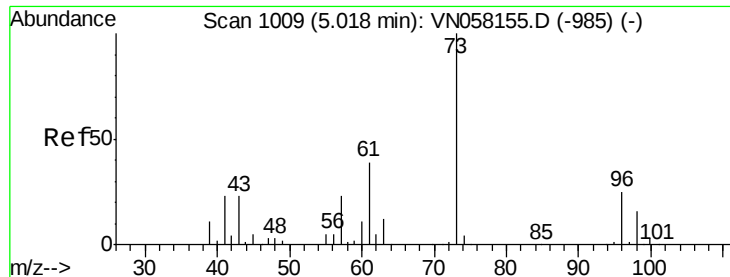
MMDadoda
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#20
Methylene Chloride
Concen: 49.115 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion: 84 Resp: 190680
Ion Ratio Lower Upper
84 100
49 134.9 107.5 161.3
51 40.8 33.9 50.9
86 66.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 47.137 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

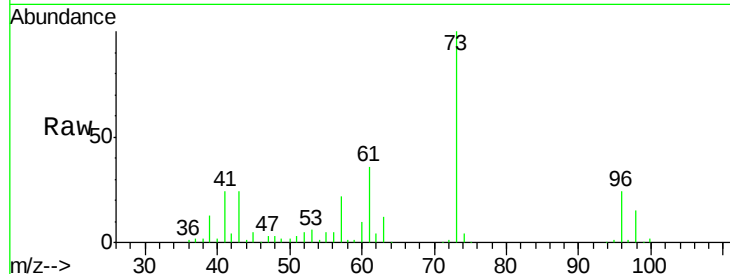
ClientSampleId :

VSTDCCC050

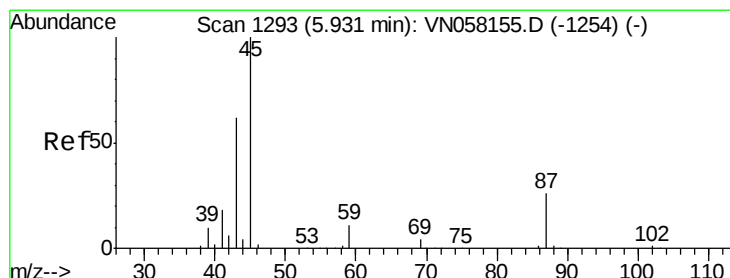
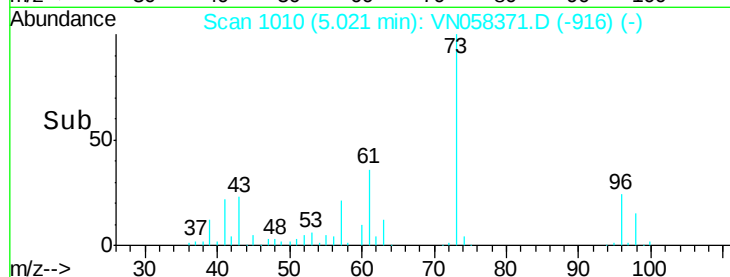
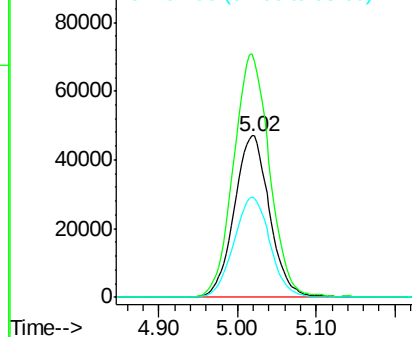
Tot Ion:	96	Resp:	147865
Ion	Ratio	Lower	Upper
96	100		
61	146.4	122.2	183.4
98	61.5	49.9	74.9

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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 50.154 ug/l

RT: 5.93 min Scan# 1292

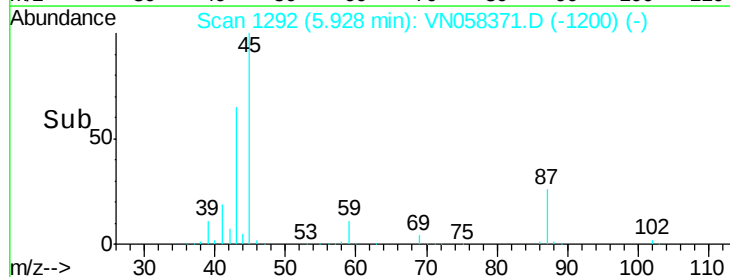
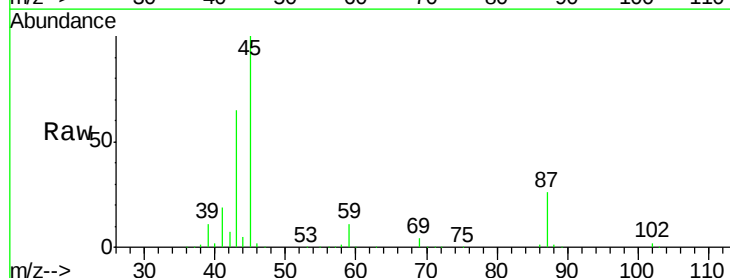
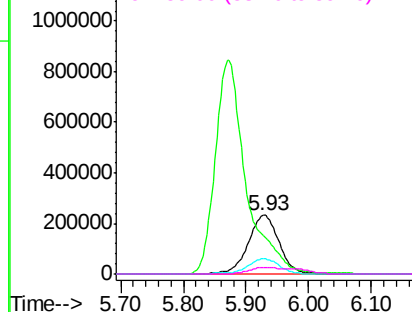
Delta R.T. -0.00 min

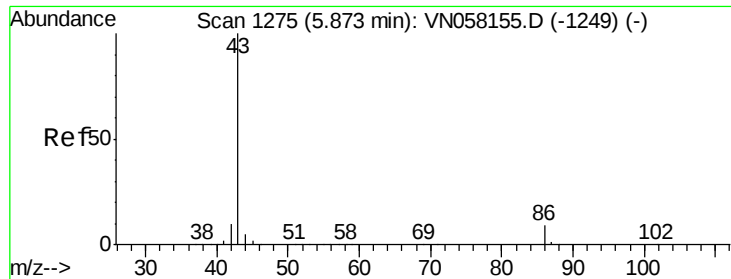
Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Tgt Ion:	45	Resp:	790413
Ion	Ratio	Lower	Upper
45	100		
43	64.3	49.7	74.5
87	25.7	20.7	31.1
59	11.2	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





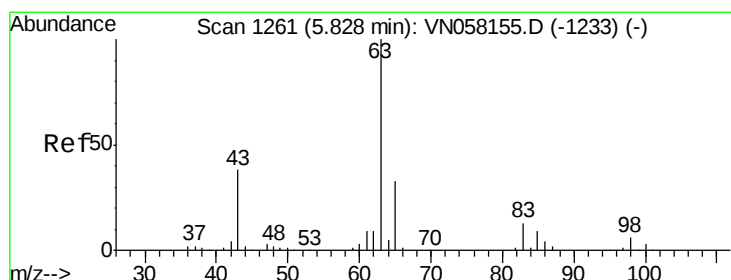
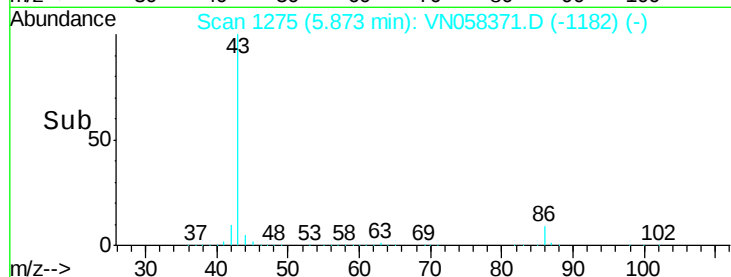
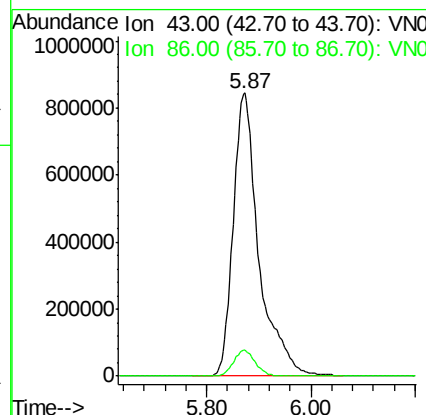
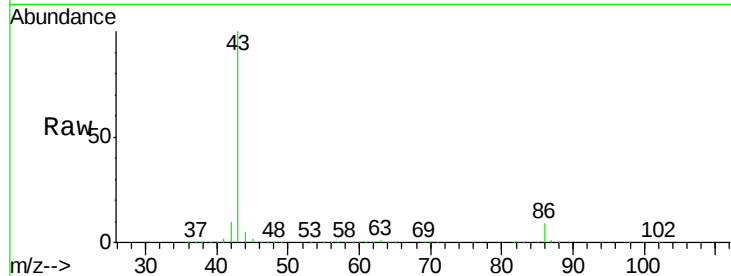
#23
 Vinyl Acetate
 Concen: 268.245 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2892700
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2

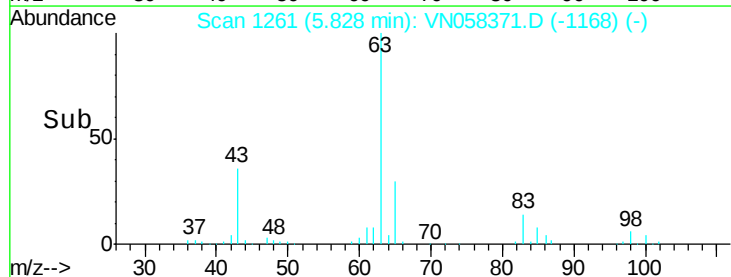
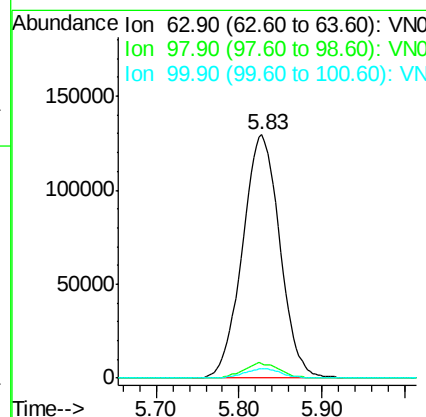
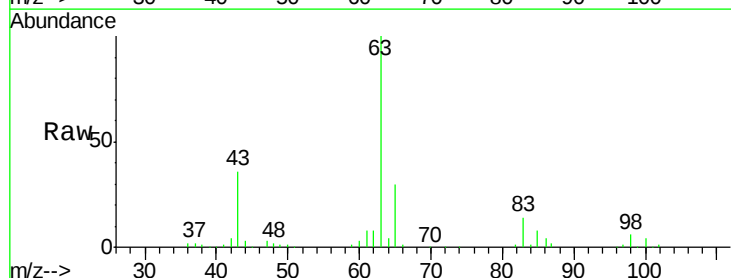
Manual Integrations
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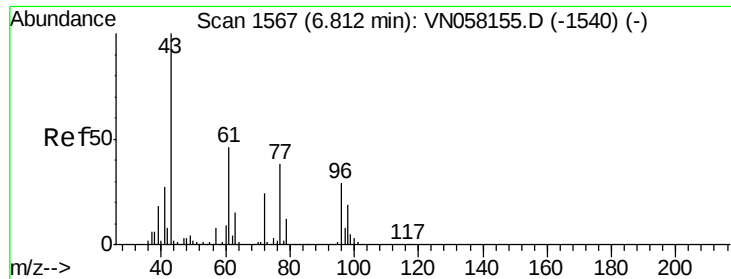
MMDadoda
 9/27/2019 11:18:56 AM



#24
 1,1-Dichloroethane
 Concen: 48.257 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion: 63 Resp: 405909
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 275.364 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 831821

Ion Ratio Lower Upper

43 100

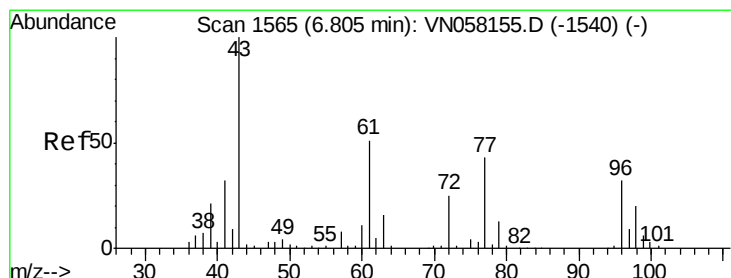
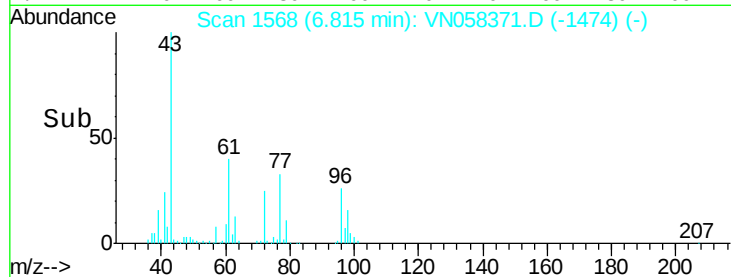
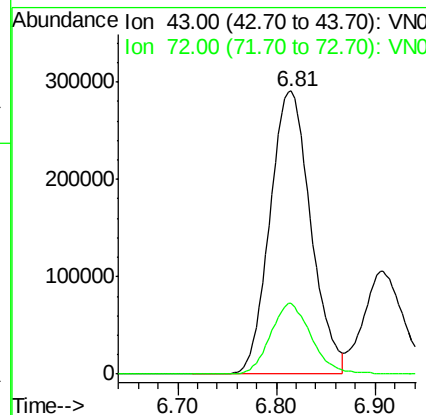
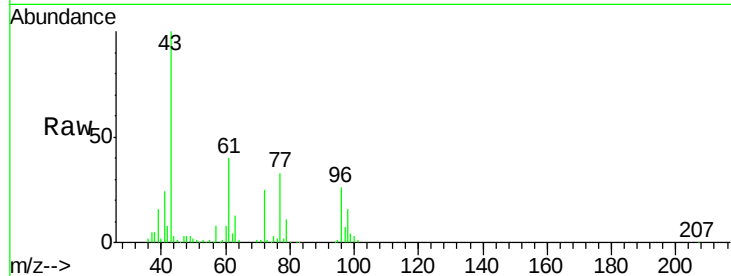
72 25.0 19.5 29.3

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#26

2,2-Dichloropropane

Concen: 49.430 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058371.D

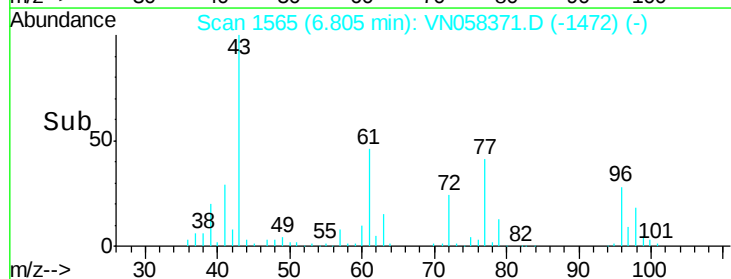
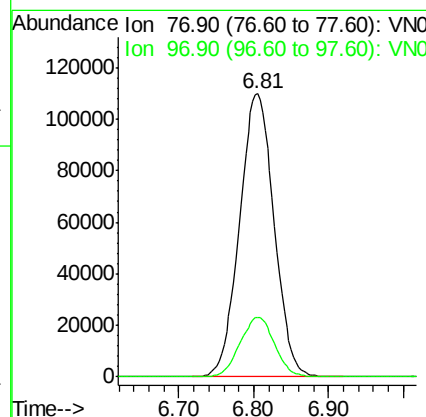
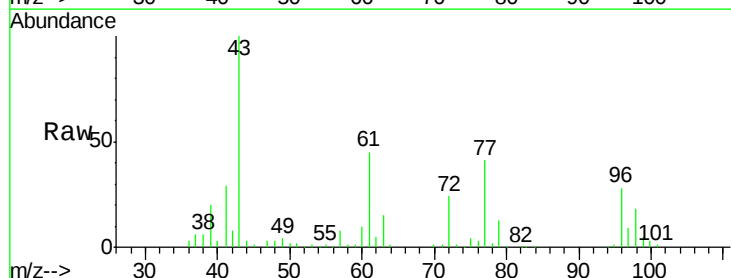
Acq: 26 Sep 2019 9:28

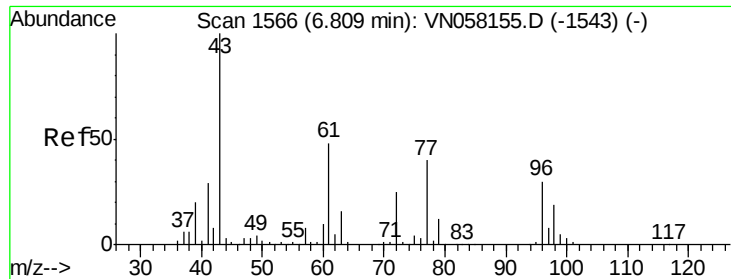
Tgt Ion: 77 Resp: 352730

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.392 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

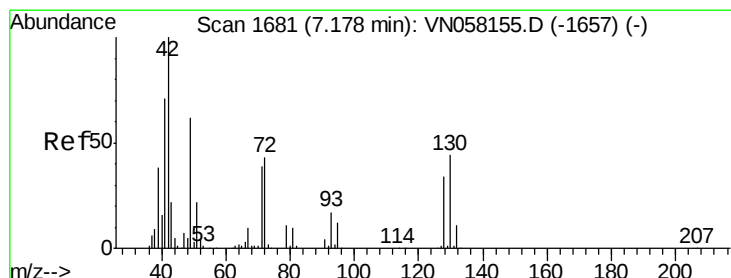
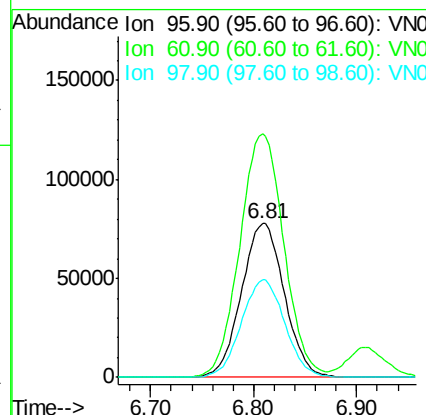
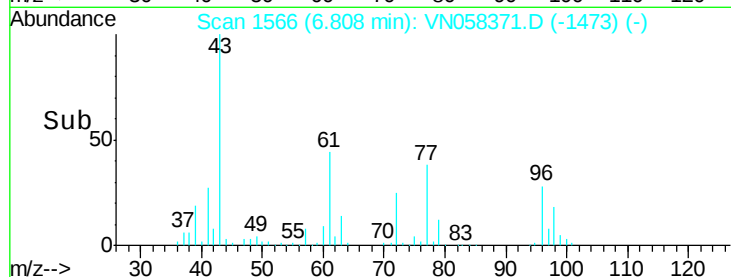
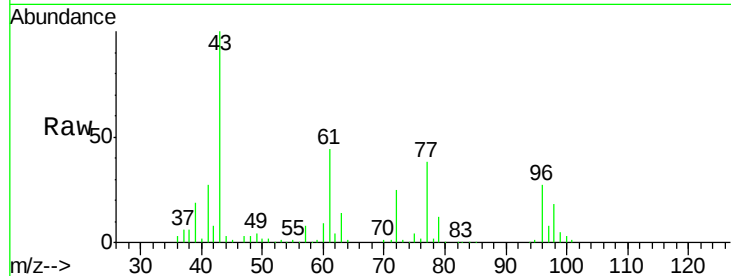
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	225400
Ion	Ratio	Lower	Upper
96	100		
61	162.1	0.0	319.0
98	64.4	0.0	126.6

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#28

Bromochloromethane

Concen: 51.607 ug/l

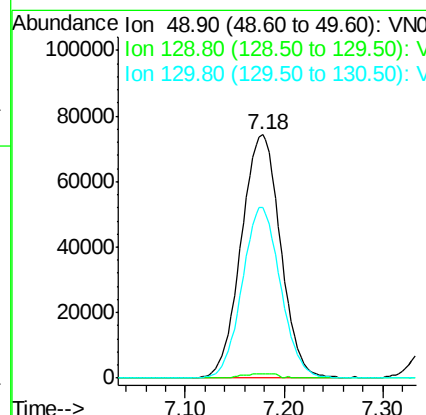
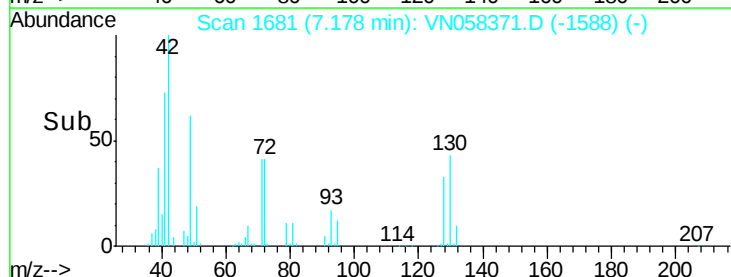
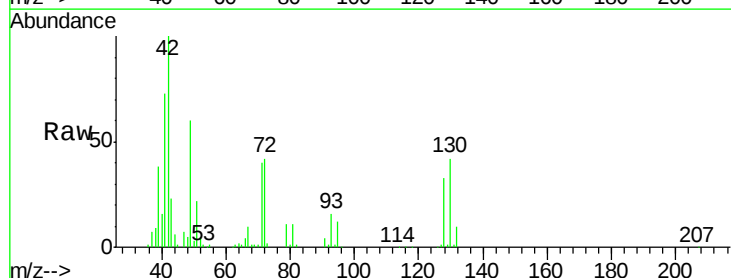
RT: 7.18 min Scan# 1681

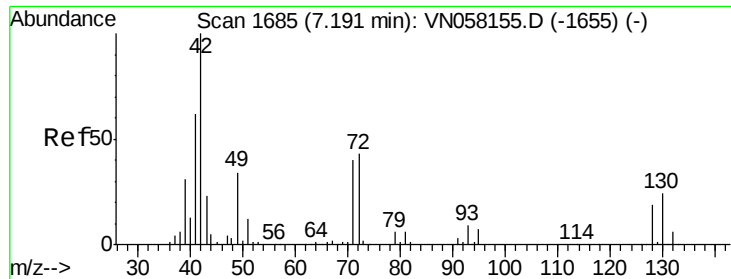
Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Tgt Ion:	49	Resp:	205348
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.8
130	68.4	55.4	83.2





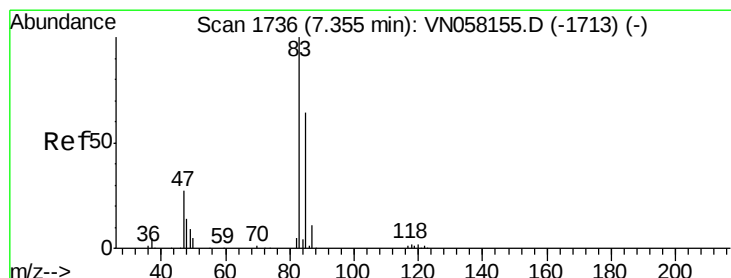
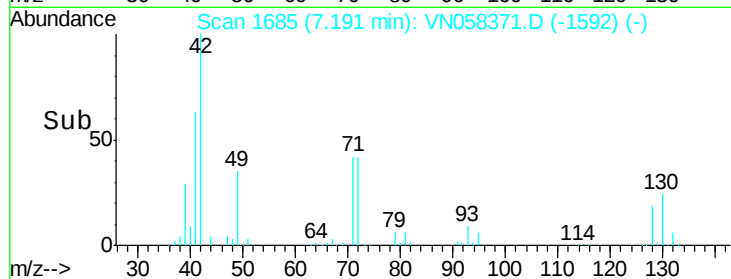
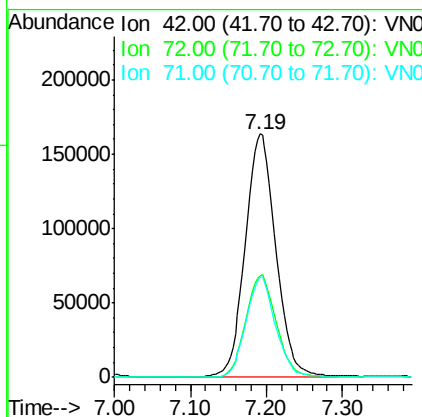
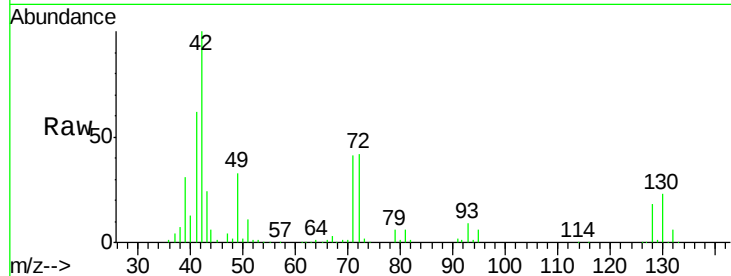
#29
Tetrahydrofuran
Concen: 245.875 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.8	50.6
71	40.0	31.4	47.0

