

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059073.D
 Acq On : 4 Nov 2019 9:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 1:59:58 PM

Quant Time: Nov 05 01:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	500041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	777686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	707491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	343102	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	284314	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	
35) Dibromofluoromethane	7.56	113	220469	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	
50) Toluene-d8	10.08	98	880288	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
62) 4-Bromofluorobenzene	12.40	95	318804	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	256552	47.453	ug/l	98
3) Chloromethane	2.04	50	339081	46.254	ug/l	100
4) Vinyl Chloride	2.17	62	338386	47.554	ug/l	98
5) Bromomethane	2.54	94	189173	44.967	ug/l	100
6) Chloroethane	2.68	64	199294	45.731	ug/l	100
7) Trichlorofluoromethane	3.00	101	395470	46.770	ug/l	100
8) Diethyl Ether	3.38	74	160210	48.518	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	237257	47.604	ug/l	99
10) Methyl Iodide	3.92	142	297838	49.167	ug/l	99
11) Tert butyl alcohol	4.75	59	267602	218.333	ug/l	98
12) 1,1-Dichloroethene	3.71	96	234422	47.295	ug/l	99
13) Acrolein	3.58	56	171997	222.394	ug/l	98
14) Allyl chloride	4.29	41	471768	48.033	ug/l	99
15) Acrylonitrile	4.95	53	723572	235.338	ug/l	99
16) Acetone	3.79	43	906652	270.426	ug/l	100
17) Carbon Disulfide	4.02	76	726723	46.118	ug/l	100
18) Methyl Acetate	4.29	43	368209	43.352	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	813127	48.166	ug/l	99
20) Methylene Chloride	4.52	84	270386	46.068	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	251487	47.262	ug/l	98
22) Diisopropyl ether	5.92	45	927747	49.591	ug/l	99
23) Vinyl Acetate	5.86	43	3837193	257.524	ug/l	100
24) 1,1-Dichloroethane	5.81	63	502418	46.974	ug/l	100
25) 2-Butanone	6.80	43	1077595	241.383	ug/l	99
26) 2,2-Dichloropropane	6.79	77	432582	46.596	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	290405	48.469	ug/l	99
28) Bromochloromethane	7.17	49	137697	41.714	ug/l	99
29) Tetrahydrofuran	7.18	42	648769	230.271	ug/l	100
30) Chloroform	7.35	83	480757	47.005	ug/l	98
31) Cyclohexane	7.63	56	466742	45.751	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	410970	47.493	ug/l	99
36) 1,1-Dichloropropene	7.77	75	378999	49.034	ug/l	99
37) Ethyl Acetate	6.90	43	401290	46.727	ug/l	99
38) Carbon Tetrachloride	7.75	117	365251	48.488	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	443217	49.611	ug/l	98
40) Benzene	8.02	78	1116514	48.675	ug/l	99
41) Methacrylonitrile	7.15	41	193359m	52.069	ug/l	
42) 1,2-Dichloroethane	8.10	62	384081	48.213	ug/l	99
43) Isopropyl Acetate	8.14	43	634089	47.214	ug/l	98
44) Trichloroethene	8.82	130	274311	48.604	ug/l	96
45) 1,2-Dichloropropane	9.10	63	303950	48.996	ug/l	99
46) Dibromomethane	9.19	93	184221	48.049	ug/l	99
47) Bromodichloromethane	9.39	83	378533	48.750	ug/l	100
48) Methyl methacrylate	9.18	41	294418	48.079	ug/l	99
49) 1,4-Dioxane	9.18	88	103079	1031.931	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1970819	252.612	ug/l	99
52) Toluene	10.14	92	679647	50.567	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	441364	49.157	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	480075	50.692	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	263582	48.142	ug/l	99
56) Ethyl methacrylate	10.42	69	420027	45.399	ug/l	99
57) 1,3-Dichloropropane	10.70	76	469484	49.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	831177	231.559	ug/l	100
59) 2-Hexanone	10.74	43	1527211	257.671	ug/l	100
60) Dibromochloromethane	10.90	129	287596	48.741	ug/l	98
61) 1,2-Dibromoethane	11.00	107	272340	49.101	ug/l	100
64) Tetrachloroethene	10.62	164	238062	48.170	ug/l	99
65) Chlorobenzene	11.43	112	711042	48.968	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	261846	49.014	ug/l	99
67) Ethyl Benzene	11.51	91	1303126	51.842	ug/l	100
68) m/p-Xylenes	11.62	106	971261	103.476	ug/l	100
69) o-Xylene	11.95	106	462737	51.627	ug/l	99
70) Styrene	11.96	104	767618	52.849	ug/l	100
71) Bromoform	12.13	173	206529	49.945	ug/l	98
73) Isopropylbenzene	12.25	105	1253801	49.673	ug/l	100
74) N-amyl acetate	12.07	43	542404	48.308	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	400542	44.547	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	356372m	43.893	ug/l	
77) Bromobenzene	12.53	156	299962	47.528	ug/l	99
78) n-propylbenzene	12.59	91	1490492	50.985	ug/l	100
79) 2-Chlorotoluene	12.67	91	879250	48.437	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1079590	50.325	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	148684	46.945	ug/l	98
82) 4-Chlorotoluene	12.77	91	913383	49.303	ug/l	100
83) tert-Butylbenzene	12.99	119	895154	49.121	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1075264	51.585	ug/l	100
85) sec-Butylbenzene	13.17	105	1222791	51.197	ug/l	100
86) p-Isopropyltoluene	13.29	119	1107998	51.457	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	542538	48.382	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	537326	48.442	ug/l	100
89) n-Butylbenzene	13.62	91	991858	52.864	ug/l	99
90) Hexachloroethane	13.88	117	201500	47.076	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	528653	47.379	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82686	42.575	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	310499	51.594	ug/l	100
94) Hexachlorobutadiene	15.01	225	174938	48.434	ug/l	99
95) Naphthalene	15.13	128	843375	45.261	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	304195	49.665	ug/l	100

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

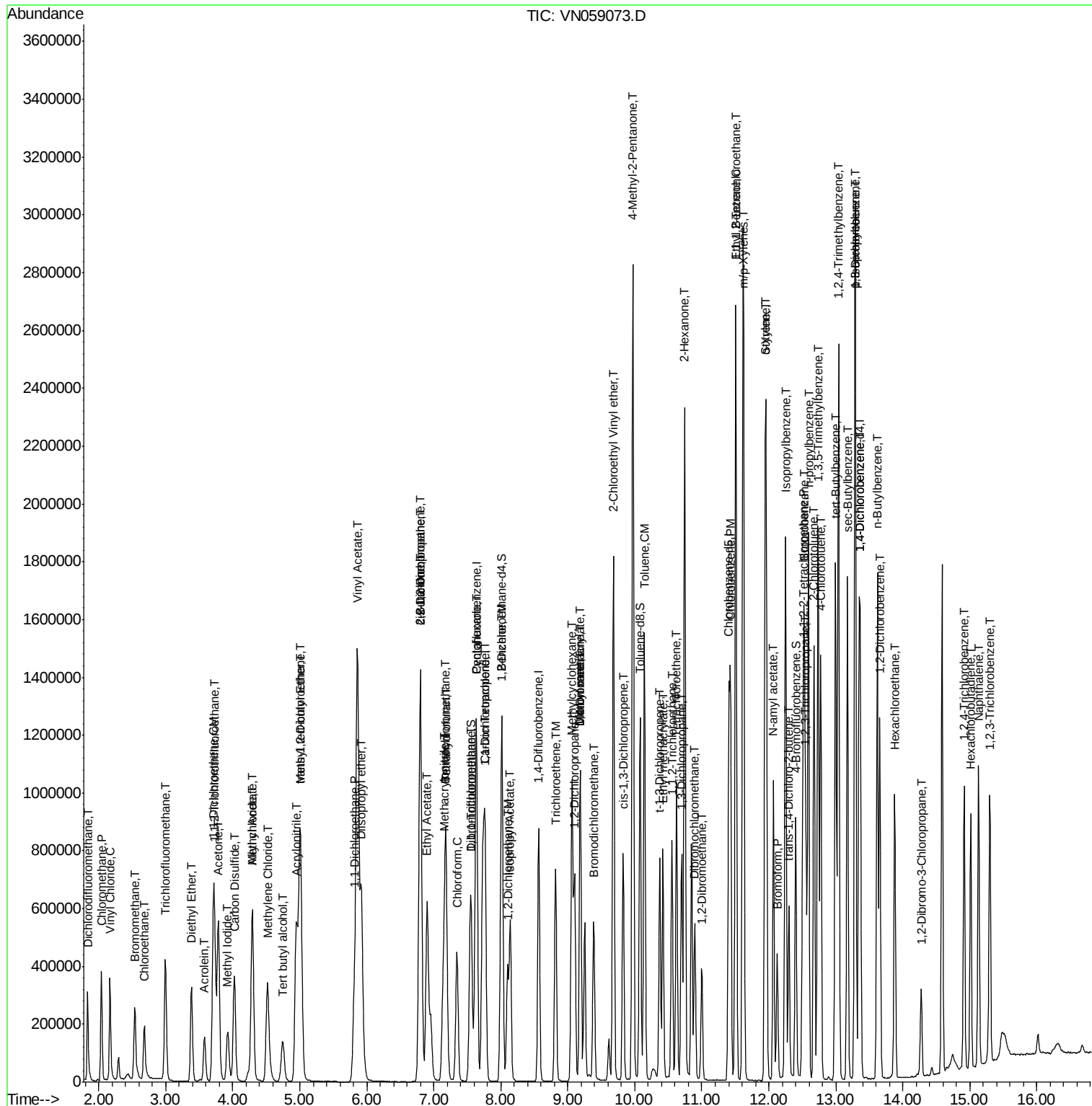
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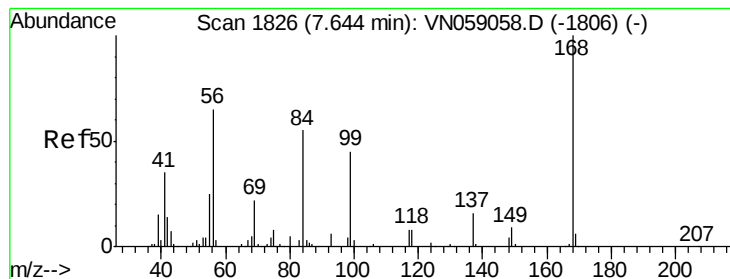
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

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Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 500041

Ion Ratio Lower Upper

168 100

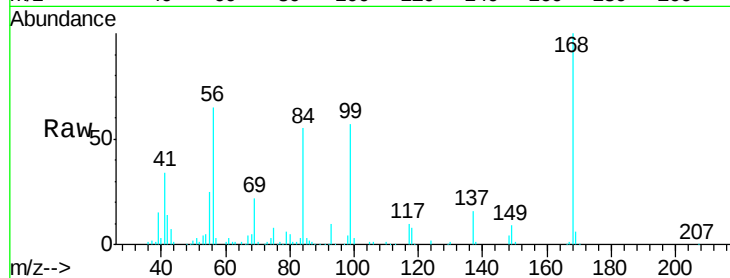
99 56.7 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

50000

0

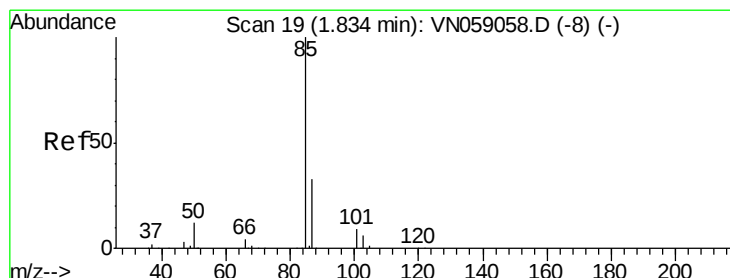
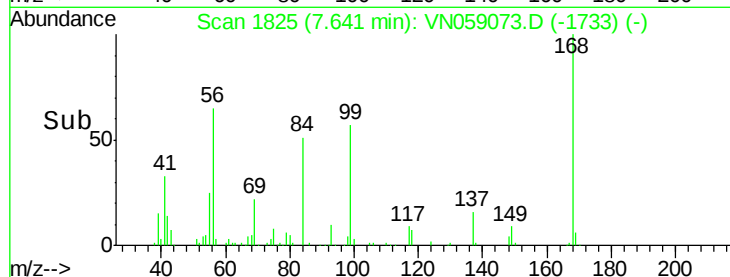
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.453 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059073.D

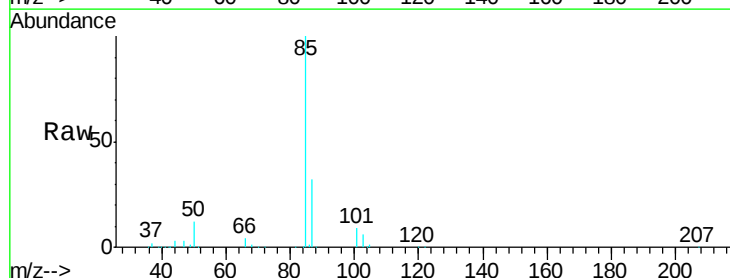
Acq: 4 Nov 2019 9:49

Tgt Ion: 85 Resp: 256552

Ion Ratio Lower Upper

85 100

87 31.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

100000

50000

0

1.75

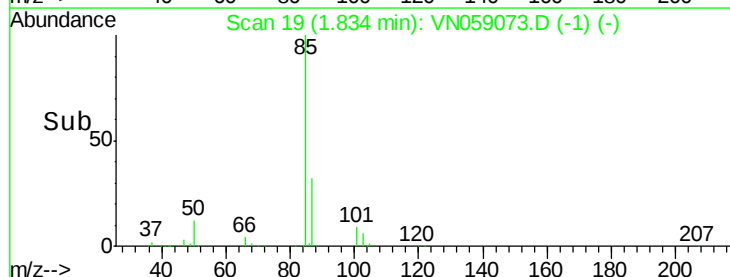
1.80

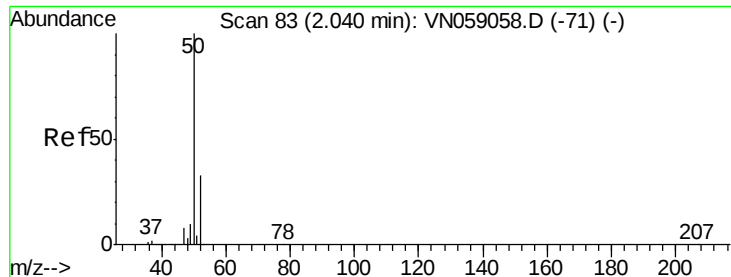
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 46.254 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 339081

Ion Ratio Lower Upper

50 100

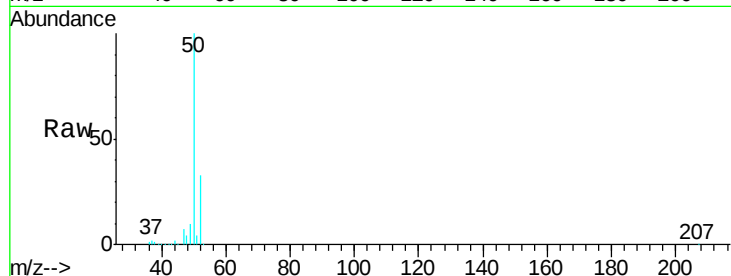
52 32.8 26.3 39.5

Manual Integrations

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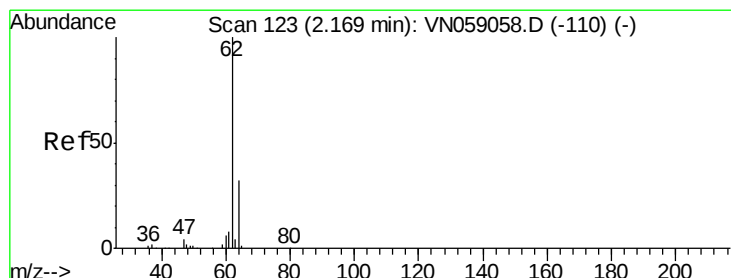
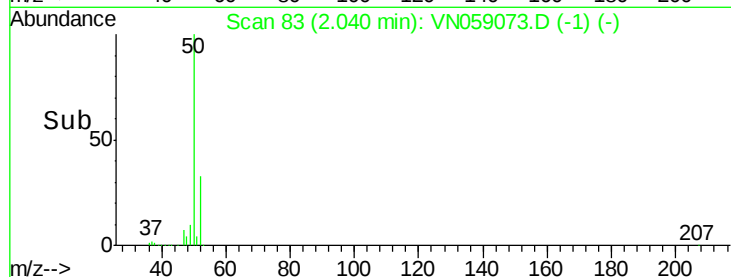
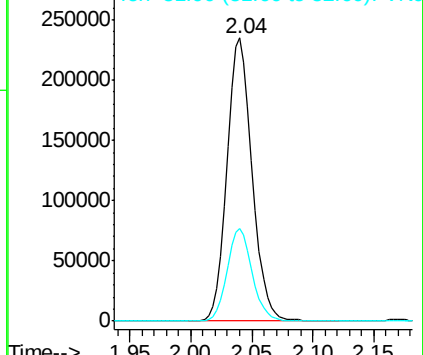
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 47.554 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059073.D

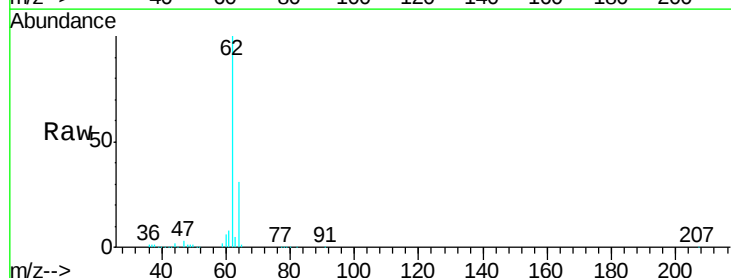
Acq: 4 Nov 2019 9:49

Tgt Ion: 62 Resp: 338386

Ion Ratio Lower Upper

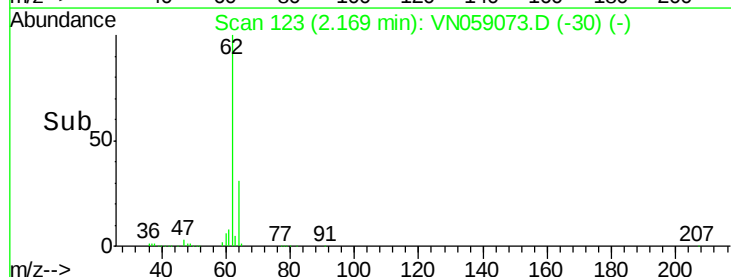
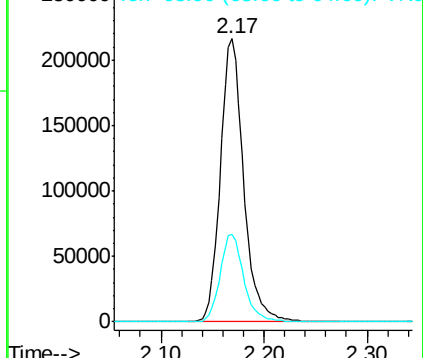
62 100

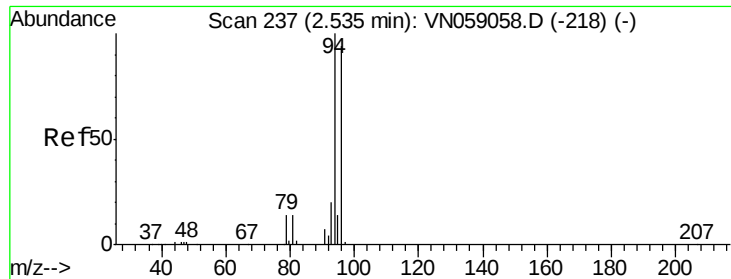
64 31.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.967 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

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Acq: 4 Nov 2019 9:49

Instrument :

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ClientSampleId :

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Tgt Ion: 94 Resp: 189173

Ion Ratio Lower Upper

94 100

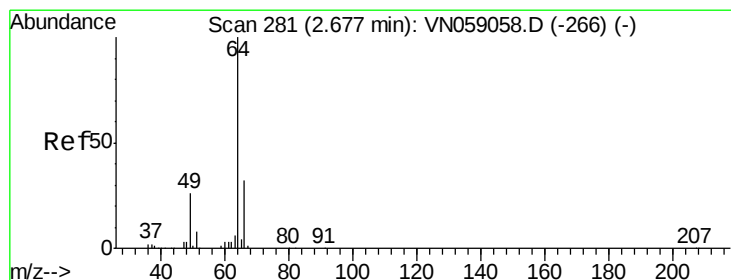
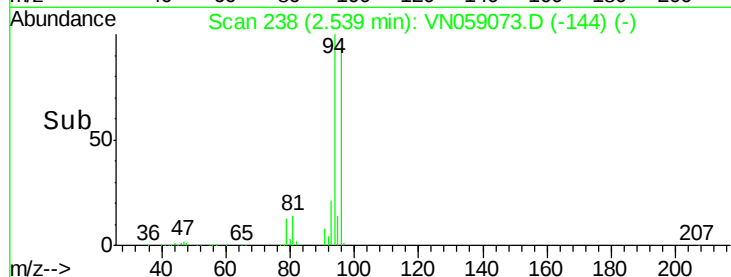
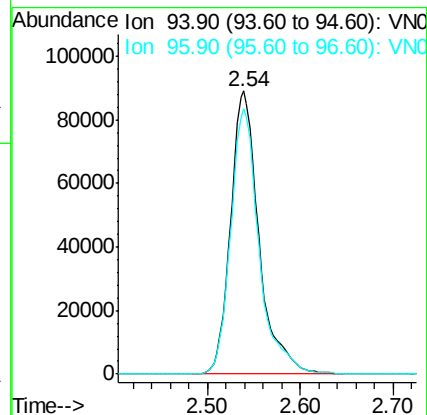
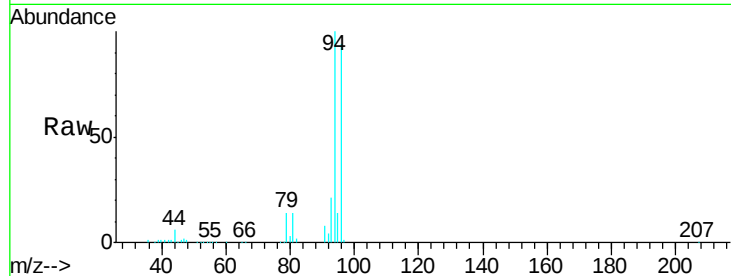
96 93.6 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 45.731 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059073.D

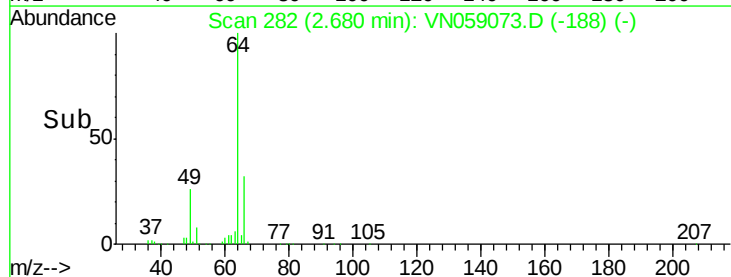
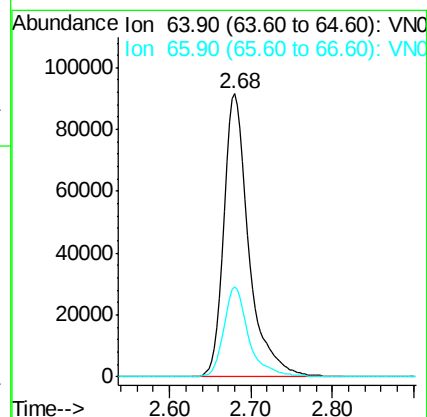
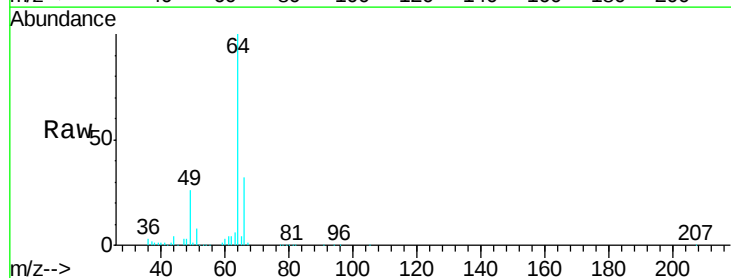
Acq: 4 Nov 2019 9:49

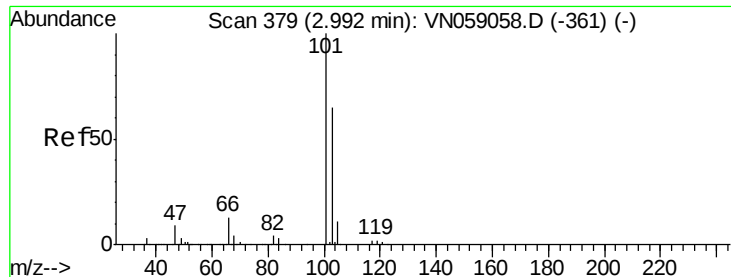
Tgt Ion: 64 Resp: 199294

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4





#7

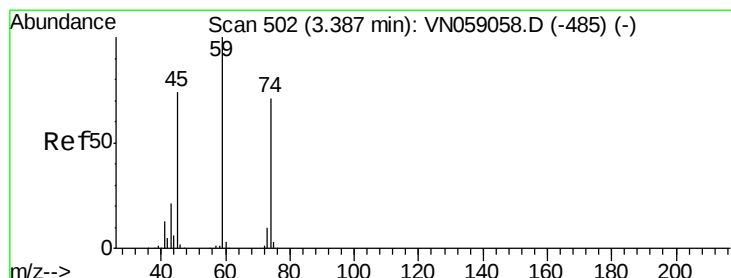
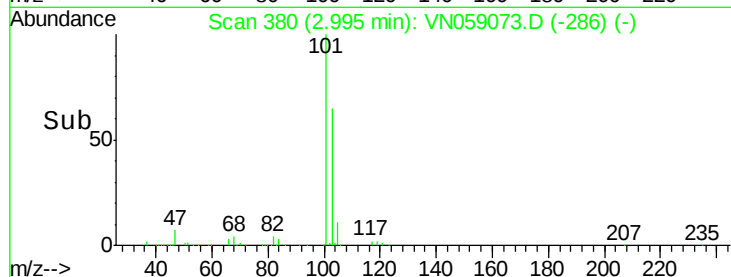
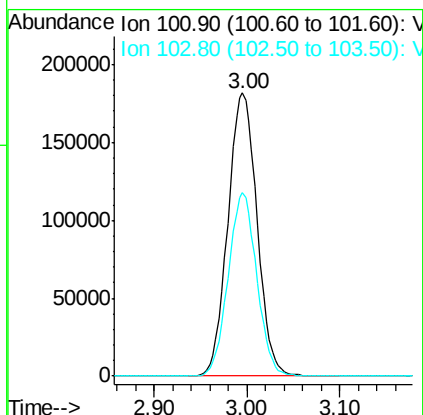
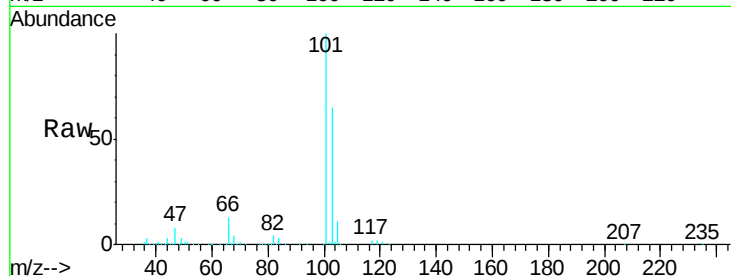
Trichlorofluoromethane
Concen: 46.770 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
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VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	395470		
103	64.9	51.7	77.5	

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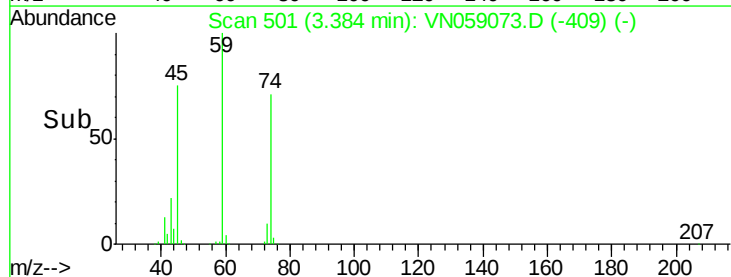
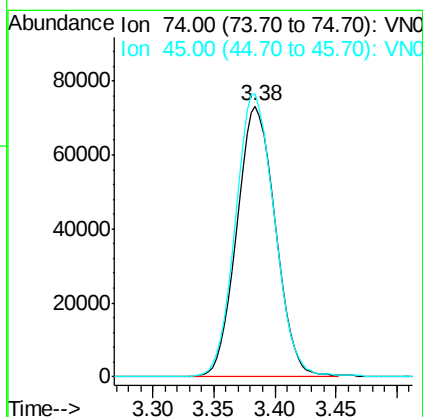
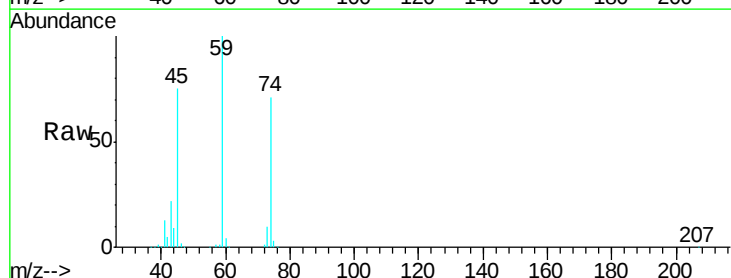
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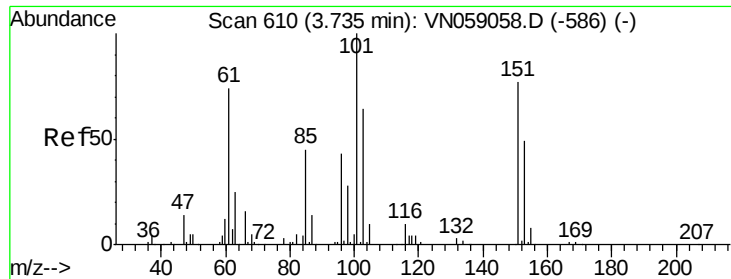


#8

Diethyl Ether
Concen: 48.518 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	160210		
45	106.2	52.8	158.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.604 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

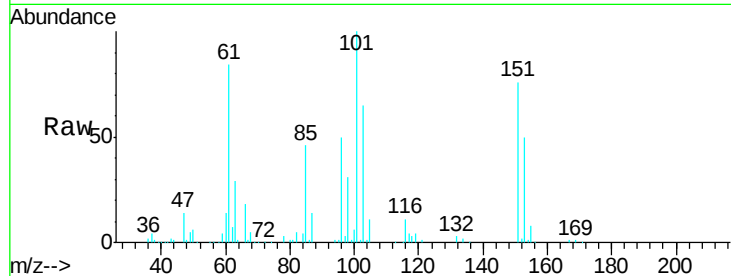
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	237257
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.0	52.6
151	76.4	61.3	91.9

Manual Integrations
APPROVED

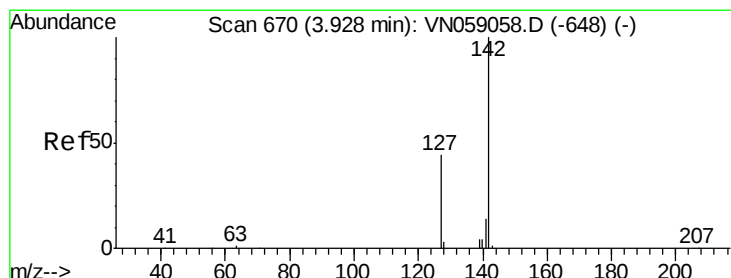
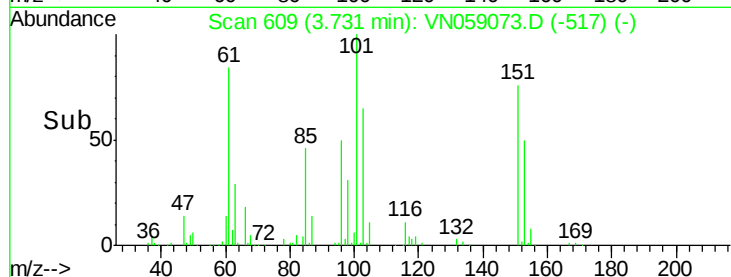
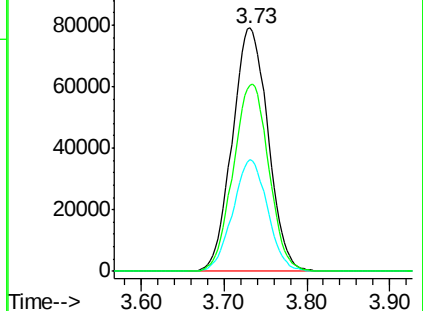
MMDadoda
11/5/2019 1:59:58 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.167 ug/l

