

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\
 Data File : VN059707.D
 Acq On : 14 Jan 2020 16:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 10:55:20 AM

Quant Time: Jan 14 23:09:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	296124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	270468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133785	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	102498	47.94	ug/l	0.00
Spiked Amount						
			Recovery	=	95.88%	
35) Dibromofluoromethane	7.56	113	89274	50.55	ug/l	0.00
Spiked Amount						
			Recovery	=	101.10%	
50) Toluene-d8	10.08	98	339223	49.58	ug/l	0.00
Spiked Amount						
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	123186	49.94	ug/l	0.00
Spiked Amount						
			Recovery	=	99.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	114461	50.432	ug/l	97
3) Chloromethane	2.04	50	107931	48.968	ug/l	97
4) Vinyl Chloride	2.17	62	130957	51.928	ug/l	98
5) Bromomethane	2.54	94	80412	52.248	ug/l	99
6) Chloroethane	2.68	64	60409	50.631	ug/l	98
7) Trichlorofluoromethane	3.00	101	155542	51.357	ug/l	98
8) Diethyl Ether	3.38	74	53752	50.572	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88971	52.782	ug/l	92
10) Methyl Iodide	3.93	142	136006	49.917	ug/l	94
11) Tert butyl alcohol	4.72	59	77404	215.059	ug/l	100
12) 1,1-Dichloroethene	3.71	96	87954	49.935	ug/l	89
13) Acrolein	3.57	56	49660	194.913	ug/l	96
14) Allyl chloride	4.29	41	119687	50.413	ug/l #	86
15) Acrylonitrile	4.94	53	193798	236.049	ug/l	100
16) Acetone	3.78	43	167559	228.938	ug/l	95
17) Carbon Disulfide	4.03	76	247064	49.240	ug/l	99
18) Methyl Acetate	4.28	43	115102	46.090	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	286595	49.905	ug/l	95
20) Methylene Chloride	4.52	84	95775	49.501	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	93504	49.941	ug/l	87
22) Diisopropyl ether	5.91	45	267828	49.780	ug/l #	96
23) Vinyl Acetate	5.85	43	1055211	253.318	ug/l #	95
24) 1,1-Dichloroethane	5.81	63	164300	49.978	ug/l	97
25) 2-Butanone	6.79	43	258488	213.497	ug/l	91
26) 2,2-Dichloropropane	6.79	77	154830	48.990	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	108519	50.392	ug/l	89
28) Bromochloromethane	7.16	49	62554	47.608	ug/l #	73
29) Tetrahydrofuran	7.17	42	167451	223.535	ug/l	89
30) Chloroform	7.34	83	173721	51.002	ug/l	100
31) Cyclohexane	7.63	56	149730	47.333	ug/l	88
32) 1,1,1-Trichloroethane	7.54	97	158780	50.416	ug/l	95
36) 1,1-Dichloropropene	7.77	75	130620	50.652	ug/l	95
37) Ethyl Acetate	6.89	43	111463	46.085	ug/l	97
38) Carbon Tetrachloride	7.75	117	144485	51.507	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	162277	51.036	ug/l	92
40) Benzene	8.02	78	385681	50.149	ug/l	100
41) Methacrylonitrile	7.15	41	52566m	44.124	ug/l	
42) 1,2-Dichloroethane	8.10	62	130462	50.032	ug/l	96
43) Isopropyl Acetate	8.14	43	193760	46.575	ug/l #	94
44) Trichloroethene	8.81	130	110512	52.637	ug/l	93
45) 1,2-Dichloropropane	9.10	63	97969	51.479	ug/l	99
46) Dibromomethane	9.19	93	68881	51.310	ug/l	90
47) Bromodichloromethane	9.38	83	140324	51.871	ug/l	99
48) Methyl methacrylate	9.18	41	88413	47.513	ug/l	90
49) 1,4-Dioxane	9.18	88	32604	957.106	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	546269	227.151	ug/l	95
52) Toluene	10.14	92	249250	51.309	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	156951	51.959	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	168384	52.979	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	95754	49.768	ug/l	97
56) Ethyl methacrylate	10.42	69	147152	50.054	ug/l	91
57) 1,3-Dichloropropane	10.70	76	158351	51.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	249714	282.004	ug/l	92
59) 2-Hexanone	10.74	43	399807	225.666	ug/l	94
60) Dibromochloromethane	10.89	129	113646	51.870	ug/l	99
61) 1,2-Dibromoethane	10.99	107	103536	51.343	ug/l	99
64) Tetrachloroethene	10.62	164	96573	43.810	ug/l	95
65) Chlorobenzene	11.43	112	273588	51.463	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	105208	51.217	ug/l	99
67) Ethyl Benzene	11.50	91	490538	50.830	ug/l	97
68) m/p-Xylenes	11.61	106	376359	103.242	ug/l	94
69) o-Xylene	11.94	106	181096	50.743	ug/l	94
70) Styrene	11.96	104	308360	51.635	ug/l	97
71) Bromoform	12.12	173	85748	52.114	ug/l #	99
73) Isopropylbenzene	12.25	105	489238	49.863	ug/l	99
74) N-amyl acetate	12.06	43	176893	46.462	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	135415	47.607	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	128708m	57.166	ug/l	
77) Bromobenzene	12.52	156	124214	49.991	ug/l	81
78) n-propylbenzene	12.59	91	558618	50.725	ug/l	97
79) 2-Chlorotoluene	12.67	91	322696	49.256	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	412815	50.028	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	49658	47.365	ug/l	92
82) 4-Chlorotoluene	12.77	91	333468	50.747	ug/l	96
83) tert-Butylbenzene	12.99	119	355852	49.862	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	413045	50.597	ug/l	99
85) sec-Butylbenzene	13.17	105	478973	51.082	ug/l	99
86) p-Isopropyltoluene	13.28	119	439606	50.669	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	223421	51.765	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	219722	51.030	ug/l	97
89) n-Butylbenzene	13.61	91	386937	52.306	ug/l	98
90) Hexachloroethane	13.87	117	81726	50.346	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	216370	50.709	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28241	46.094	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137074	53.463	ug/l	99
94) Hexachlorobutadiene	15.01	225	71157	50.363	ug/l	99
95) Naphthalene	15.13	128	363353	49.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128312	51.415	ug/l	100

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

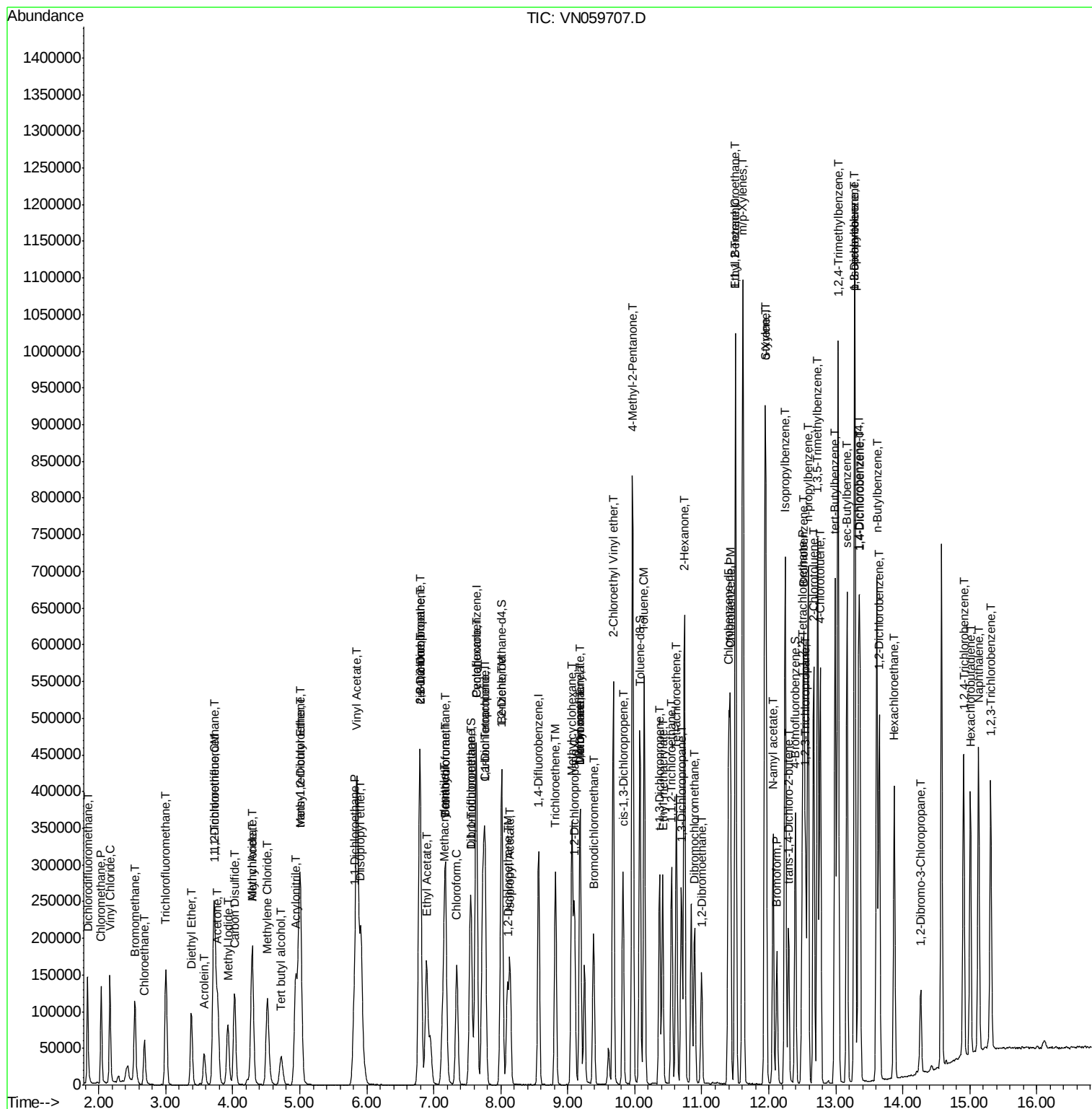
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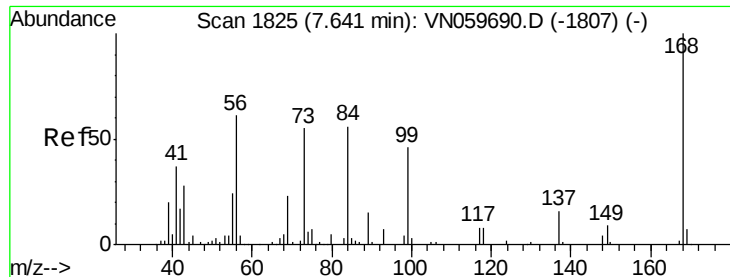
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 192521

Ion Ratio Lower Upper

168 100

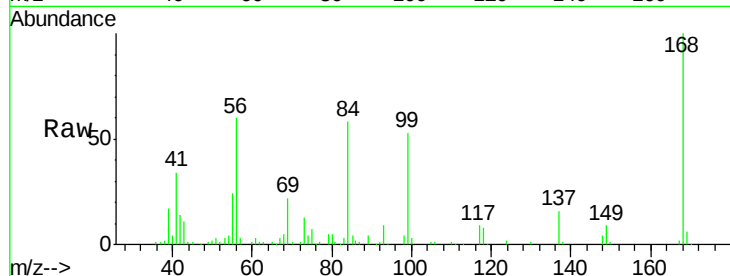
99 52.6 48.2 72.4

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

80000

60000

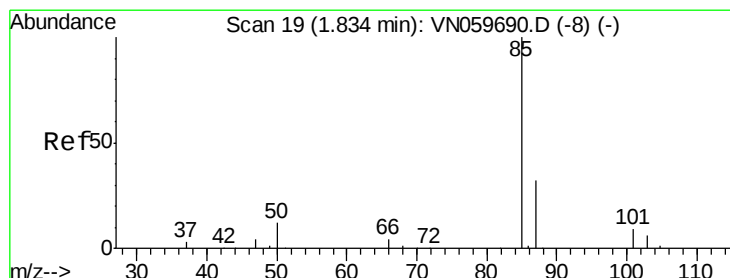
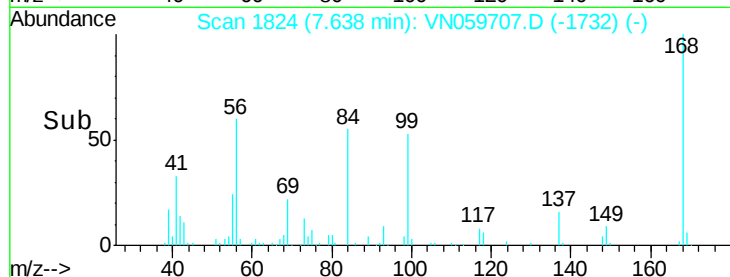
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.432 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059707.D

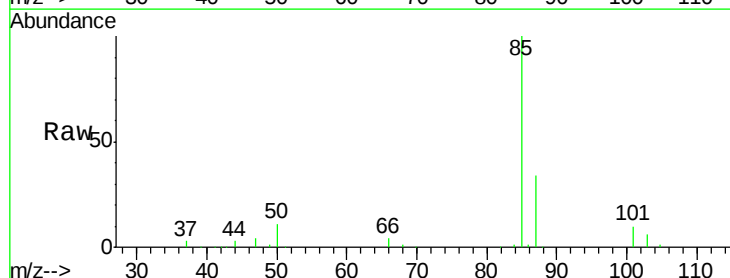
Acq: 14 Jan 2020 16:15

Tgt Ion: 85 Resp: 114461

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

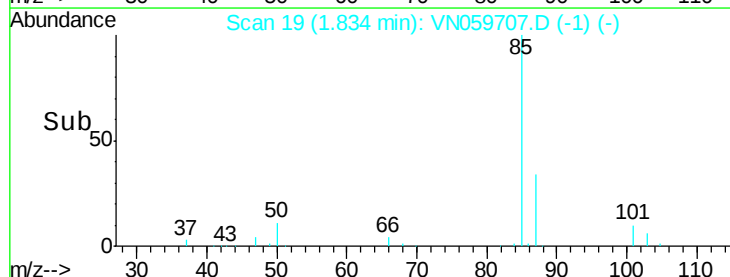
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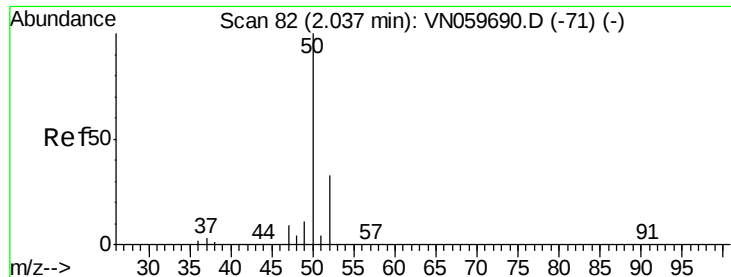
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1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.968 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 107931

Ion Ratio Lower Upper

50 100

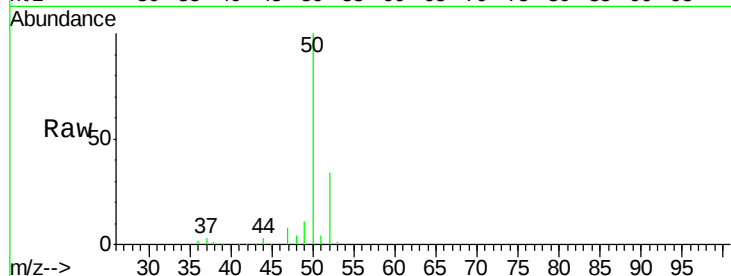
52 33.9 25.9 38.9

Manual Integrations

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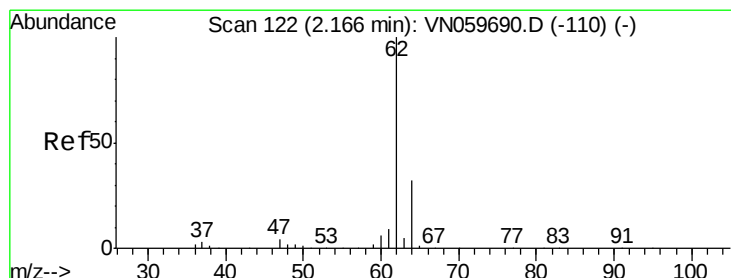
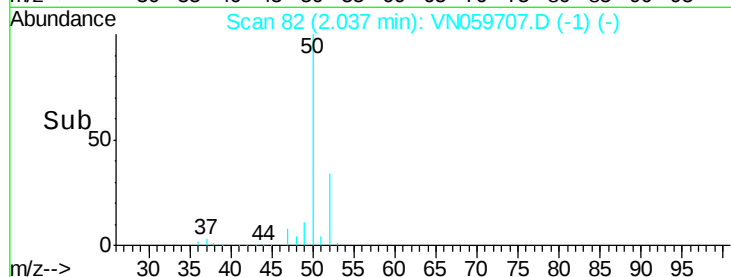
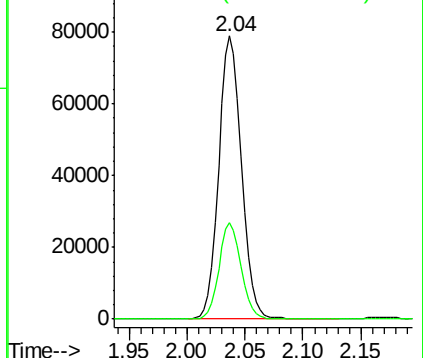
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 51.928 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059707.D

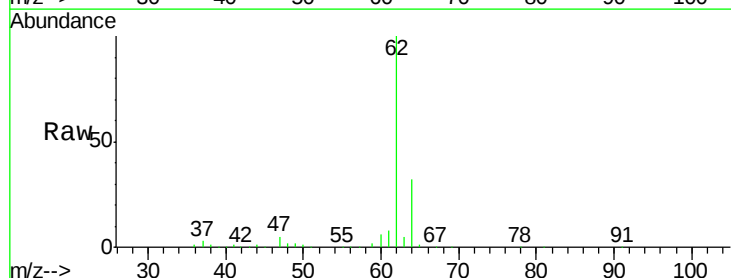
Acq: 14 Jan 2020 16:15

Tgt Ion: 62 Resp: 130957

Ion Ratio Lower Upper

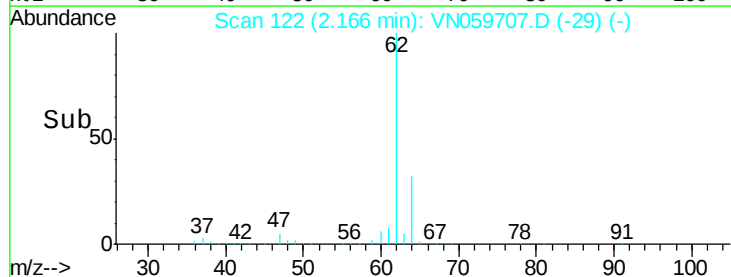
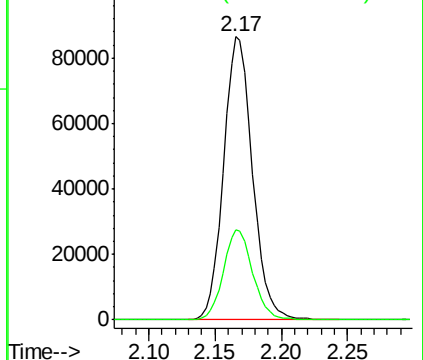
62 100

