

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059271.D
 Acq On : 15 Nov 2019 17:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 3:09:37 PM

Quant Time: Nov 16 02:11:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	385733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	549401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	221017	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.57	113	183021	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.08	98	685079	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.40	95	260728	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	168878	43.453	ug/l	100
3) Chloromethane	2.04	50	230309	43.595	ug/l	99
4) Vinyl Chloride	2.17	62	234601	45.803	ug/l	100
5) Bromomethane	2.53	94	137311	46.586	ug/l	98
6) Chloroethane	2.68	64	141210	46.606	ug/l	99
7) Trichlorofluoromethane	2.99	101	302382	49.357	ug/l	98
8) Diethyl Ether	3.39	74	131126	52.676	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184293	49.892	ug/l	98
10) Methyl Iodide	3.93	142	242595	53.058	ug/l	99
11) Tert butyl alcohol	4.75	59	239368	264.888	ug/l	98
12) 1,1-Dichloroethene	3.71	96	180669	50.210	ug/l	95
13) Acrolein	3.58	56	127980	274.690	ug/l	99
14) Allyl chloride	4.29	41	361813m	48.951	ug/l	
15) Acrylonitrile	4.95	53	626666	278.656	ug/l	100
16) Acetone	3.79	43	494930	200.722	ug/l	97
17) Carbon Disulfide	4.03	76	463516	41.497	ug/l	100
18) Methyl Acetate	4.29	43	327186	55.904	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	672082	54.251	ug/l	99
20) Methylene Chloride	4.52	84	217719	50.683	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	192174	49.755	ug/l	97
22) Diisopropyl ether	5.92	45	736758	52.772	ug/l	97
23) Vinyl Acetate	5.87	43	3055577	282.397	ug/l	99
24) 1,1-Dichloroethane	5.82	63	397991	51.040	ug/l	99
25) 2-Butanone	6.81	43	812038	249.880	ug/l	98
26) 2,2-Dichloropropane	6.80	77	332028	48.696	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	232534	51.893	ug/l	99
28) Bromochloromethane	7.17	49	113138	48.226	ug/l	97
29) Tetrahydrofuran	7.19	42	550276	266.495	ug/l	98
30) Chloroform	7.35	83	392735	52.504	ug/l	99
31) Cyclohexane	7.63	56	337192	45.678	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	328766	52.277	ug/l	99
36) 1,1-Dichloropropene	7.77	75	284910	50.603	ug/l	99
37) Ethyl Acetate	6.90	43	328703	52.479	ug/l	98
38) Carbon Tetrachloride	7.75	117	283260	50.546	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	322619	49.372	ug/l	99
40) Benzene	8.02	78	882771	52.066	ug/l	99
41) Methacrylonitrile	7.15	41	157289	57.749	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	297522	51.164	ug/l	99
43) Isopropyl Acetate	8.14	43	532282	53.304	ug/l	99
44) Trichloroethene	8.82	130	214078	51.365	ug/l	99
45) 1,2-Dichloropropane	9.10	63	245032	53.207	ug/l	99
46) Dibromomethane	9.19	93	146872	51.179	ug/l	97
47) Bromodichloromethane	9.39	83	310767	54.231	ug/l	98
48) Methyl methacrylate	9.18	41	237891	53.260	ug/l	96
49) 1,4-Dioxane	9.18	88	91482	1152.492	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1690951	299.275	ug/l	99
52) Toluene	10.14	92	542225	53.357	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	355989	53.771	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	385028	54.065	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	225297	54.780	ug/l	99
56) Ethyl methacrylate	10.42	69	362931	52.799	ug/l	96
57) 1,3-Dichloropropane	10.70	76	383518	54.181	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	655505	286.390	ug/l	99
59) 2-Hexanone	10.74	43	1244372	286.936	ug/l	98
60) Dibromochloromethane	10.90	129	242262	55.713	ug/l	100
61) 1,2-Dibromoethane	11.00	107	227842	54.725	ug/l	100
64) Tetrachloroethene	10.62	164	187155	50.097	ug/l	99
65) Chlorobenzene	11.43	112	579548	54.113	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	222344	55.343	ug/l	99
67) Ethyl Benzene	11.51	91	1045934	55.044	ug/l	98
68) m/p-Xylenes	11.62	106	783672	110.099	ug/l	99
69) o-Xylene	11.94	106	380374	55.297	ug/l	99
70) Styrene	11.96	104	629591	58.196	ug/l	99
71) Bromoform	12.12	173	178023	56.967	ug/l	99
73) Isopropylbenzene	12.25	105	1023627	52.839	ug/l	100
74) N-amyl acetate	12.07	43	455533	55.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	351842	53.332	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	320893m	52.924	ug/l	
77) Bromobenzene	12.53	156	251461	51.665	ug/l	98
78) n-propylbenzene	12.59	91	1201967	54.188	ug/l	100
79) 2-Chlorotoluene	12.67	91	717147	52.117	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	874710	53.286	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	125195	54.537	ug/l	96
82) 4-Chlorotoluene	12.77	91	725804	52.590	ug/l	99
83) tert-Butylbenzene	12.99	119	744970	52.552	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	867805	54.642	ug/l	100
85) sec-Butylbenzene	13.17	105	1005428	54.535	ug/l	99
86) p-Isopropyltoluene	13.29	119	908690	55.820	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	447090	53.642	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	440926	52.875	ug/l	99
89) n-Butylbenzene	13.62	91	797061	55.942	ug/l	100
90) Hexachloroethane	13.88	117	170108	52.040	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	440415	53.717	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71232	54.117	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	261728	52.456	ug/l	99
94) Hexachlorobutadiene	15.01	225	153097	54.156	ug/l	99
95) Naphthalene	15.13	128	889105	63.545	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	262165	57.057	ug/l	99

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

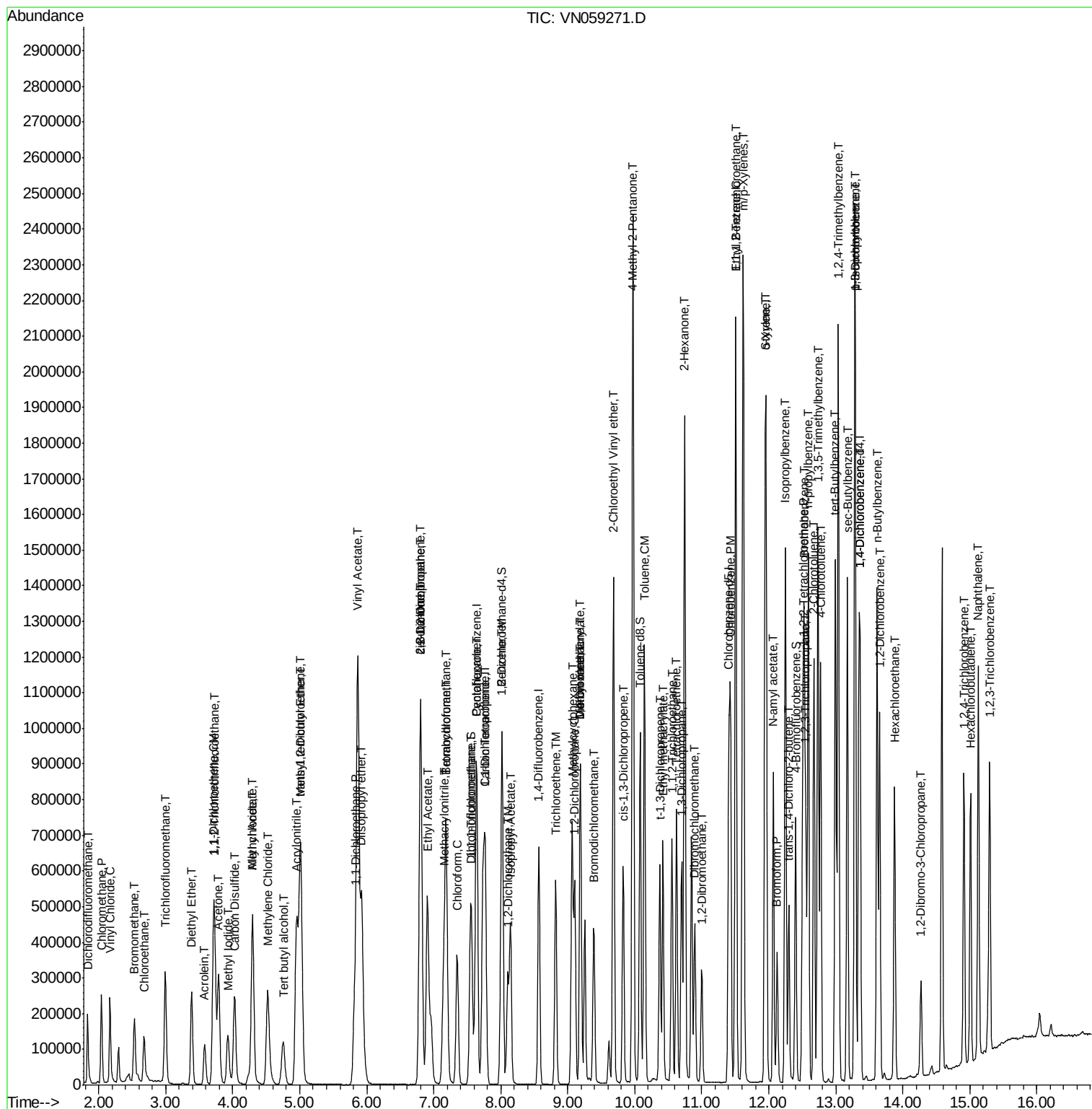
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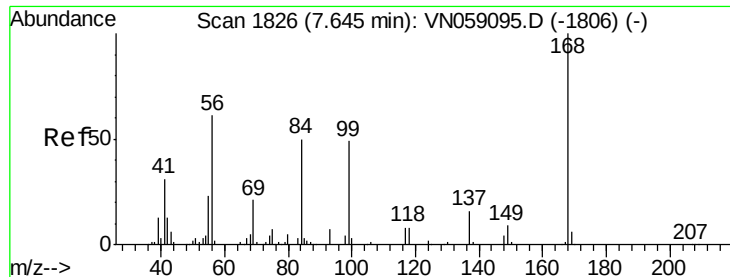
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 385733

Ion Ratio Lower Upper

168 100

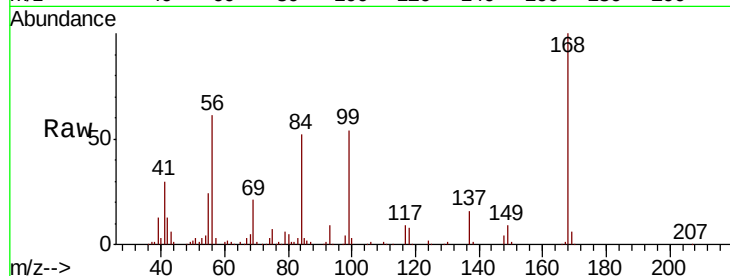
99 53.6 45.7 68.5

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

7.64

150000

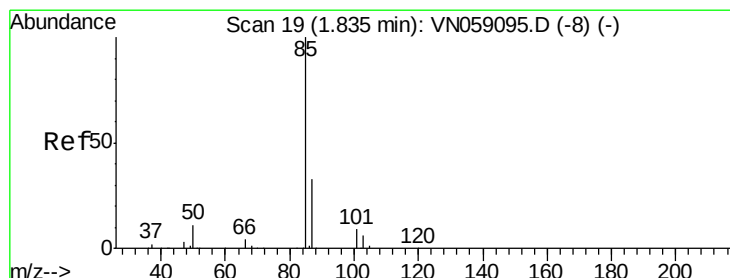
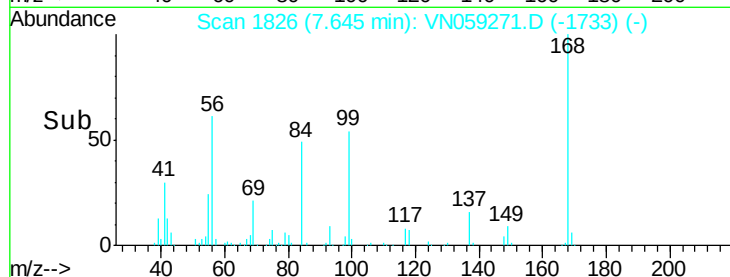
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.453 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059271.D

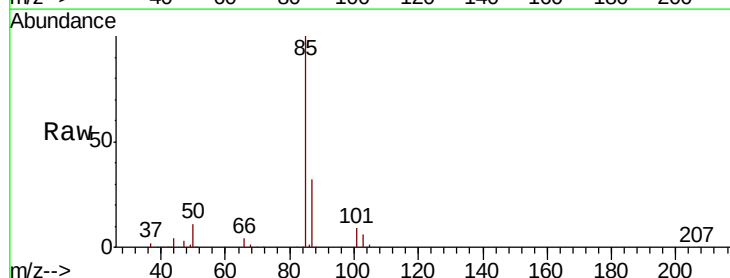
Acq: 15 Nov 2019 17:09

Tgt Ion: 85 Resp: 168878

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

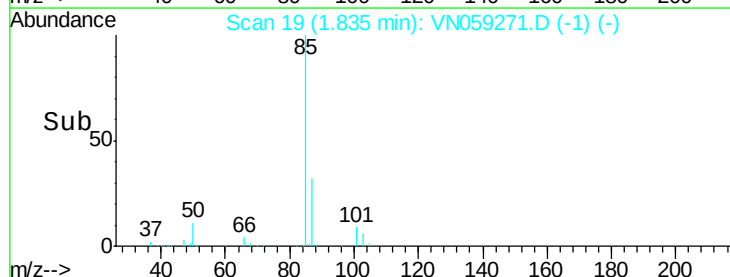
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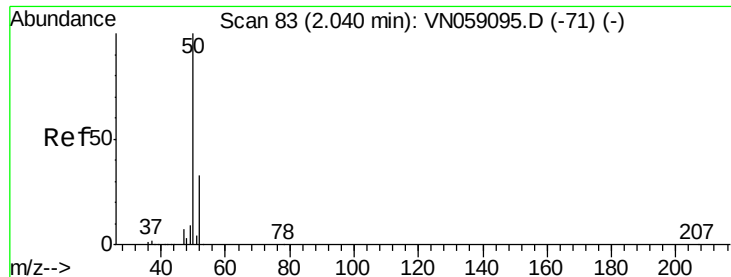
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 43.595 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 230309

Ion Ratio Lower Upper

50 100

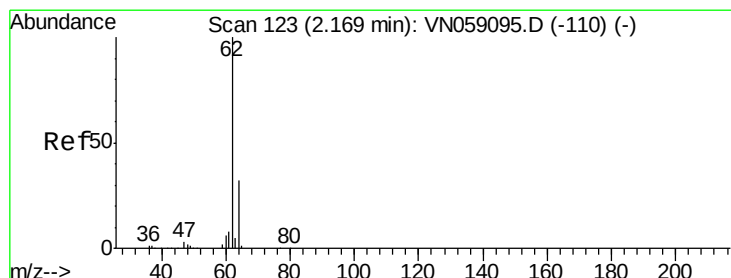
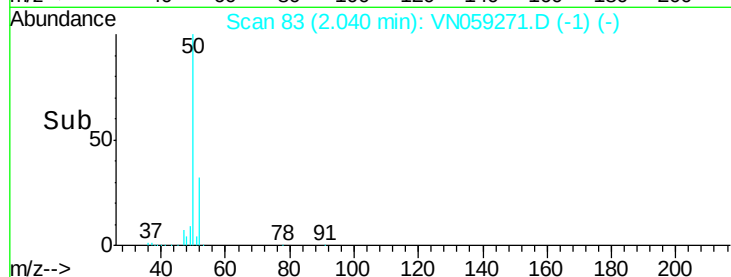
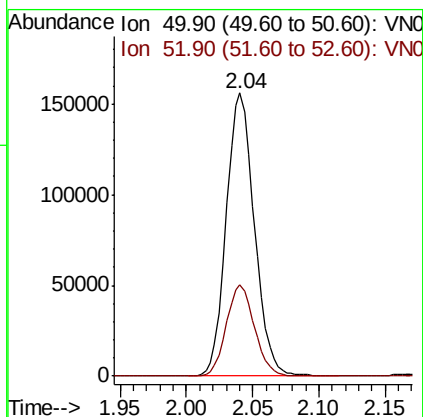
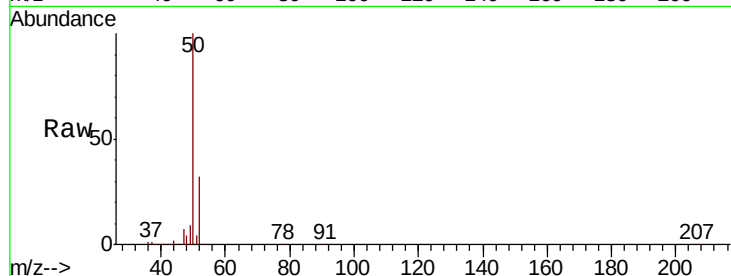
52 32.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.803 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059271.D

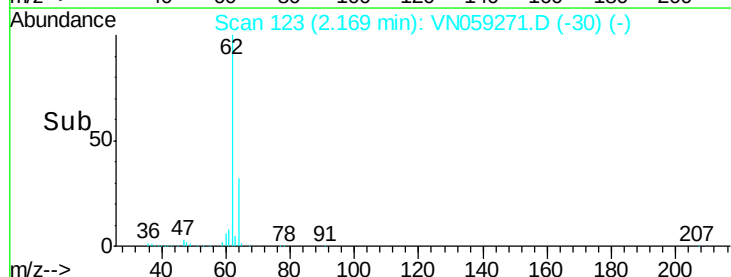
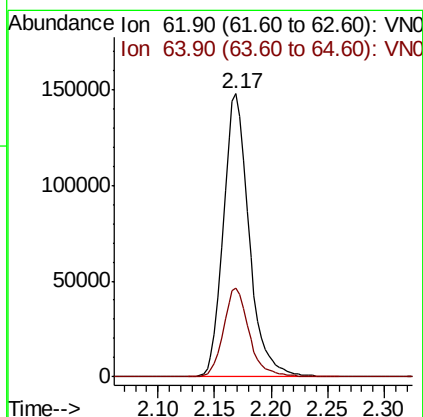
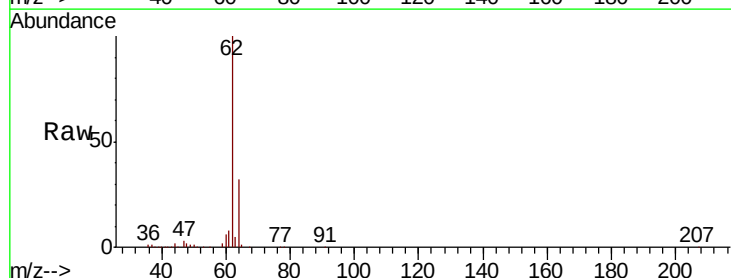
Acq: 15 Nov 2019 17:09

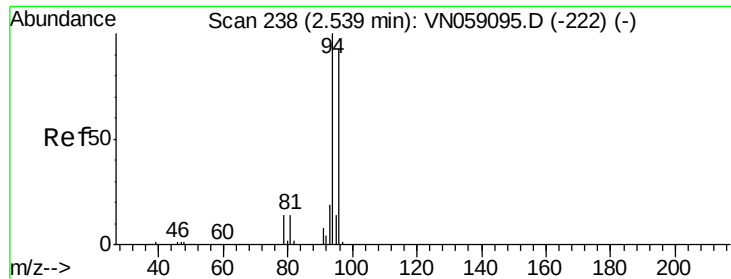
Tgt Ion: 62 Resp: 234601

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 46.586 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 137311

Ion Ratio Lower Upper

94 100

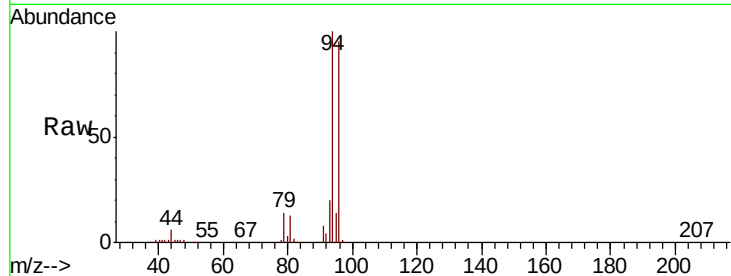
96 94.3 74.2 111.2

Manual Integrations

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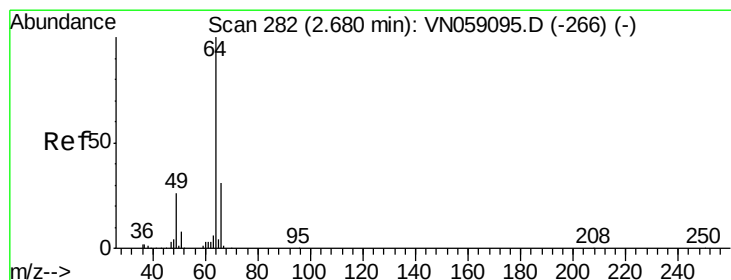
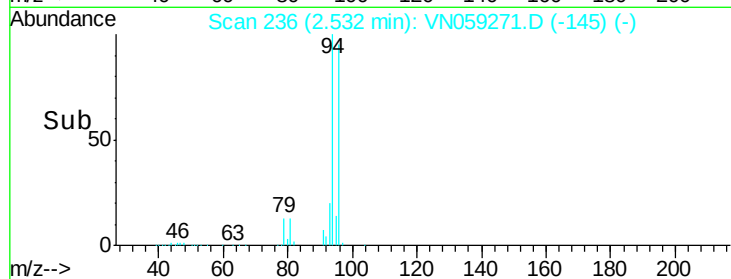
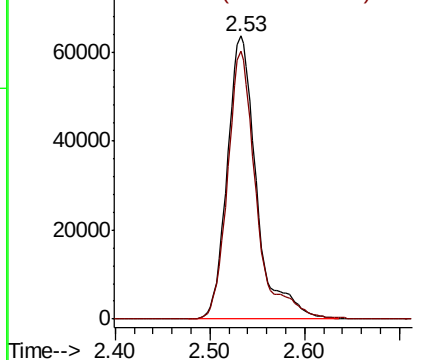
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.606 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059271.D

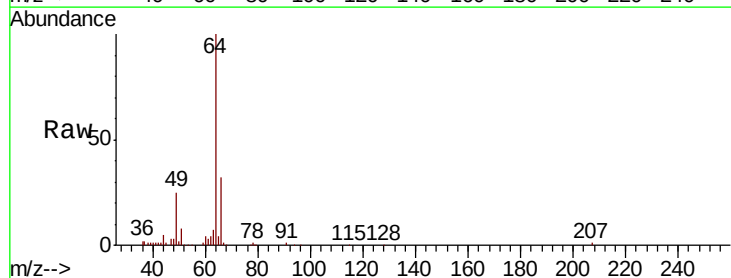
Acq: 15 Nov 2019 17:09

Tgt Ion: 64 Resp: 141210

Ion Ratio Lower Upper

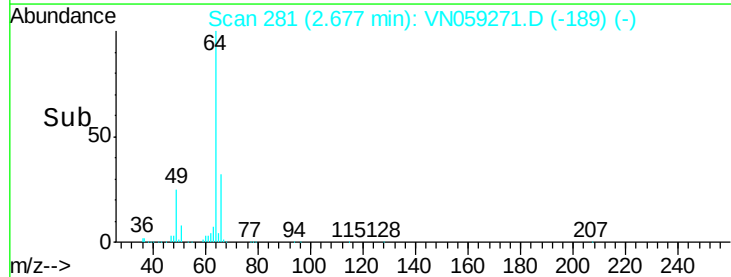
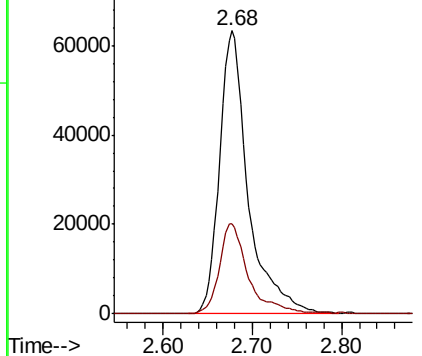
64 100

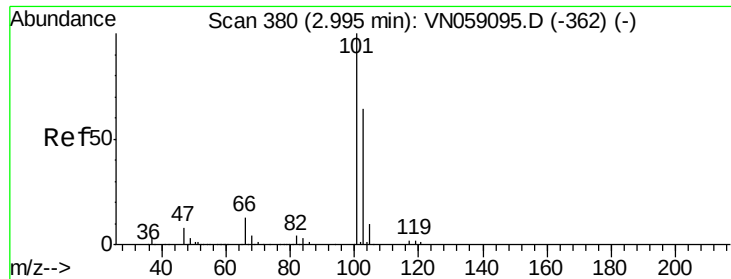
66 31.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

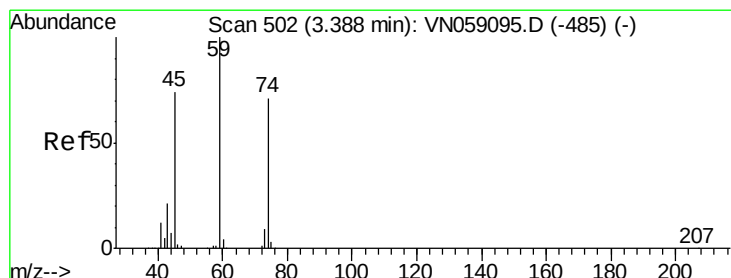
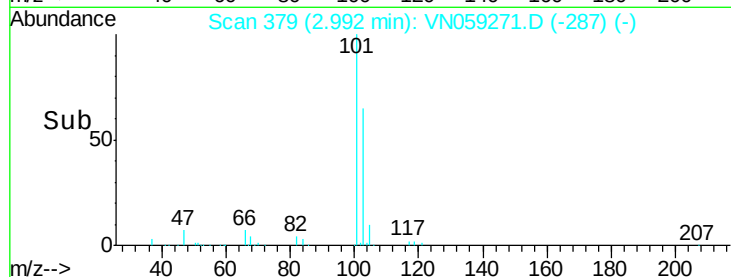
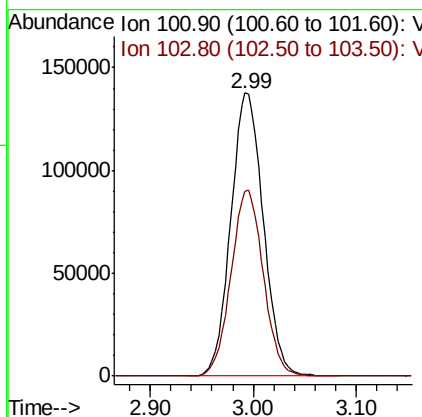
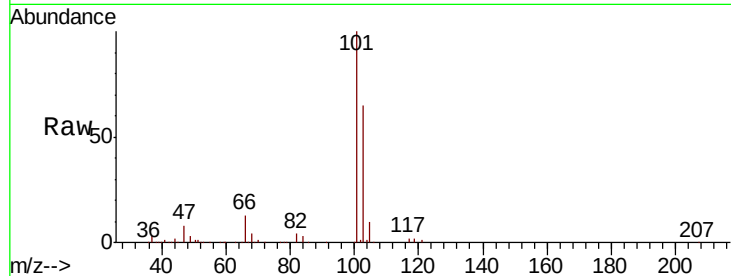
Trichlorofluoromethane
 Concen: 49.357 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.2	76.8

Manual Integrations
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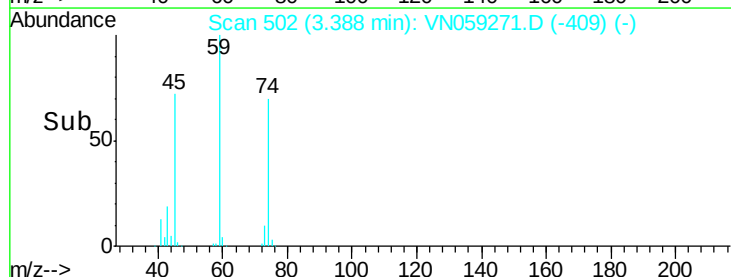
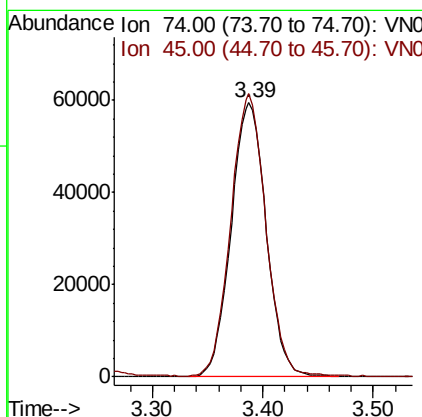
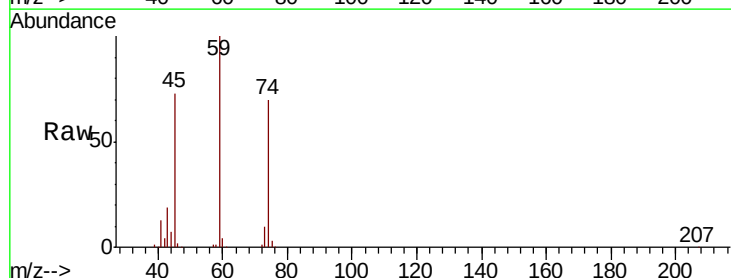
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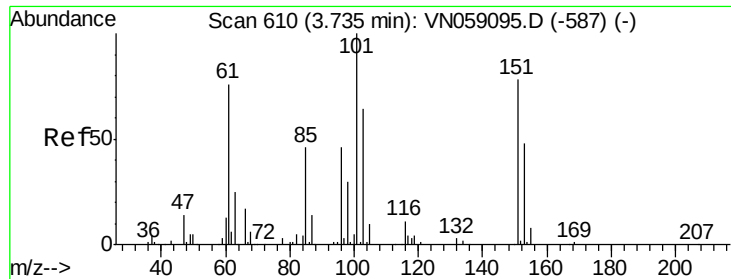


#8

Diethyl Ether
 Concen: 52.676 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059271.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	51.6	154.9





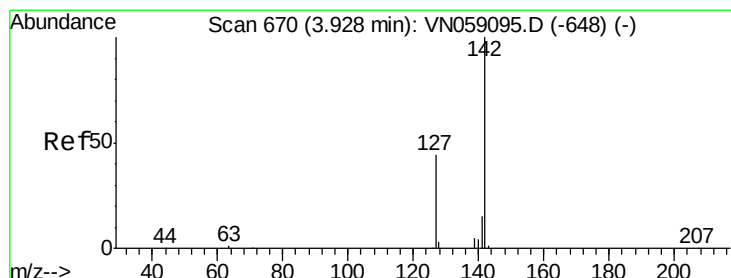
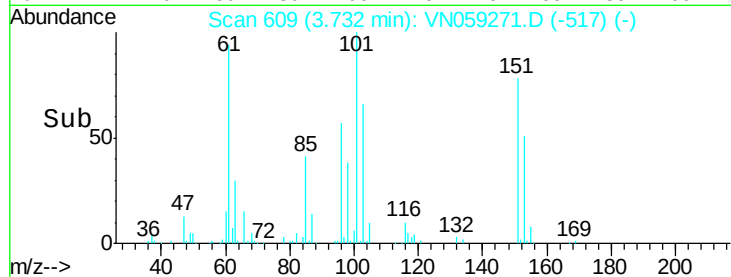
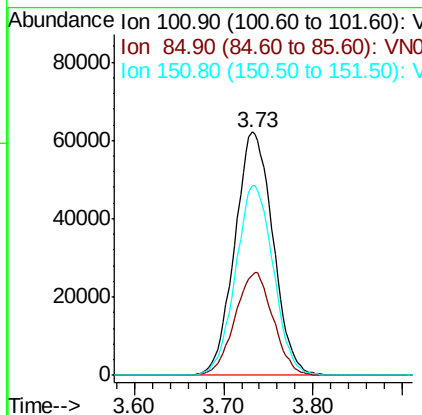
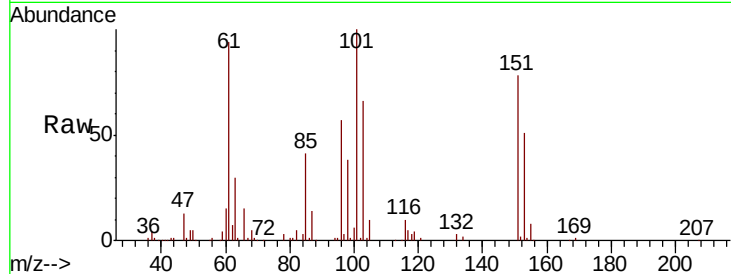
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.892 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	184293		
85	42.1	35.5	53.3	
151	77.0	62.2	93.2	