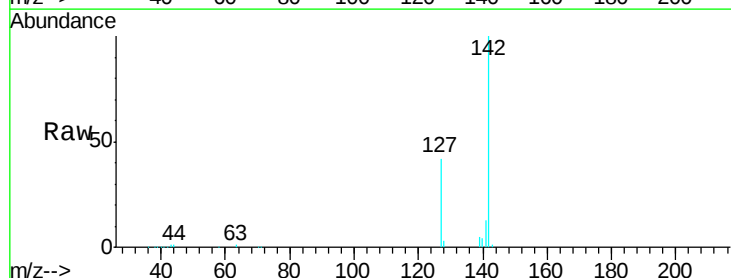
RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

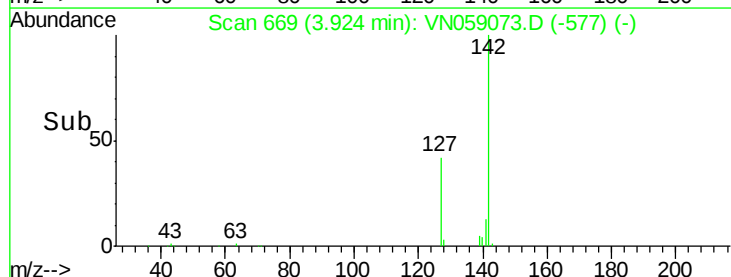
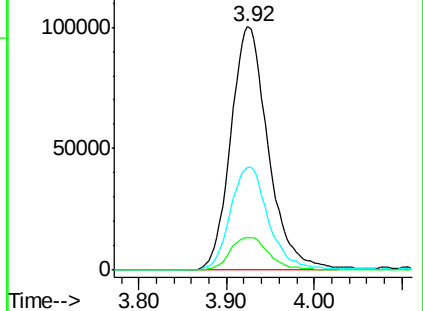
Tgt Ion:	142	Resp:	297838
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.2	51.2
141	14.1	11.1	16.7

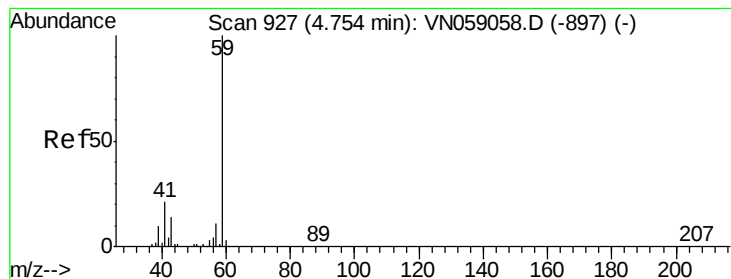


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

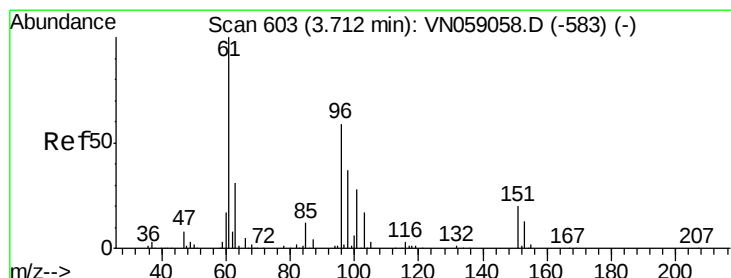
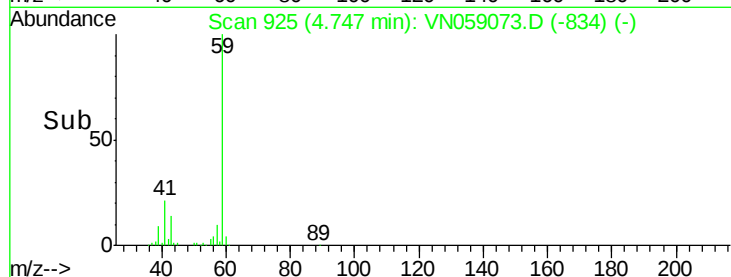
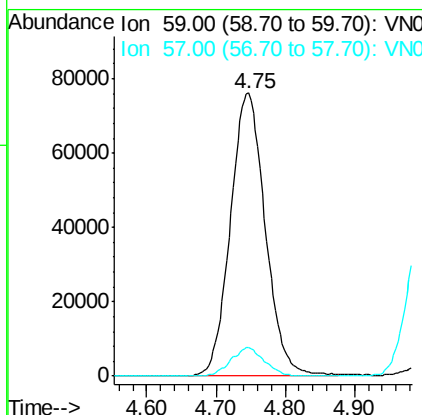
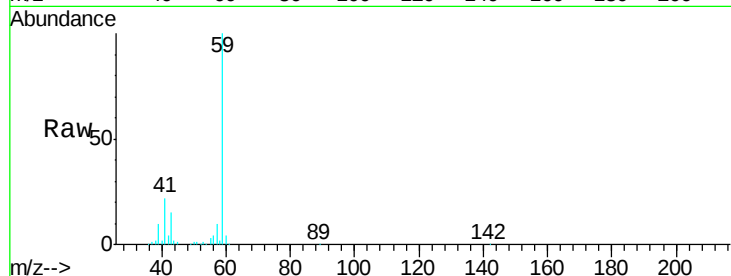
Tert butyl alcohol
Concen: 218.333 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	267602		
57	9.6	8.2	12.4	

Manual Integrations
APPROVED

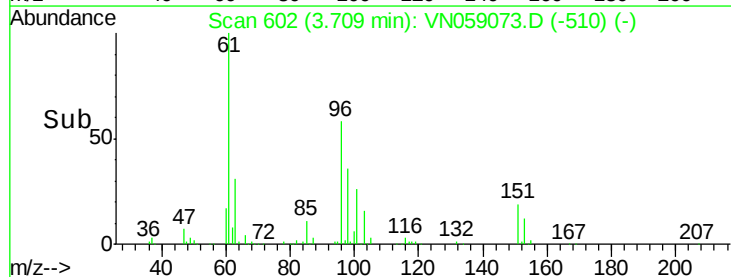
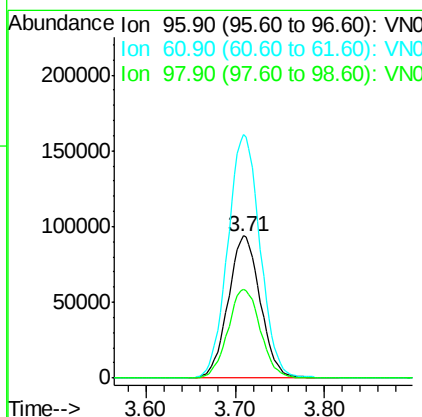
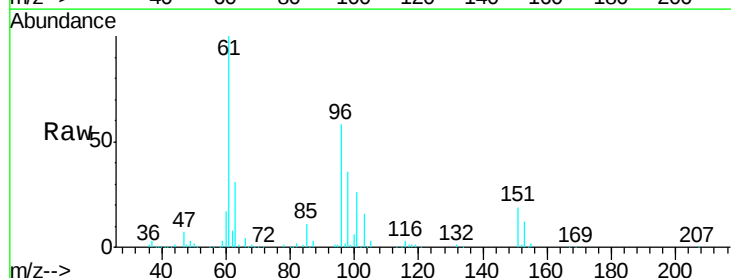
MMDadoda
11/5/2019 1:59:58 PM

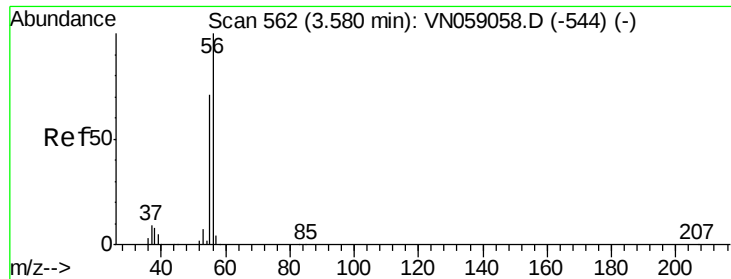


#12

1,1-Dichloroethene
Concen: 47.295 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	234422		
61	171.2	135.3	202.9	
98	62.5	49.4	74.2	





#13

Acrolein

Concen: 222.394 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 171997

Ion Ratio Lower Upper

56 100

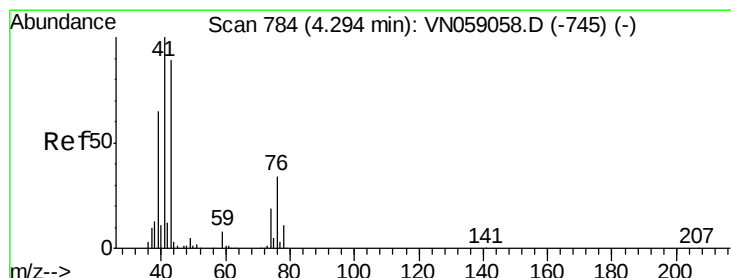
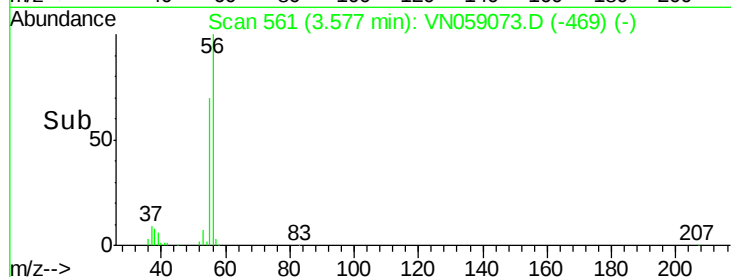
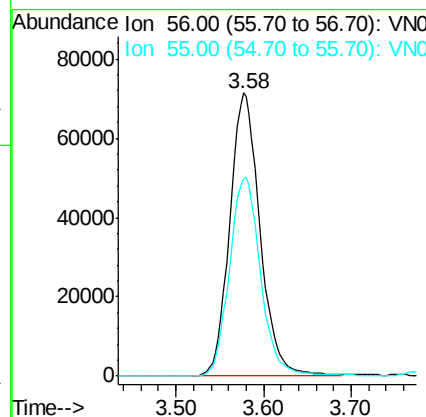
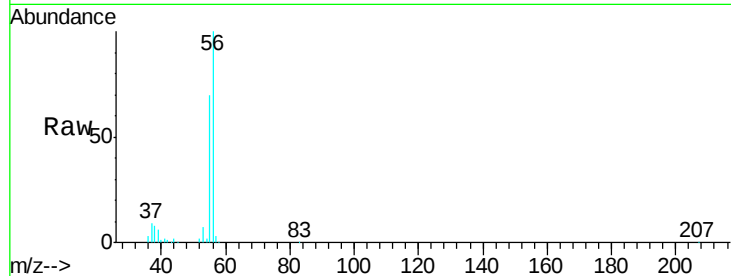
55 71.7 56.1 84.1

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 48.033 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

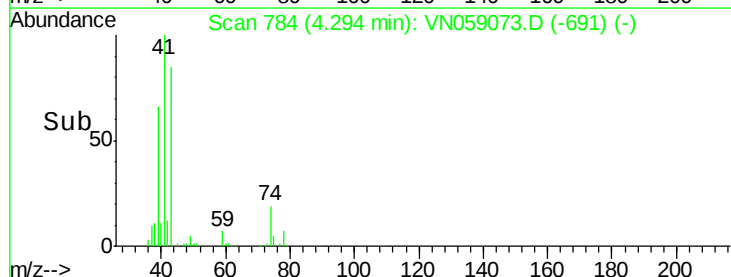
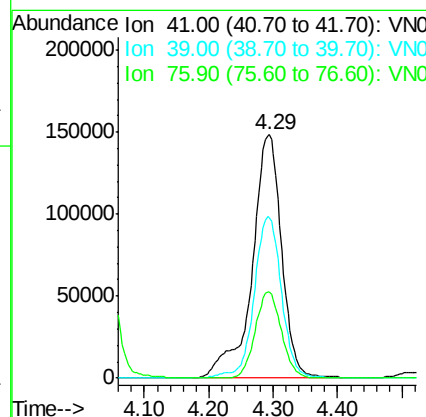
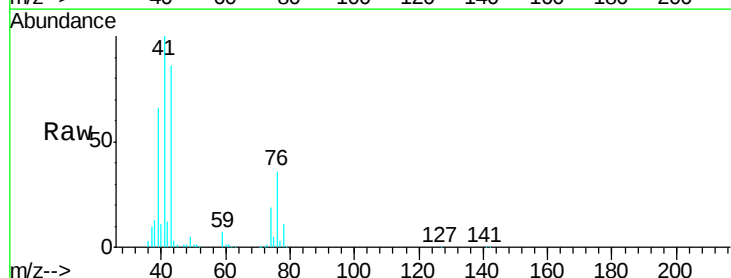
Tgt Ion: 41 Resp: 471768

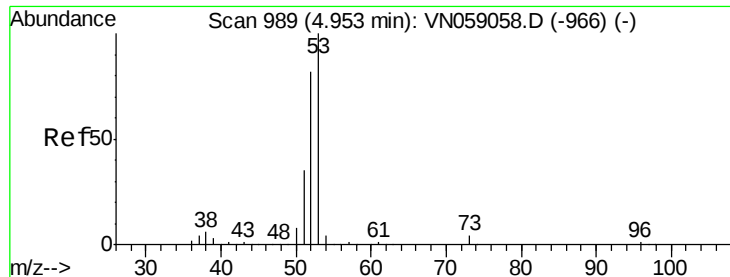
Ion Ratio Lower Upper

41 100

39 61.8 49.4 74.2

76 31.6 24.6 37.0





#15

Acrylonitrile

Concen: 235.338 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

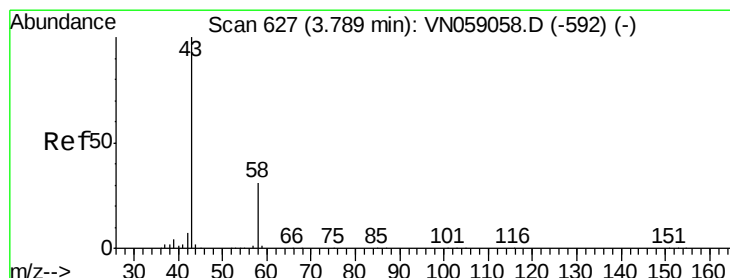
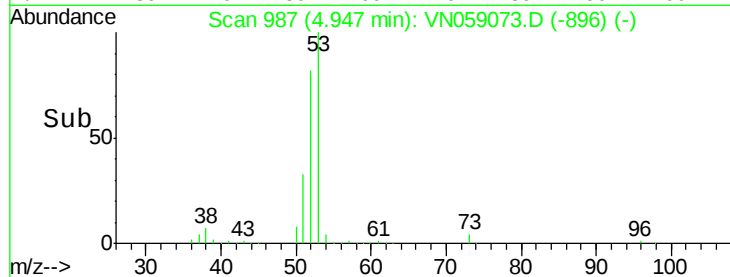
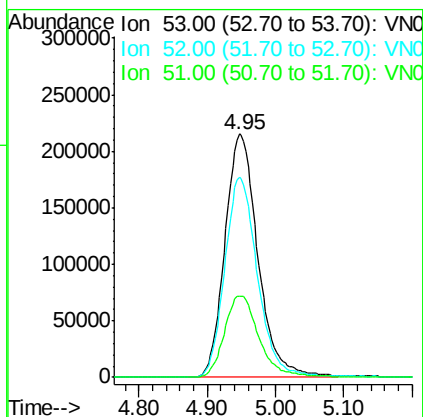
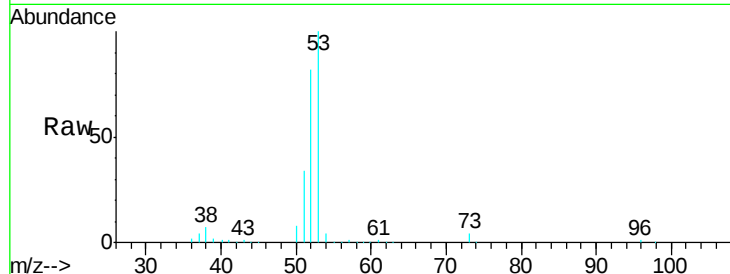
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	723572
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.0	99.0
51	35.4	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 270.426 ug/l

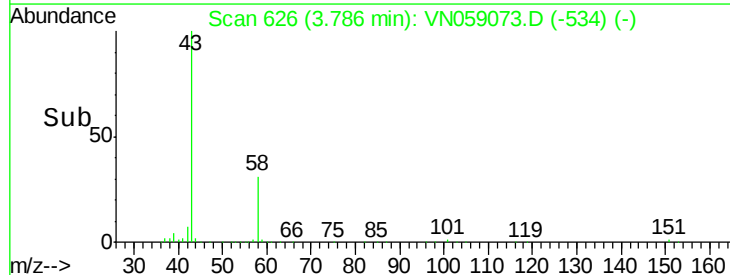
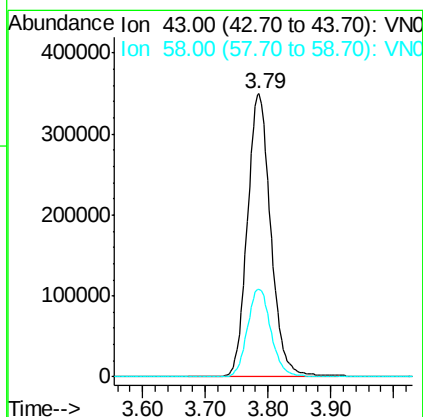
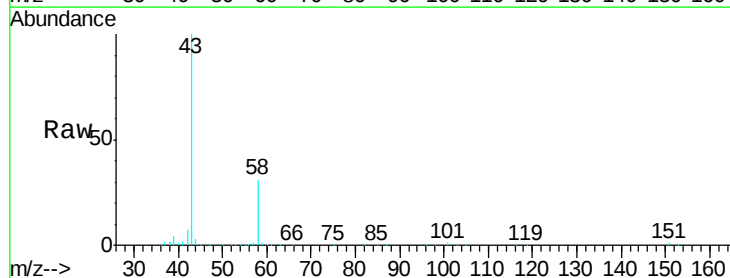
RT: 3.79 min Scan# 626

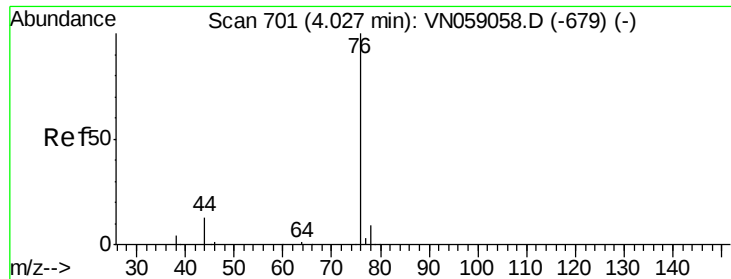
Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion:	43	Resp:	906652
Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.0	37.6





#17

Carbon Disulfide

Concen: 46.118 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 726723

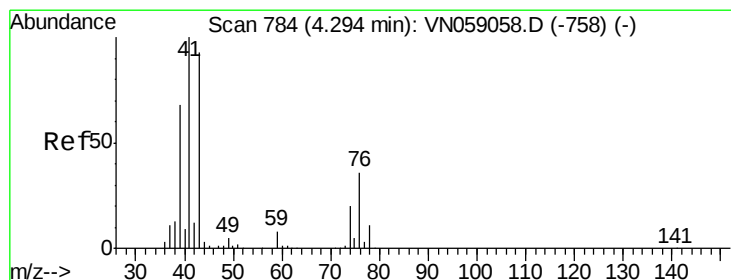
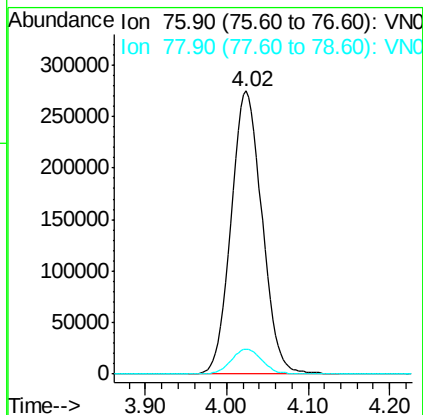
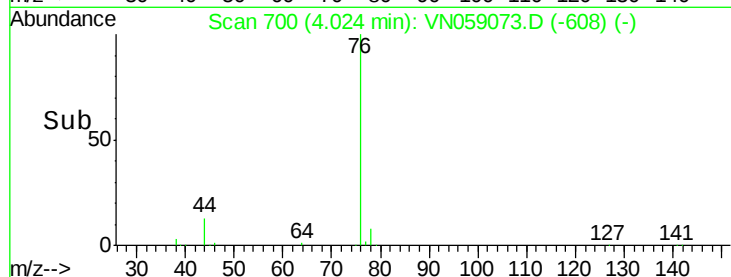
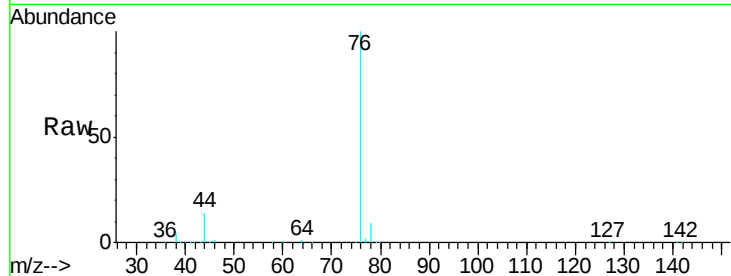
Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

Manual Integrations
APPROVED

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#18

Methyl Acetate

Concen: 43.352 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059073.D

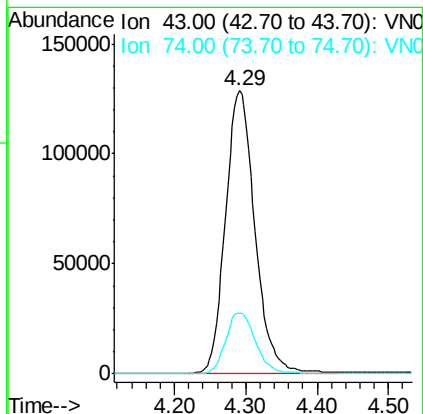
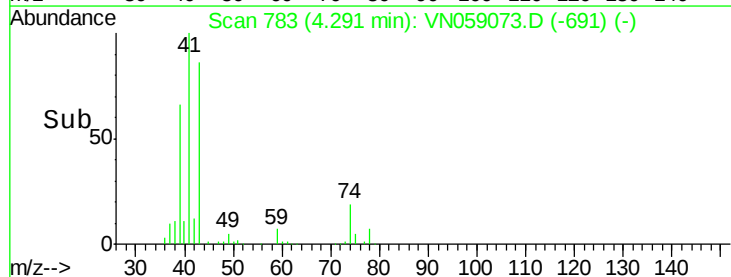
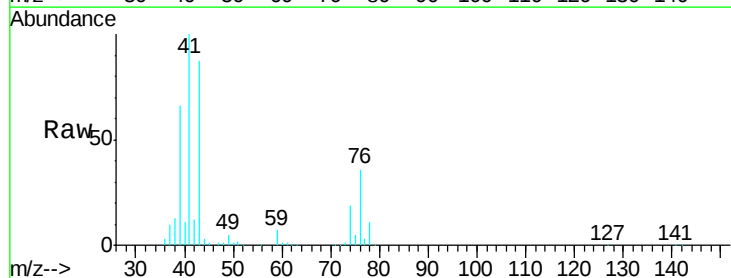
Acq: 4 Nov 2019 9:49

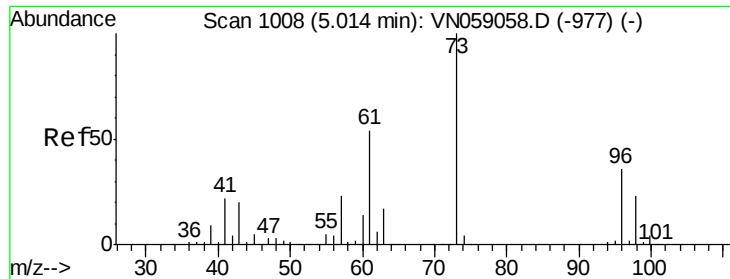
Tgt Ion: 43 Resp: 368209

Ion Ratio Lower Upper

43 100

74 21.8 17.5 26.3





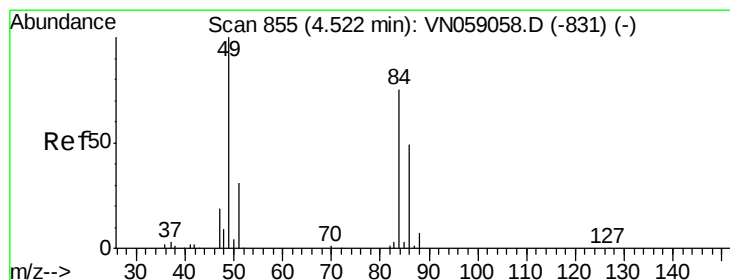
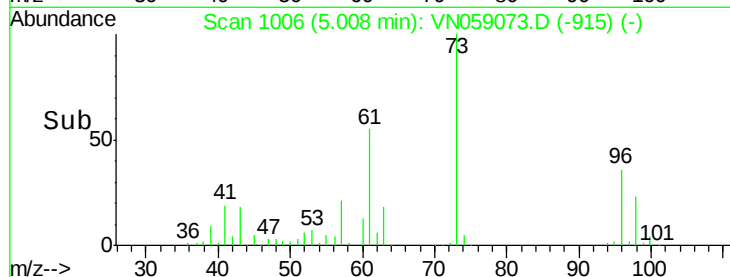
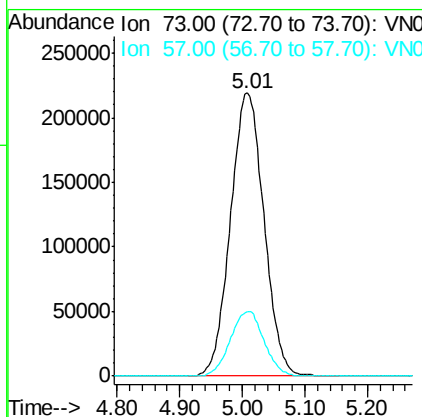
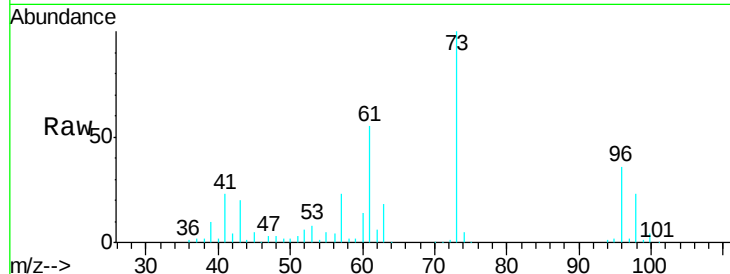
#19
Methyl tert-butyl Ether
Concen: 48.166 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 813127
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

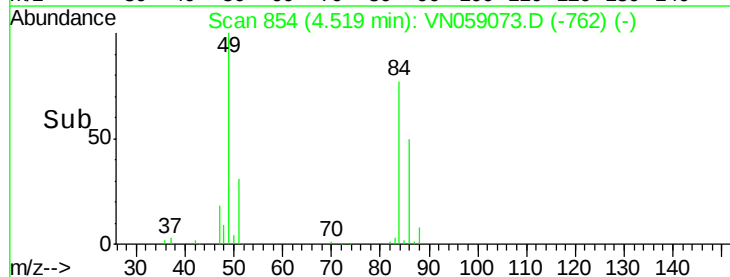
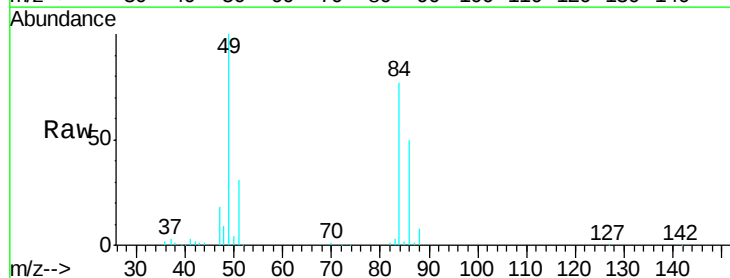
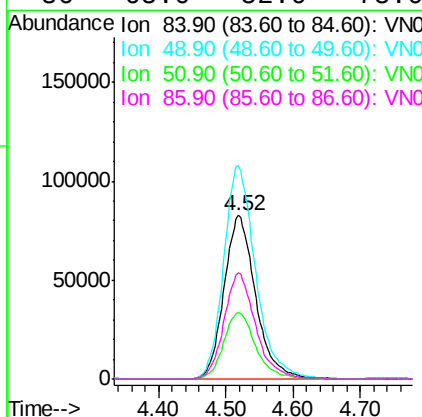
Manual Integrations
APPROVED

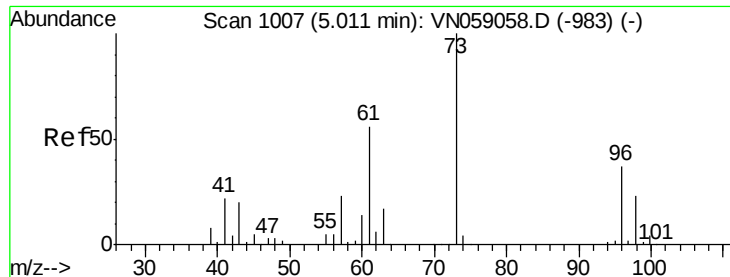
MMDadoda
11/5/2019 1:59:58 PM



#20
Methylene Chloride
Concen: 46.068 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 84 Resp: 270386
Ion Ratio Lower Upper
84 100
49 130.2 106.4 159.6
51 40.3 33.0 49.4
86 65.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.262 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 251487

Ion Ratio Lower Upper

96 100

61 154.9 121.7 182.5

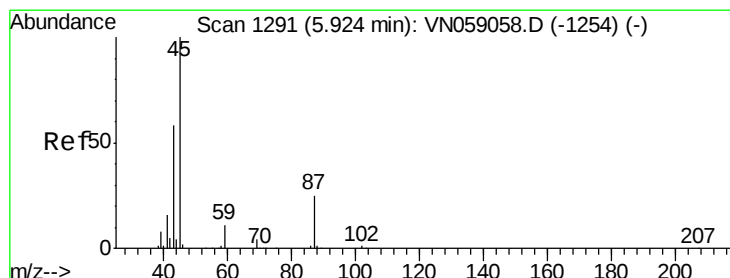
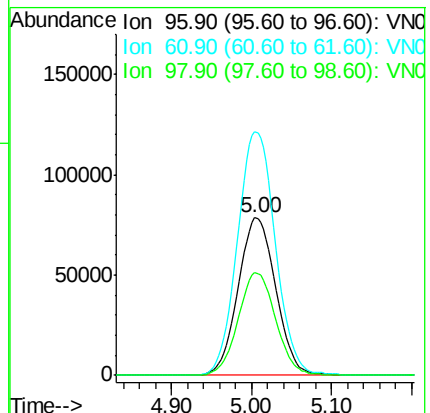
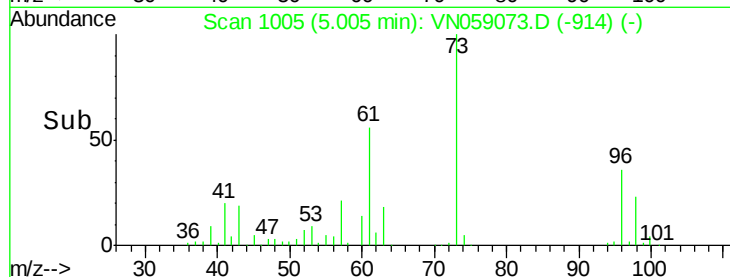
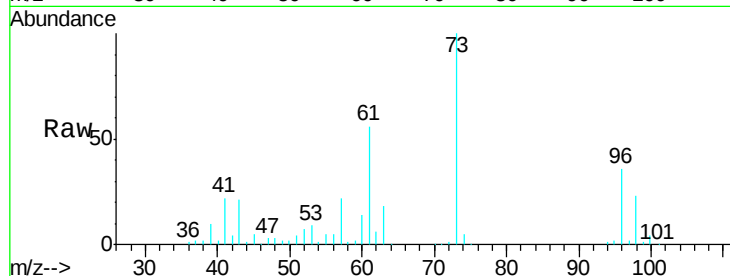
98 65.1 50.6 76.0

Manual Integrations

APPROVED

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#22

Diisopropyl ether

Concen: 49.591 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion: 45 Resp: 927747