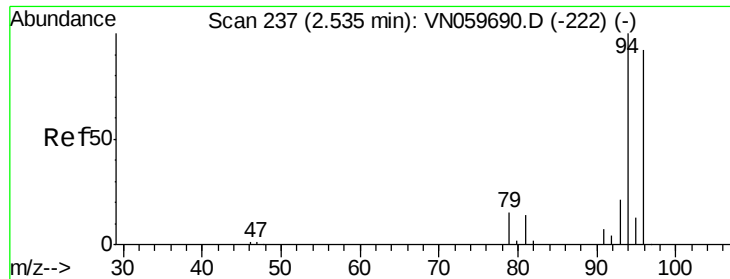
64 32.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





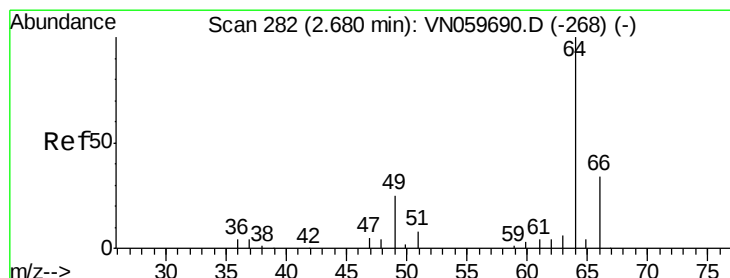
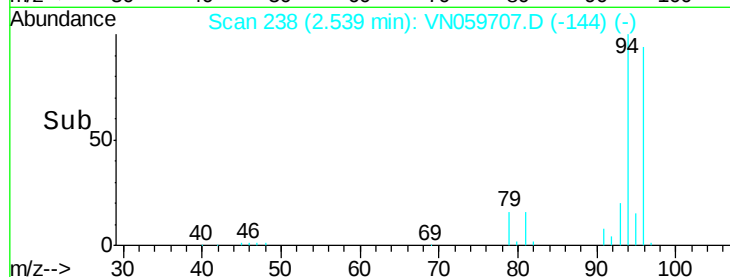
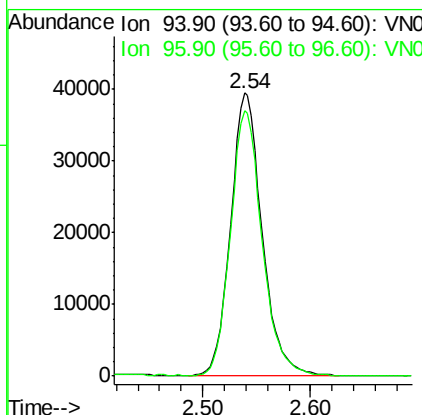
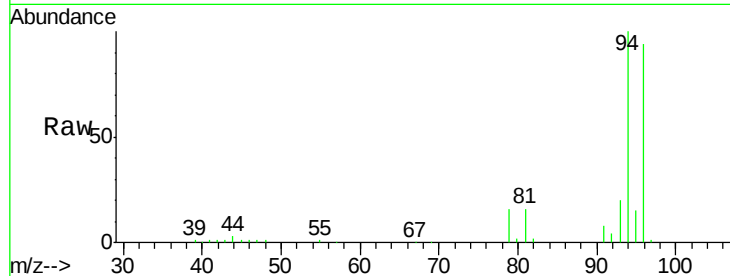
#5
Bromomethane
Concen: 52.248 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 80412
Ion Ratio Lower Upper
94 100
96 93.9 74.7 112.1

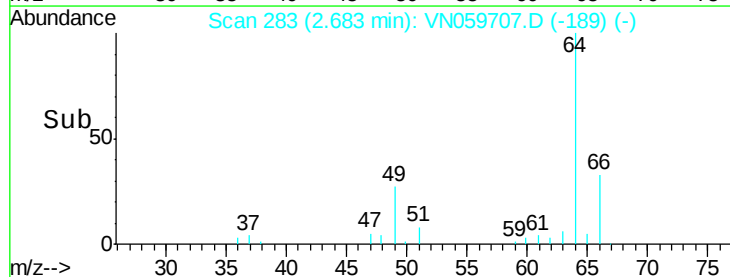
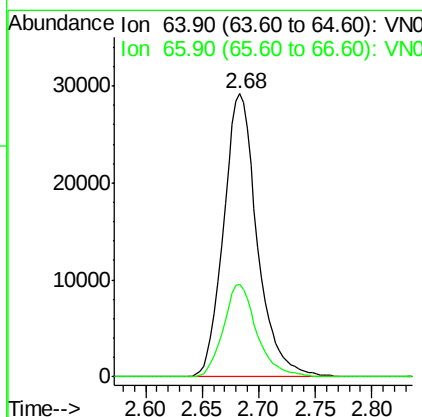
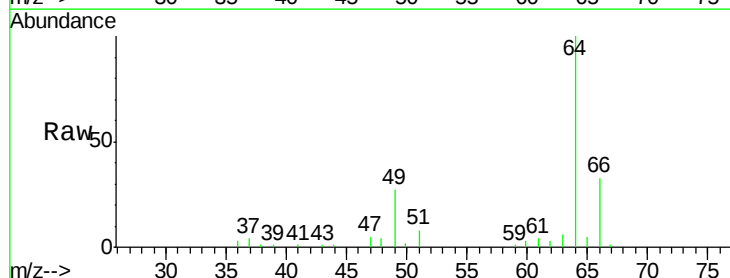
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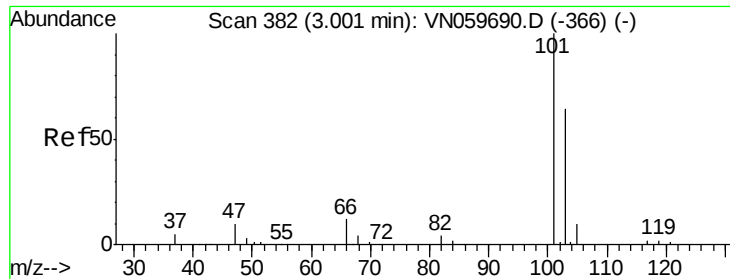
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#6
Chloroethane
Concen: 50.631 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 64 Resp: 60409
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7





#7

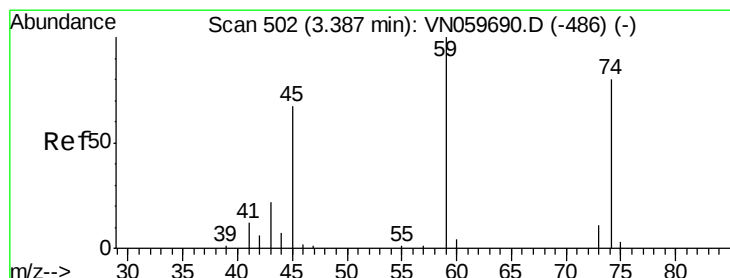
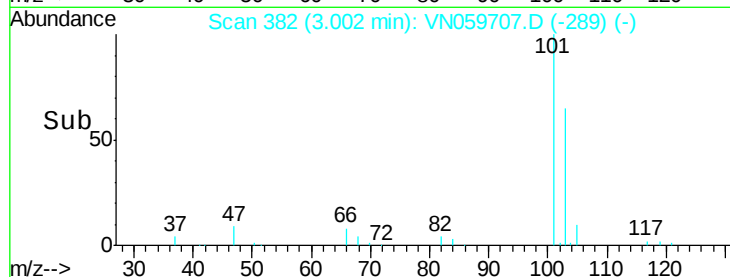
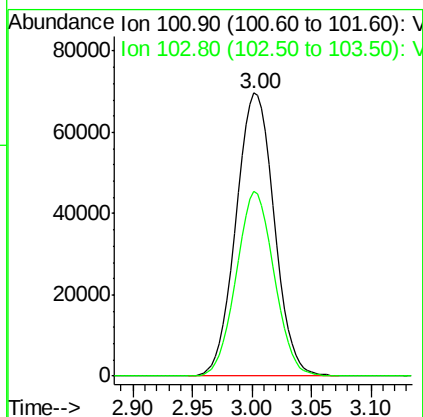
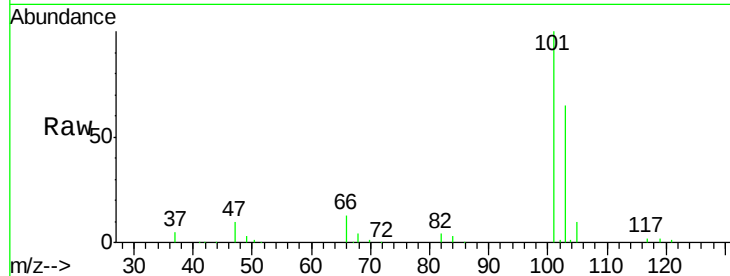
Trichlorofluoromethane
Concen: 51.357 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.0	76.6

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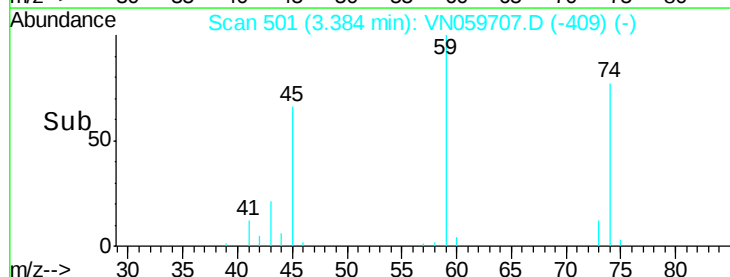
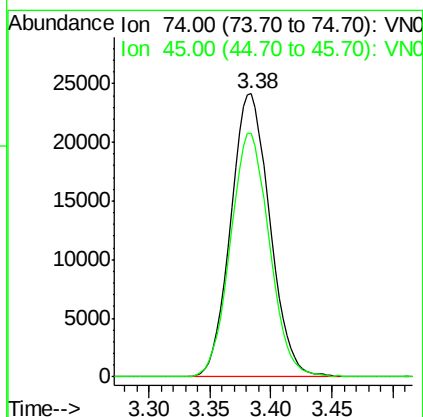
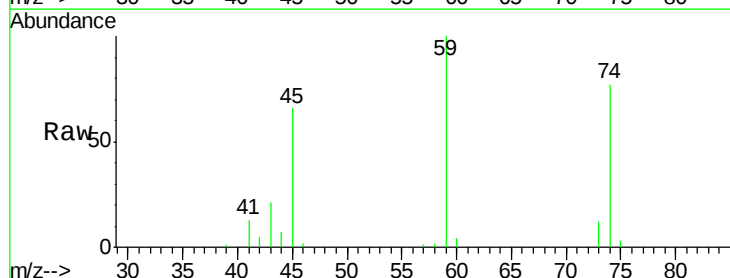
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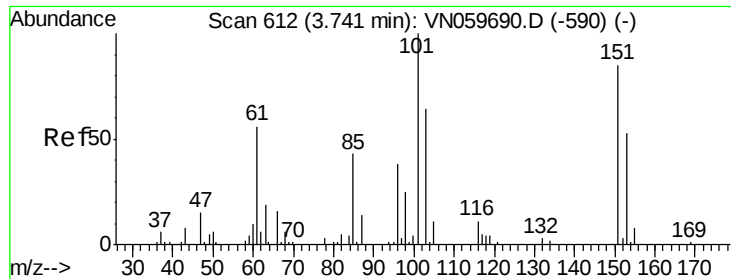


#8

Diethyl Ether
Concen: 50.572 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.7	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.782 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

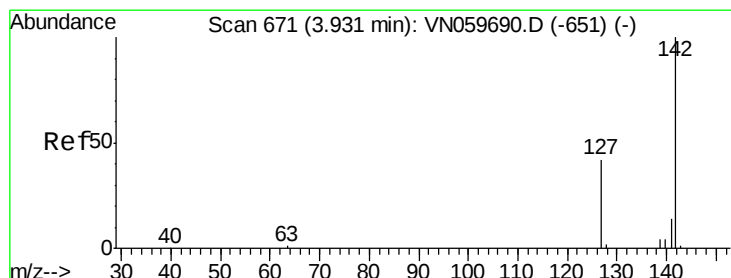
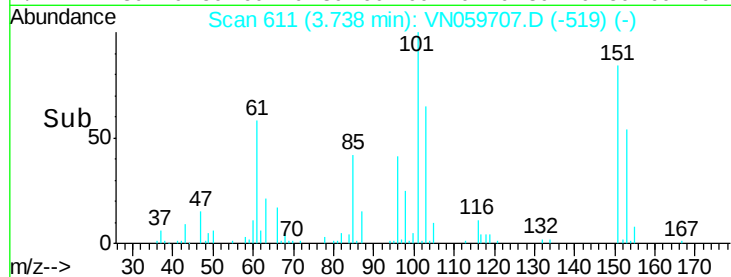
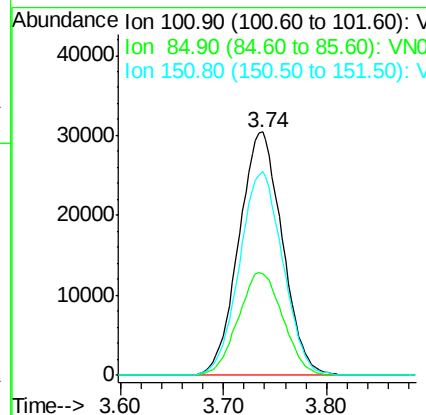
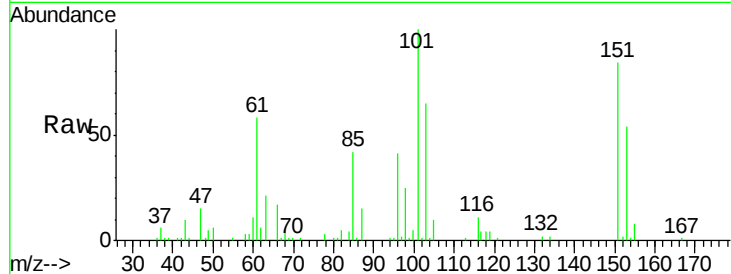
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	88971
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.6	54.8
151	83.9	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 49.917 ug/l

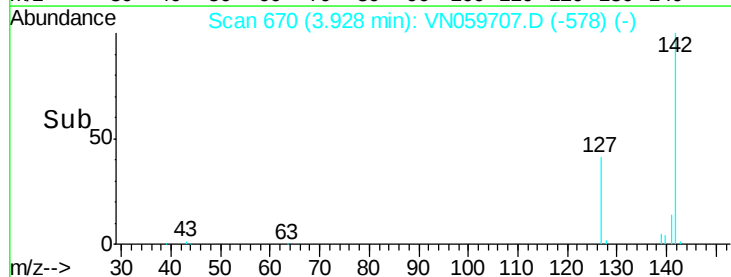
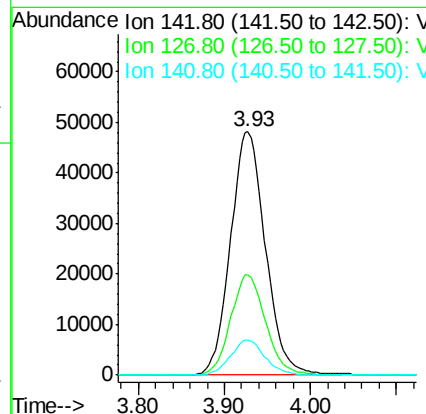
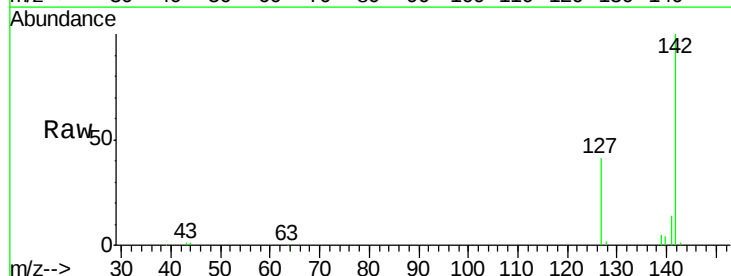
RT: 3.93 min Scan# 670

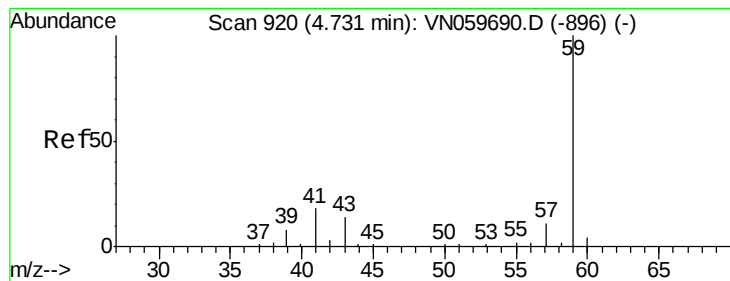
Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion:	142	Resp:	136006
Ion Ratio	Lower	Upper	
142	100		
127	41.2	36.7	55.1
141	14.1	11.7	17.5