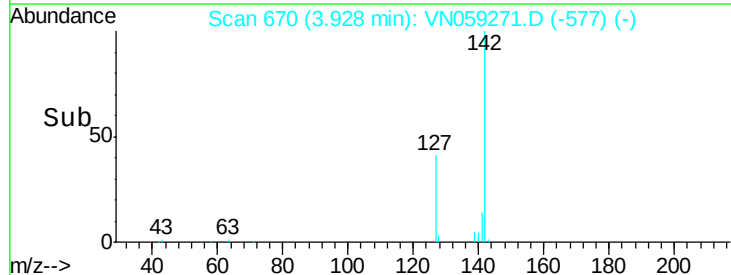
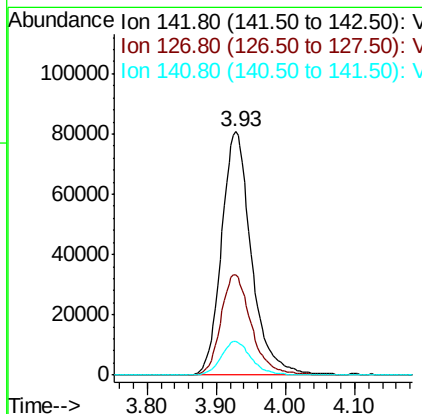
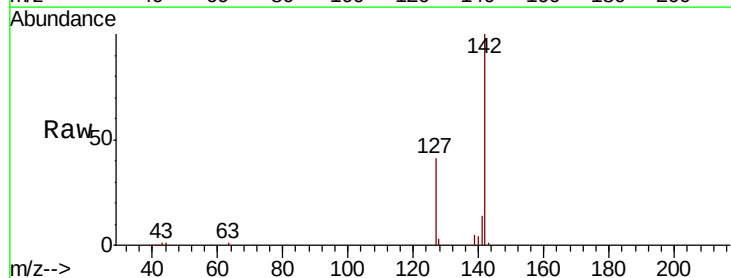
Manual Integrations
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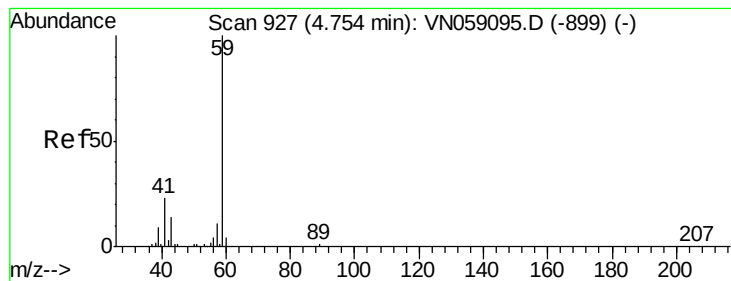
MMDadoda
 11/18/2019 3:09:37 PM



#10
 Methyl Iodide
 Concen: 53.058 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	242595		
127	42.0	34.2	51.2	
141	14.0	11.4	17.0	





#11

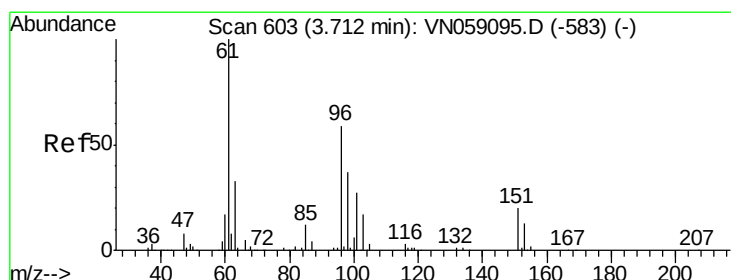
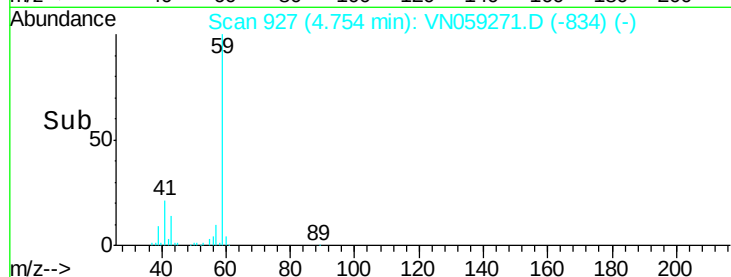
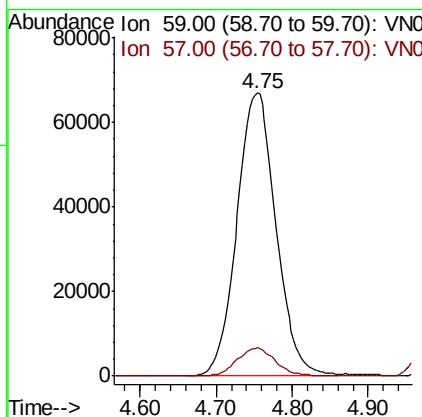
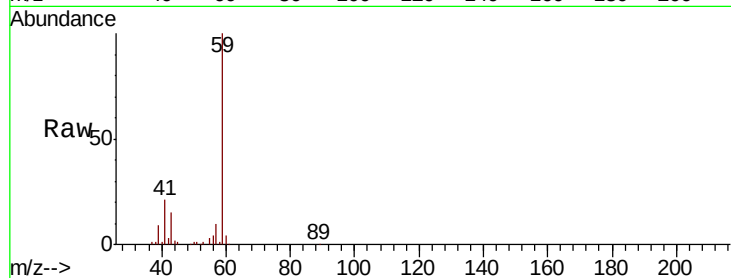
Tert butyl alcohol
 Concen: 264.888 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	239368		
57	9.8		8.3	12.5

Manual Integrations
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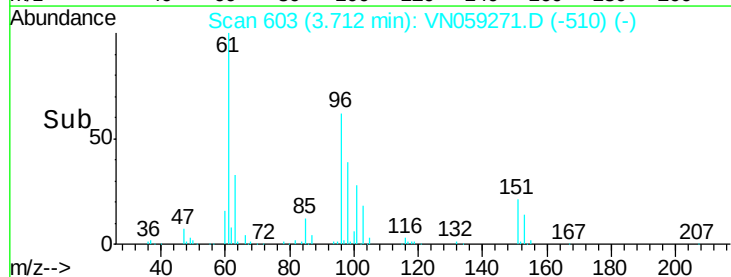
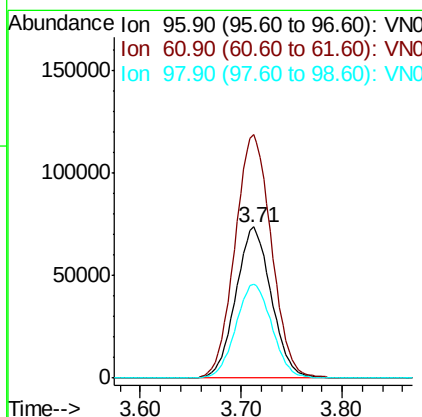
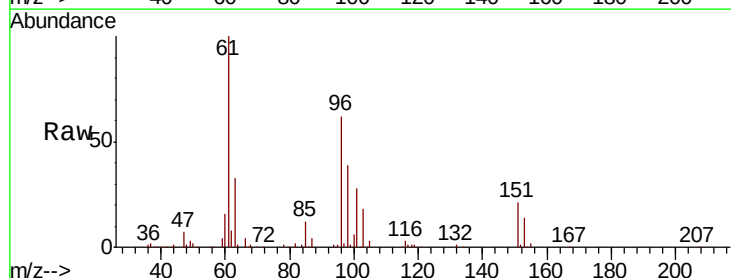
MMDadoda
 11/18/2019 3:09:37 PM

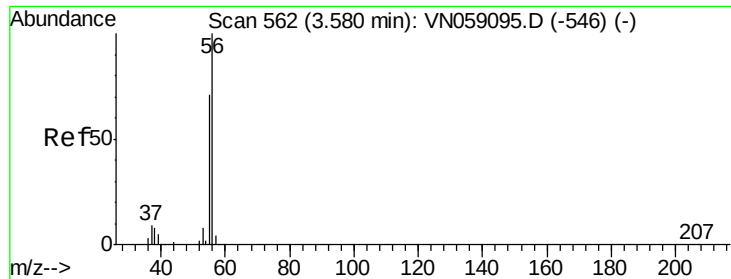


#12

1,1-Dichloroethene
 Concen: 50.210 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	180669		
61	161.3		136.5	204.7
98	62.5		50.2	75.4





#13

Acrolein

Concen: 274.690 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 127980

Ion Ratio Lower Upper

56 100

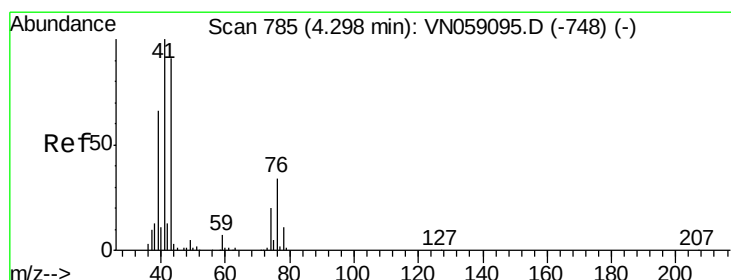
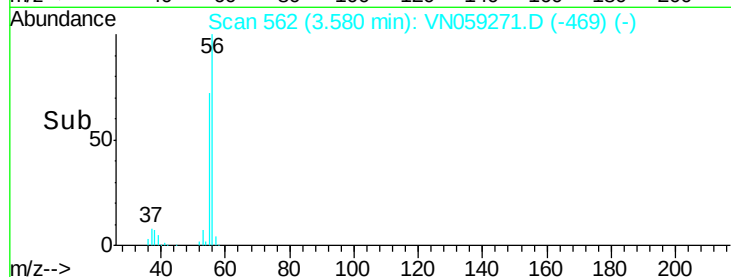
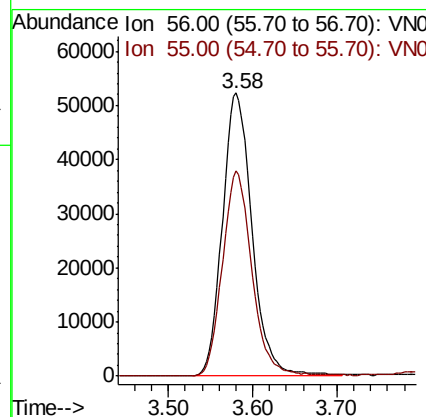
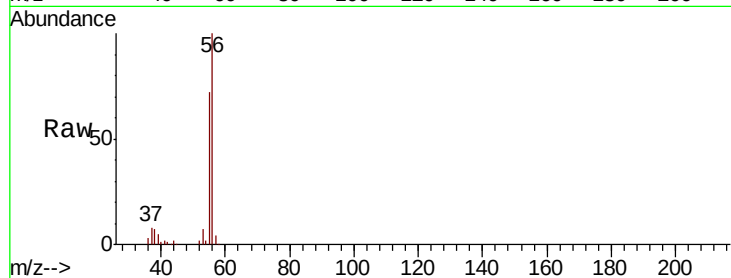
55 71.4 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 48.951 ug/l m

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

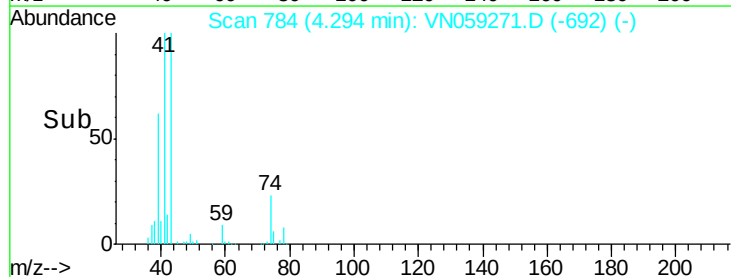
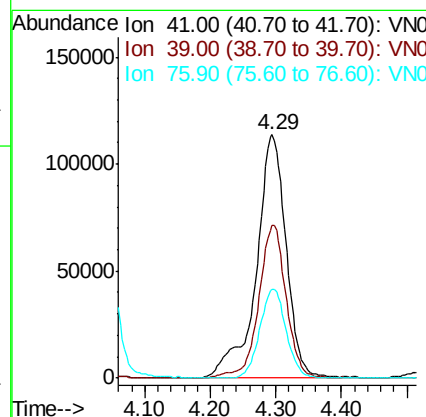
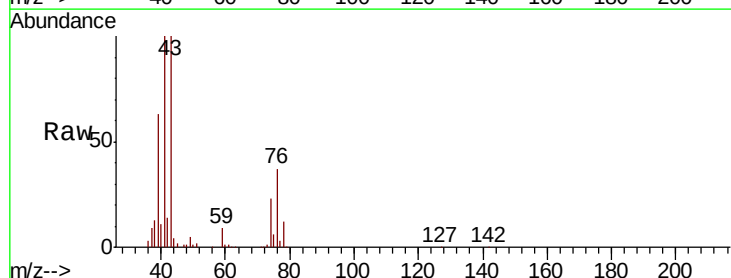
Tgt Ion: 41 Resp: 361813

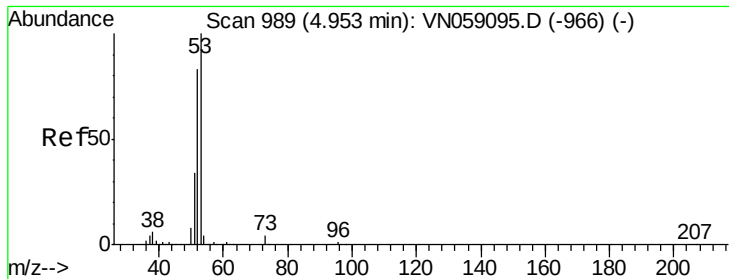
Ion Ratio Lower Upper

41 100

39 57.6 49.1 73.7

76 32.3 24.9 37.3





#15

Acrylonitrile

Concen: 278.656 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

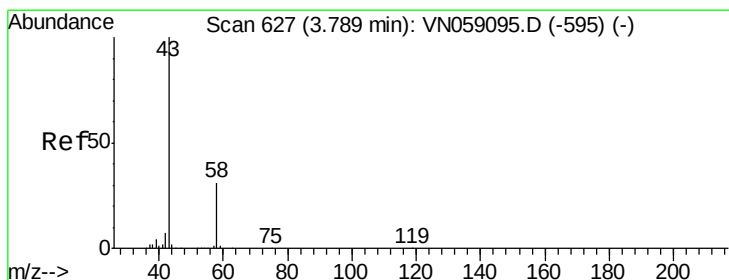
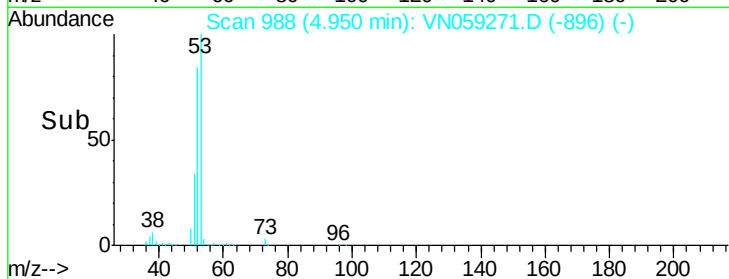
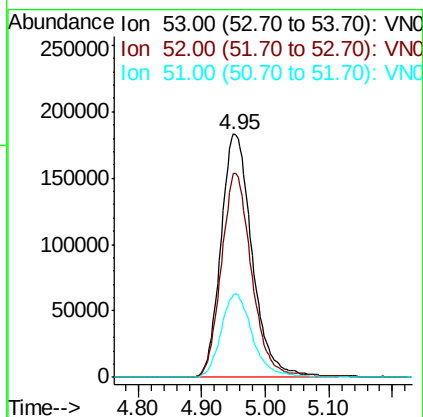
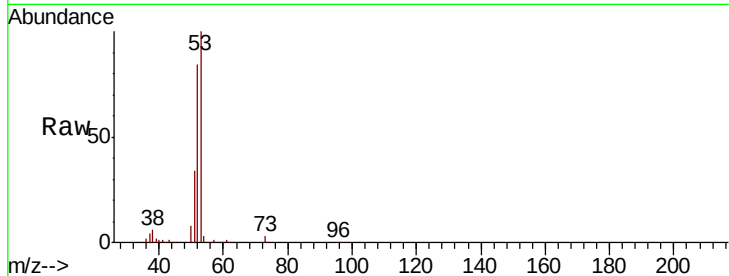
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	626666
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.0	97.6
51	34.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 200.722 ug/l

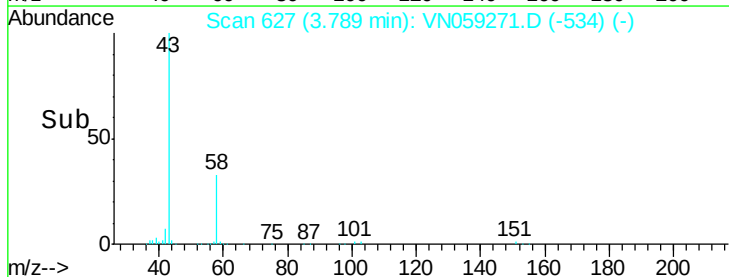
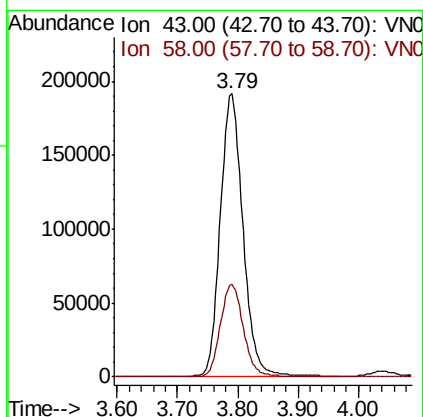
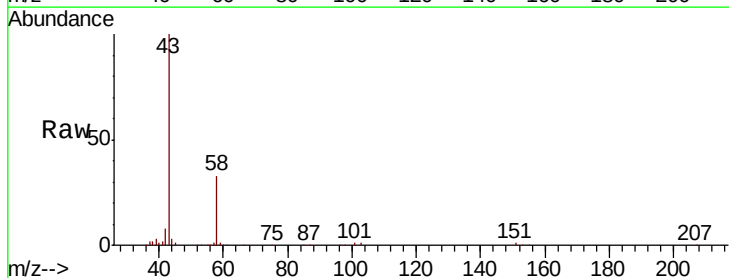
RT: 3.79 min Scan# 627

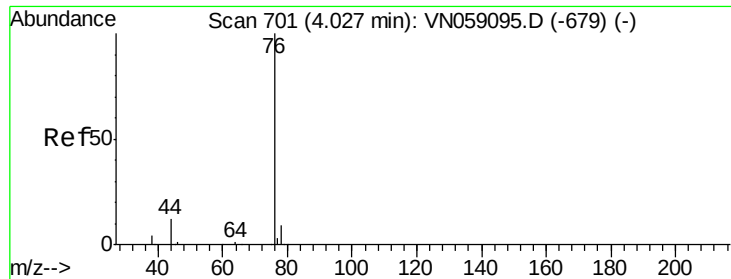
Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion:	43	Resp:	494930
Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.9	37.3





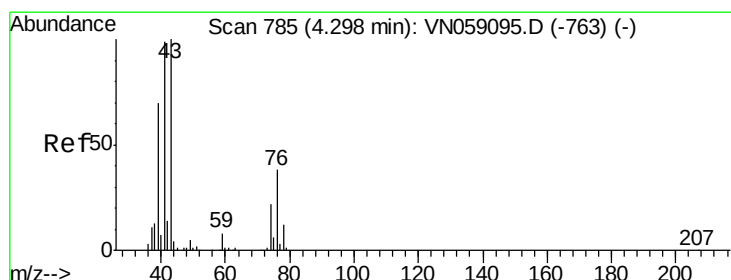
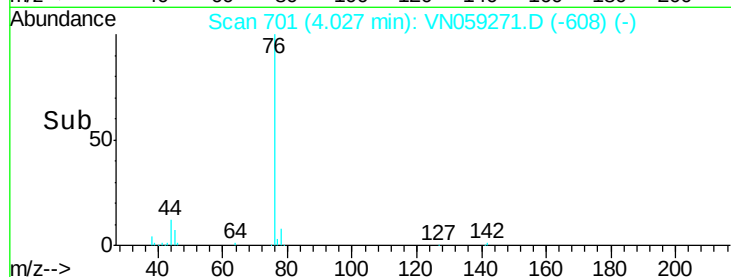
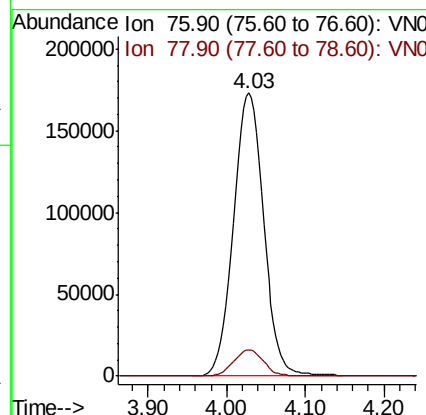
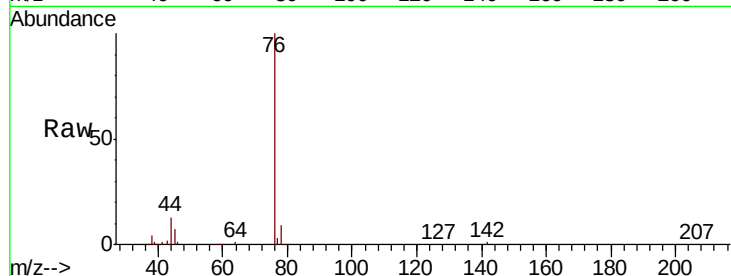
#17
Carbon Disulfide
Concen: 41.497 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

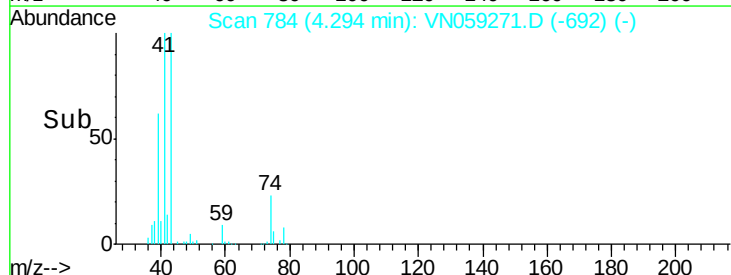
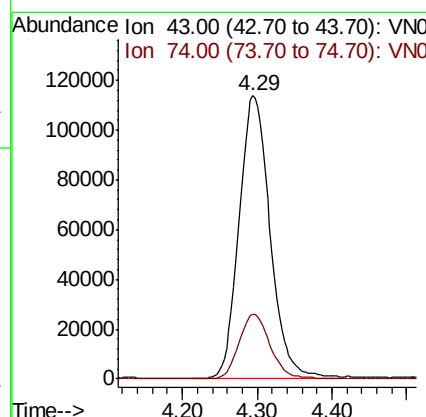
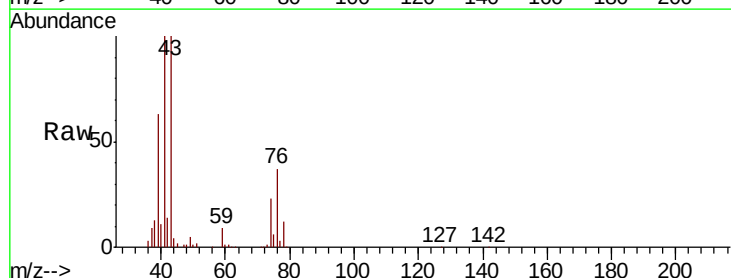
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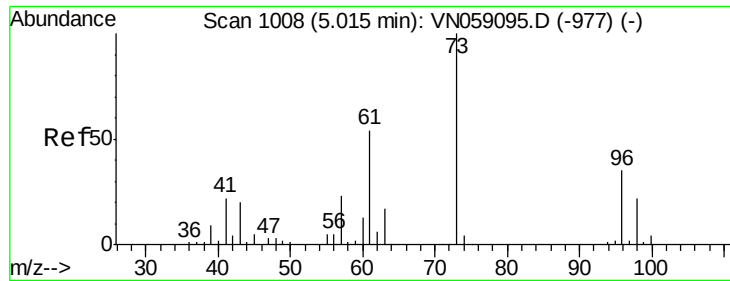
MMDadoda
11/18/2019 3:09:37 PM



#18
Methyl Acetate
Concen: 55.904 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.8	26.8





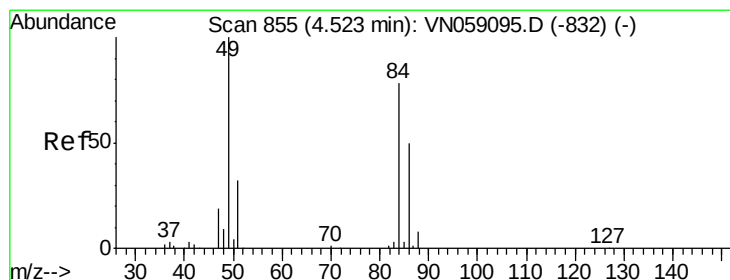
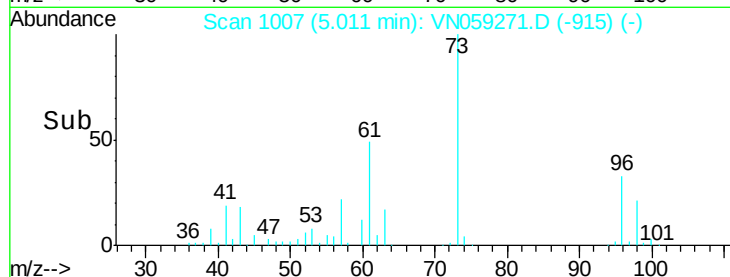
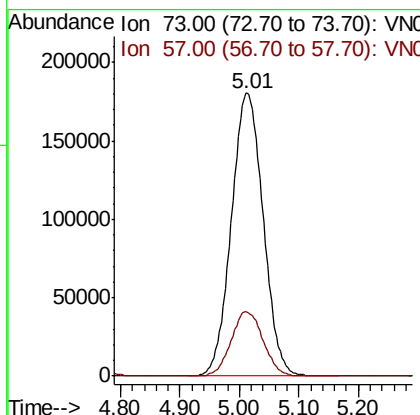
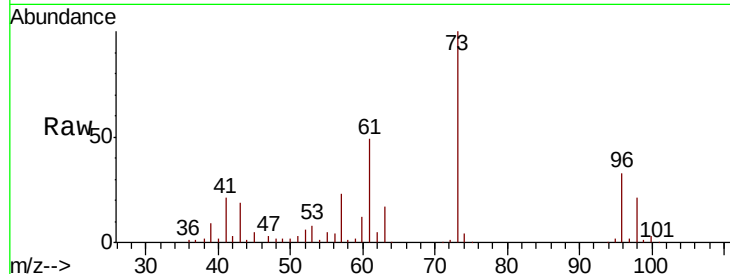
#19
Methyl tert-butyl Ether
Concen: 54.251 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 672082
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

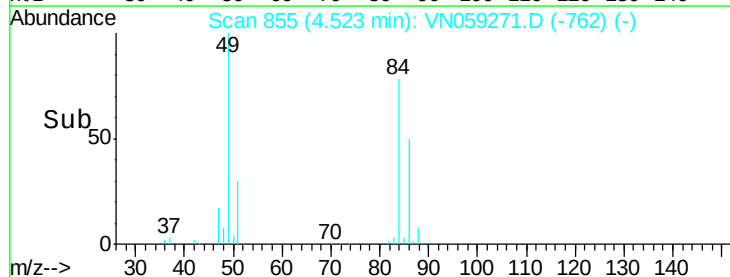
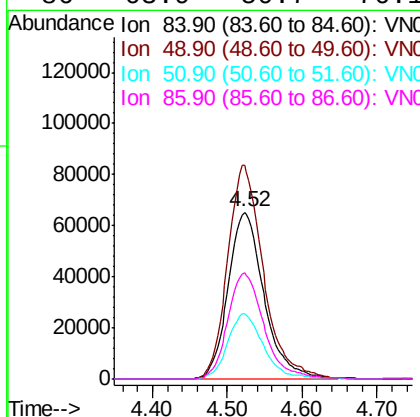
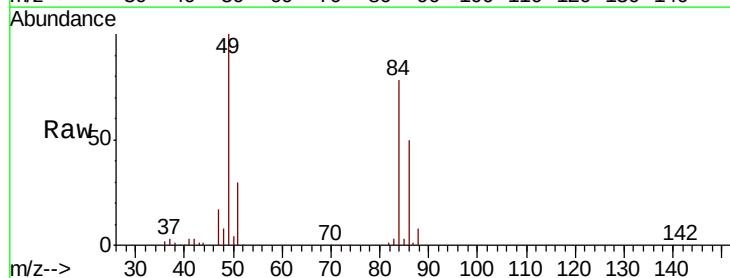
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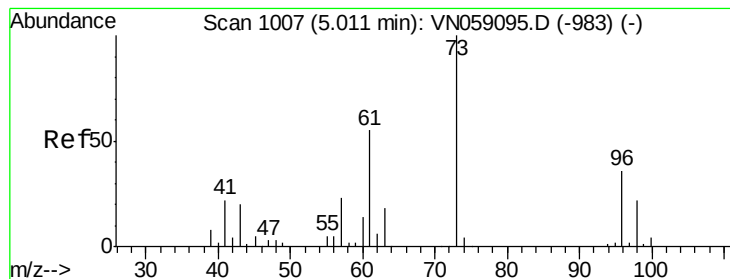
MMDadoda
11/18/2019 3:09:37 PM



#20
Methylene Chloride
Concen: 50.683 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 84 Resp: 217719
Ion Ratio Lower Upper
84 100
49 128.0 102.0 153.0
51 38.9 32.2 48.2
86 63.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 49.755 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 192174

Ion Ratio Lower Upper

96 100

61 149.3 122.6 183.8

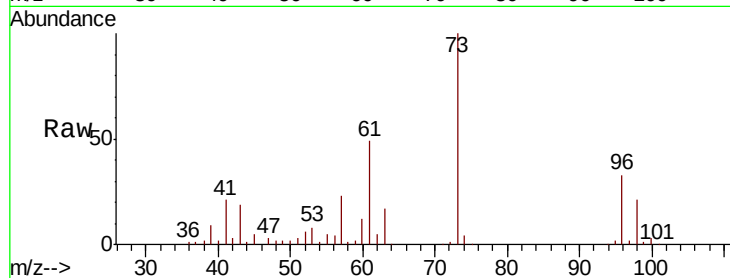
98 64.1 50.3 75.5

Manual Integrations

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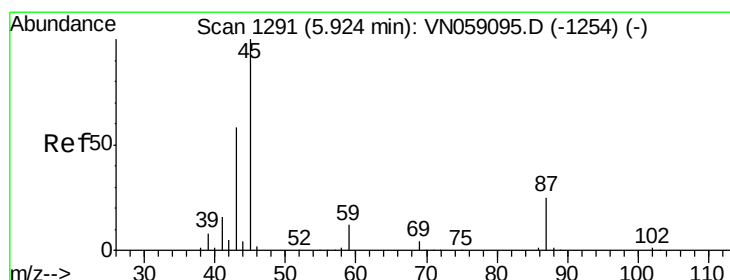
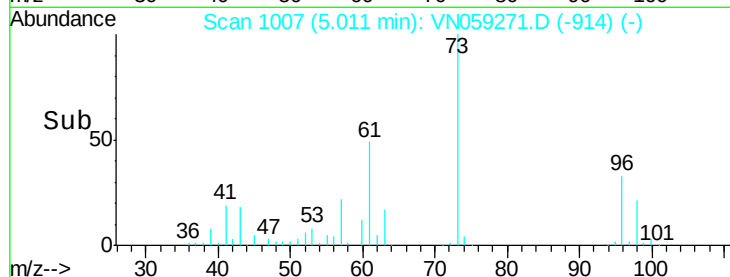
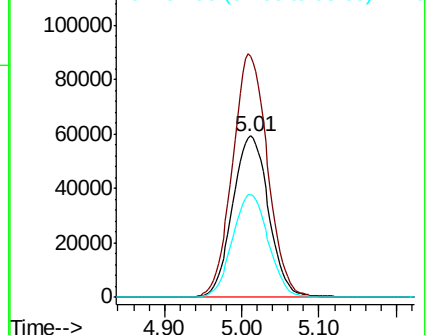


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.772 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion: 45 Resp: 736758