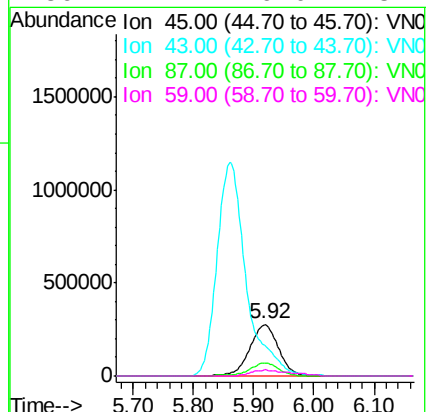
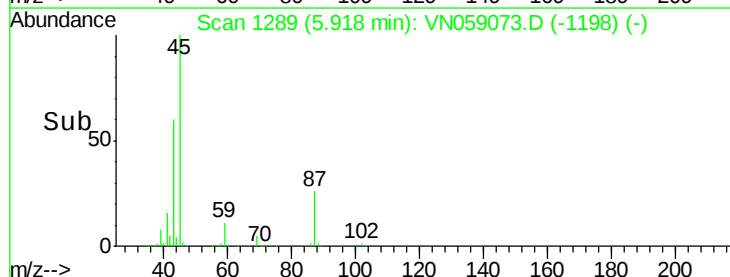
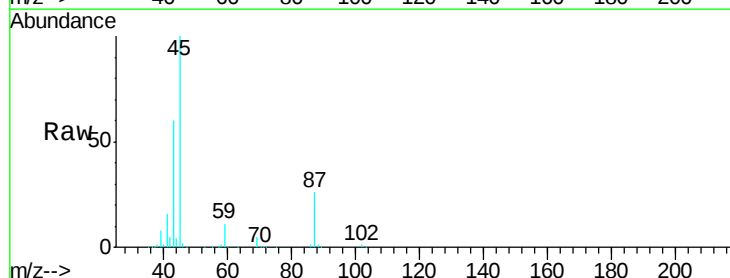
Ion Ratio Lower Upper

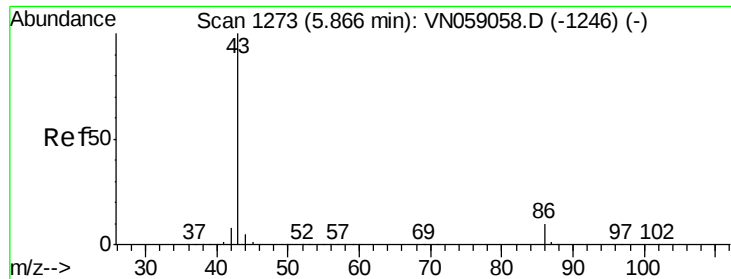
45 100

43 59.4 46.9 70.3

87 25.6 20.1 30.1

59 11.2 9.0 13.4





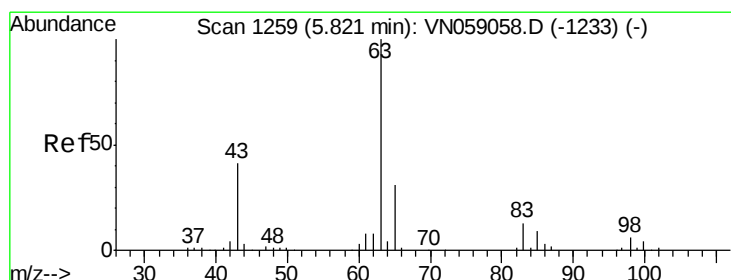
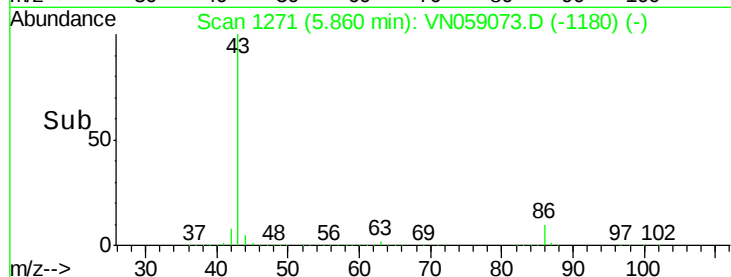
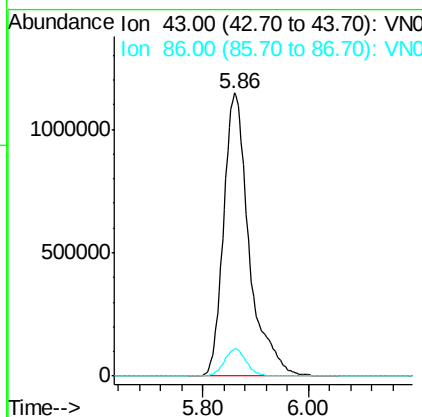
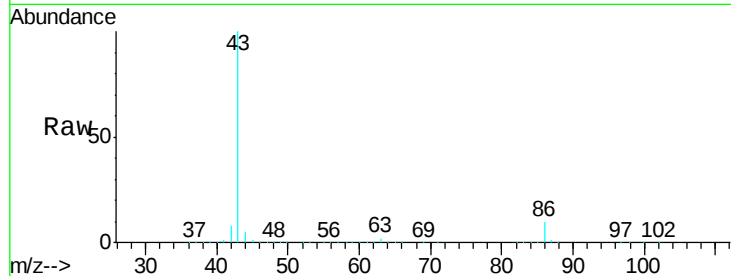
#23
 Vinyl Acetate
 Concen: 257.524 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 3837193
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.6 11.4

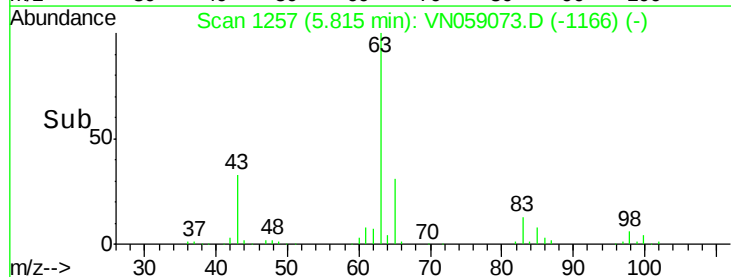
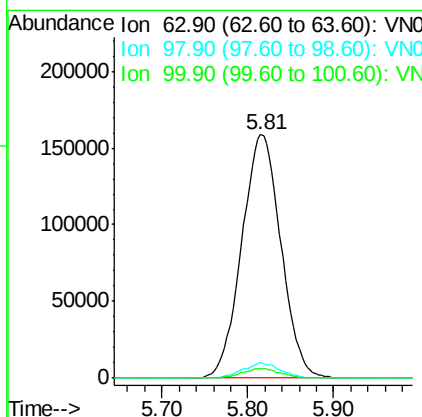
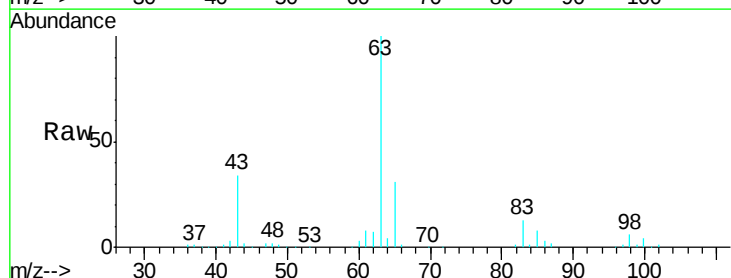
Manual Integrations
 APPROVED

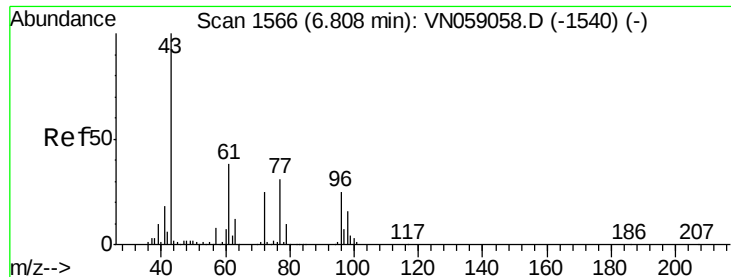
MMDadoda
 11/5/2019 1:59:58 PM



#24
 1,1-Dichloroethane
 Concen: 46.974 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion: 63 Resp: 502418
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.2 9.6
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 241.383 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1077595

Ion Ratio Lower Upper

43 100

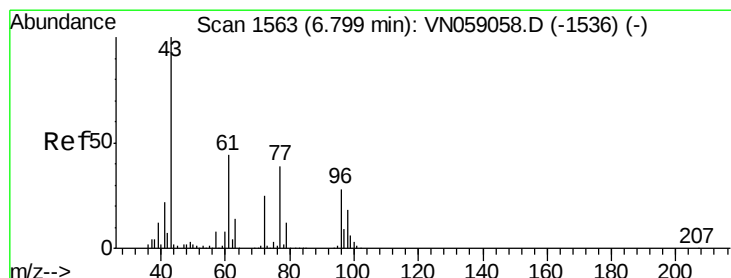
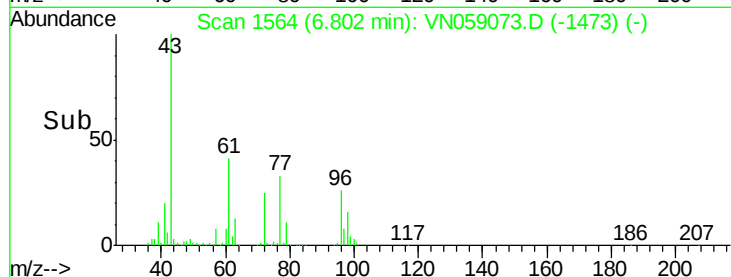
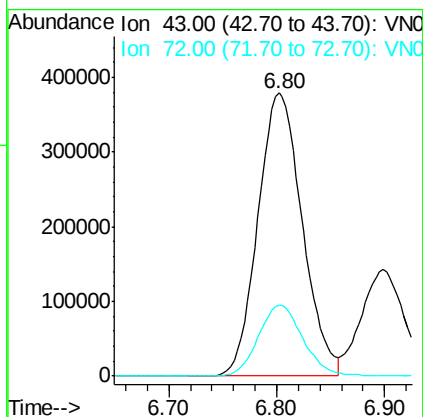
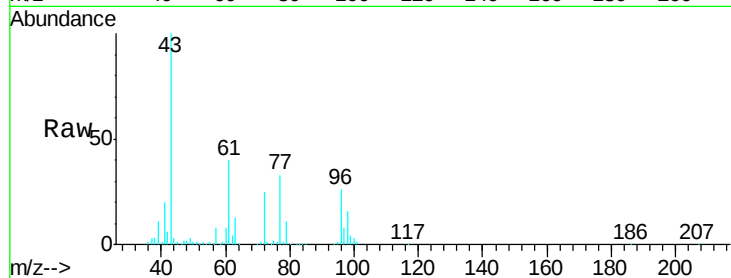
72 25.2 19.9 29.9

Manual Integrations

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MMDadoda

11/5/2019 1:59:58 PM



#26

2,2-Dichloropropane

Concen: 46.596 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059073.D

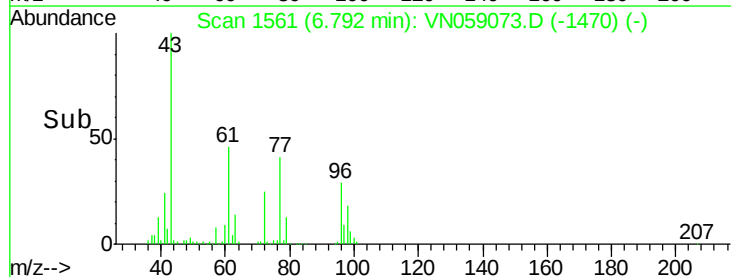
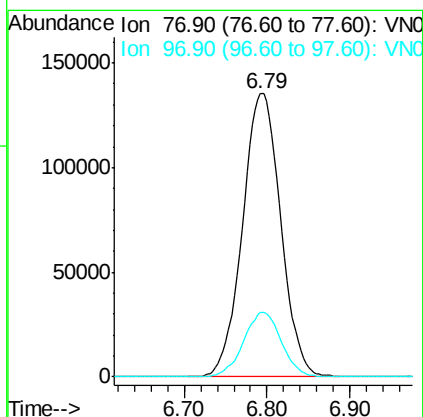
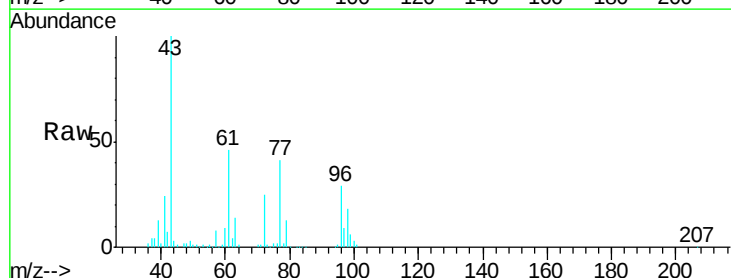
Acq: 4 Nov 2019 9:49

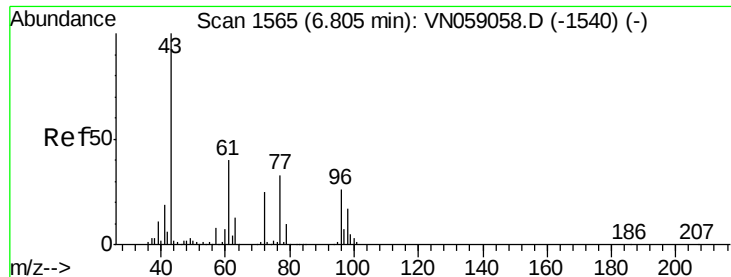
Tgt Ion: 77 Resp: 432582

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 48.469 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

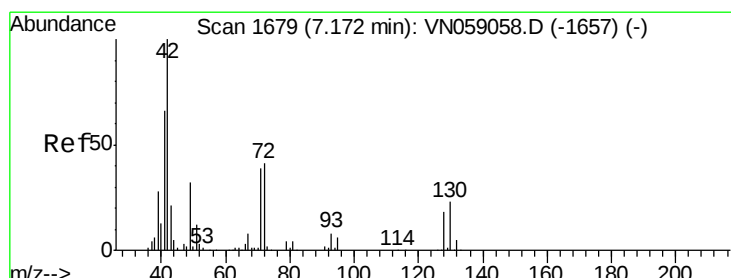
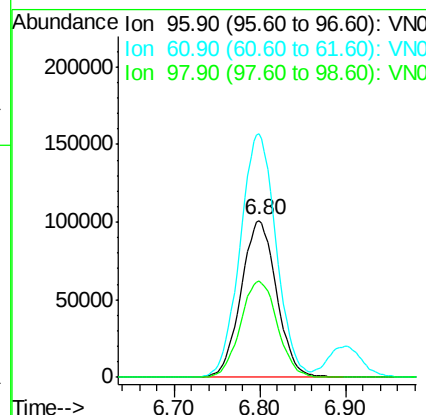
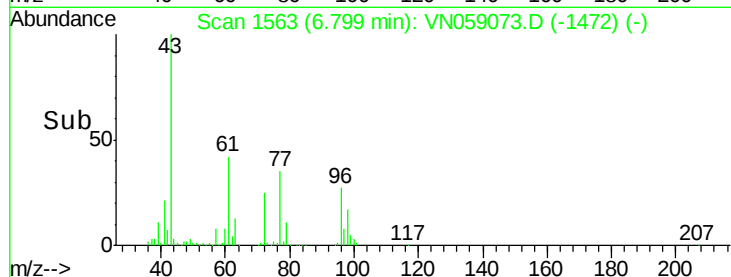
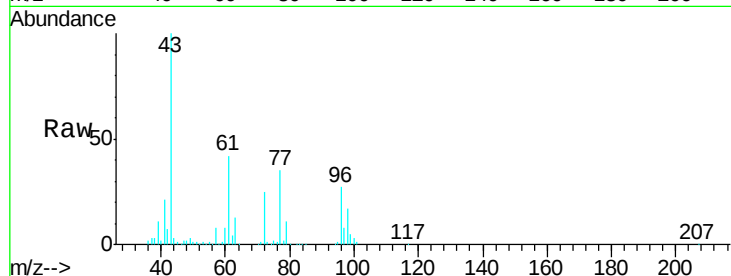
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	290405
Ion Ratio	Lower	Upper	
96	100		
61	157.4	0.0	316.4
98	63.7	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 41.714 ug/l

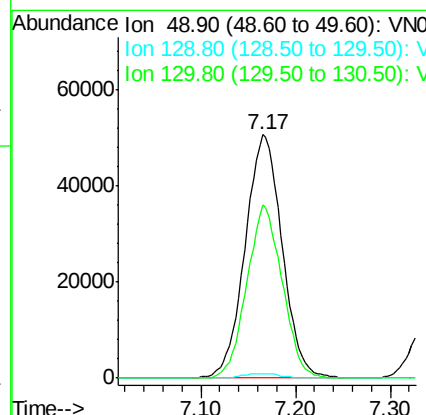
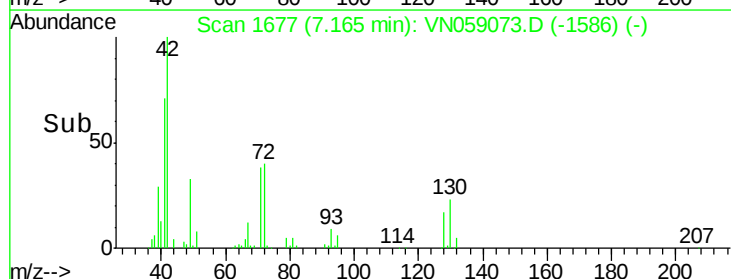
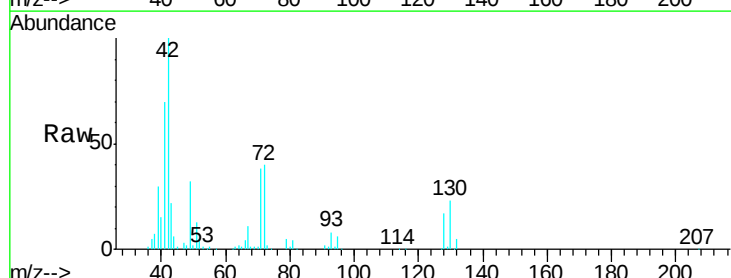
RT: 7.17 min Scan# 1677

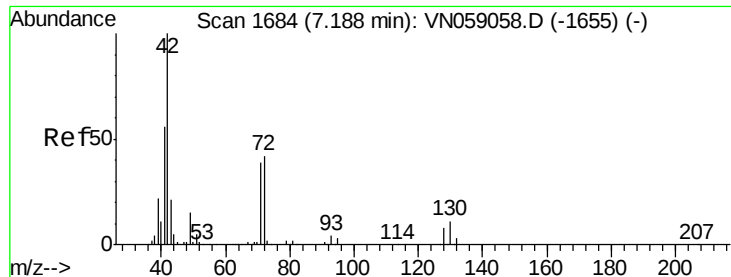
Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion:	49	Resp:	137697
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.4
130	67.9	55.0	82.6





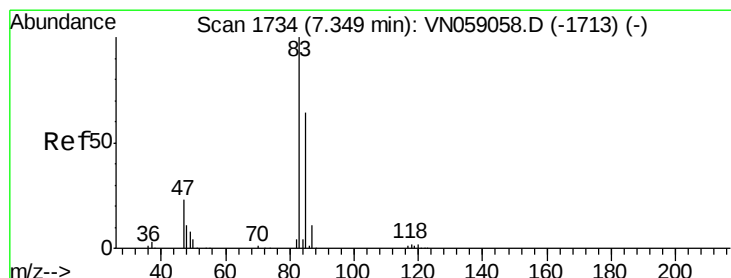
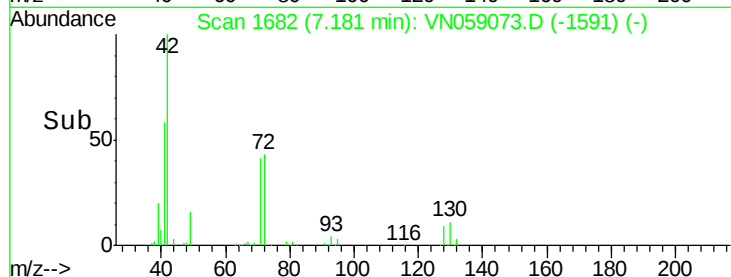
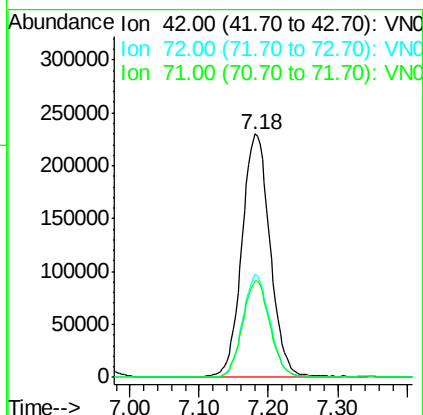
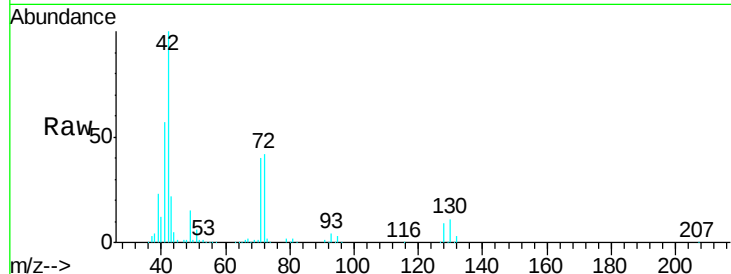
#29
Tetrahydrofuran
Concen: 230.271 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.7	49.1
71	38.7	31.2	46.8

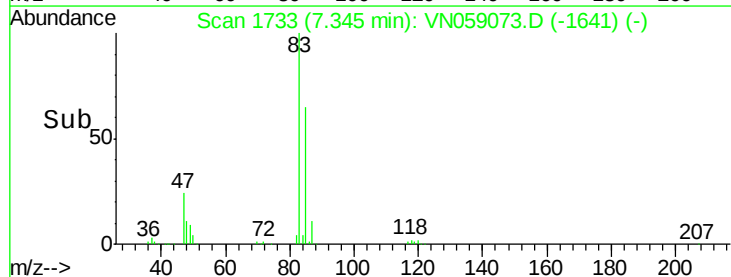
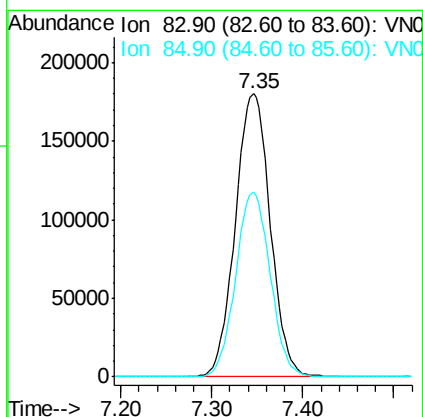
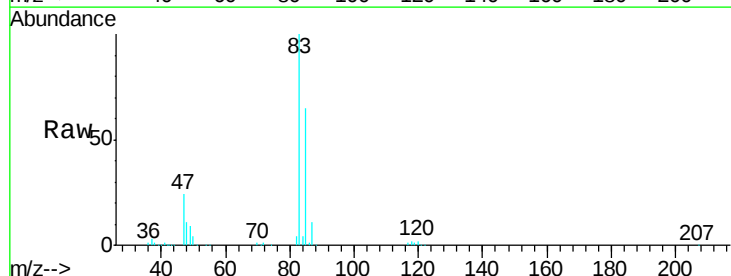
Manual Integrations
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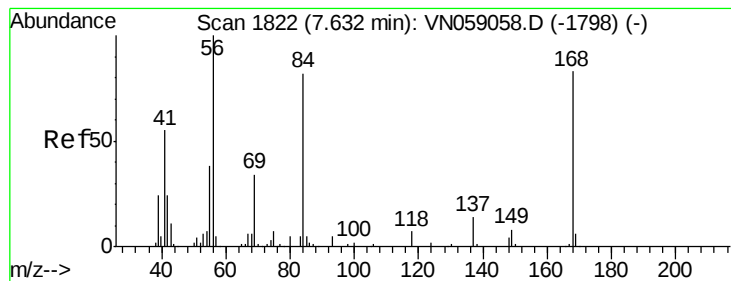
MMDadoda
11/5/2019 1:59:58 PM



#30
Chloroform
Concen: 47.005 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.9	76.3





#31

Cyclohexane

Concen: 45.751 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 466742

Ion Ratio Lower Upper

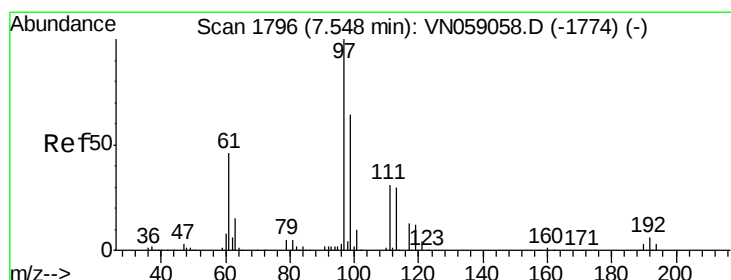
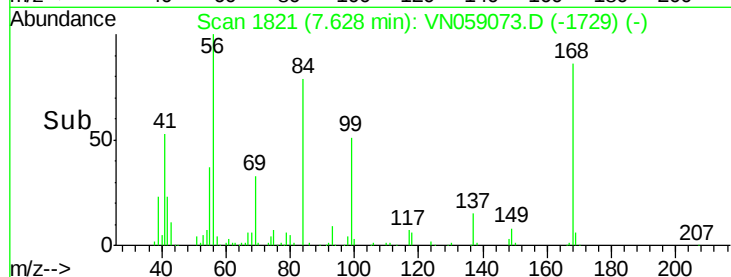
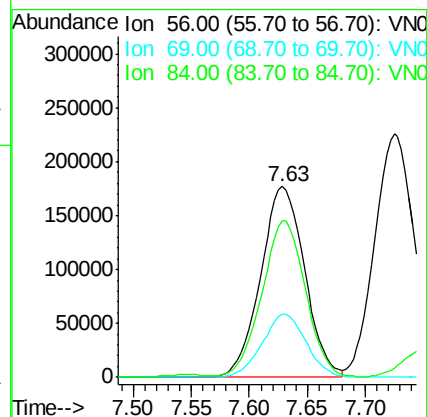
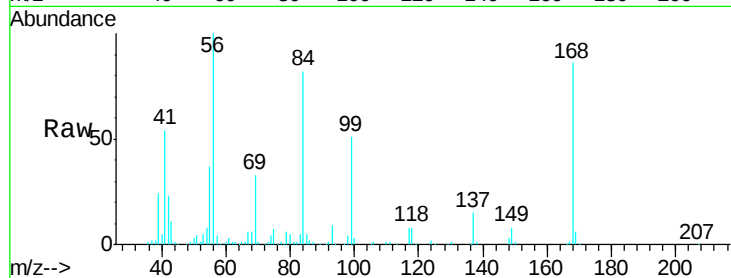
56 100

69 32.9 27.2 40.8

84 80.5 65.2 97.8

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#32

1,1,1-Trichloroethane

Concen: 47.493 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

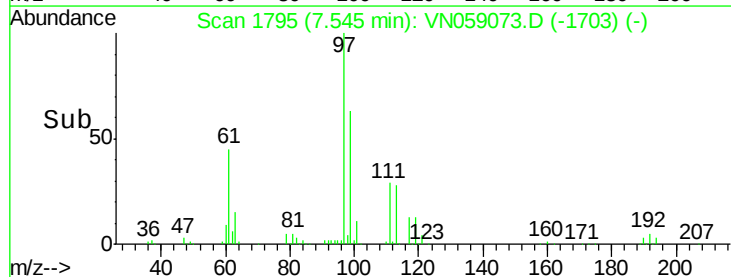
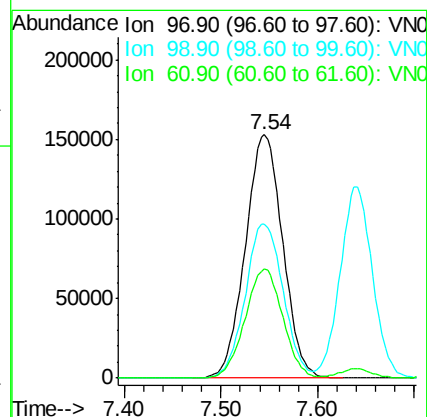
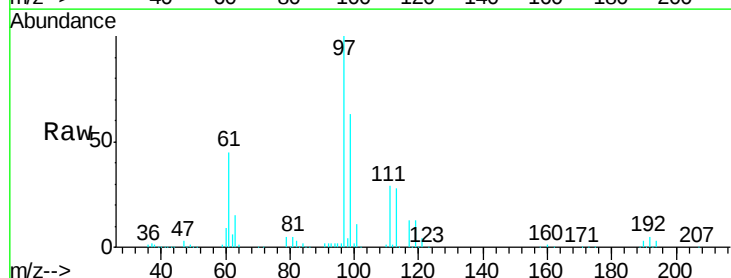
Tgt Ion: 97 Resp: 410970

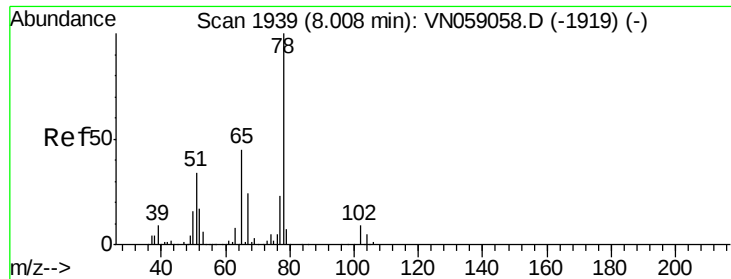
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

61 45.2 36.3 54.5





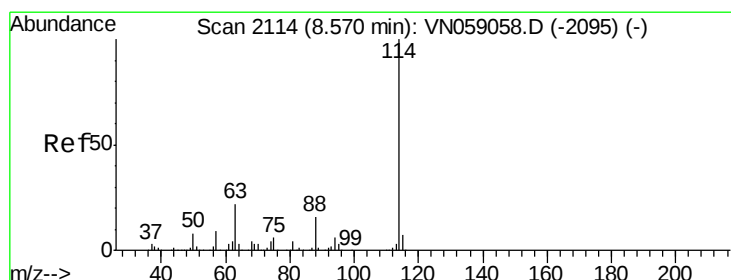
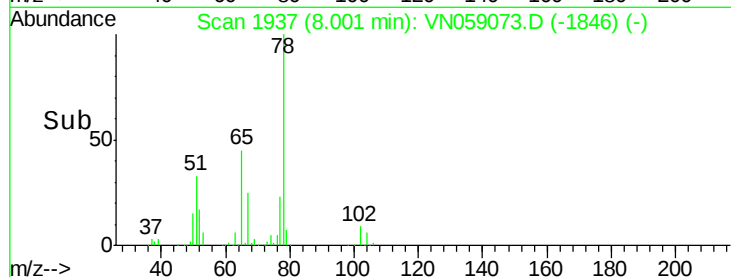
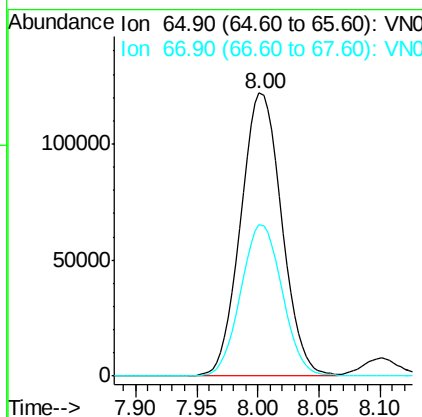
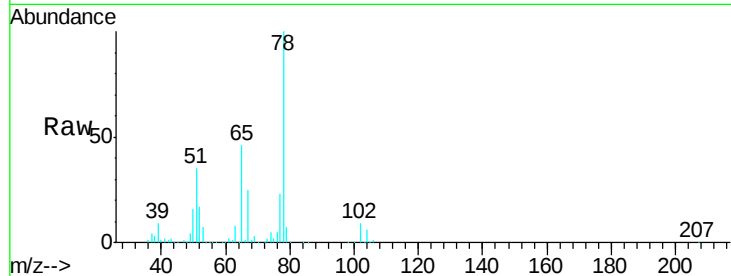
#33
 1,2-Dichloroethane-d4
 Concen: 42.932 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.01 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	284314		
67	54.0	0.0	107.6	