#11

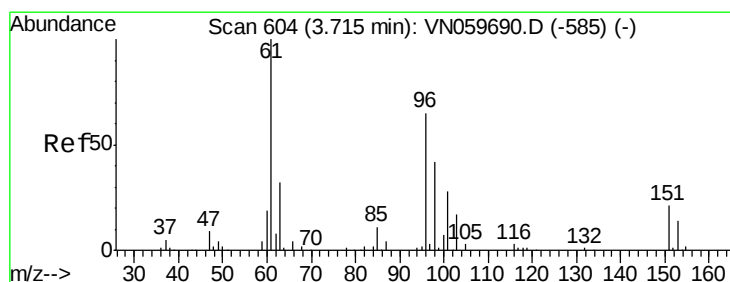
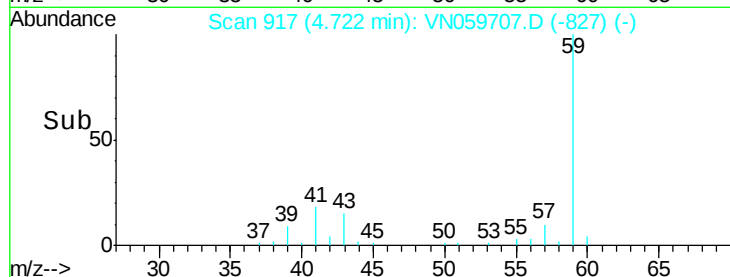
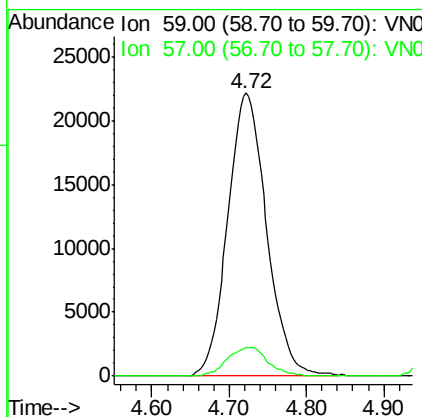
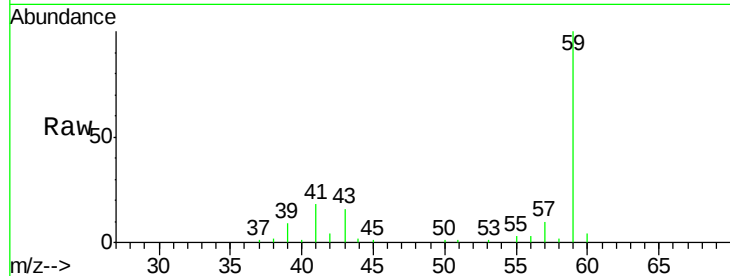
Tert butyl alcohol
 Concen: 215.059 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

Manual Integrations
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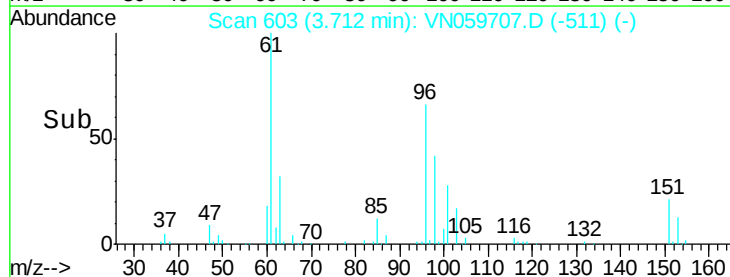
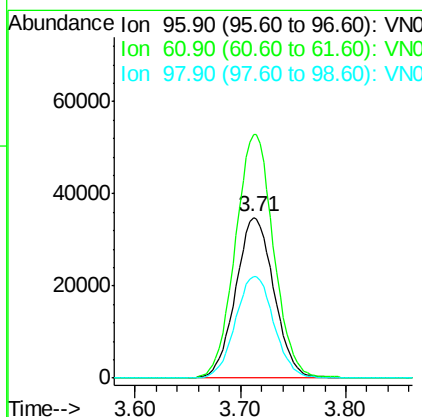
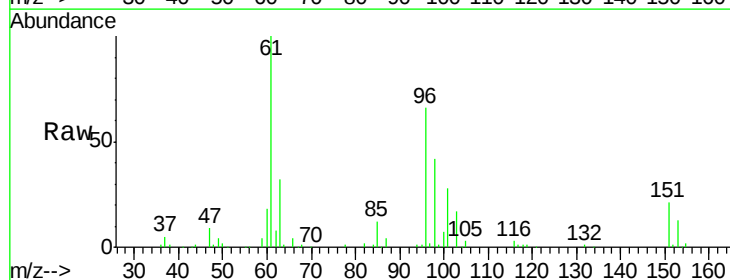
MMDadoda
 1/15/2020 10:55:20 AM

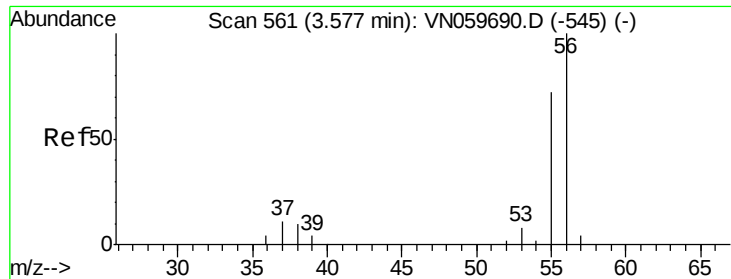


#12

1,1-Dichloroethene
 Concen: 49.935 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.4	137.5	206.3
98	63.1	50.2	75.4





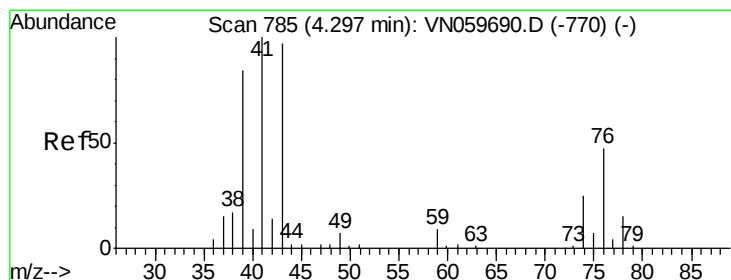
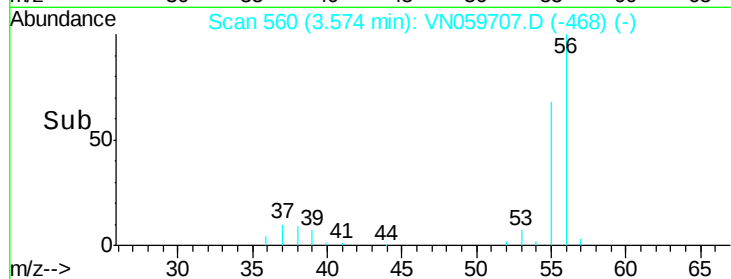
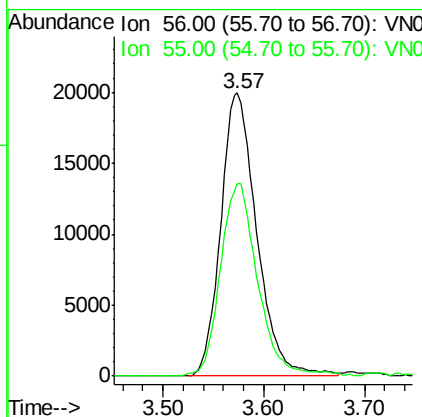
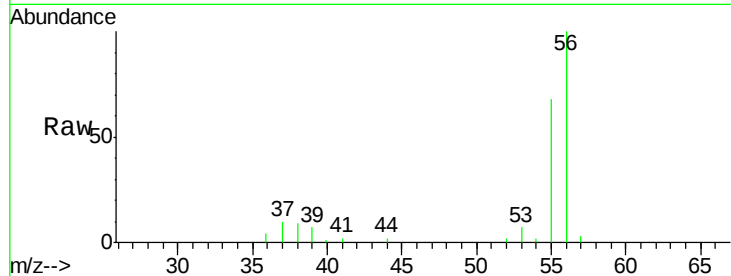
#13
Acrolein
Concen: 194.913 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	49660
Ion Ratio	Lower	Upper	
56	100		
55	70.3	58.6	88.0

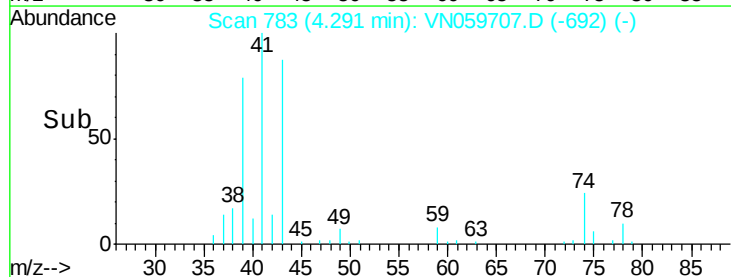
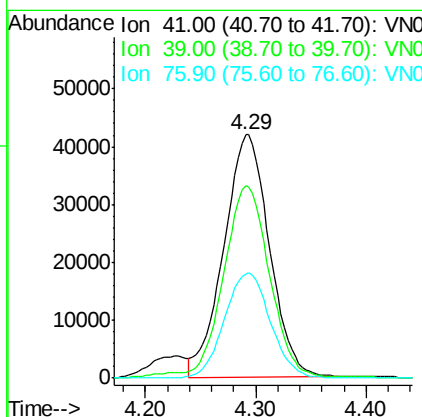
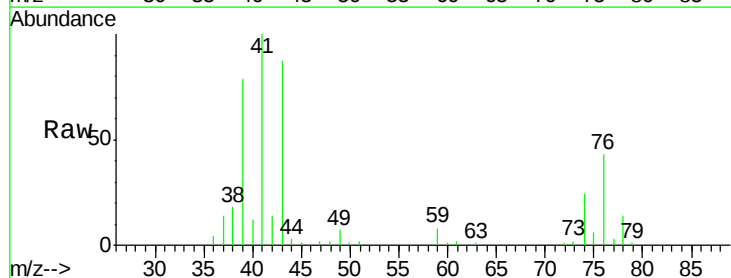
Manual Integrations
APPROVED

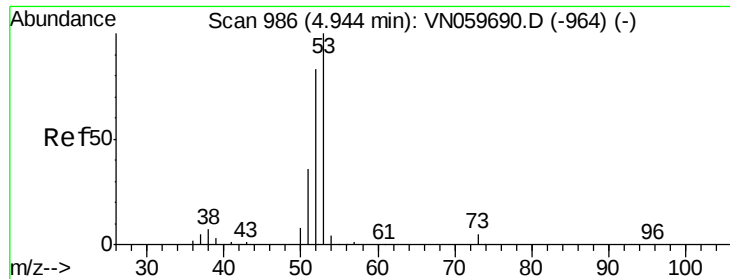
MMDadoda
1/15/2020 10:55:20 AM



#14
Allyl chloride
Concen: 50.413 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	41	Resp	119687
Ion Ratio	Lower	Upper	
41	100		
39	81.4	57.8	86.8
76	43.7	25.4	38.0





#15

Acrylonitrile

Concen: 236.049 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

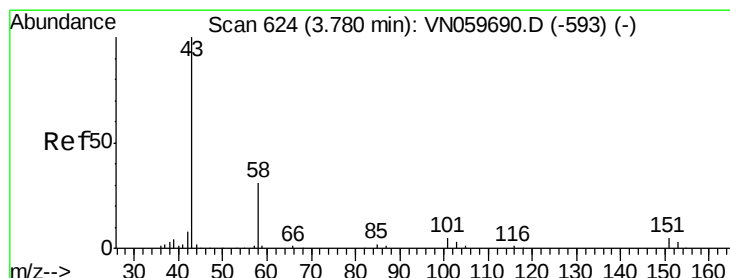
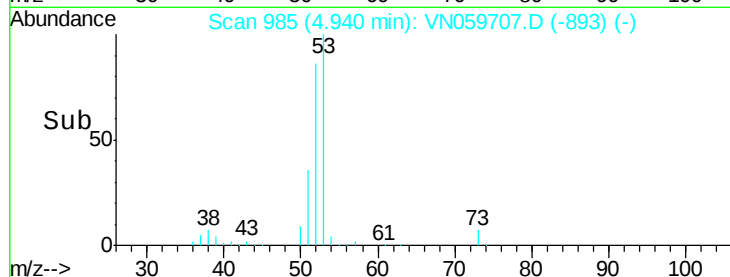
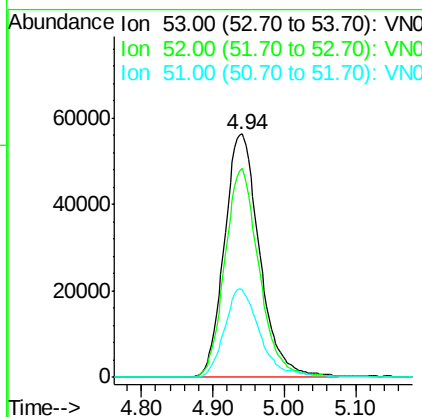
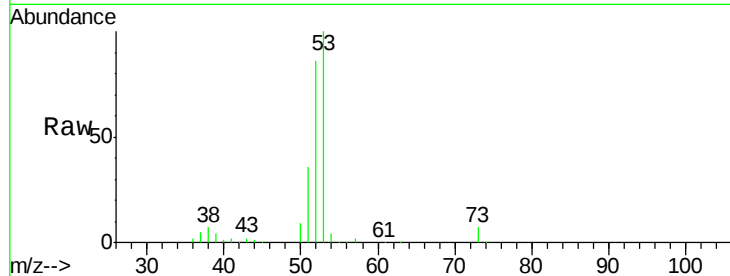
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	193798
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.3	99.5
51	36.7	29.7	44.5

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MMDadoda
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#16

Acetone

Concen: 228.938 ug/l

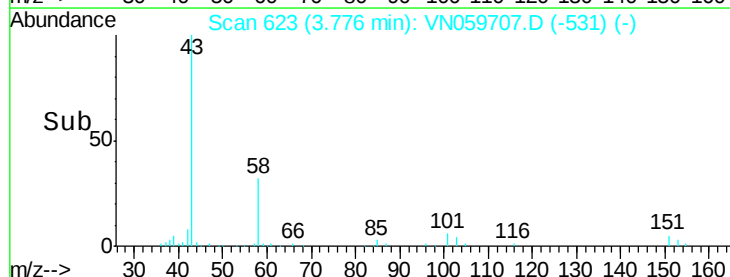
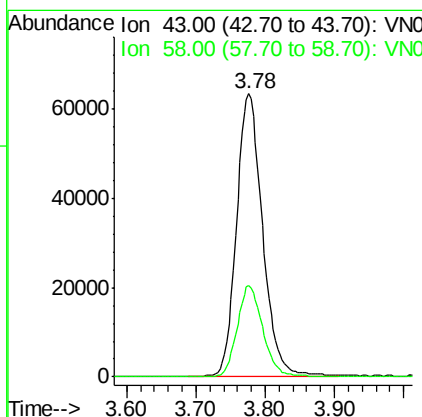
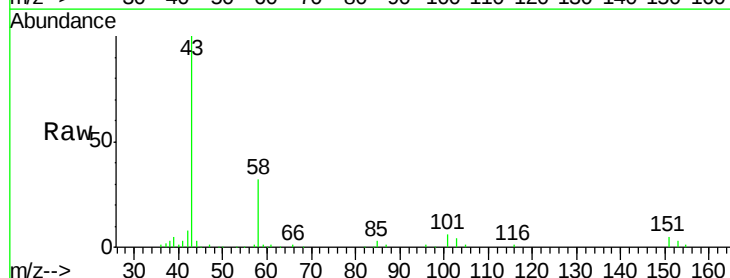
RT: 3.78 min Scan# 623

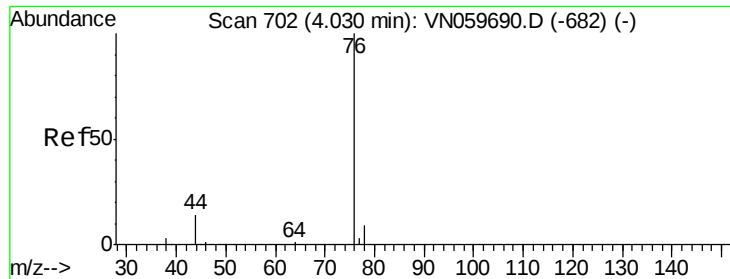
Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion:	43	Resp:	167559
Ion Ratio	Lower	Upper	
43	100		
58	32.3	23.6	35.4





#17

Carbon Disulfide

Concen: 49.240 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 247064

Ion Ratio Lower Upper

76 100

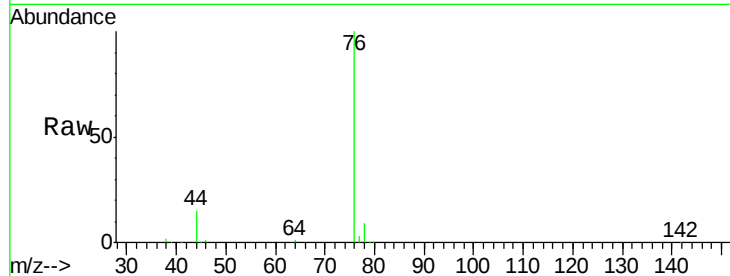
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

100000

80000

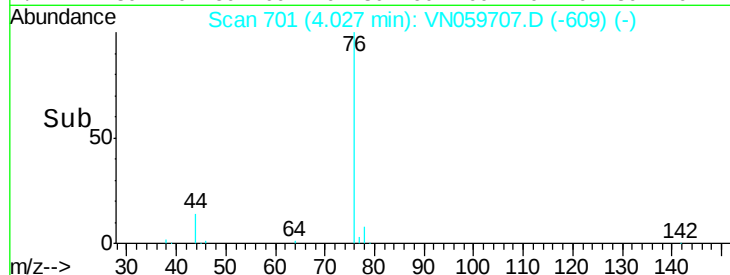
60000

40000

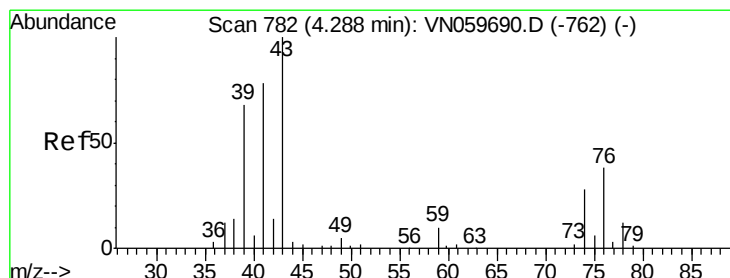
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 46.090 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN059707.D