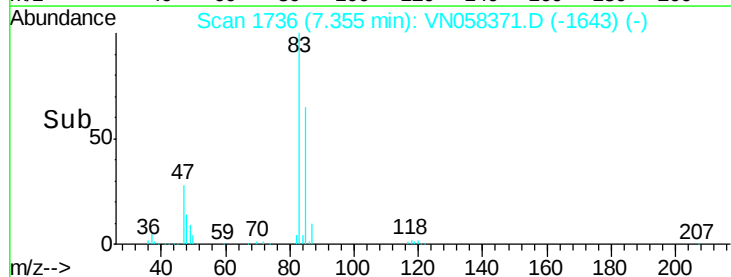
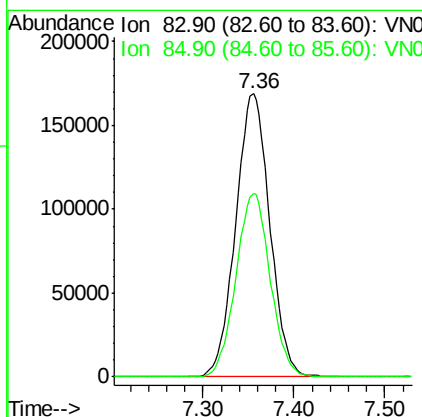
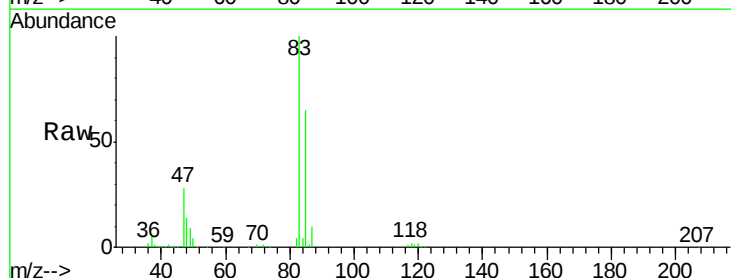
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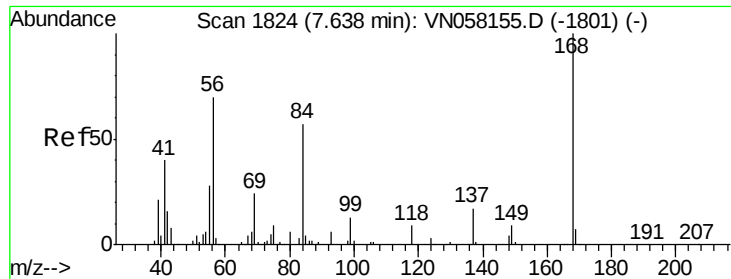
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#30
Chloroform
Concen: 48.516 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2





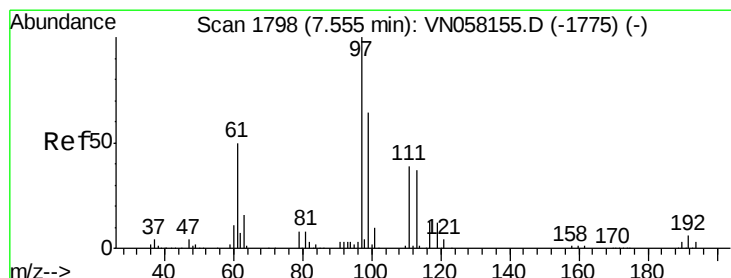
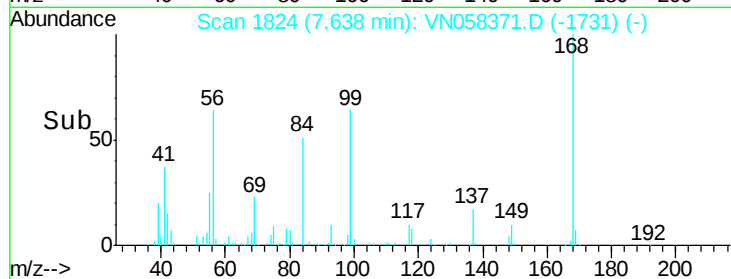
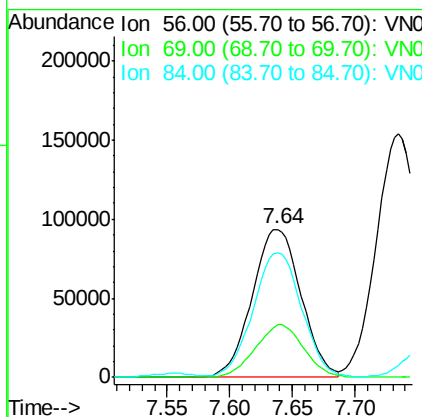
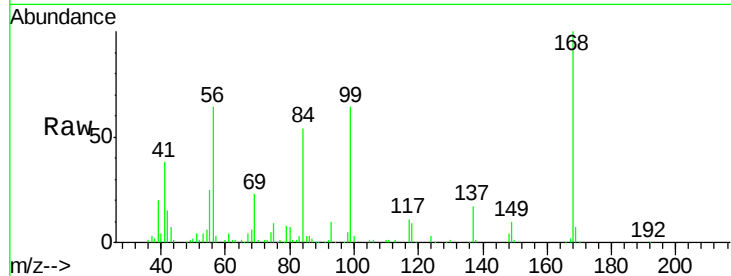
#31
Cyclohexane
Concen: 46.548 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	27.3	40.9
84	82.4	65.0	97.4

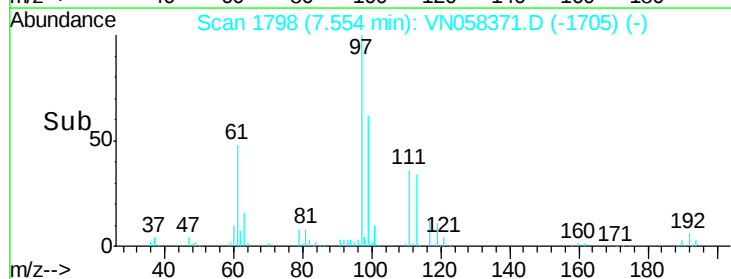
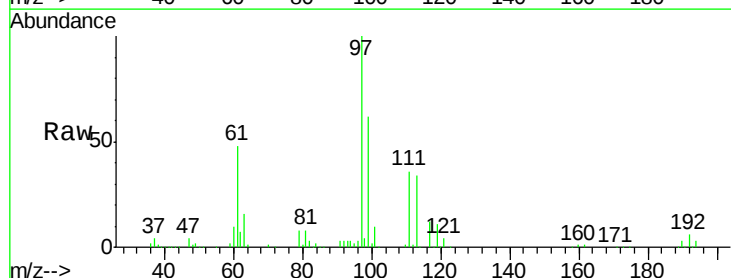
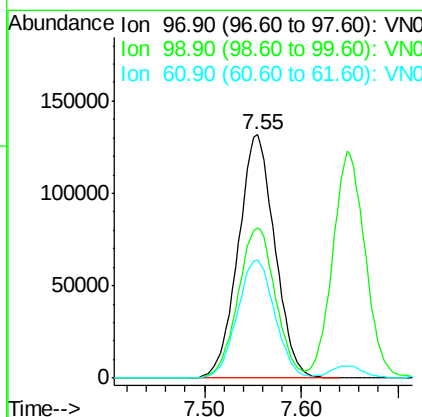
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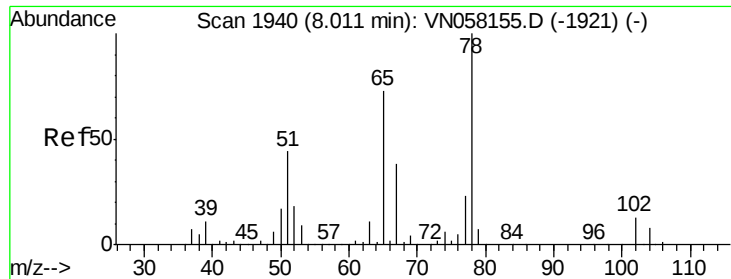
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#32
1,1,1-Trichloroethane
Concen: 50.210 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.9	76.3
61	49.5	39.2	58.8





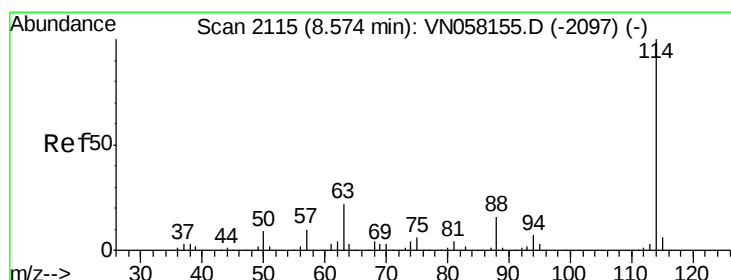
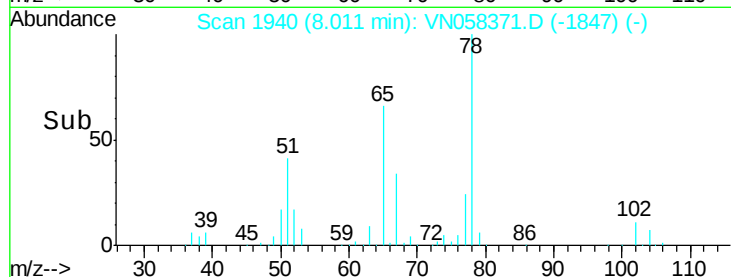
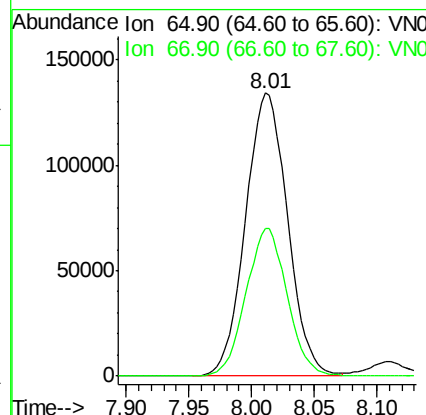
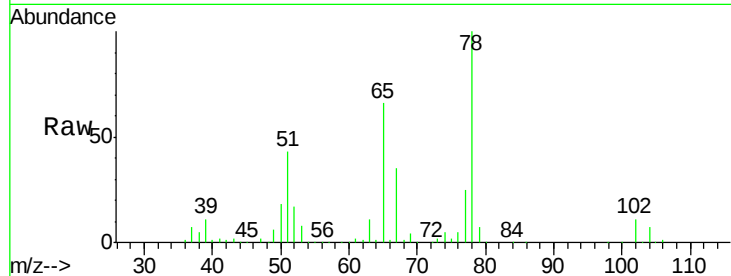
#33
 1,2-Dichloroethane-d4
 Concen: 48.023 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	313694		
67	51.2	0.0	103.4	

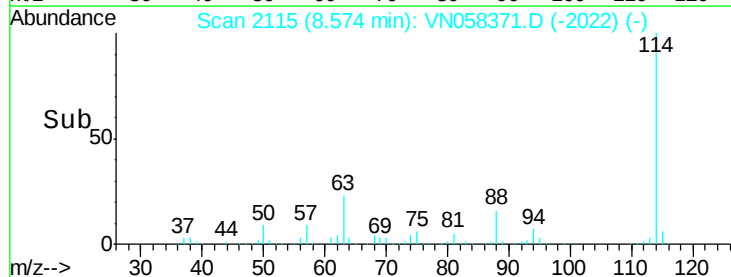
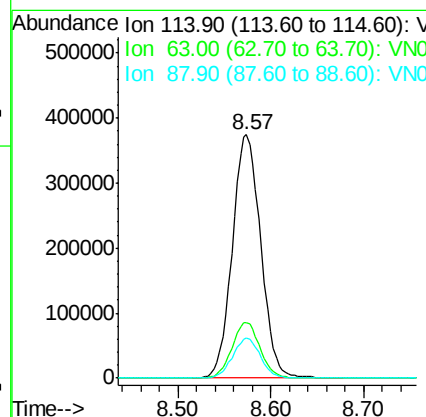
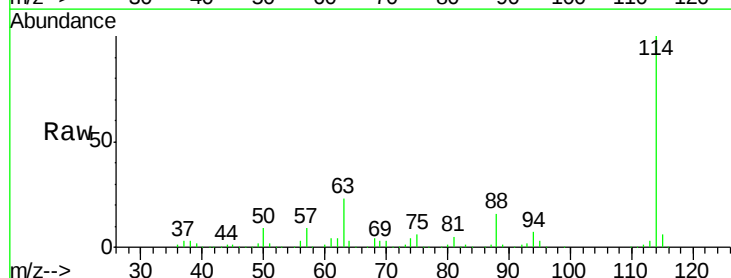
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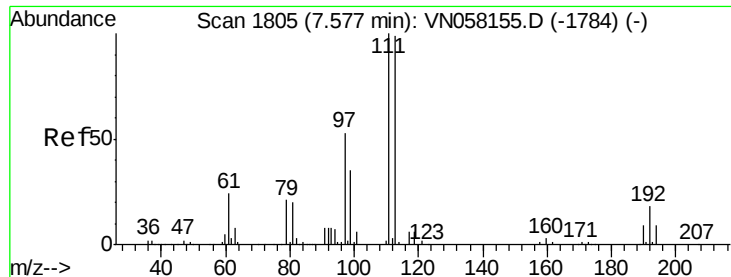
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	796605		
63	22.9	0.0	44.2	
88	16.3	0.0	31.6	





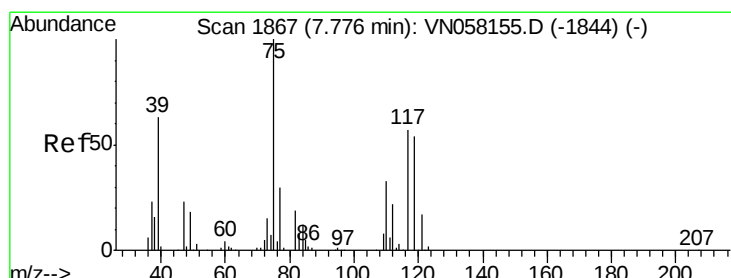
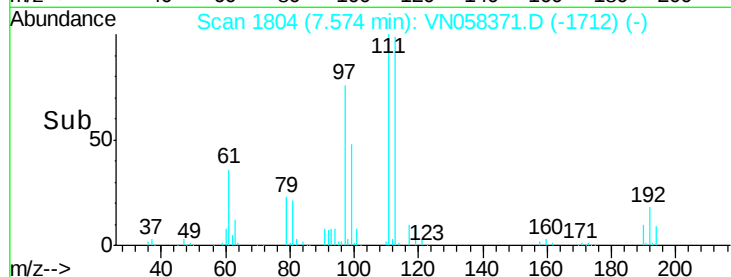
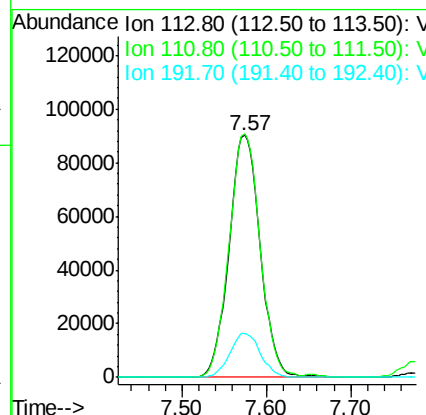
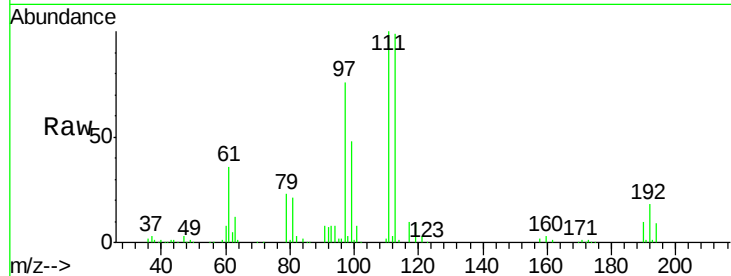
#35
Dibromofluoromethane
Concen: 47.804 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	231500		
111	100.4	81.8	122.6	
192	17.8	14.5	21.7	

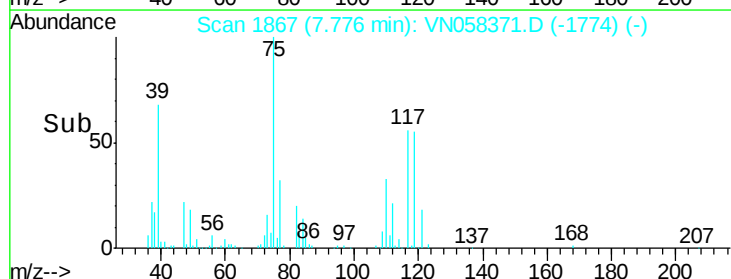
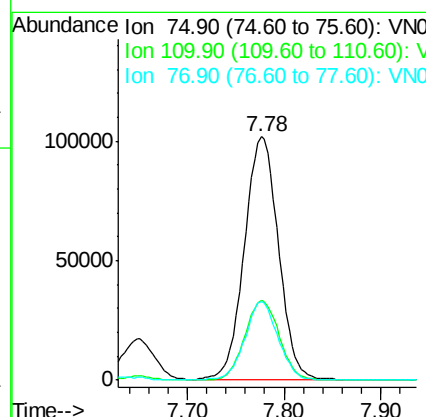
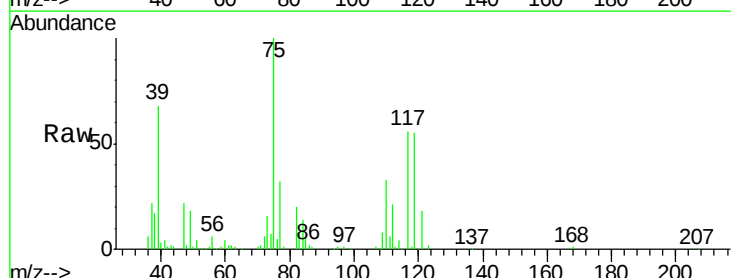
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#36
1,1-Dichloropropene
Concen: 43.233 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248359		
110	33.3	16.6	49.7	
77	31.7	24.3	36.5	





#37

Ethyl Acetate

Concen: 50.689 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

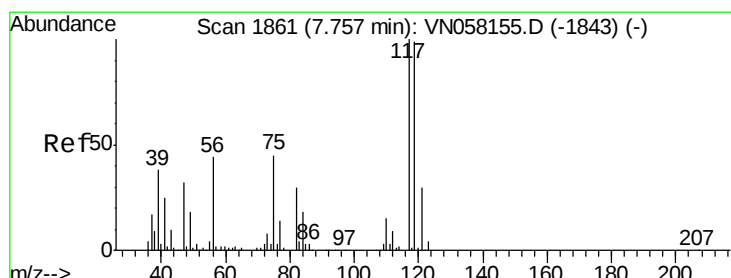
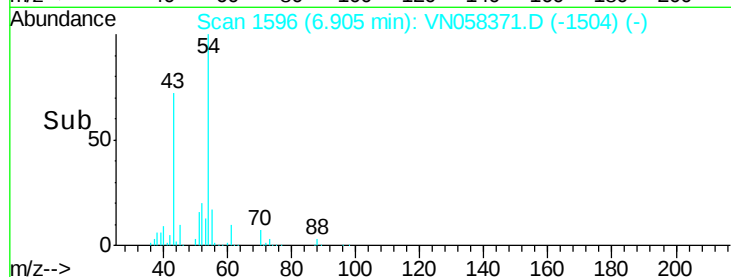
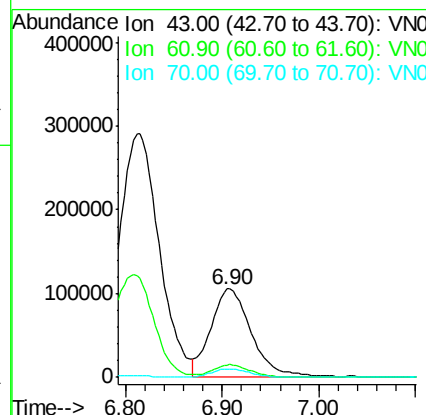
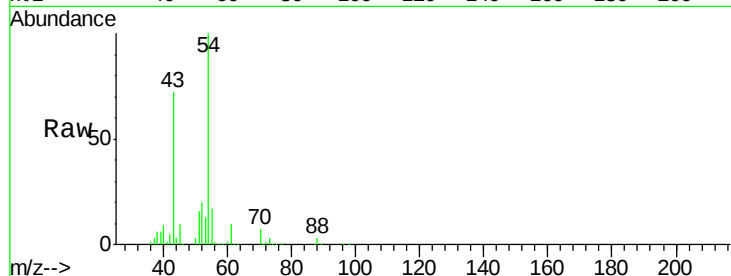
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	302193
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.7	16.1
70	8.8	7.6	11.4

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#38

Carbon Tetrachloride

Concen: 47.292 ug/l

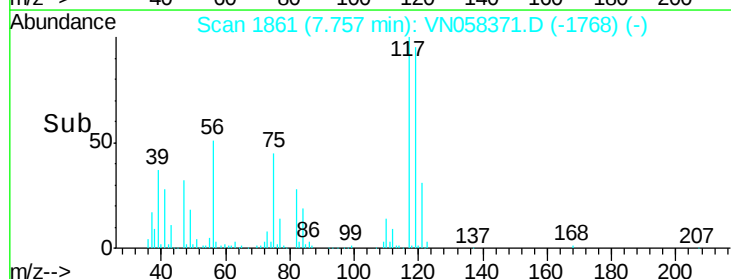
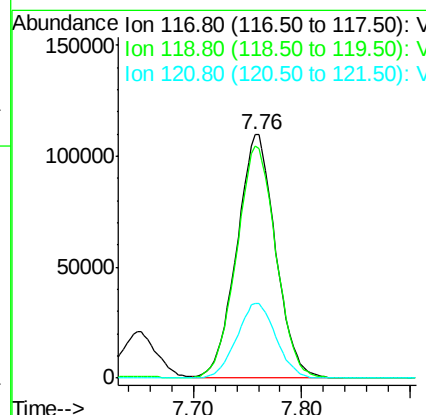
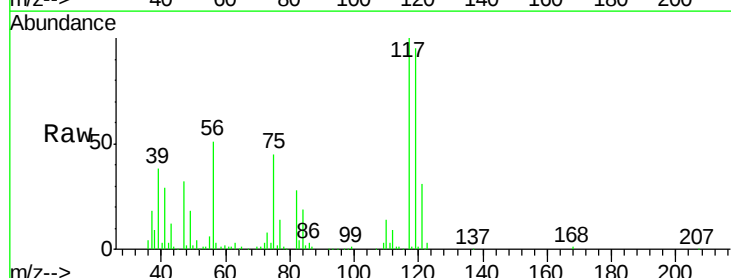
RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Tgt Ion:	117	Resp:	273099
Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.6	117.8
121	31.0	24.1	36.1





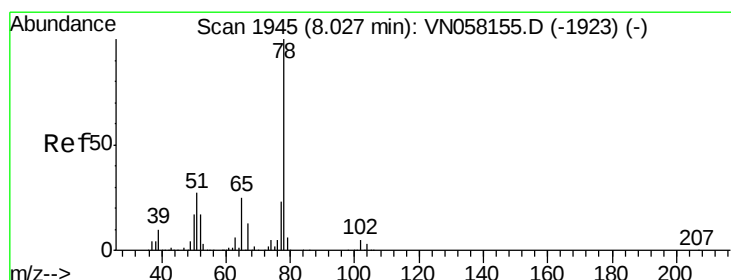
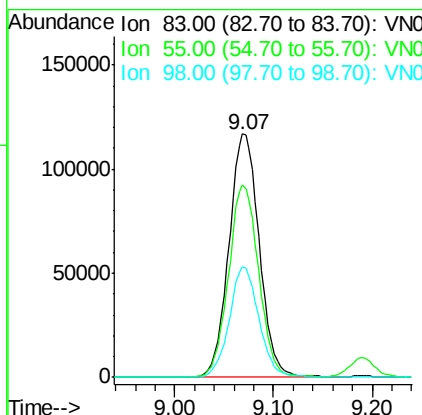
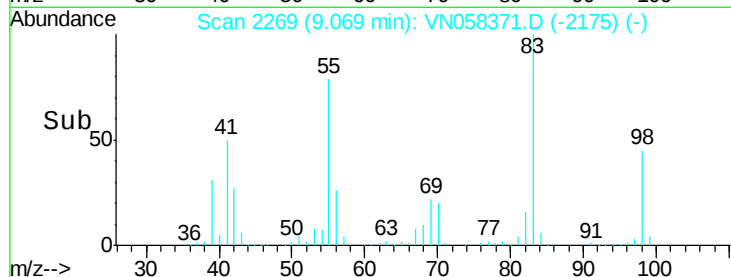
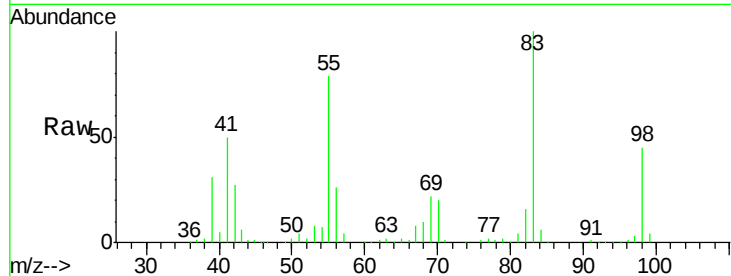
#39
Methvlcvclohexane
Concen: 45.141 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	250691		
55	78.8	61.9	92.9	
98	45.4	35.4	53.2	