Ion Ratio Lower Upper

45 100

43 62.3 46.7 70.1

87 26.0 20.5 30.7

59 12.0 9.6 14.4

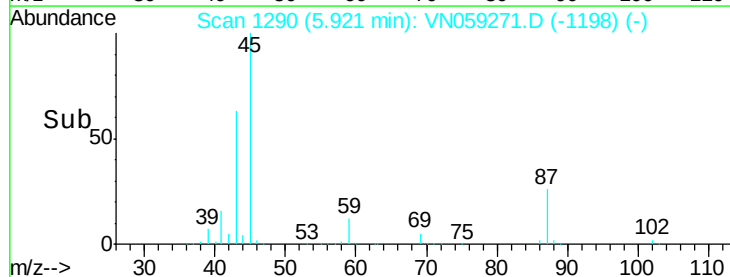
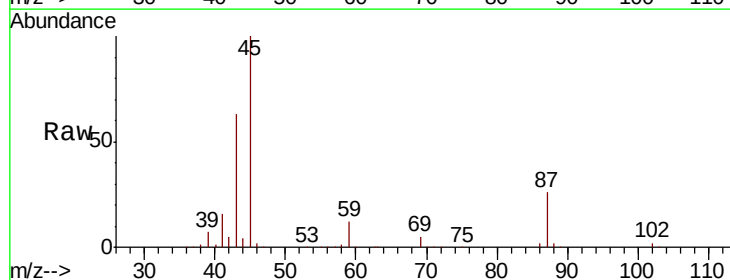
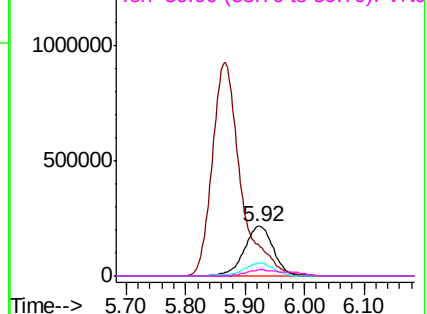
Abundance

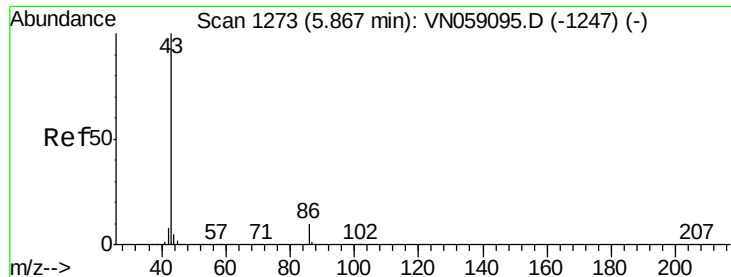
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 282.397 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3055577

Ion Ratio Lower Upper

43 100

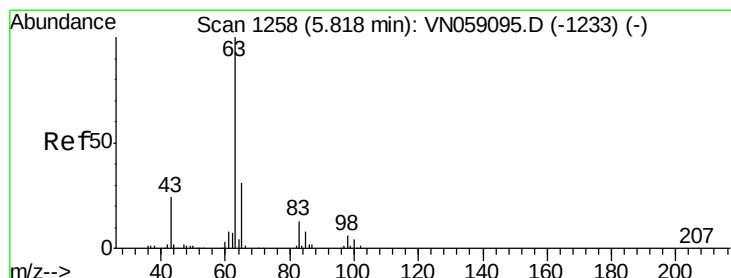
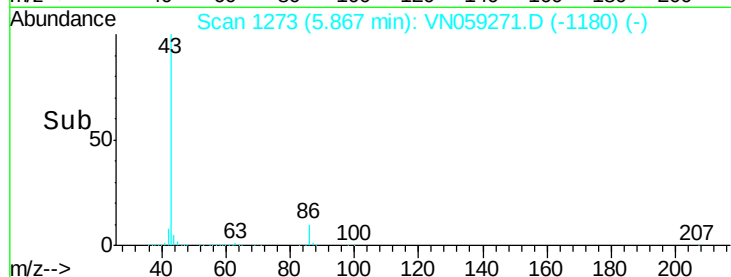
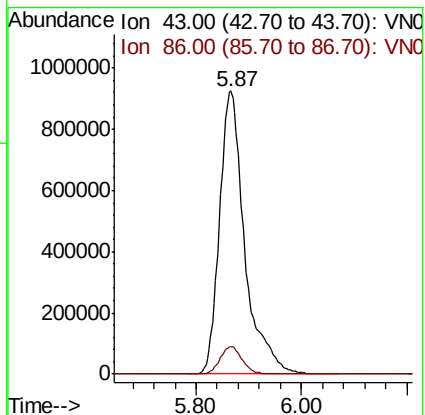
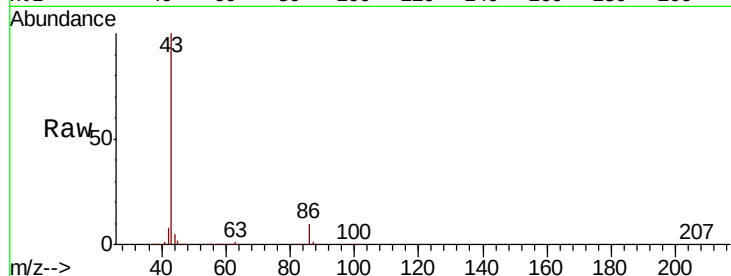
86 9.9 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 51.040 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

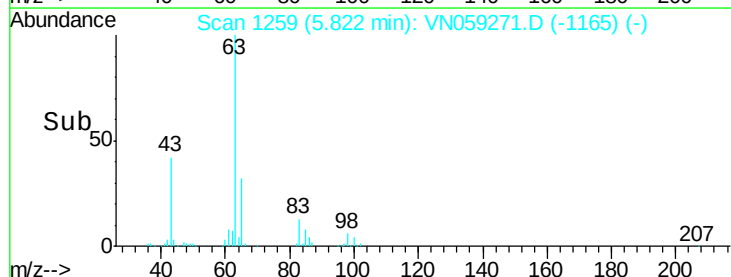
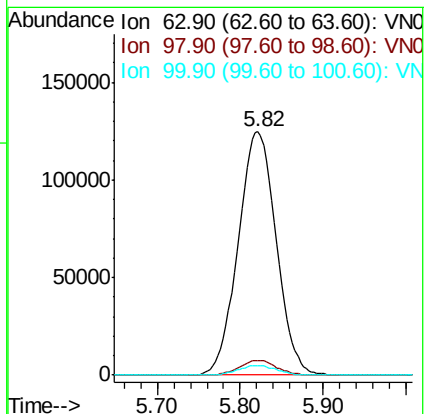
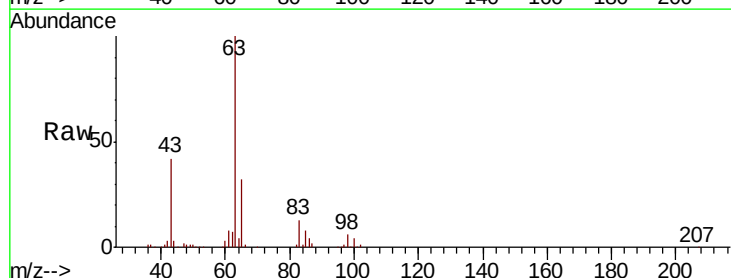
Tgt Ion: 63 Resp: 397991

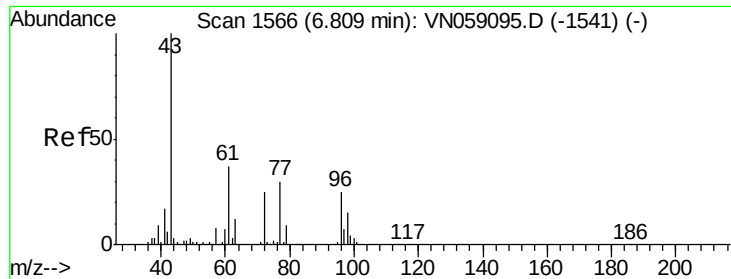
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 249.880 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 812038

Ion Ratio Lower Upper

43 100

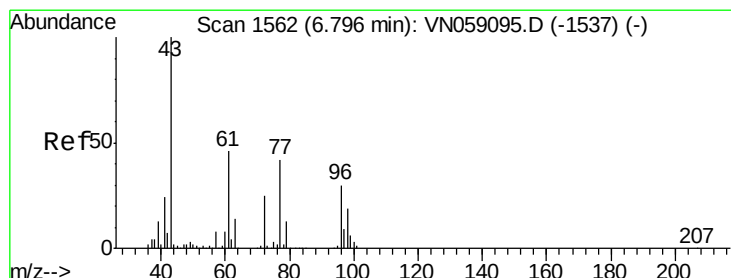
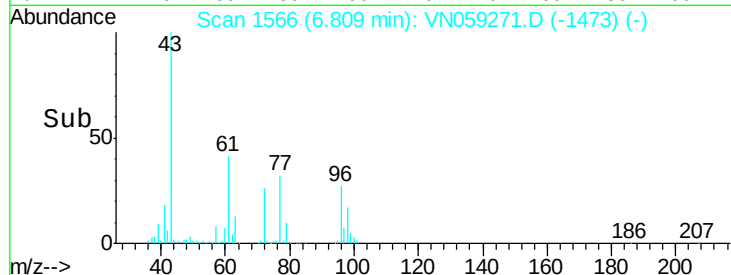
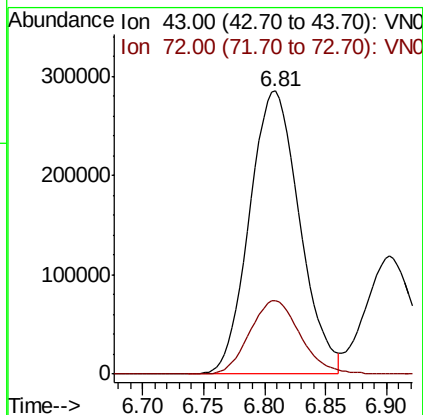
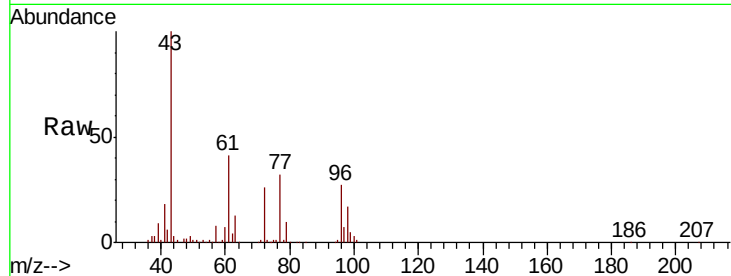
72 26.2 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 48.696 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059271.D

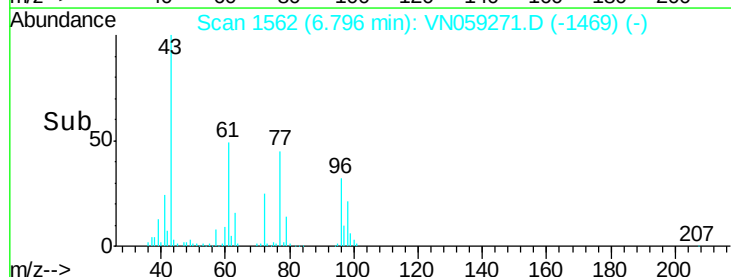
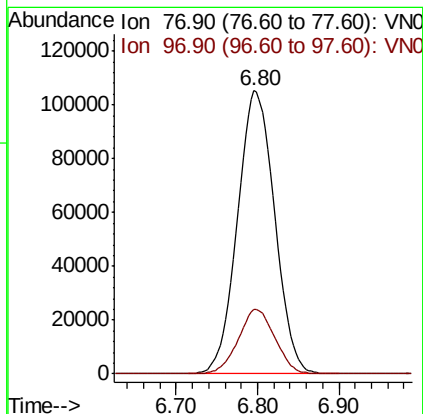
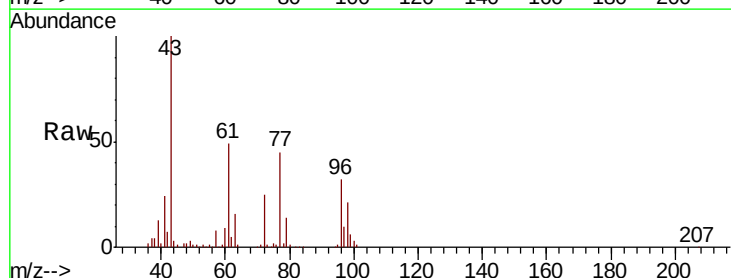
Acq: 15 Nov 2019 17:09

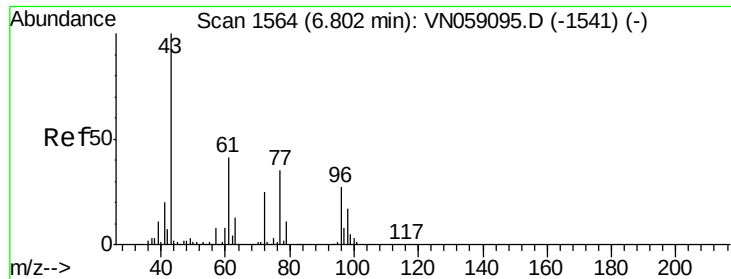
Tgt Ion: 77 Resp: 332028

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 51.893 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

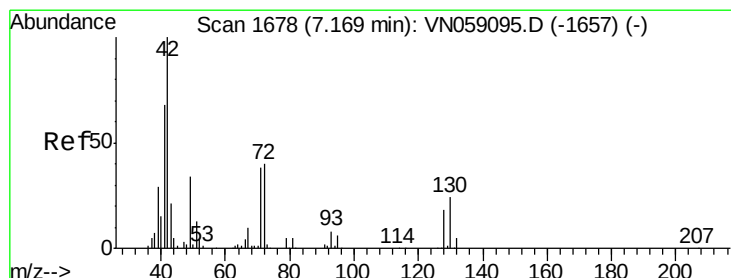
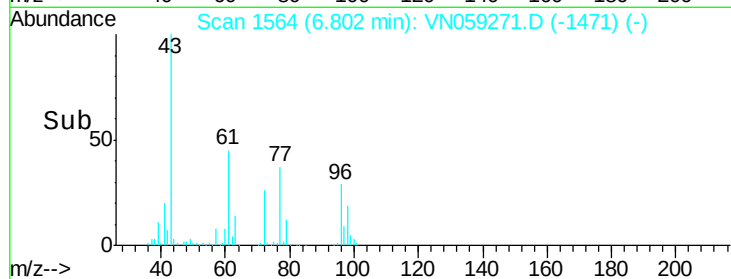
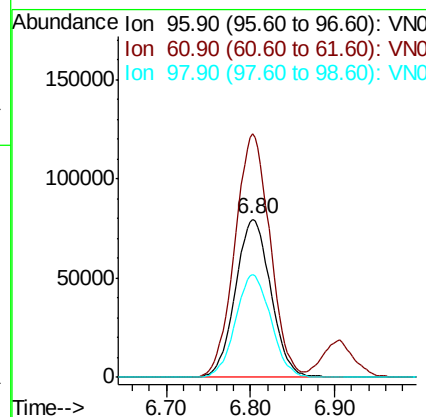
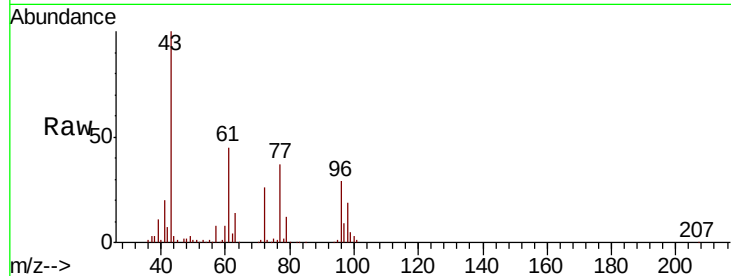
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	232534
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	311.6
98	65.0	0.0	129.8

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#28

Bromochloromethane

Concen: 48.226 ug/l

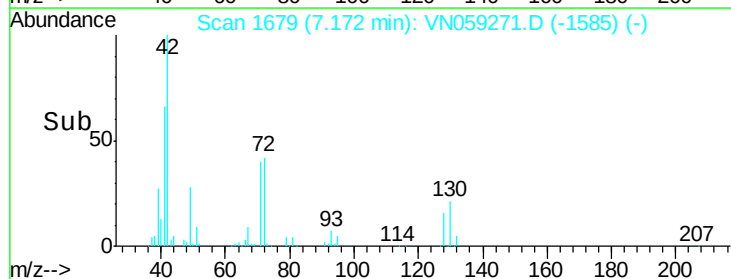
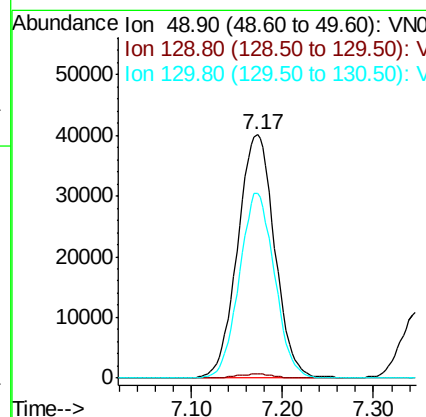
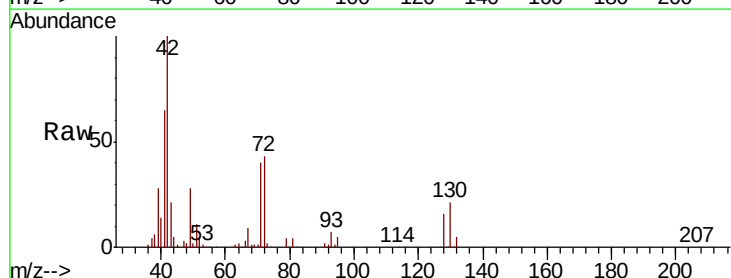
RT: 7.17 min Scan# 1679

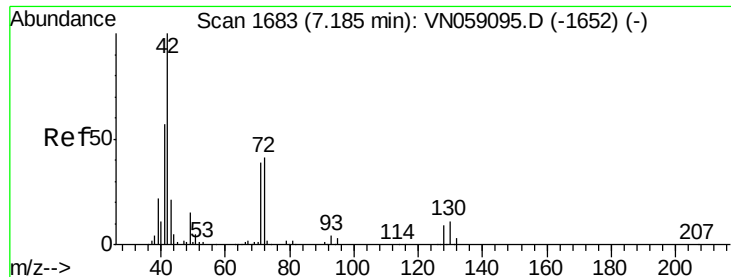
Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion:	49	Resp:	113138
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	72.3	55.6	83.4





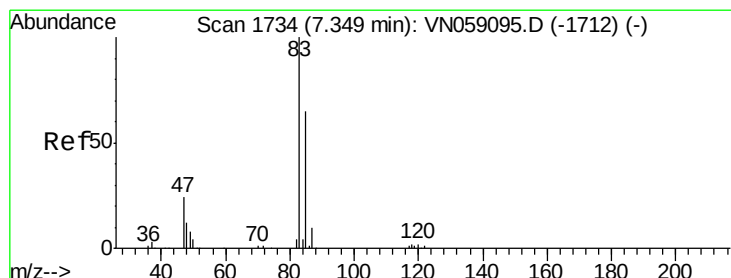
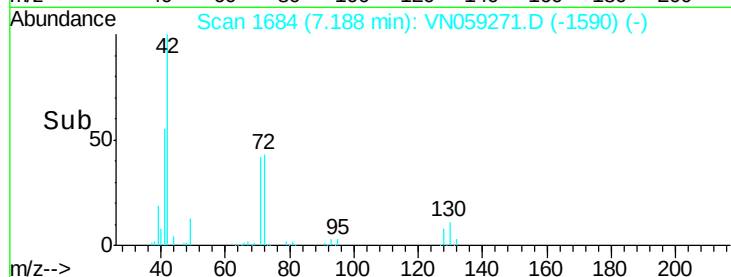
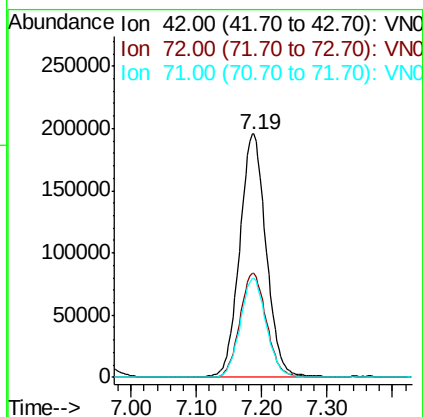
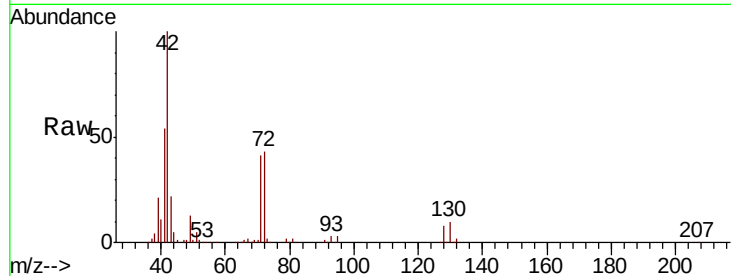
#29
Tetrahydrofuran
Concen: 266.495 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.1	49.7
71	40.0	30.9	46.3

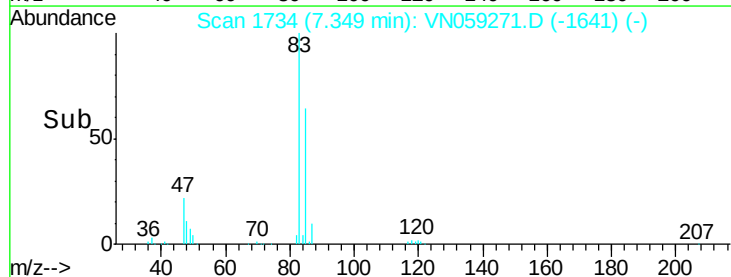
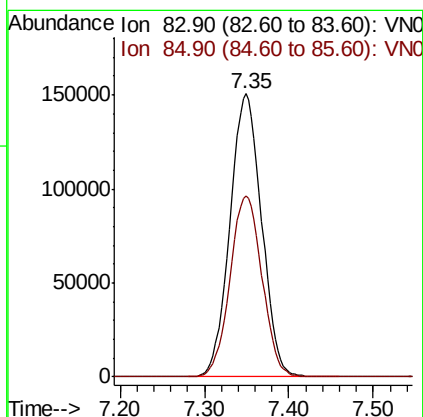
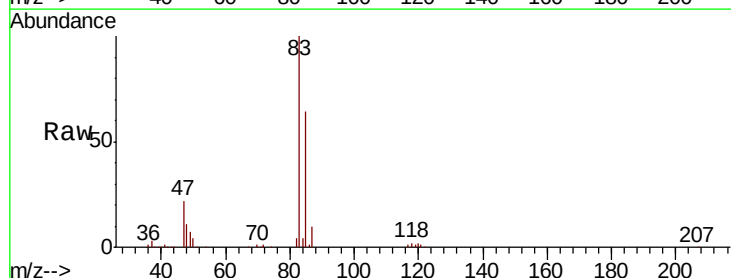
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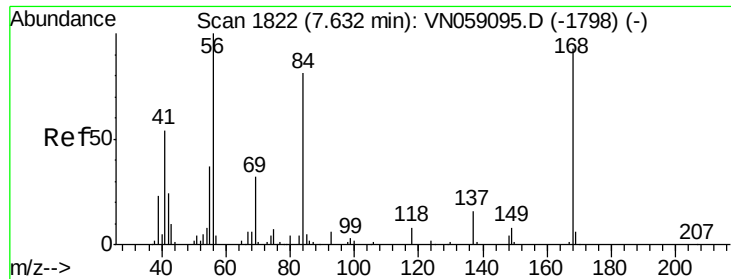
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#30
Chloroform
Concen: 52.504 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8





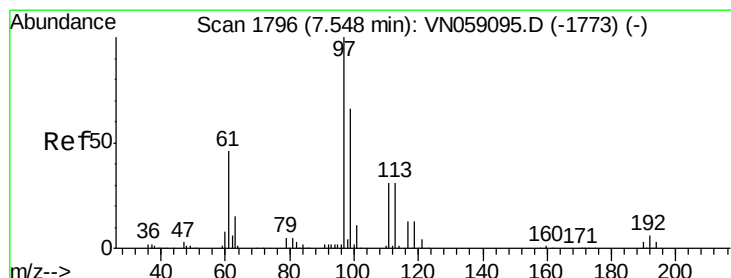
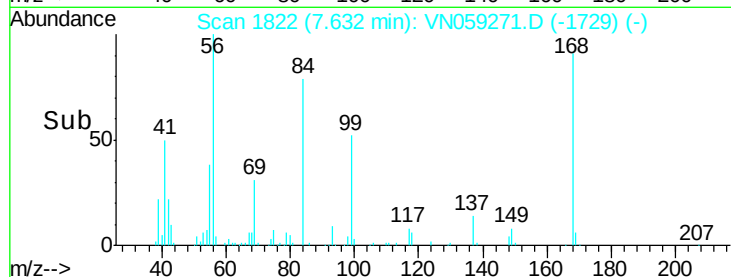
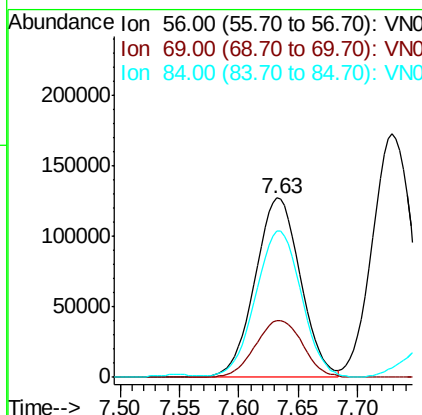
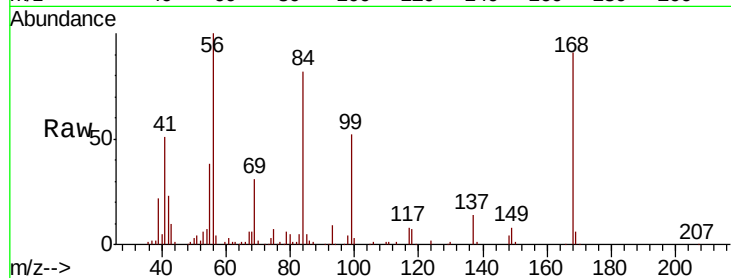
#31
Cyclohexane
Concen: 45.678 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.8	38.8
84	80.4	65.0	97.4

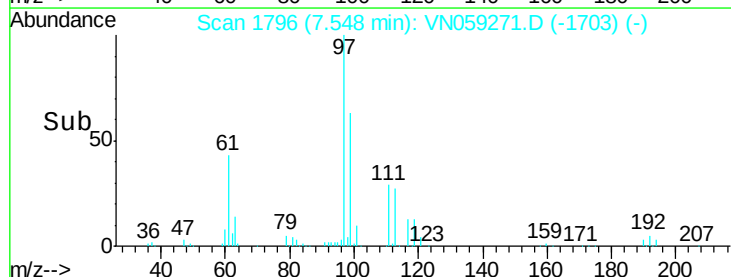
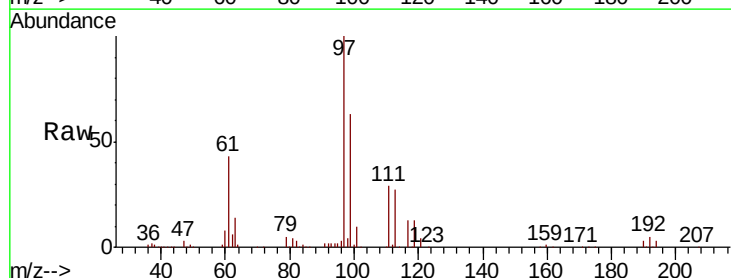
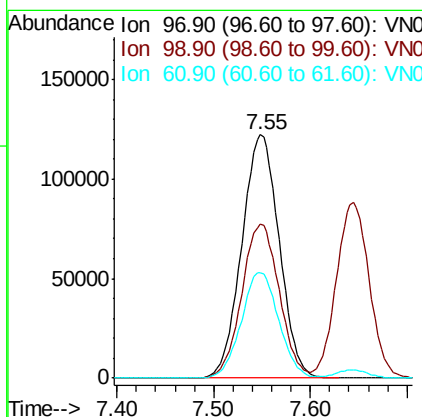
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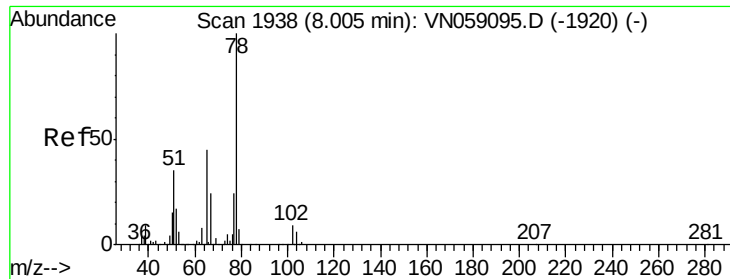
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#32
1,1,1-Trichloroethane
Concen: 52.277 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	43.5	35.8	53.8





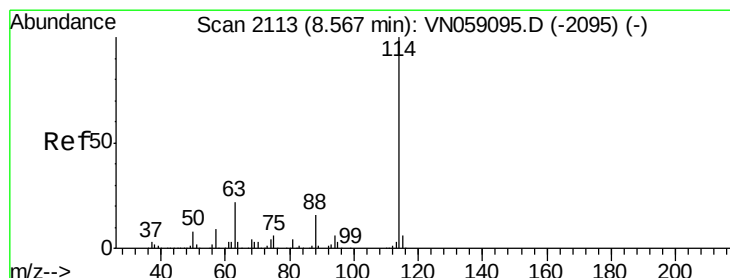
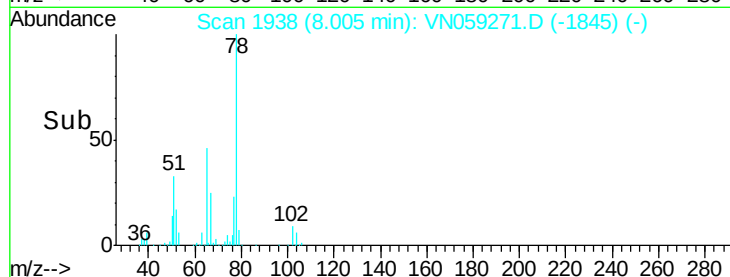
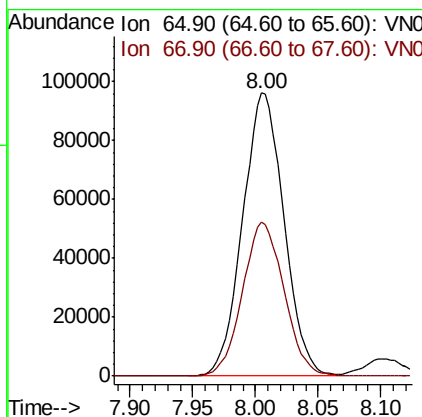
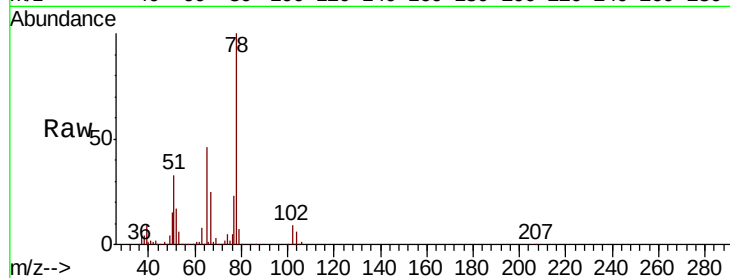
#33
 1,2-Dichloroethane-d4
 Concen: 46.612 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	107.4	

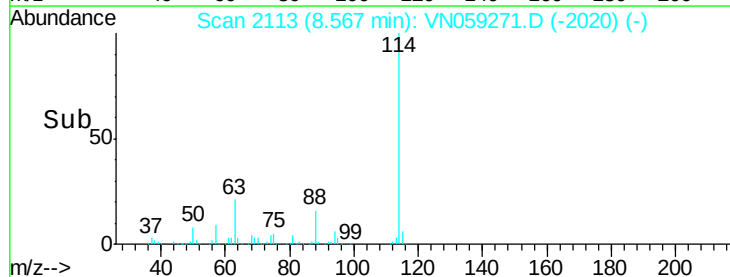
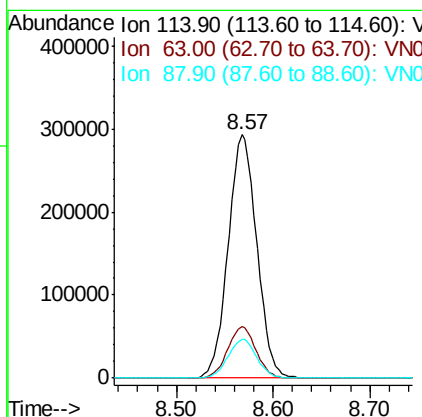
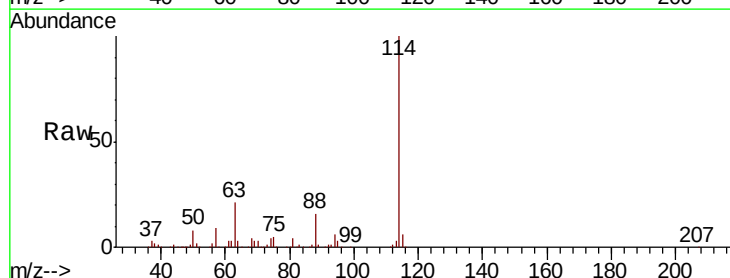
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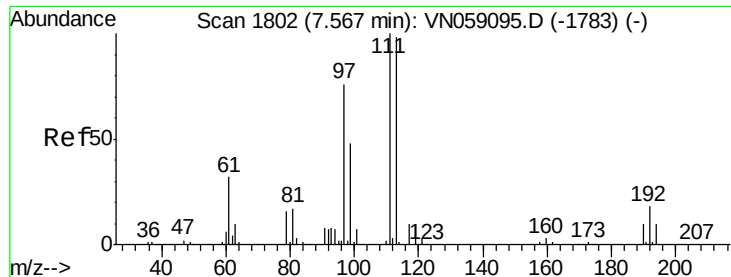
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 11/18/2019 3:09:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	43.4	
88	15.9	0.0	32.2	