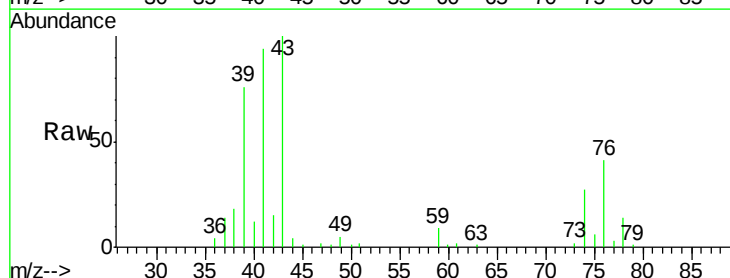
Acq: 14 Jan 2020 16:15

Tgt Ion: 43 Resp: 115102

Ion Ratio Lower Upper

43 100

74 26.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

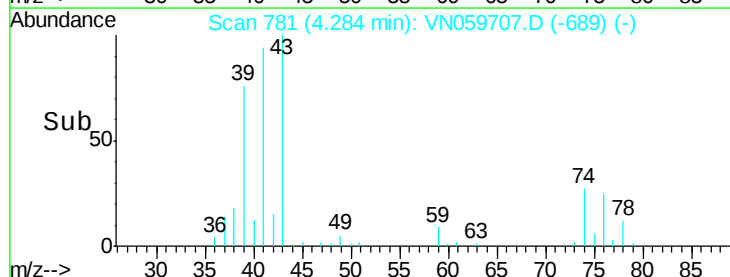
30000

20000

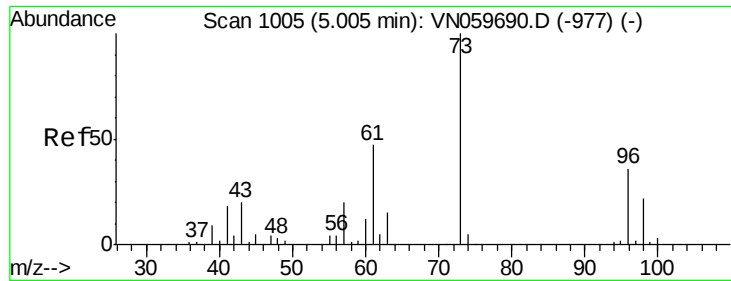
10000

0

Time-->



Time-->



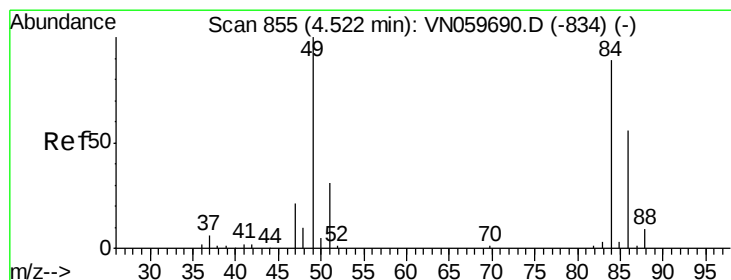
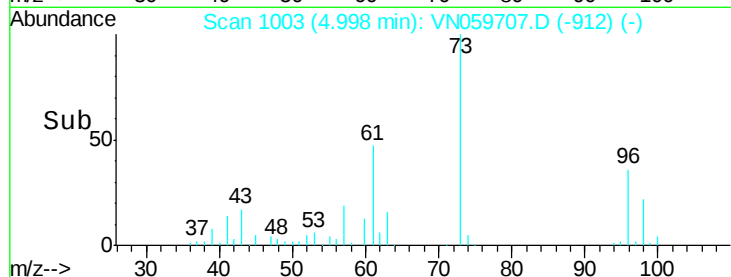
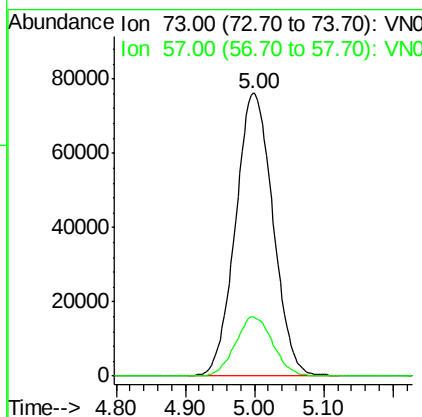
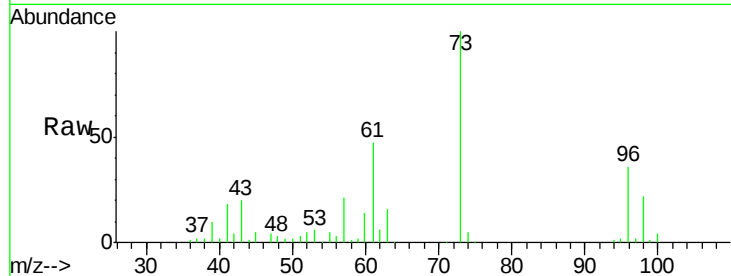
#19
Methvl tert-butvl Ether
Concen: 49.905 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 286595
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8

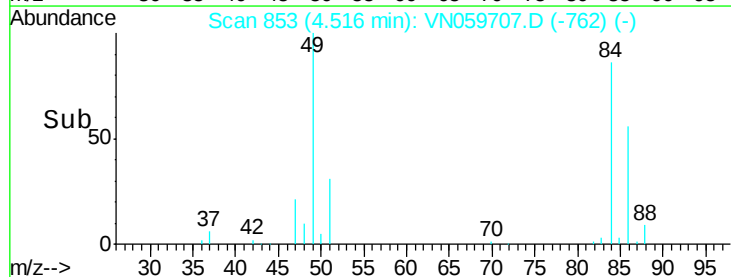
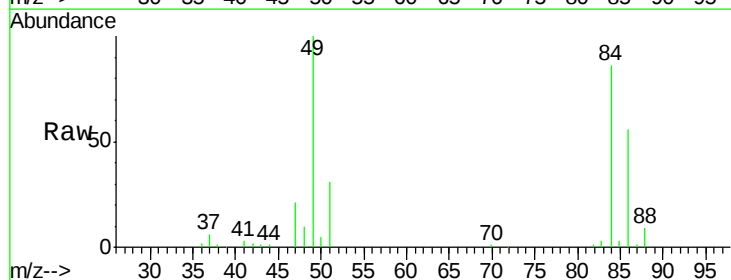
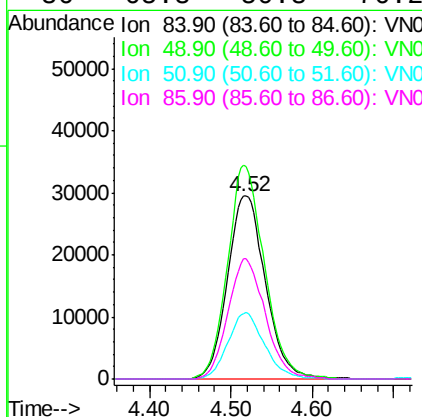
Manual Integrations
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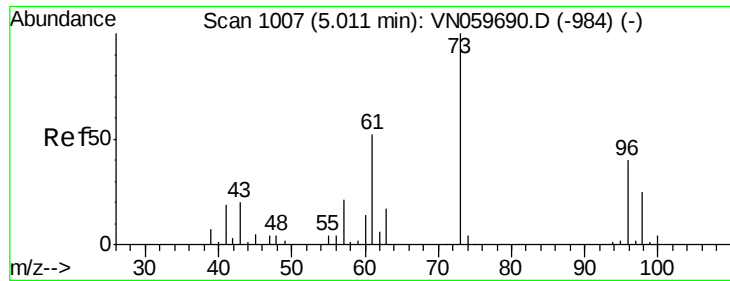
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1/15/2020 10:55:20 AM



#20
Methylene Chloride
Concen: 49.501 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 84 Resp: 95775
Ion Ratio Lower Upper
84 100
49 116.9 106.6 160.0
51 35.9 31.9 47.9
86 65.8 50.8 76.2





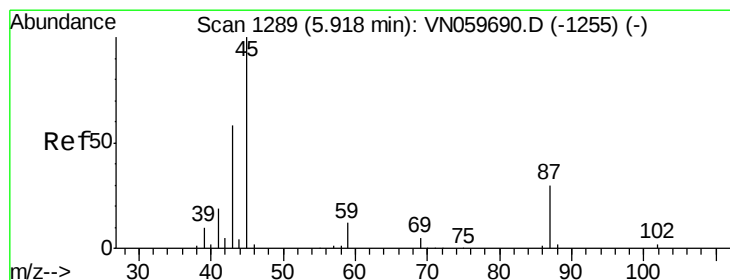
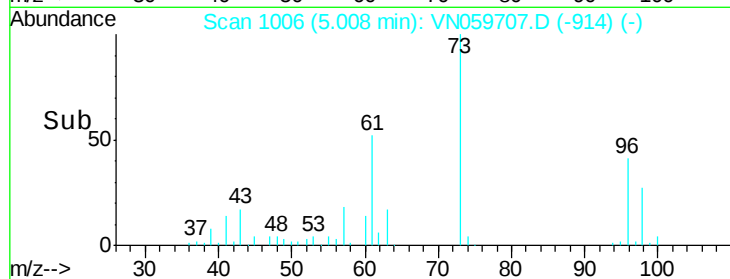
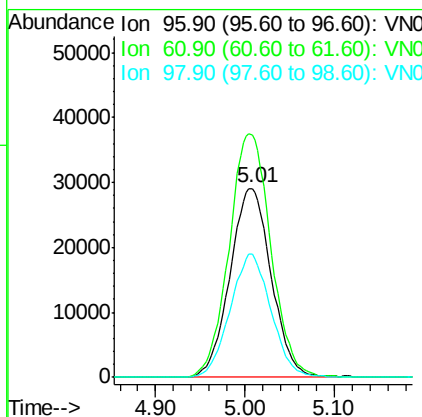
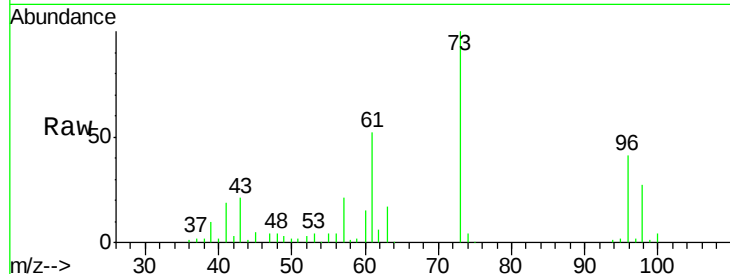
#21
trans-1,2-Dichloroethene
Concen: 49.941 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	120.4	180.6
98	65.2	50.6	75.8

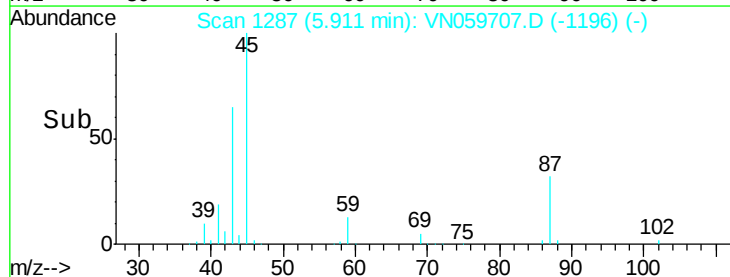
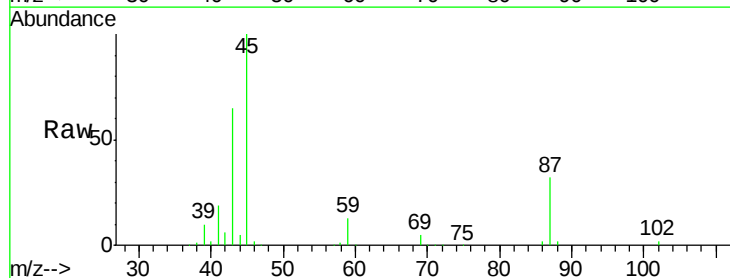
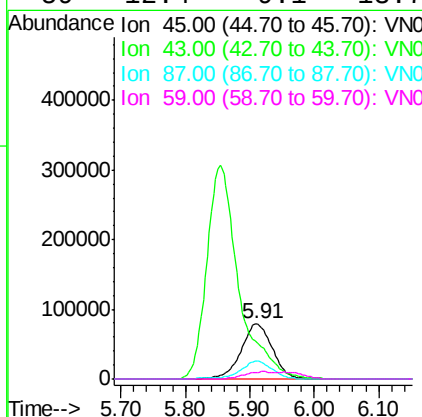
Manual Integrations
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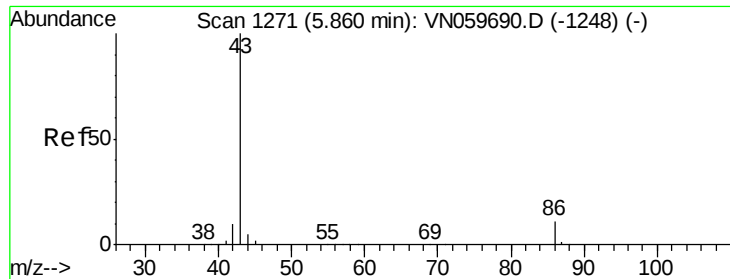
MMDadoda
1/15/2020 10:55:20 AM



#22
Diisopropyl ether
Concen: 49.780 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.0	50.8	76.2
87	32.3	21.0	31.6
59	12.4	9.1	13.7





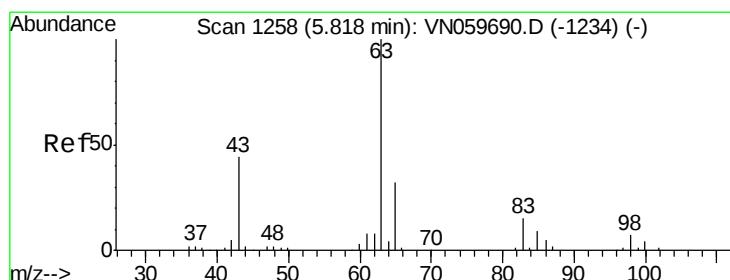
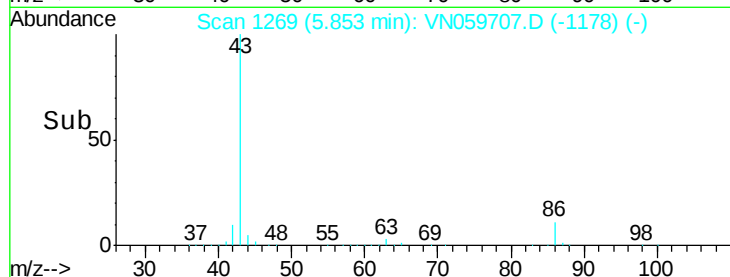
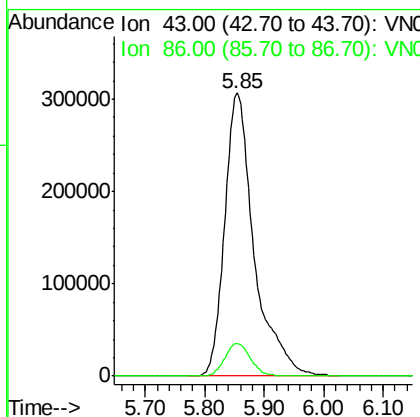
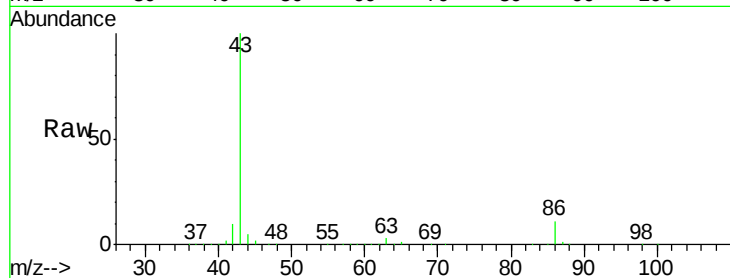
#23
 Vinyl Acetate
 Concen: 253.318 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1055211
 Ion Ratio Lower Upper
 43 100
 86 11.4 7.6 11.4#

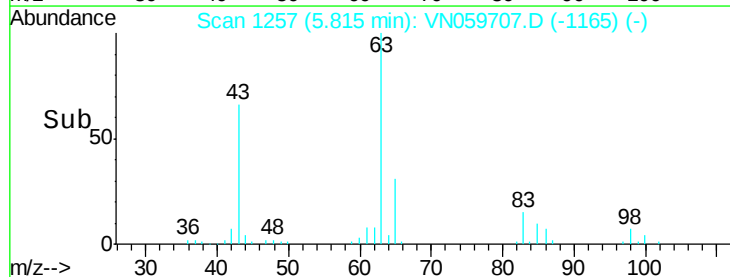
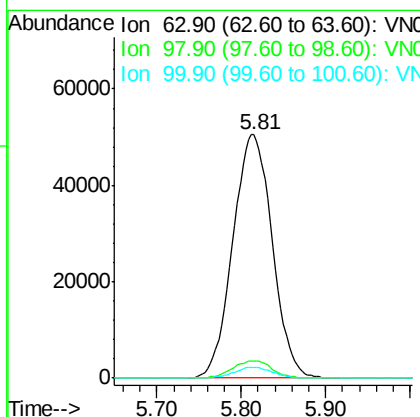
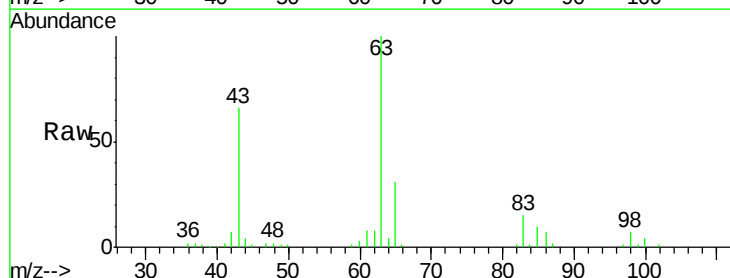
Manual Integrations
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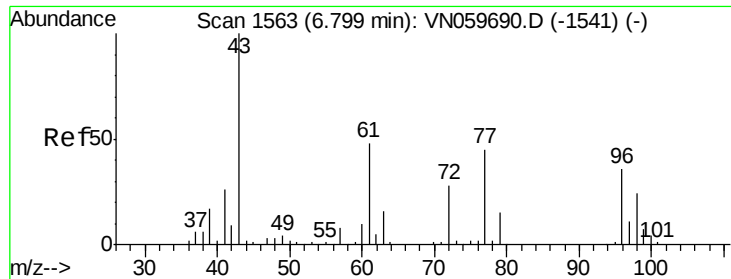
MMDadoda
 1/15/2020 10:55:20 AM



#24
 1,1-Dichloroethane
 Concen: 49.978 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion: 63 Resp: 164300
 Ion Ratio Lower Upper
 63 100
 98 7.3 2.9 8.7
 100 4.3 2.0 6.0