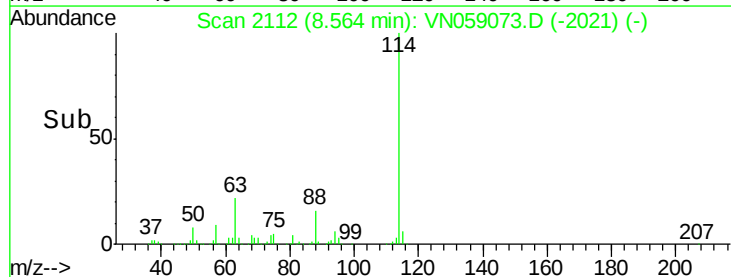
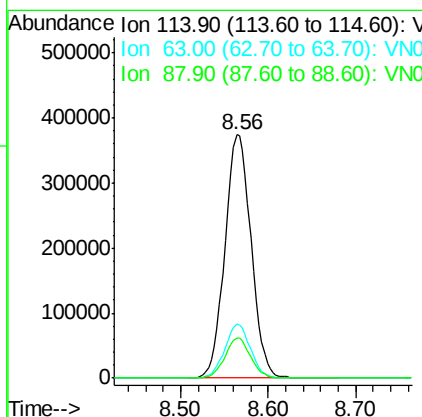
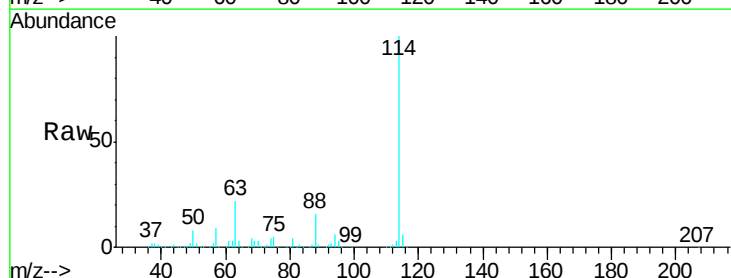
Manual Integrations
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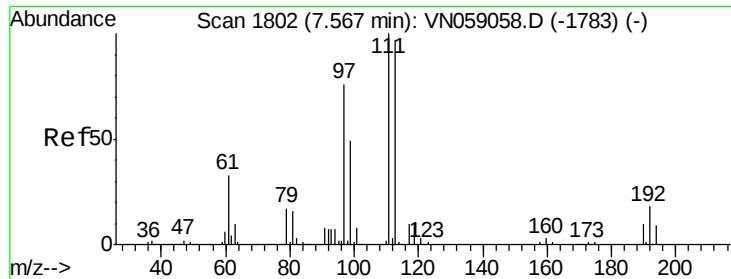
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	777686		
63	22.2	0.0	43.2	
88	16.3	0.0	33.0	





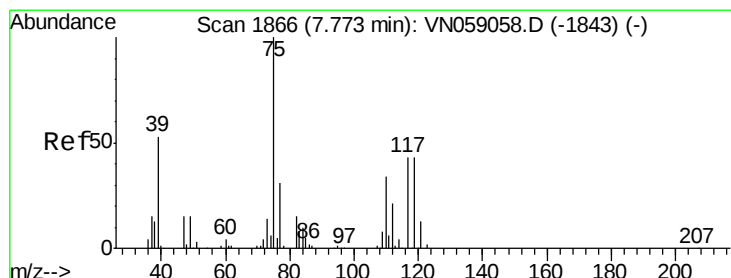
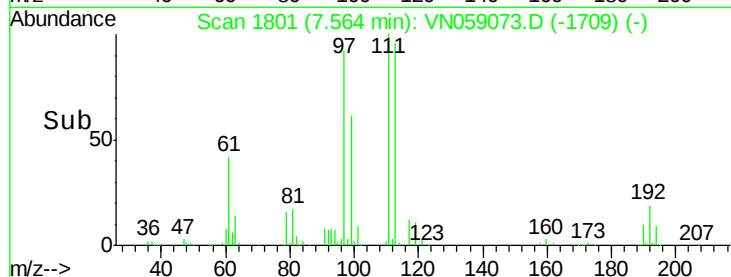
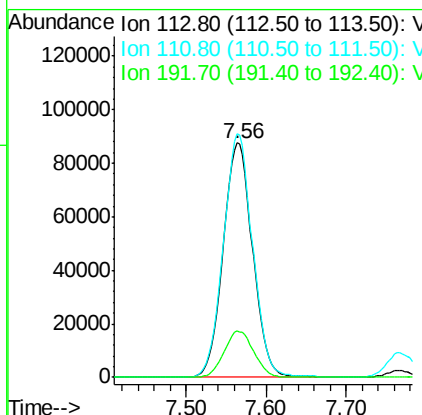
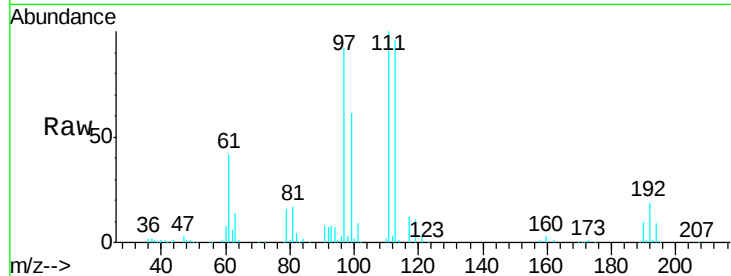
#35
Dibromofluoromethane
Concen: 43.944 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	220469		
111	102.7	82.9	124.3	
192	19.8	15.9	23.9	

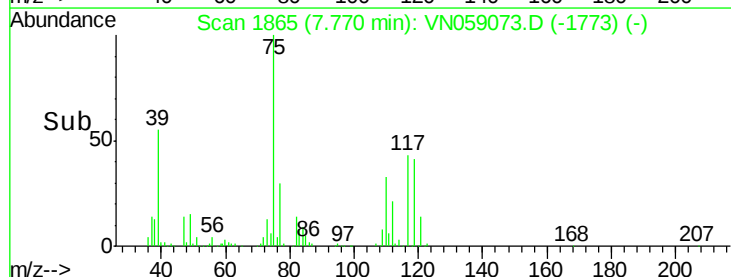
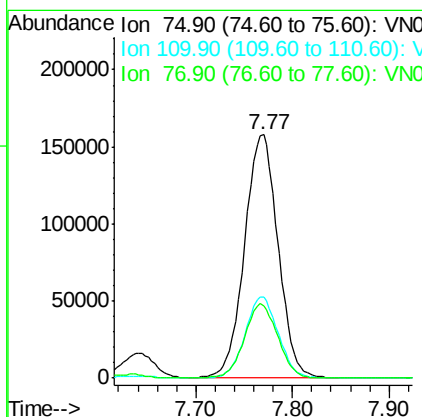
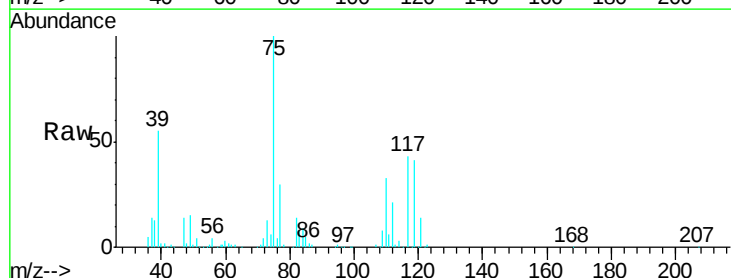
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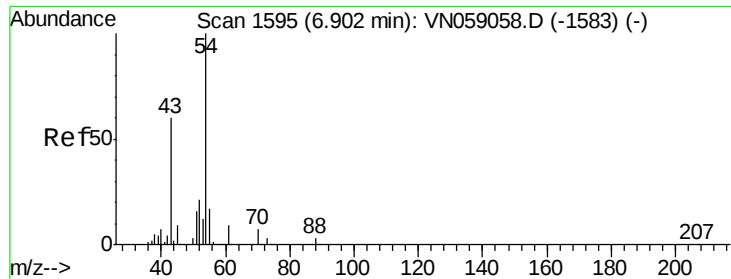
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#36
1,1-Dichloropropene
Concen: 49.034 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	378999		
110	33.1	16.9	50.6	
77	30.8	25.0	37.4	





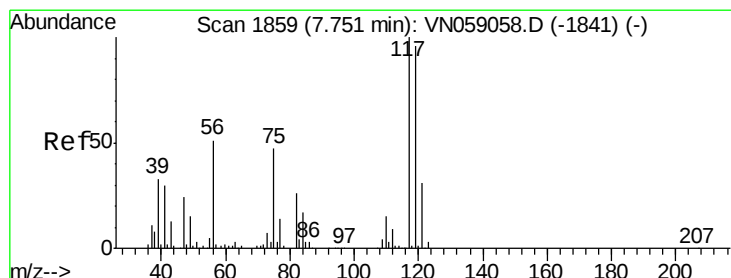
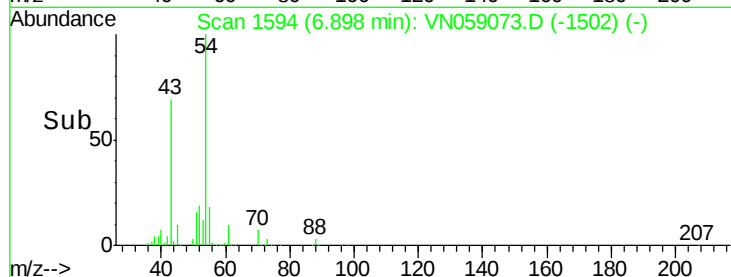
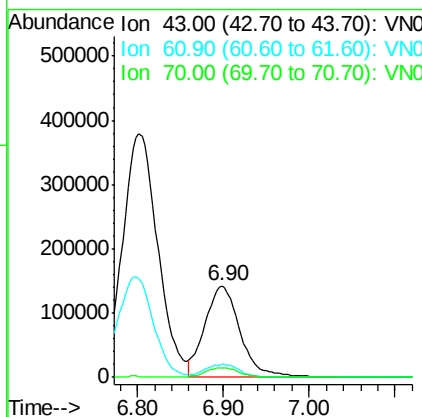
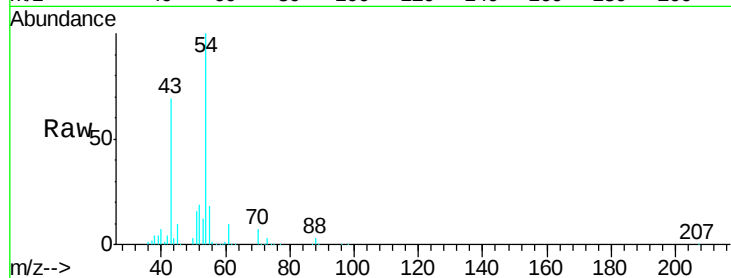
#37
Ethyl Acetate
Concen: 46.727 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.2	16.8
70	10.2	8.0	12.0

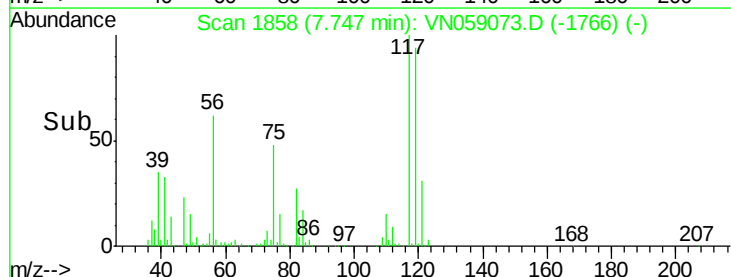
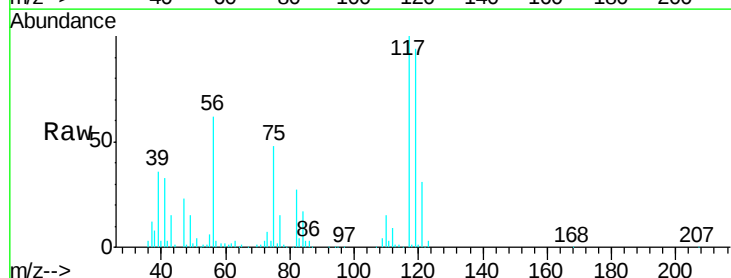
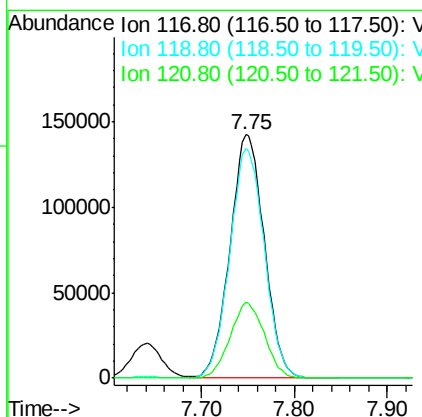
Manual Integrations
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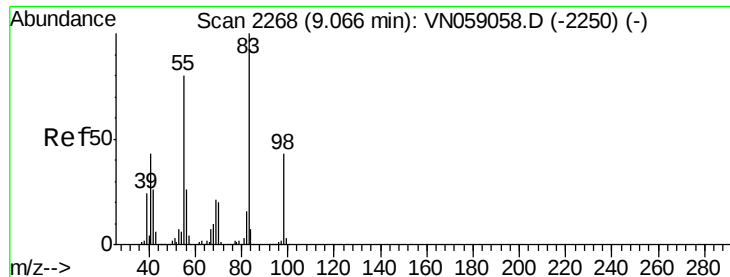
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#38
Carbon Tetrachloride
Concen: 48.488 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.6	114.8
121	31.1	24.6	37.0





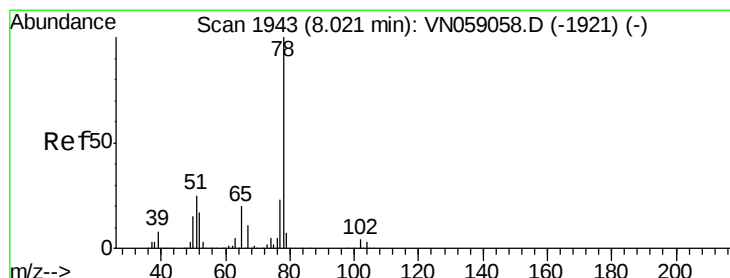
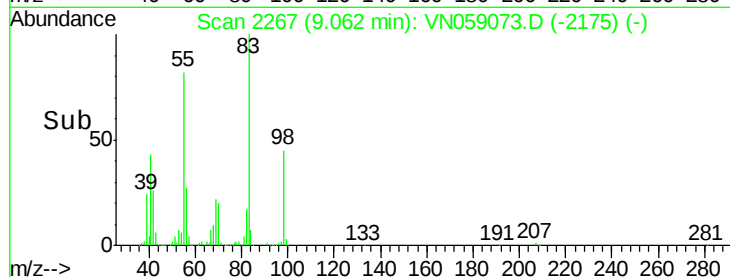
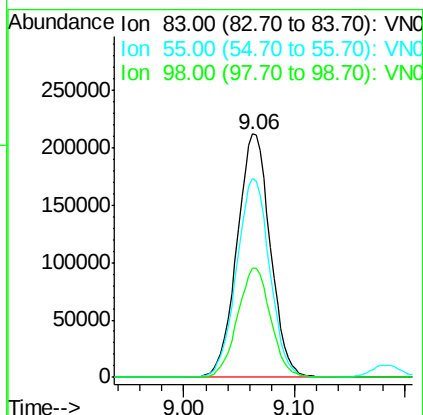
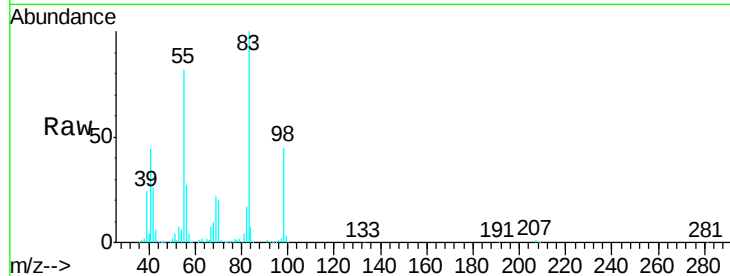
#39
Methylcyclohexane
Concen: 49.611 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.5	64.1	96.1
98	44.8	34.3	51.5

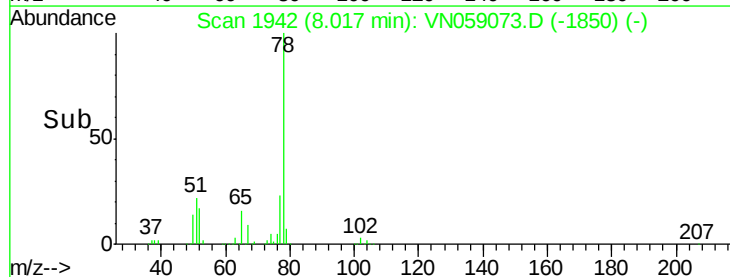
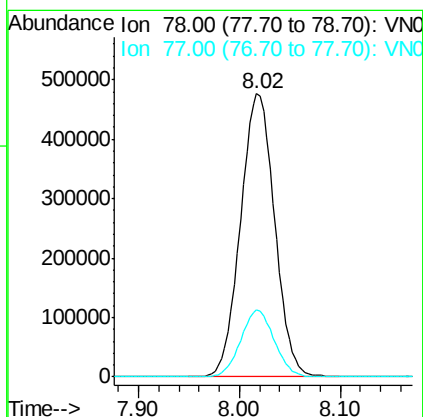
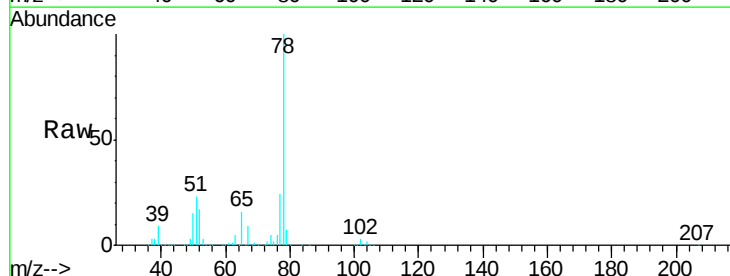
Manual Integrations
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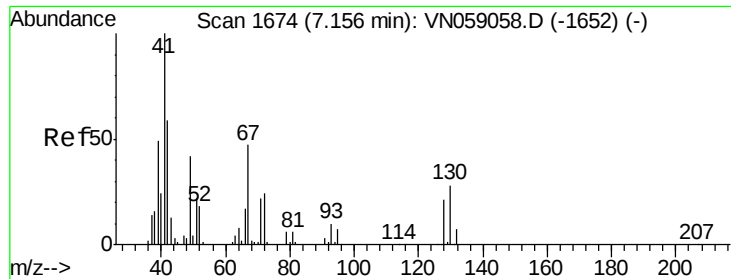
MMDadoda
11/5/2019 1:59:58 PM



#40
Benzene
Concen: 48.675 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	27.8





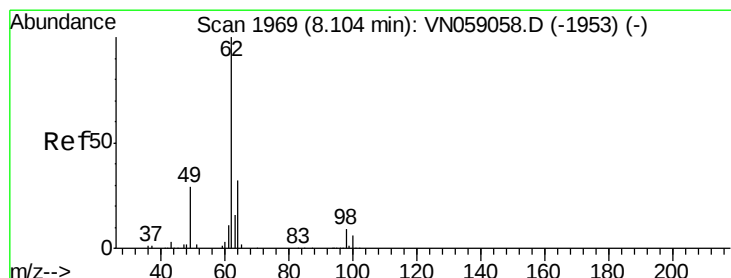
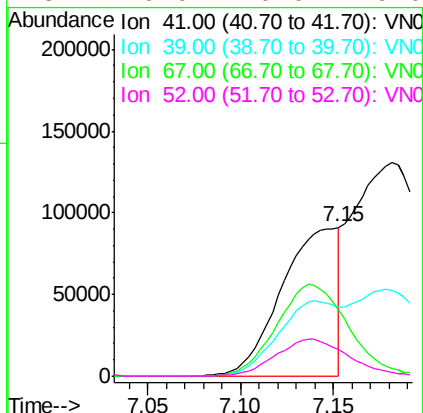
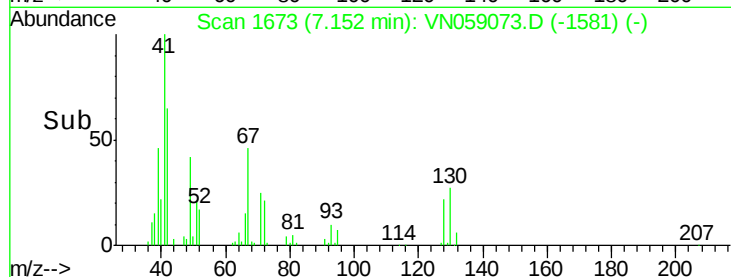
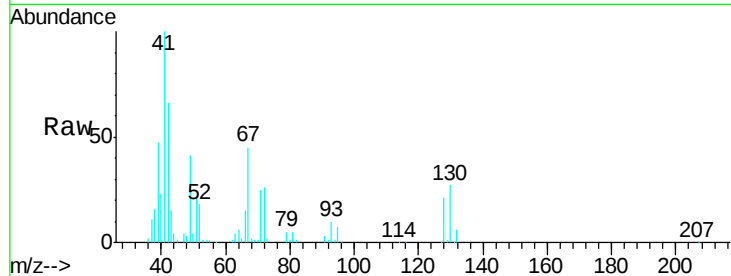
#41
Methacrylonitrile
Concen: 52.069 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

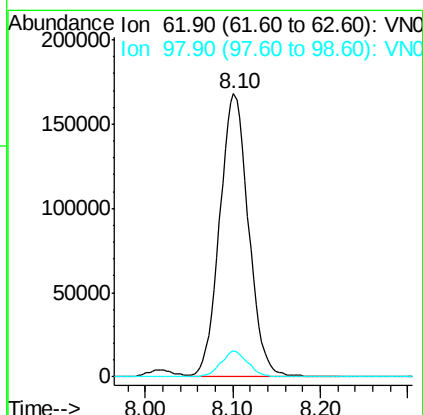
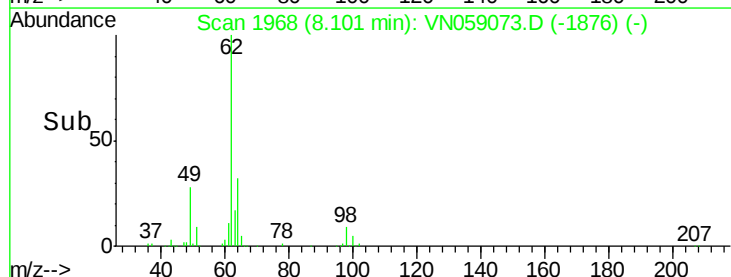
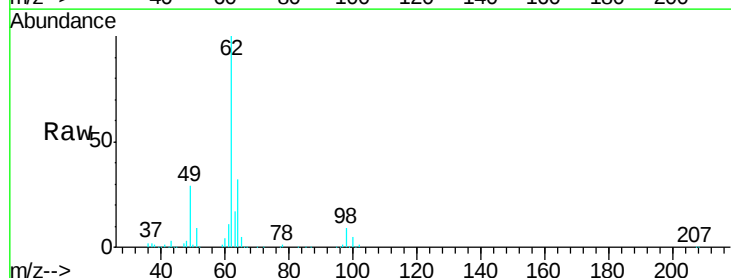
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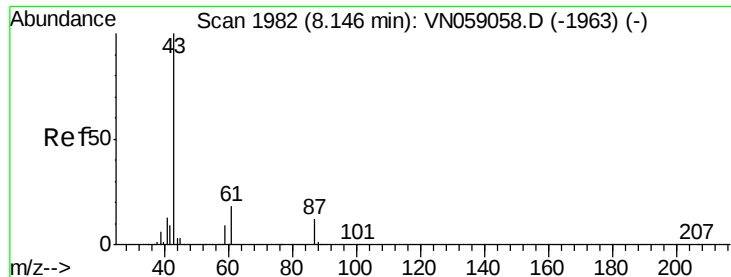
MMDadoda
11/5/2019 1:59:58 PM



#42
1,2-Dichloroethane
Concen: 48.213 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.0





#43

Isopropyl Acetate

Concen: 47.214 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.01 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

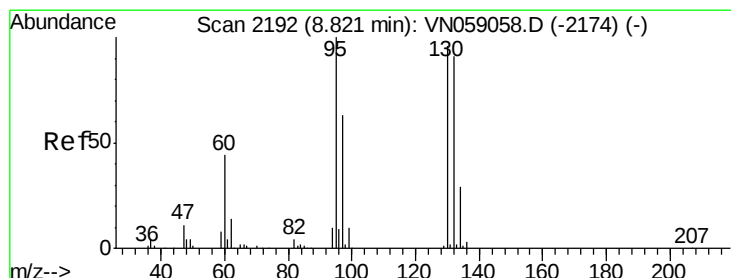
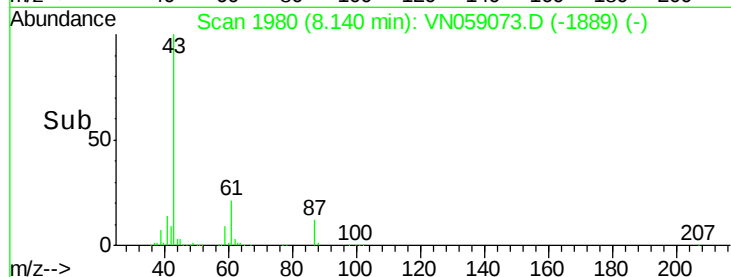
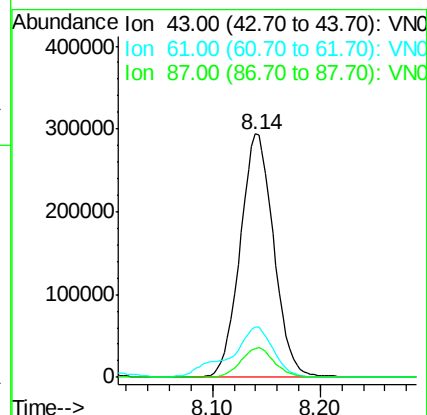
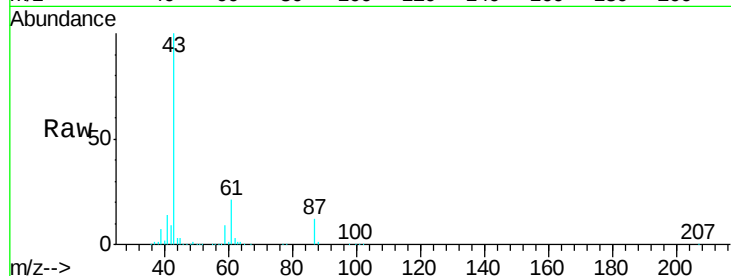
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	634089
Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.5	30.7
87	12.3	9.8	14.8

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#44

Trichloroethene

Concen: 48.604 ug/l

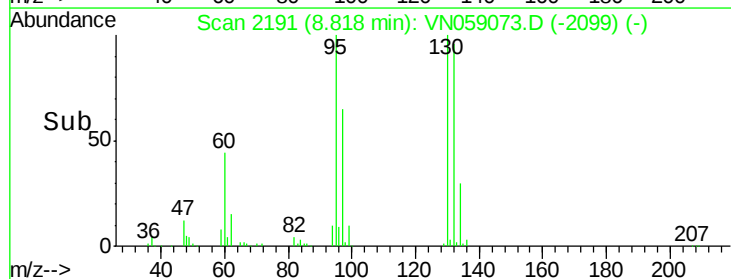
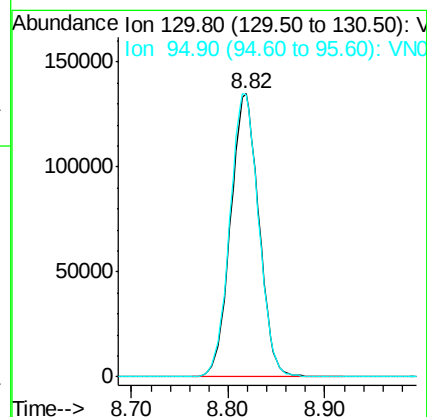
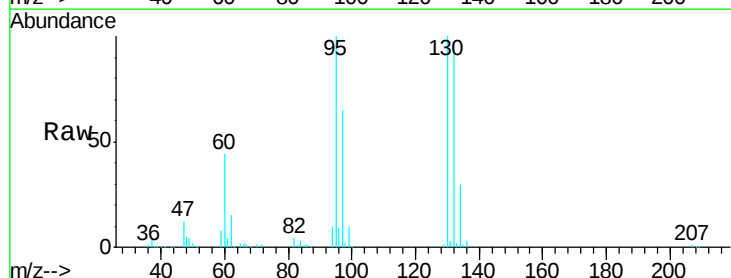
RT: 8.82 min Scan# 2191

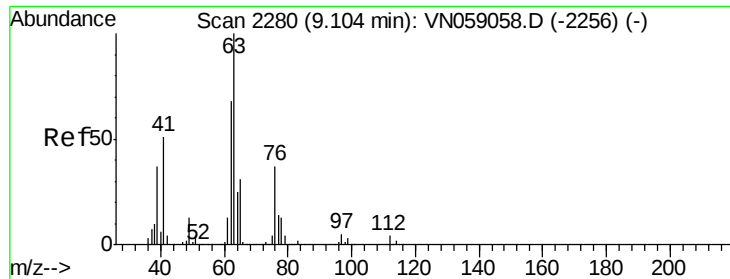
Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion:	130	Resp:	274311
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	207.6





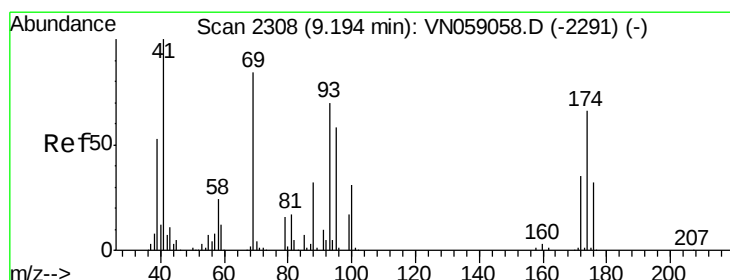
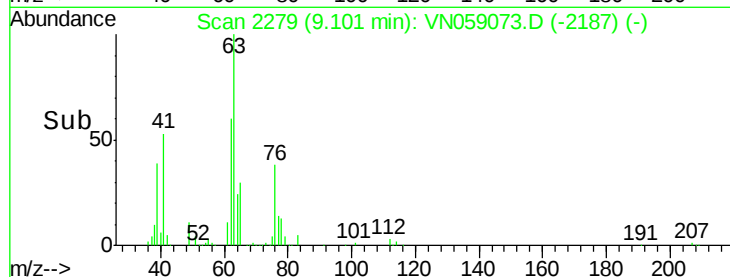
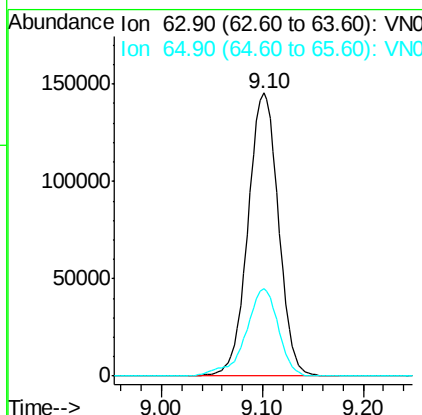
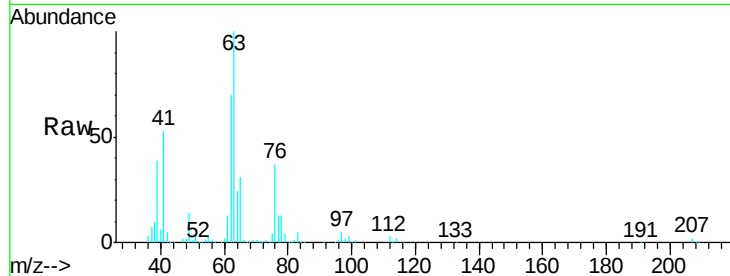
#45
 1,2-Dichloropropane
 Concen: 48.996 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 303950
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

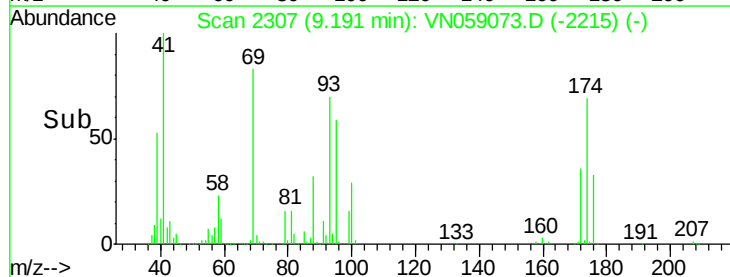
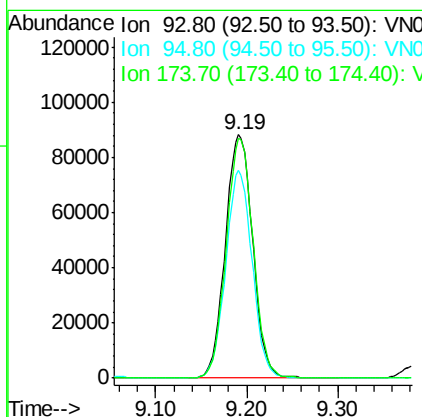
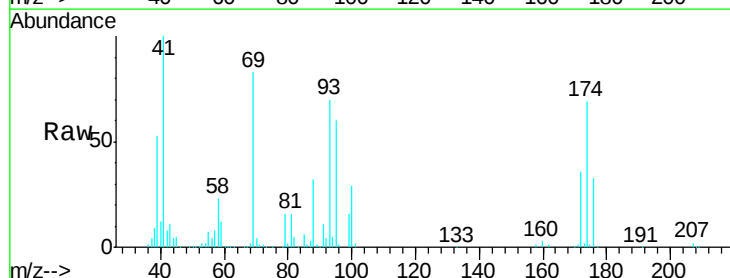
Manual Integrations
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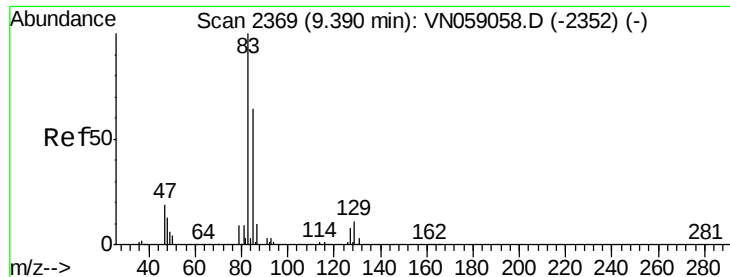
MMDadoda
 11/5/2019 1:59:58 PM