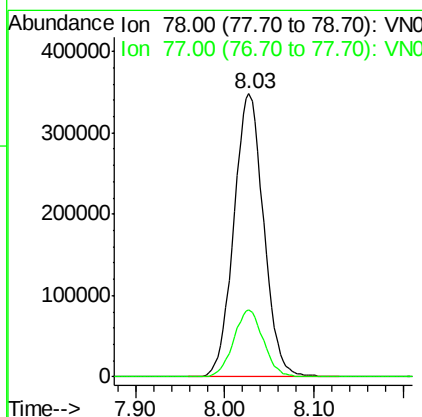
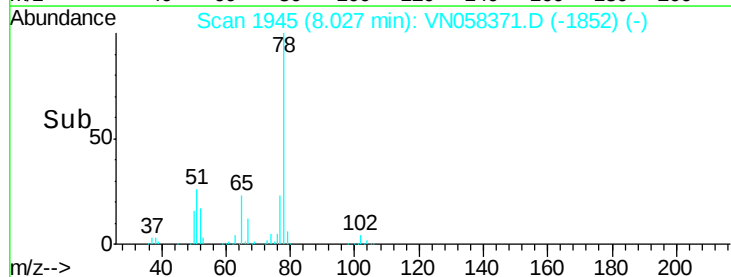
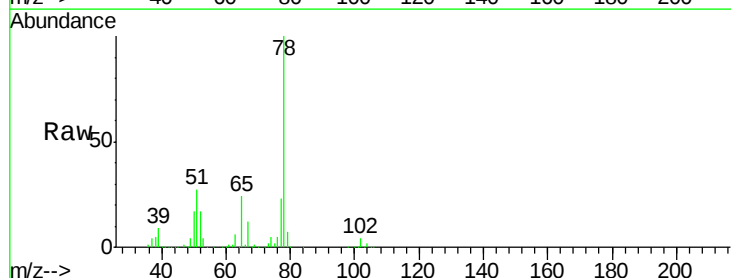
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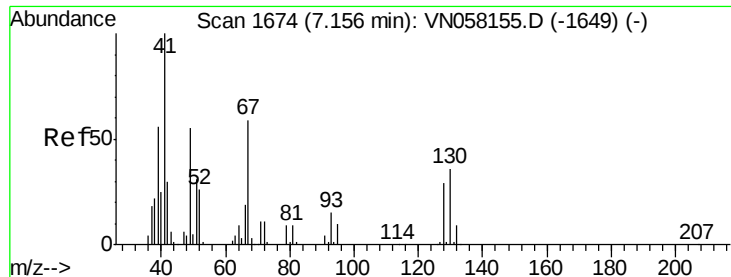
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#40
Benzene
Concen: 45.997 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	807073		
77	23.5	18.8	28.2	





#41

Methacrylonitrile

Concen: 47.055 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 141160

Ion Ratio Lower Upper

41 100

39 62.6 0.0 0.0#

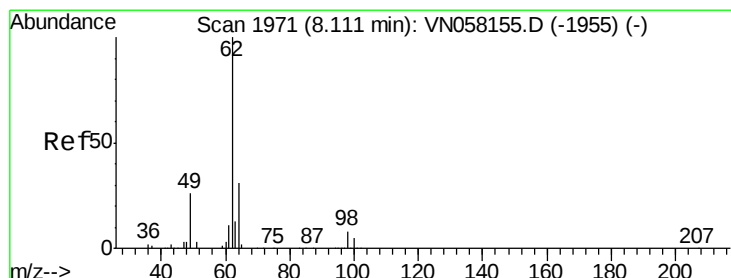
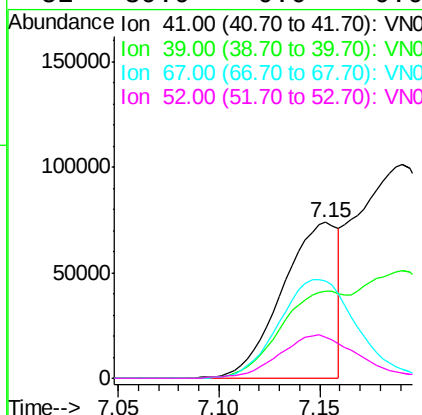
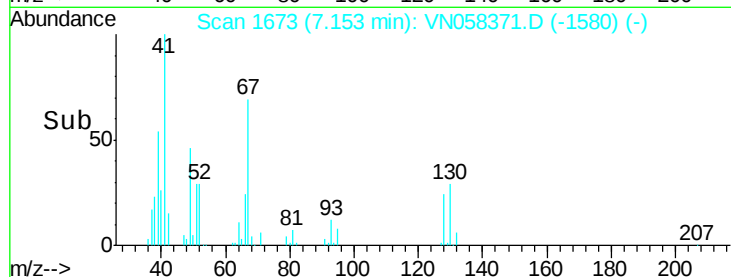
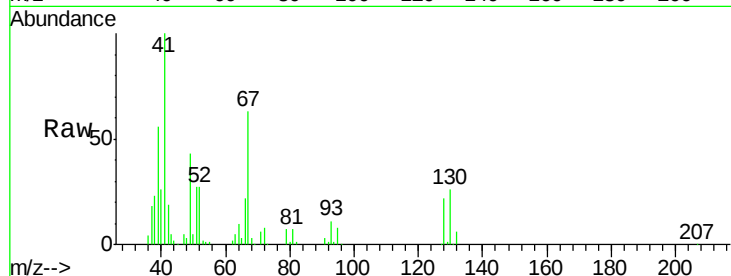
67 89.9 0.0 0.0#

52 39.9 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.490 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058371.D

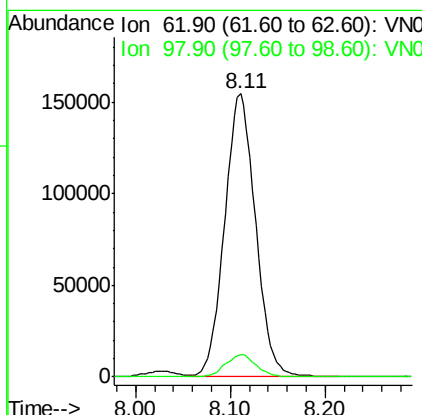
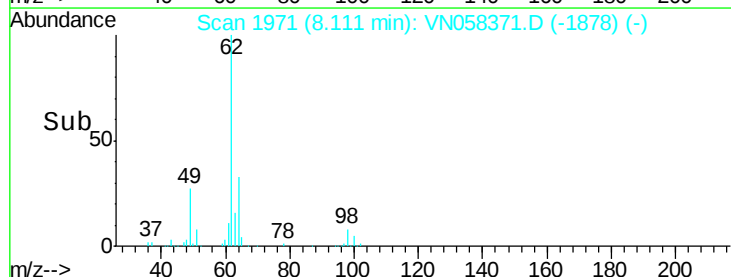
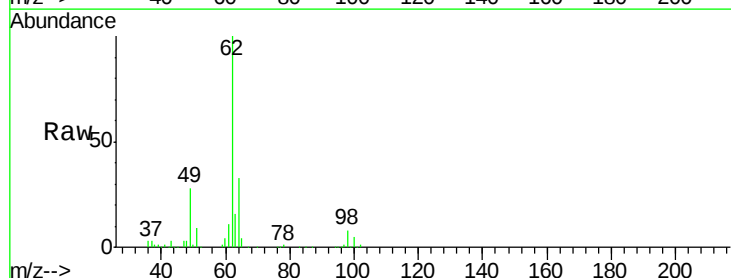
Acq: 26 Sep 2019 9:28

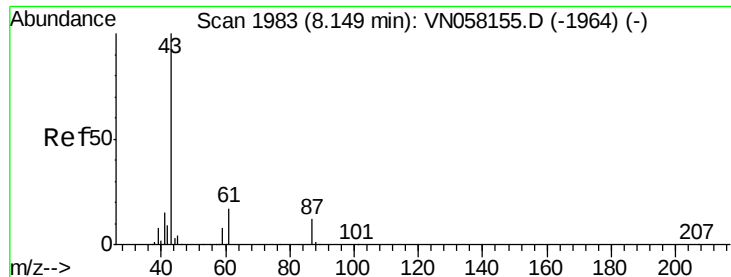
Tgt Ion: 62 Resp: 349650

Ion Ratio Lower Upper

62 100

98 7.9 0.0 15.6





#43

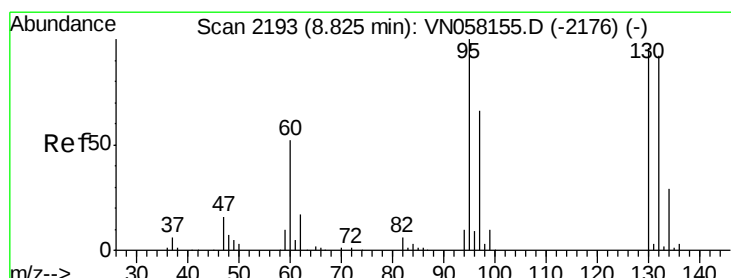
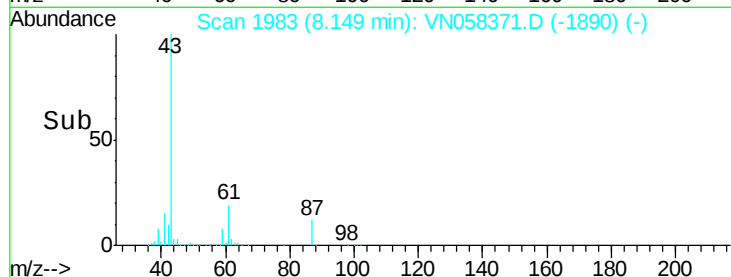
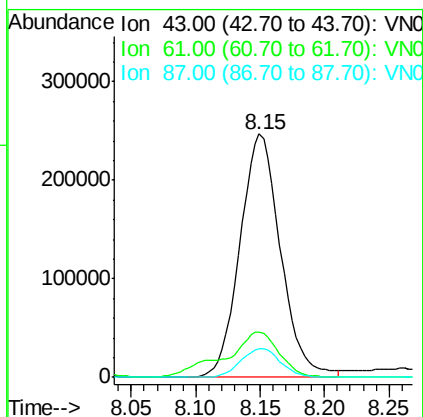
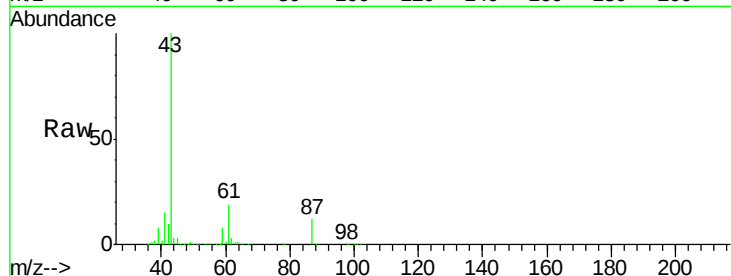
Isopropyl Acetate
 Concen: 48.296 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	19.7	29.5
87	11.9	9.4	14.2

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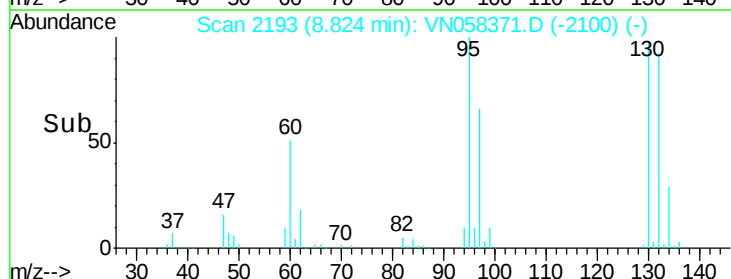
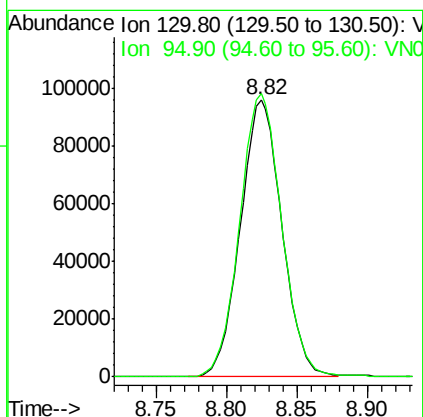
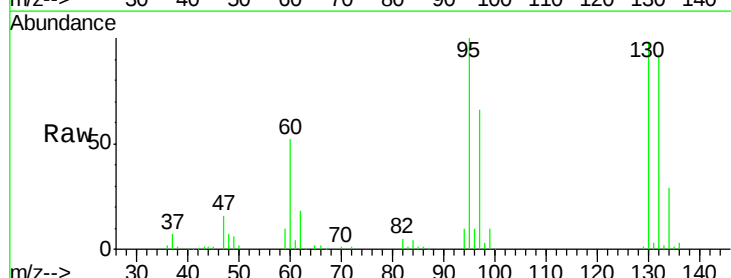
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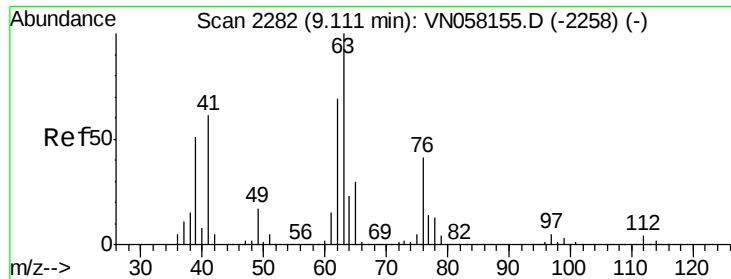


#44

Trichloroethene
 Concen: 45.946 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	207.8





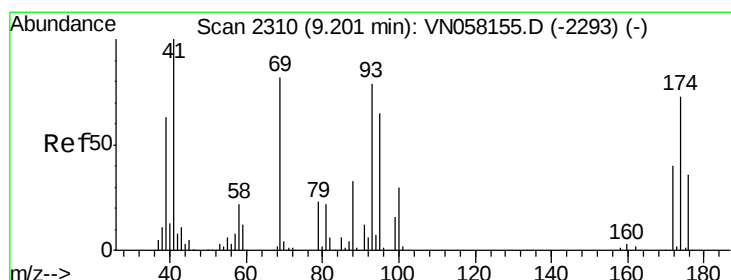
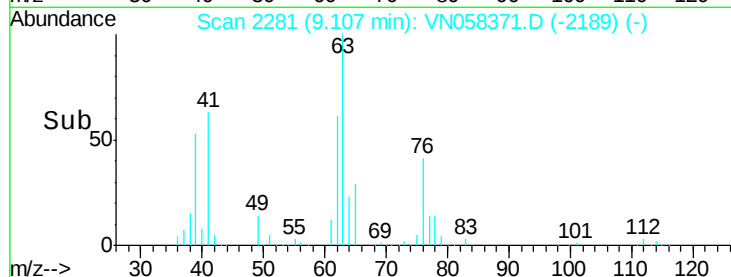
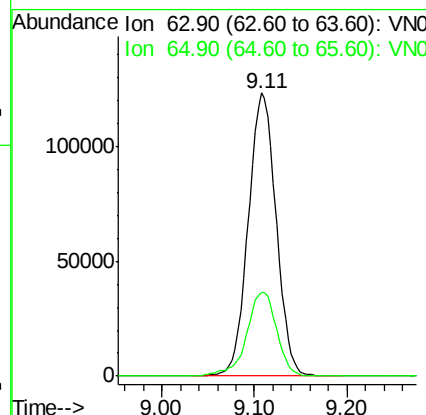
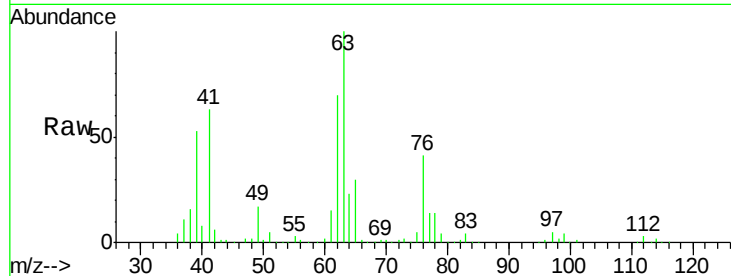
#45
 1,2-Dichloropropane
 Concen: 49.100 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	23.8	35.6

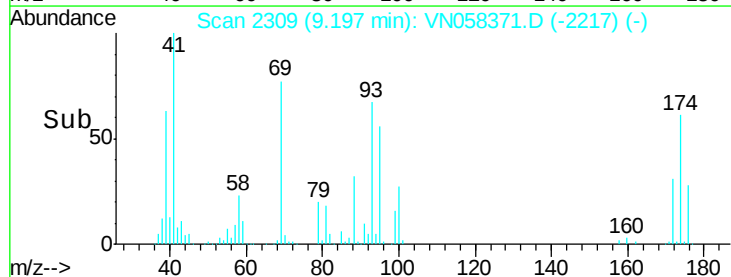
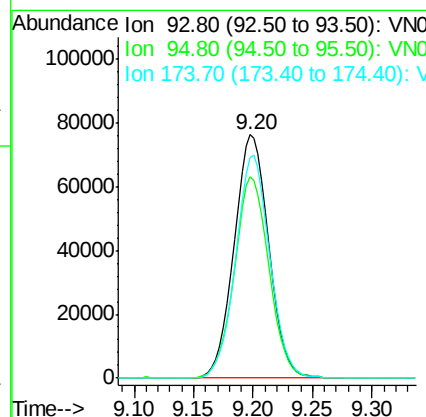
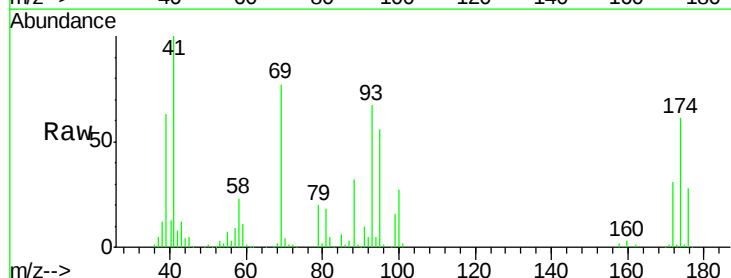
Manual Integrations
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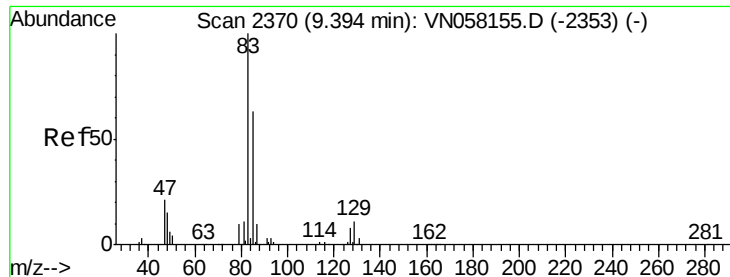
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 9/27/2019 11:18:56 AM



#46
 Dibromomethane
 Concen: 48.328 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.8	100.2
174	90.5	73.8	110.8





#47

Bromodichloromethane

Concen: 52.247 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

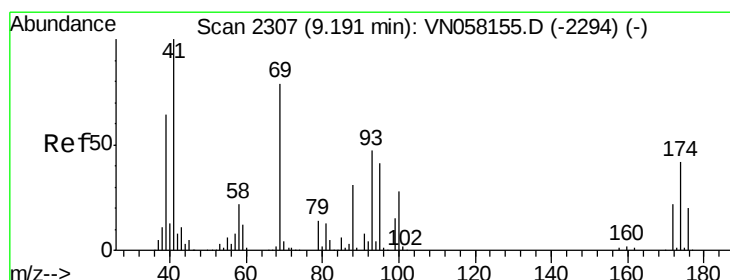
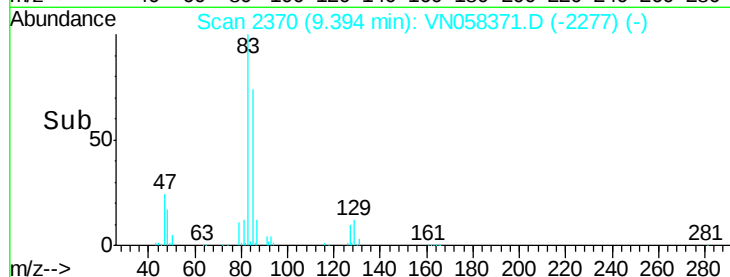
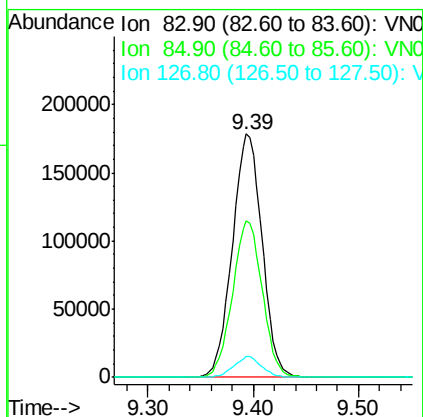
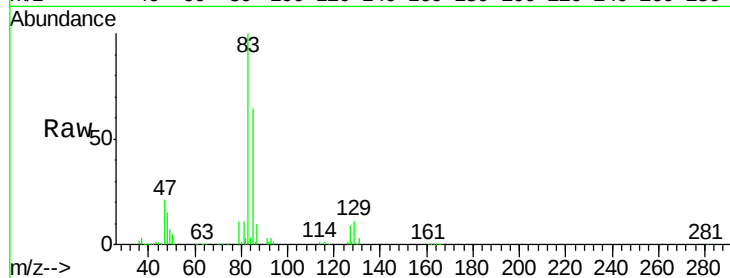
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	348707
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.1	75.1
127	8.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.755 ug/l

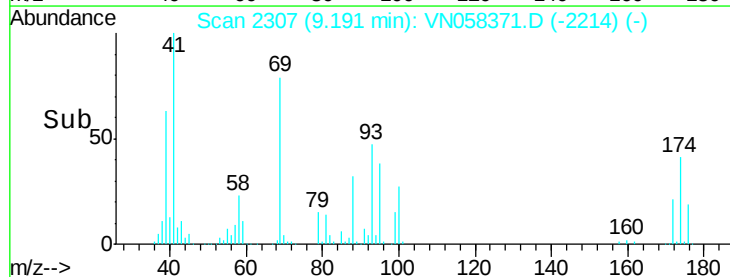
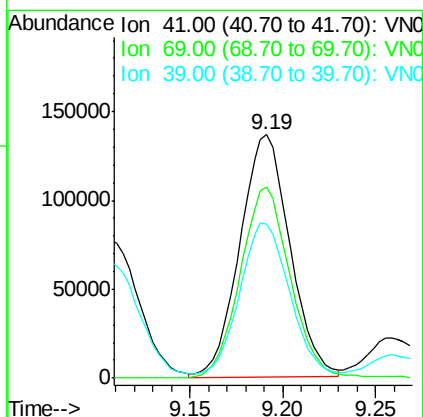
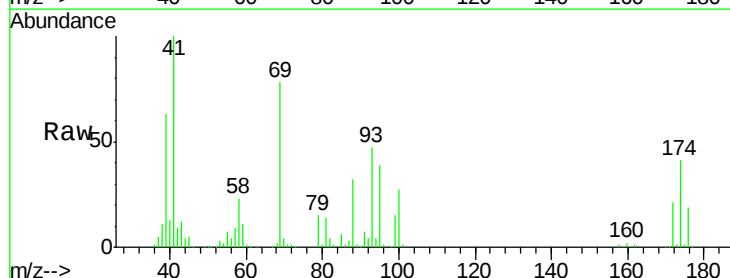
RT: 9.19 min Scan# 2307