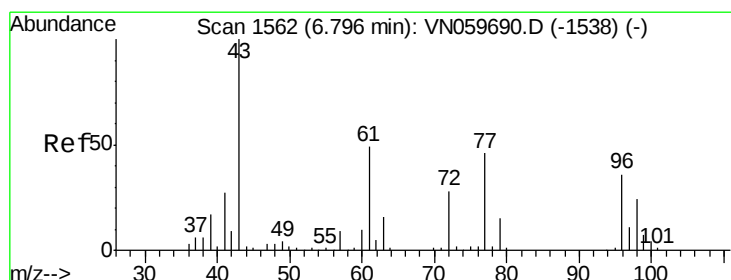
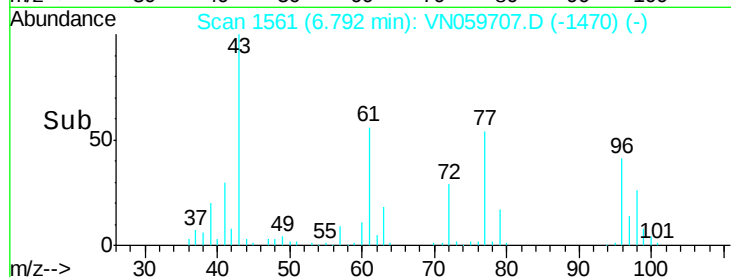
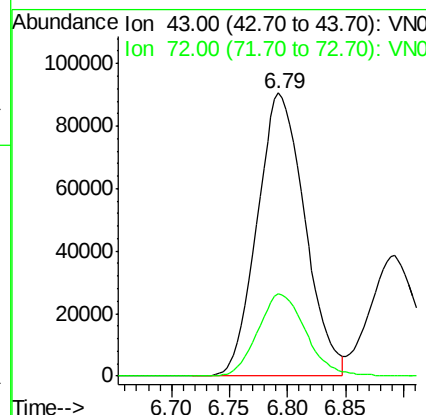
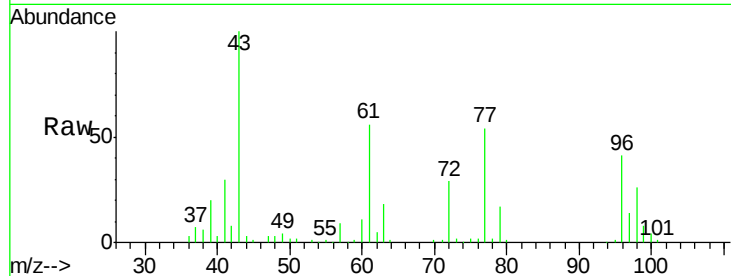
#25
2-Butanone
Concen: 213.497 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 258488
Ion Ratio Lower Upper
43 100
72 29.2 19.9 29.9

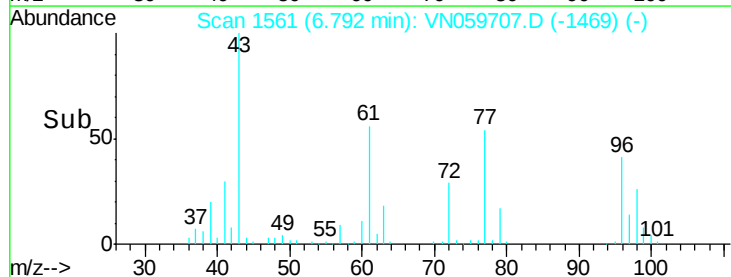
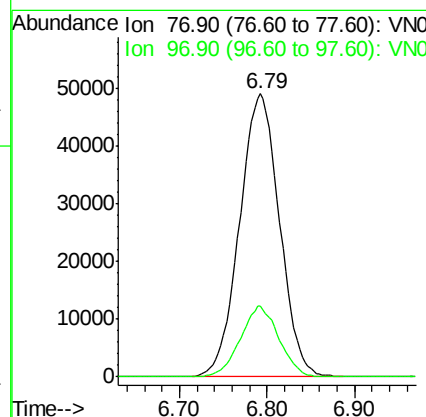
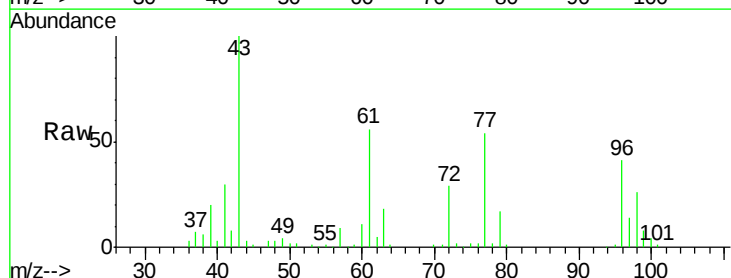
Manual Integrations
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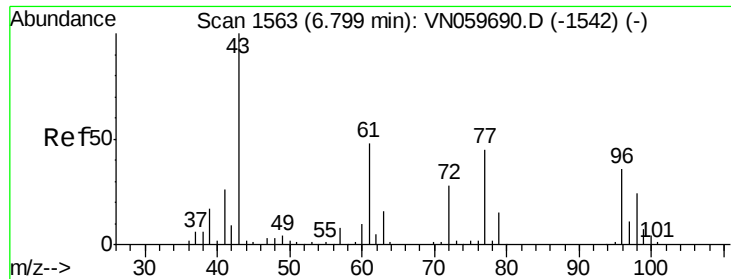
MMDadoda
1/15/2020 10:55:20 AM



#26
2,2-Dichloropropane
Concen: 48.990 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 77 Resp: 154830
Ion Ratio Lower Upper
77 100
97 24.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.392 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

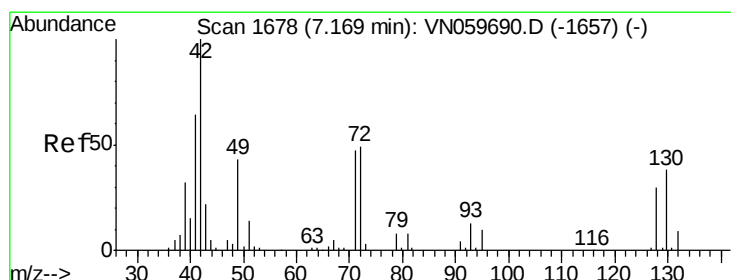
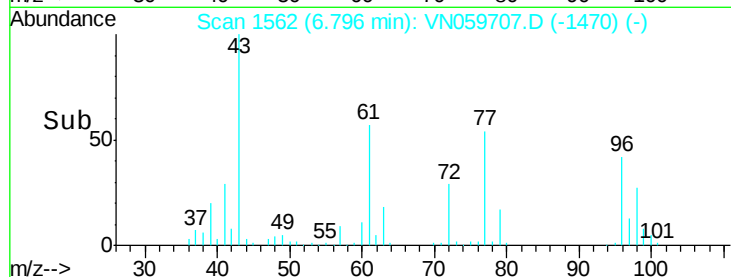
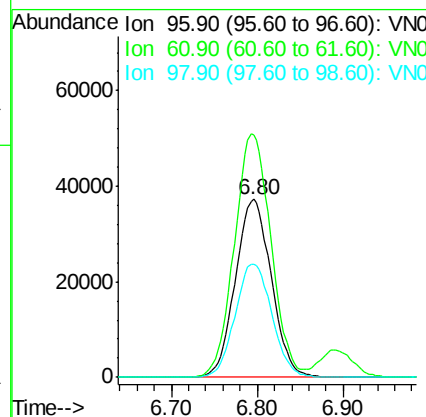
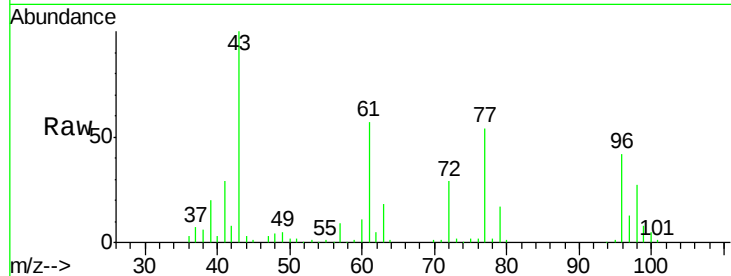
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	108519
Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	317.6
98	65.0	0.0	127.0

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#28

Bromochloromethane

Concen: 47.608 ug/l

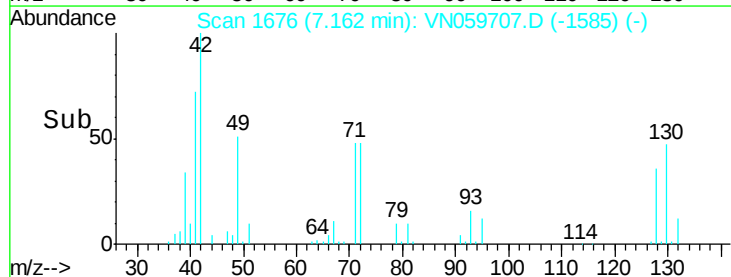
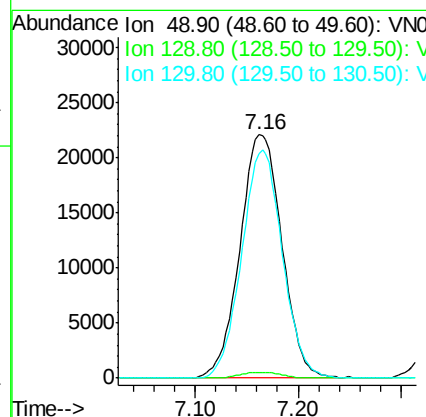
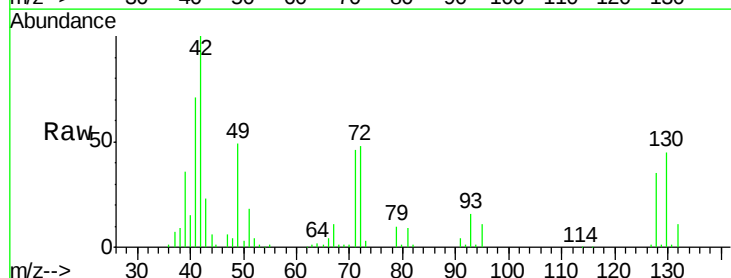
RT: 7.16 min Scan# 1676

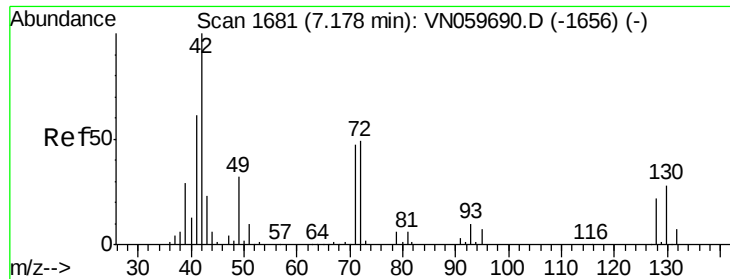
Delta R.T. -0.01 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion:	49	Resp:	62554
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.4
130	90.7	54.7	82.1#





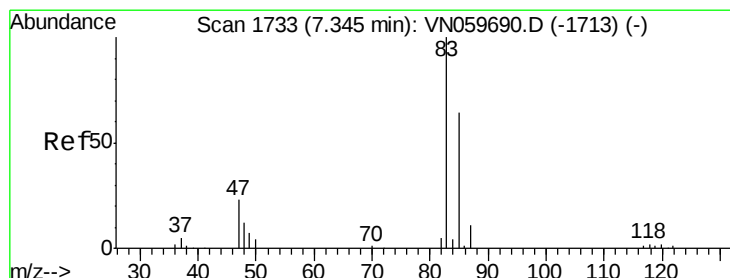
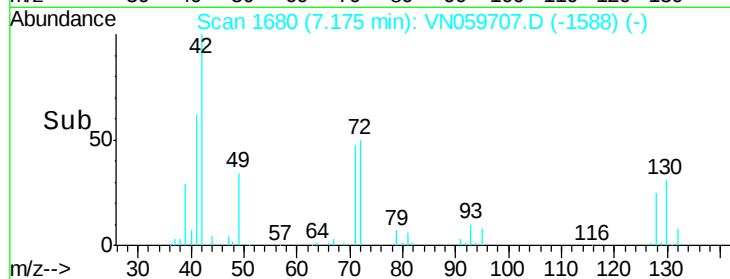
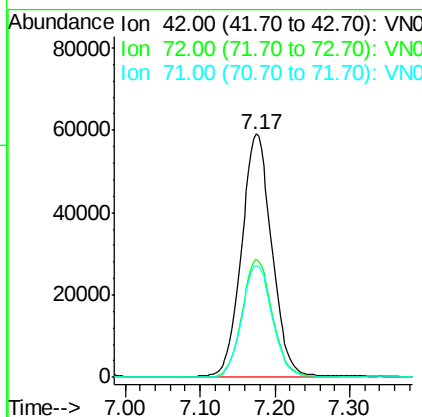
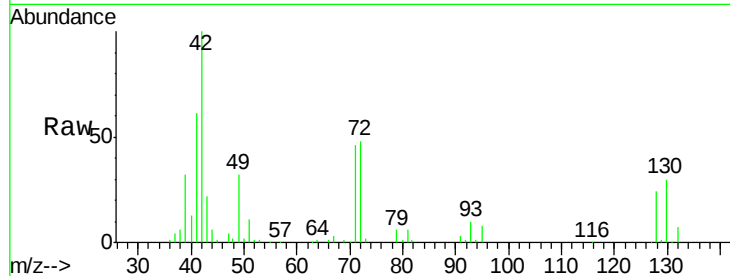
#29
Tetrahydrofuran
Concen: 223.535 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	33.1	49.7
71	46.0	31.4	47.0

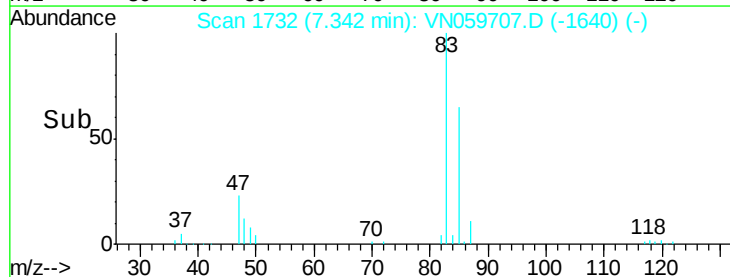
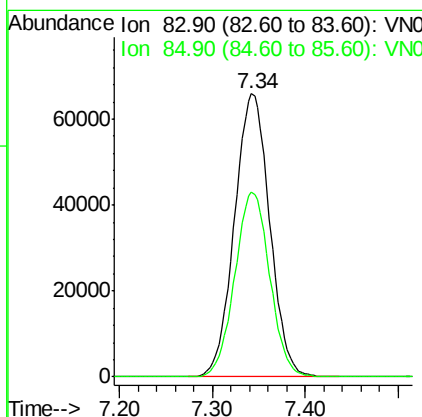
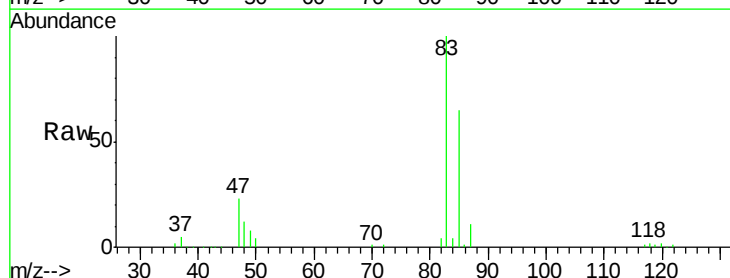
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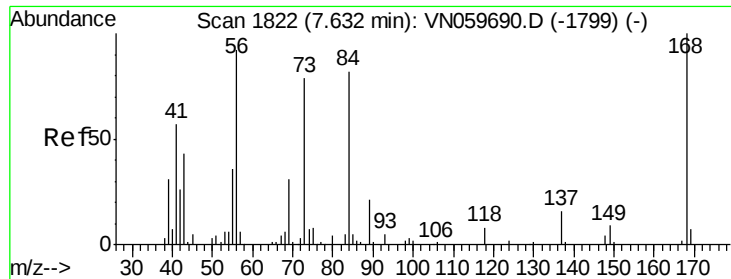
MMDadoda
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#30
Chloroform
Concen: 51.002 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.4	78.6





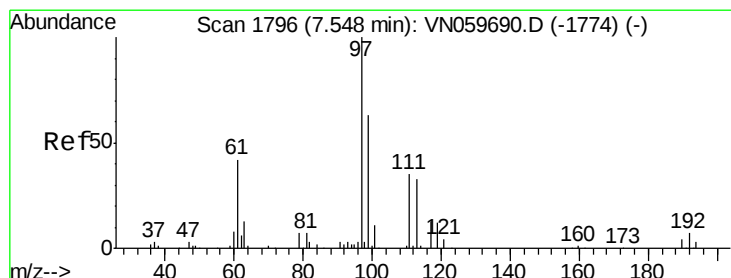
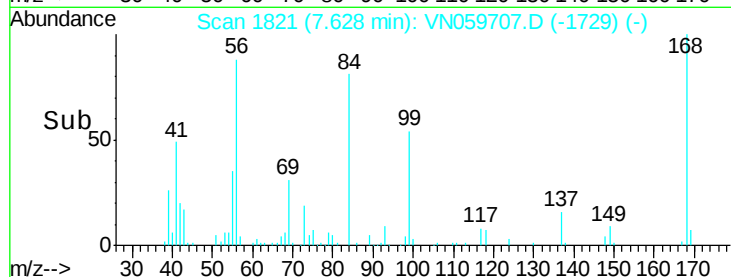
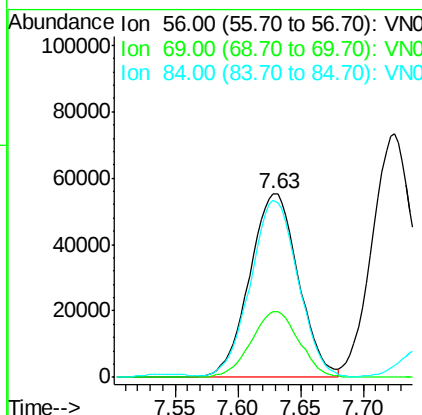
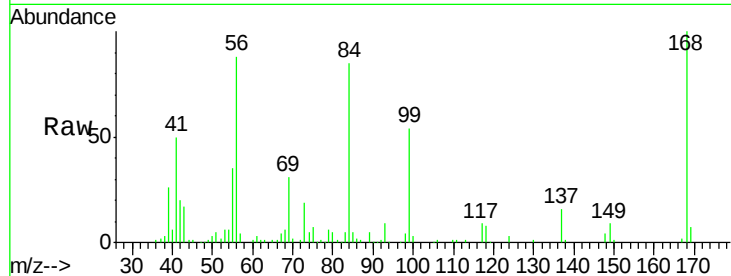
#31
Cyclohexane
Concen: 47.333 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	26.5	39.7
84	95.1	65.3	97.9