#46
 Dibromomethane
 Concen: 48.049 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion: 93 Resp: 184221
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.2 100.8
 174 97.3 78.3 117.5





#47

Bromodichloromethane

Concen: 48.750 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

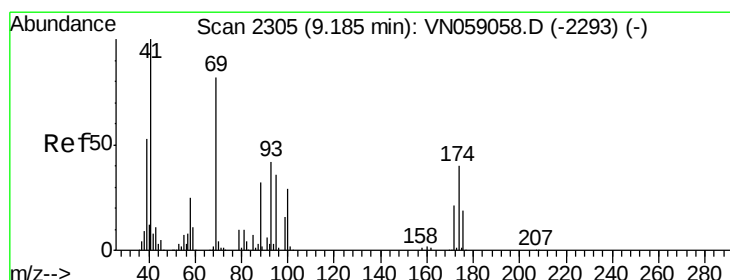
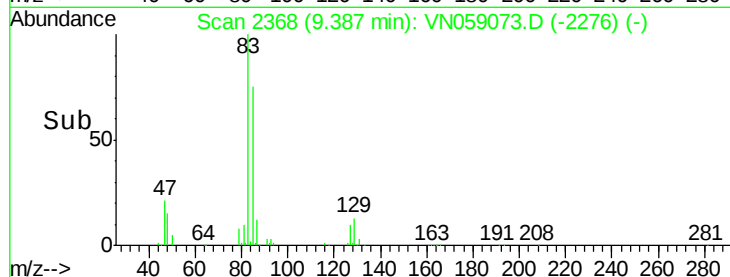
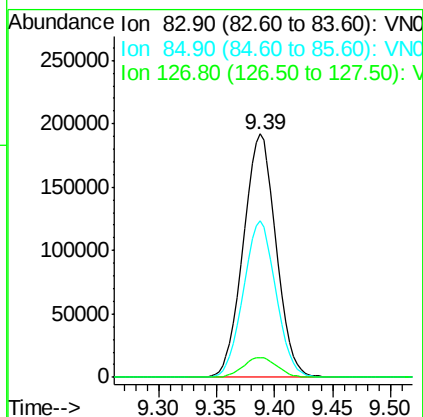
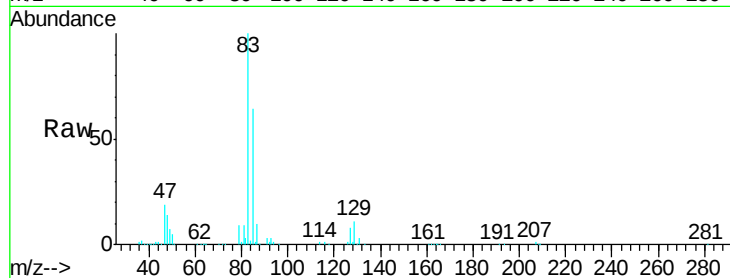
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	378533
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.2	76.8
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.079 ug/l

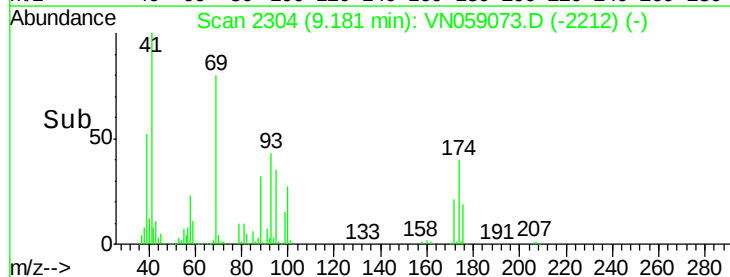
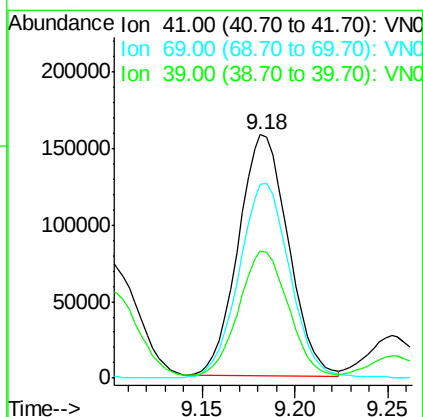
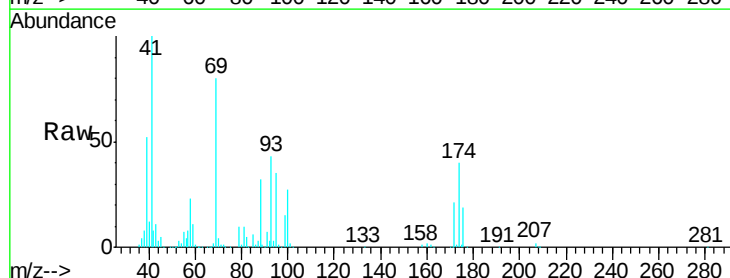
RT: 9.18 min Scan# 2304

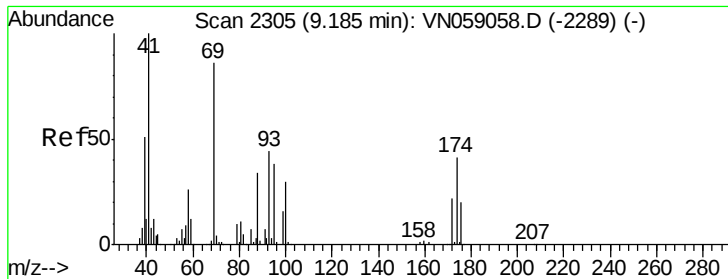
Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion:	41	Resp:	294418
Ion Ratio	Lower	Upper	
41	100		
69	83.1	67.1	100.7
39	52.9	43.3	64.9





#49

1,4-Dioxane

Concen: 1031.931 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

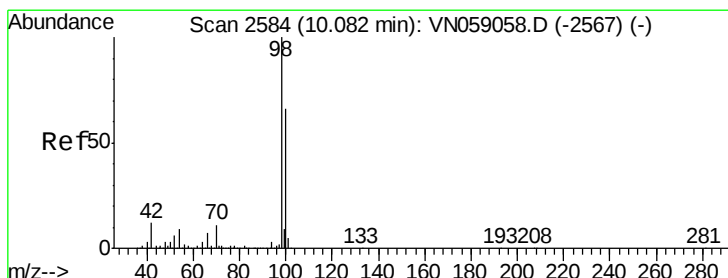
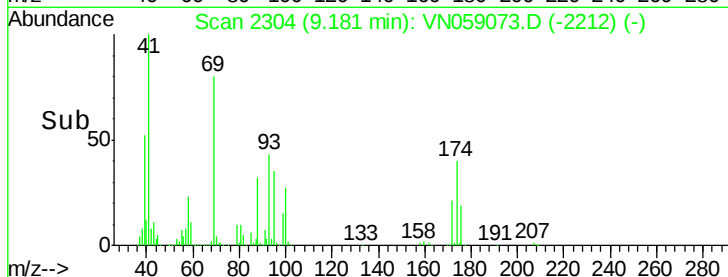
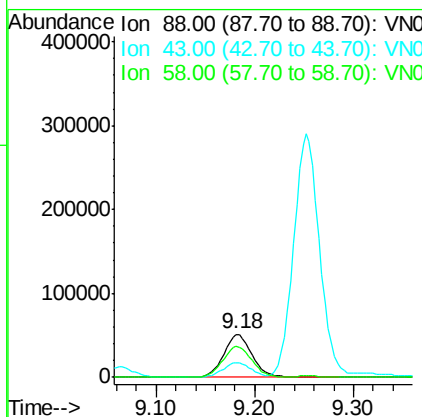
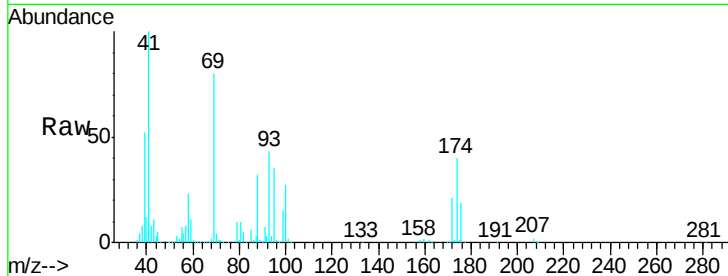
ClientSampleId :

VSTDCCC050

Tgt Ion:	88	Resp:	103079
Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.2	39.2
58	73.8	59.1	88.7

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#50

Toluene-d8

Concen: 45.067 ug/l

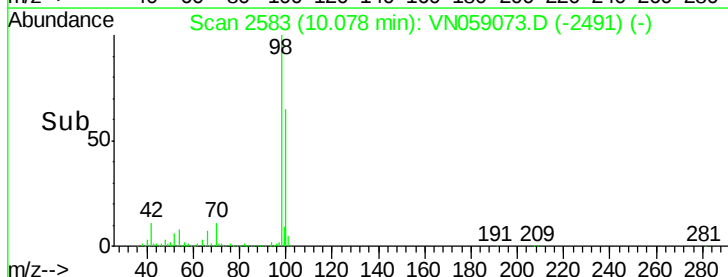
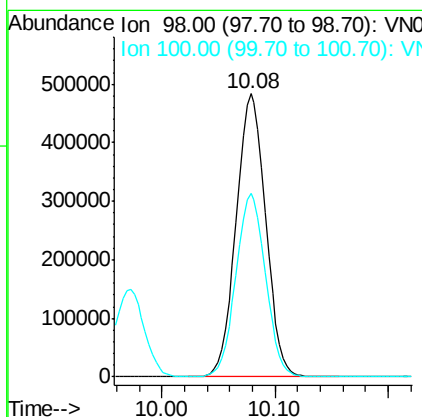
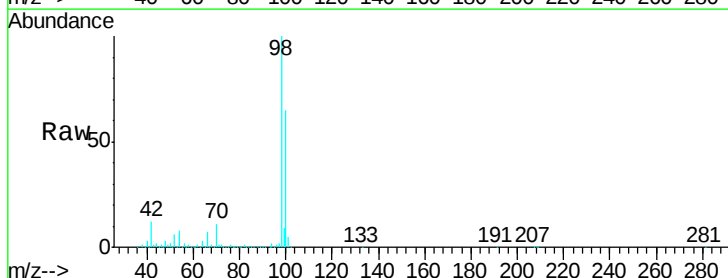
RT: 10.08 min Scan# 2583

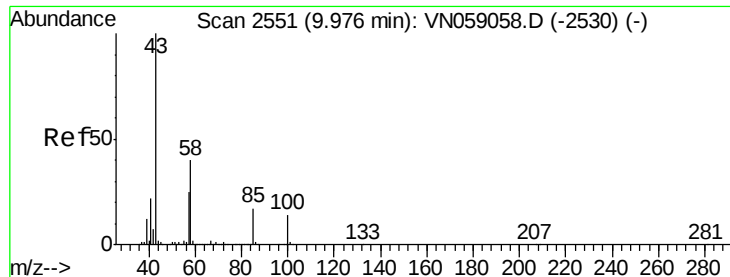
Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion:	98	Resp:	880288
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





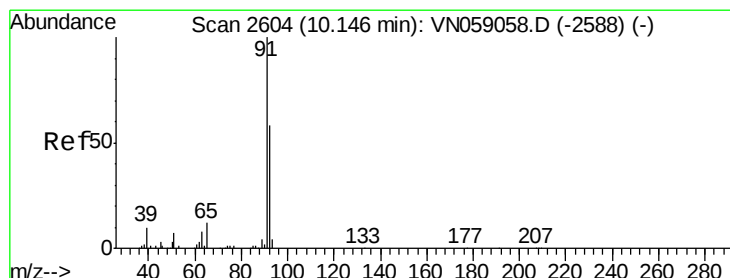
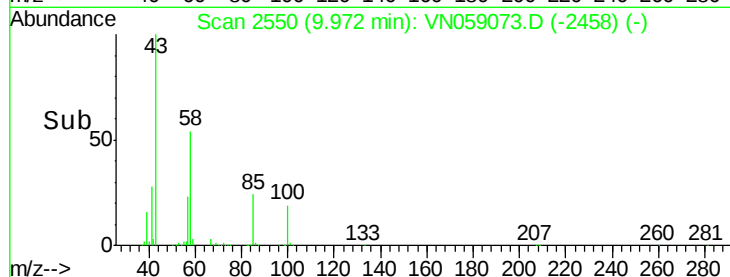
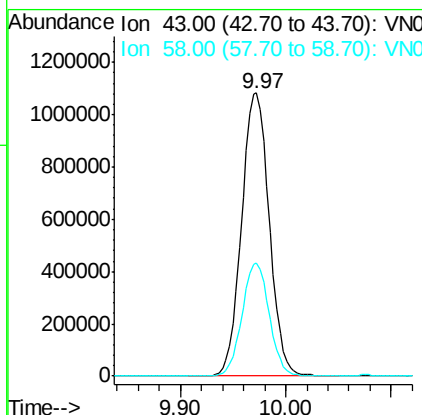
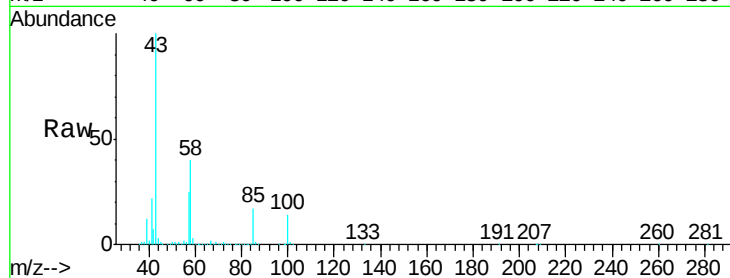
#51
4-Methyl-2-Pentanone
Concen: 252.612 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1970819
Ion Ratio Lower Upper
43 100
58 39.3 31.8 47.6

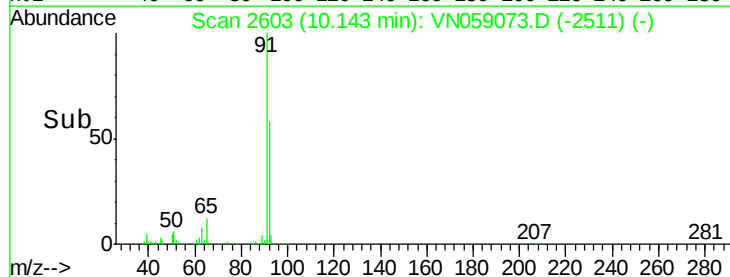
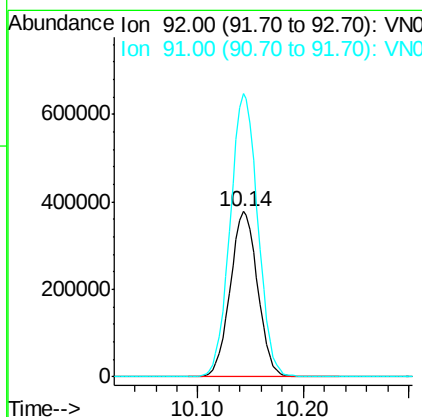
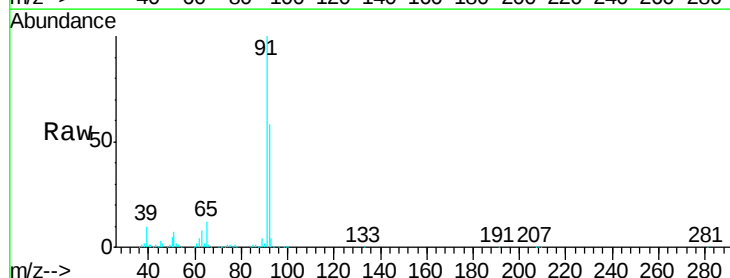
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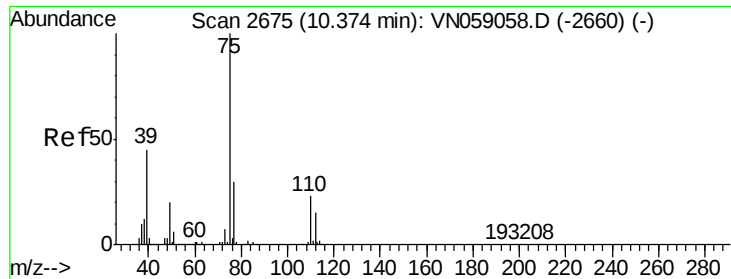
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#52
Toluene
Concen: 50.567 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 92 Resp: 679647
Ion Ratio Lower Upper
92 100
91 172.8 138.7 208.1





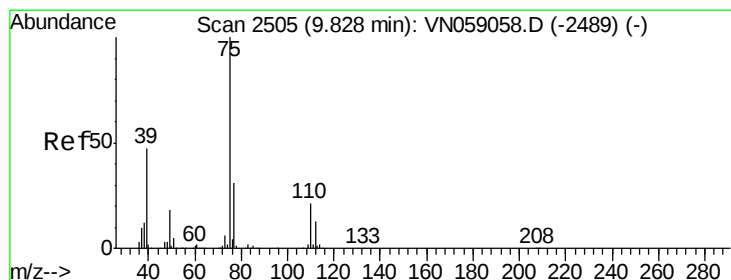
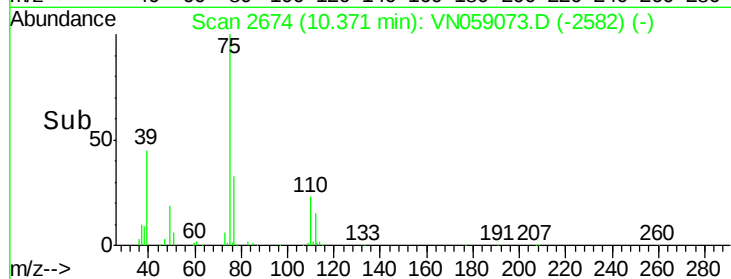
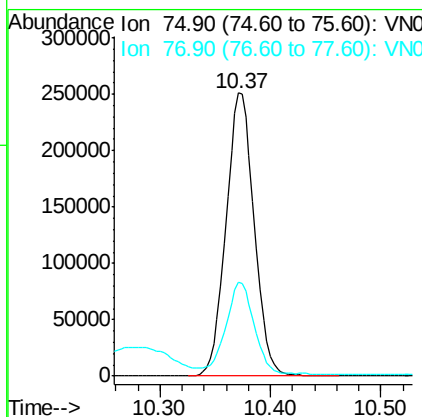
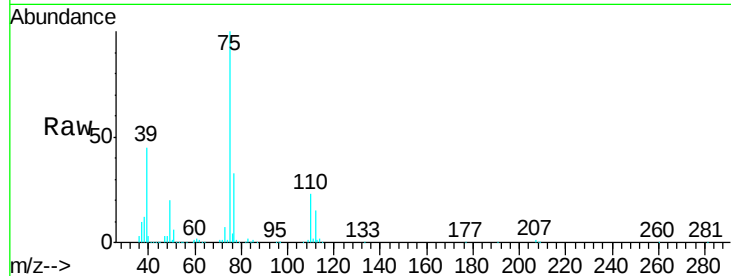
#53
t-1,3-Dichloropropene
Concen: 49.157 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 75 Resp: 441364
Ion Ratio Lower Upper
75 100
77 32.5 25.6 38.4

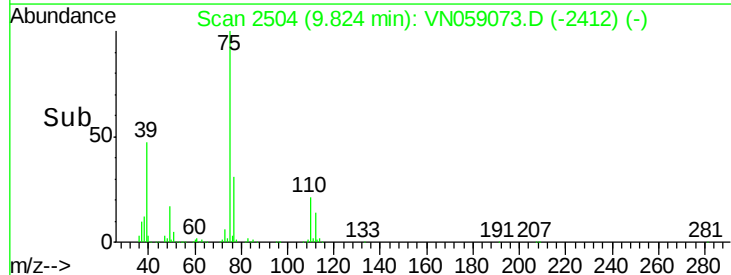
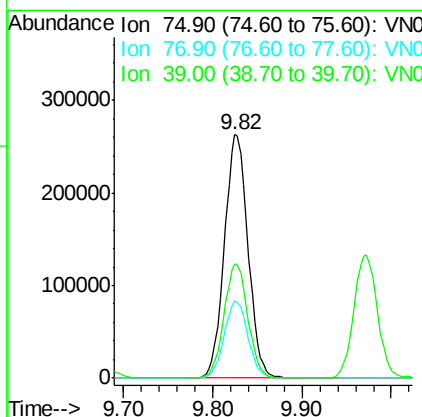
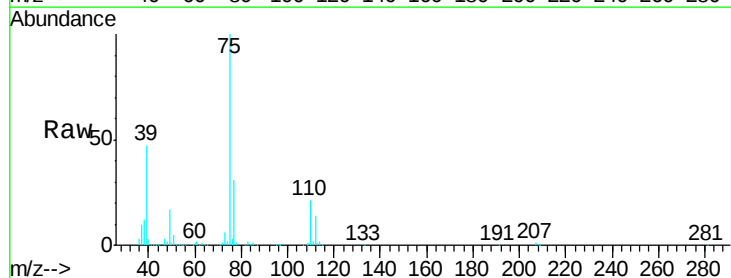
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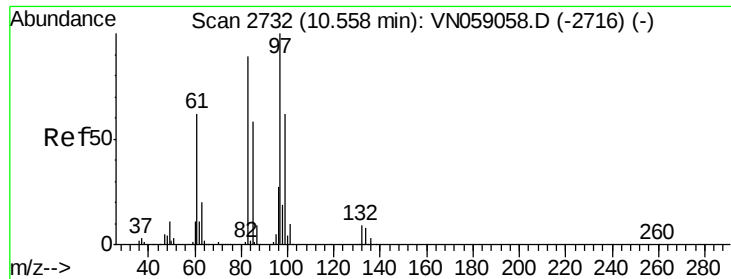
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#54
cis-1,3-Dichloropropene
Concen: 50.692 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 75 Resp: 480075
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0
39 46.8 37.4 56.2





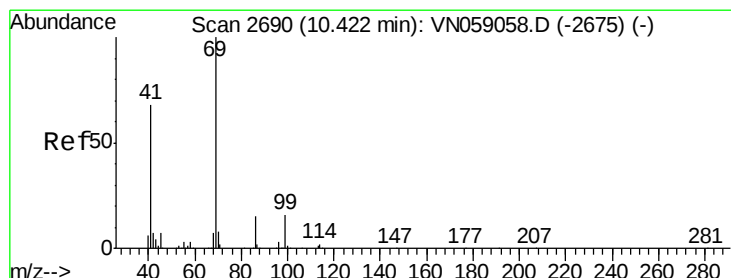
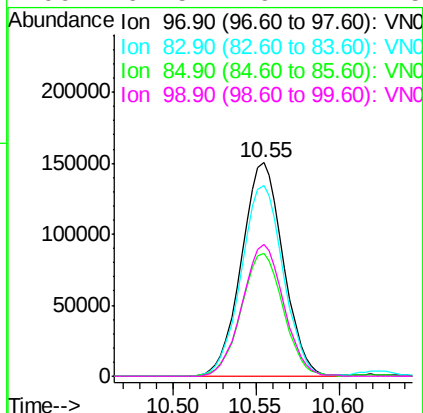
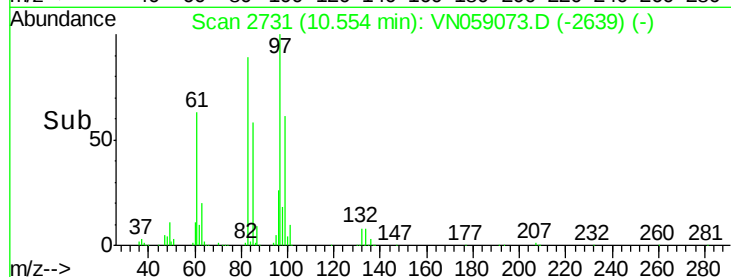
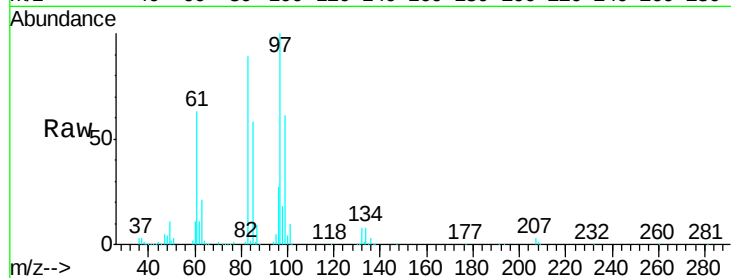
#55
 1,1,2-Trichloroethane
 Concen: 48.142 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.4	107.2
85	57.5	46.6	70.0
99	61.5	49.7	74.5

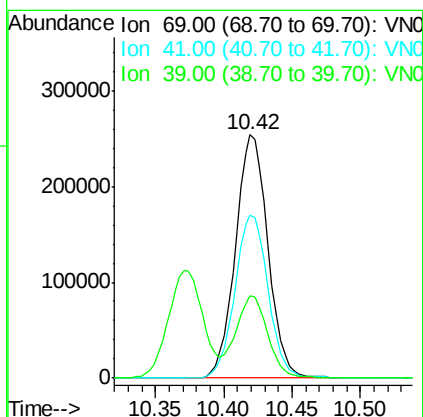
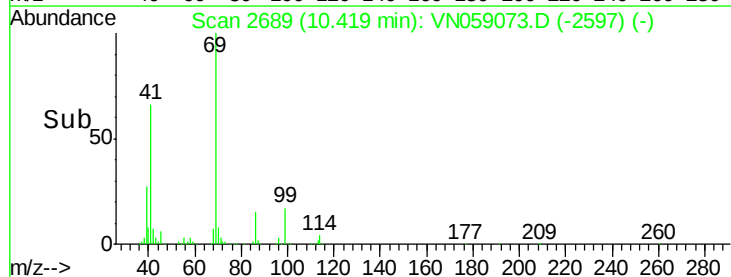
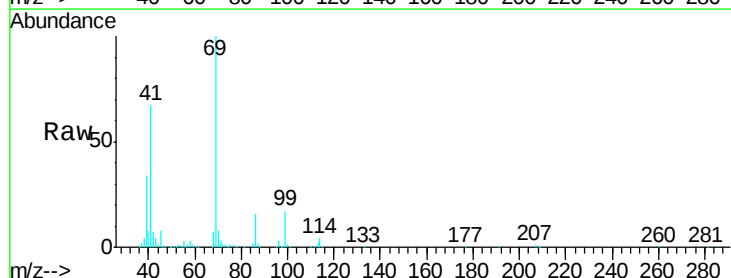
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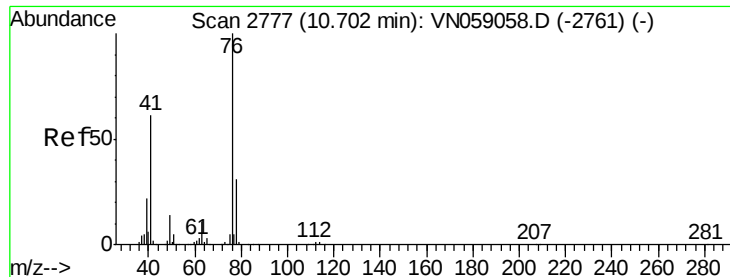
MMDadoda
 11/5/2019 1:59:58 PM



#56
 Ethyl methacrylate
 Concen: 45.399 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.6	53.8	80.8
39	33.2	26.2	39.2





#57

1,3-Dichloropropane

Concen: 49.306 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 469484

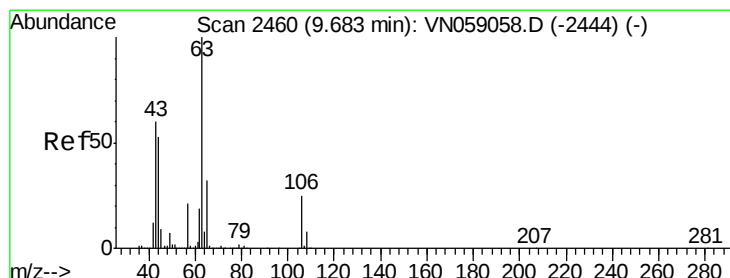
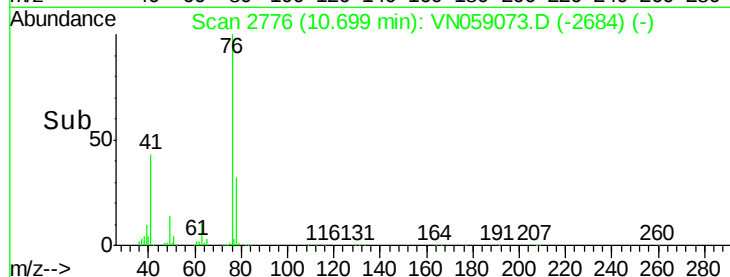
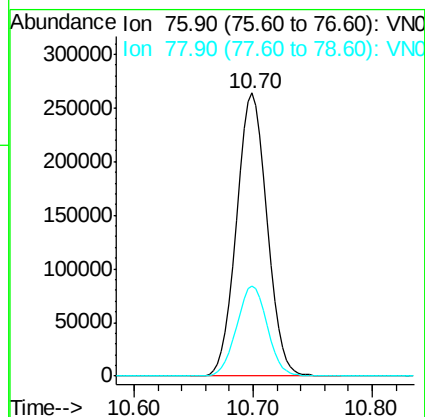
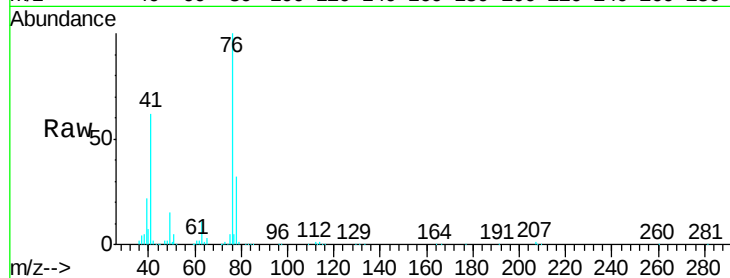
Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6

Manual Integrations
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11/5/2019 1:59:58 PM



#58

2-Chloroethyl Vinyl ether

Concen: 231.559 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059073.D

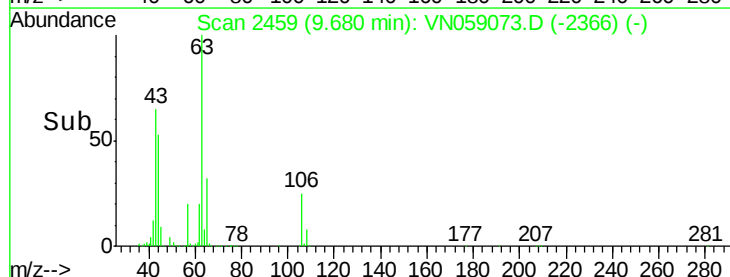
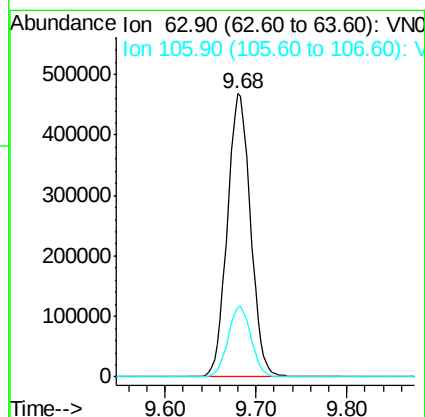
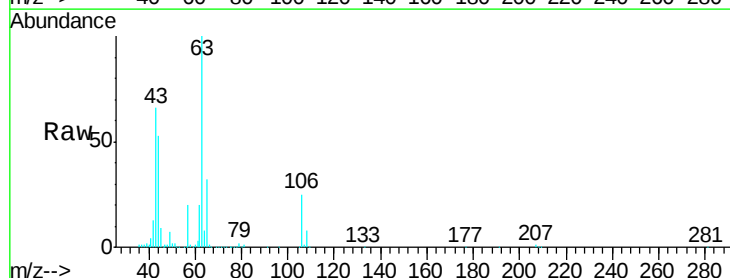
Acq: 4 Nov 2019 9:49