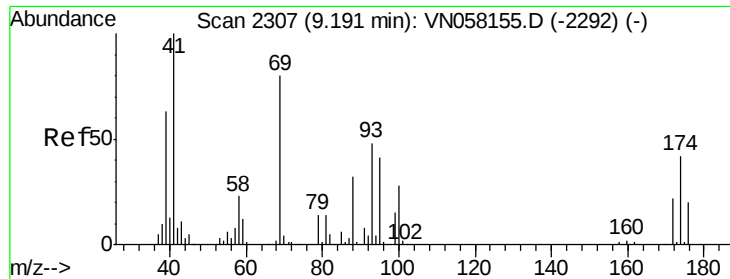
Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Tgt Ion:	41	Resp:	256584
Ion Ratio	Lower	Upper	
41	100		
69	78.9	62.5	93.7
39	64.2	52.3	78.5





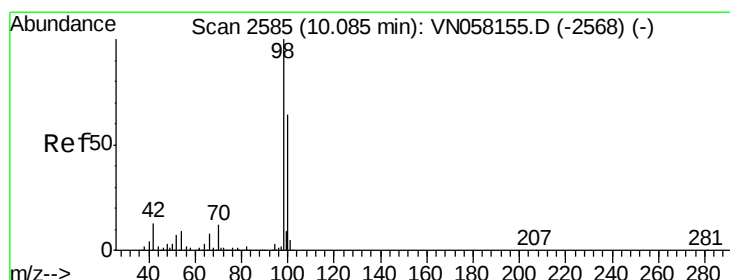
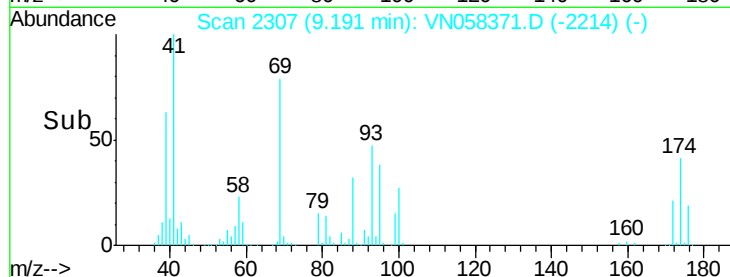
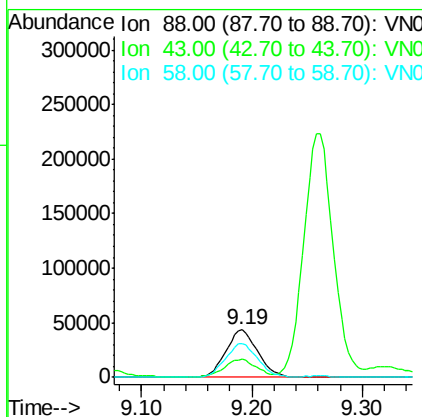
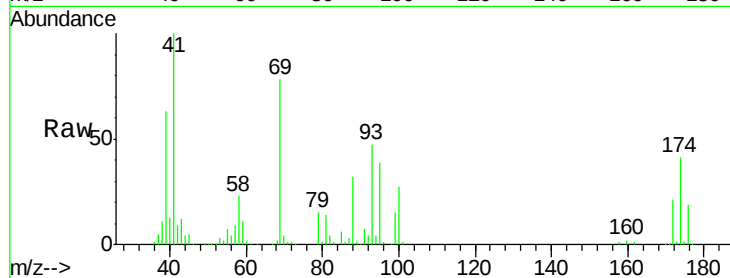
#49
 1,4-Dioxane
 Concen: 1056.553 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	27.8	41.8
58	71.7	55.0	82.4

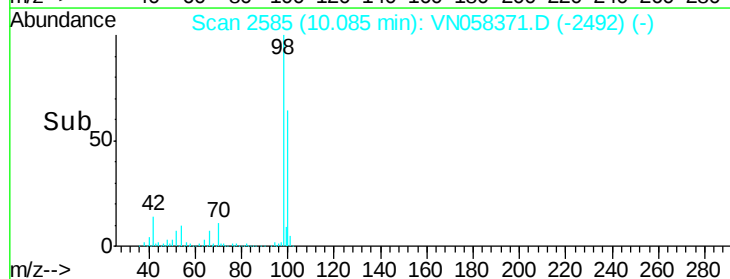
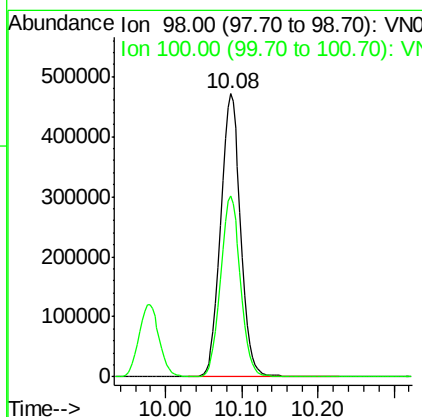
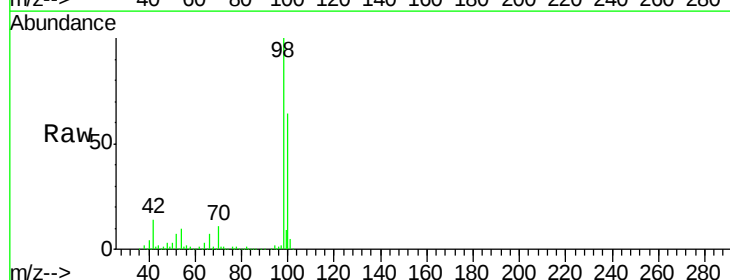
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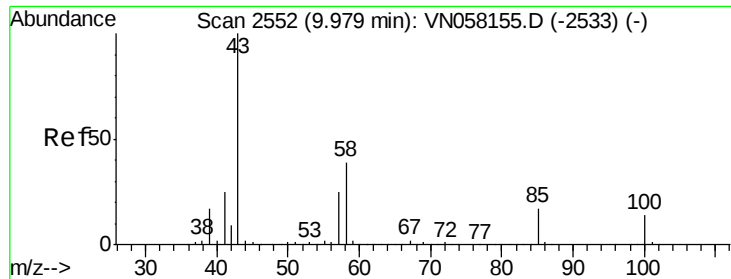
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#50
 Toluene-d8
 Concen: 45.554 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 282.591 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1671241

Ion Ratio Lower Upper

43 100

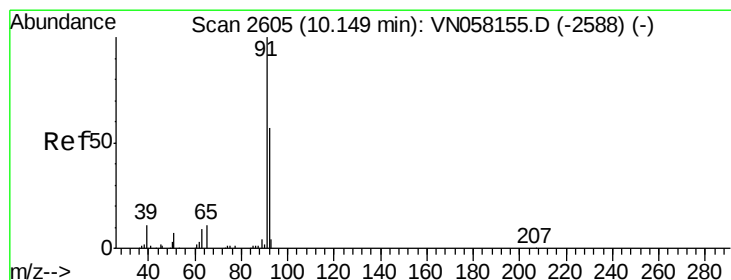
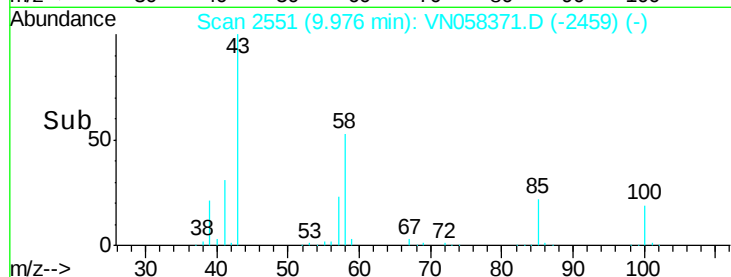
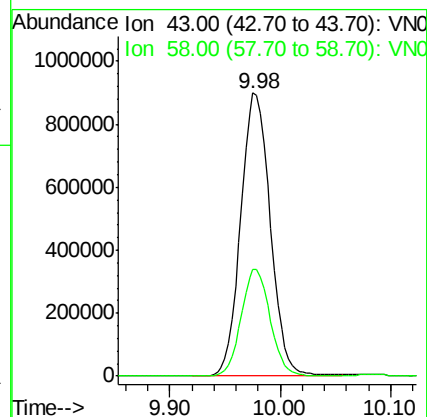
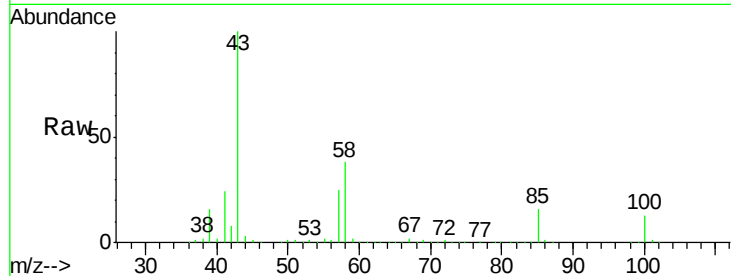
58 37.1 30.2 45.4

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#52

Toluene

Concen: 45.793 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058371.D

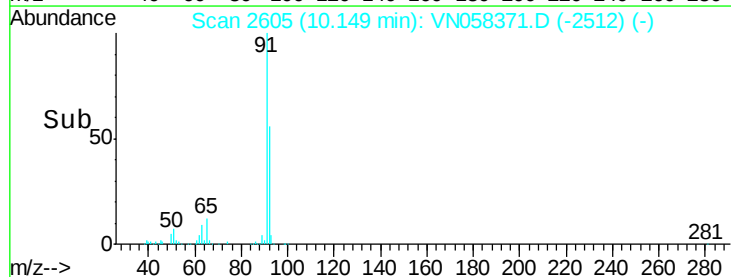
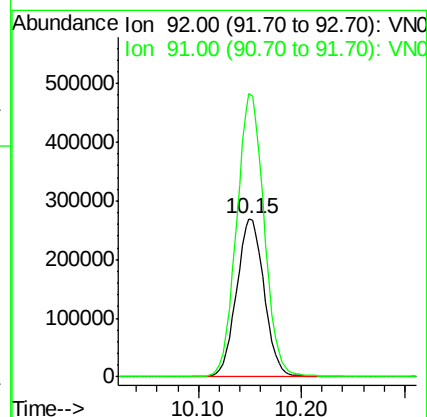
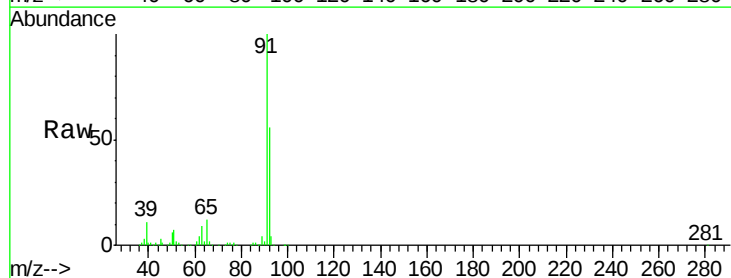
Acq: 26 Sep 2019 9:28

Tgt Ion: 92 Resp: 503565

Ion Ratio Lower Upper

92 100

91 178.5 140.2 210.2





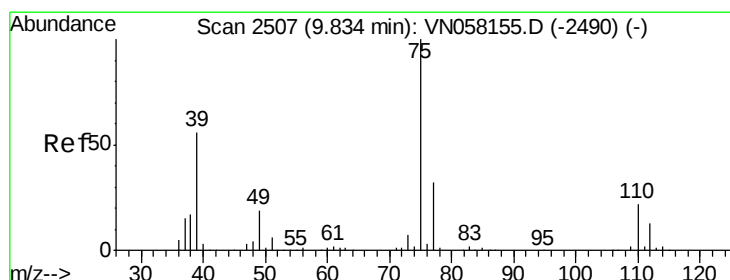
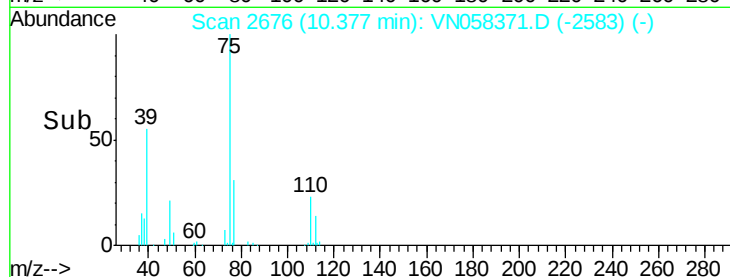
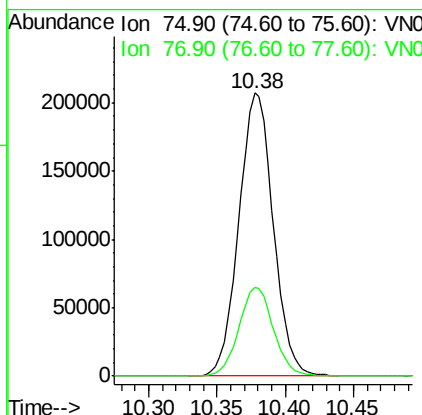
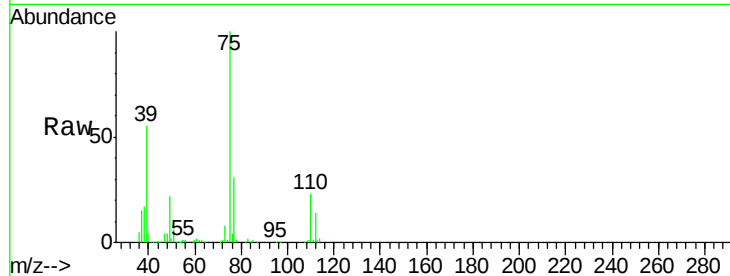
#53
 t-1,3-Dichloropropene
 Concen: 52.996 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3

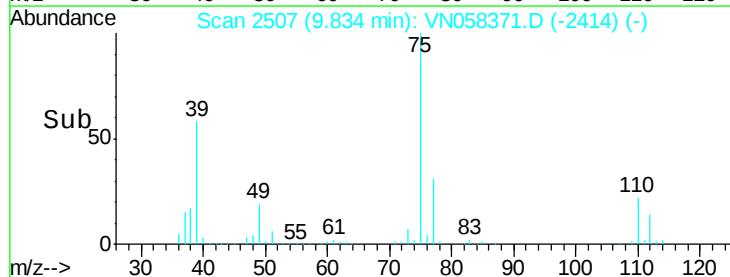
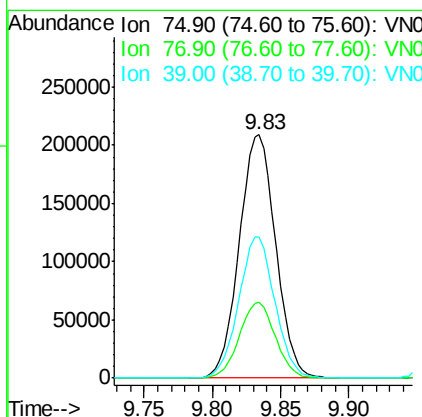
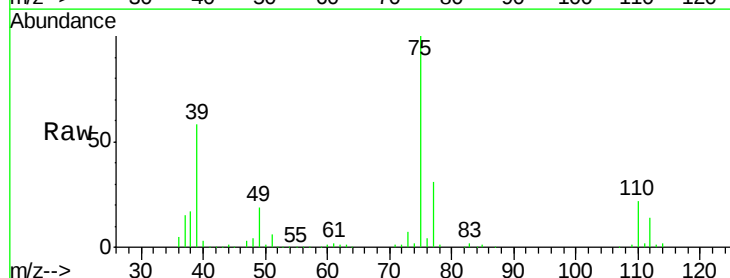
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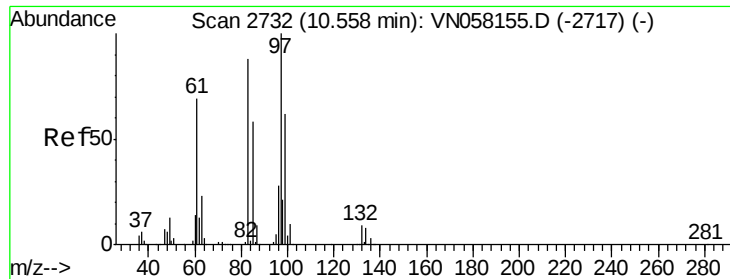
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#54
 cis-1,3-Dichloropropene
 Concen: 51.472 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	57.7	45.0	67.6





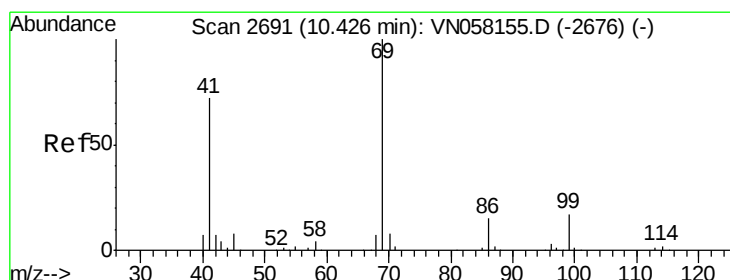
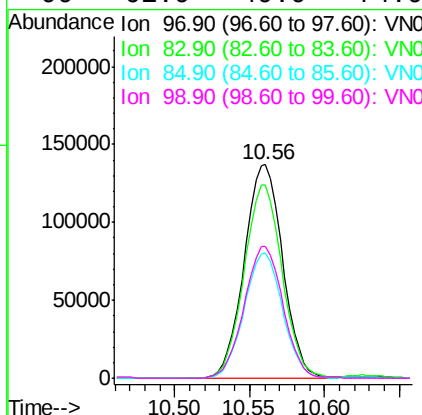
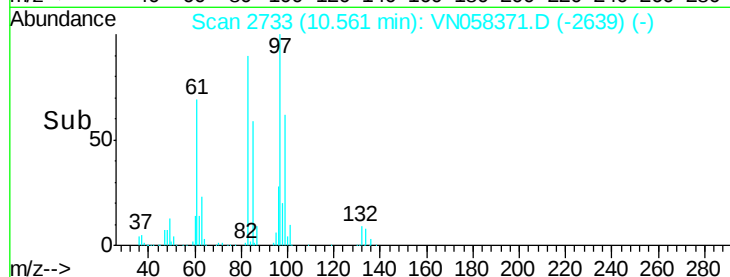
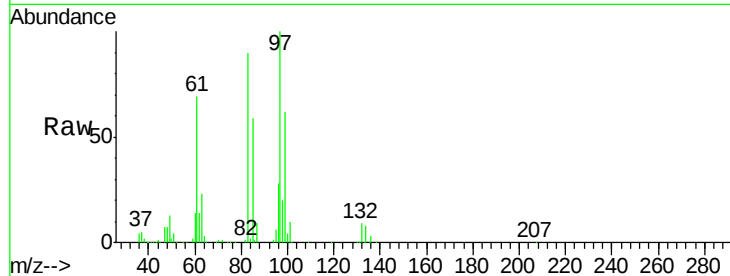
#55
 1,1,2-Trichloroethane
 Concen: 50.306 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		245493		
83	90.2	70.4	105.6		
85	58.6	46.8	70.2		
99	61.9	49.9	74.9		

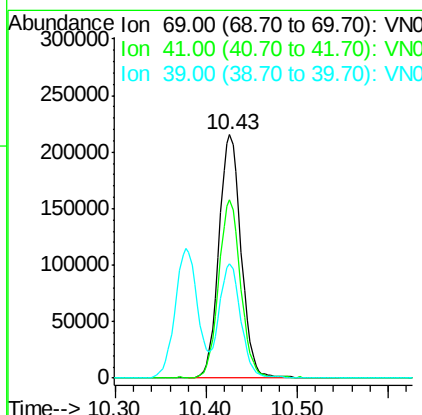
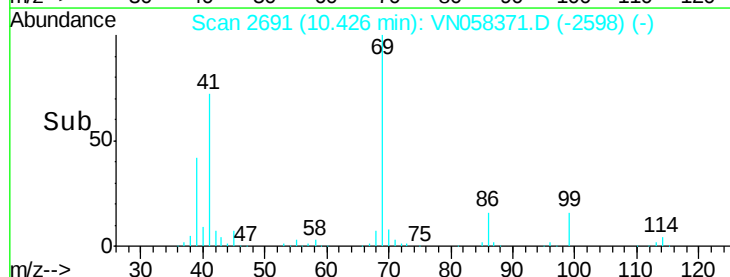
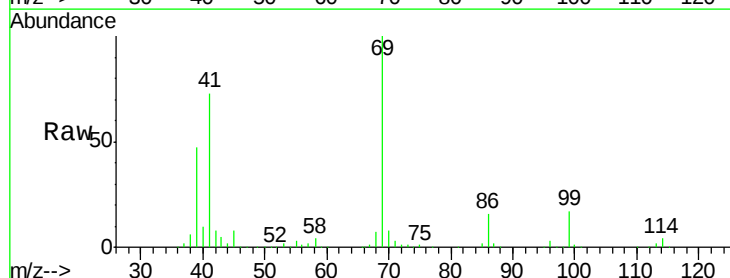
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#56
 Ethyl methacrylate
 Concen: 51.920 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		365567		
41	71.1	57.5	86.3		
39	45.3	36.1	54.1		





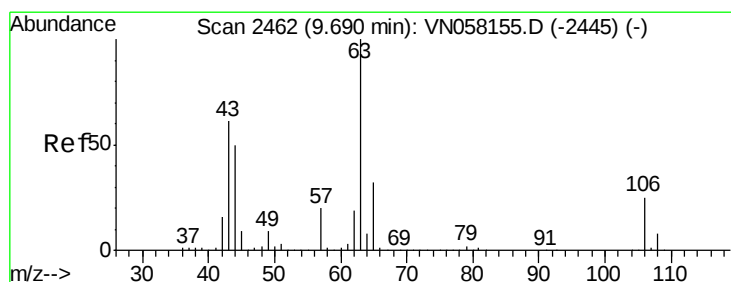
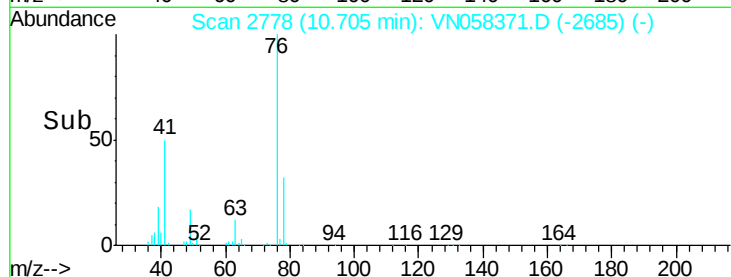
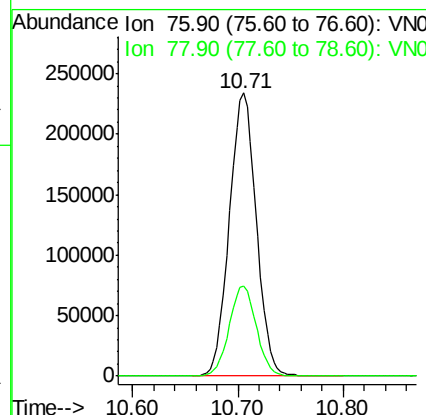
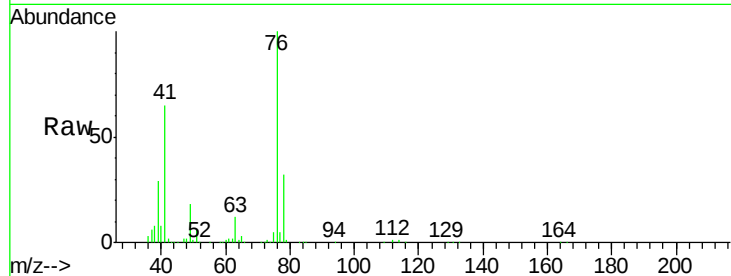
#57
 1,3-Dichloropropane
 Concen: 49.304 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 413619
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0