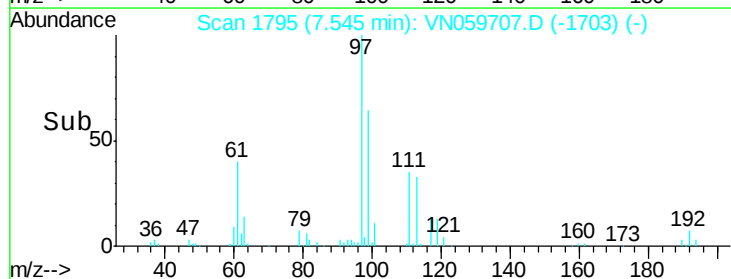
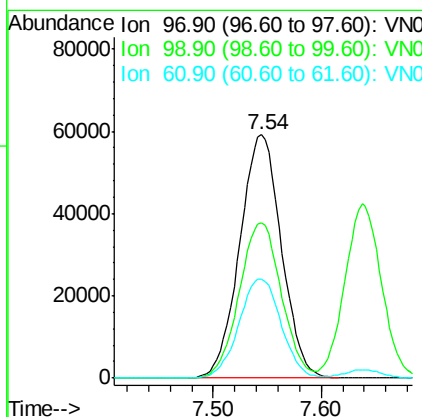
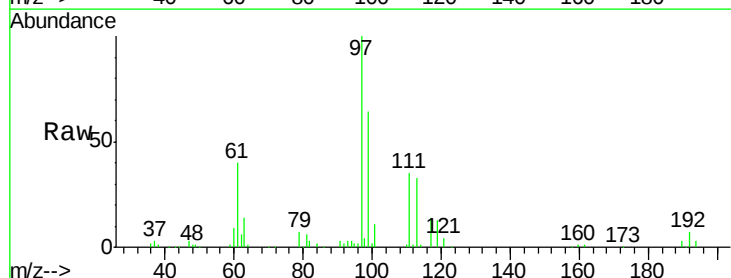
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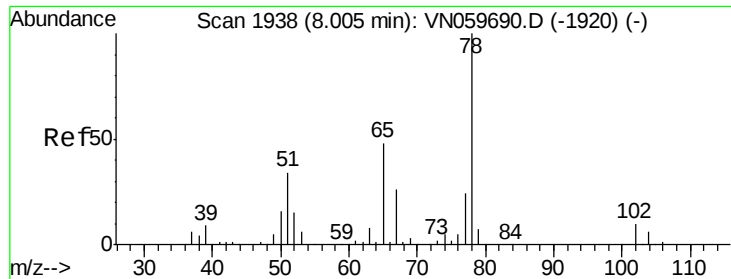
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.416 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	41.4	38.5	57.7





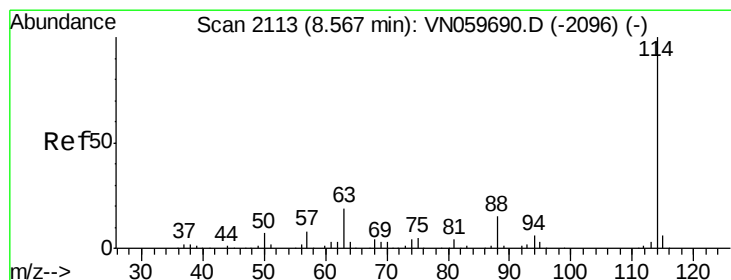
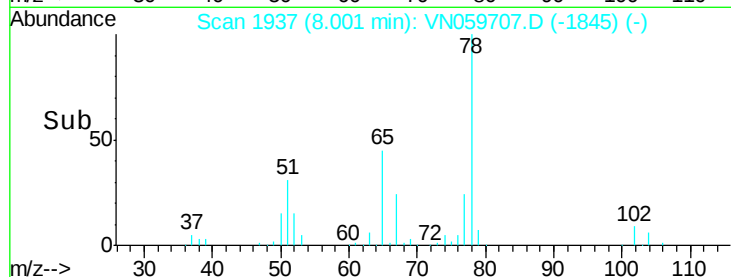
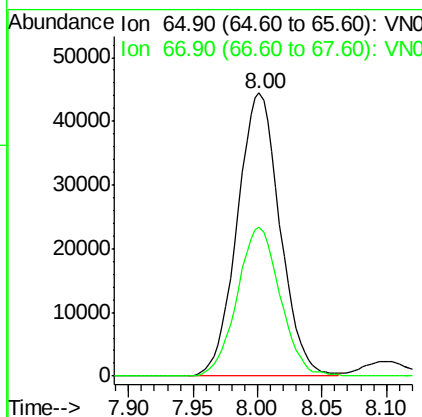
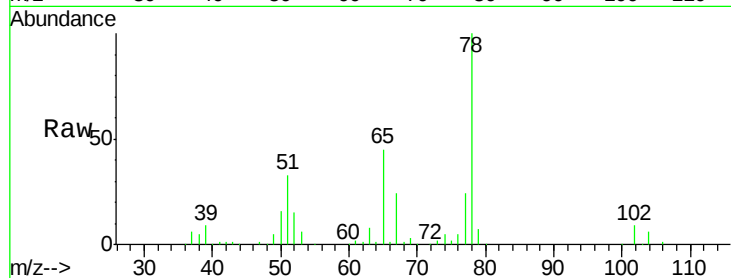
#33
 1,2-Dichloroethane-d4
 Concen: 47.941 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102498		
67	52.9	0.0	103.0	

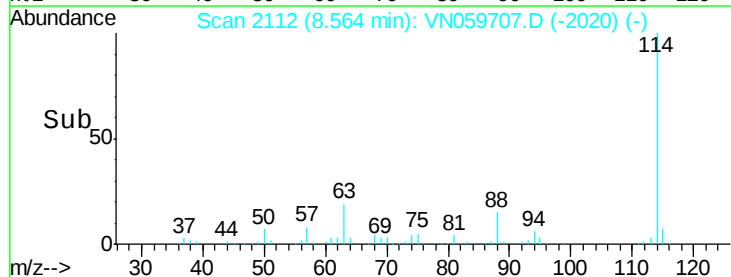
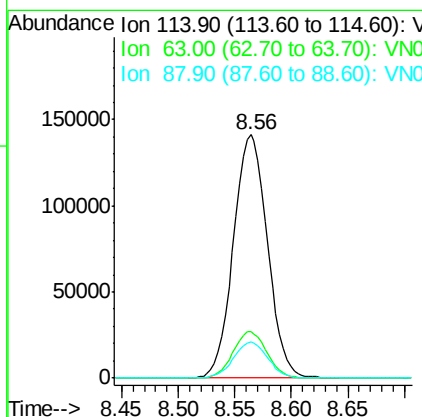
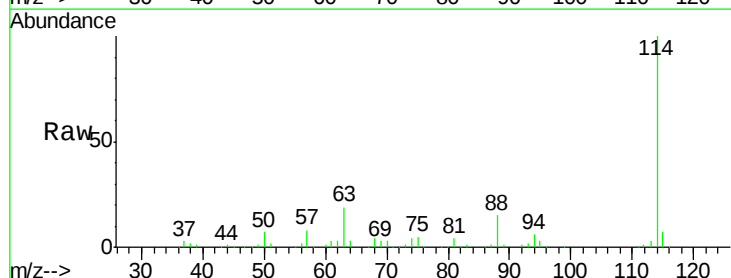
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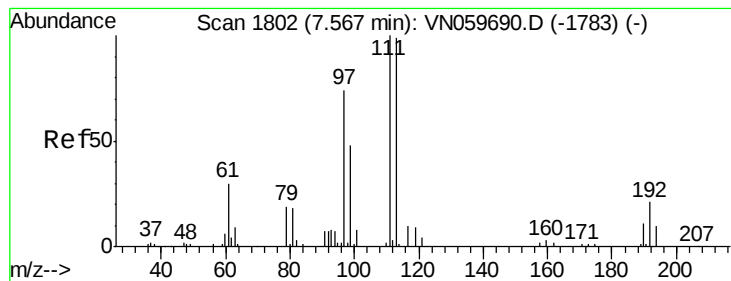
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 1/15/2020 10:55:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	296124		
63	19.0	0.0	43.6	
88	14.9	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.554 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

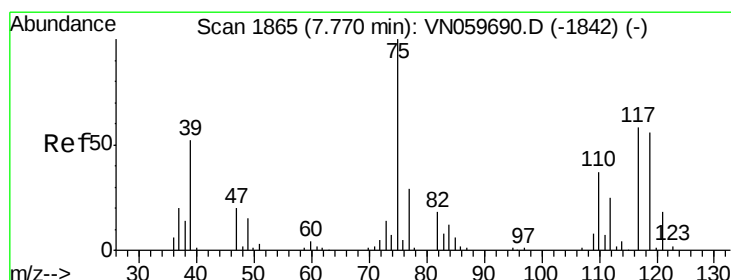
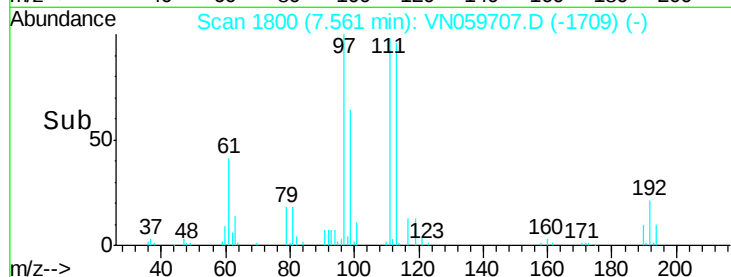
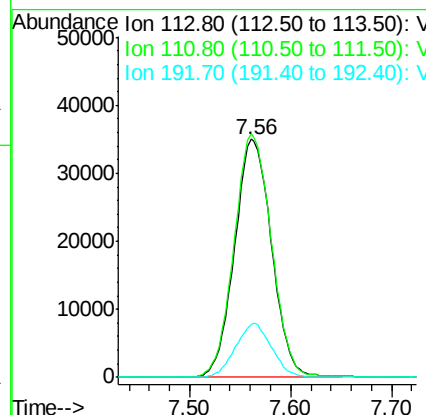
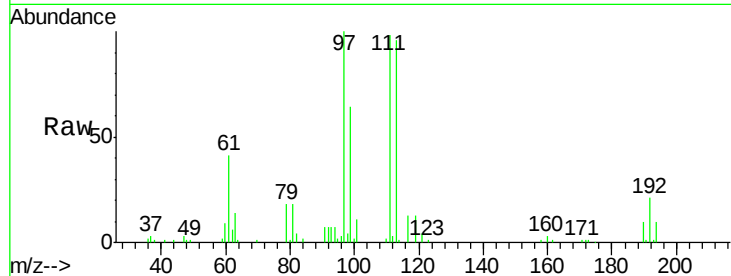
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	89274
Ion Ratio	Lower	Upper	
113	100		
111	103.5	83.5	125.3
192	21.9	15.4	23.2

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1/15/2020 10:55:20 AM



#36

1,1-Dichloropropene

Concen: 50.652 ug/l

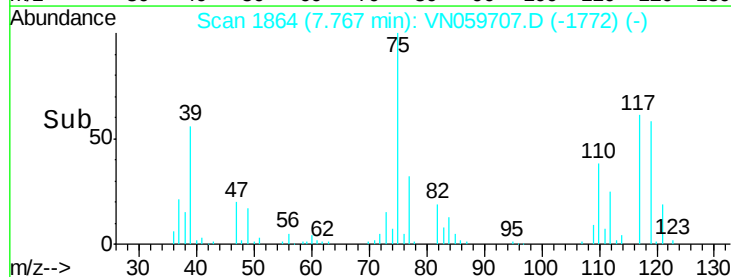
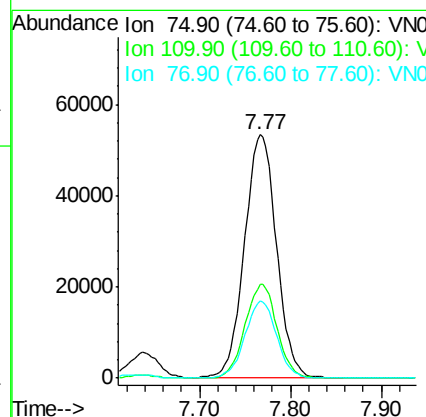
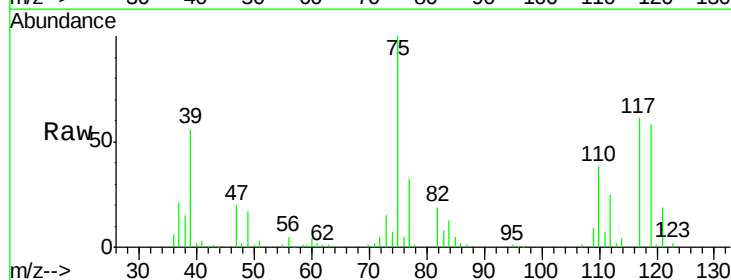
RT: 7.77 min Scan# 1864

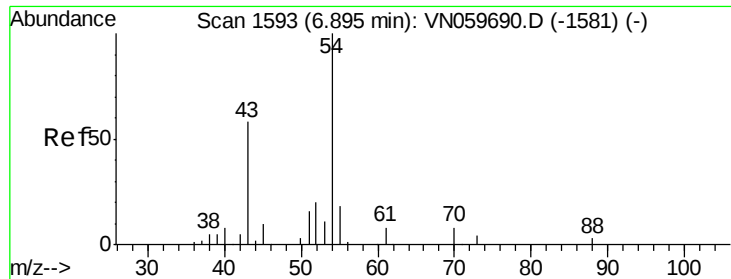
Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion:	75	Resp:	130620
Ion Ratio	Lower	Upper	
75	100		
110	38.1	16.6	49.7
77	31.3	25.1	37.7





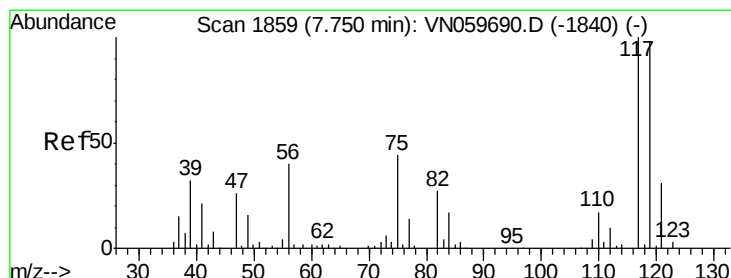
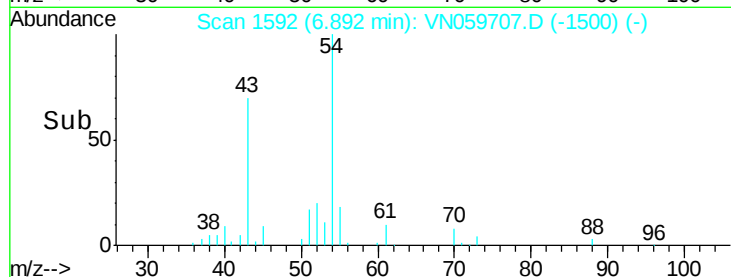
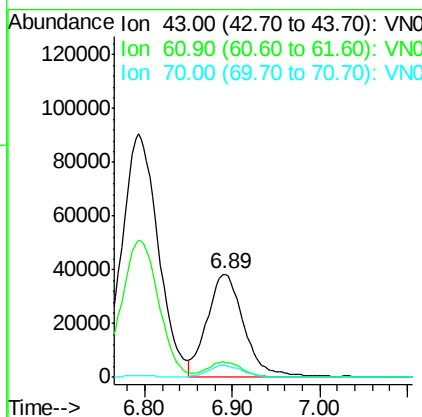
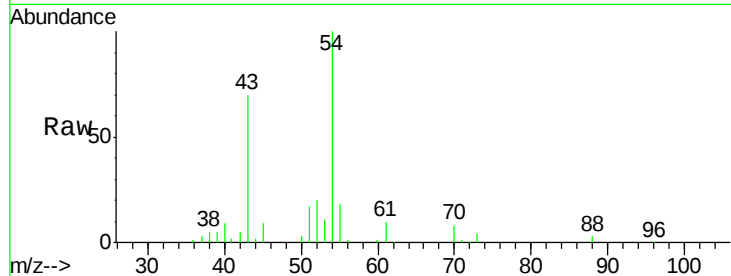
#37
Ethyl Acetate
Concen: 46.085 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	11.1	7.7	11.5

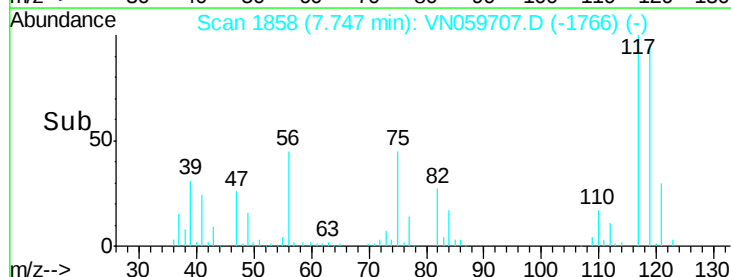
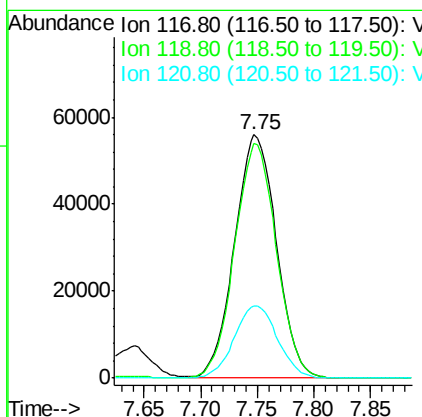
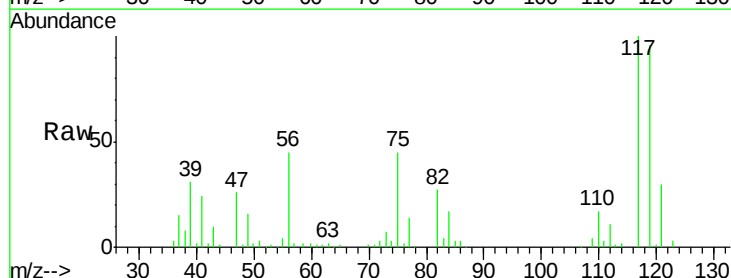
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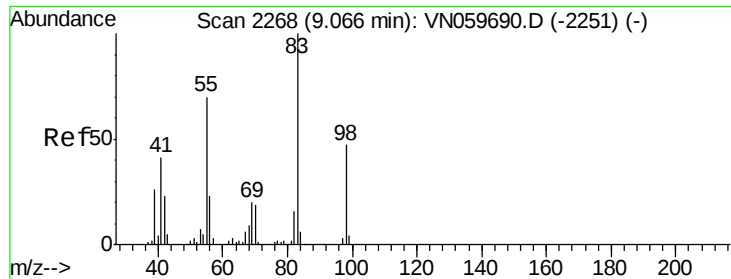
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1/15/2020 10:55:20 AM