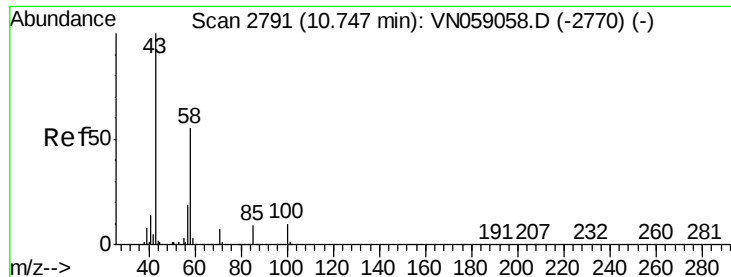
Tgt Ion: 63 Resp: 831177

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.6





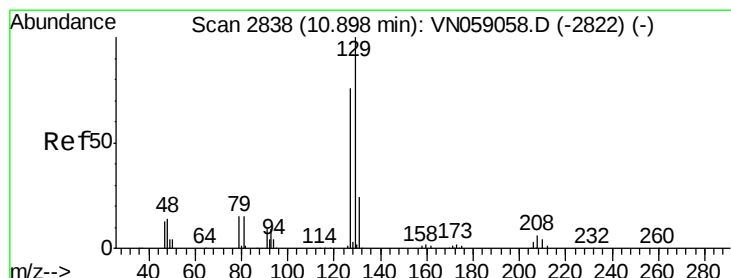
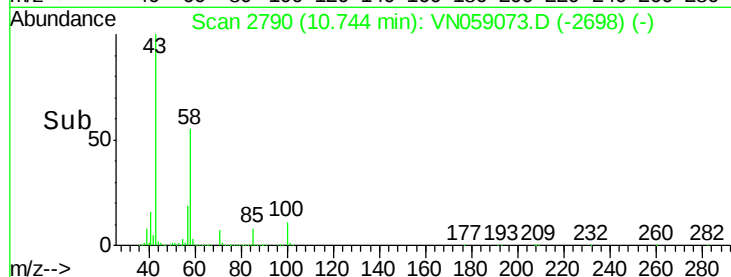
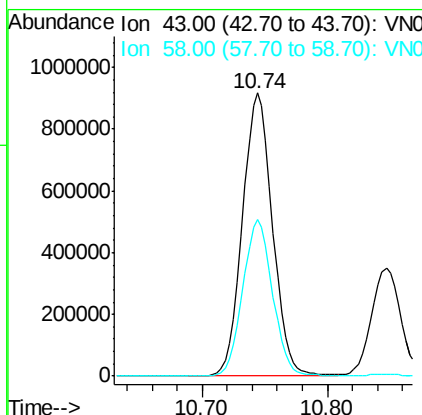
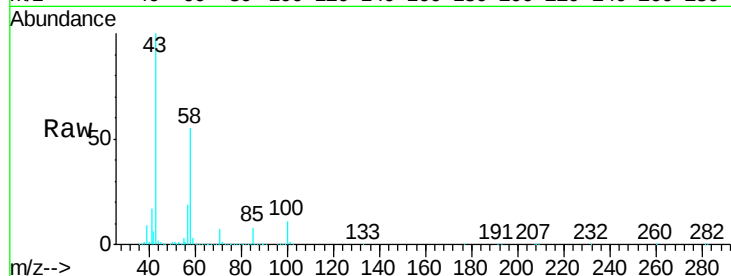
#59
2-Hexanone
Concen: 257.671 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1527211
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.2

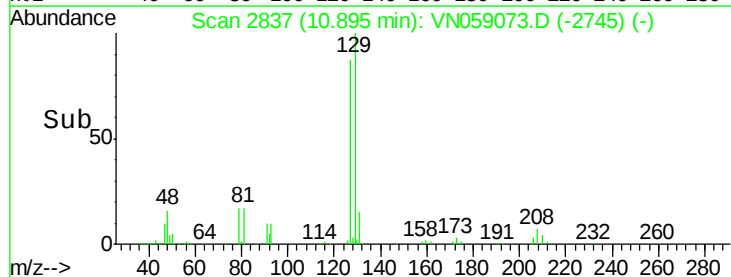
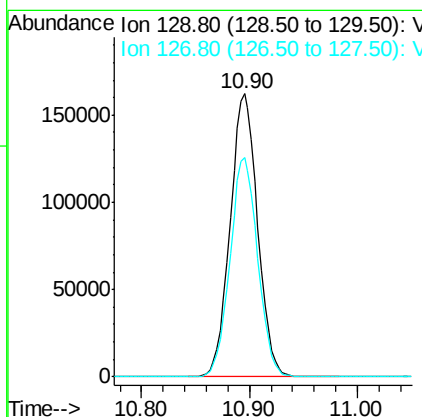
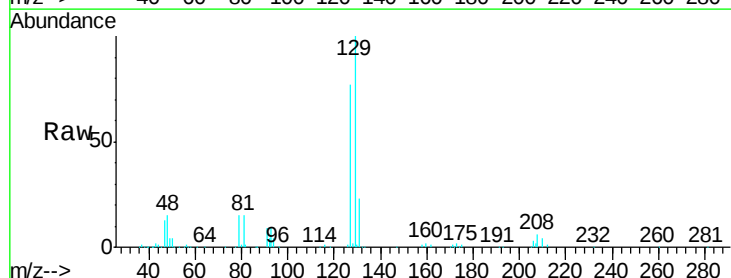
Manual Integrations
APPROVED

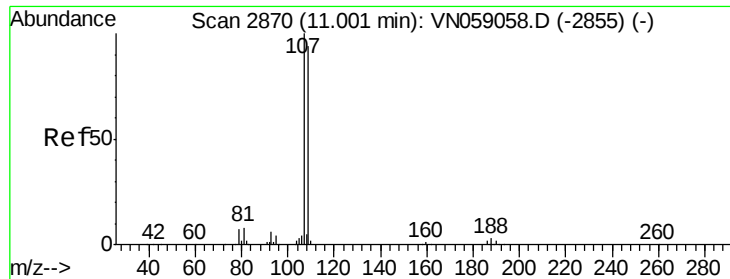
MMDadoda
11/5/2019 1:59:58 PM



#60
Dibromochloromethane
Concen: 48.741 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 129 Resp: 287596
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.101 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 272340

Ion Ratio Lower Upper

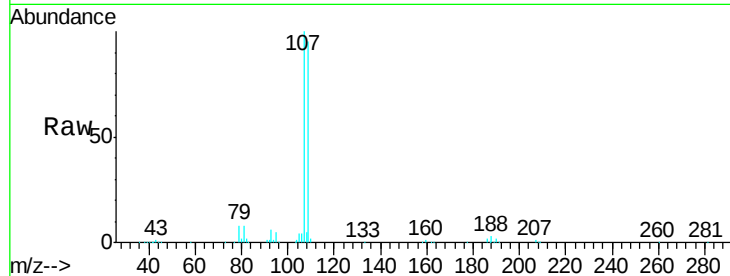
107 100

109 94.1 75.5 113.3

Manual Integrations
APPROVED

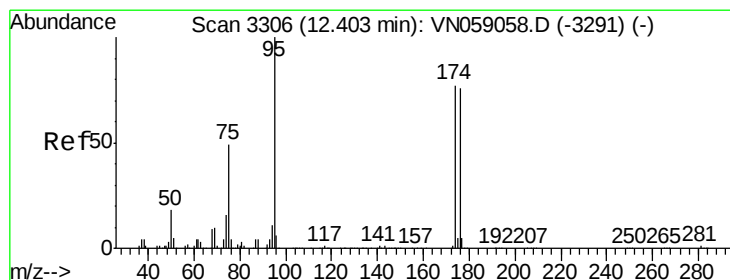
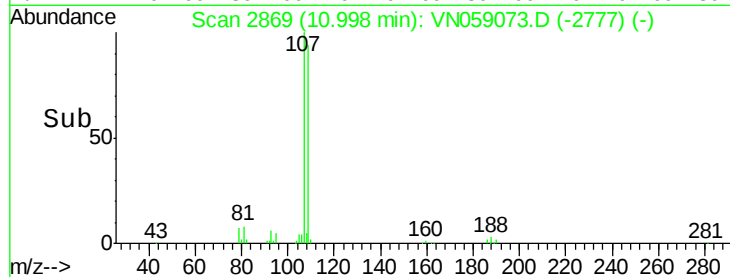
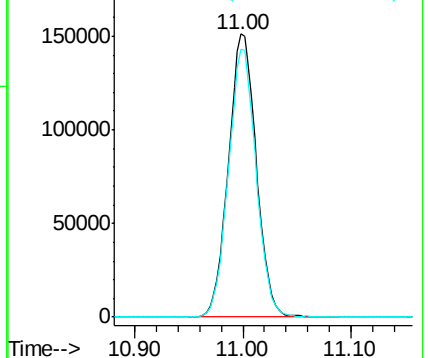
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.404 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

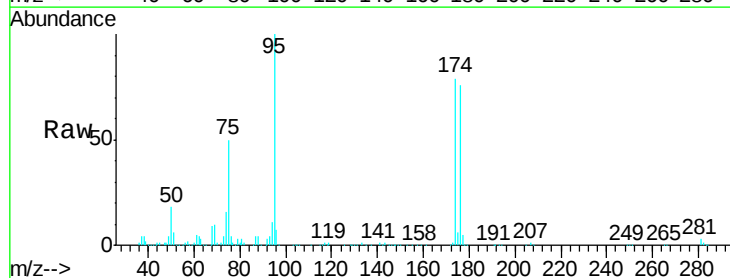
Tgt Ion: 95 Resp: 318804

Ion Ratio Lower Upper

95 100

174 78.3 0.0 155.8

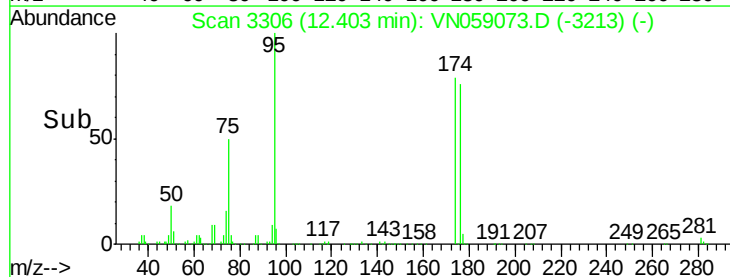
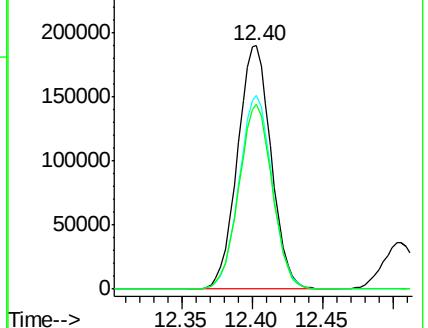
176 75.5 0.0 151.6

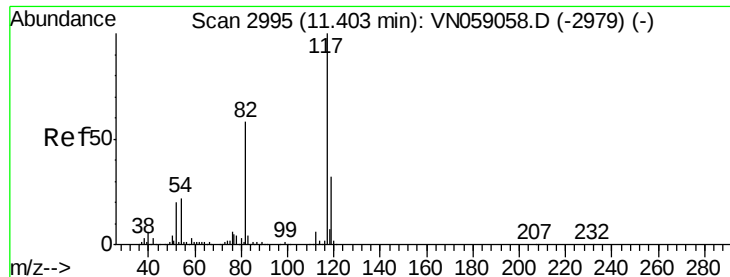


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

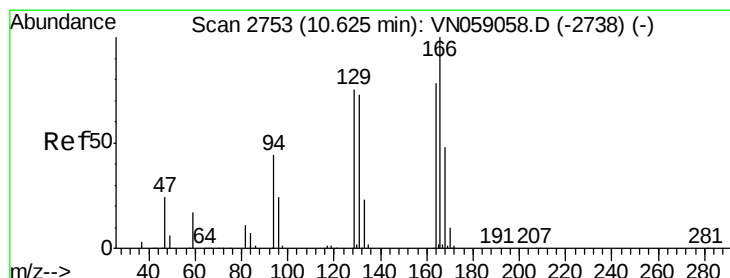
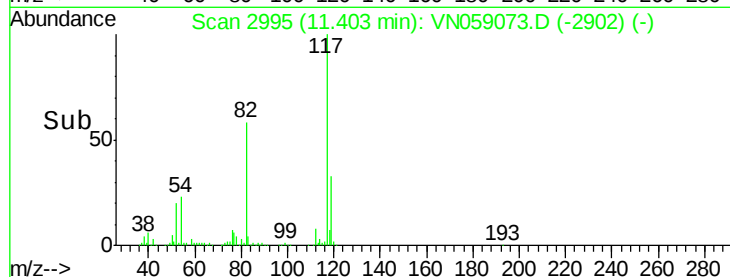
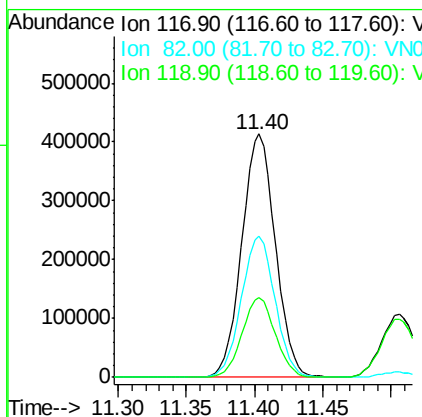
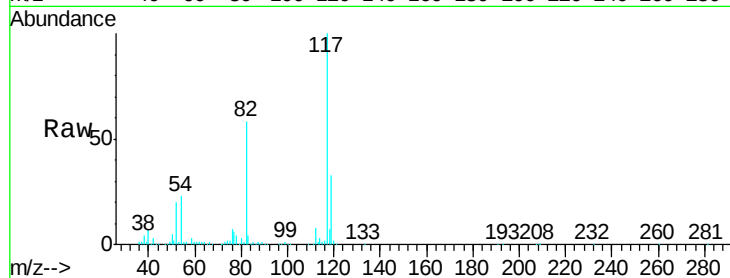
ClientSampleId :

VSTDCCC050

Tgt Ion:	117	Resp:	707491
Ion Ratio	Lower	Upper	
117	100		
82	57.9	46.0	69.0
119	32.7	25.6	38.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 48.170 ug/l

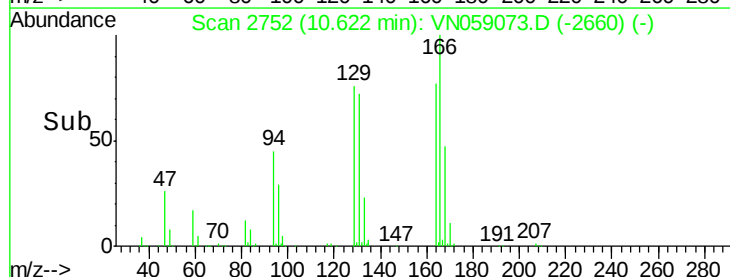
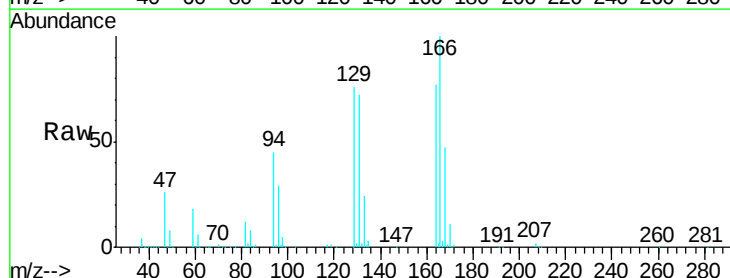
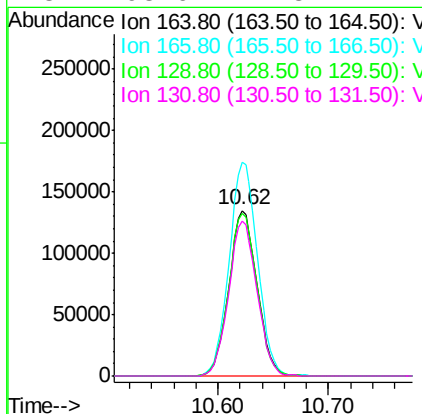
RT: 10.62 min Scan# 2752

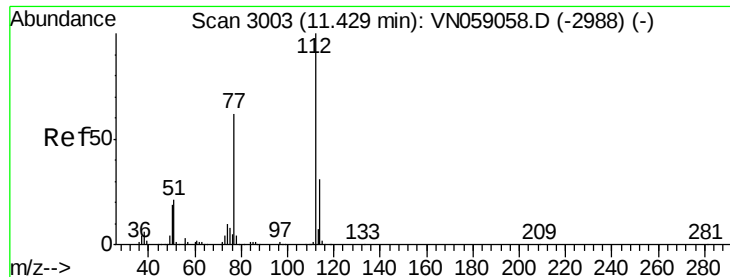
Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion:	164	Resp:	238062
Ion Ratio	Lower	Upper	
164	100		
166	129.1	102.7	154.1
129	98.6	77.3	115.9
131	93.6	74.8	112.2





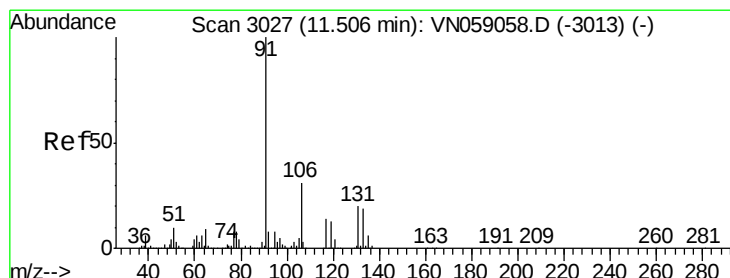
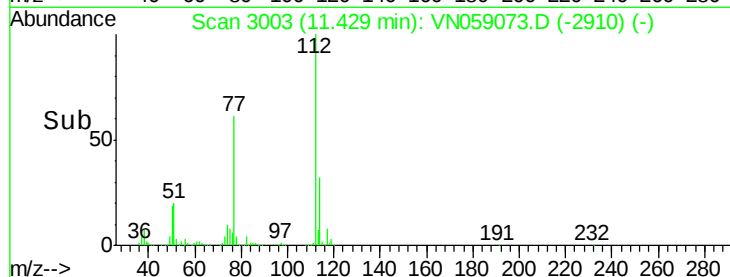
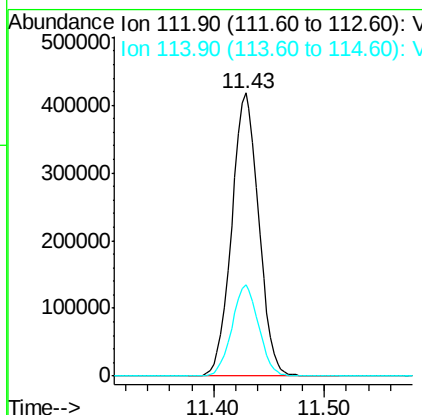
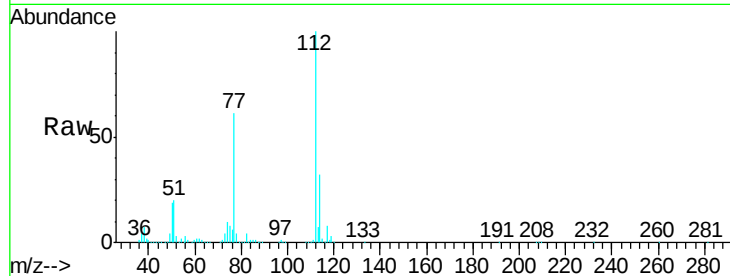
#65
Chlorobenzene
Concen: 48.968 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 711042
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

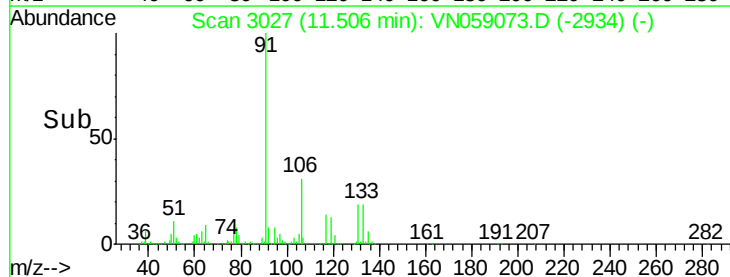
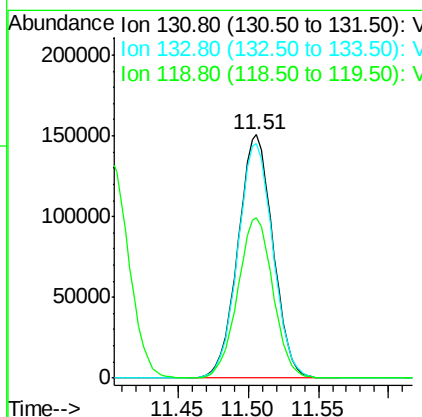
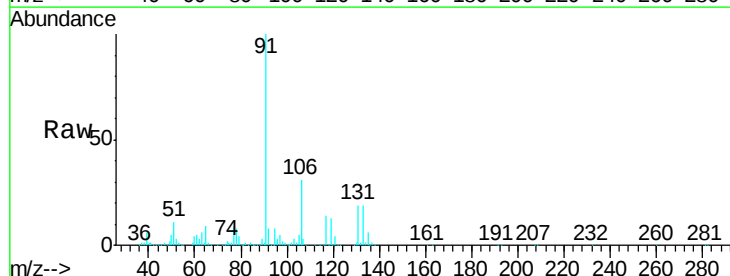
Manual Integrations
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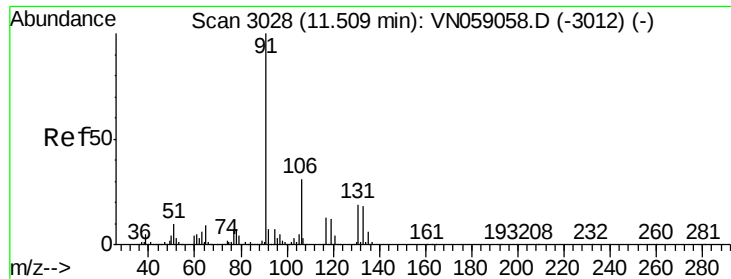
MMDadoda
11/5/2019 1:59:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.014 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion:131 Resp: 261846
Ion Ratio Lower Upper
131 100
133 96.6 47.9 143.6
119 66.4 33.5 100.5





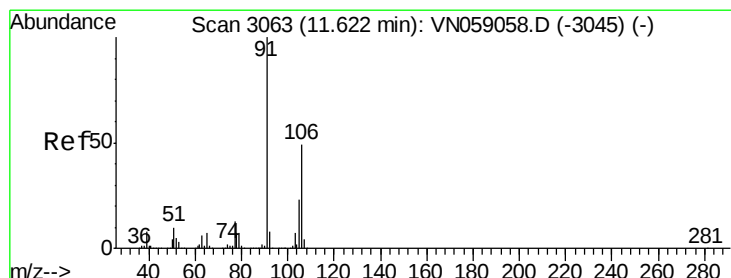
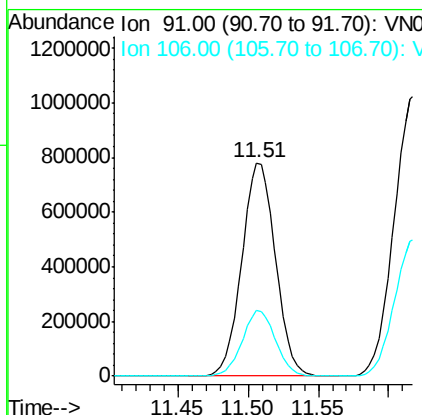
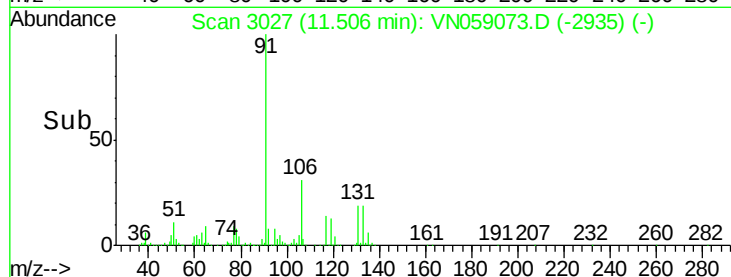
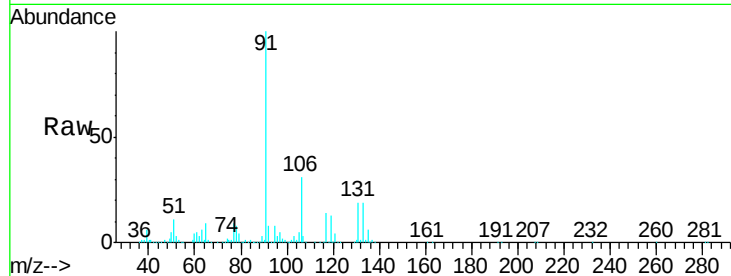
#67
Ethyl Benzene
Concen: 51.842 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1303126
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

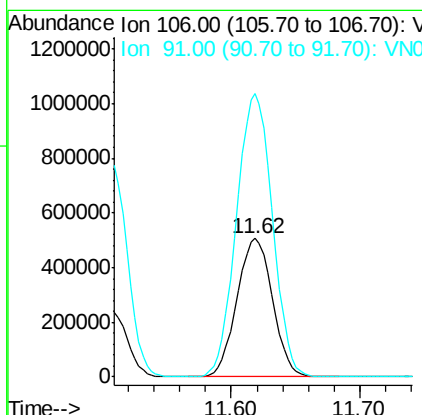
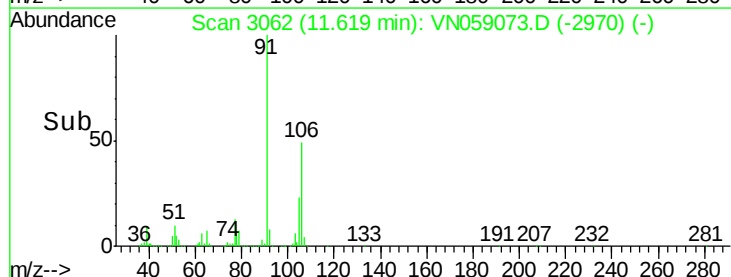
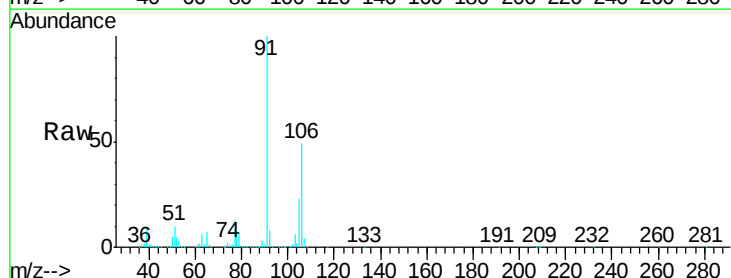
Manual Integrations
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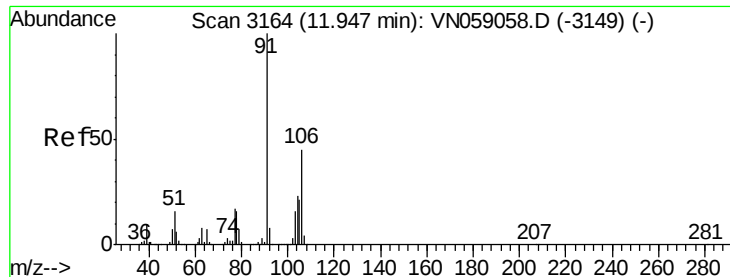
MMDadoda
11/5/2019 1:59:58 PM



#68
m/p-Xylenes
Concen: 103.476 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 106 Resp: 971261
Ion Ratio Lower Upper
106 100
91 206.8 165.7 248.5





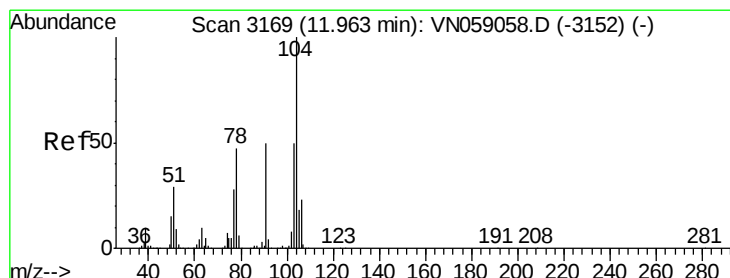
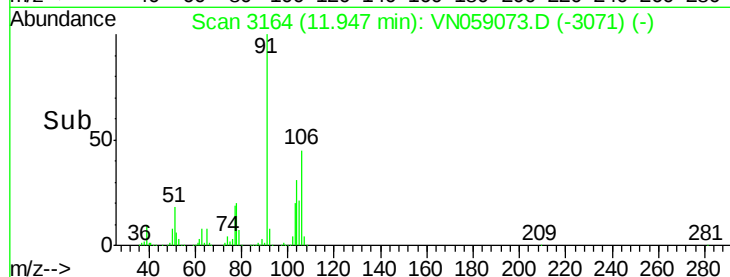
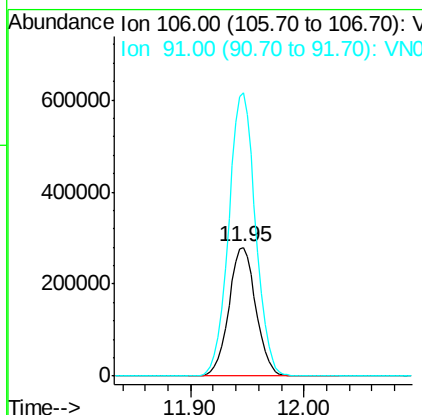
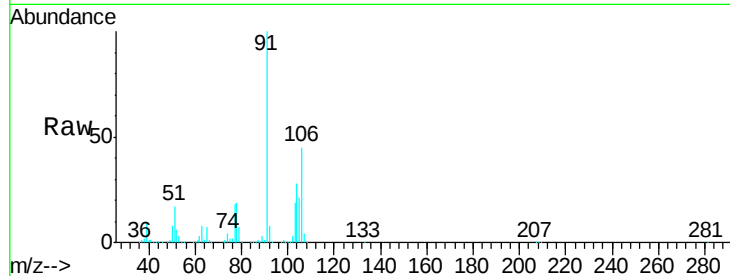
#69
o-Xylene
Concen: 51.627 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 462737
Ion Ratio Lower Upper
106 100
91 219.4 110.4 331.2

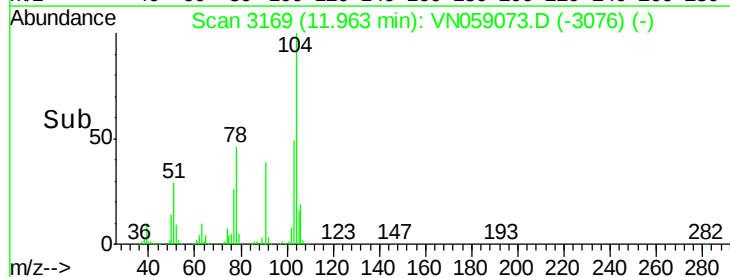
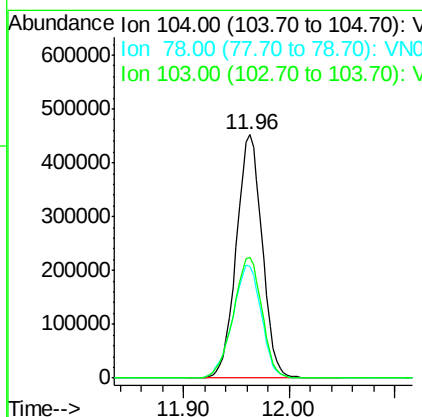
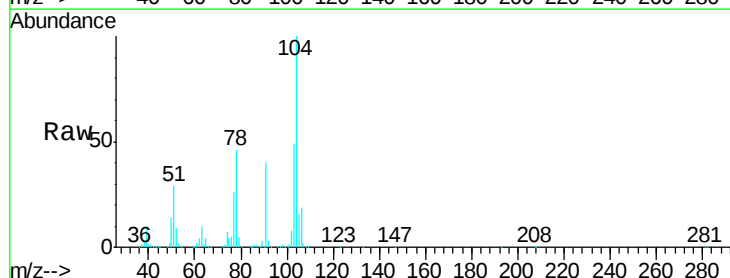
Manual Integrations
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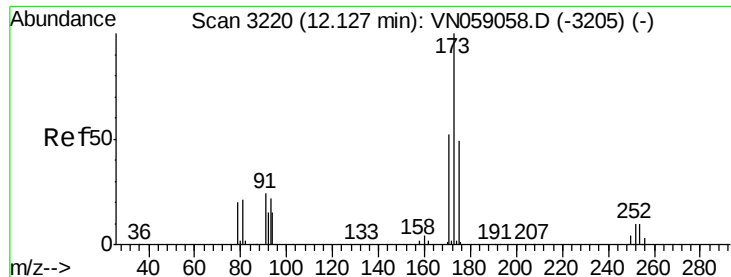
MMDadoda
11/5/2019 1:59:58 PM



#70
Styrene
Concen: 52.849 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion:104 Resp: 767618
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.8 43.9 65.9