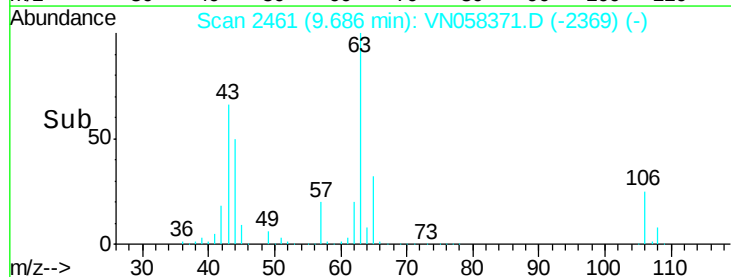
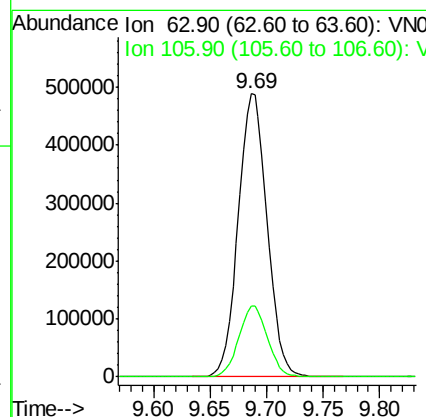
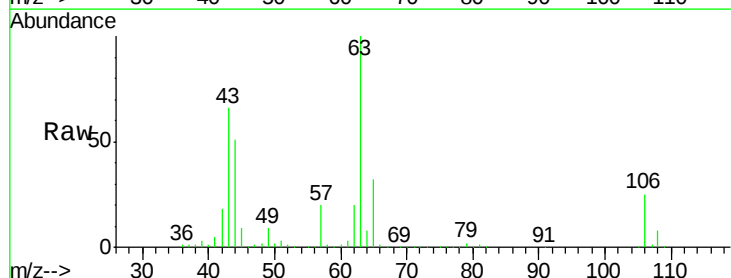
Manual Integrations
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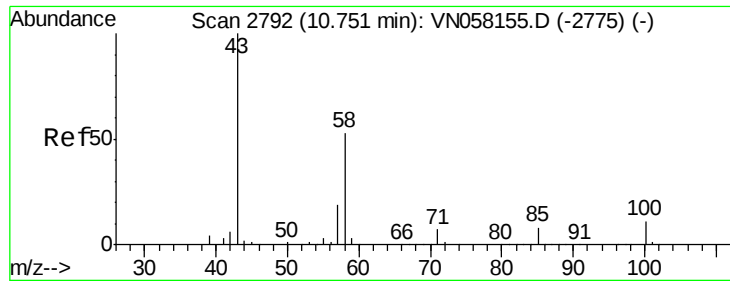
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#58
 2-Chloroethyl Vinyl ether
 Concen: 259.210 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion: 63 Resp: 869336
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.9 29.9





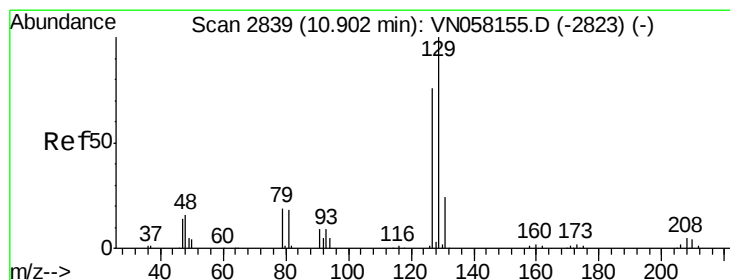
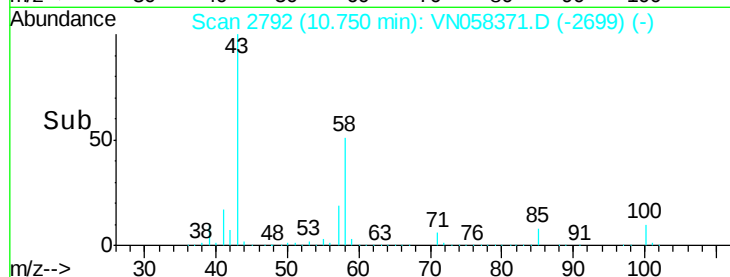
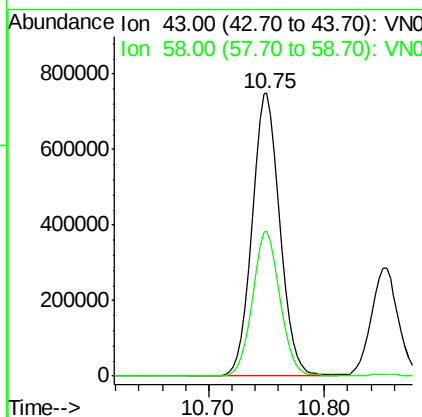
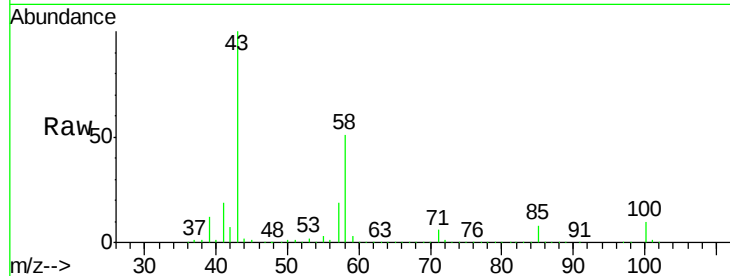
#59
2-Hexanone
Concen: 286.007 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1256216
Ion Ratio Lower Upper
43 100
58 50.7 26.0 78.0

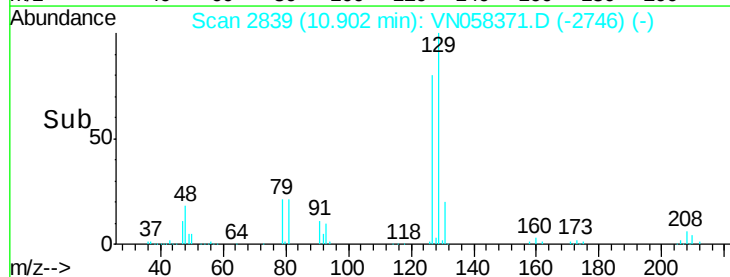
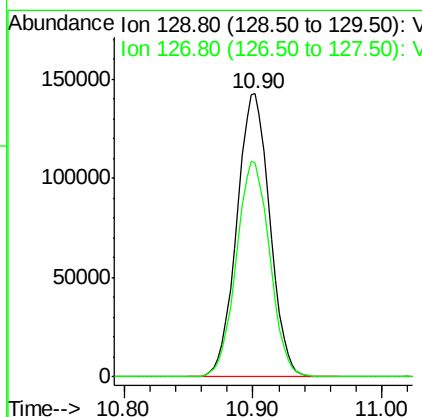
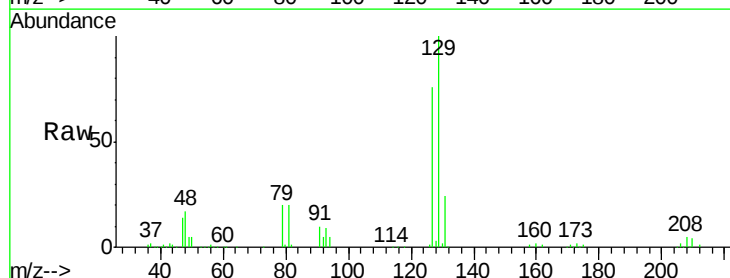
Manual Integrations
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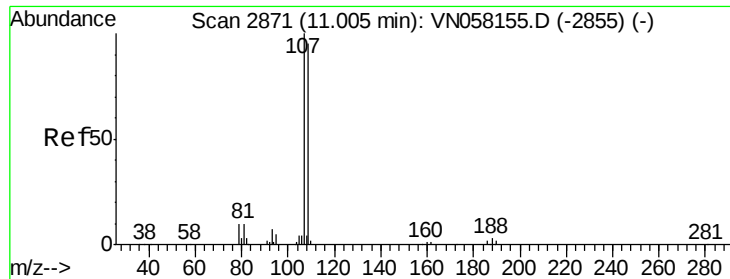
MMDadoda
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#60
Dibromochloromethane
Concen: 54.192 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion:129 Resp: 254421
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1





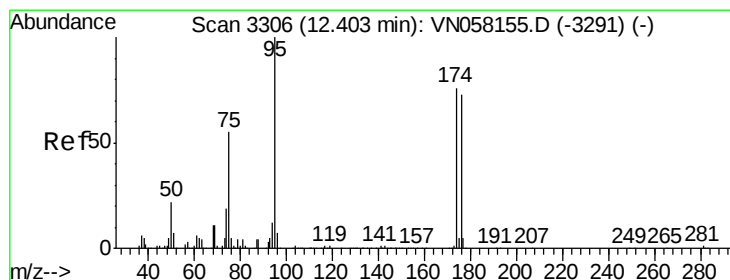
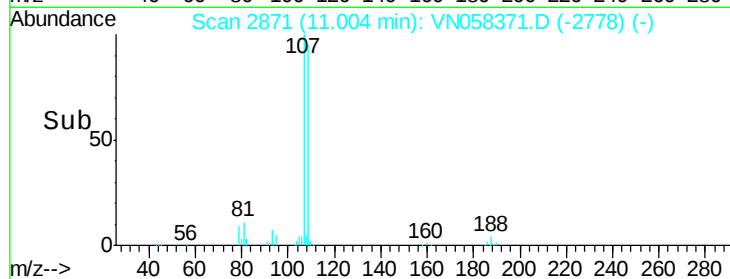
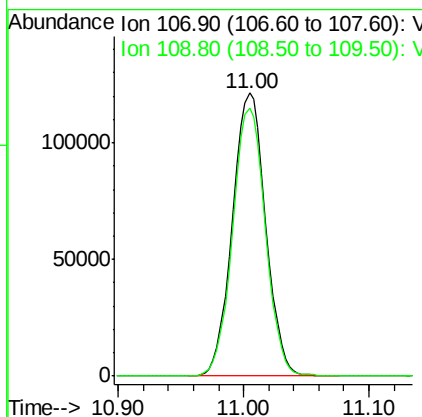
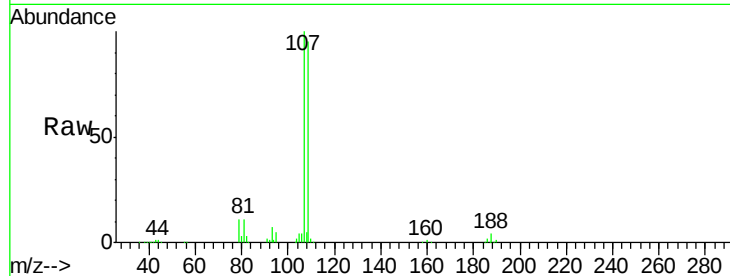
#61
 1,2-Dibromoethane
 Concen: 49.318 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.4	113.2

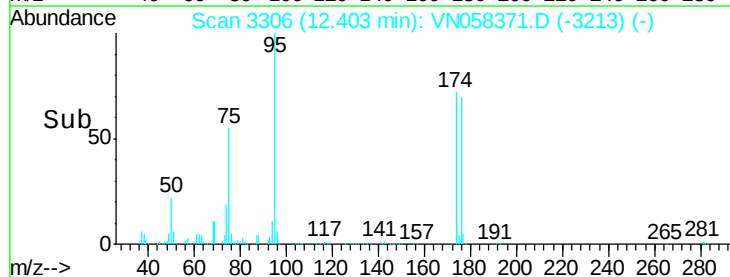
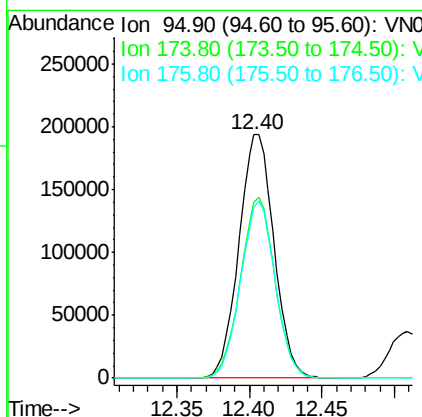
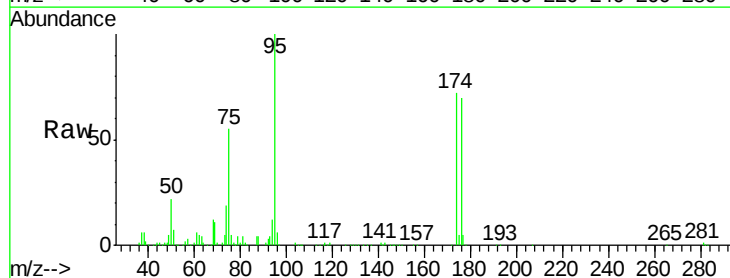
Manual Integrations
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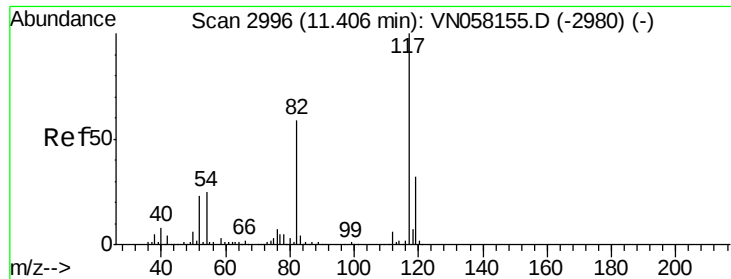
MMDadoda
 9/27/2019 11:18:56 AM



#62
 4-Bromofluorobenzene
 Concen: 46.491 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	152.2
176	71.5	0.0	148.0





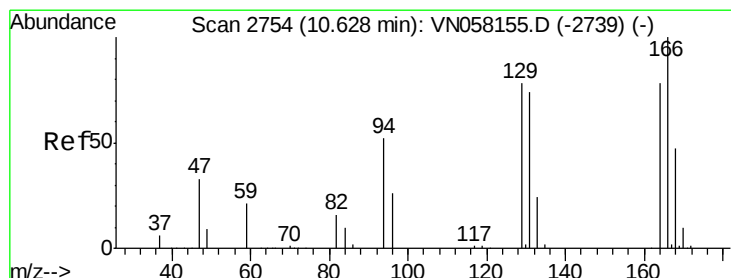
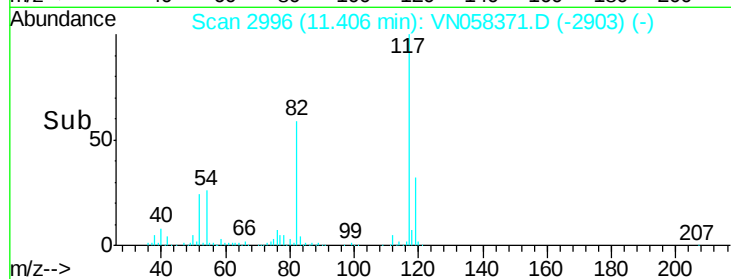
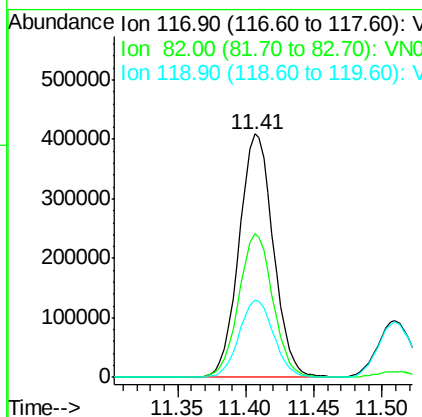
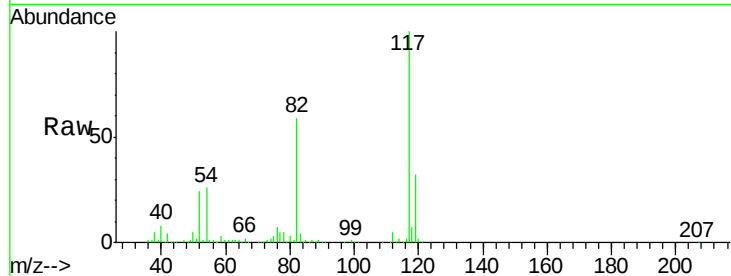
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.9	70.3
119	31.8	25.3	37.9

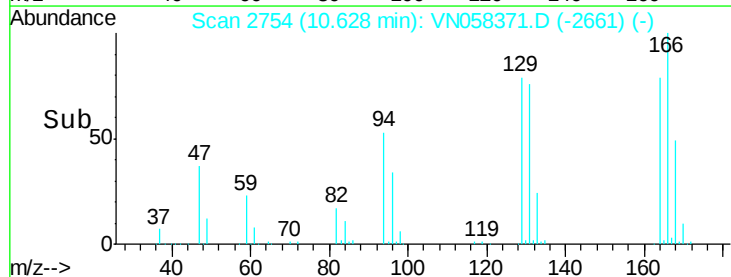
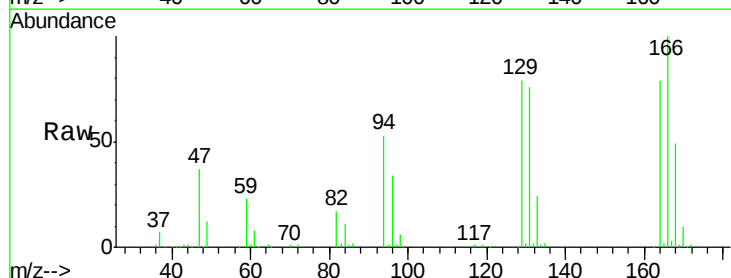
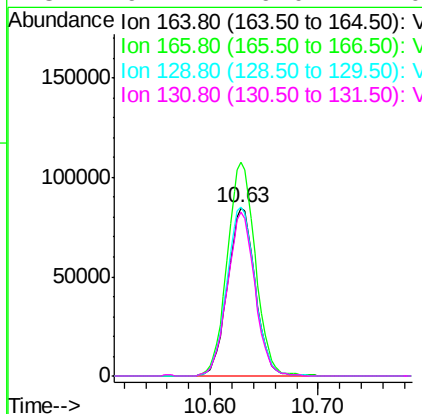
Manual Integrations
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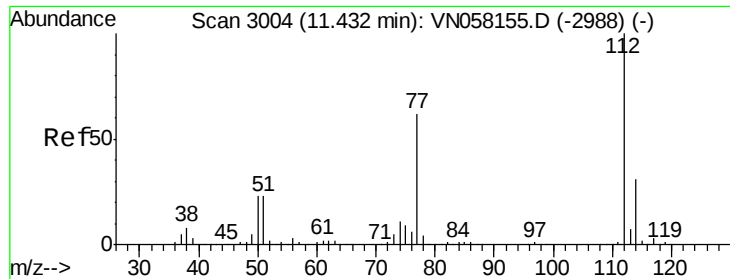
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#64
Tetrachloroethene
Concen: 43.475 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.2	153.4
129	100.6	79.6	119.4
131	97.2	76.0	114.0





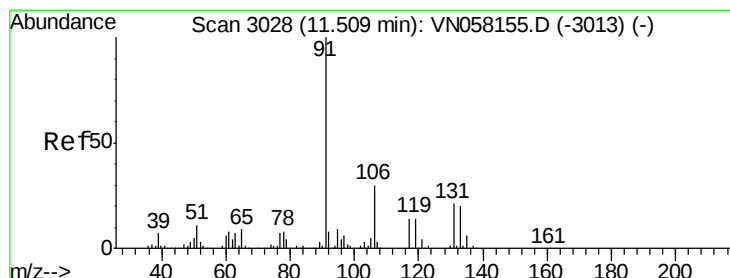
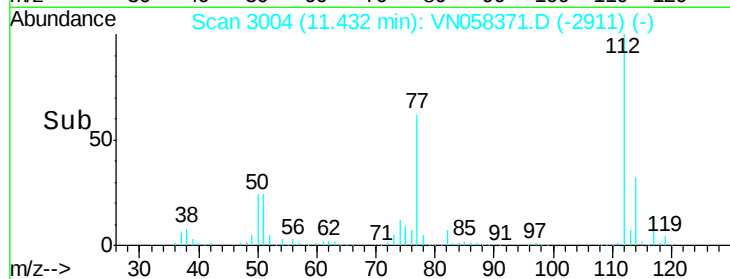
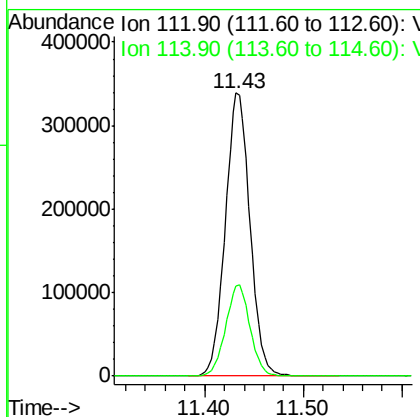
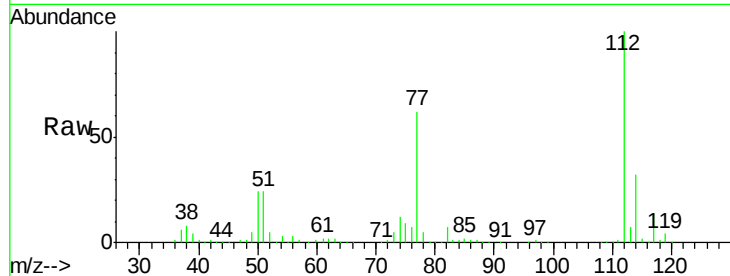
#65
Chlorobenzene
Concen: 47.216 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 593381
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

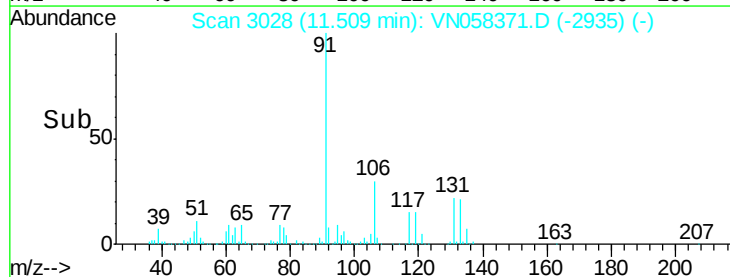
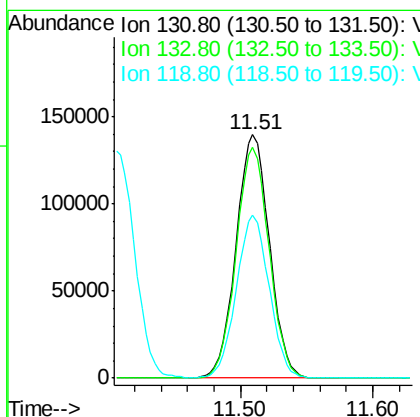
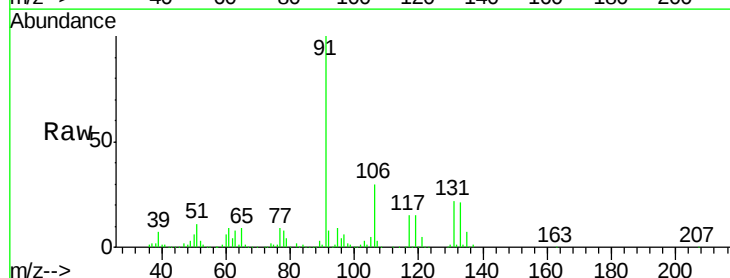
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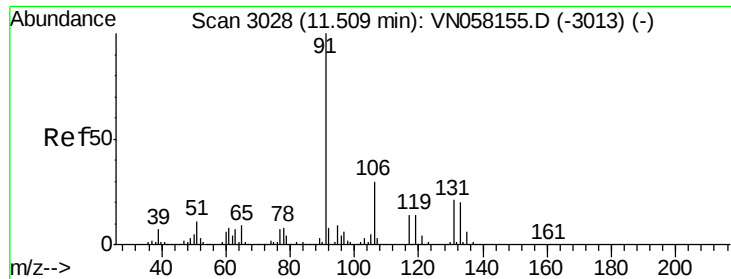
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.489 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion:131 Resp: 243746
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.3
119 66.0 33.1 99.3





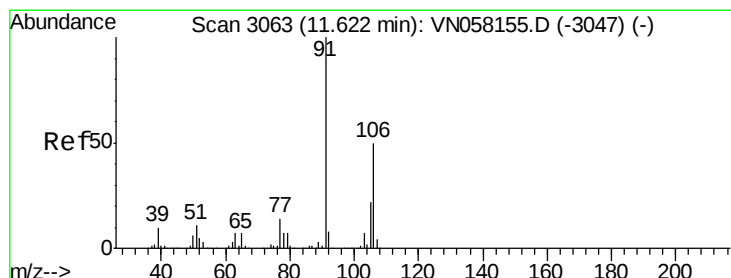
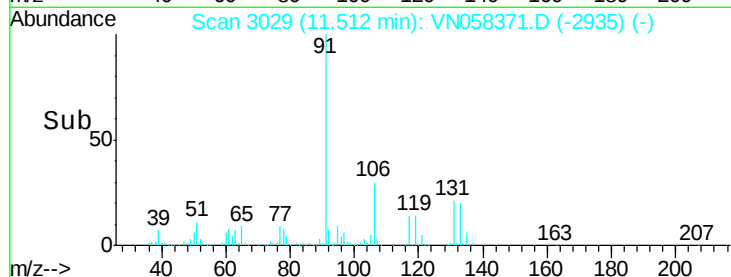
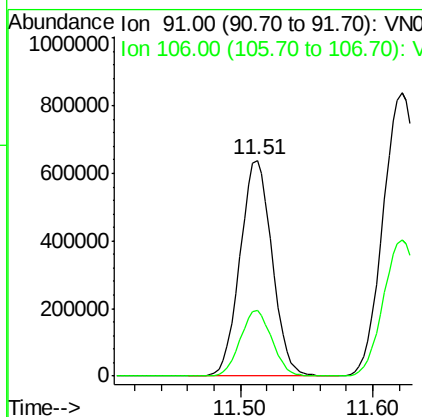
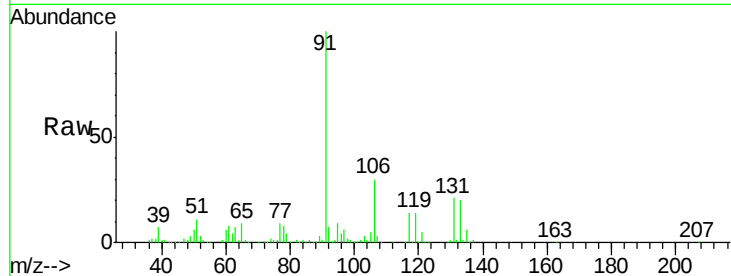
#67
Ethyl Benzene
Concen: 49.701 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1070271
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