#38
Carbon Tetrachloride
Concen: 51.507 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.5	114.7
121	29.7	25.1	37.7





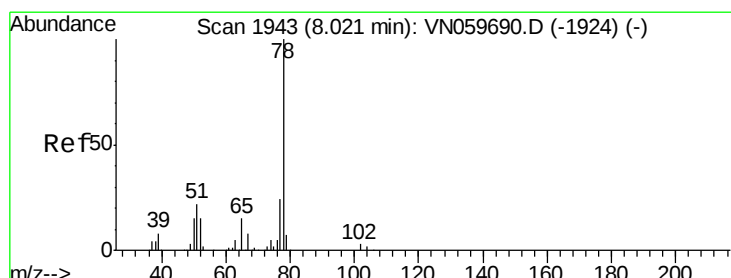
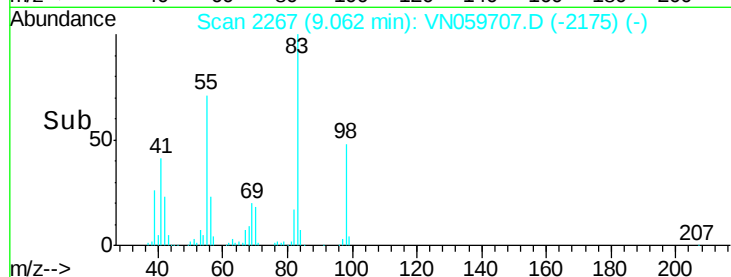
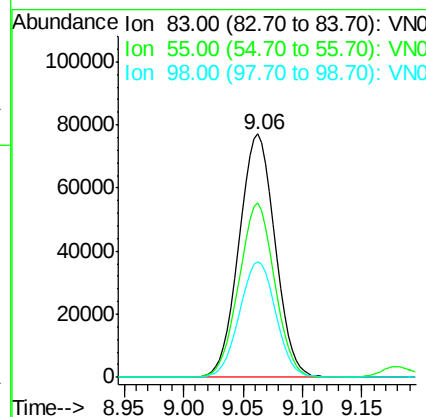
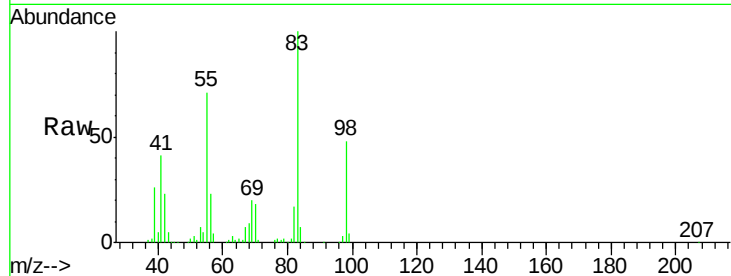
#39
Methvlcvclohexane
Concen: 51.036 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	64.2	96.2
98	47.6	35.9	53.9

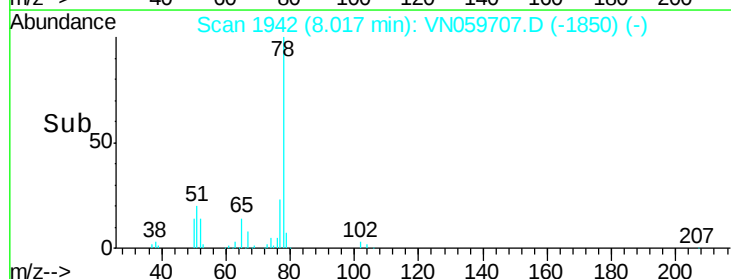
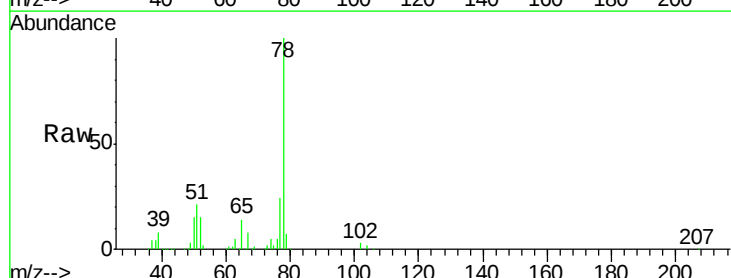
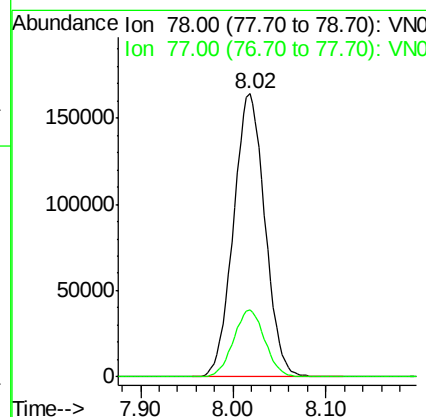
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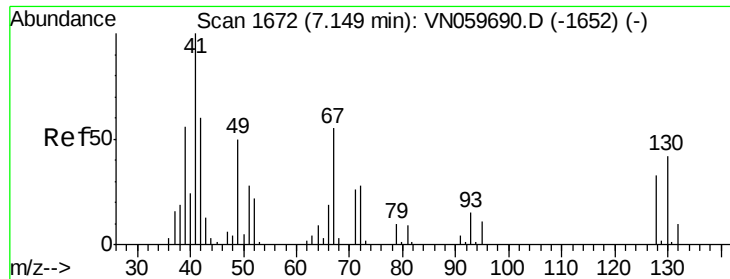
MMDadoda
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#40
Benzene
Concen: 50.149 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





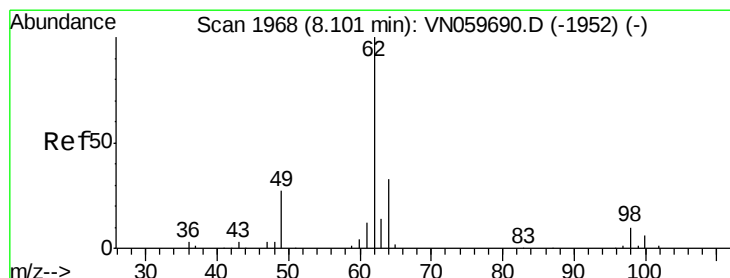
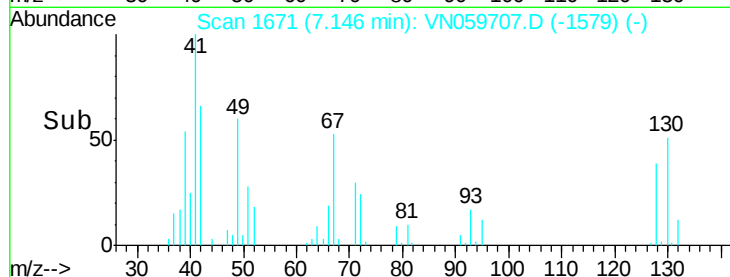
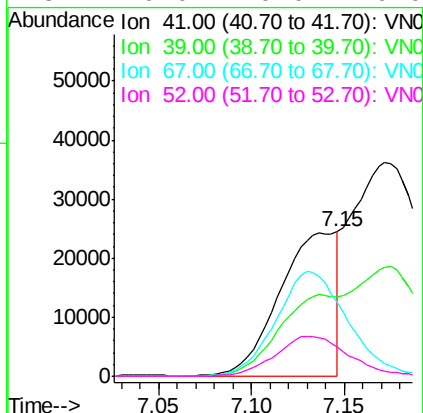
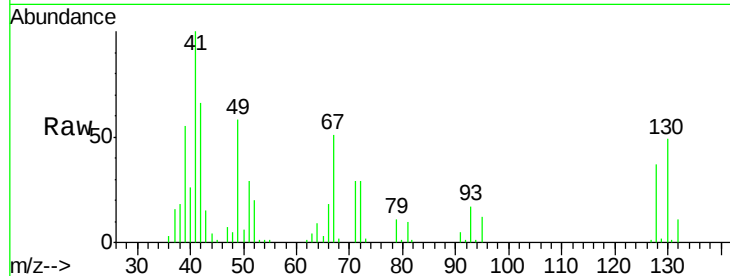
#41
Methacrylonitrile
Concen: 44.124 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	52566
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

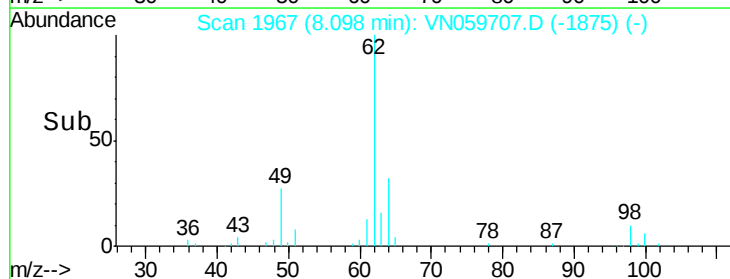
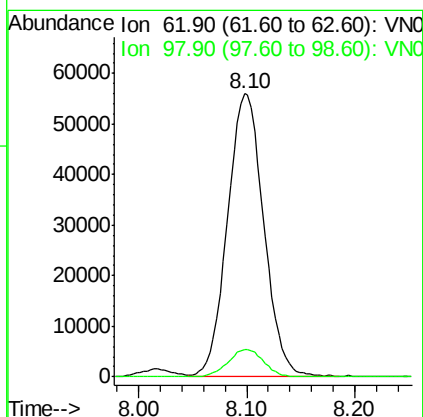
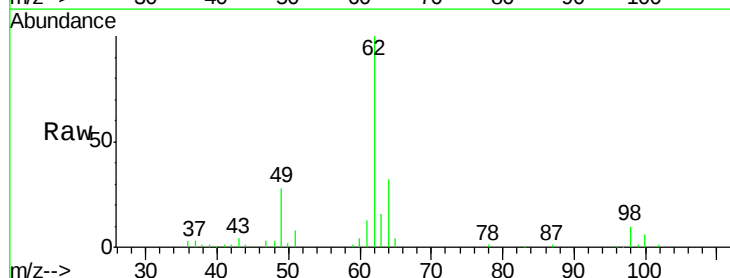
Manual Integrations
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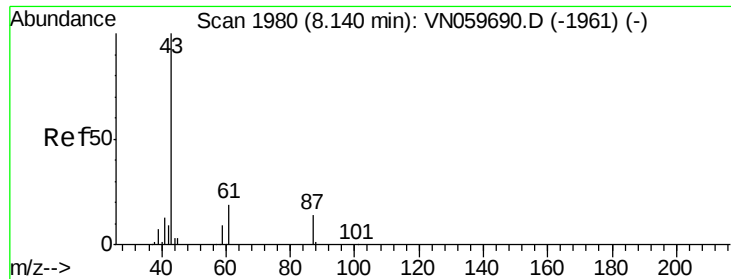
MMDadoda
1/15/2020 10:55:20 AM



#42
1,2-Dichloroethane
Concen: 50.032 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	62	Resp	130462
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	15.8





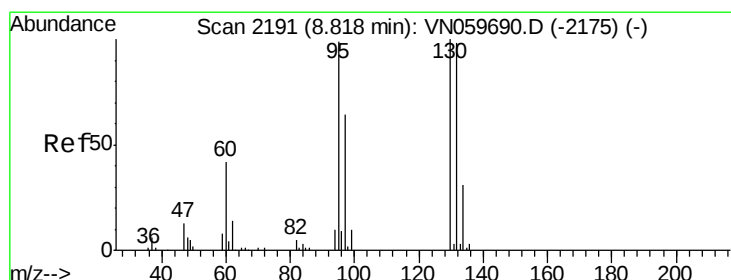
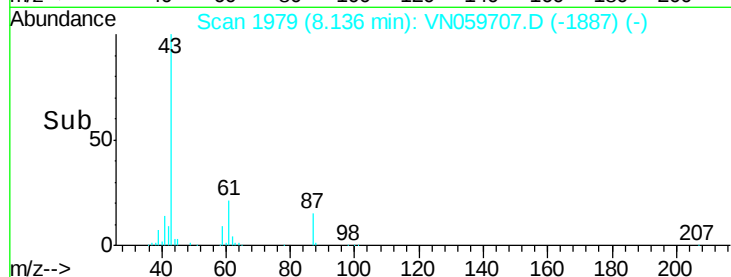
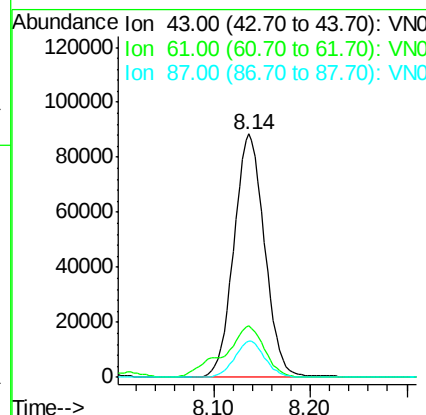
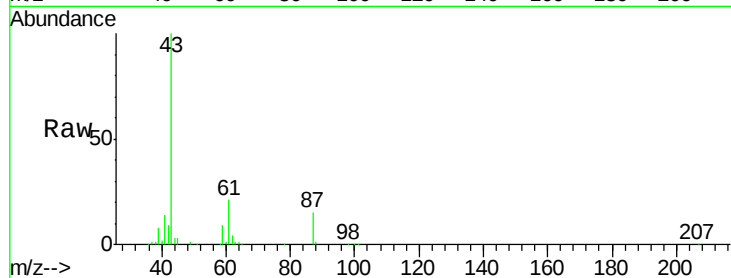
#43
Isopropyl Acetate
Concen: 46.575 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	20.2	30.2
87	14.7	9.5	14.3

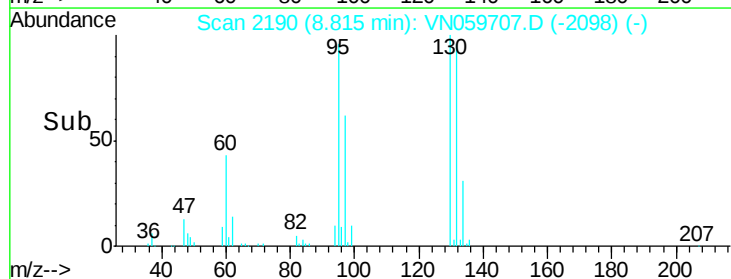
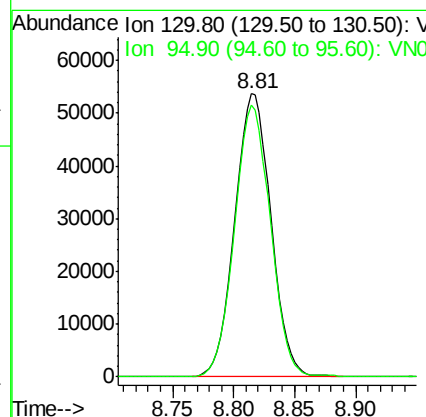
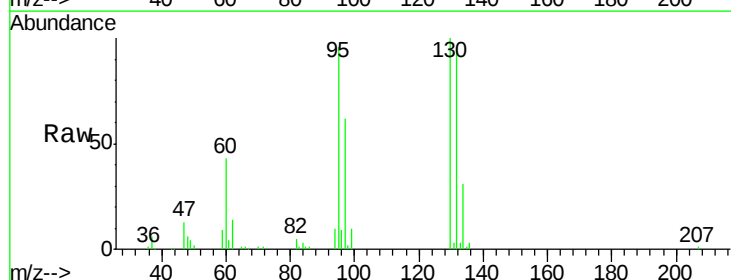
Manual Integrations
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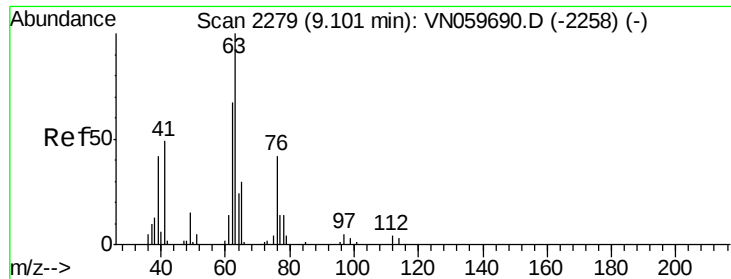
MMDadoda
1/15/2020 10:55:20 AM



#44
Trichloroethene
Concen: 52.637 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	207.0





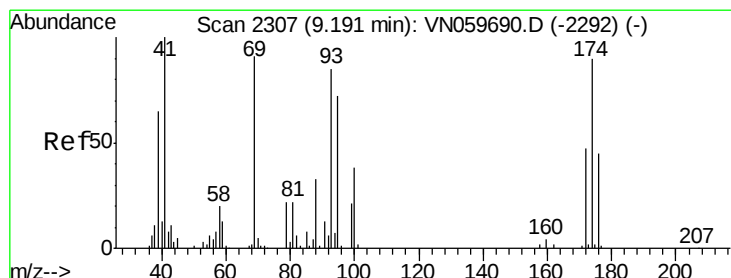
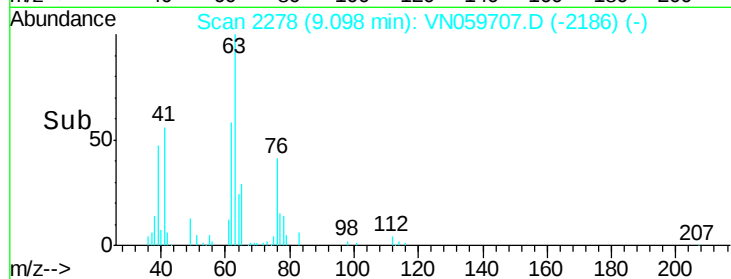
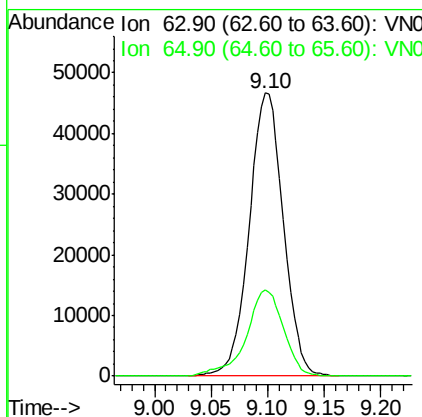
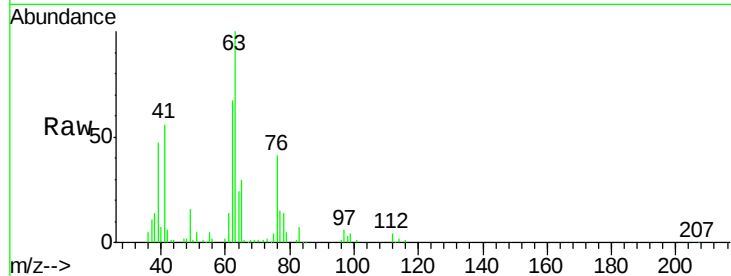
#45
 1,2-Dichloropropane
 Concen: 51.479 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 97969
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.9 37.3