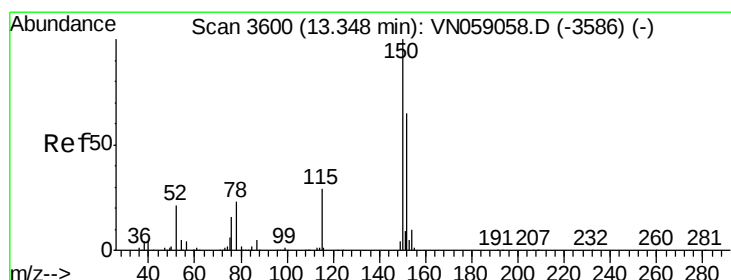
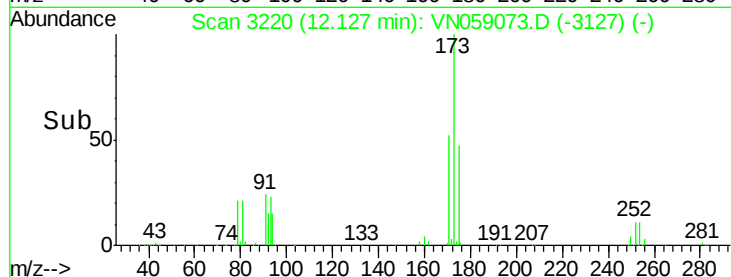
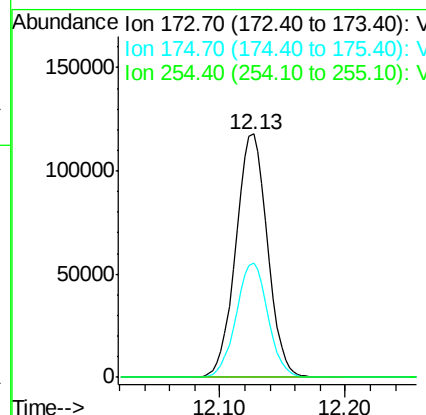
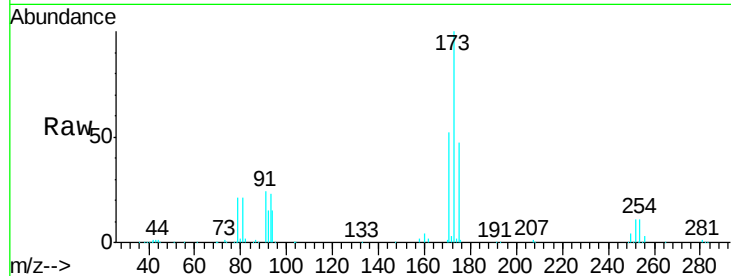
#71
Bromoform
Concen: 49.945 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.4	73.2
254	0.1	0.1	0.1

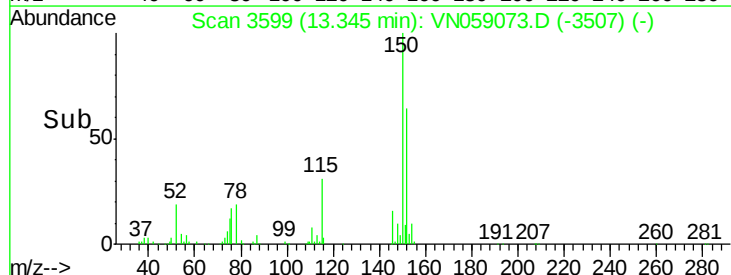
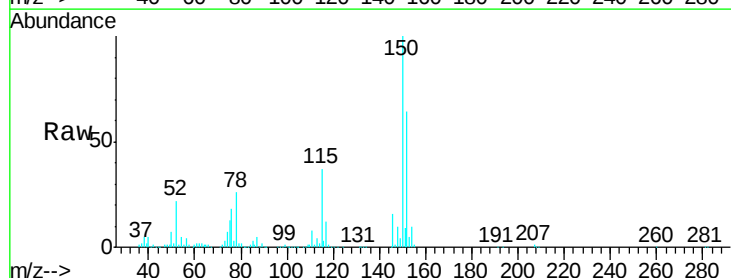
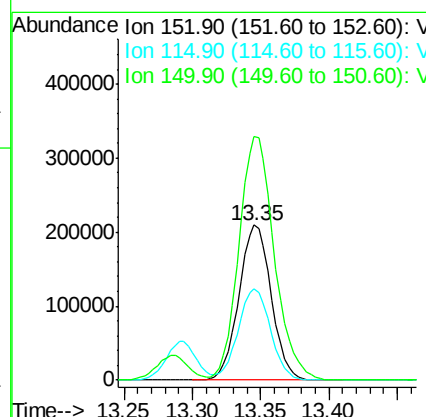
Manual Integrations
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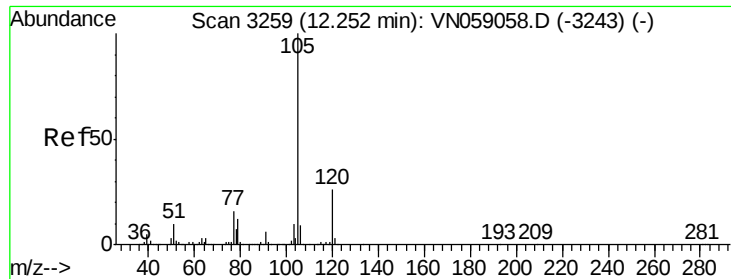
MMDadoda
11/5/2019 1:59:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.6	88.9
150	172.3	0.0	345.8





#73

Isopropylbenzene

Concen: 49.673 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1253801

Ion Ratio Lower Upper

105 100

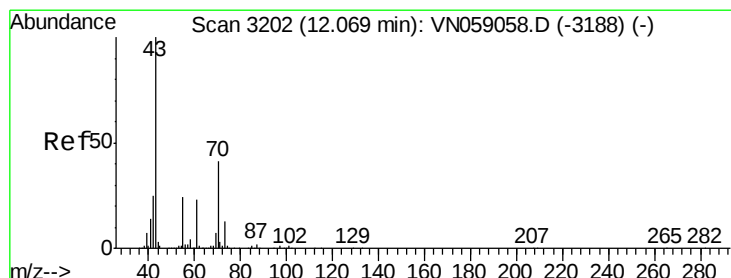
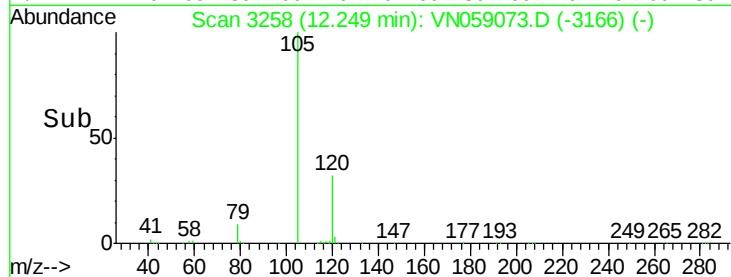
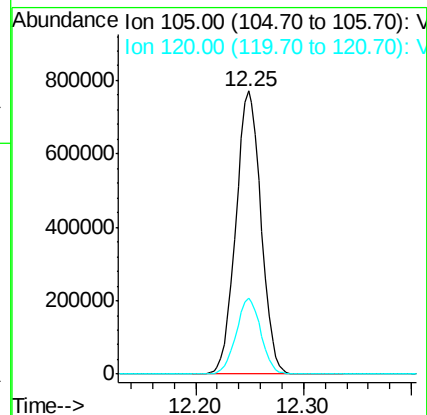
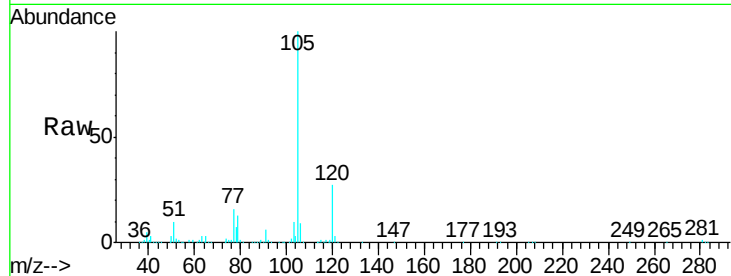
120 26.3 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.308 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion: 43 Resp: 542404

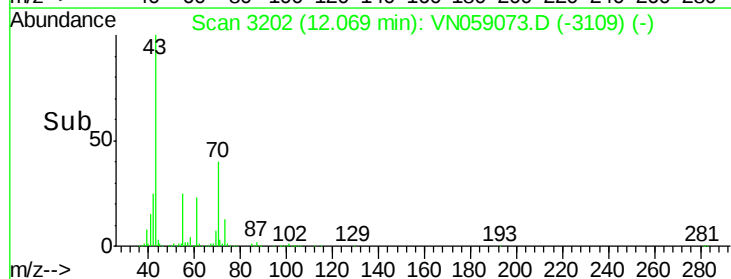
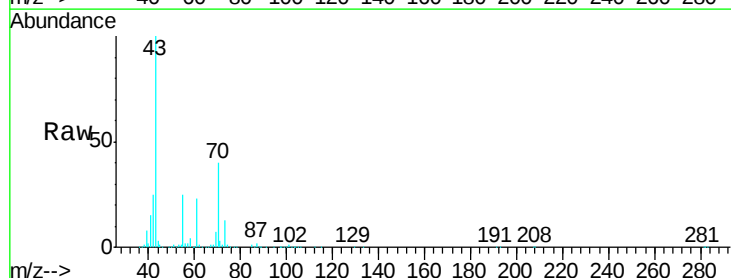
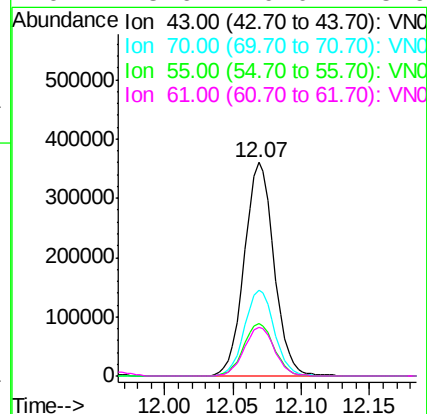
Ion Ratio Lower Upper

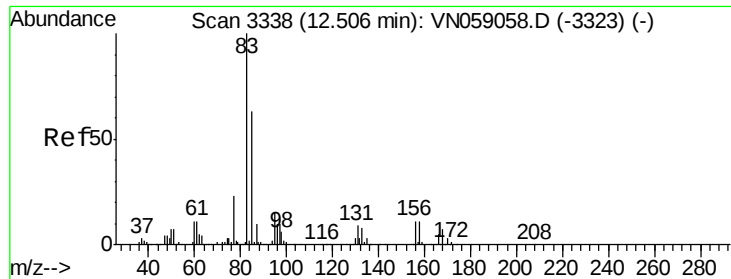
43 100

70 40.8 32.6 49.0

55 25.7 19.7 29.5

61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.547 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 400542
Ion Ratio Lower Upper

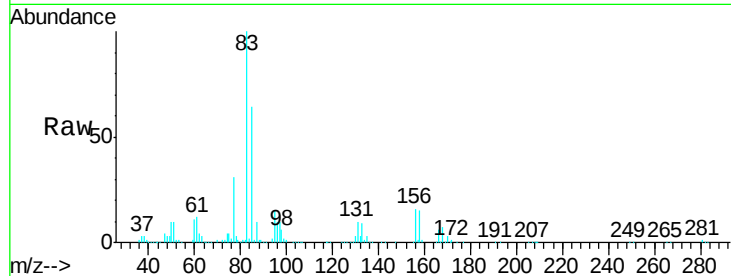
83 100

131 9.8 4.9 14.7

85 64.5 31.9 95.9

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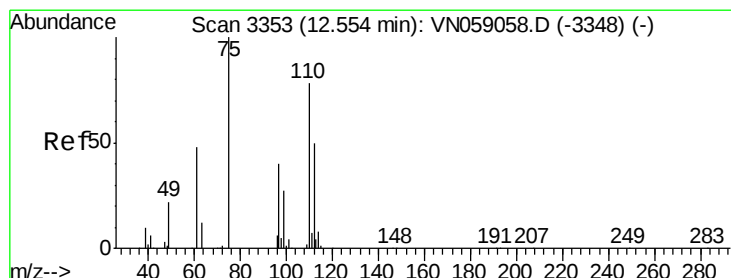
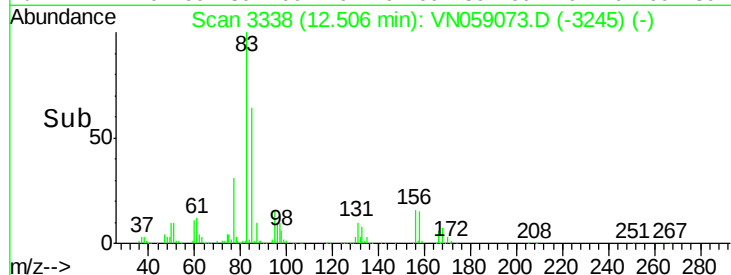
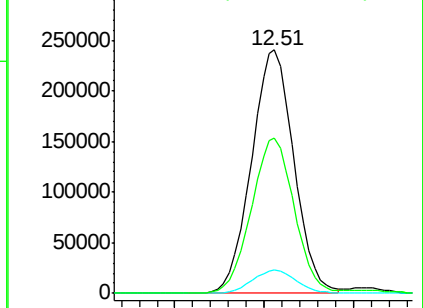
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 43.893 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

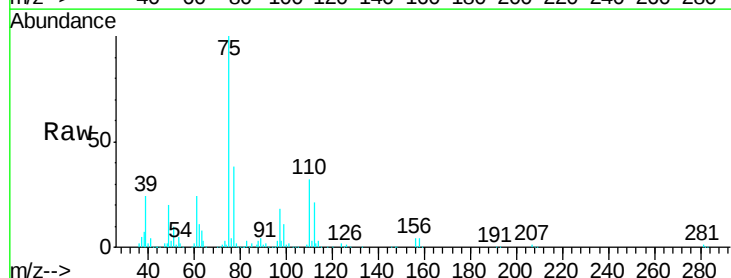
Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion: 75 Resp: 356372
Ion Ratio Lower Upper

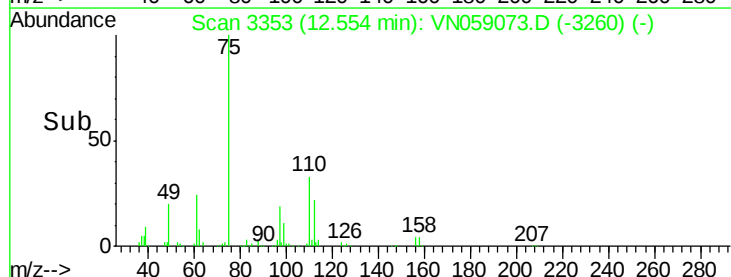
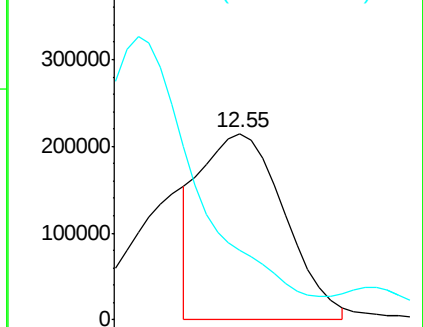
75 100

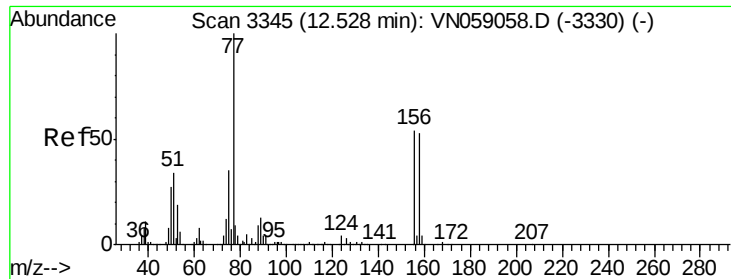
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.528 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

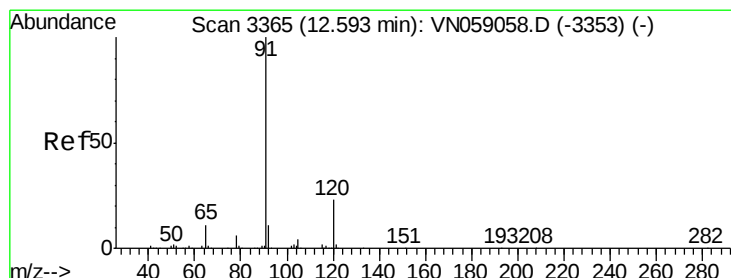
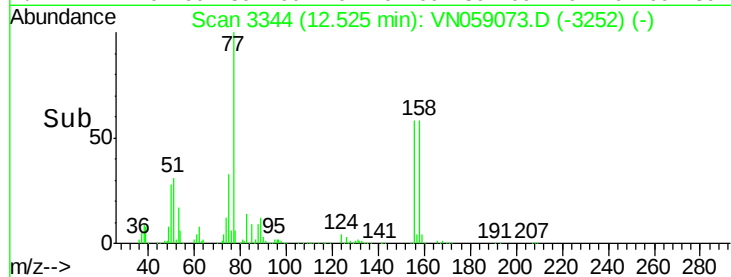
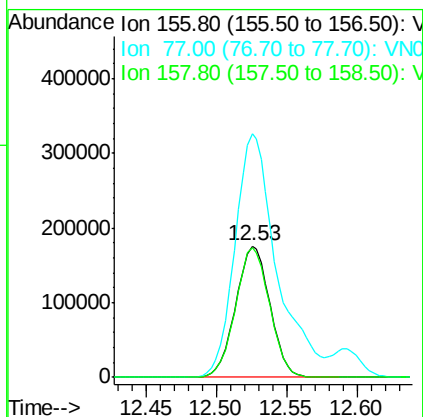
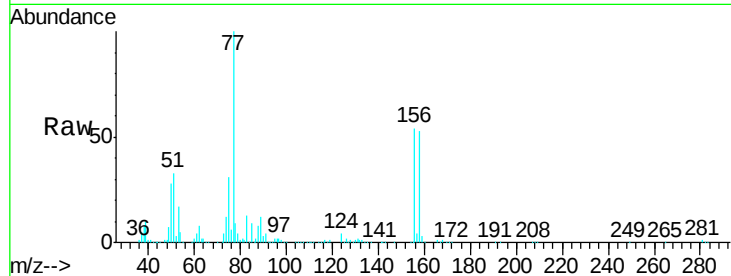
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	226.3	114.2	342.6
158	97.9	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 50.985 ug/l

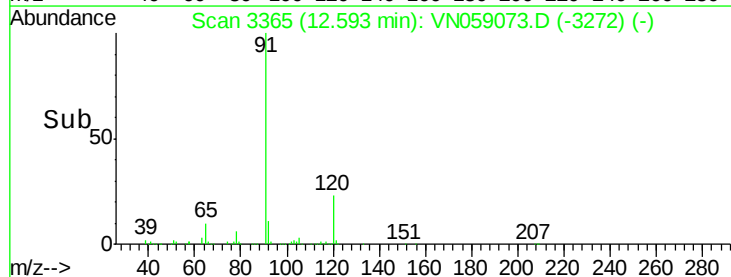
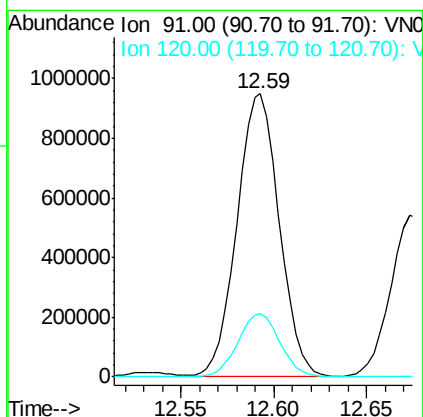
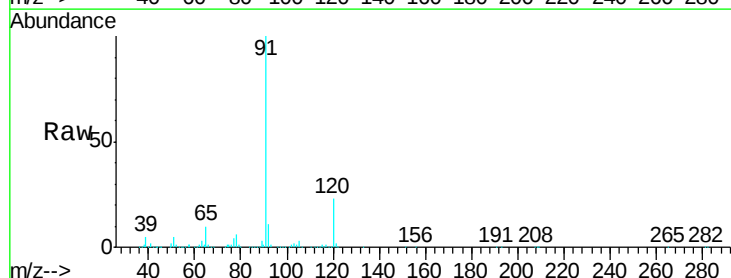
RT: 12.59 min Scan# 3365

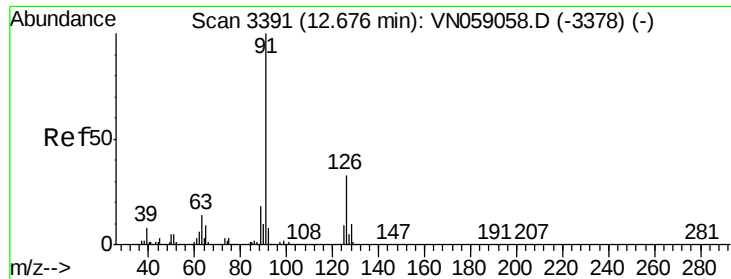
Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5





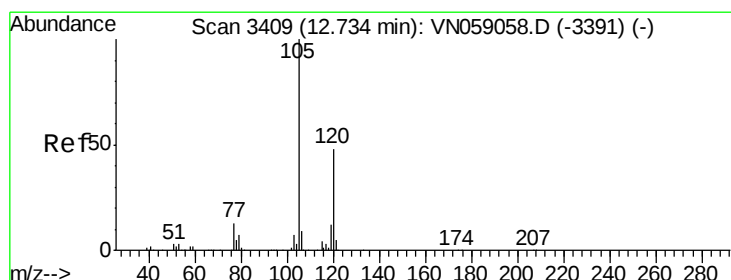
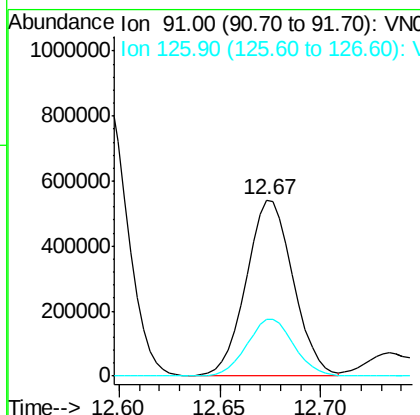
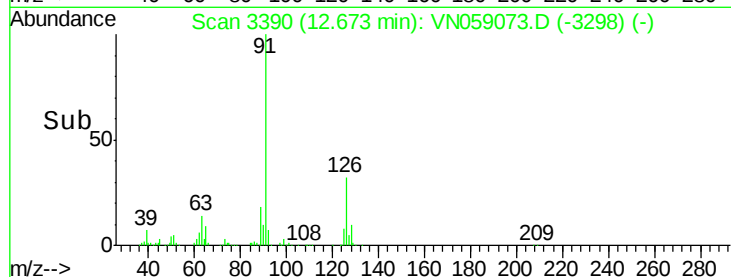
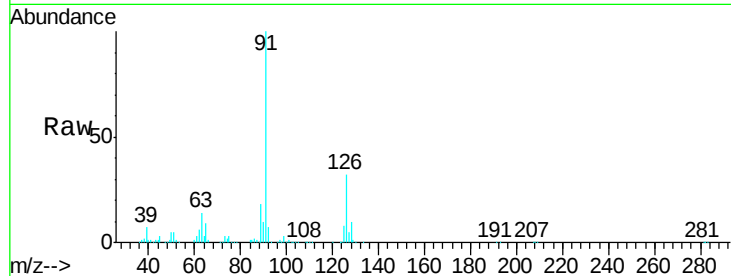
#79
2-Chlorotoluene
Concen: 48.437 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 879250
Ion Ratio Lower Upper
91 100
126 32.7 16.3 48.8

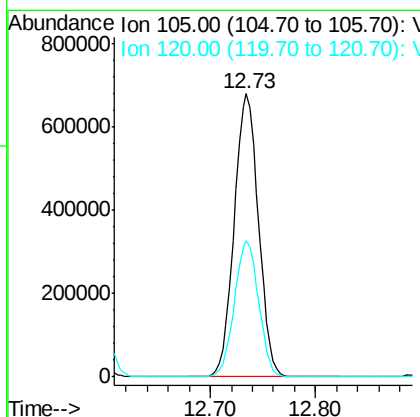
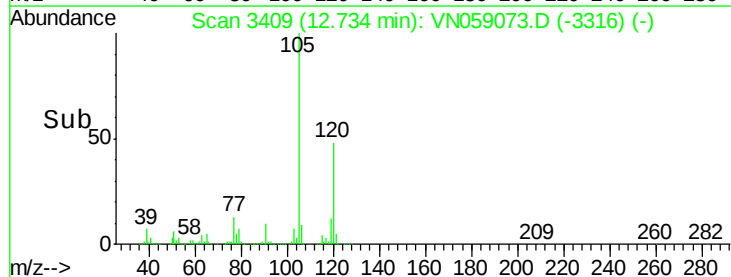
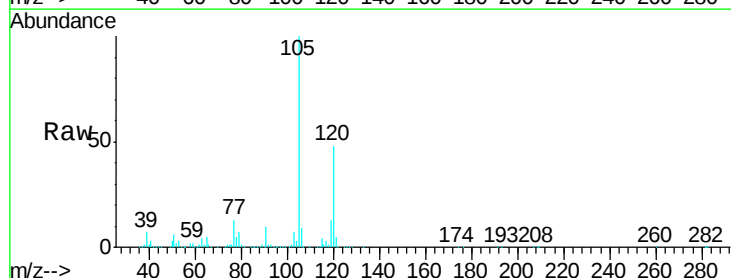
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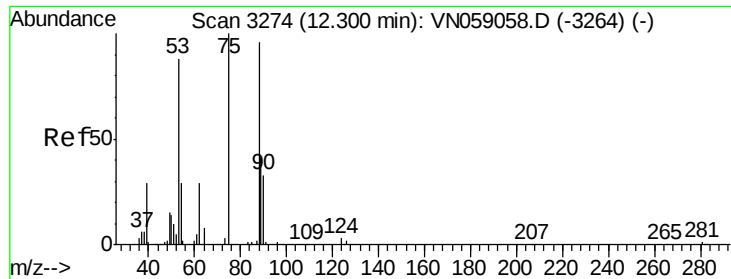
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#80
1,3,5-Trimethylbenzene
Concen: 50.325 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion: 105 Resp: 1079590
Ion Ratio Lower Upper
105 100
120 48.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 46.945 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

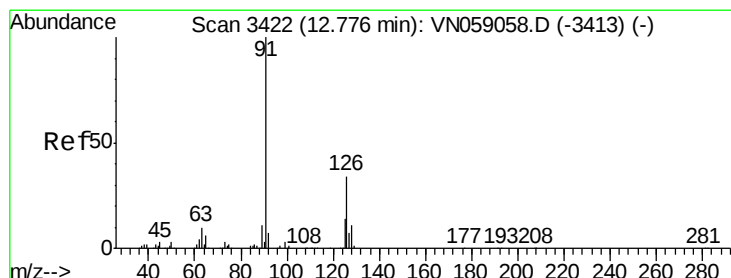
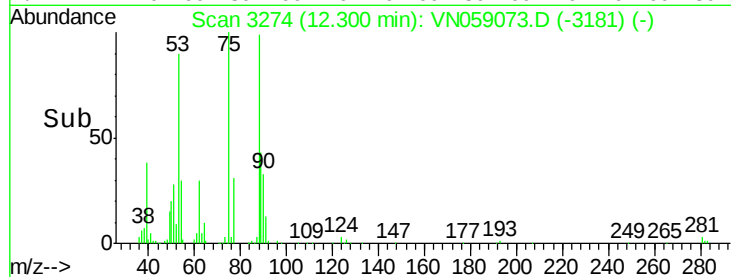
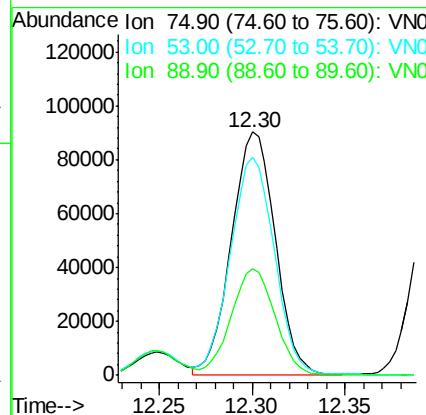
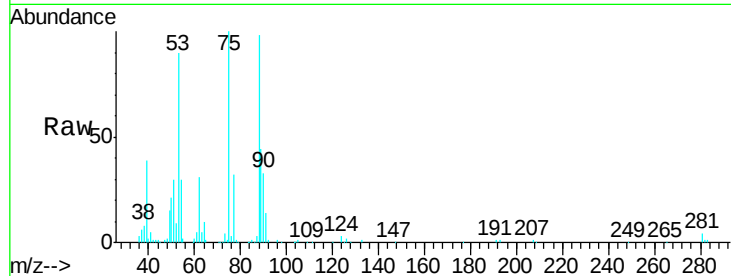
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	148684
Ion Ratio	Lower	Upper	
75	100		
53	90.3	70.4	105.6
89	44.0	34.2	51.2

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#82

4-Chlorotoluene

Concen: 49.303 ug/l

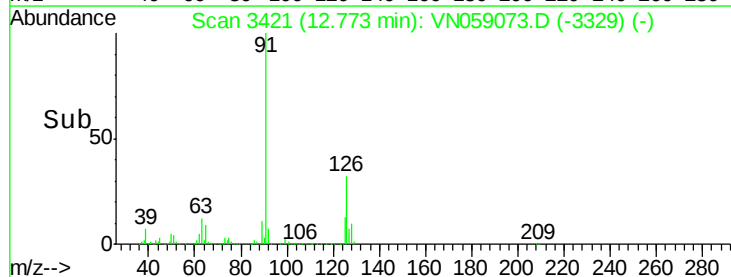
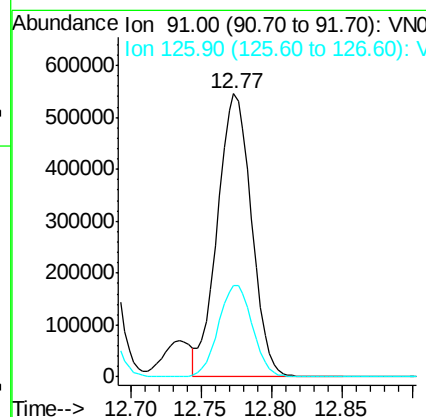
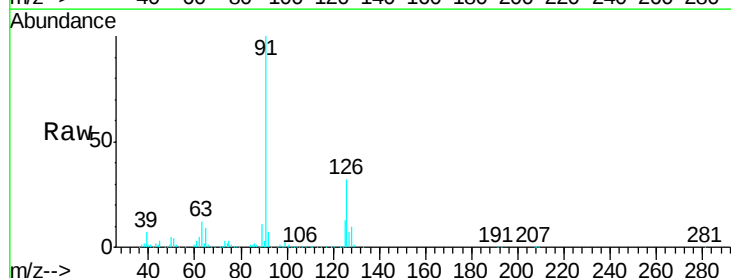
RT: 12.77 min Scan# 3421

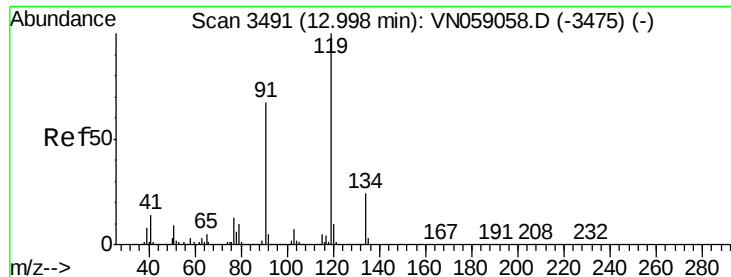
Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion:	91	Resp:	913383
Ion Ratio	Lower	Upper	
91	100		
126	32.1	16.0	47.9





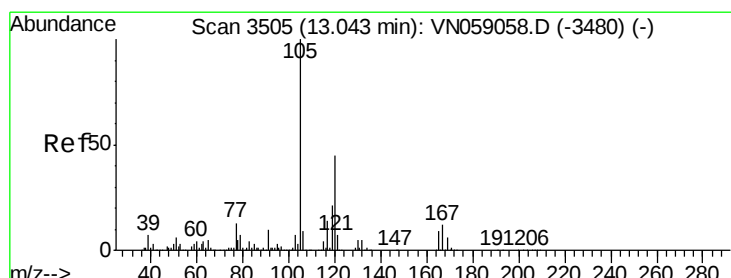
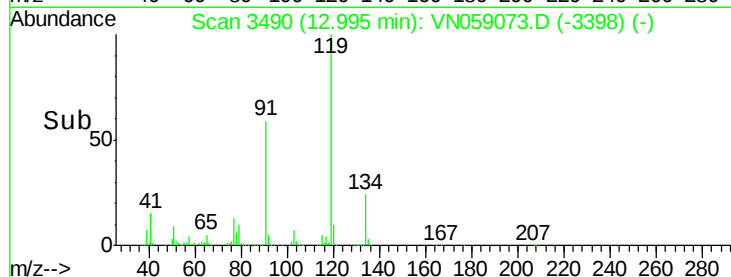
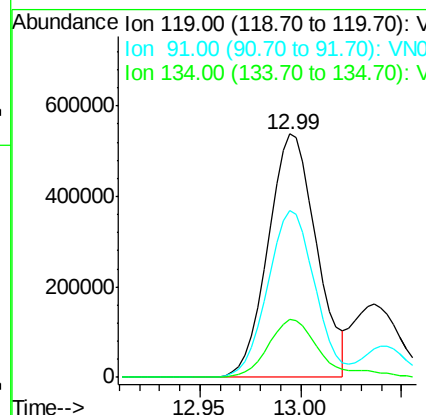
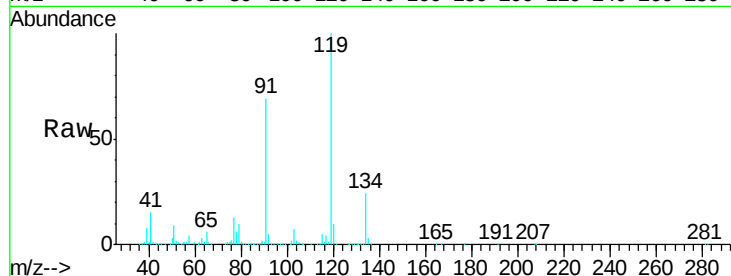
#83
 tert-Butylbenzene
 Concen: 49.121 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.9	33.7	101.0
134	25.6	12.9	38.7