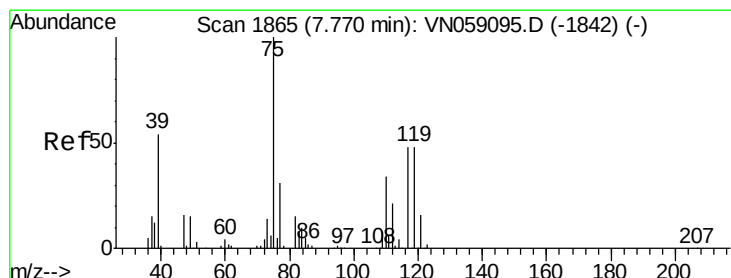
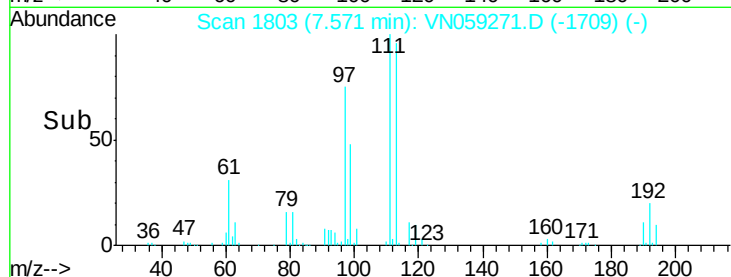
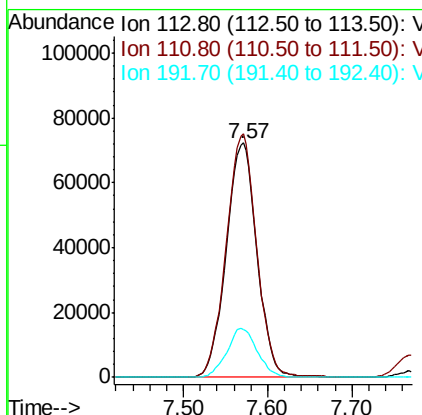
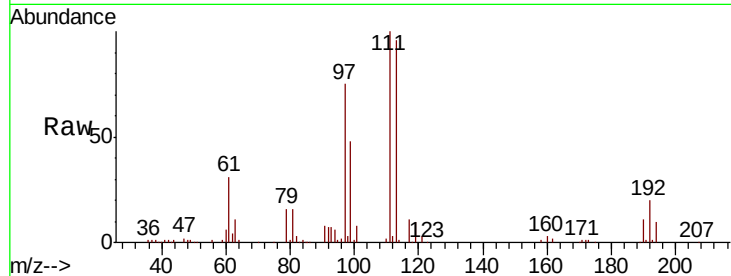
#35
Dibromofluoromethane
Concen: 50.886 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183021		
111	102.7	82.8	124.2	
192	20.5	16.1	24.1	

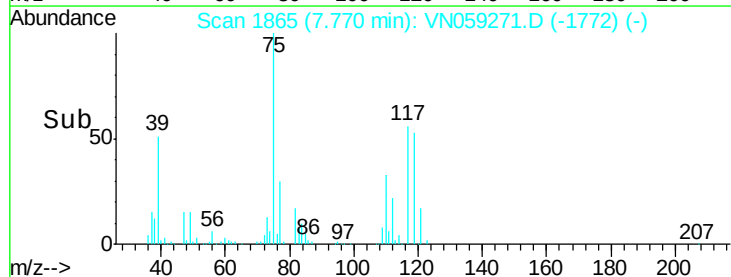
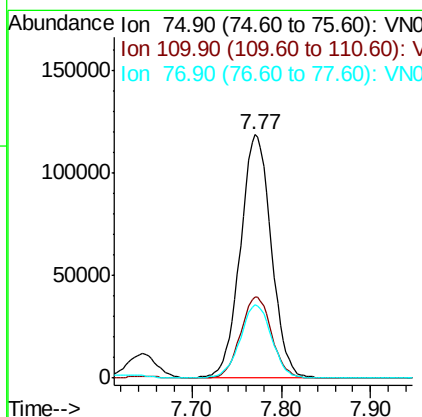
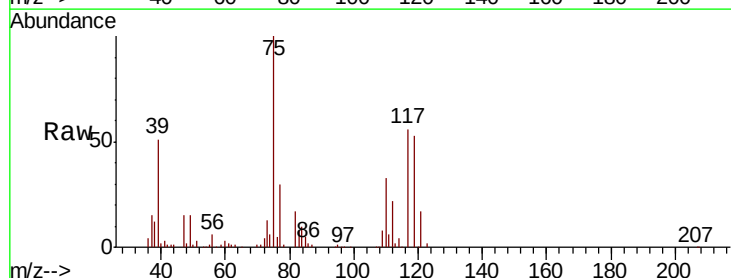
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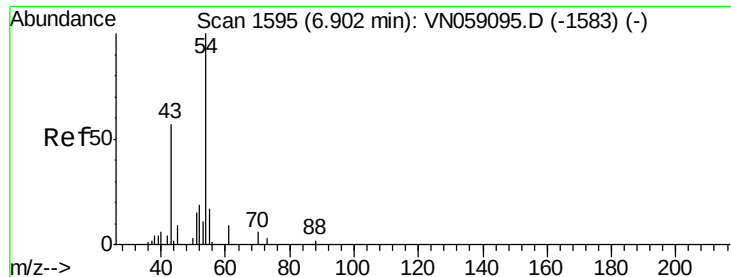
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#36
1,1-Dichloropropene
Concen: 50.603 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	284910		
110	33.7	17.1	51.2	
77	30.8	24.8	37.2	





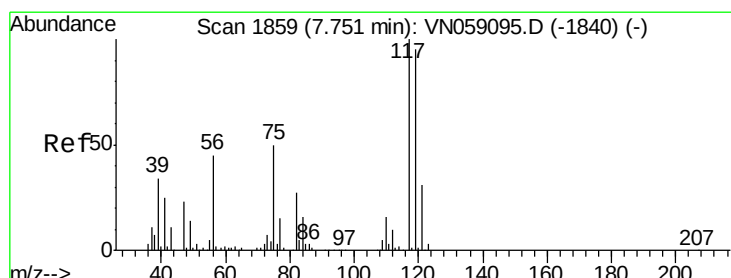
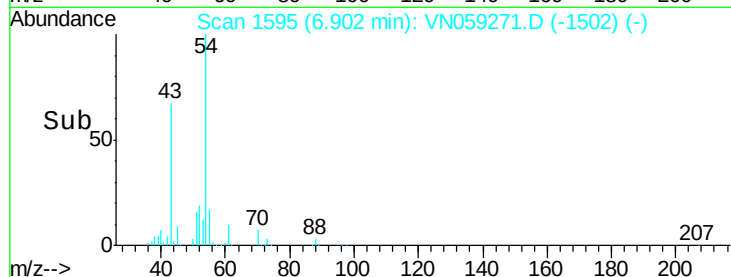
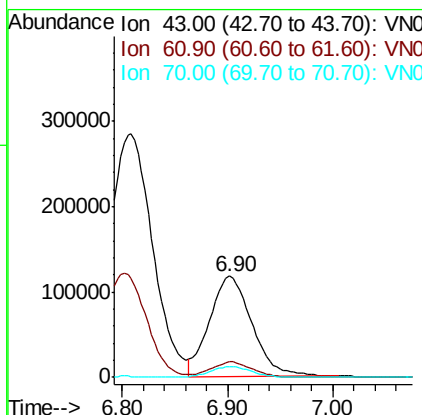
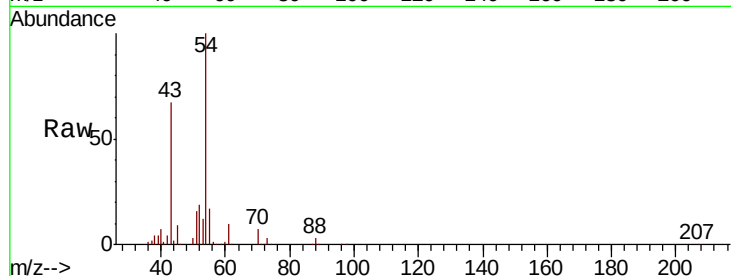
#37
Ethyl Acetate
Concen: 52.479 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.2	16.8
70	10.6	7.8	11.8

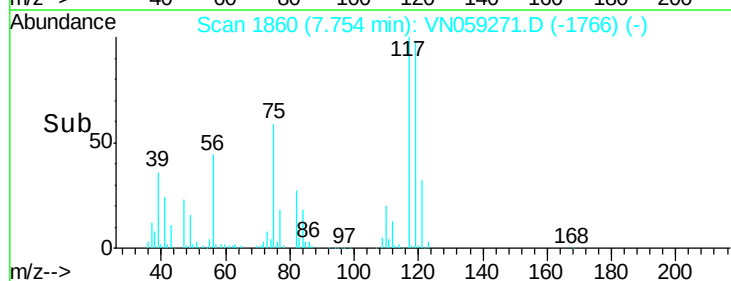
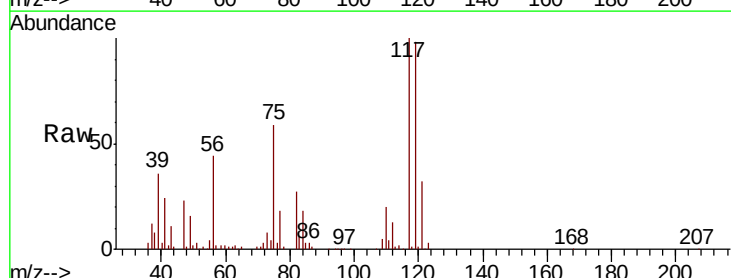
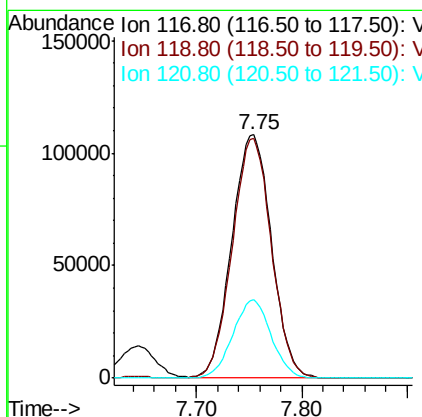
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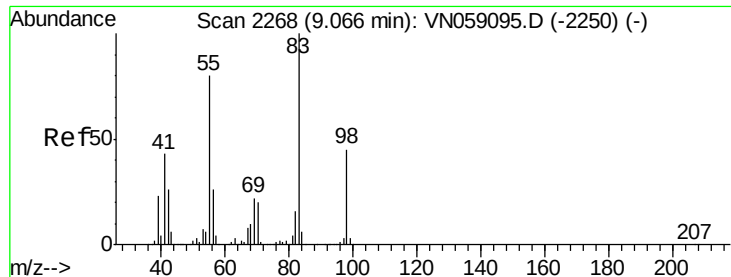
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#38
Carbon Tetrachloride
Concen: 50.546 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	75.6	113.4
121	32.1	24.6	36.8





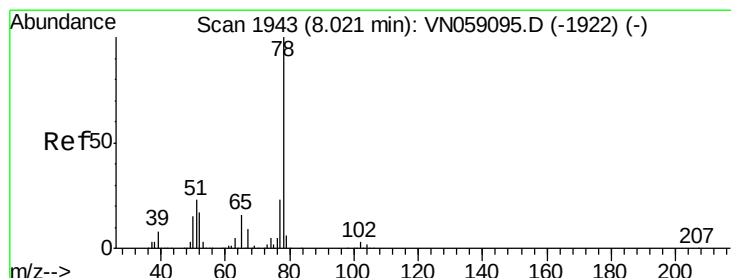
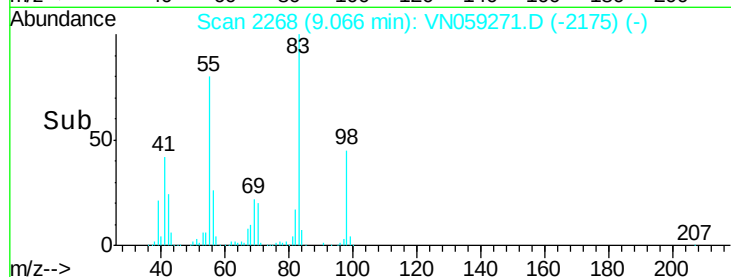
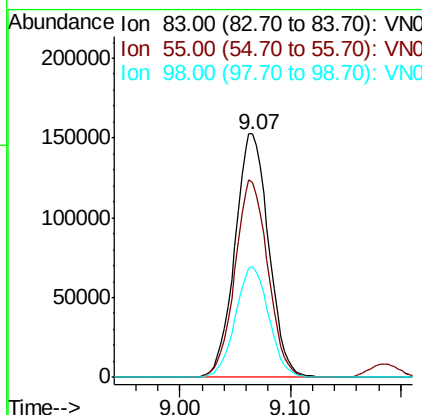
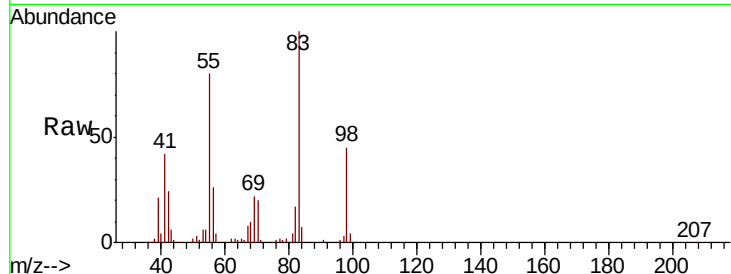
#39
Methylvlcyclohexane
Concen: 49.372 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.3	63.9	95.9	
98	45.3	35.6	53.4	

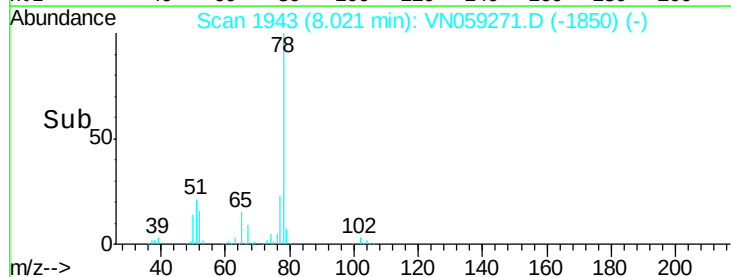
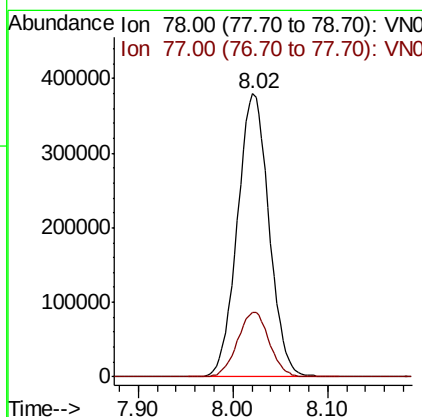
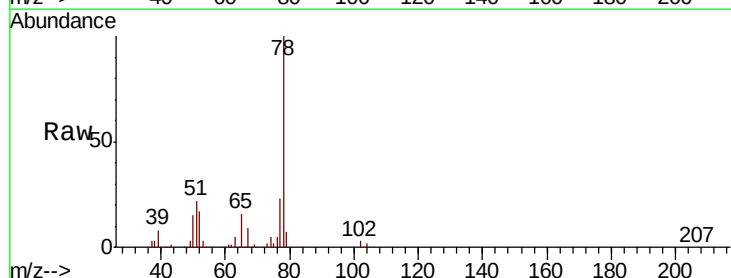
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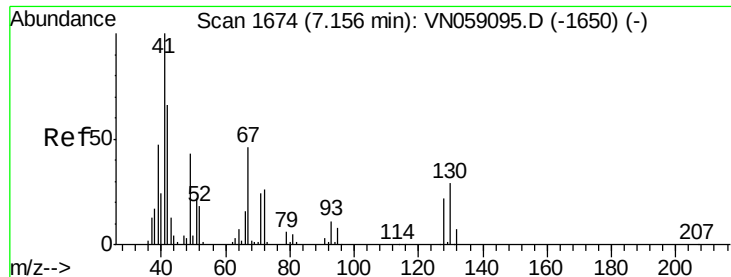
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#40
Benzene
Concen: 52.066 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.8	18.8	28.2	





#41

Methacrylonitrile

Concen: 57.749 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 157289

Ion Ratio Lower Upper

41 100

39 46.6 0.0 0.0#

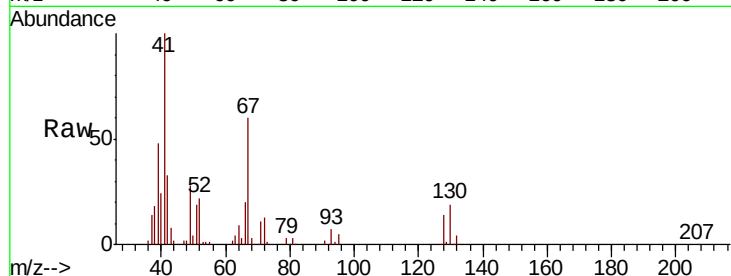
67 84.2 0.0 0.0#

52 32.3 0.0 0.0#

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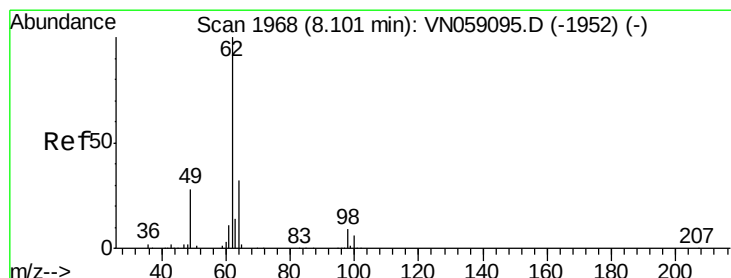
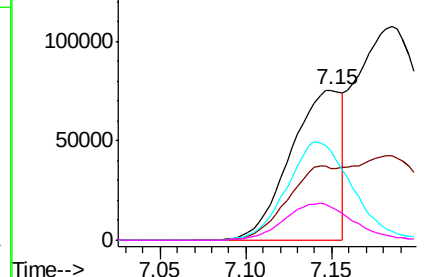
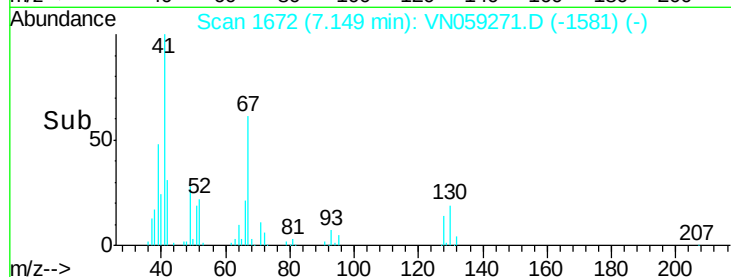


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 51.164 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059271.D

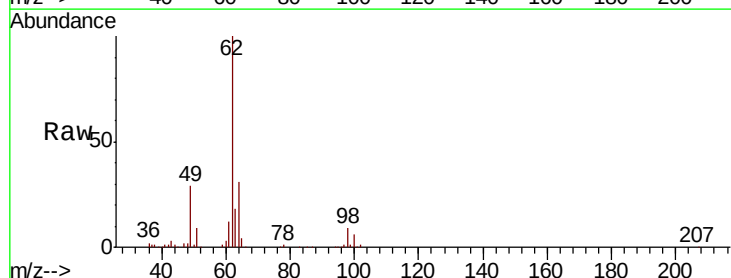
Acq: 15 Nov 2019 17:09

Tgt Ion: 62 Resp: 297522

Ion Ratio Lower Upper

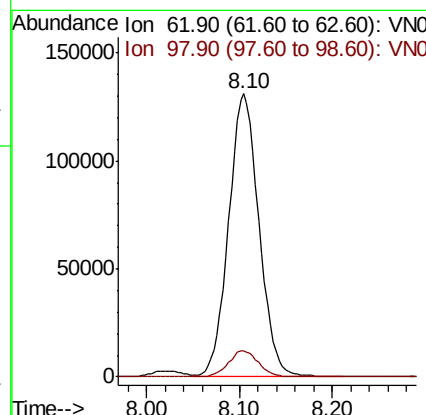
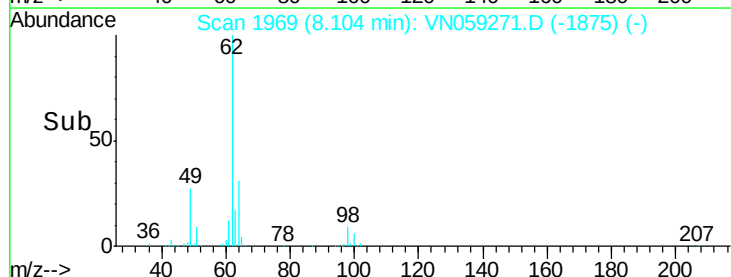
62 100

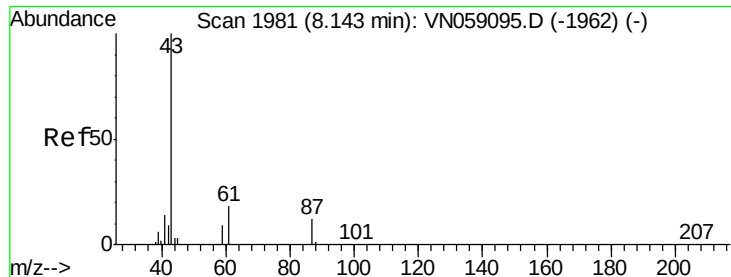
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





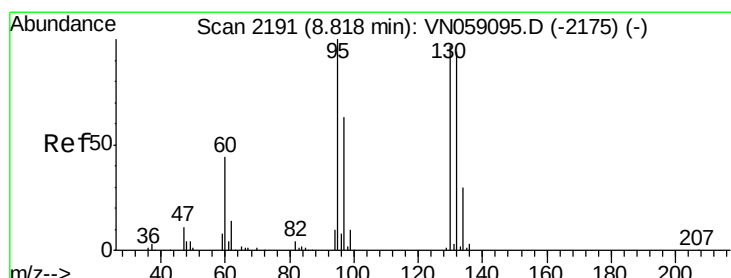
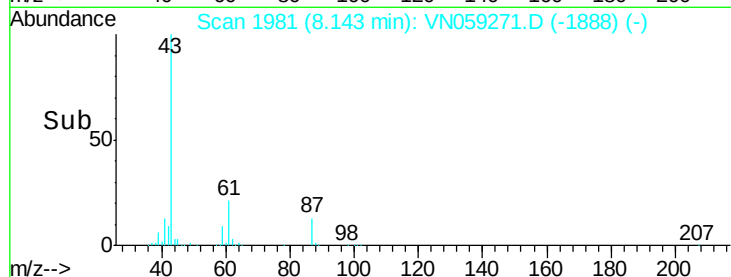
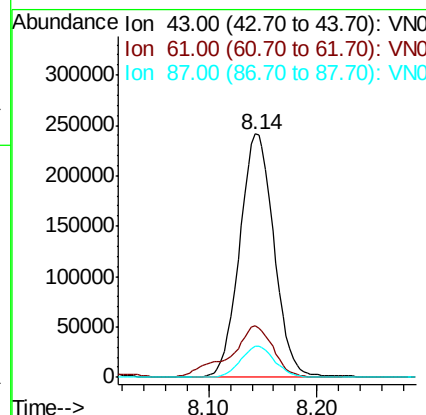
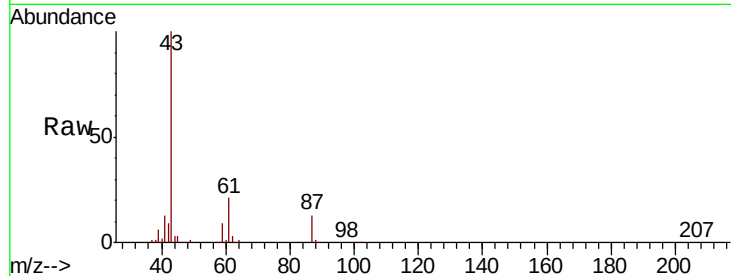
#43
Isopropyl Acetate
Concen: 53.304 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.0	31.6
87	12.8	9.8	14.6

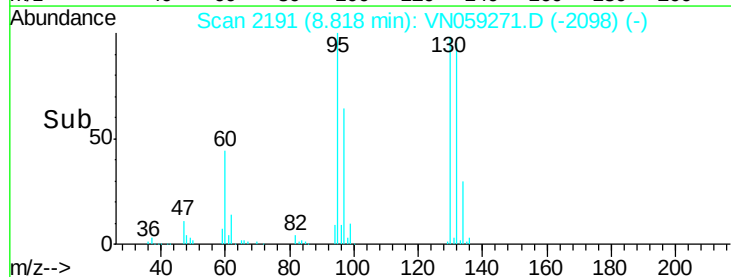
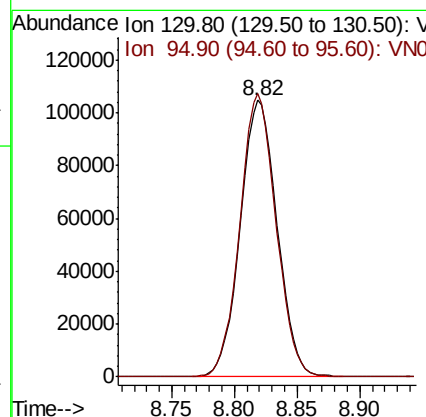
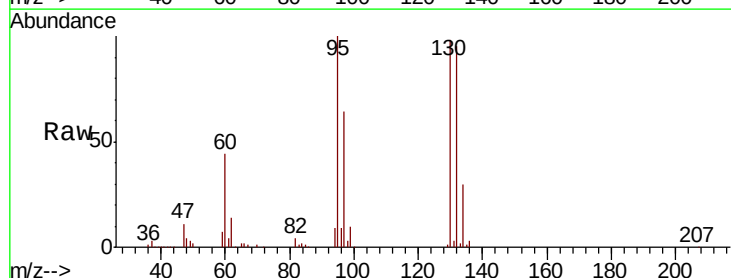
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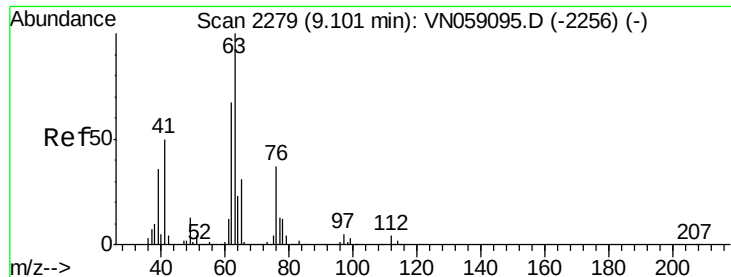
MMDadoda
11/18/2019 3:09:37 PM



#44
Trichloroethene
Concen: 51.365 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	206.4





#45

1,2-Dichloropropane

Concen: 53.207 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 245032

Ion Ratio Lower Upper

63 100

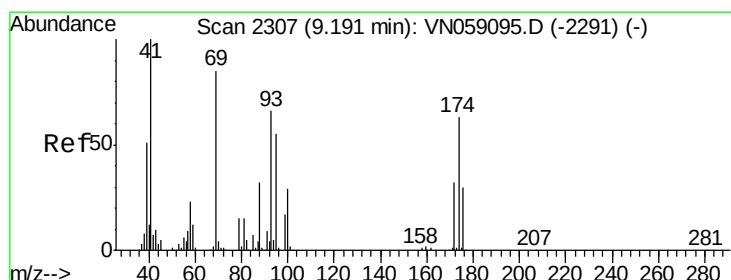
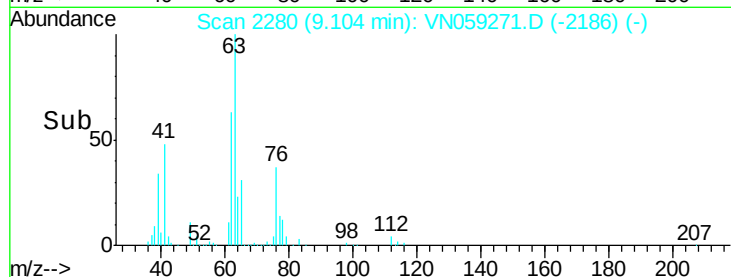
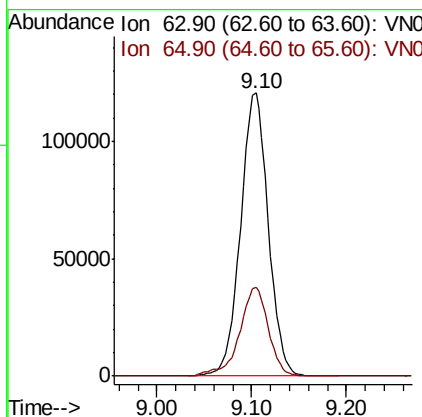
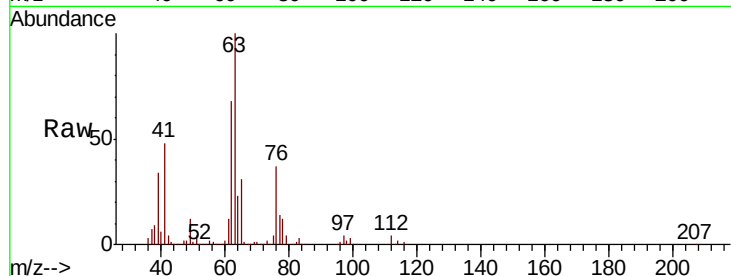
65 31.4 24.6 37.0

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#46

Dibromomethane

Concen: 51.179 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

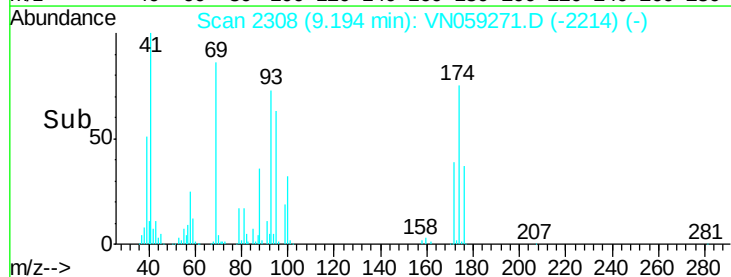
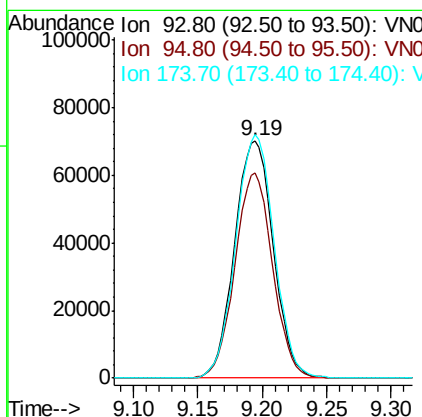
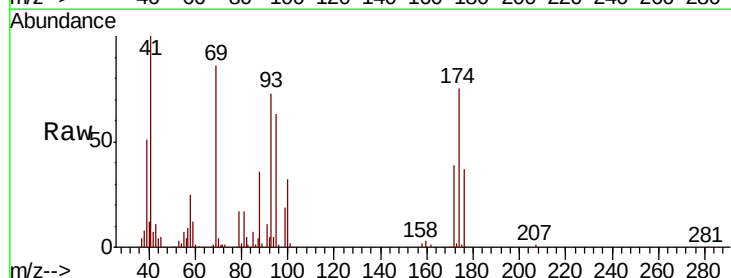
Tgt Ion: 93 Resp: 146872