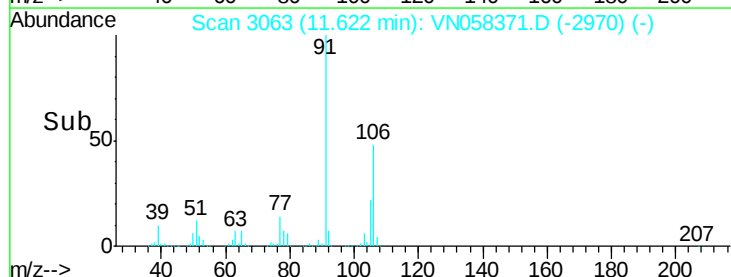
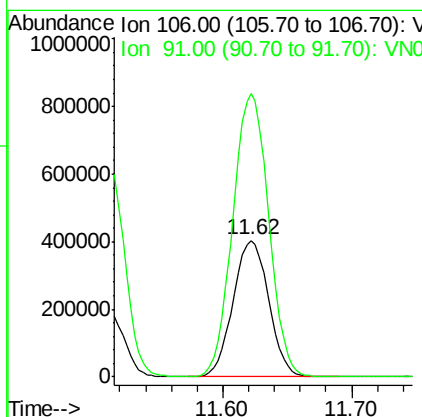
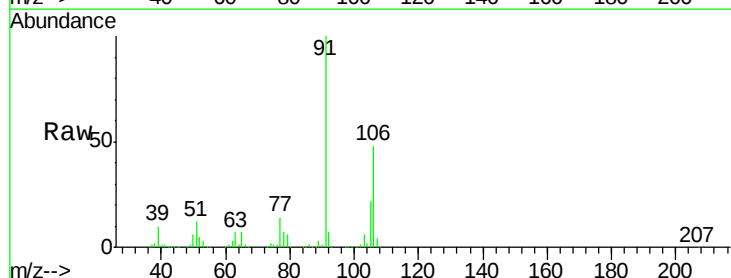
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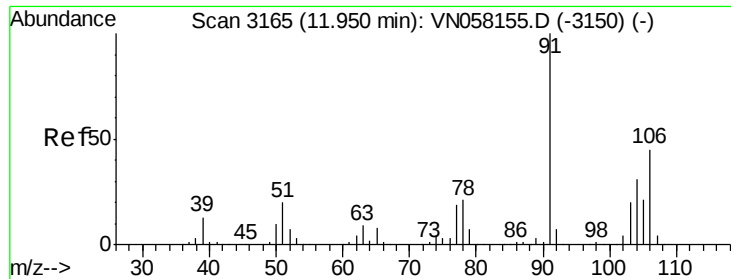
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#68
m/p-Xylenes
Concen: 95.570 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion: 106 Resp: 775115
Ion Ratio Lower Upper
106 100
91 209.4 163.6 245.4





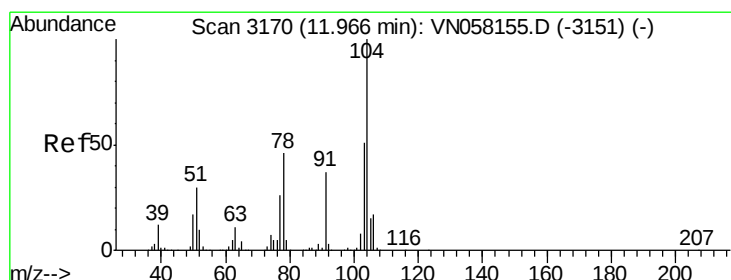
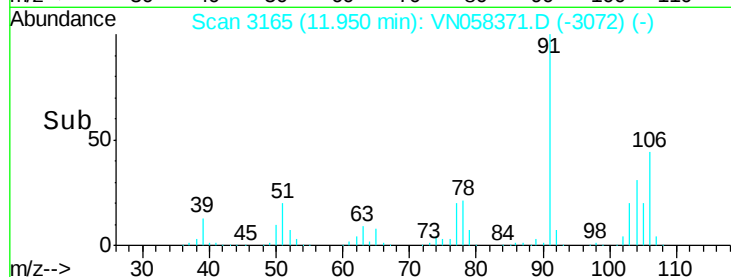
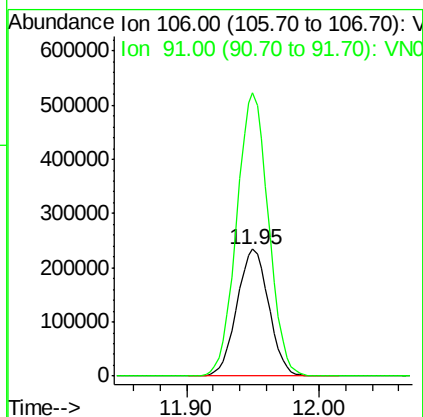
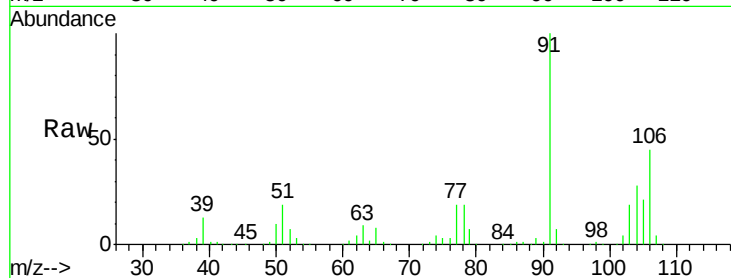
#69
o-Xylene
Concen: 49.003 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 390790
Ion Ratio Lower Upper
106 100
91 222.7 111.8 335.3

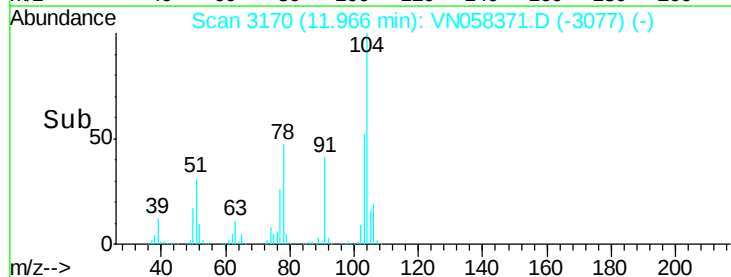
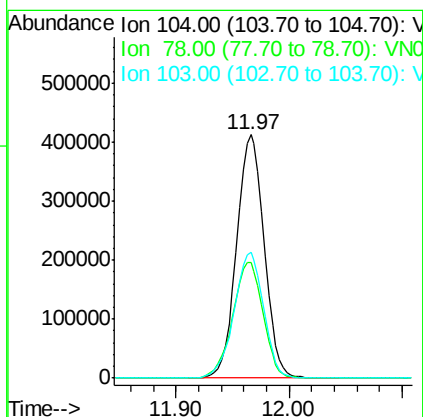
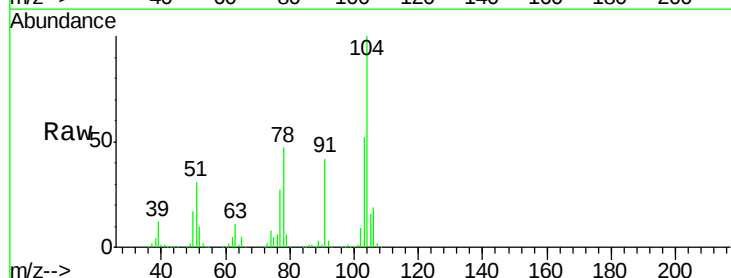
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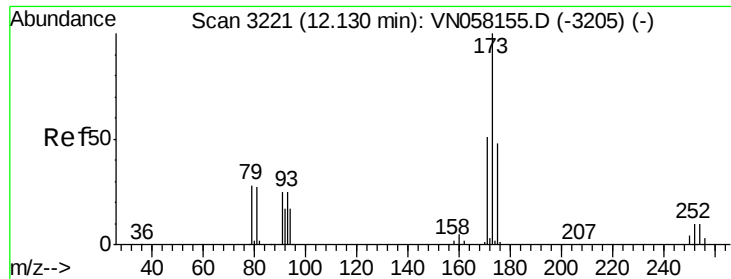
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#70
Styrene
Concen: 50.897 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion:104 Resp: 699361
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 55.4 44.2 66.2





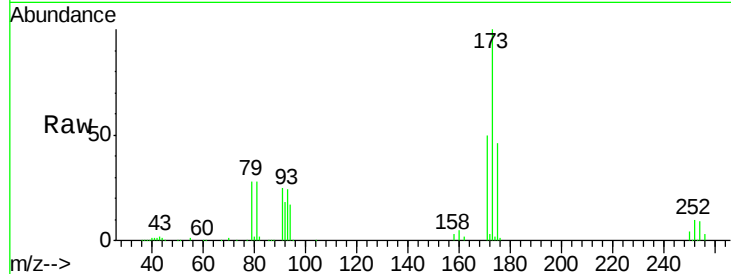
#71
Bromoform
Concen: 48.625 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

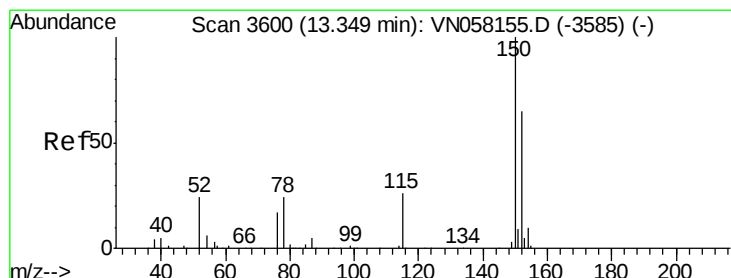
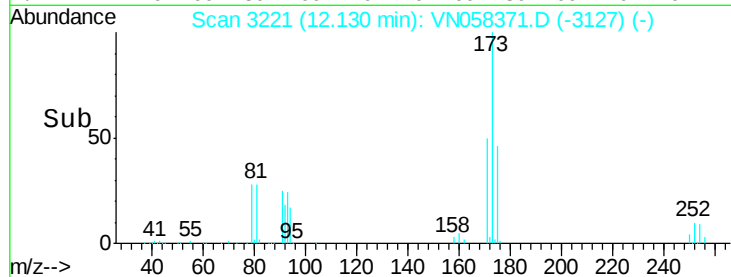
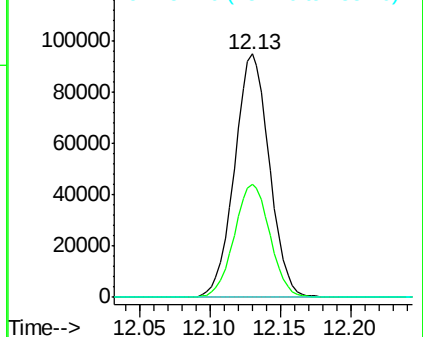
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.2	72.6
254	0.0	0.1	0.1#

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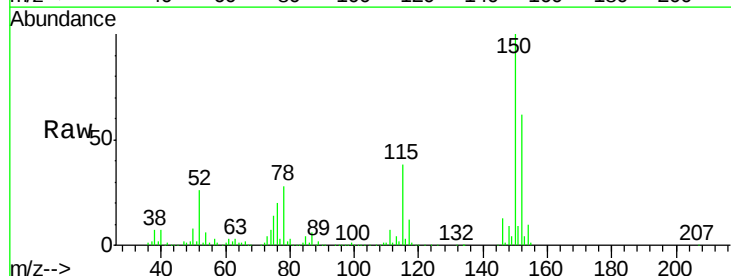


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

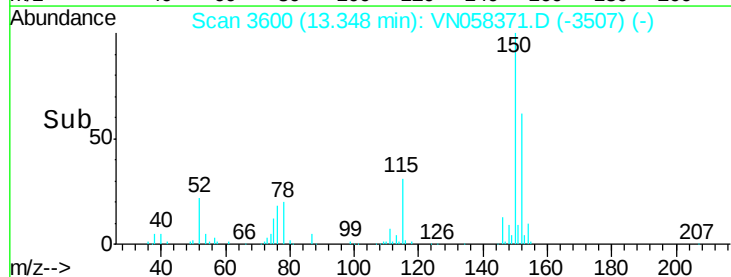
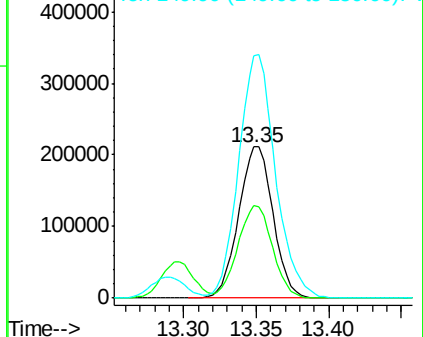


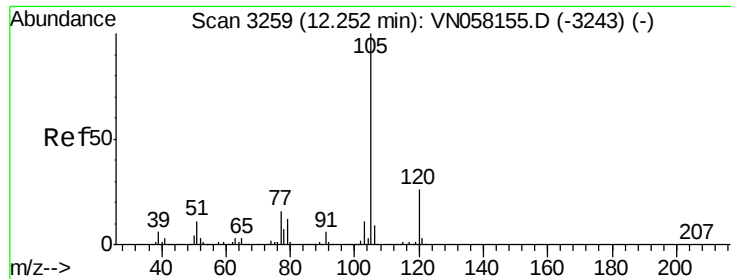
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.3
150	171.8	0.0	346.4



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





#73

Isopropylbenzene

Concen: 51.781 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1131037

Ion Ratio Lower Upper

105 100

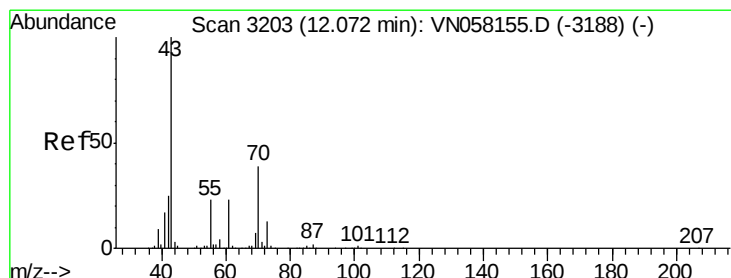
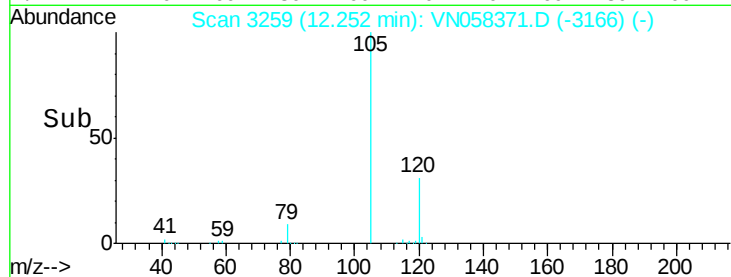
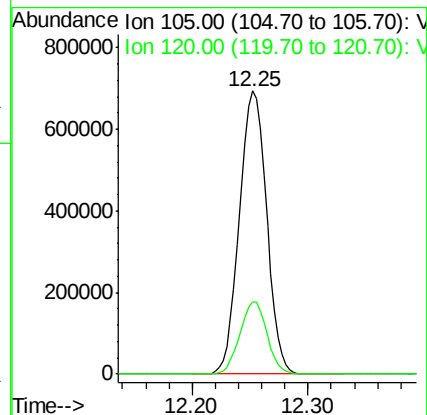
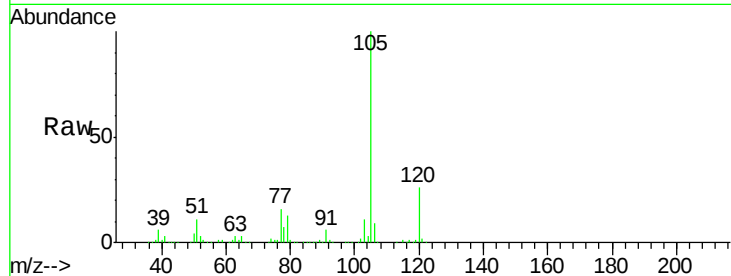
120 25.4 12.8 38.3

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#74

N-ethyl acetate

Concen: 54.390 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Tgt Ion: 43 Resp: 496998

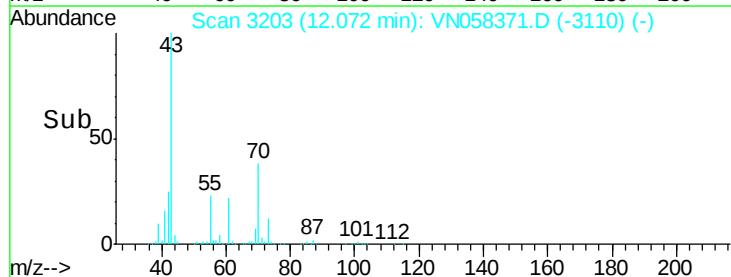
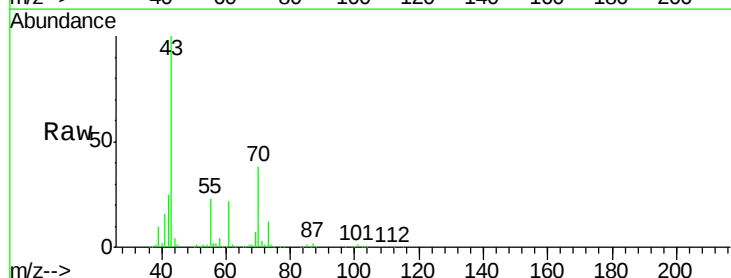
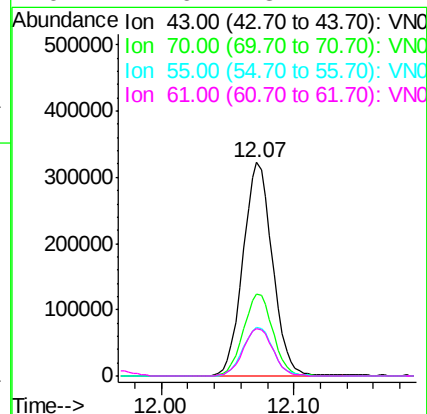
Ion Ratio Lower Upper

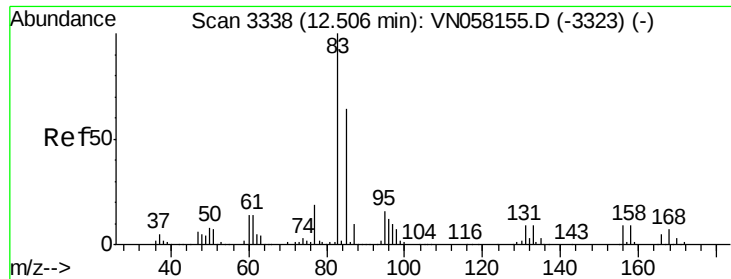
43 100

70 38.7 31.0 46.6

55 23.5 18.5 27.7

61 22.6 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.230 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

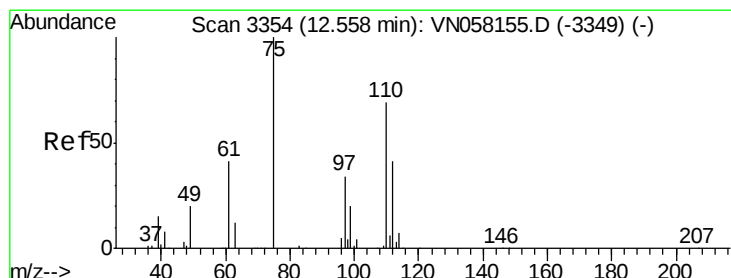
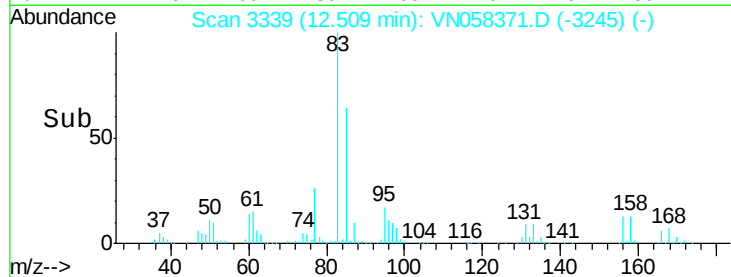
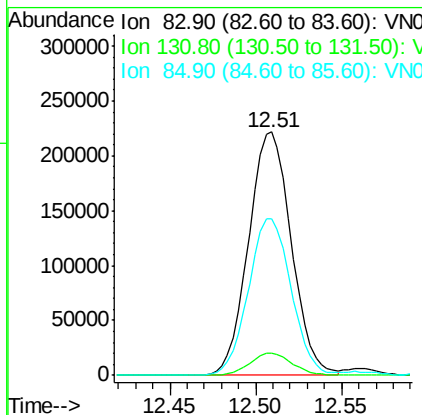
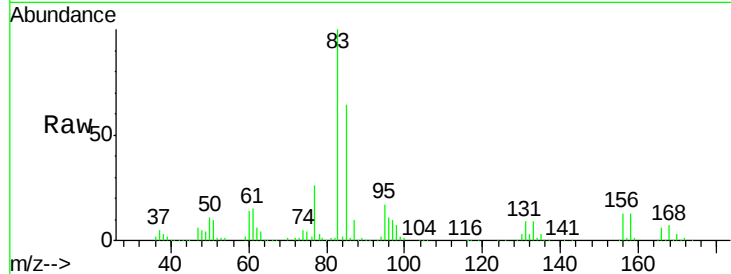
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	382042
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.3
85	64.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.568 ug/l m

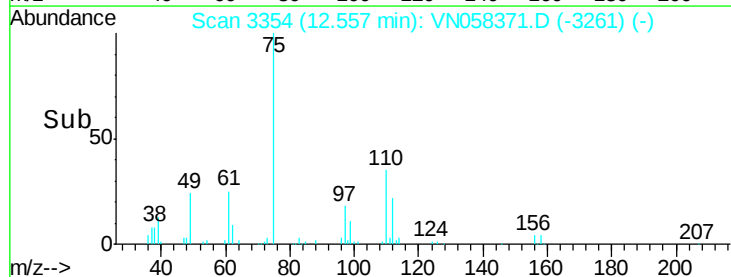
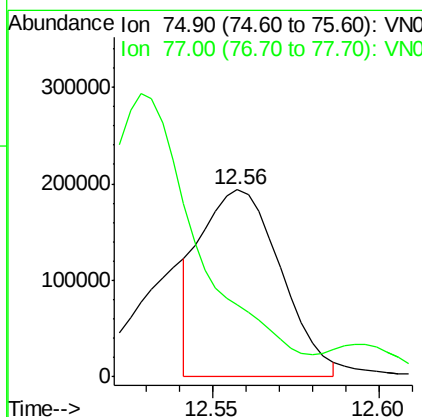
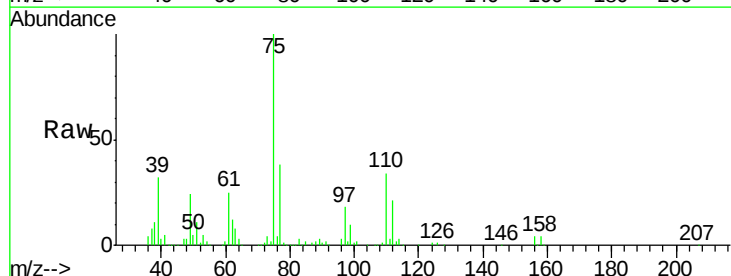
RT: 12.56 min Scan# 3354

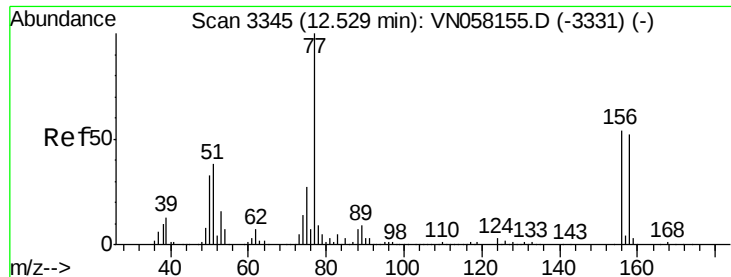
Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Tgt Ion:	75	Resp:	322061
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.809 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