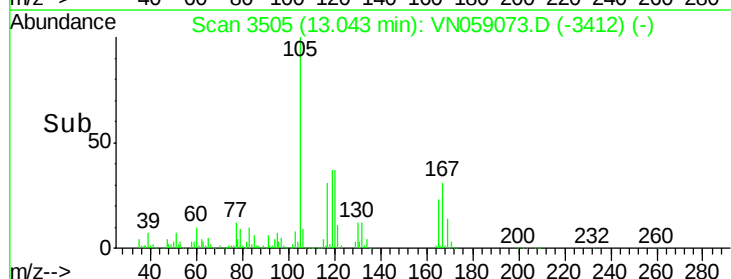
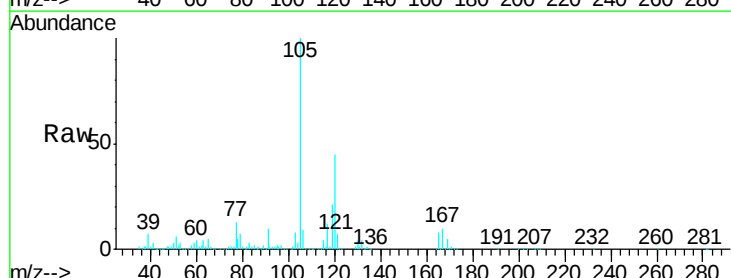
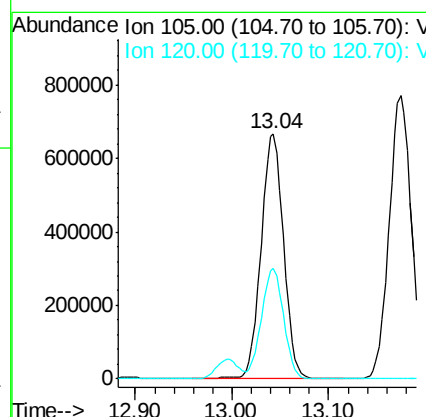
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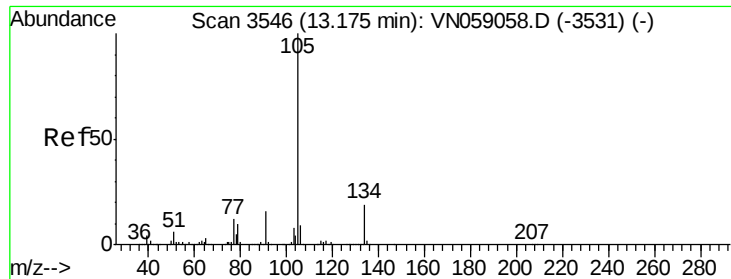
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.585 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.9





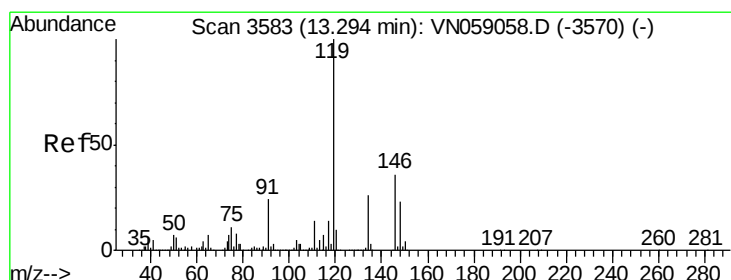
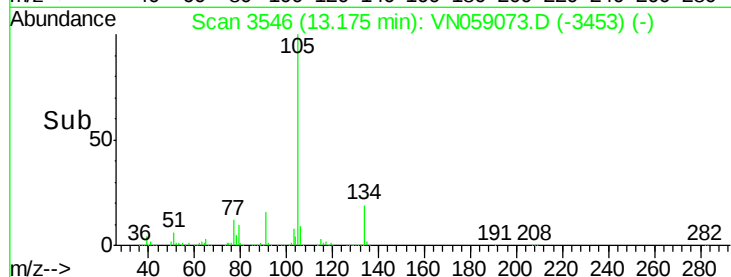
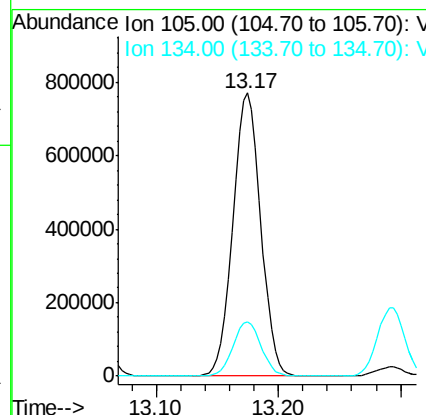
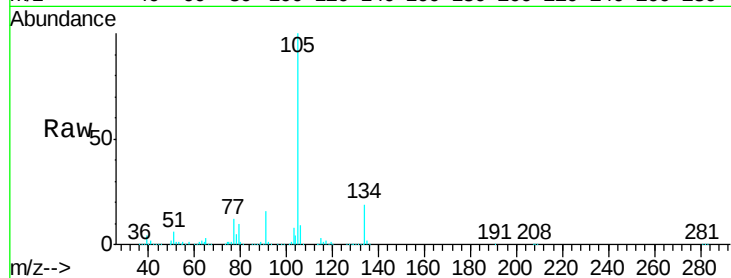
#85
 sec-Butylbenzene
 Concen: 51.197 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1222791
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4

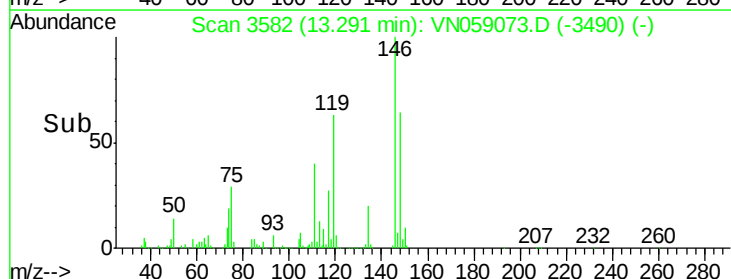
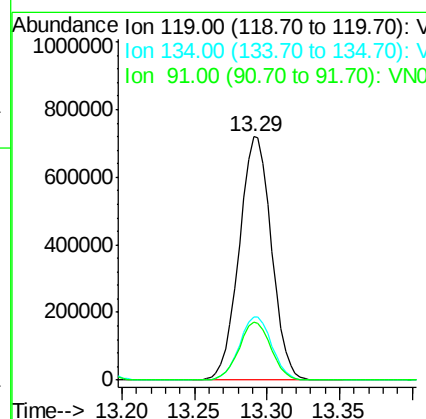
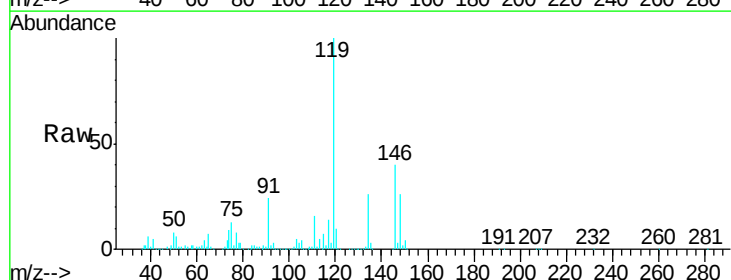
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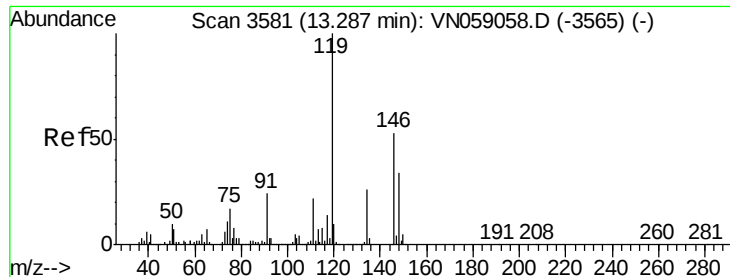
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#86
 p-Isopropyltoluene
 Concen: 51.457 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion:119 Resp: 1107998
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 23.7 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 48.382 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Instrument :

MSVOA_N

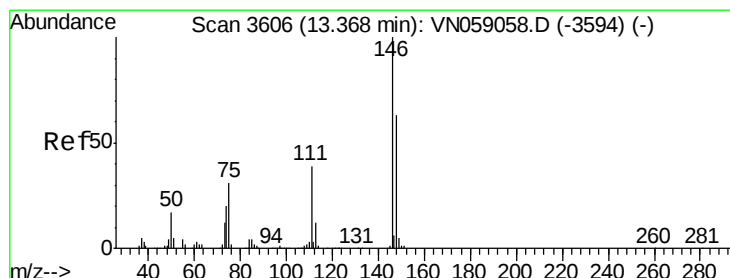
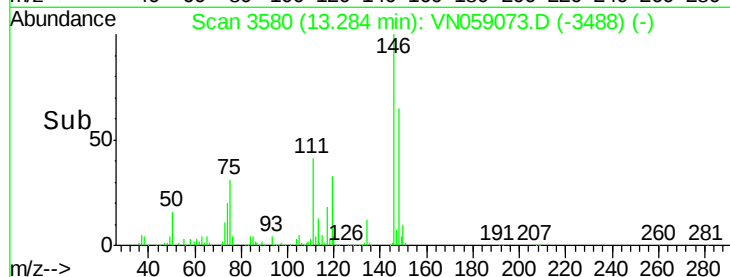
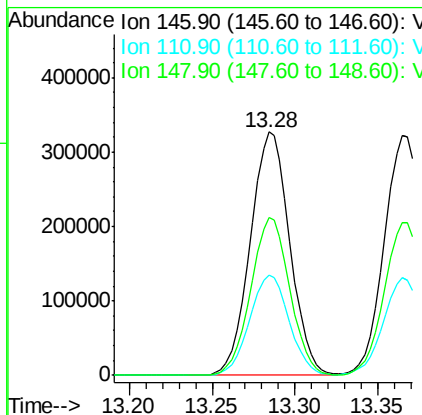
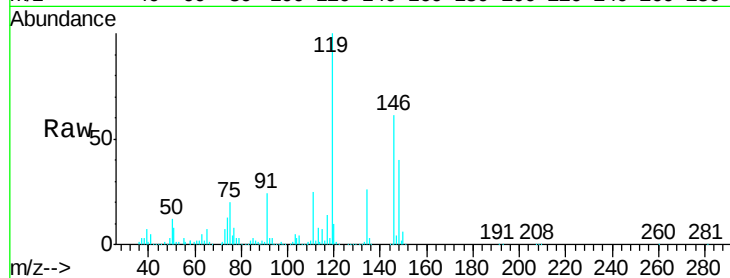
ClientSampled :

VSTDCCC050

Tgt Ion:	146	Resp:	542538
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.5	61.5
148	64.1	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.442 ug/l

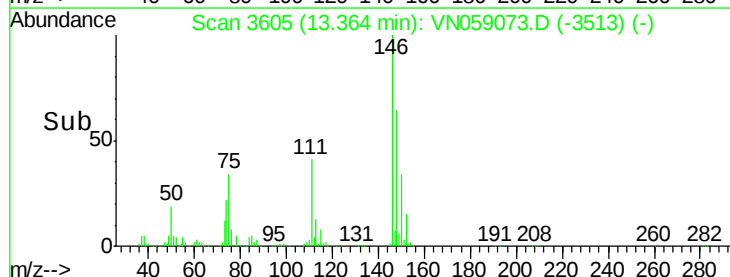
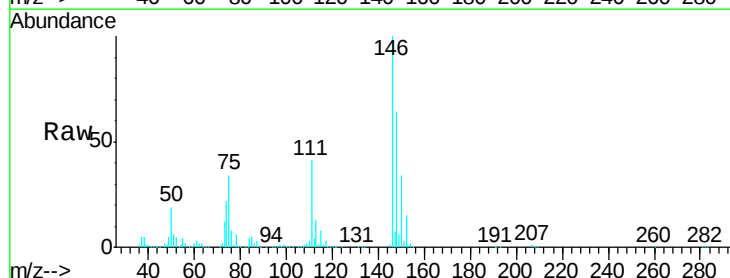
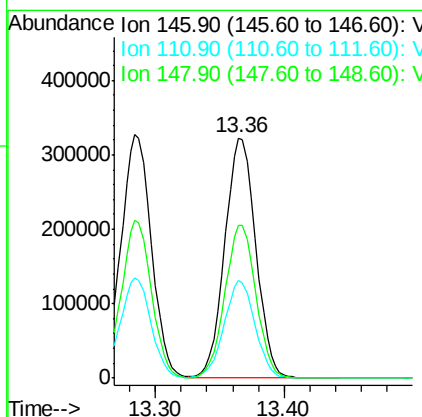
RT: 13.36 min Scan# 3605

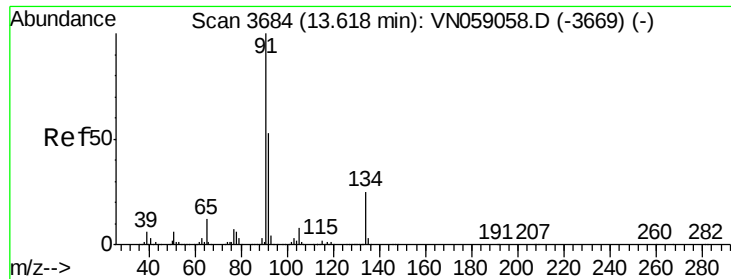
Delta R.T. -0.00 min

Lab File: VN059073.D

Acq: 4 Nov 2019 9:49

Tgt Ion:	146	Resp:	537326
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.1	60.2
148	63.7	31.9	95.7





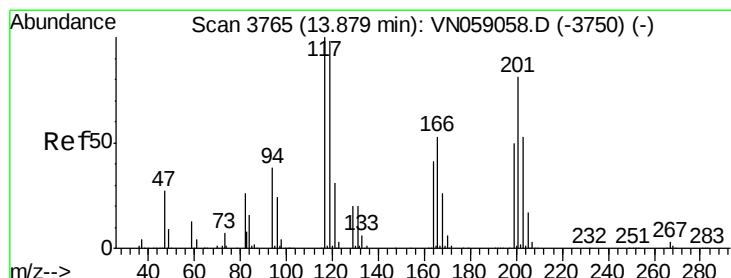
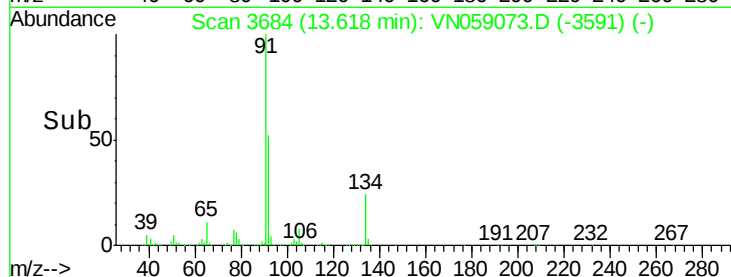
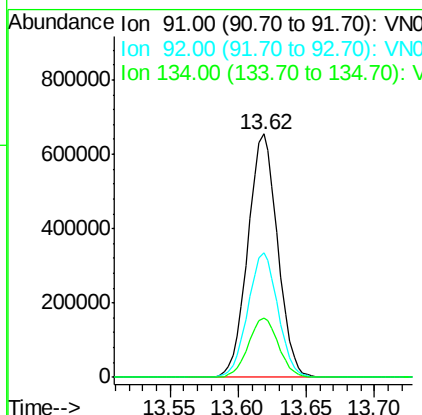
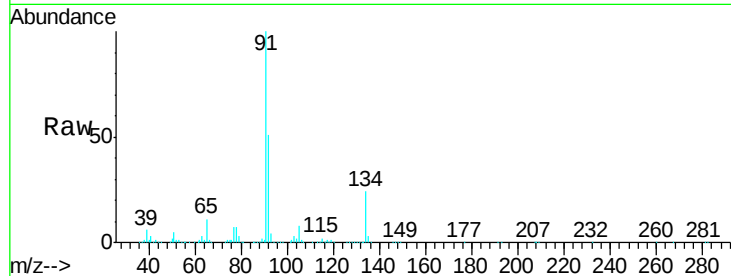
#89
n-Butylbenzene
Concen: 52.864 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.4	79.0
134	24.6	12.5	37.5

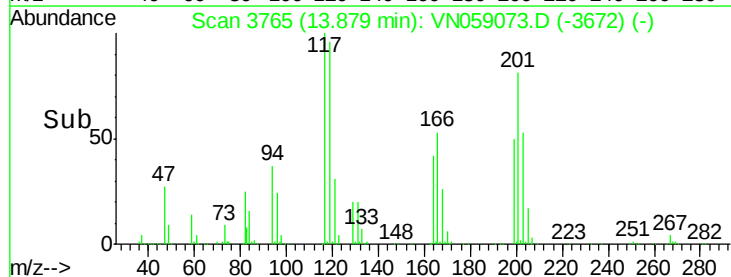
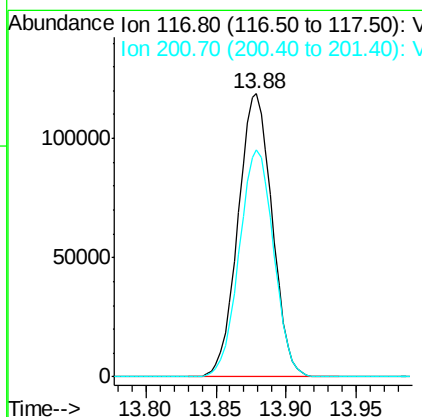
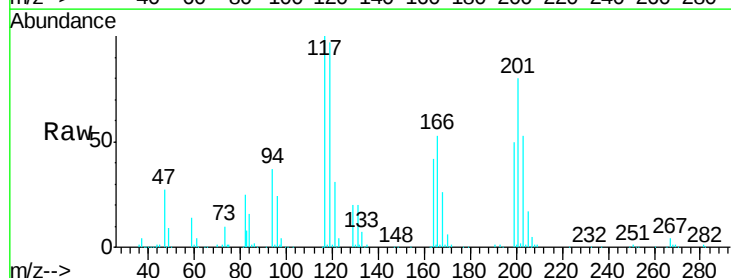
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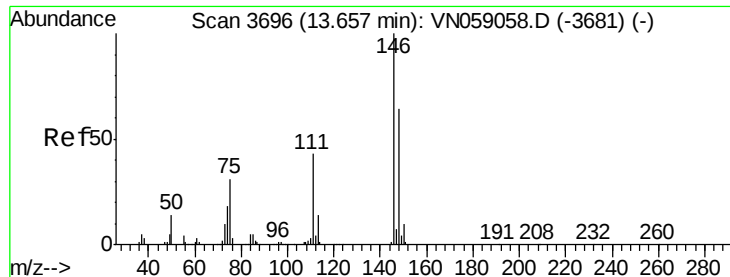
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#90
Hexachloroethane
Concen: 47.076 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	40.7	122.1





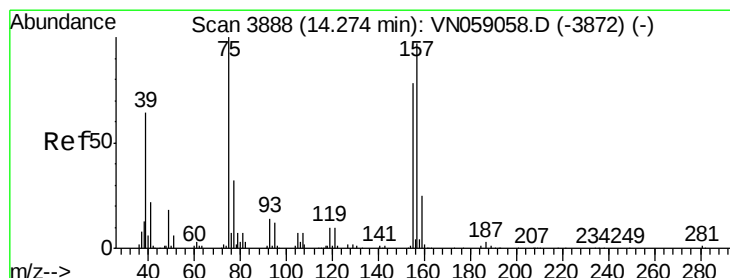
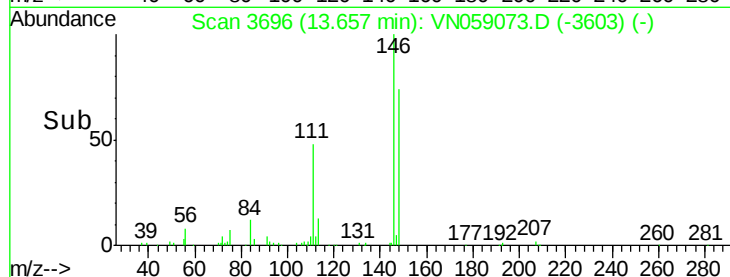
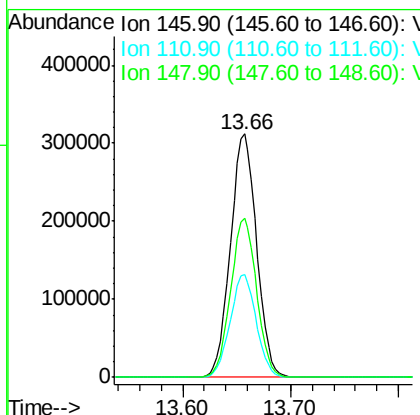
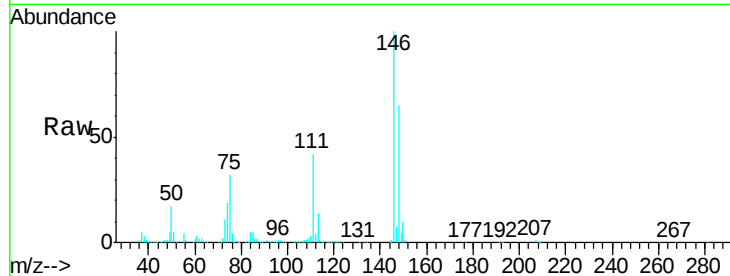
#91
 1,2-Dichlorobenzene
 Concen: 47.379 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	528653		
111	42.2	21.2	63.6	
148	64.8	32.1	96.3	

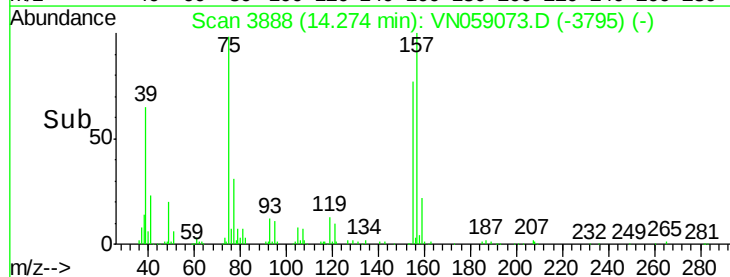
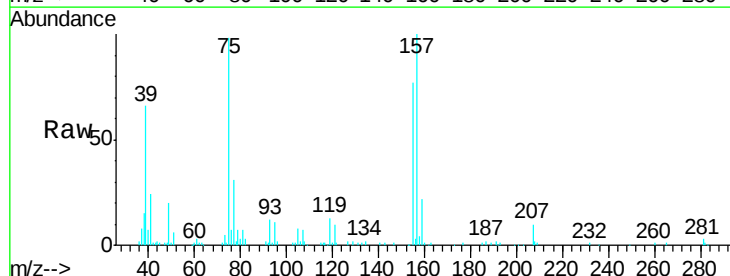
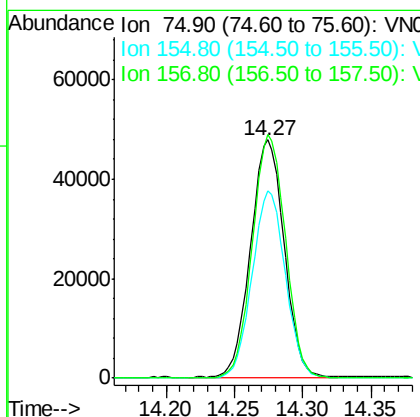
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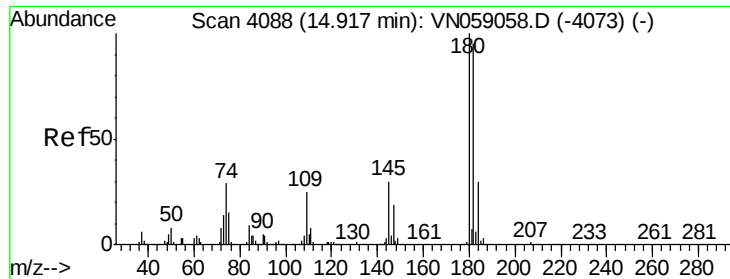
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.575 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82686		
155	77.0	39.7	119.1	
157	99.7	51.0	153.0	





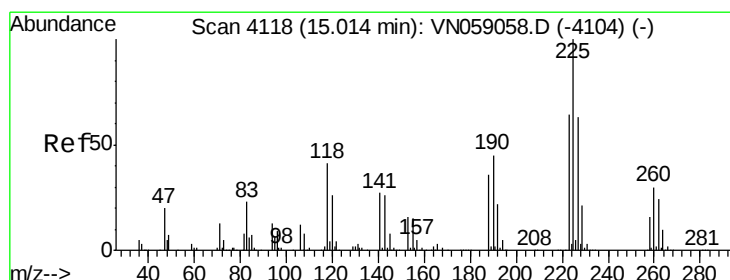
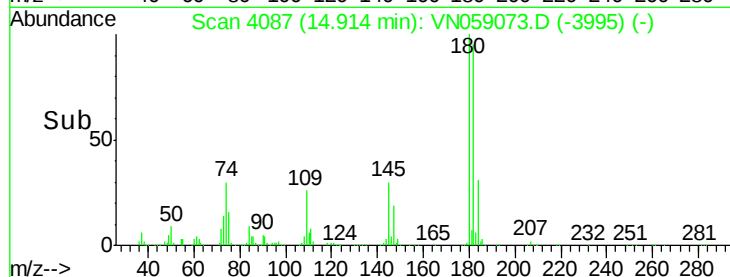
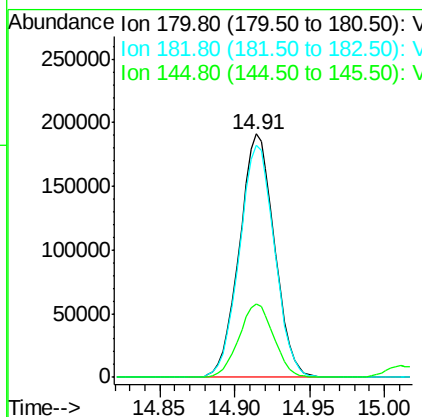
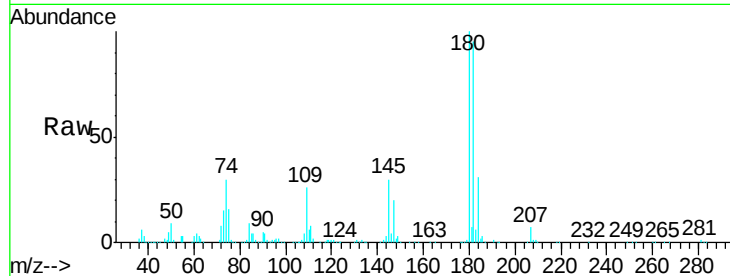
#93
 1,2,4-Trichlorobenzene
 Concen: 51.594 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	310499		
182	96.1	47.8	143.4	
145	30.3	15.1	45.3	

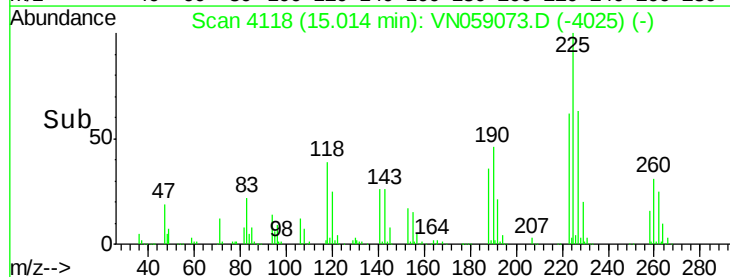
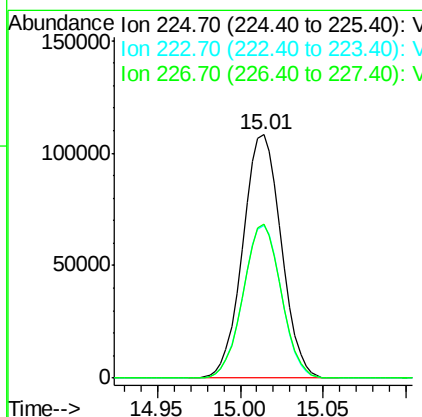
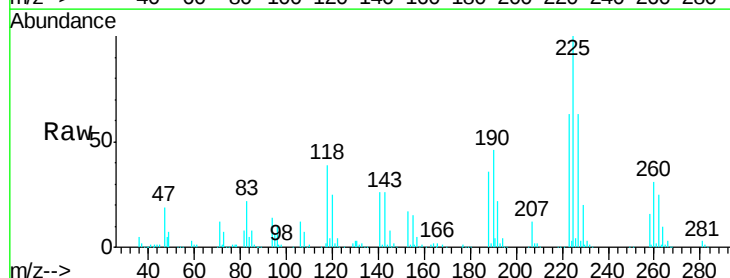
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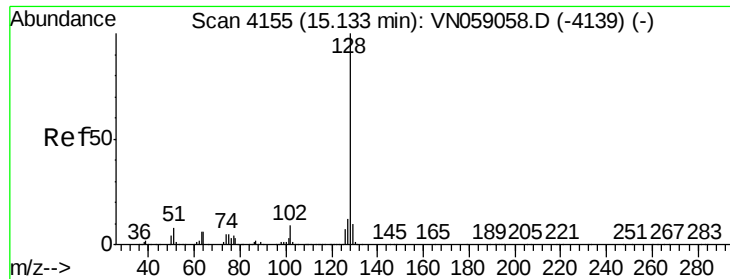
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#94
 Hexachlorobutadiene
 Concen: 48.434 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059073.D
 Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174938		
223	62.4	31.6	95.0	
227	62.5	31.9	95.7	





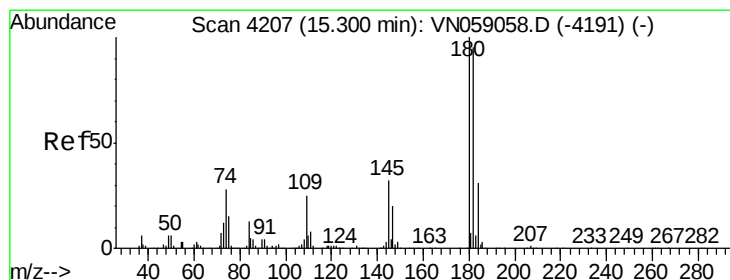
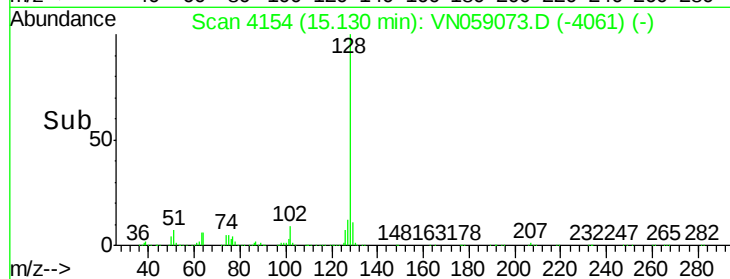
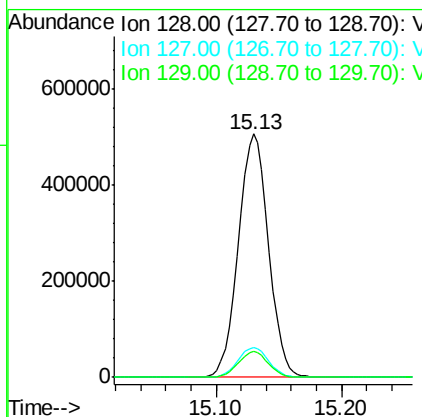
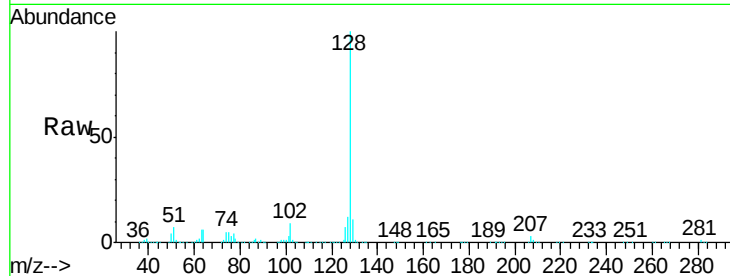
#95
Naphthalene
Concen: 45.261 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.5	9.9	14.9
129	10.6	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.665 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059073.D
Acq: 4 Nov 2019 9:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.2	47.7	143.1
145	31.7	16.0	48.0