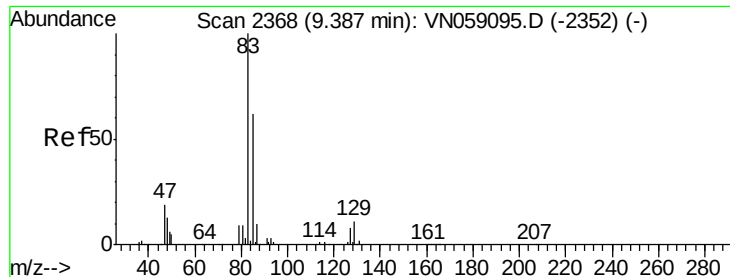
Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

174 101.6 78.2 117.2





#47

Bromodichloromethane

Concen: 54.231 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

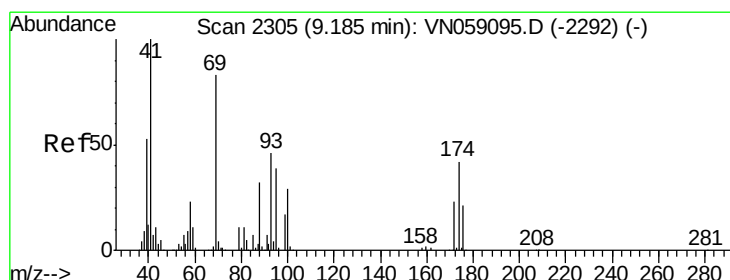
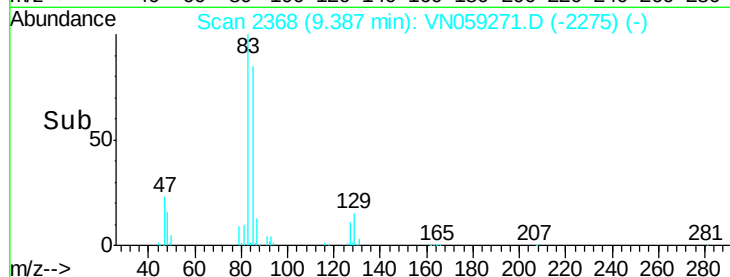
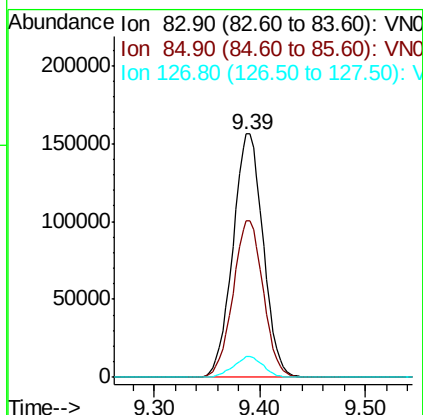
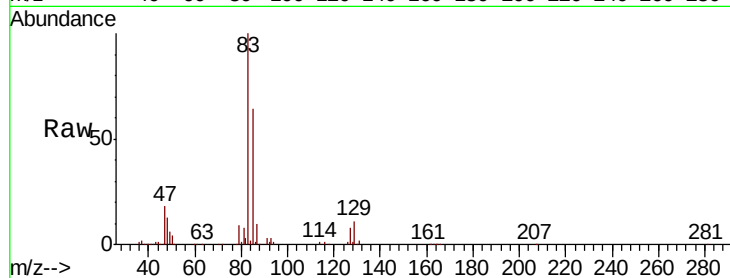
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	310767
Ion Ratio	Lower	Upper	
83	100		
85	64.1	49.7	74.5
127	8.4	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.260 ug/l

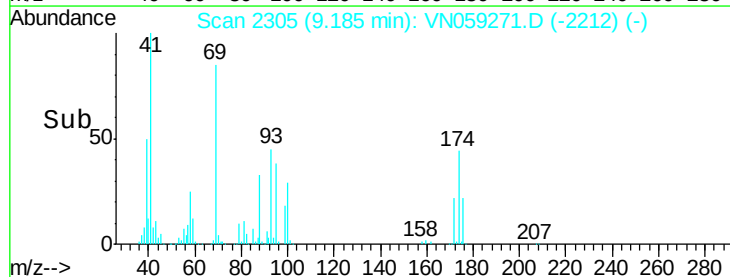
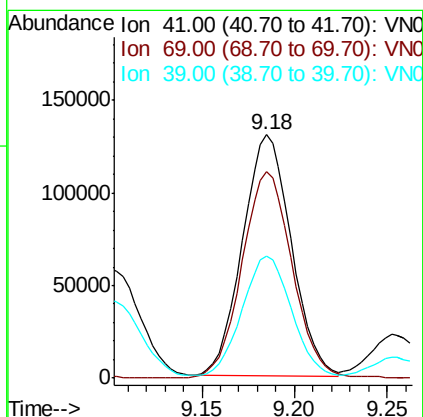
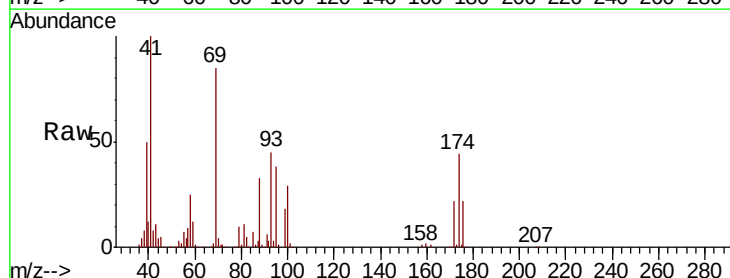
RT: 9.18 min Scan# 2305

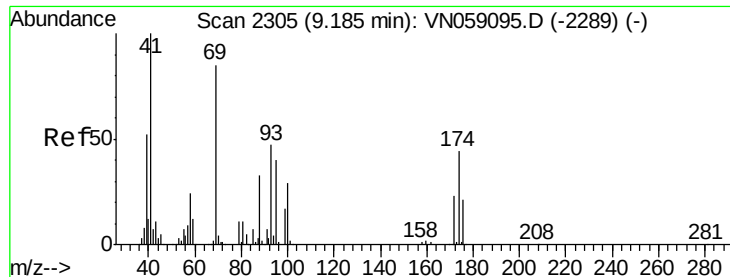
Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion:	41	Resp:	237891
Ion Ratio	Lower	Upper	
41	100		
69	88.5	67.3	100.9
39	52.0	43.3	64.9





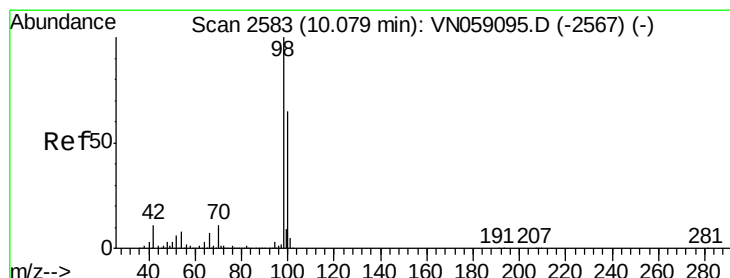
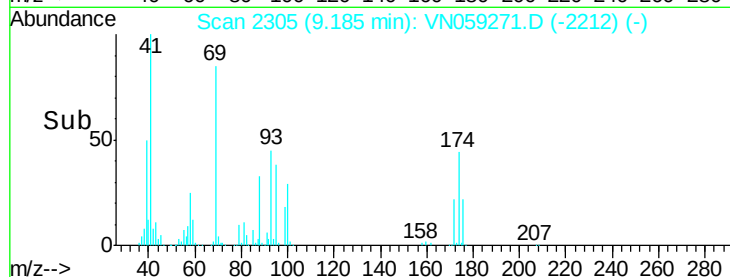
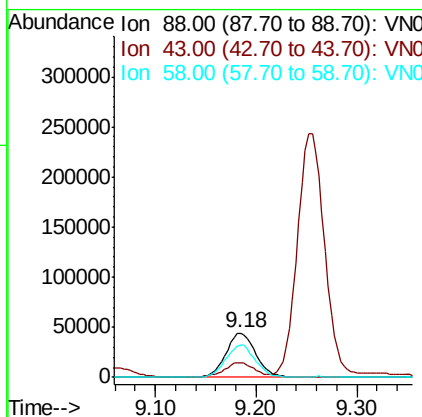
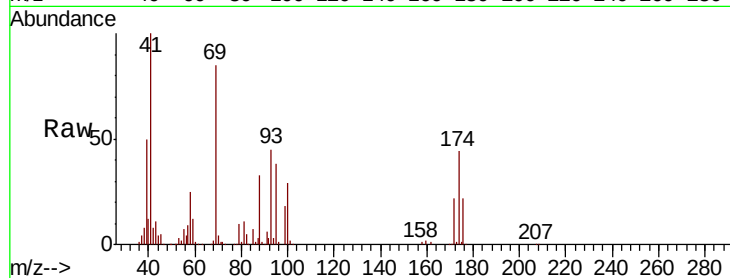
#49
 1,4-Dioxane
 Concen: 1152.492 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	91482
Ion	Ratio	Lower	Upper
88	100		
43	30.8	26.3	39.5
58	71.7	60.6	90.8

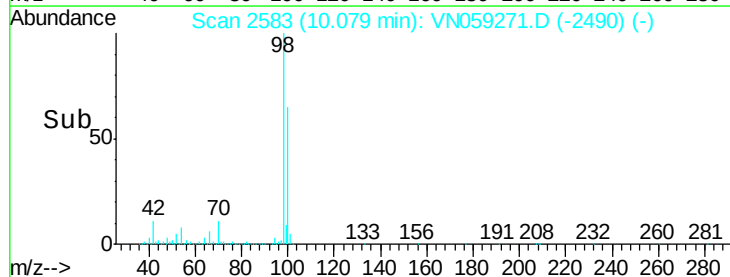
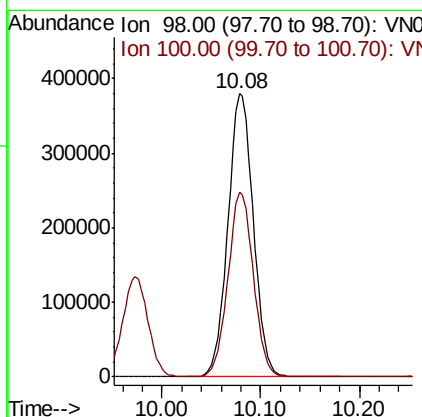
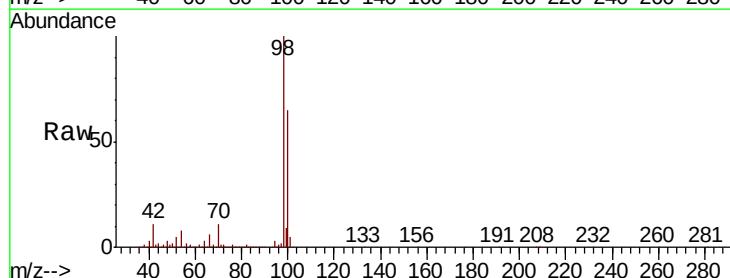
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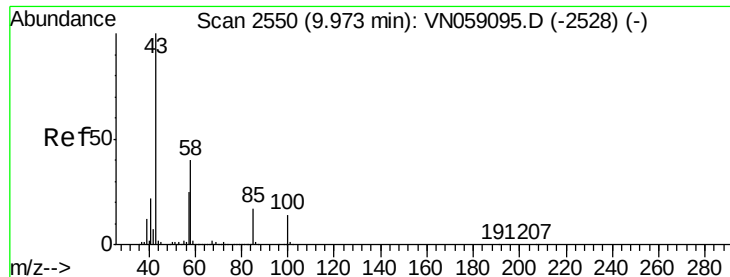
MMDadoda
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#50
 Toluene-d8
 Concen: 48.357 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion	98	Resp	685079
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





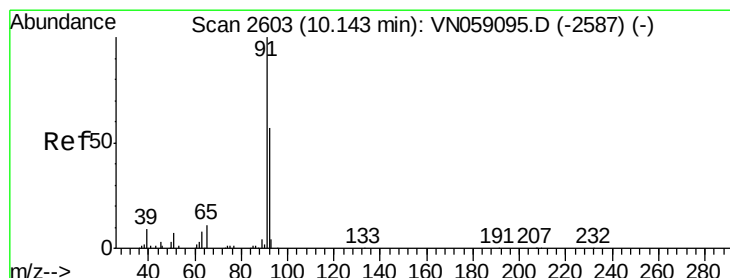
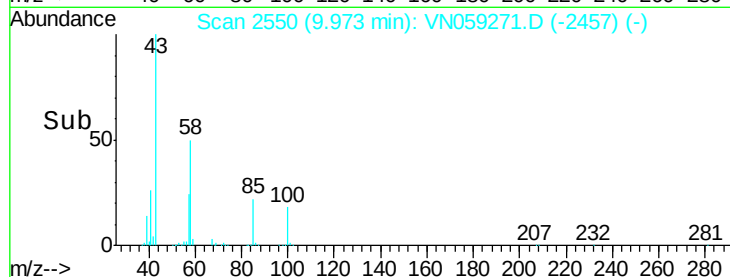
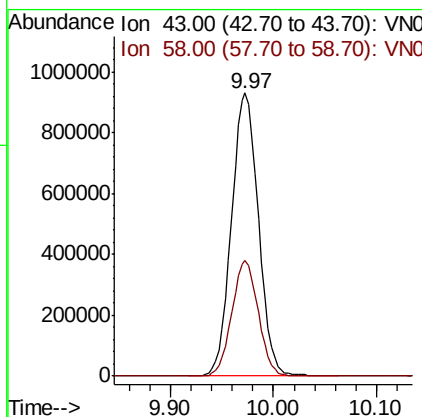
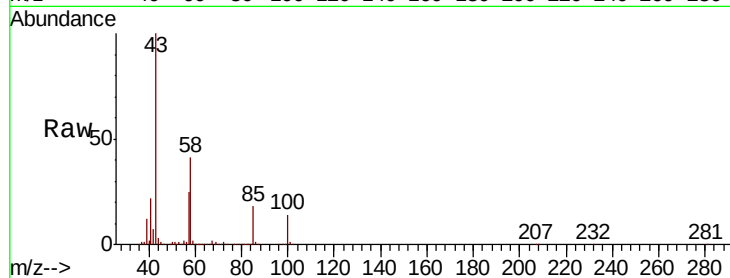
#51
4-Methyl-2-Pentanone
Concen: 299.275 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1690951
Ion Ratio Lower Upper
43 100
58 40.1 31.5 47.3

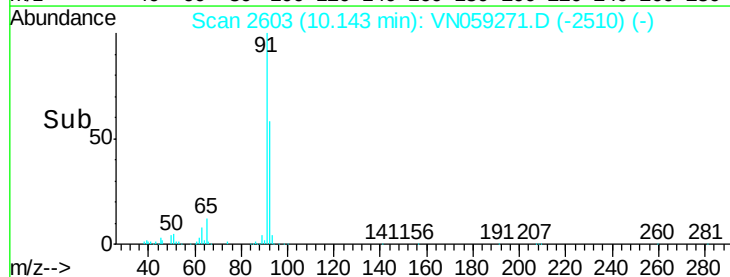
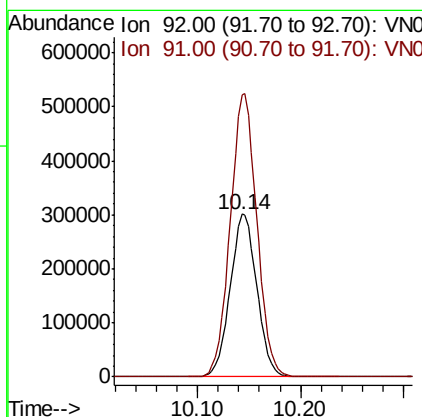
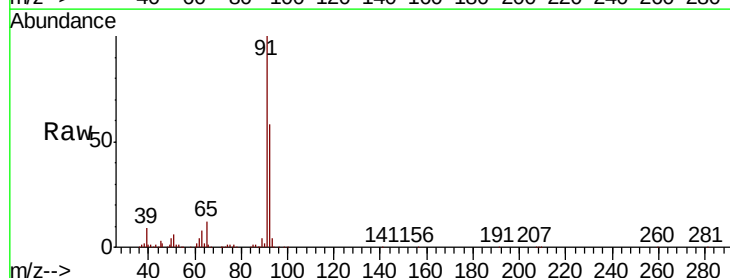
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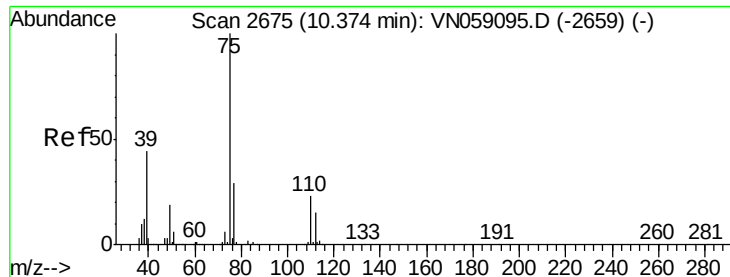
MMDadoda
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#52
Toluene
Concen: 53.357 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 92 Resp: 542225
Ion Ratio Lower Upper
92 100
91 173.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 53.771 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 355989

Ion Ratio Lower Upper

75 100

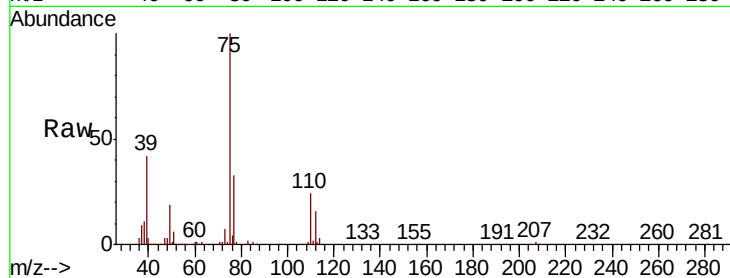
77 32.2 25.3 37.9

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

200000

150000

100000

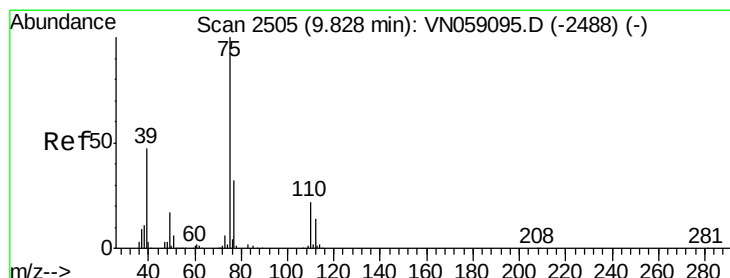
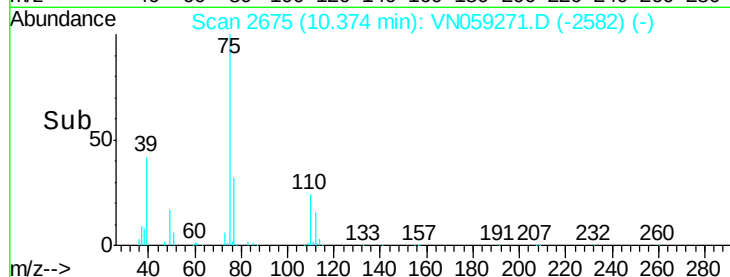
50000

0

10.30

10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.065 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

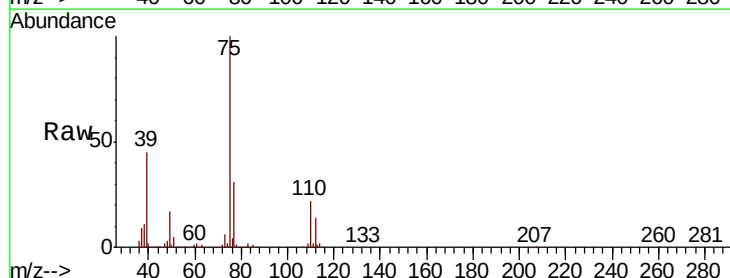
Tgt Ion: 75 Resp: 385028

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 44.8 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

150000

100000

50000

0

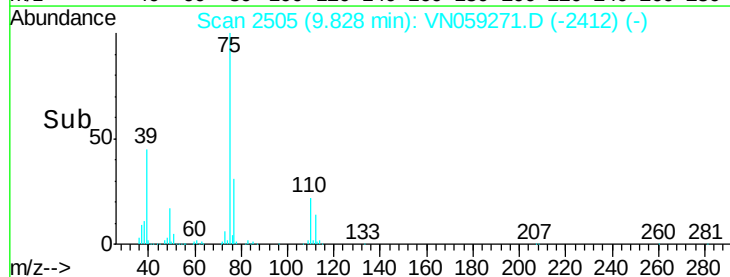
9.75

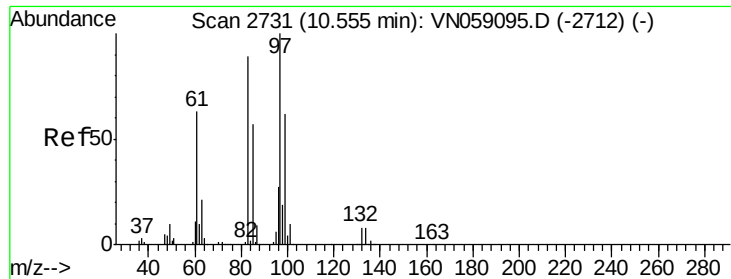
9.80

9.85

9.90

Time-->





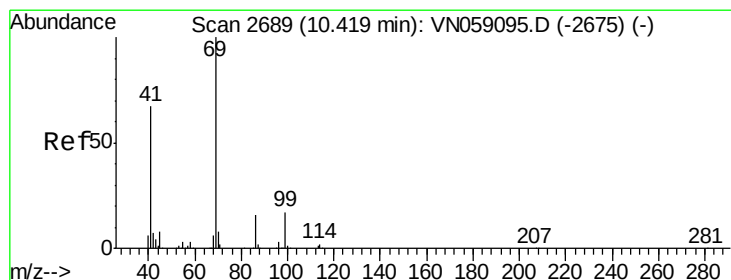
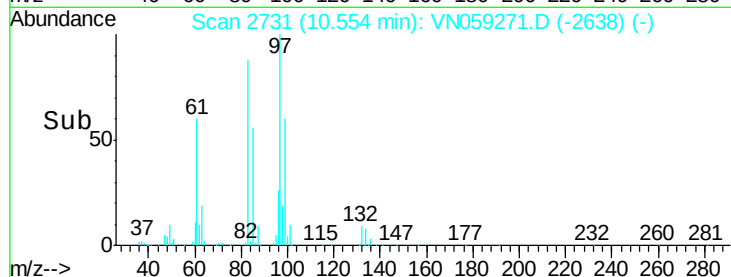
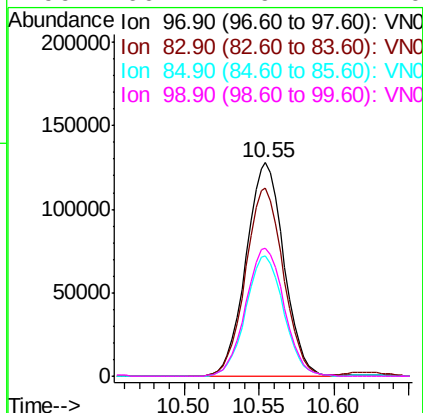
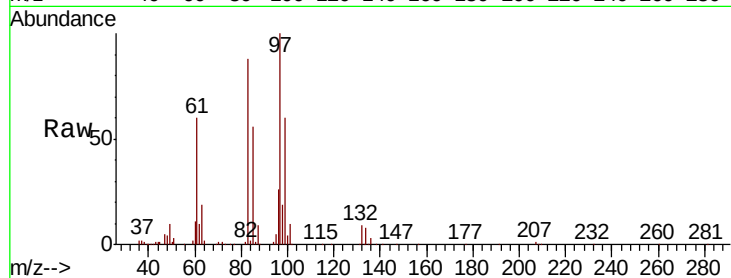
#55
 1,1,2-Trichloroethane
 Concen: 54.780 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	225297
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.0	106.4
85	56.5	45.8	68.8
99	60.1	49.4	74.0

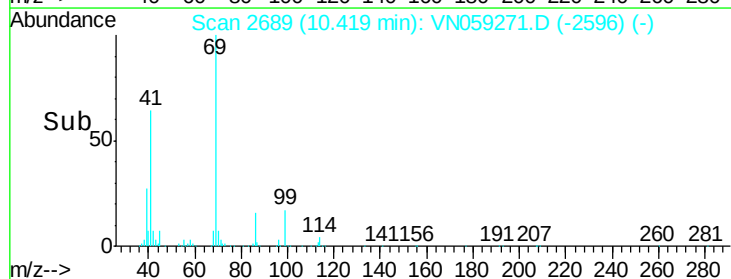
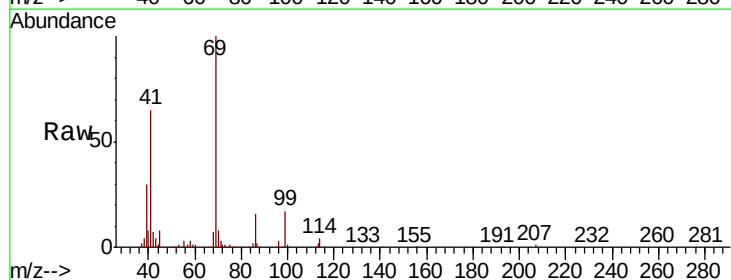
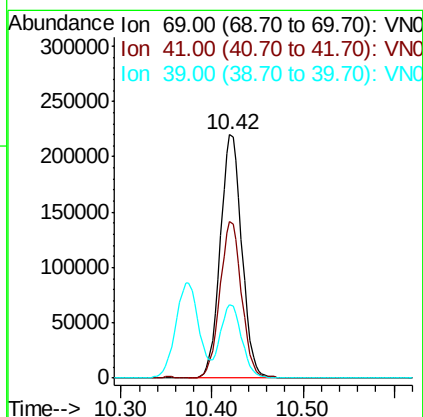
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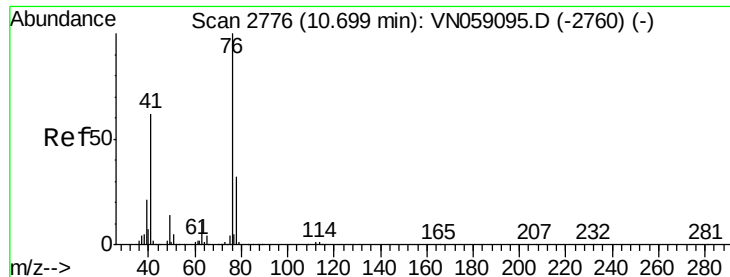
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#56
 Ethyl methacrylate
 Concen: 52.799 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion:	69	Resp:	362931
Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.6	80.4
39	30.1	26.2	39.4





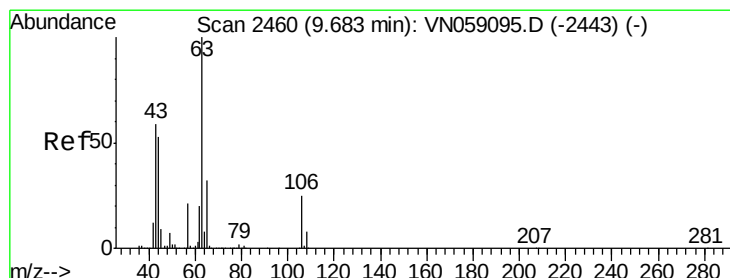
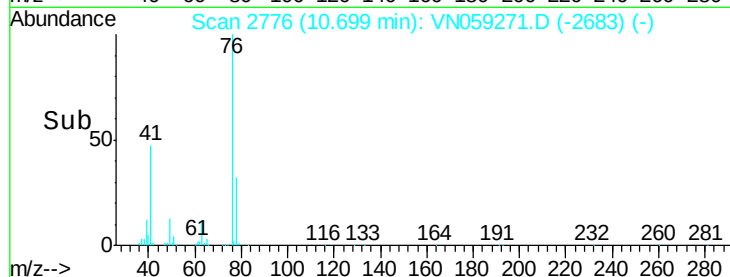
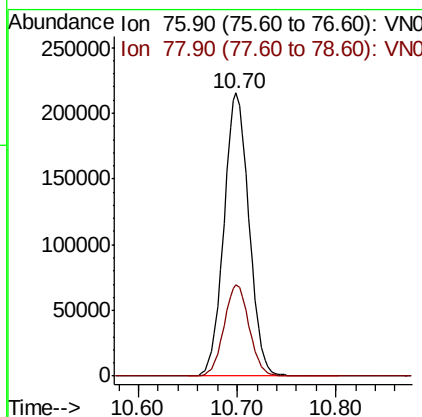
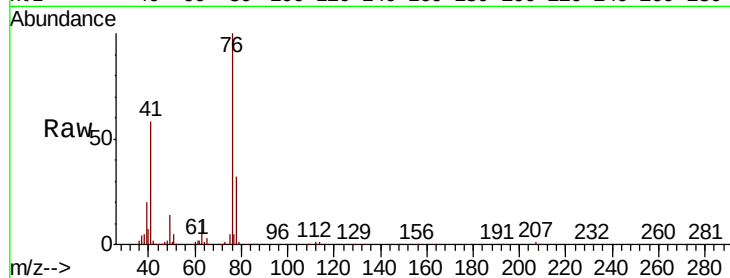
#57
 1,3-Dichloropropane
 Concen: 54.181 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

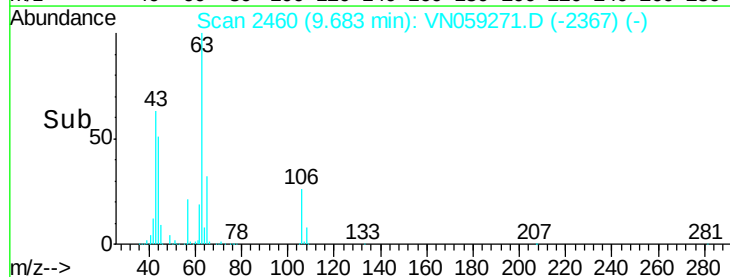
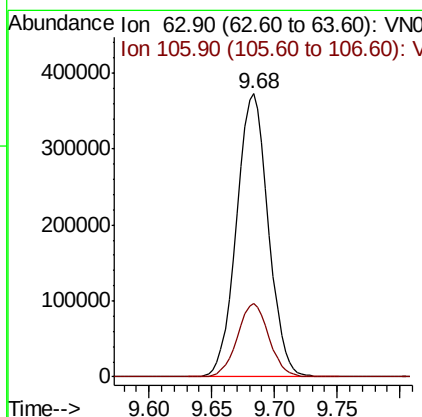
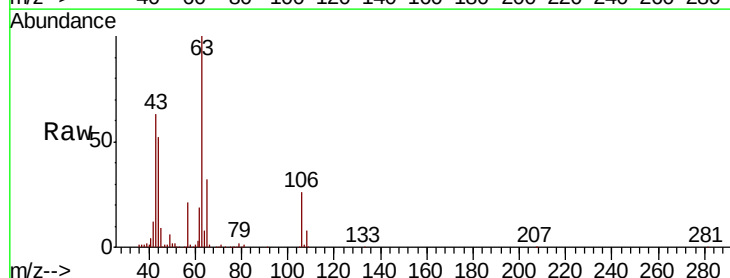
Manual Integrations
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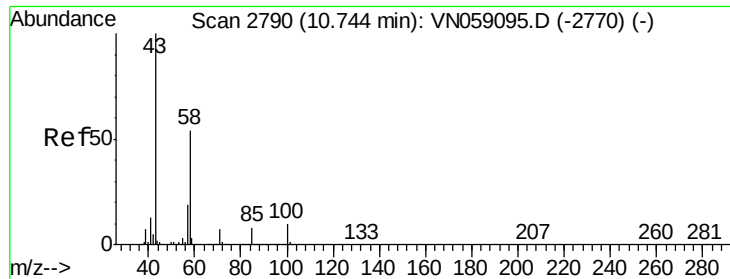
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#58
 2-Chloroethyl Vinyl ether
 Concen: 286.390 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	20.2	30.2