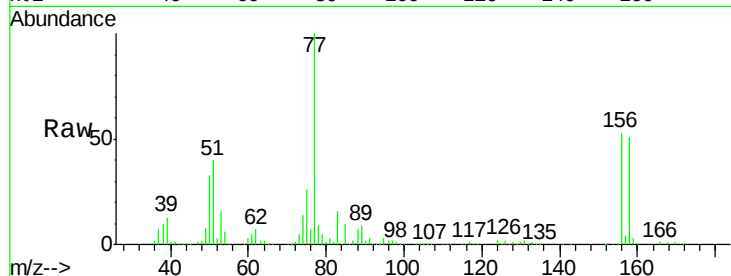
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	262682
Ion Ratio	Lower	Upper	
156	100		
77	228.1	111.7	335.1
158	96.3	47.9	143.8

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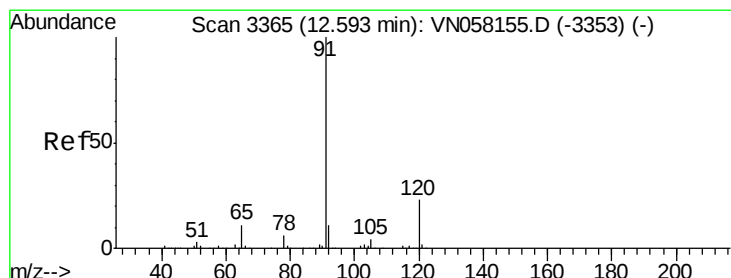
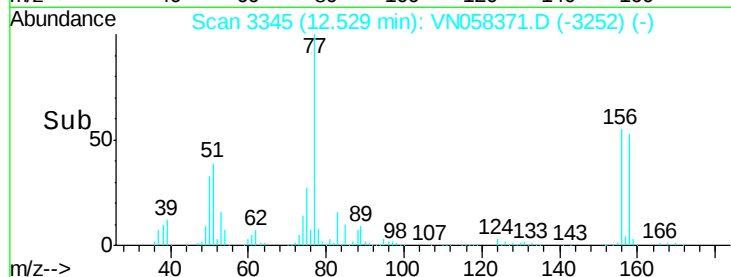
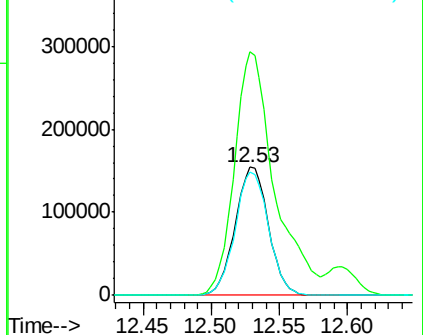
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.128 ug/l

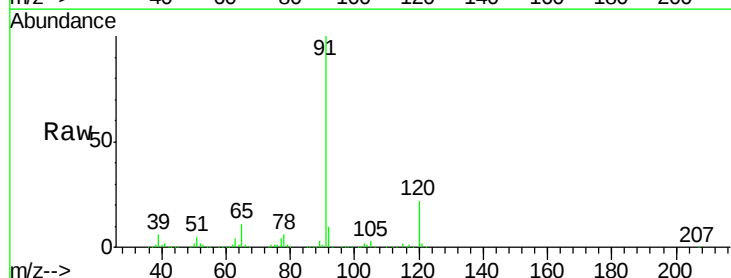
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058371.D

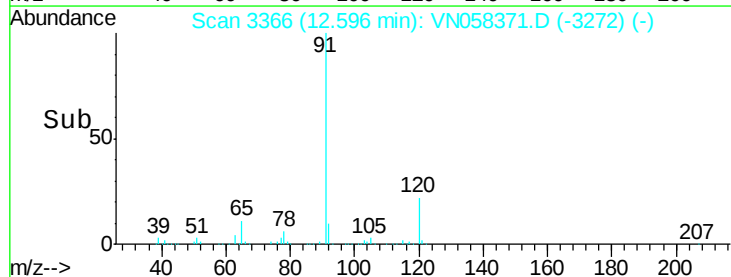
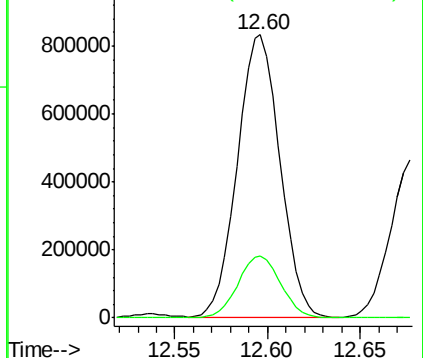
Acq: 26 Sep 2019 9:28

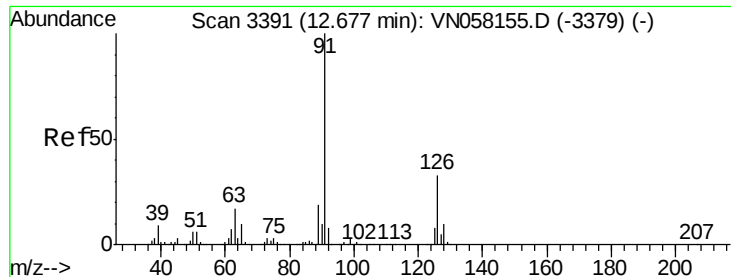
Tgt Ion:	91	Resp:	1318703
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.660 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 785854

Ion Ratio Lower Upper

91 100

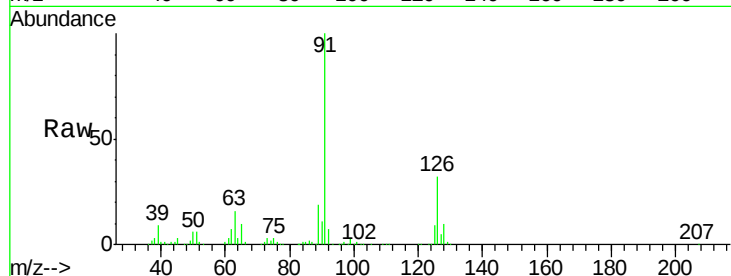
126 32.2 16.4 49.1

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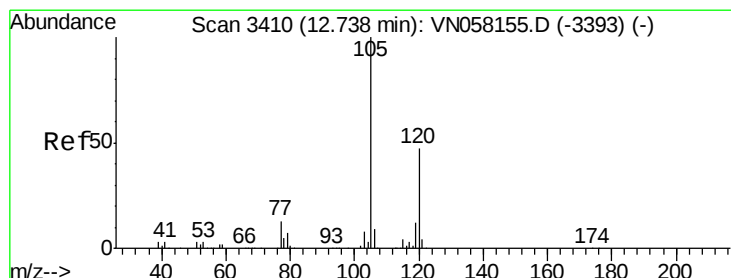
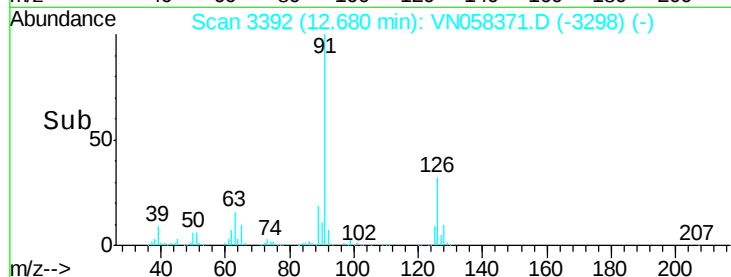
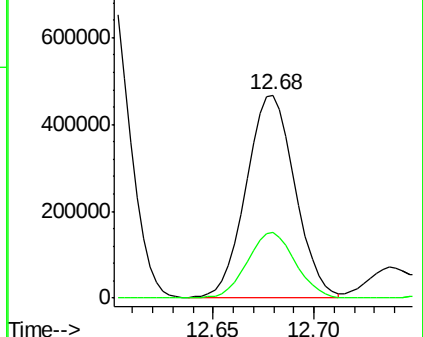
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Abundance Ion 91.00 (90.70 to 91.70): VN058371.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058371.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.581 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058371.D

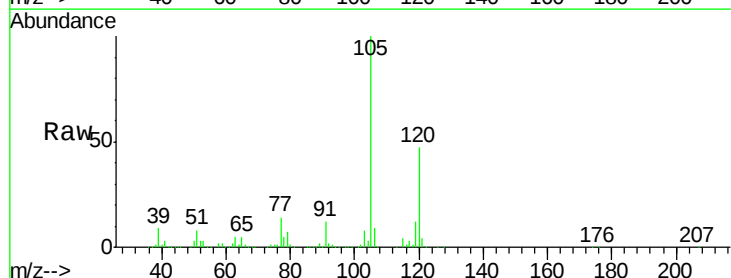
Acq: 26 Sep 2019 9:28

Tgt Ion: 105 Resp: 971201

Ion Ratio Lower Upper

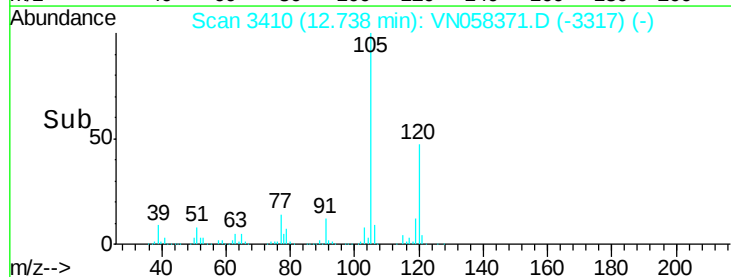
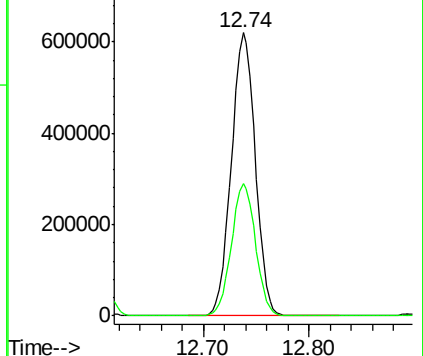
105 100

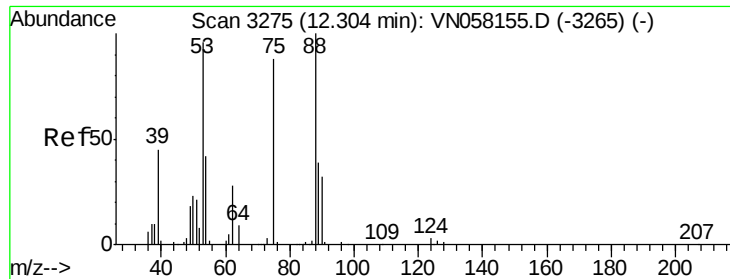
120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058371.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058371.D (-3410) (-)





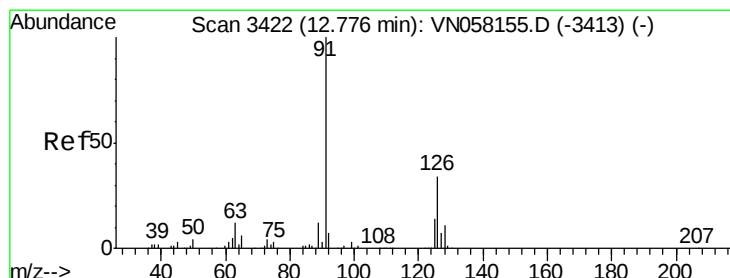
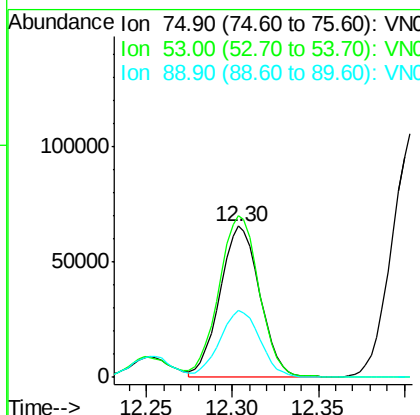
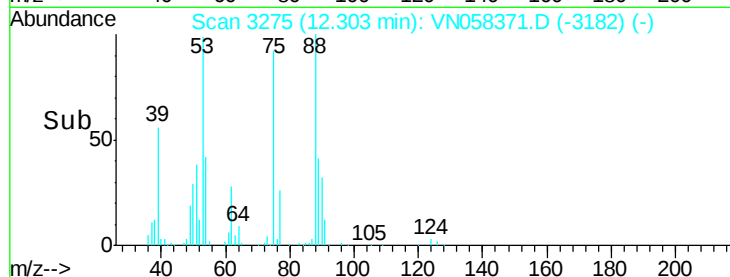
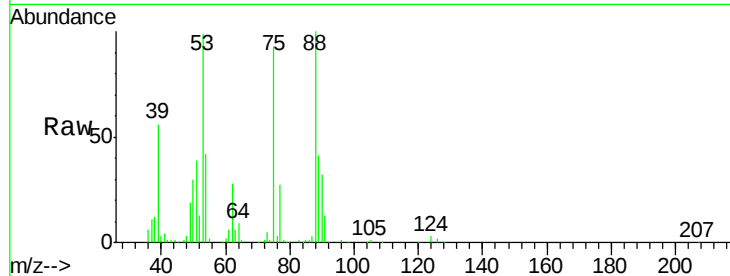
#81
trans-1,4-Dichloro-2-butene
Concen: 50.147 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.0	90.1	135.1
89	45.3	36.2	54.2

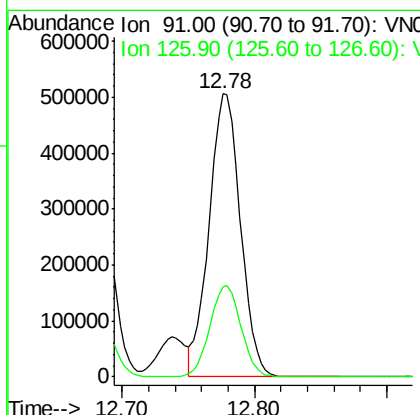
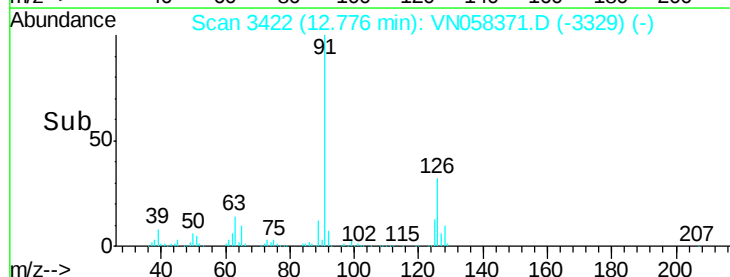
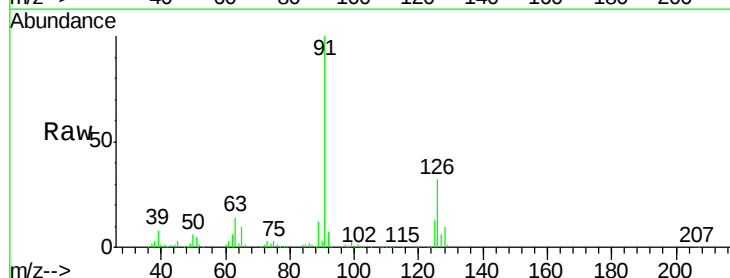
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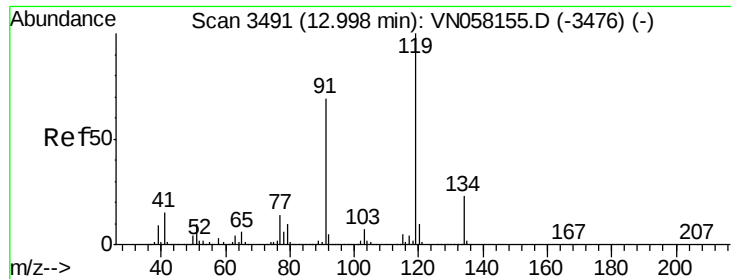
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#82
4-Chlorotoluene
Concen: 50.792 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1





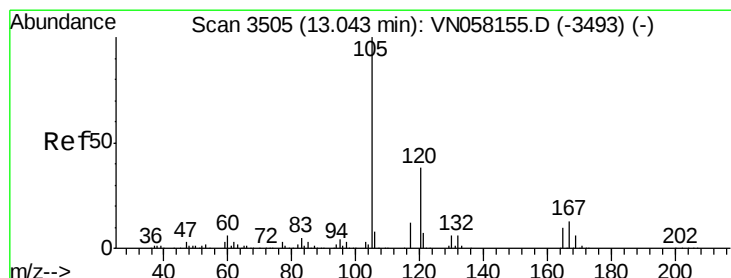
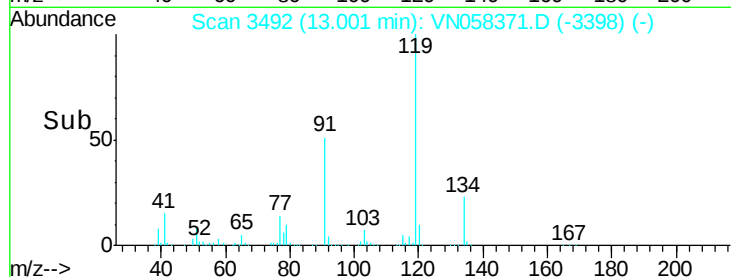
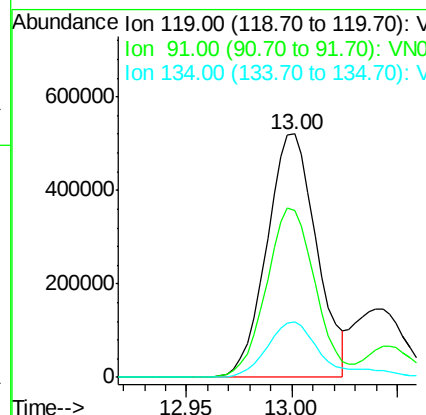
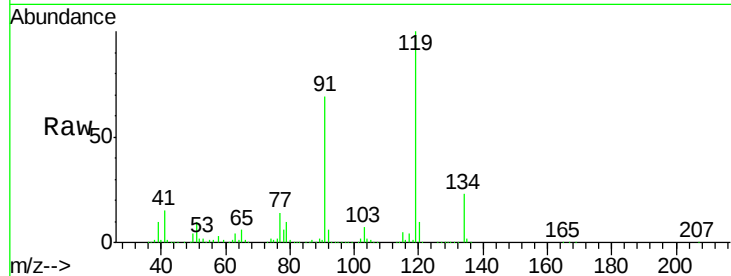
#83
tert-Butylbenzene
Concen: 51.774 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.8	101.3
134	25.5	11.6	34.8

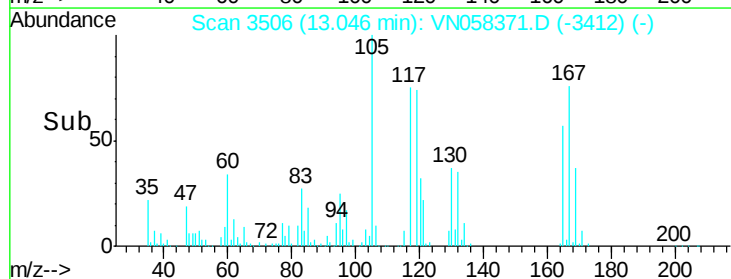
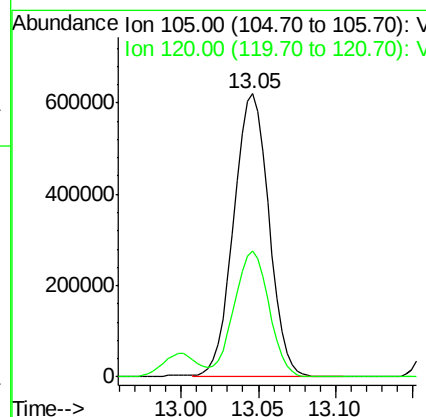
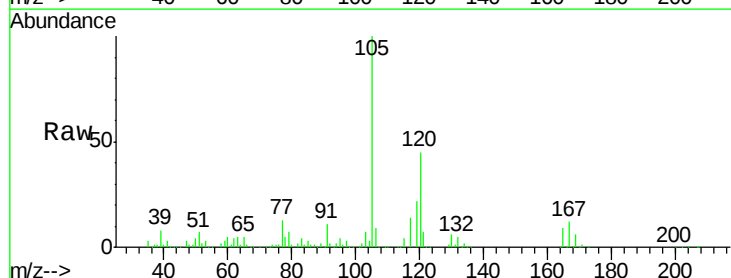
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#84
1,2,4-Trimethylbenzene
Concen: 53.095 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 54.779 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1179928

Ion Ratio Lower Upper

105 100

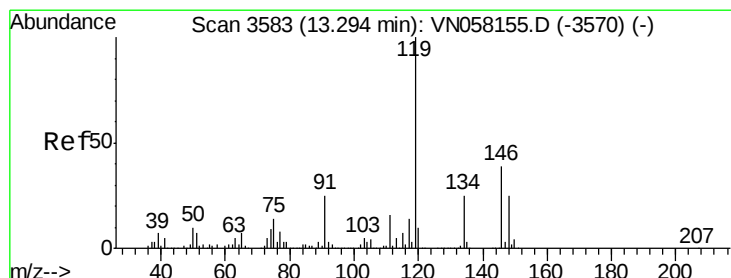
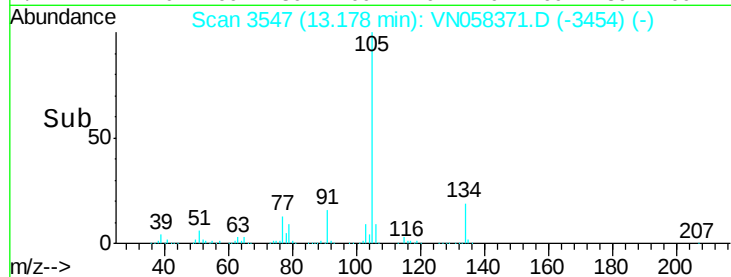
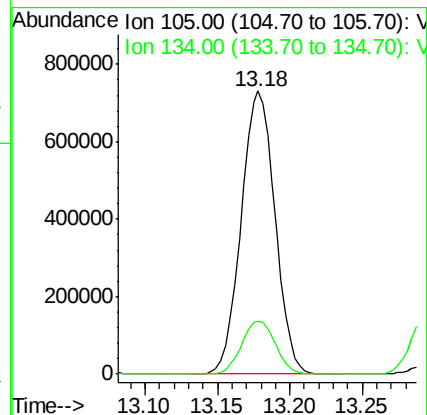
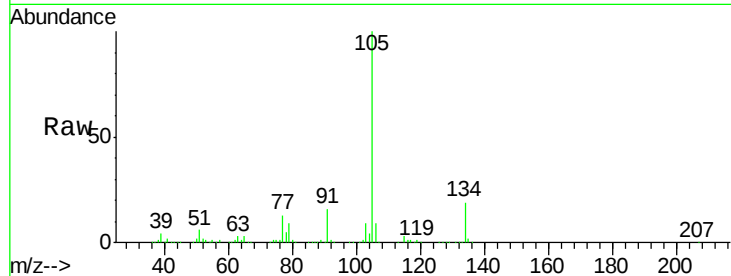
134 18.9 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.907 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

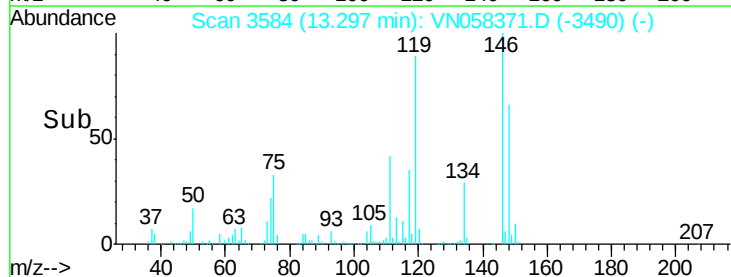
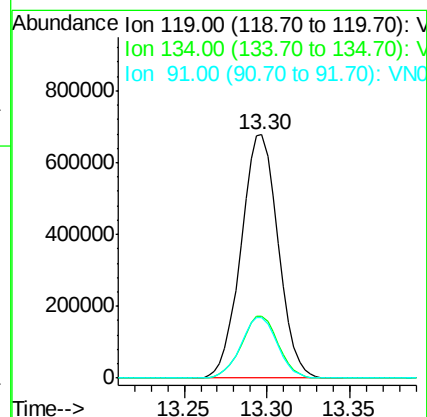
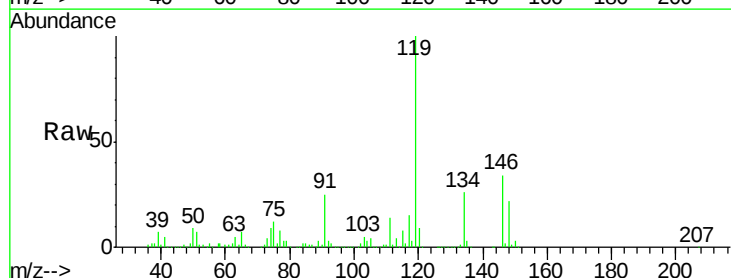
Tgt Ion:119 Resp: 1051413