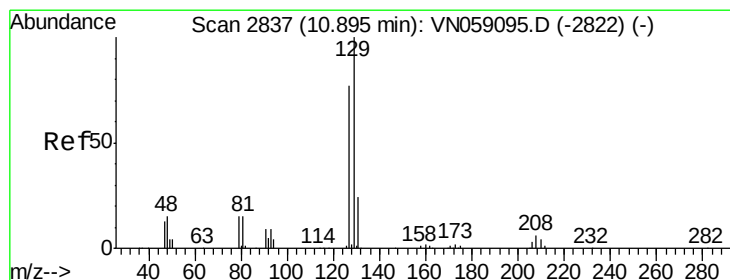
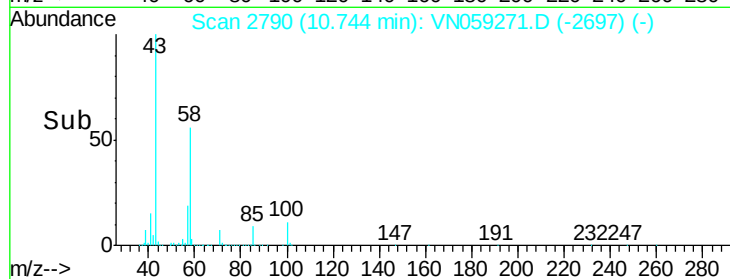
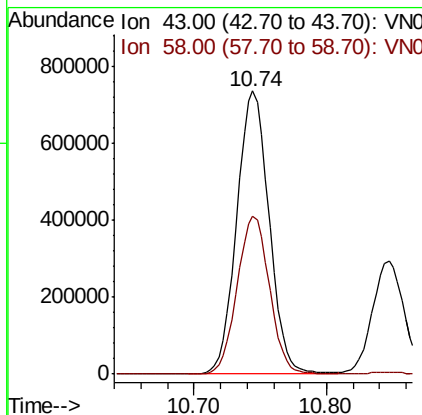
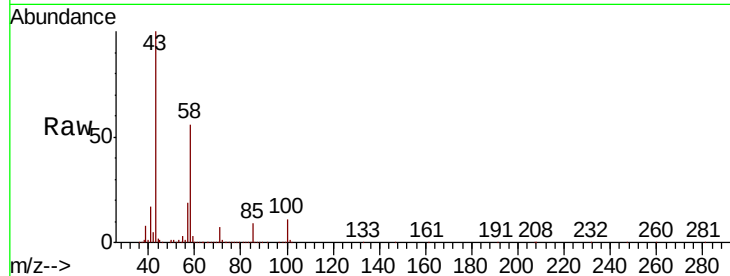
#59
2-Hexanone
Concen: 286.936 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1244372
Ion Ratio Lower Upper
43 100
58 56.0 27.3 81.8

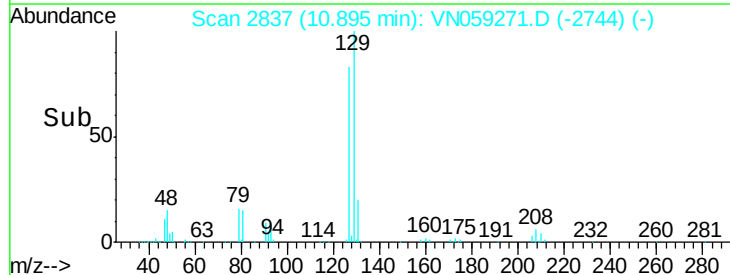
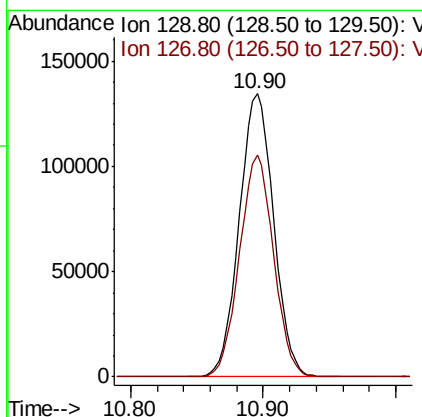
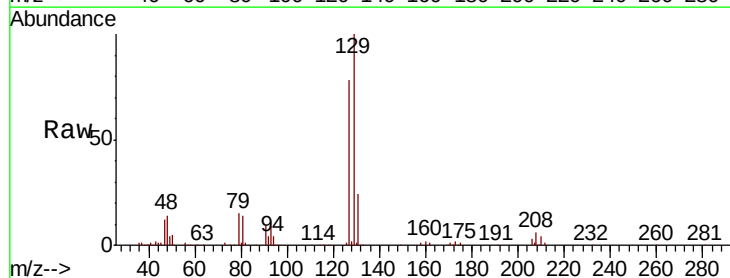
Manual Integrations
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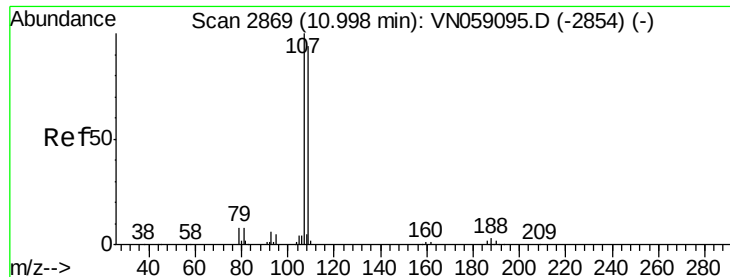
MMDadoda
11/18/2019 3:09:37 PM



#60
Dibromochloromethane
Concen: 55.713 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 129 Resp: 242262
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 54.725 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

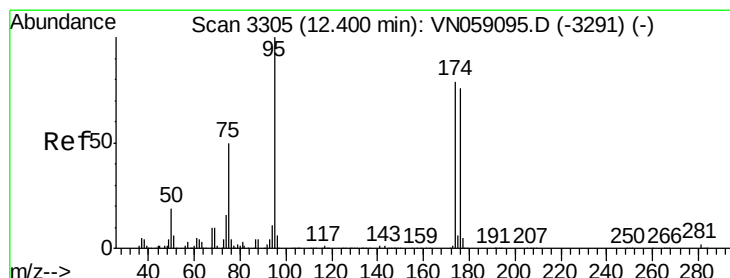
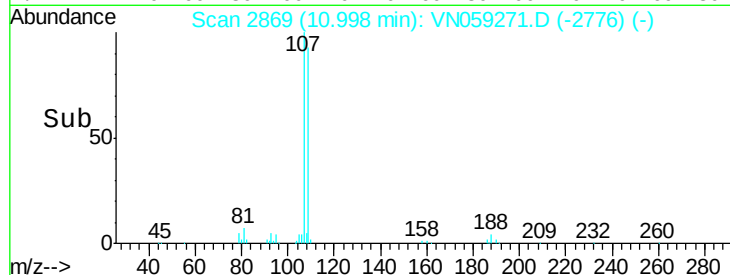
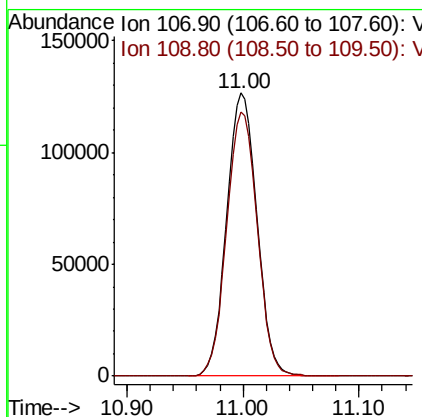
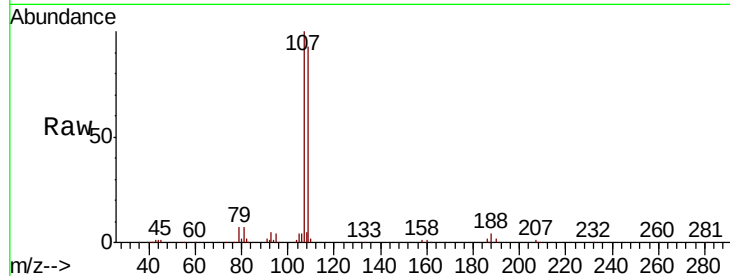
ClientSampleId :

VSTDCCC050EC

Tot Ion:	107	Resp:	227842
Ion Ratio	Lower	Upper	
107	100		
109	94.4	75.5	113.3

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.042 ug/l

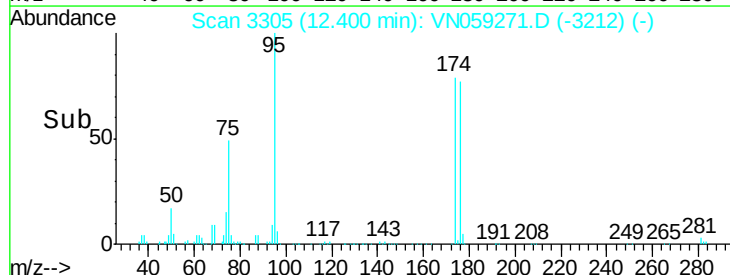
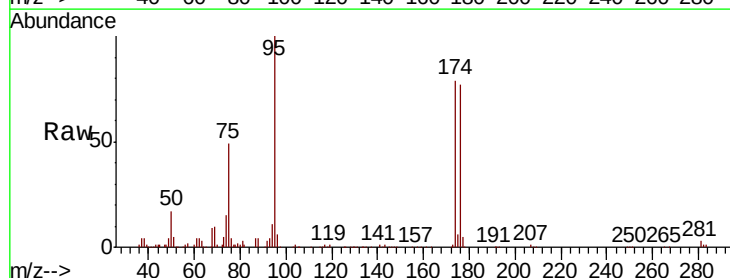
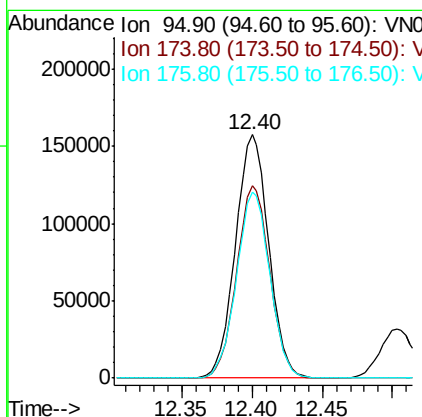
RT: 12.40 min Scan# 3305

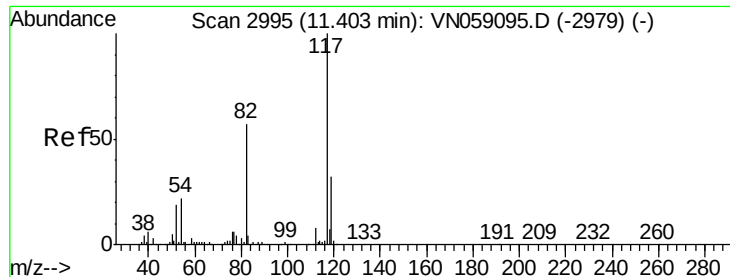
Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion:	95	Resp:	260728
Ion Ratio	Lower	Upper	
95	100		
174	79.0	0.0	158.2
176	76.6	0.0	151.8





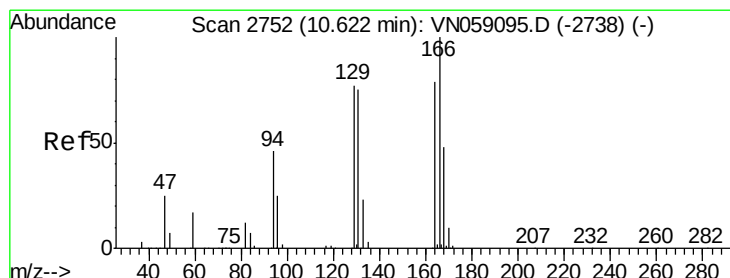
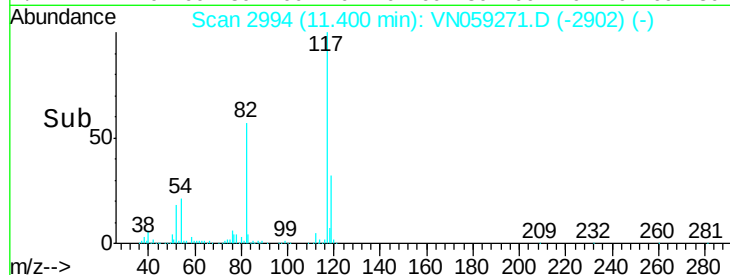
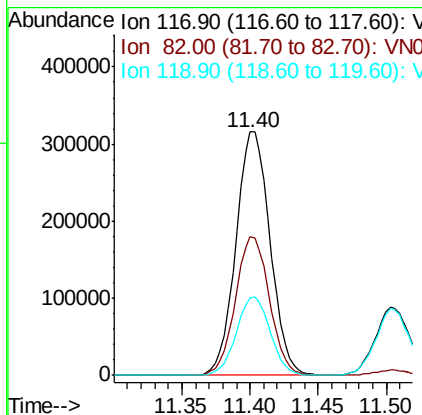
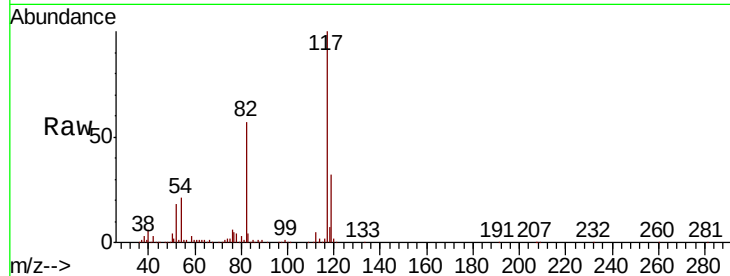
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.8
119	31.8	25.8	38.6

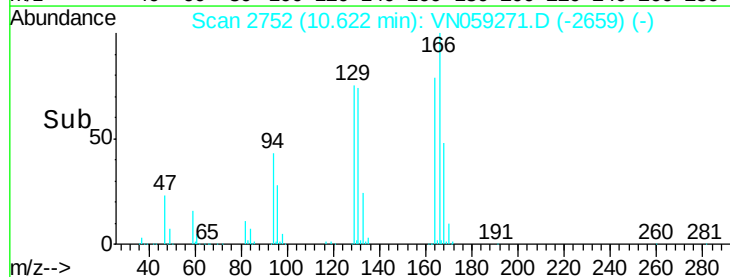
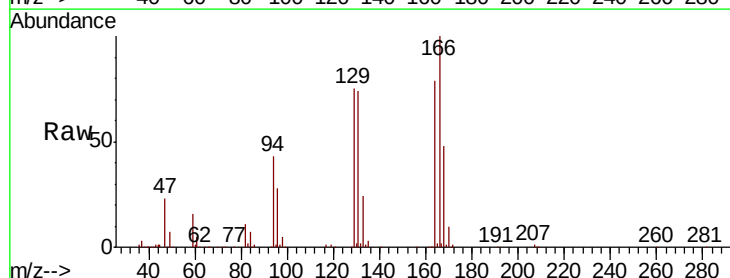
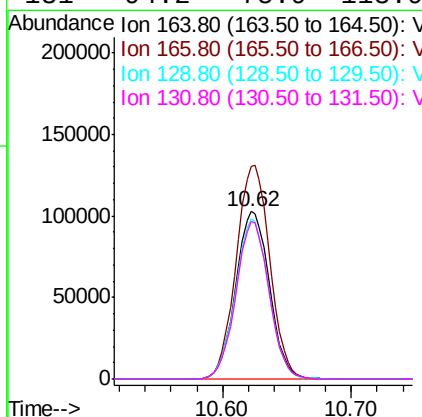
Manual Integrations
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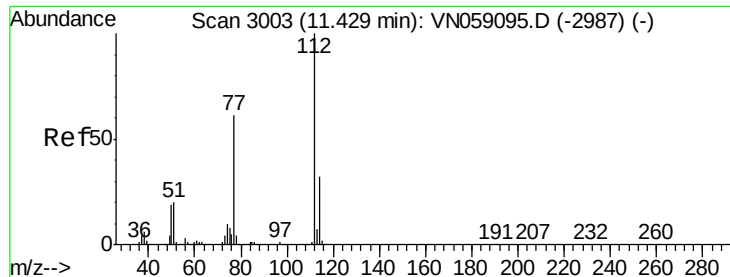
MMDadoda
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#64
Tetrachloroethene
Concen: 50.097 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.5	152.3
129	95.9	78.3	117.5
131	94.2	75.9	113.9





#65

Chlorobenzene

Concen: 54.113 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 579548

Ion Ratio Lower Upper

112 100

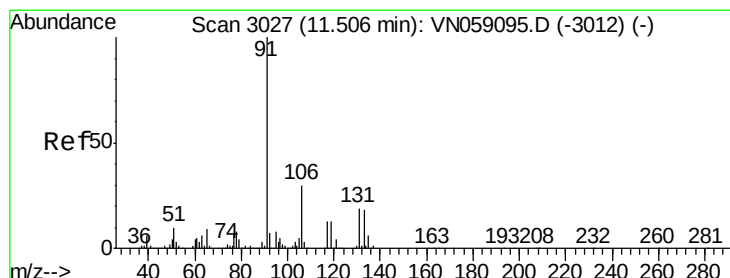
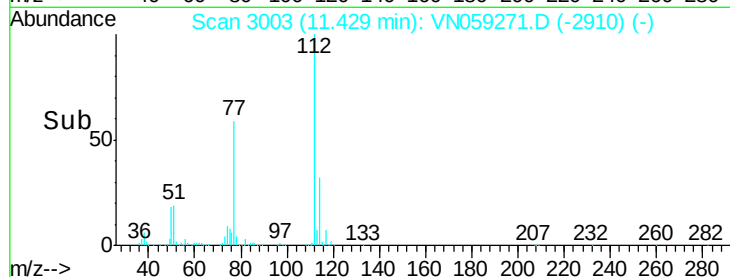
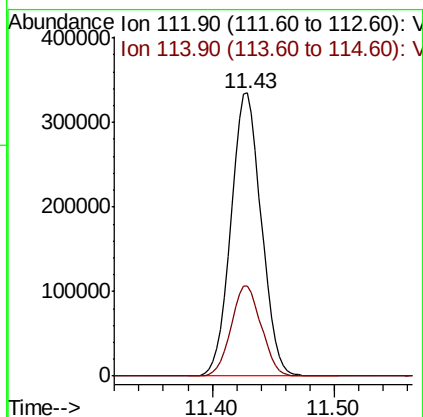
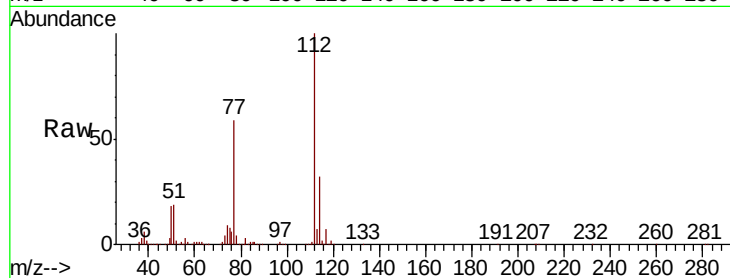
114 31.9 25.2 37.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 55.343 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

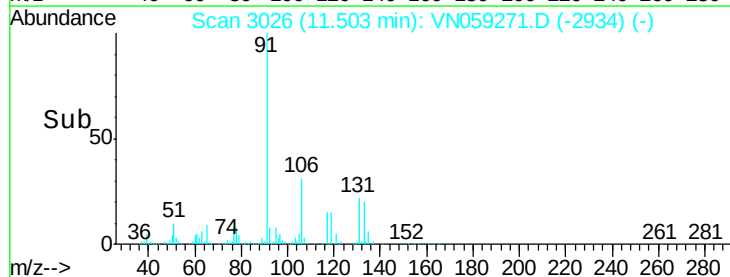
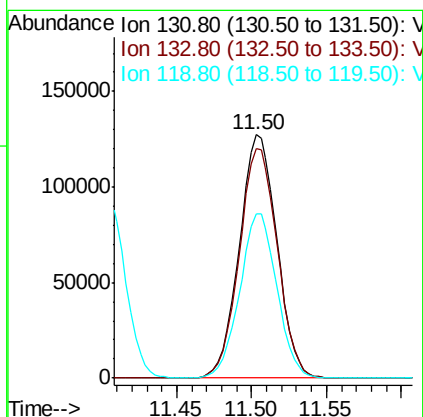
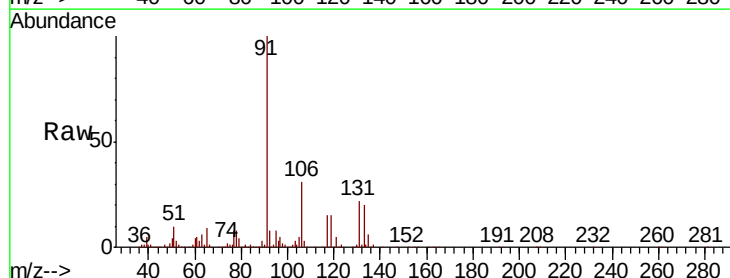
Tgt Ion:131 Resp: 222344

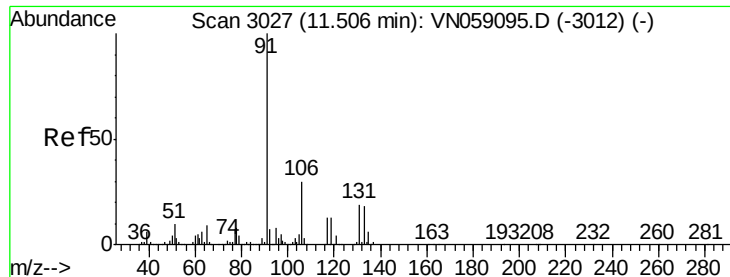
Ion Ratio Lower Upper

131 100

133 95.8 47.4 142.3

119 66.6 33.2 99.6





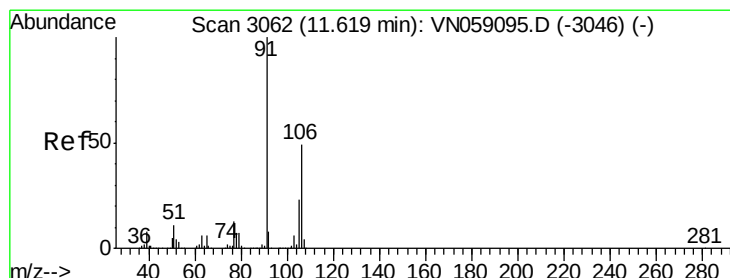
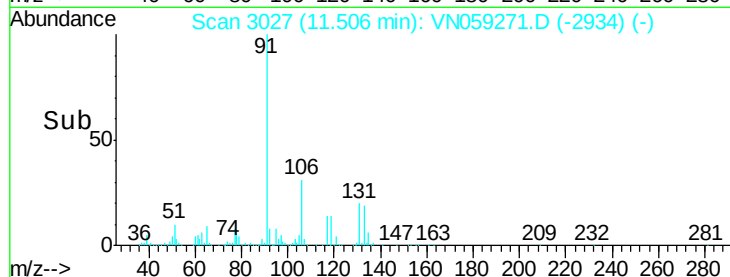
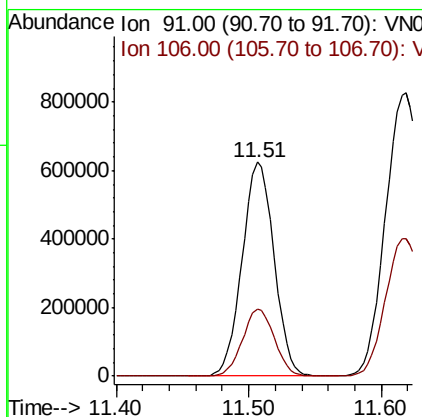
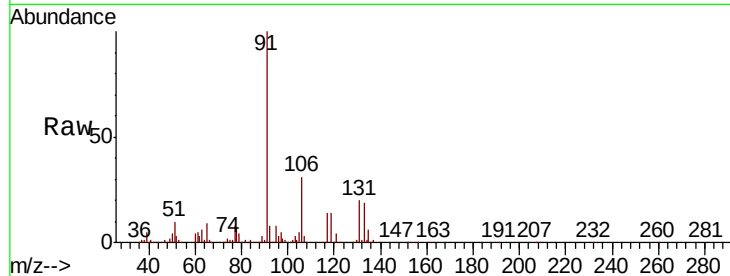
#67
Ethyl Benzene
Concen: 55.044 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1045934
Ion Ratio Lower Upper
91 100
106 31.3 24.1 36.1

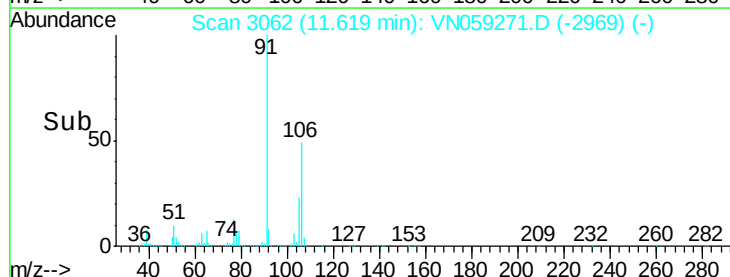
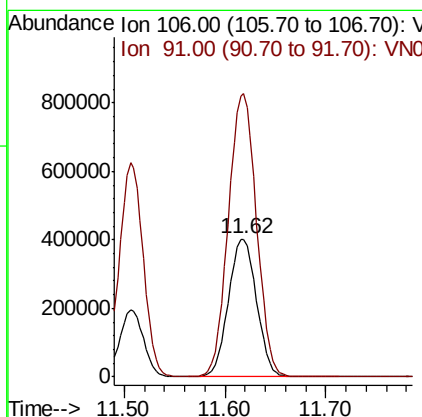
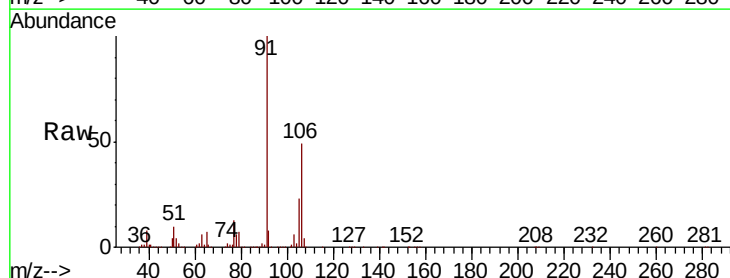
Manual Integrations
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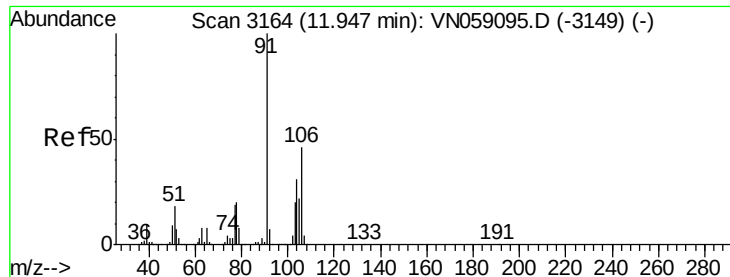
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#68
m/p-Xylenes
Concen: 110.099 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 106 Resp: 783672
Ion Ratio Lower Upper
106 100
91 205.0 164.7 247.1





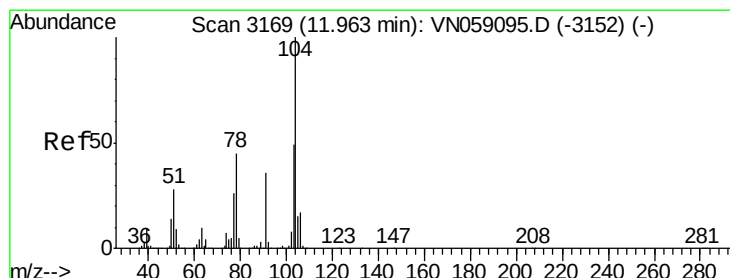
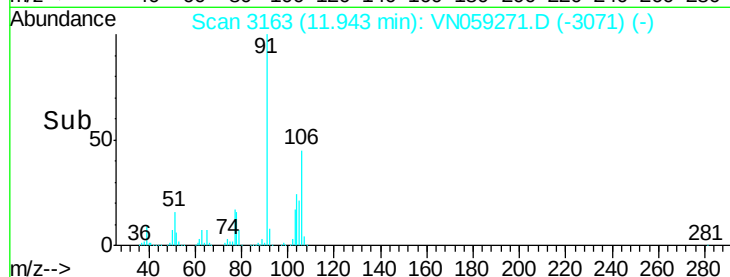
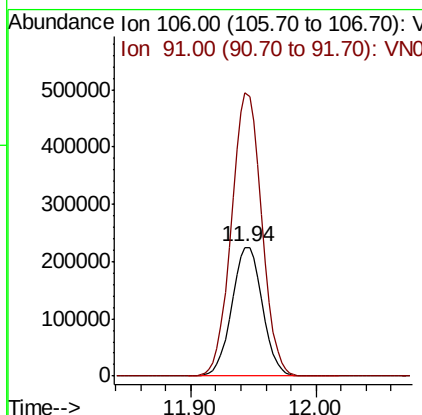
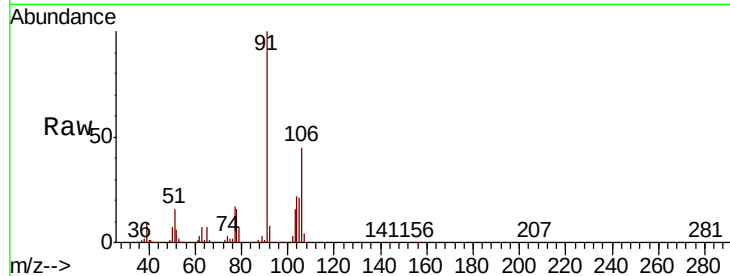
#69
o-Xylene
Concen: 55.297 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
380374	106	100		
	91	217.9	110.1	330.3

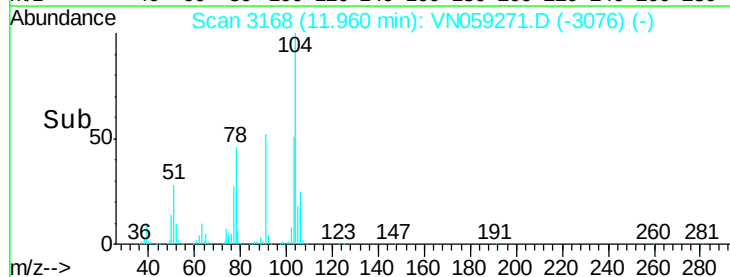
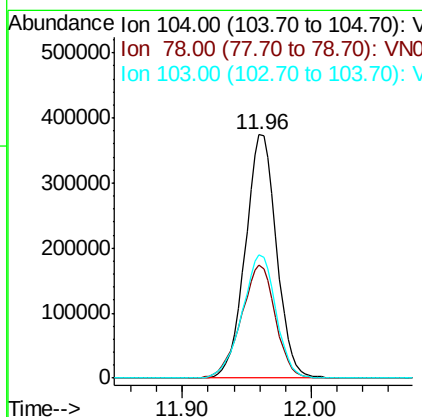
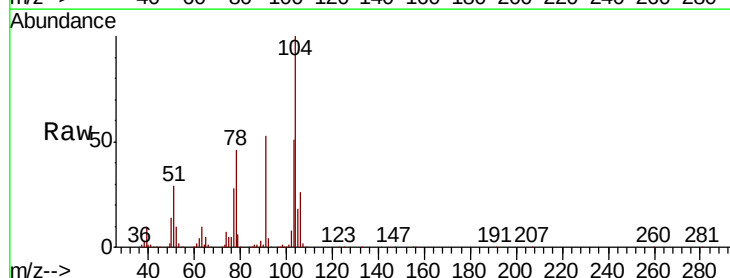
Manual Integrations
APPROVED

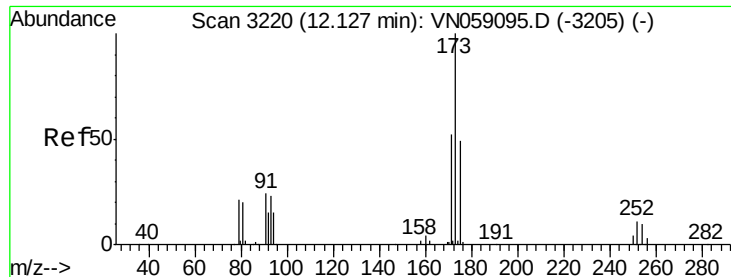
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#70
Styrene
Concen: 58.196 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ion	Ratio	Lower	Upper
629591	104	100		
	78	51.0	41.2	61.8
	103	55.1	43.8	65.6





#71

Bromoform

Concen: 56.967 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

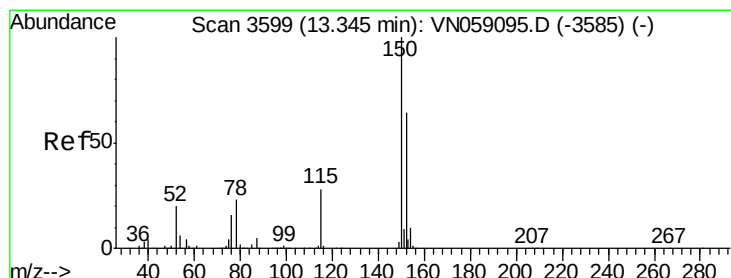
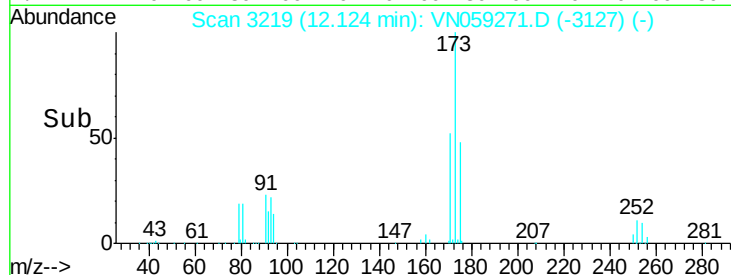
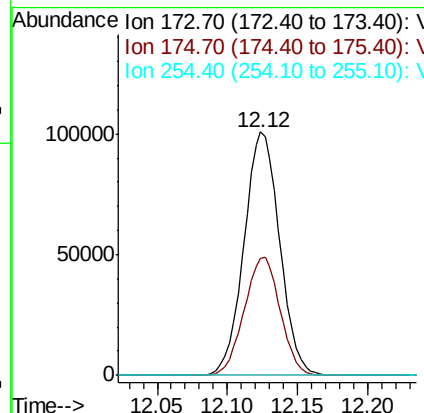
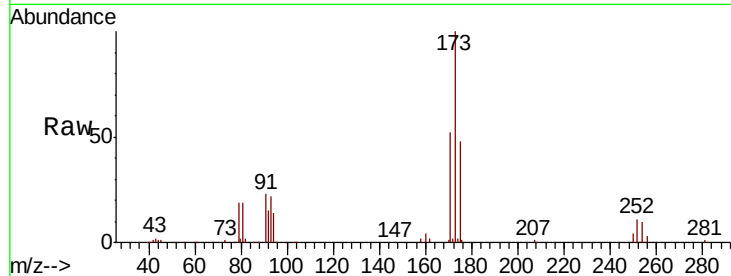
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	178023
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.2	72.6
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

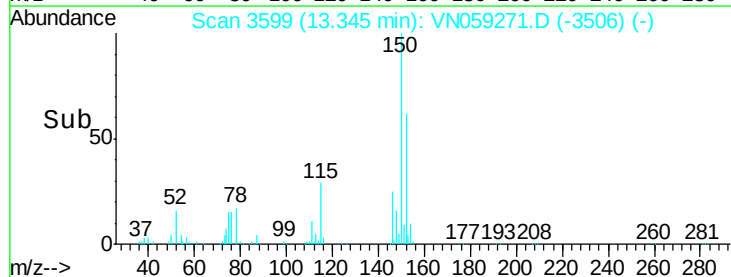
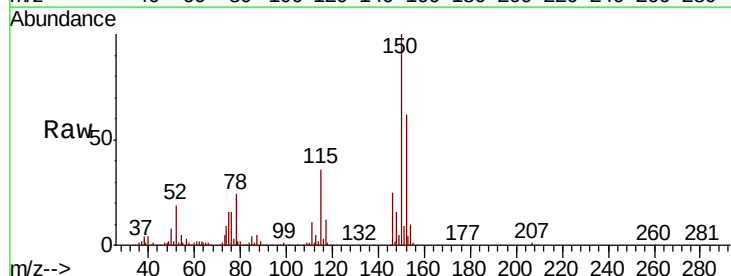
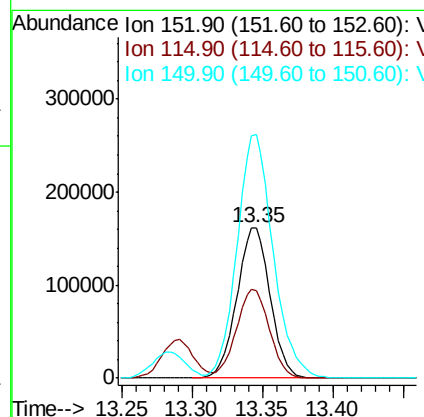
RT: 13.35 min Scan# 3599

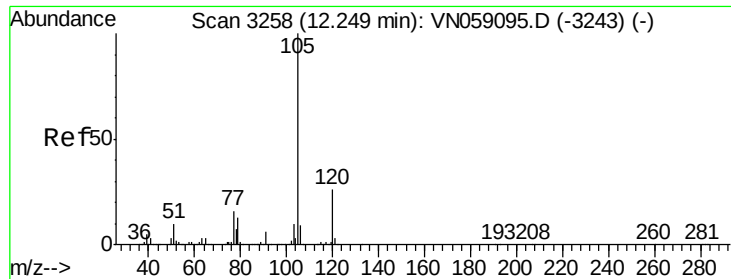
Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion:	152	Resp:	266324
Ion Ratio	Lower	Upper	
152	100		
115	58.5	29.4	88.2
150	176.1	0.0	345.8





#73

Isopropylbenzene

Concen: 52.839 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1023627

Ion Ratio Lower Upper

105 100

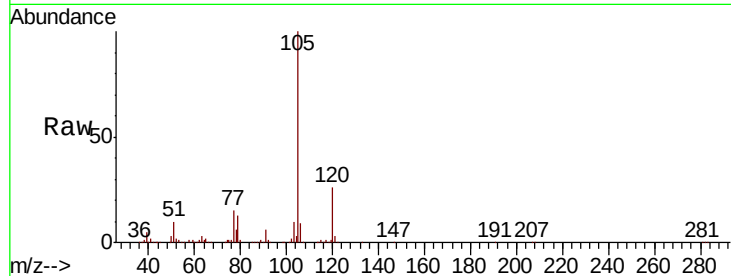
120 26.4 13.1 39.3

Manual Integrations

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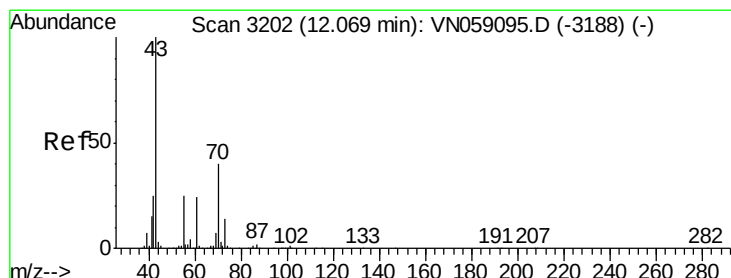
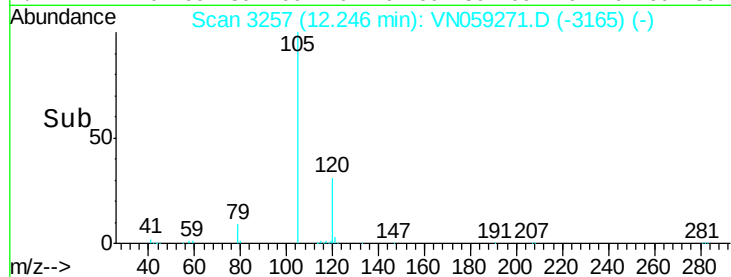
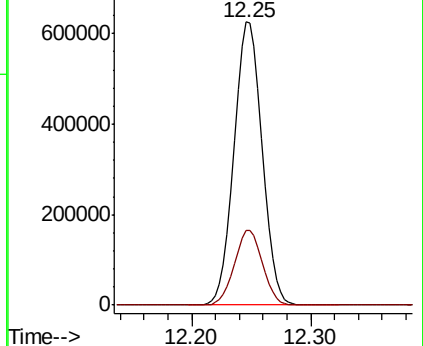
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.493 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion: 43 Resp: 455533

Ion Ratio Lower Upper

43 100

70 42.8 32.2 48.4

55 25.7 20.4 30.6

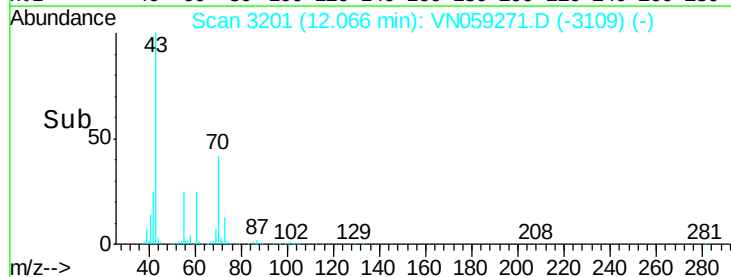
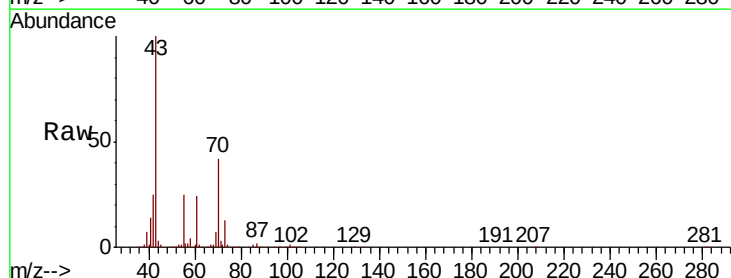
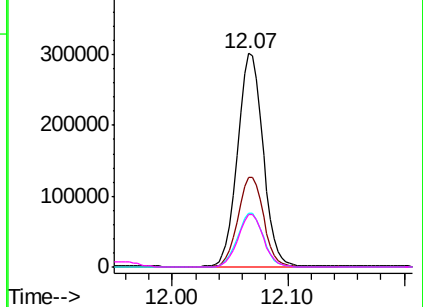
61 24.8 19.3 28.9

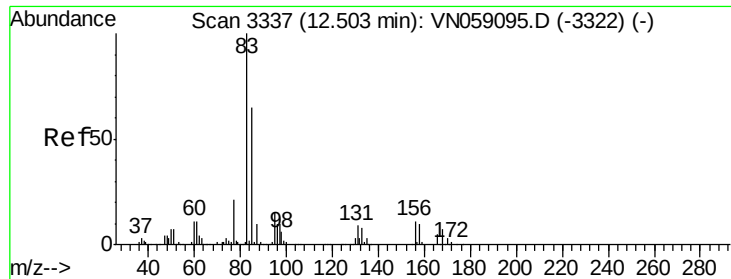
Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.332 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

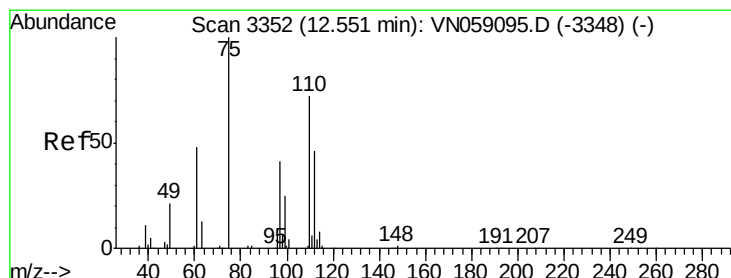
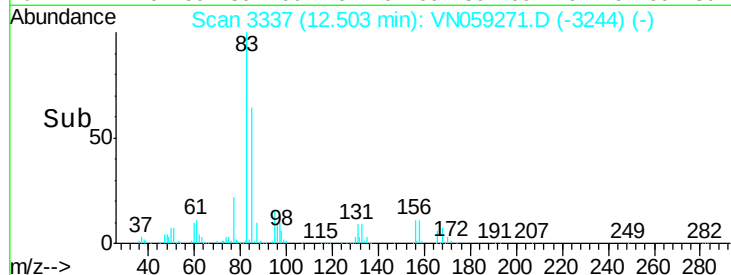
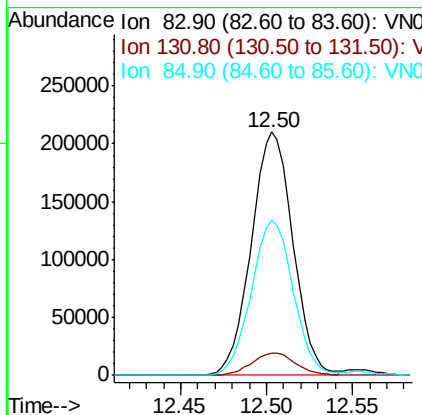
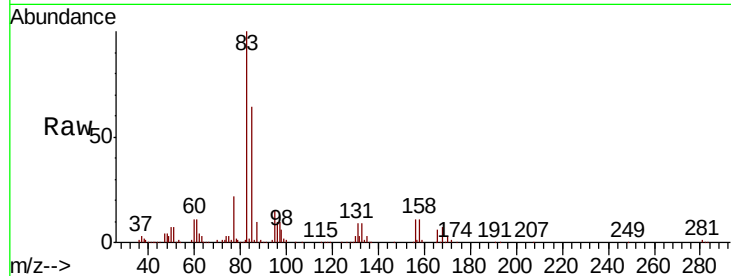
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	351842
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	64.1	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.924 ug/l m

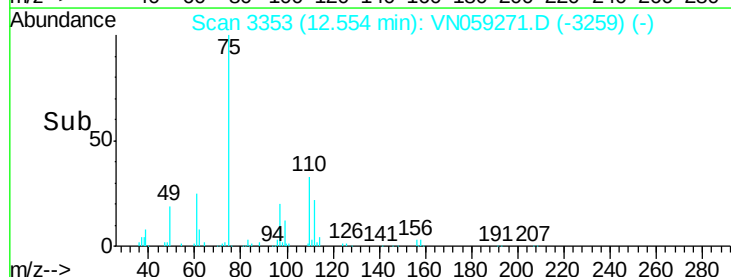
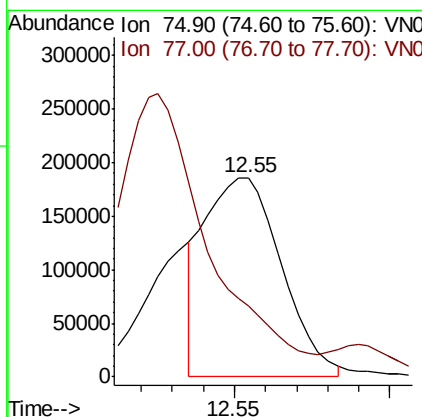
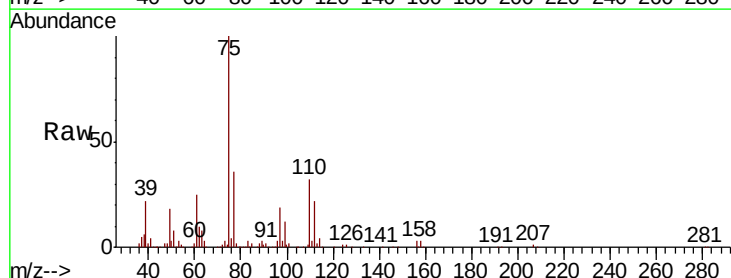
RT: 12.55 min Scan# 3353

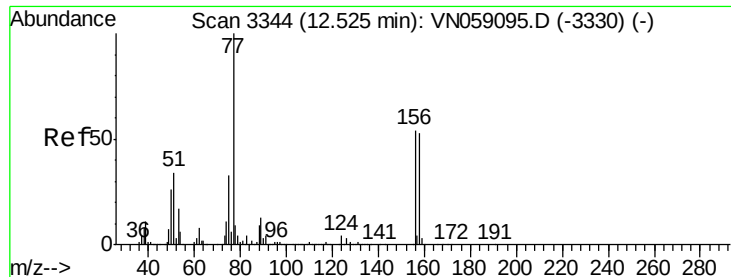
Delta R.T. 0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion:	75	Resp:	320893
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.665 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

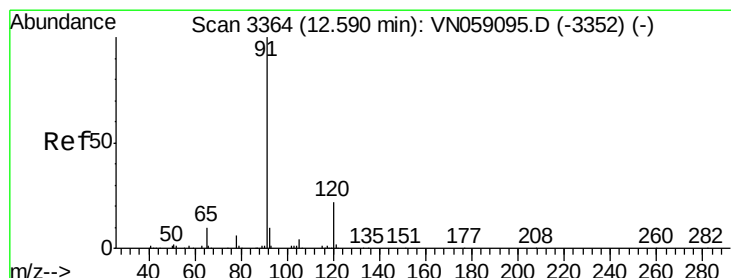
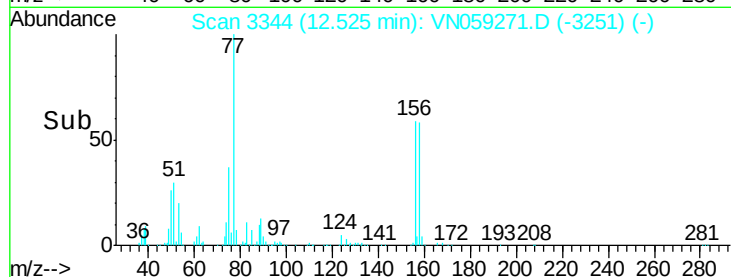
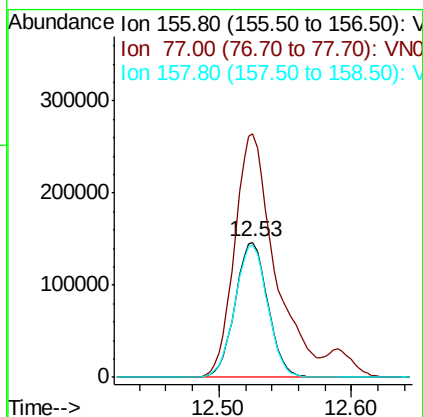
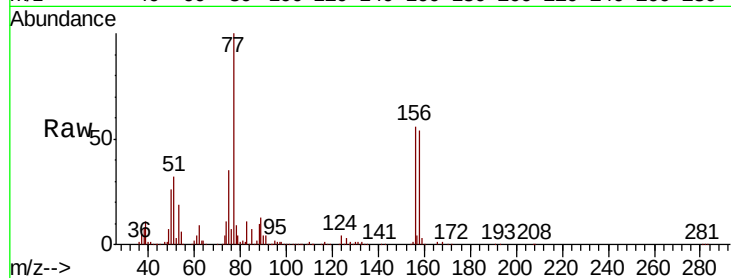
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	251461
Ion Ratio	Lower	Upper	
156	100		
77	220.9	112.8	338.3
158	97.9	48.4	145.3

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#78

n-propylbenzene

Concen: 54.188 ug/l

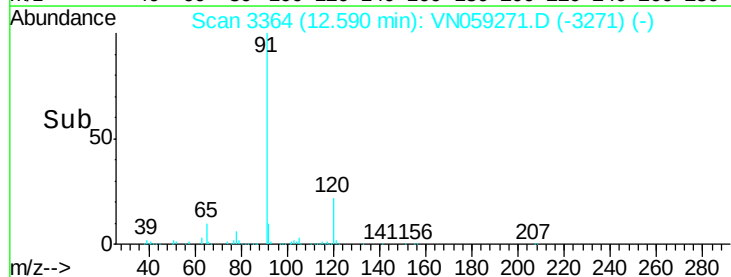
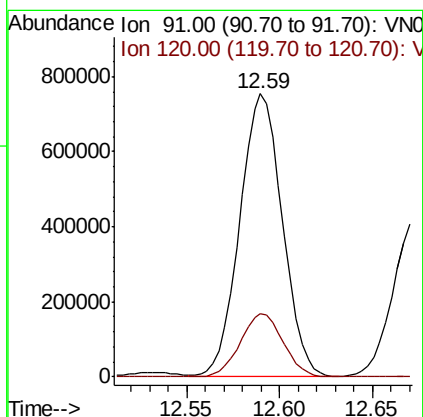
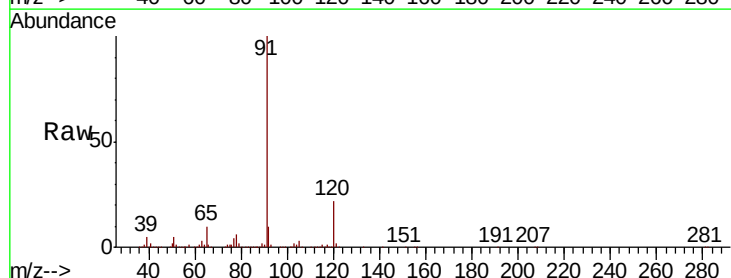
RT: 12.59 min Scan# 3364

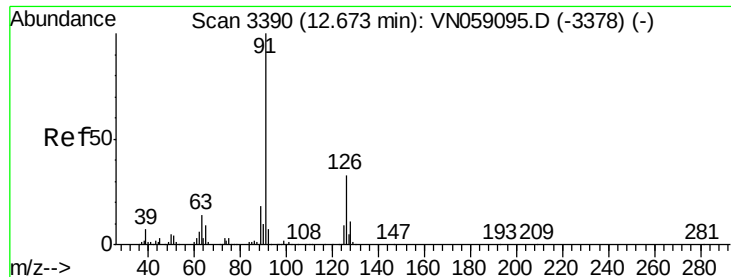
Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion:	91	Resp:	1201967
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





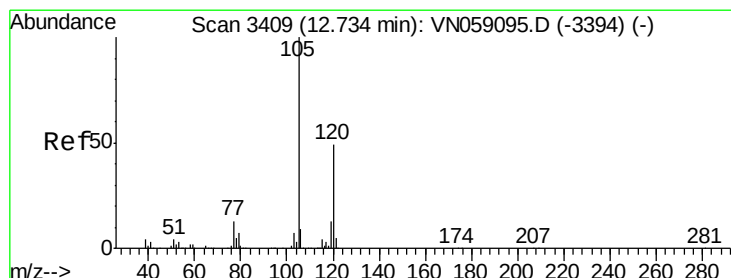
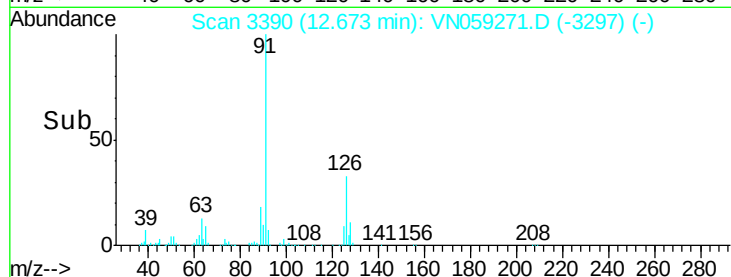
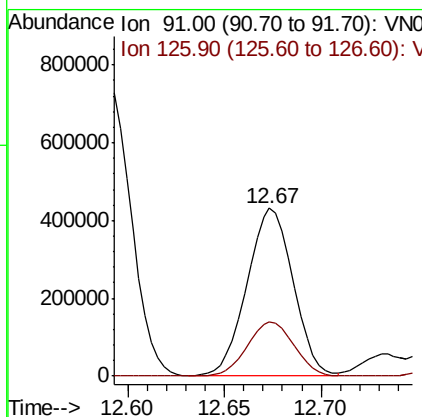
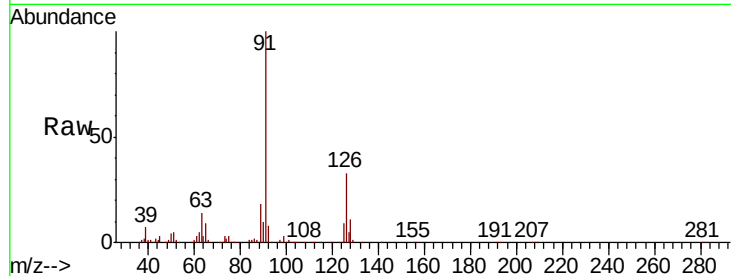
#79
2-Chlorotoluene
Concen: 52.117 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 717147
Ion Ratio Lower Upper
91 100
126 32.8 16.7 50.1

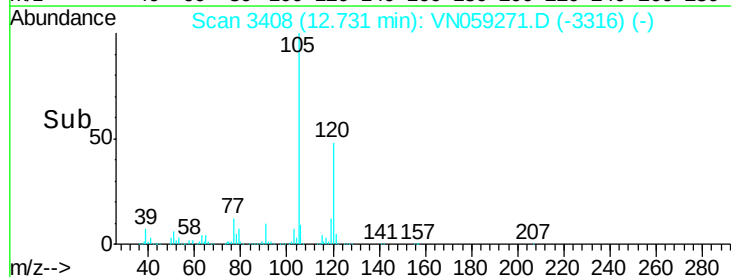
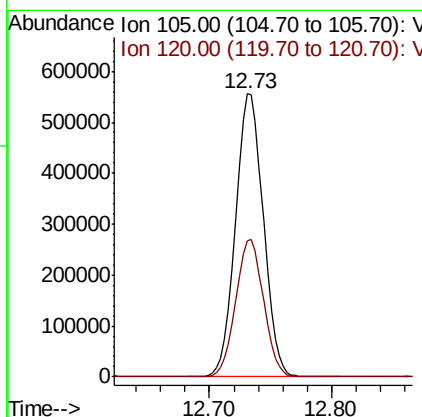
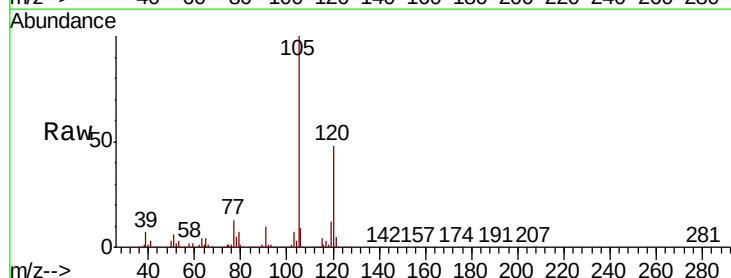
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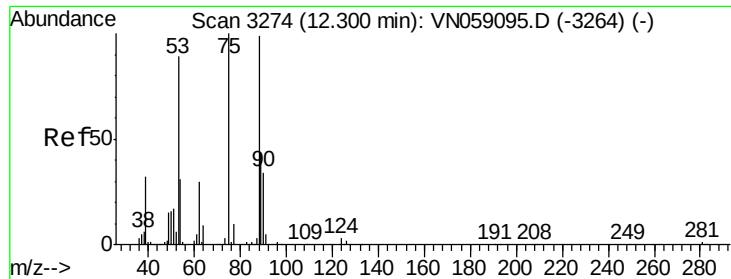
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 53.286 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion: 105 Resp: 874710
Ion Ratio Lower Upper
105 100
120 48.6 24.0 72.0





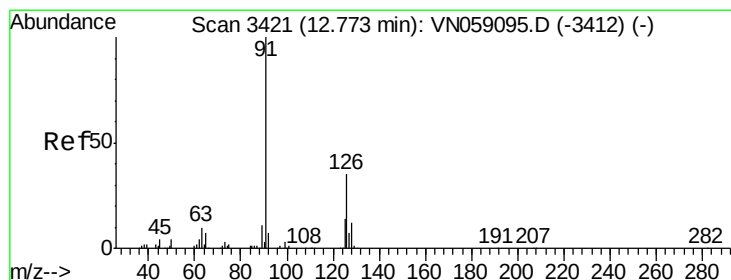
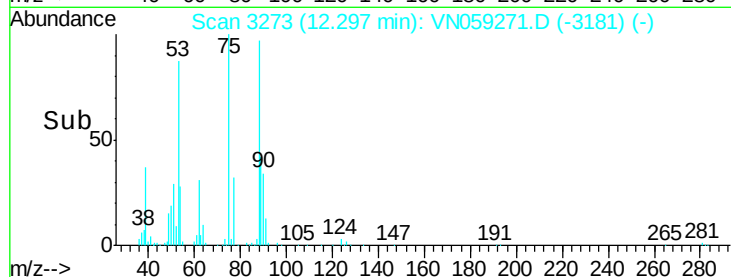
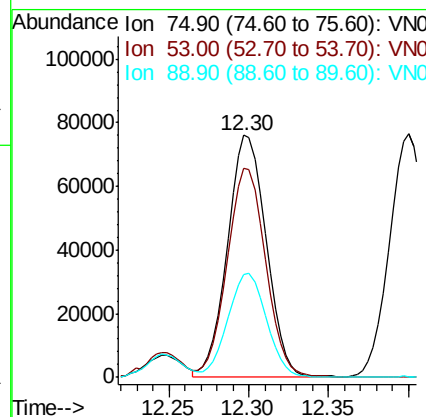
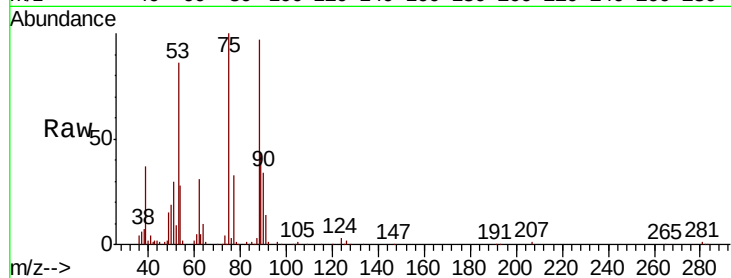
#81
trans-1,4-Dichloro-2-butene
Concen: 54.537 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.7	72.2	108.2
89	43.3	35.8	53.8

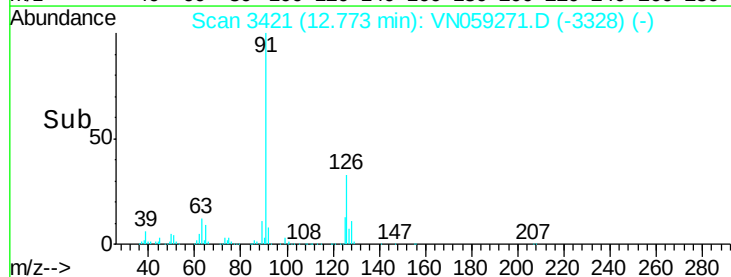
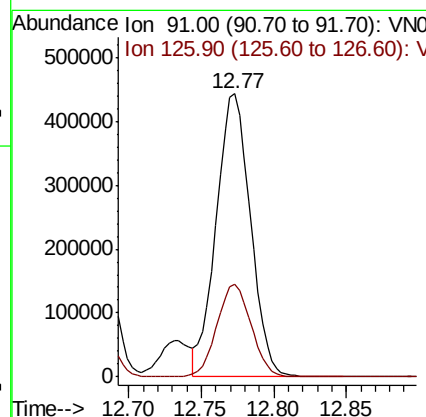
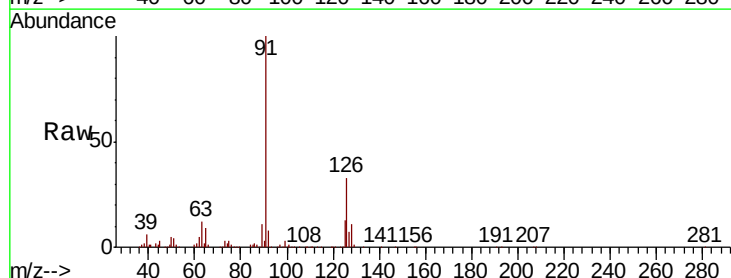
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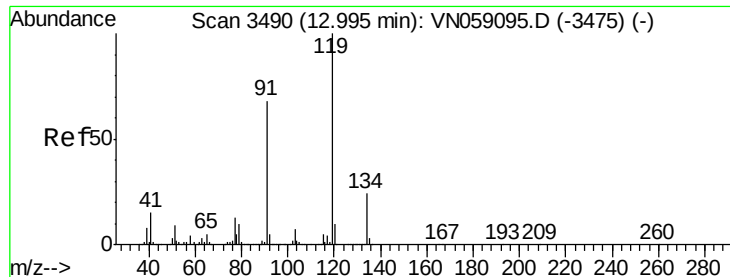
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.590 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.2





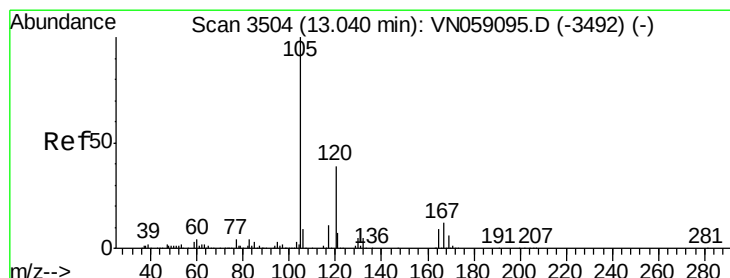
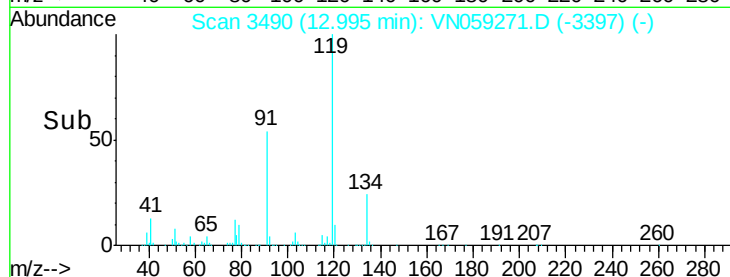
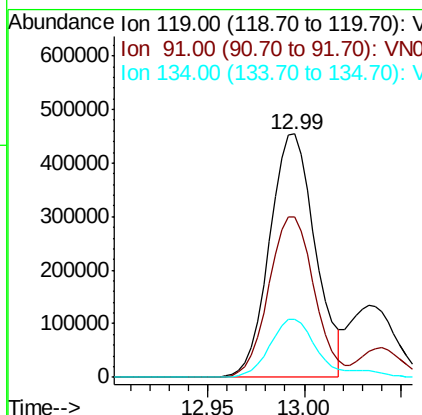
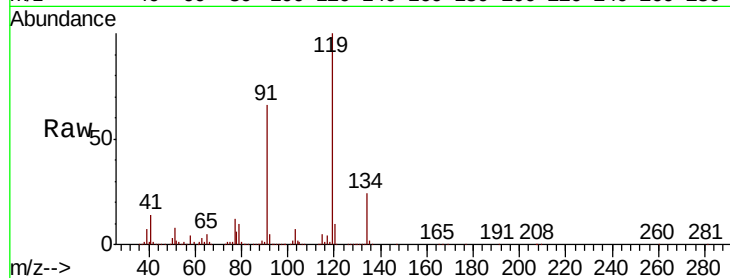
#83
 tert-Butylbenzene
 Concen: 52.552 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	33.2	99.6
134	24.0	12.7	38.1