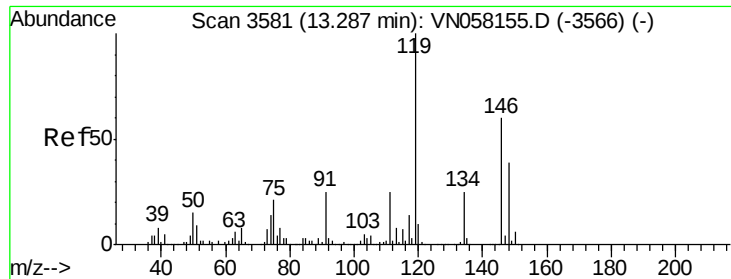
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.0

91 24.6 12.3 36.8





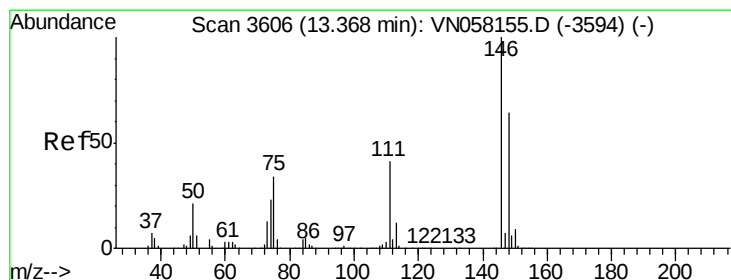
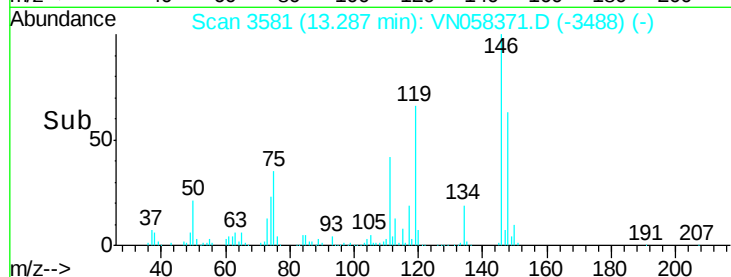
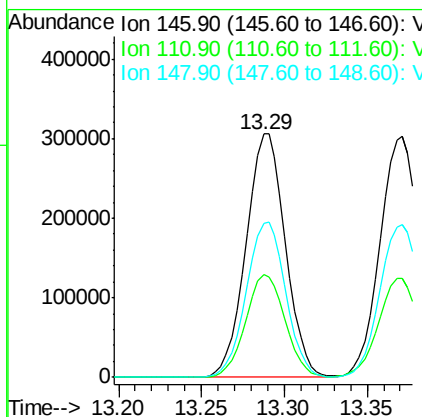
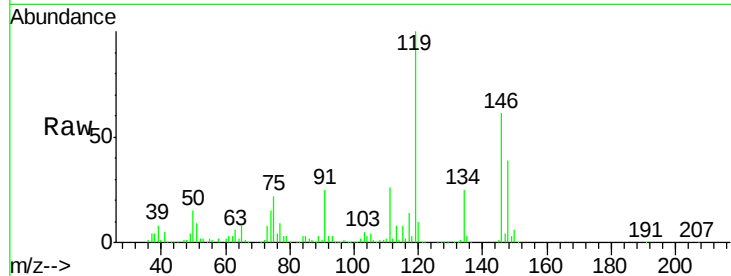
#87
 1,3-Dichlorobenzene
 Concen: 50.308 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.5	20.9	62.8	
148	64.1	32.0	96.2	

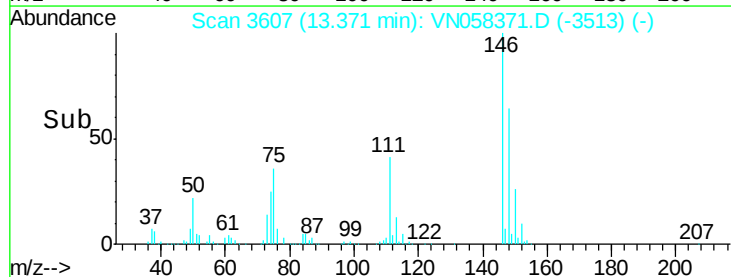
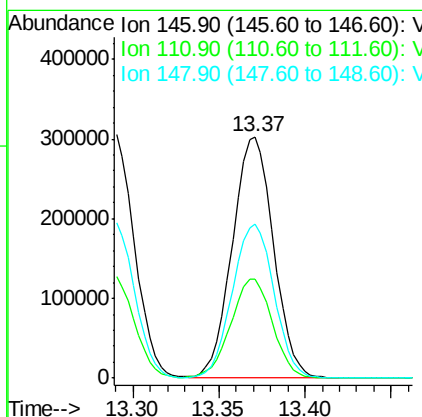
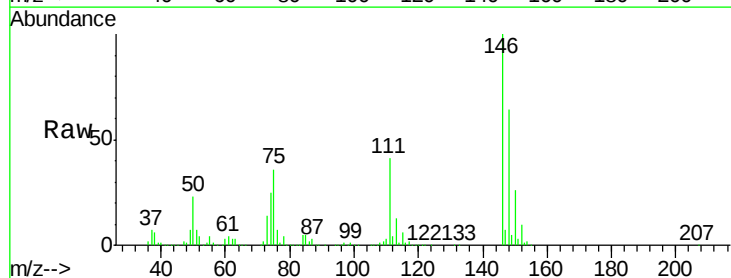
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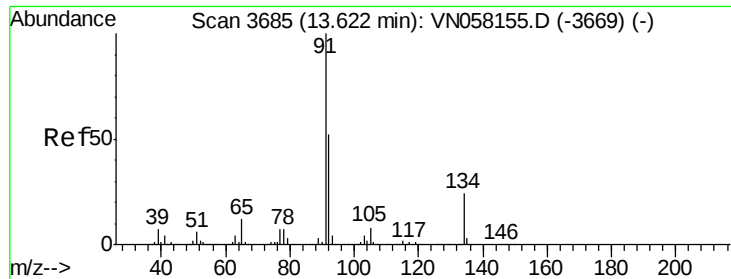
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#88
 1,4-Dichlorobenzene
 Concen: 48.929 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.8	20.5	61.5	
148	64.7	31.9	95.5	





#89

n-Butylbenzene

Concen: 53.688 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

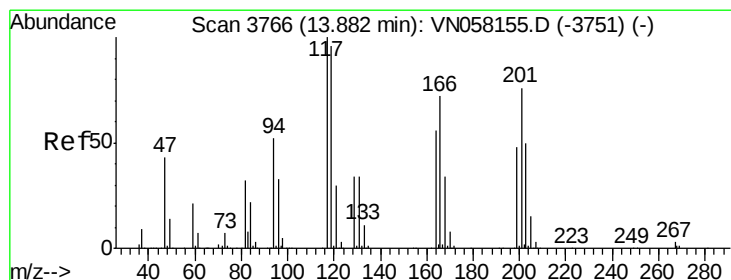
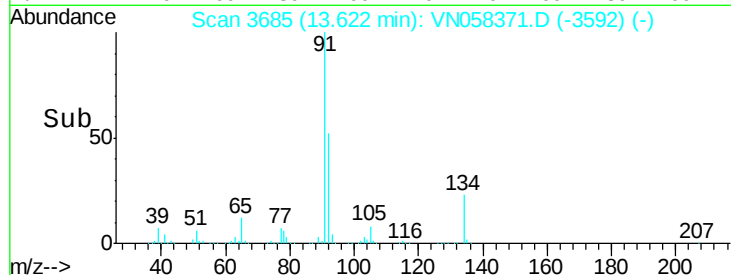
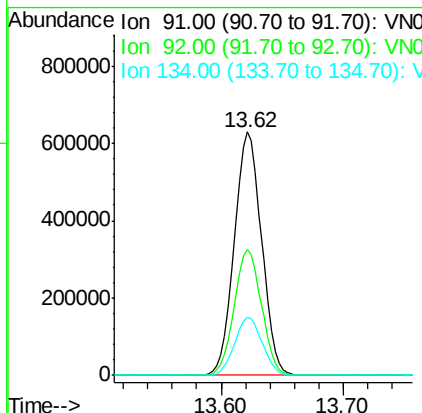
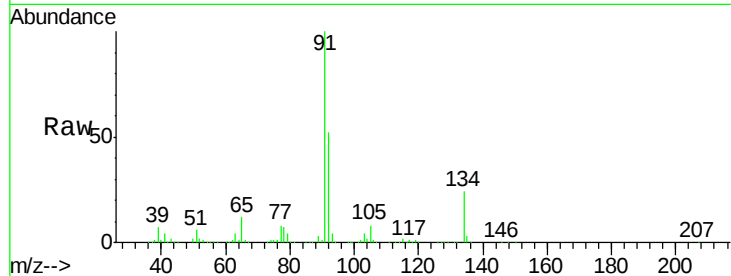
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	974693
Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.0
134	24.2	11.8	35.4

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#90

Hexachloroethane

Concen: 51.654 ug/l

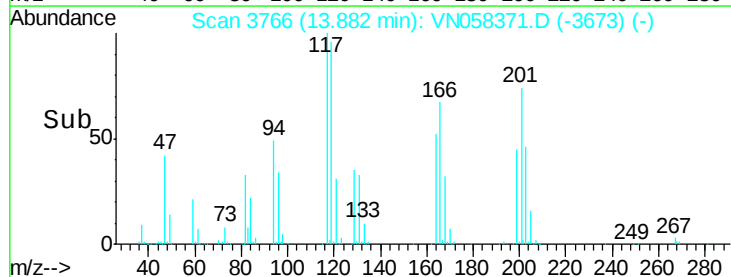
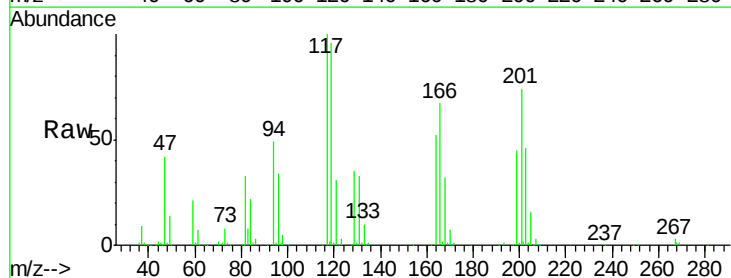
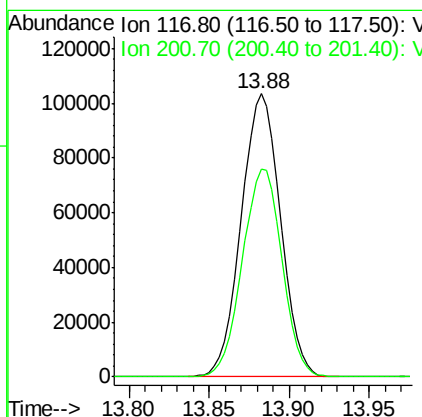
RT: 13.88 min Scan# 3766

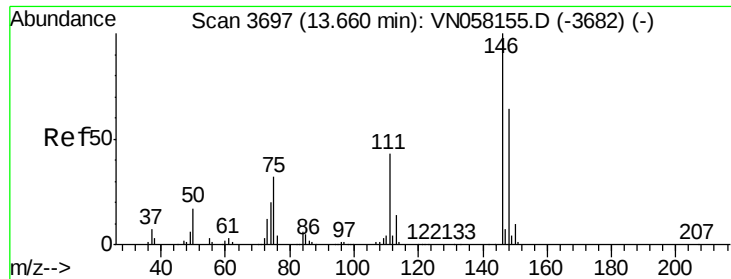
Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Tgt Ion:	117	Resp:	173781
Ion	Ratio	Lower	Upper
117	100		
201	74.1	37.5	112.5





#91

1,2-Dichlorobenzene

Concen: 50.549 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Instrument :

MSVOA_N

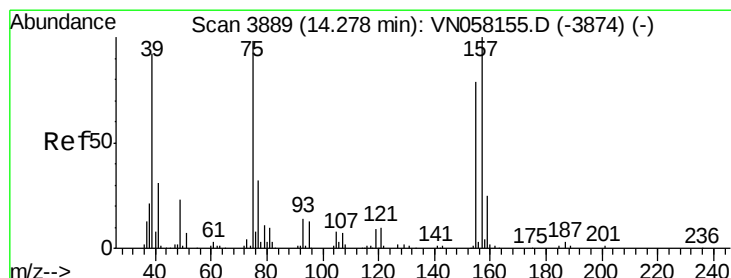
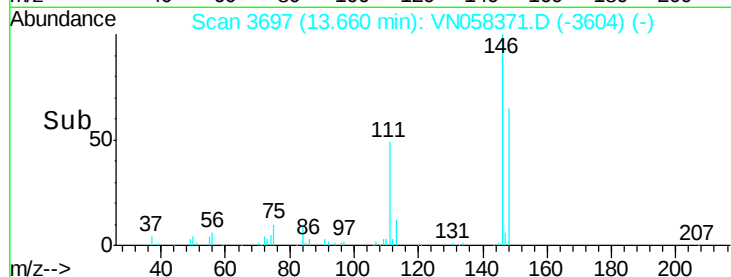
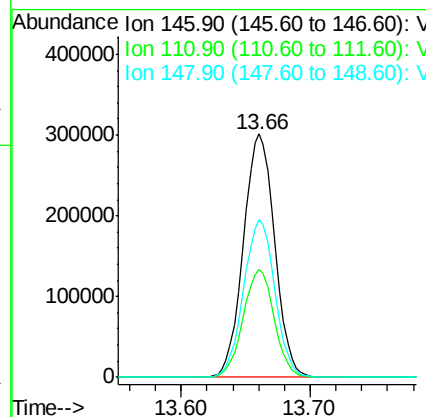
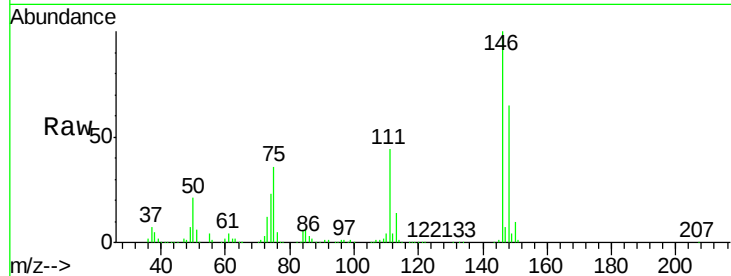
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	508863
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.1	63.1
148	64.8	31.8	95.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 55.115 ug/l

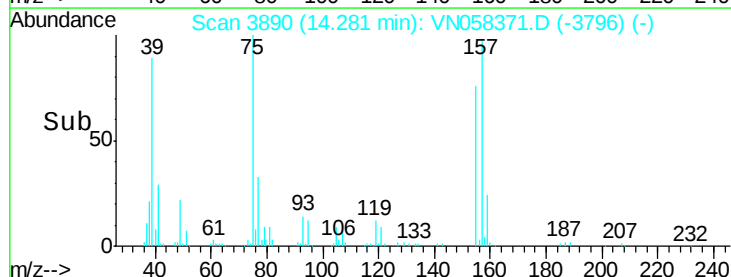
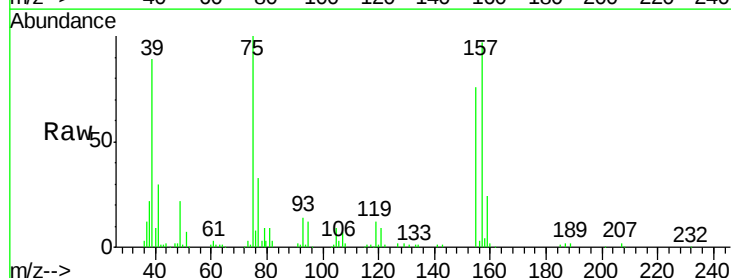
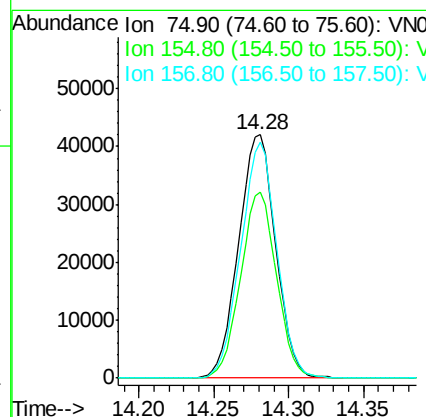
RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058371.D

Acq: 26 Sep 2019 9:28

Tgt Ion:	75	Resp:	72579
Ion Ratio	Lower	Upper	
75	100		
155	74.0	38.3	114.8
157	94.1	48.0	144.0





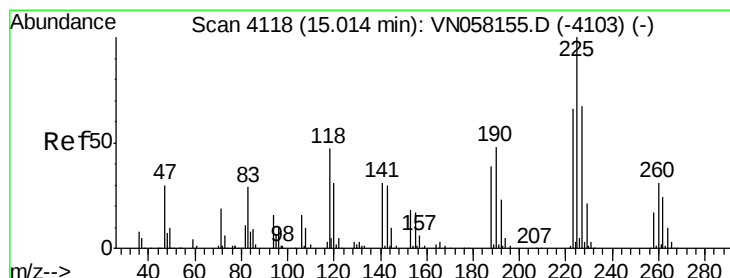
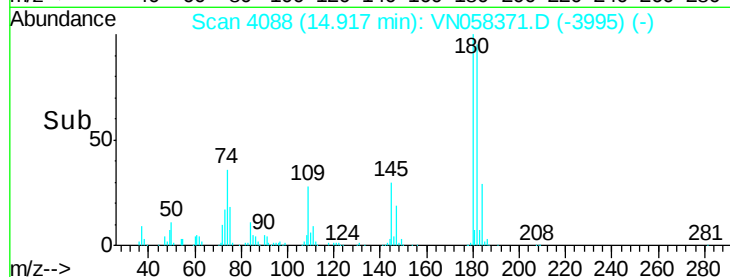
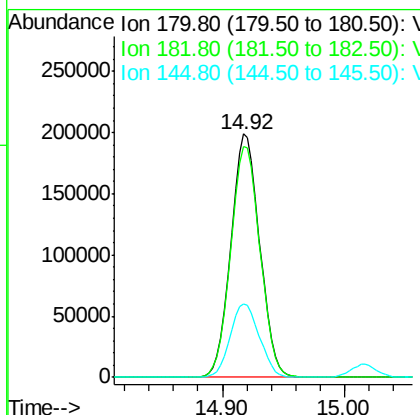
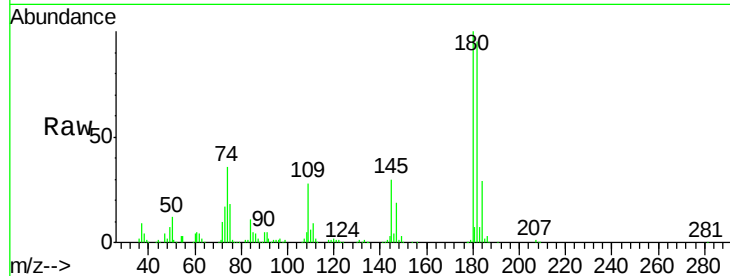
#93
 1,2,4-Trichlorobenzene
 Concen: 50.681 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	47.8	143.3	
145	30.7	15.4	46.4	

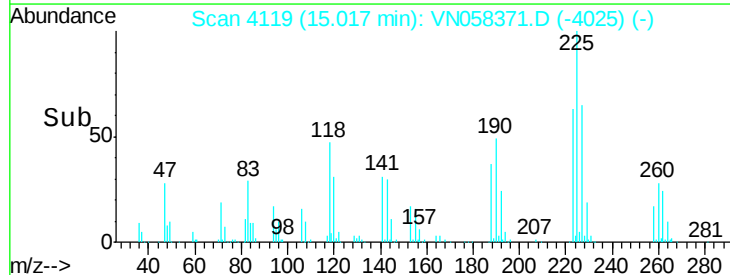
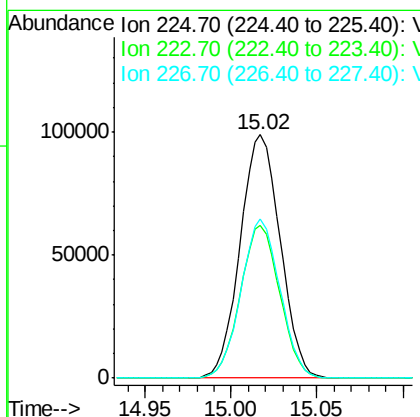
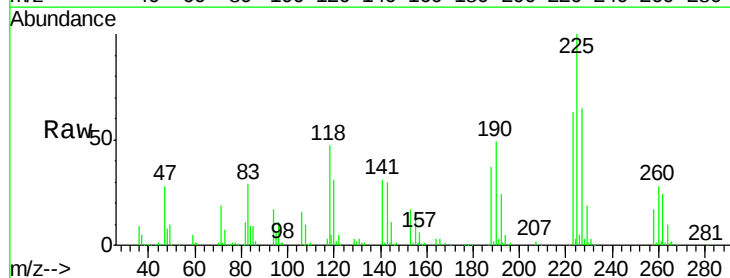
Manual Integrations
 APPROVED

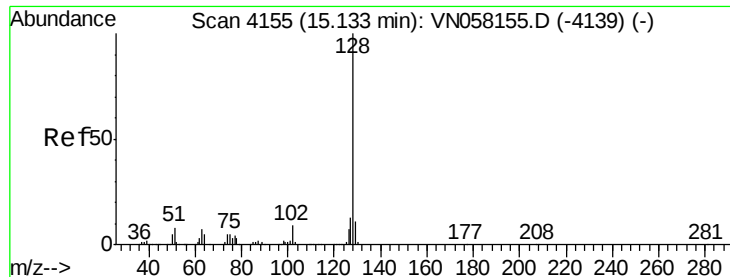
MMDadoda
 9/27/2019 11:18:56 AM



#94
 Hexachlorobutadiene
 Concen: 51.409 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058371.D
 Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	32.6	97.7	
227	63.6	33.0	99.0	





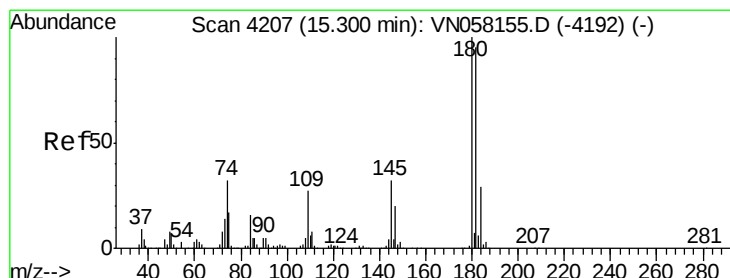
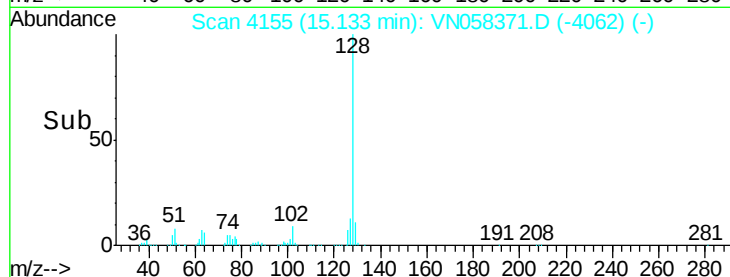
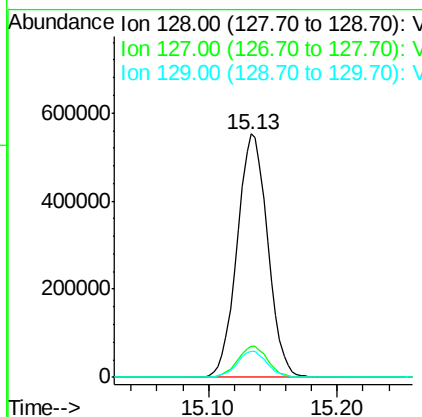
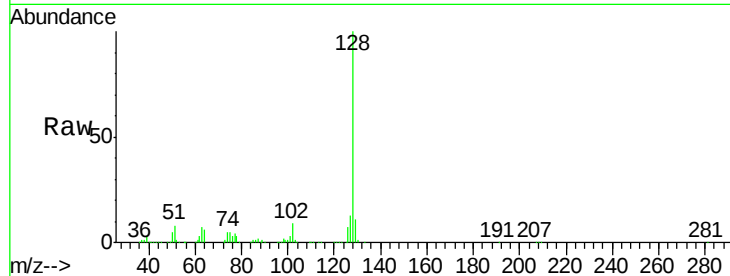
#95
Naphthalene
Concen: 54.559 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	909414		
127	12.8		10.2	15.2
129	10.6		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2019 11:18:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.444 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058371.D
Acq: 26 Sep 2019 9:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	312740		
182	95.4		47.4	142.2
145	32.0		16.1	48.2