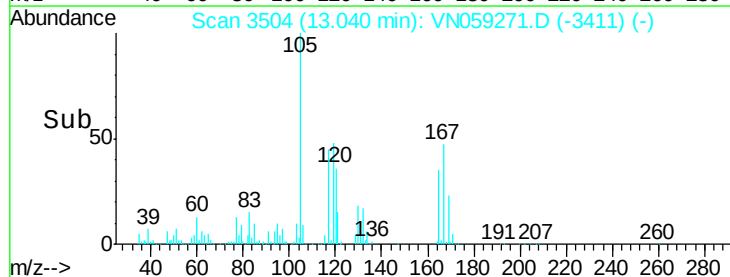
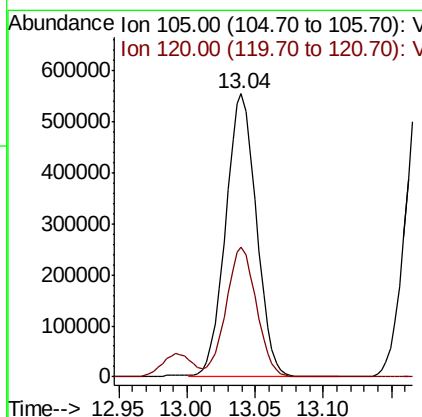
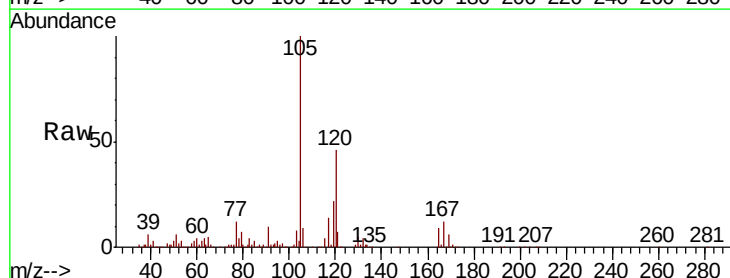
Manual Integrations
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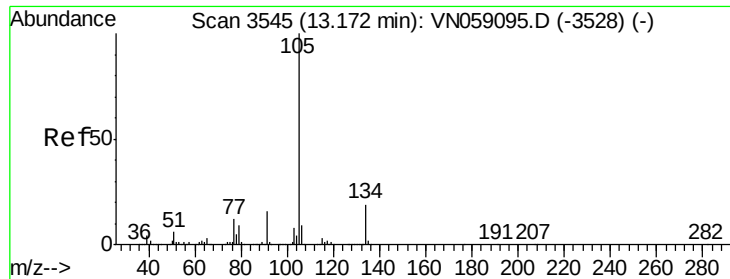
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.642 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 54.535 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1005428

Ion Ratio Lower Upper

105 100

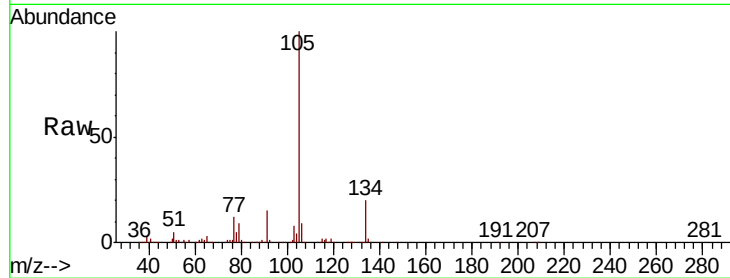
134 19.9 9.7 29.1

Manual Integrations

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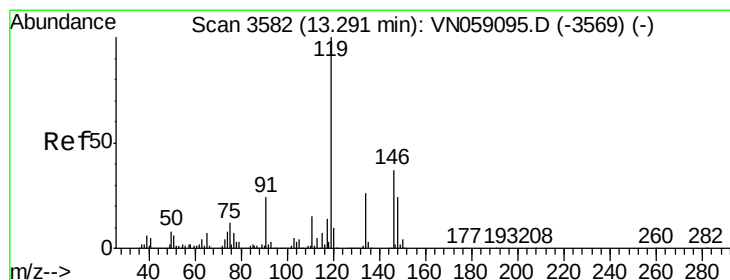
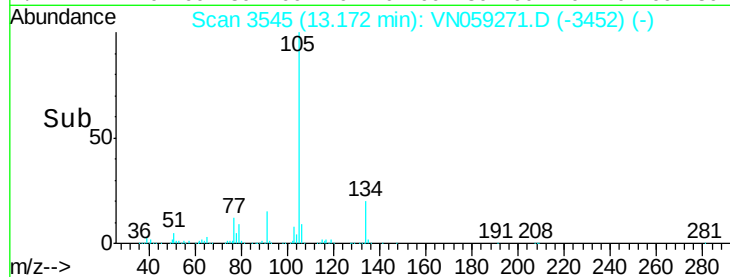
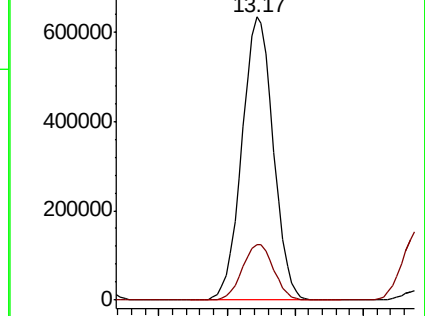
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.820 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

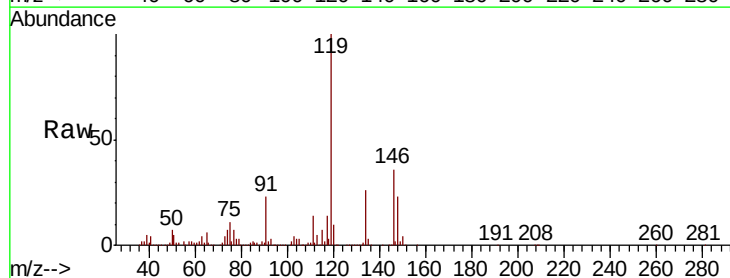
Tgt Ion:119 Resp: 908690

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

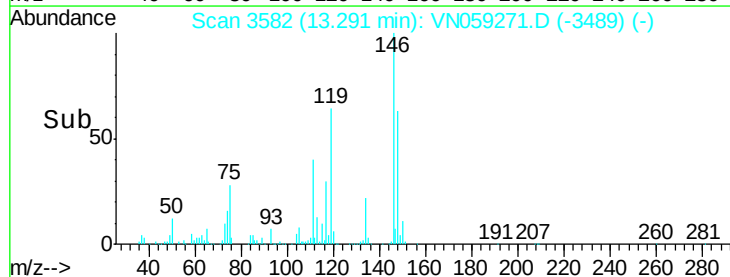
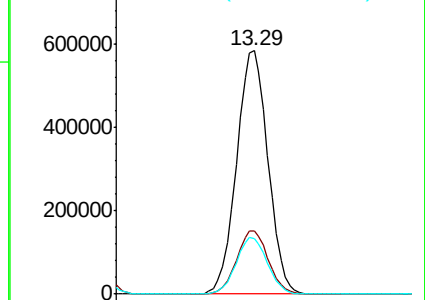
91 23.0 11.7 35.1

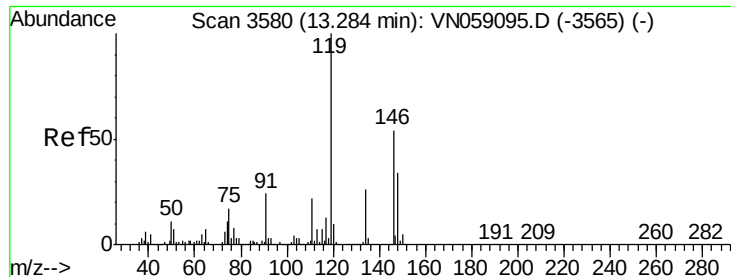


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.642 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059271.D

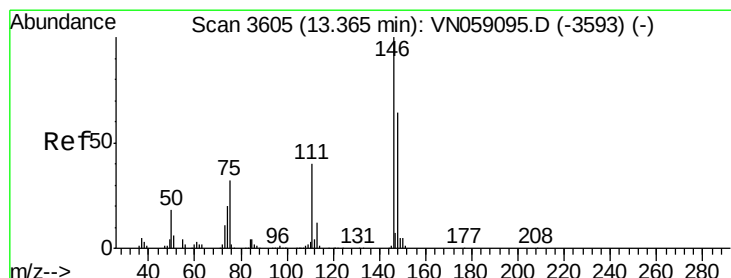
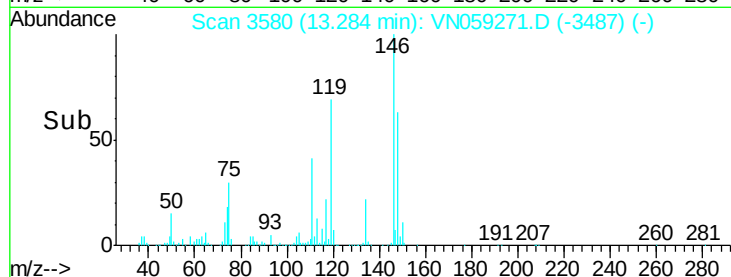
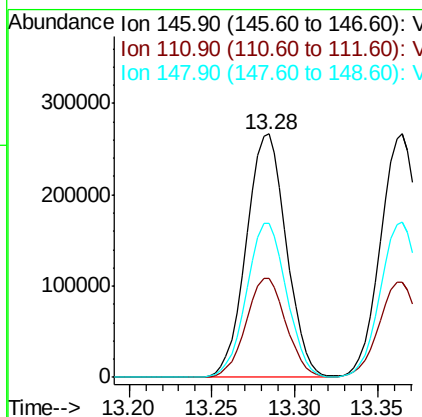
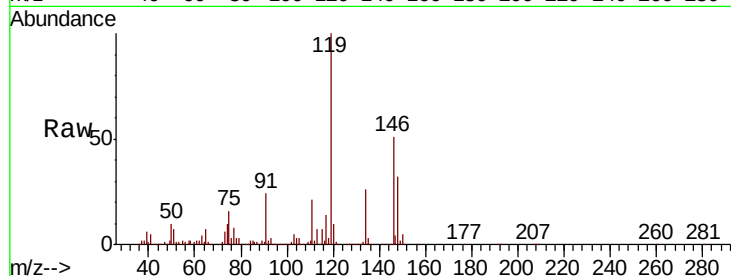
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	63.5	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.875 ug/l

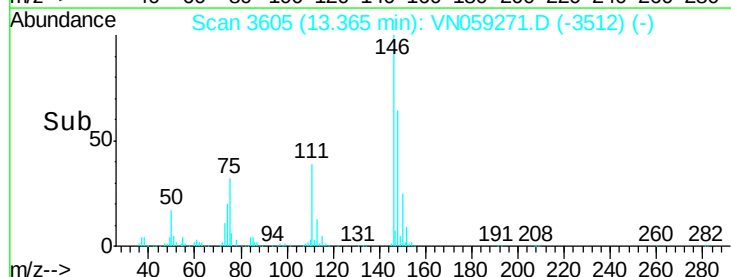
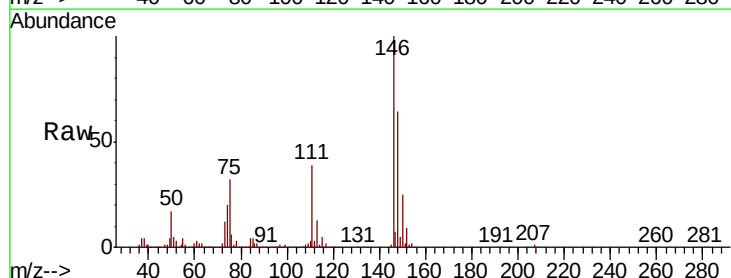
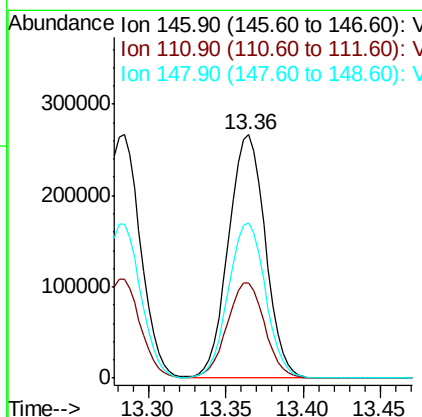
RT: 13.36 min Scan# 3605

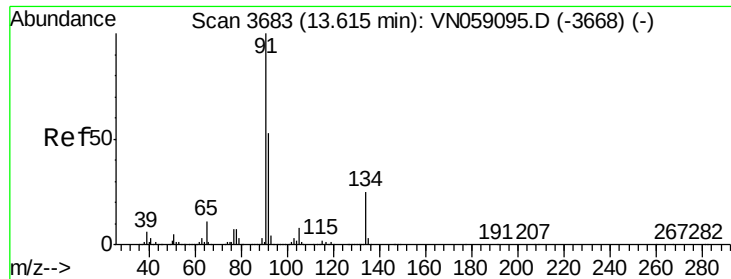
Delta R.T. -0.00 min

Lab File: VN059271.D

Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.9
148	64.3	31.9	95.7





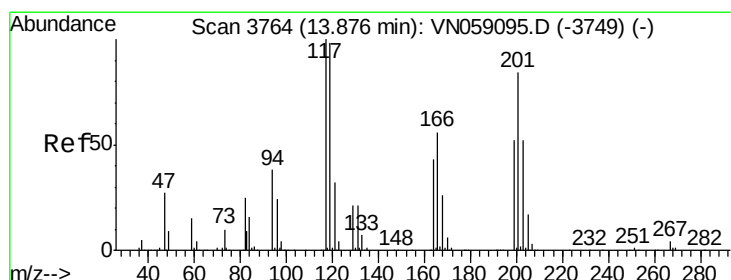
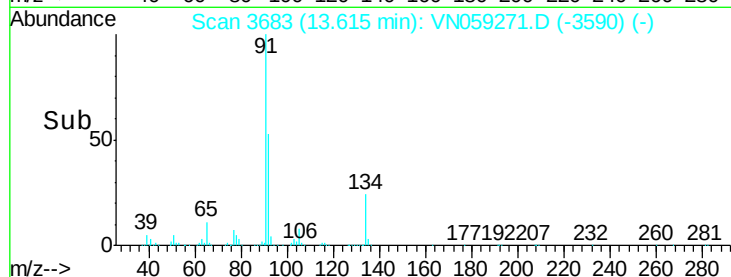
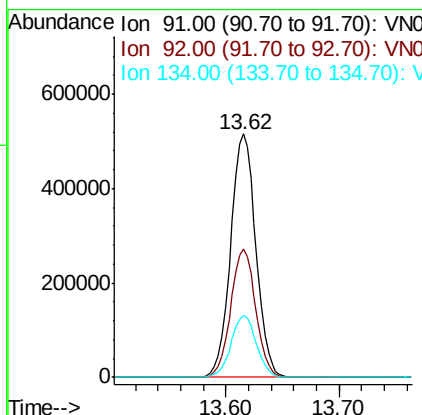
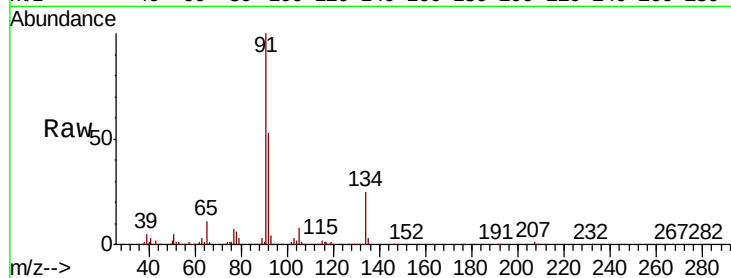
#89
n-Butylbenzene
Concen: 55.942 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.3
134	25.5	12.6	37.8

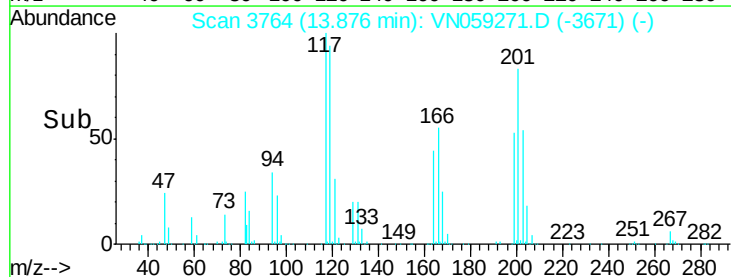
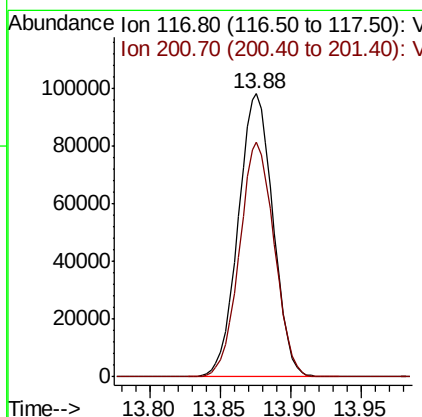
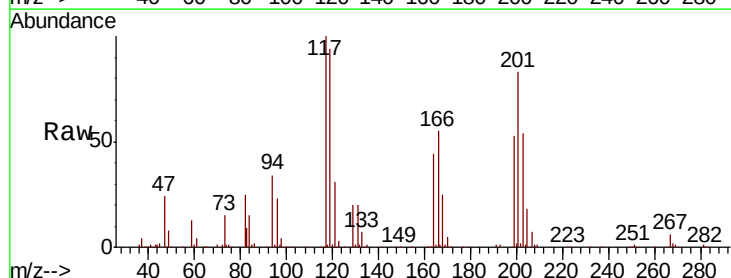
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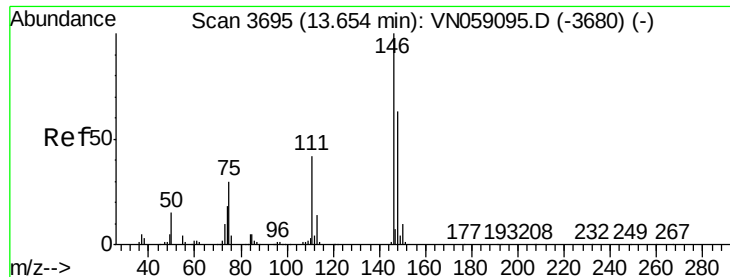
MMDadoda
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#90
Hexachloroethane
Concen: 52.040 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	41.8	125.3





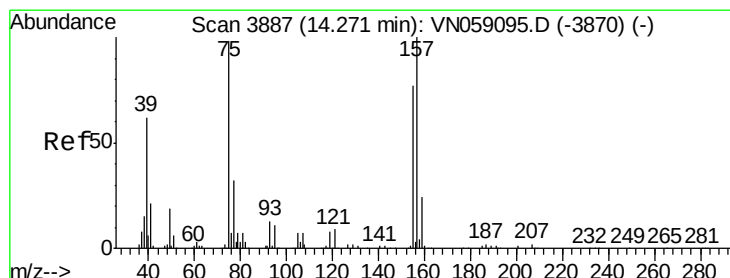
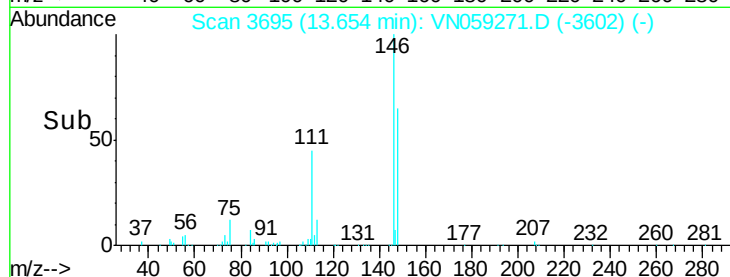
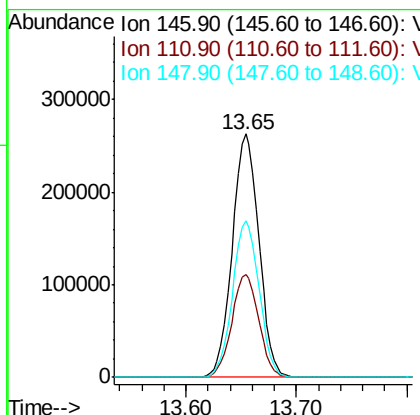
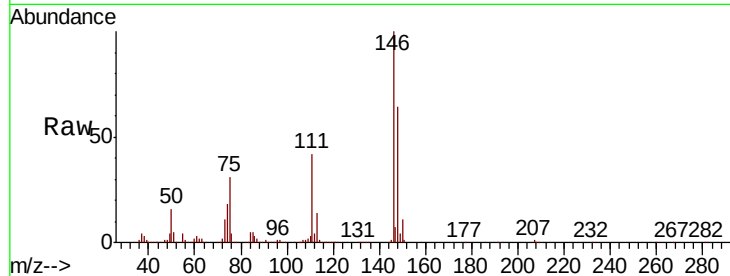
#91
 1,2-Dichlorobenzene
 Concen: 53.717 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	64.3	31.6	94.7

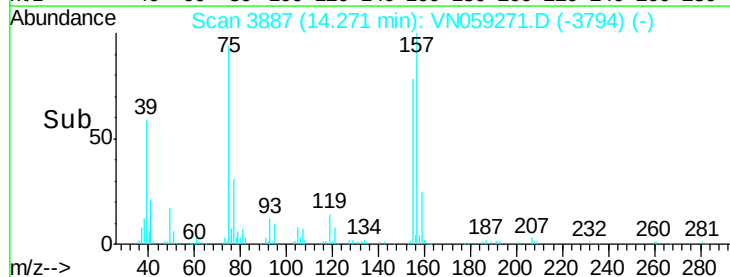
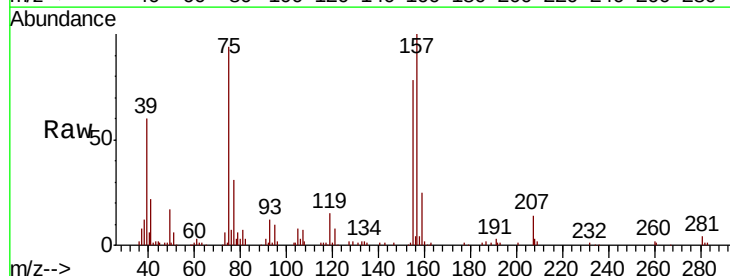
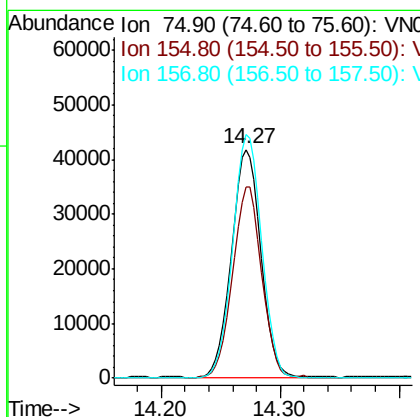
Manual Integrations
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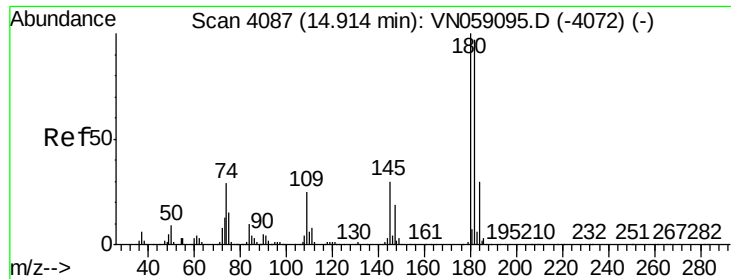
MMDadoda
 11/18/2019 3:09:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.117 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059271.D
 Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	40.2	120.6
157	105.4	51.8	155.5





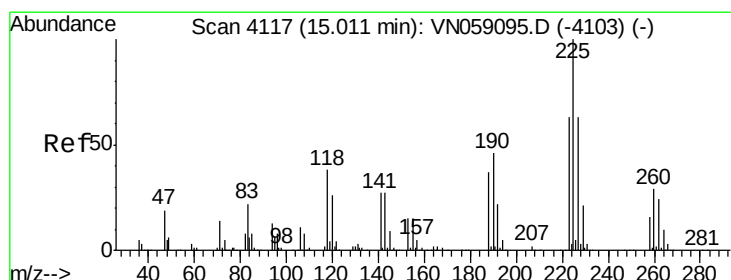
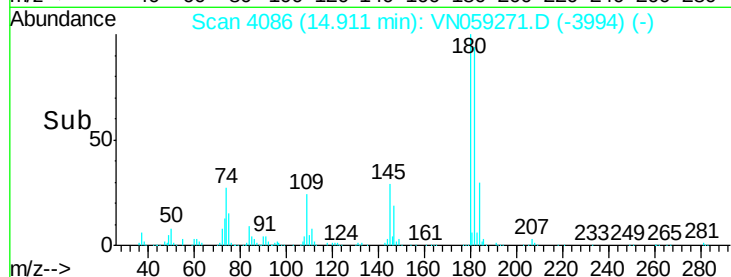
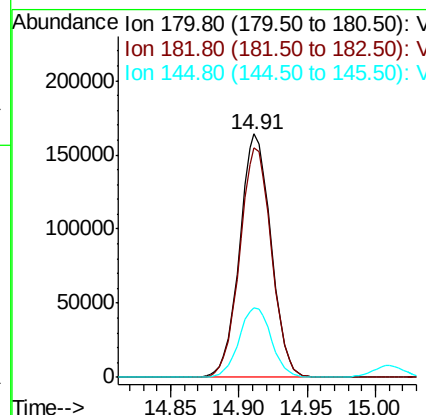
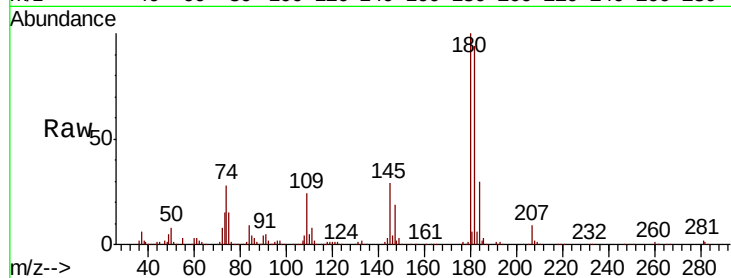
#93
1,2,4-Trichlorobenzene
Concen: 52.456 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	261728		
182	95.4	48.1	144.3	
145	29.6	15.1	45.3	

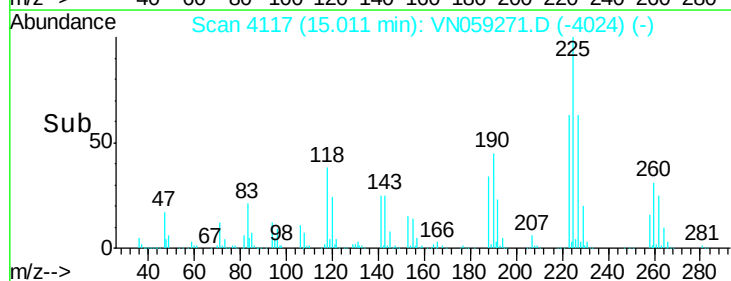
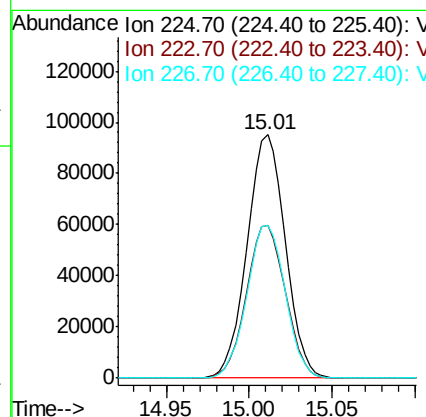
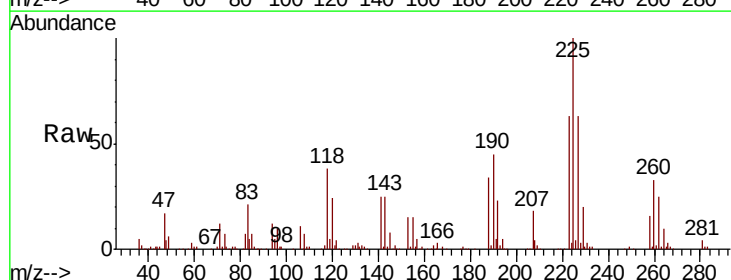
Manual Integrations
APPROVED

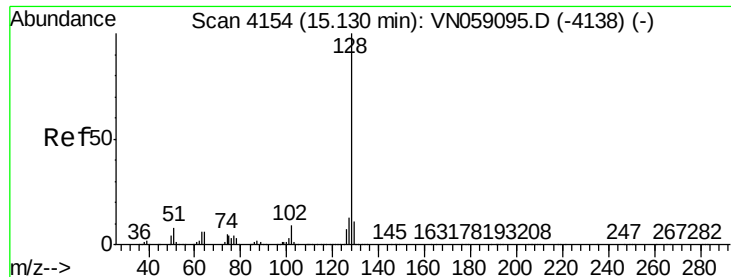
MMDadoda
11/18/2019 3:09:37 PM



#94
Hexachlorobutadiene
Concen: 54.156 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153097		
223	64.0	31.3	93.9	
227	63.2	31.5	94.5	





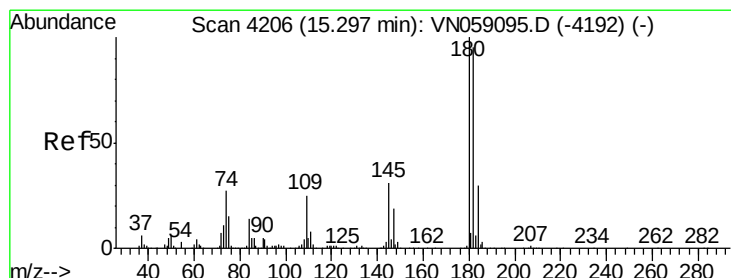
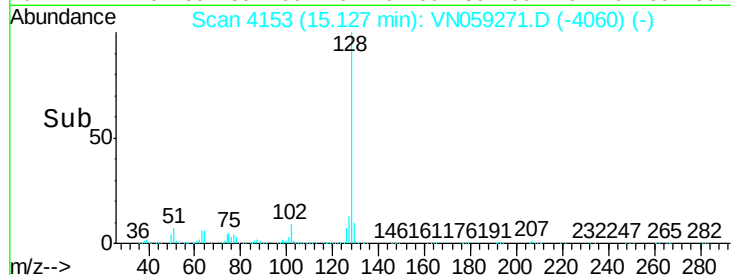
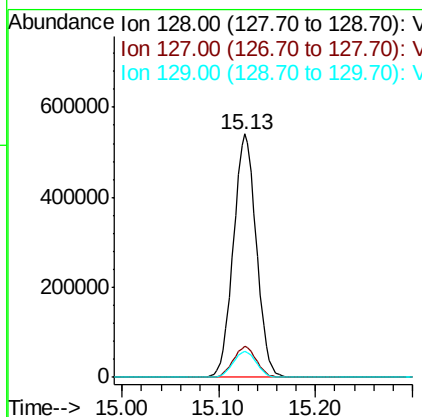
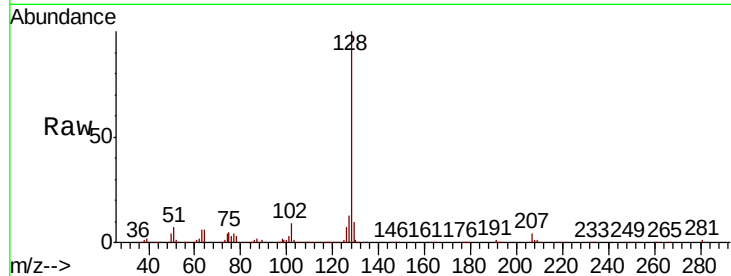
#95
Naphthalene
Concen: 63.545 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:09:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.057 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN059271.D
Acq: 15 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	31.7	15.8	47.3