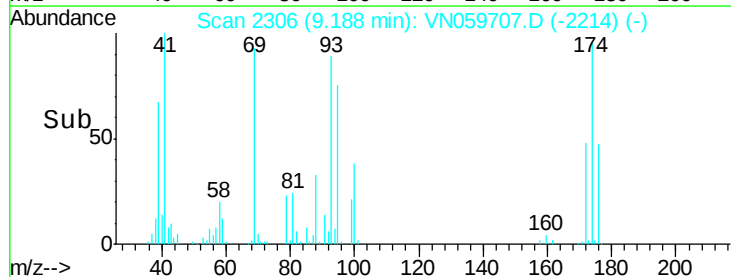
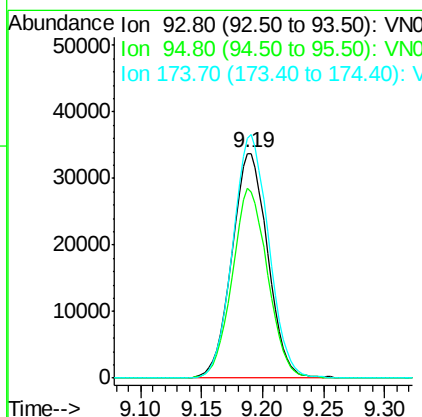
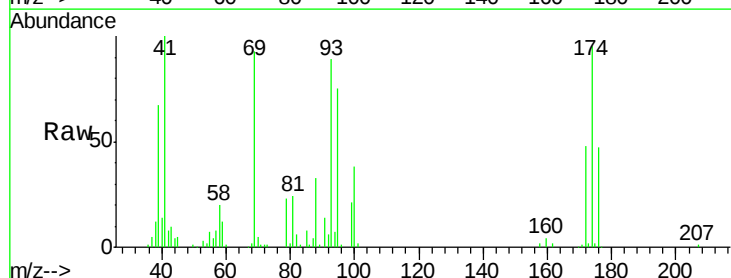
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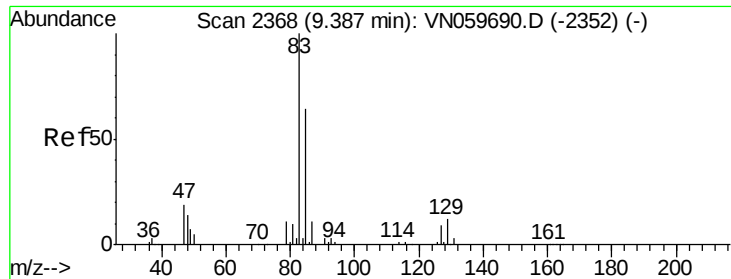
MMDadoda
 1/15/2020 10:55:20 AM



#46
 Dibromomethane
 Concen: 51.310 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion: 93 Resp: 68881
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.6
 174 108.6 73.4 110.2





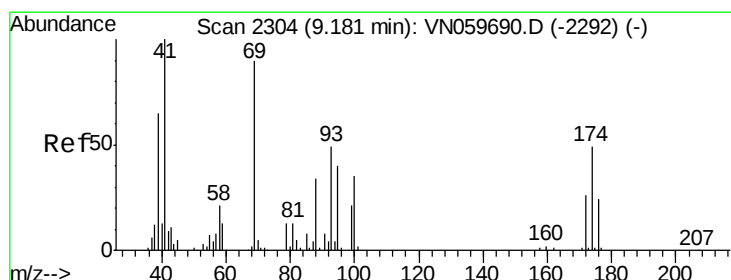
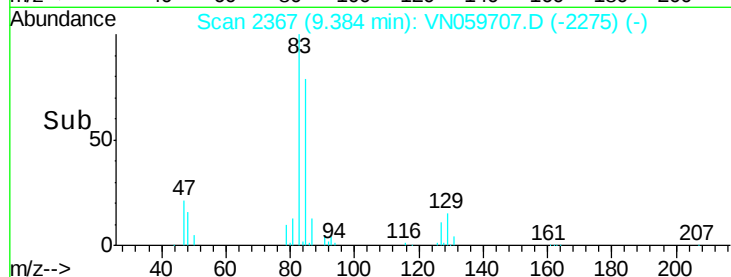
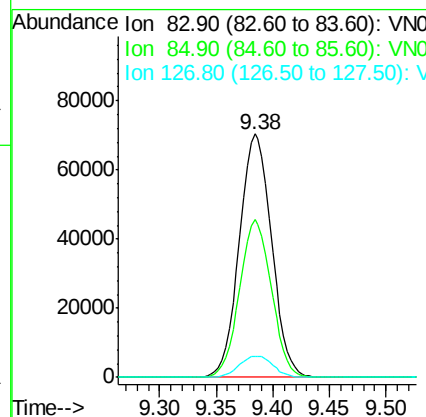
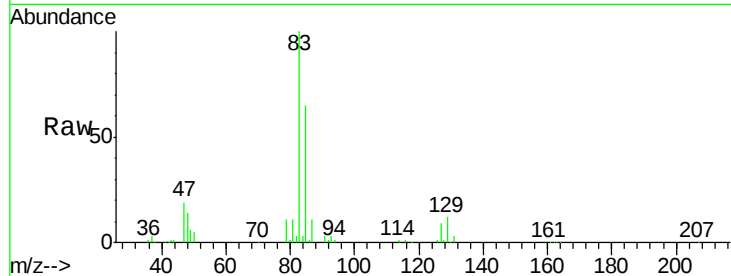
#47
Bromodichloromethane
Concen: 51.871 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	8.8	6.6	9.8

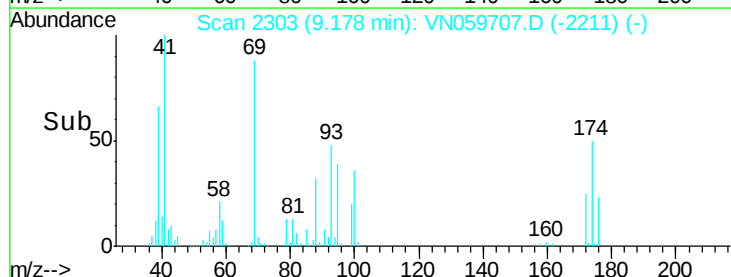
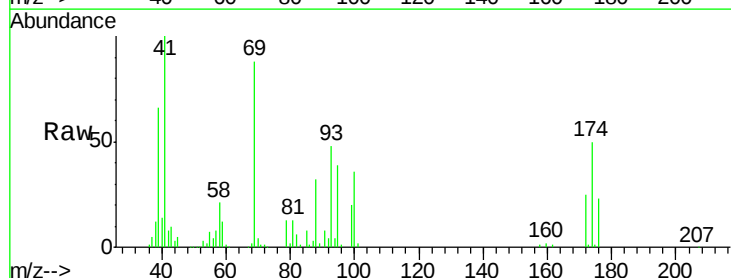
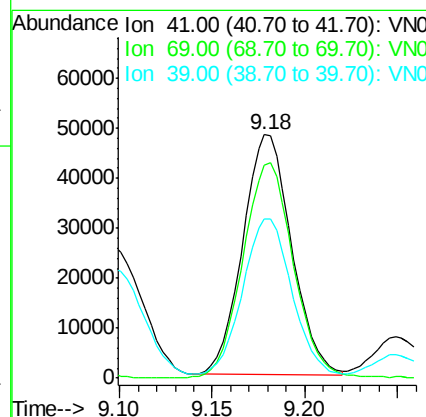
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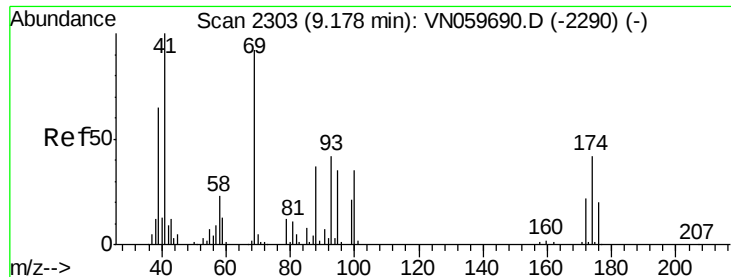
MMDadoda
1/15/2020 10:55:20 AM



#48
Methyl methacrylate
Concen: 47.513 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.2	64.4	96.6
39	67.7	51.3	76.9





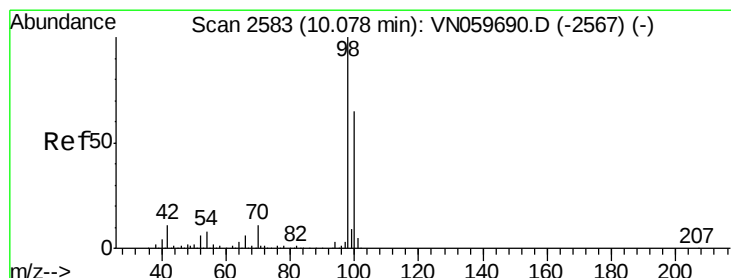
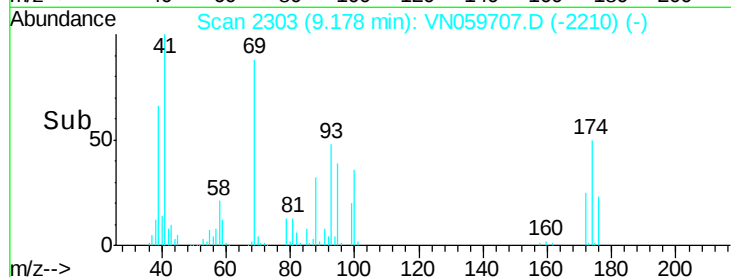
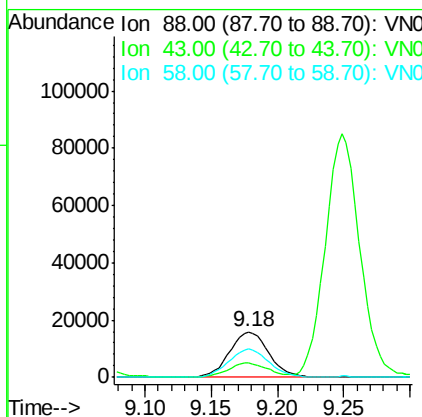
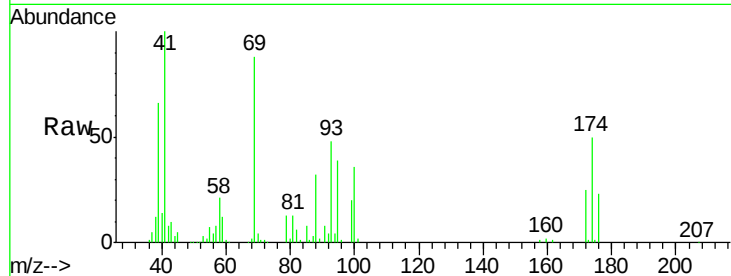
#49
1,4-Dioxane
Concen: 957.106 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	29.7	44.5#
58	63.5	56.6	85.0

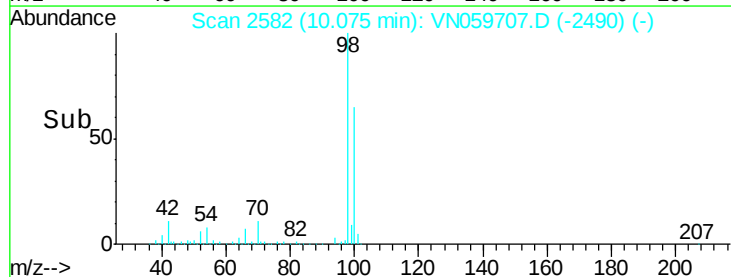
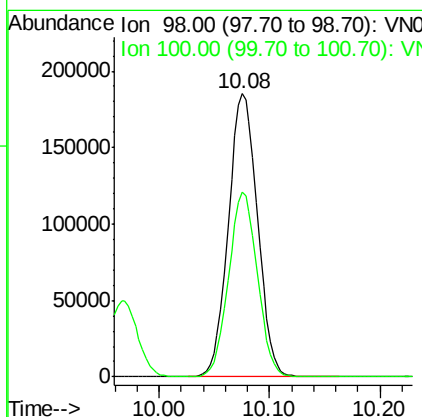
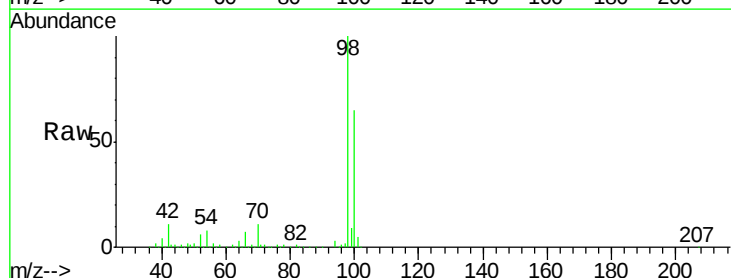
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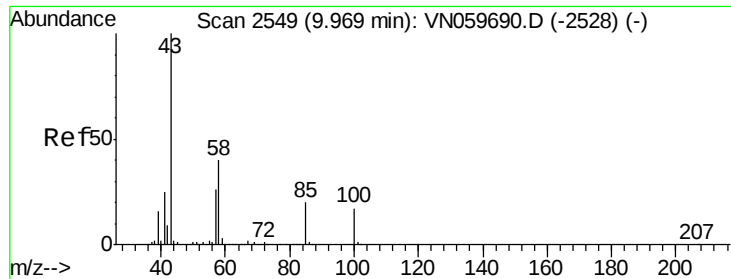
MMDadoda
1/15/2020 10:55:20 AM



#50
Toluene-d8
Concen: 49.579 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





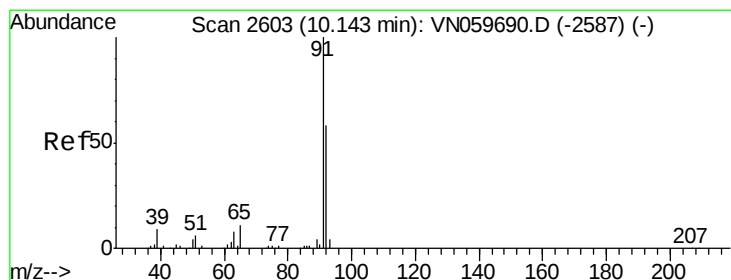
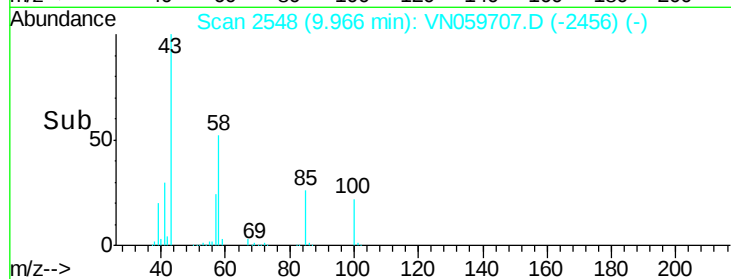
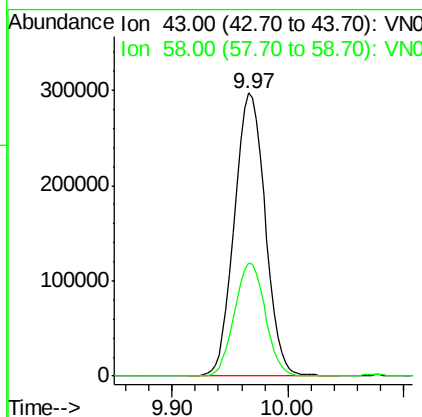
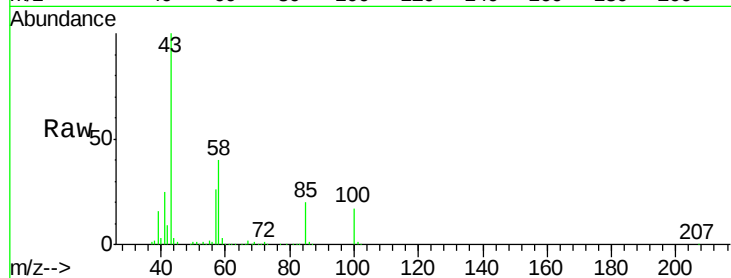
#51
4-Methyl-2-Pentanone
Concen: 227.151 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	29.8	44.8

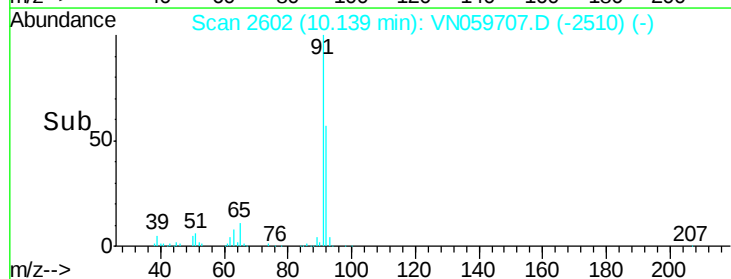
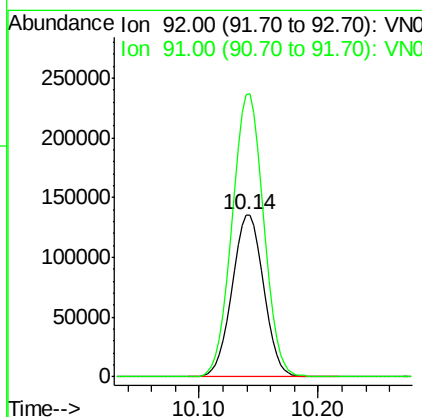
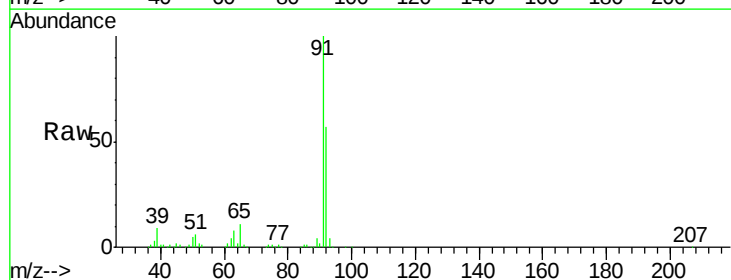
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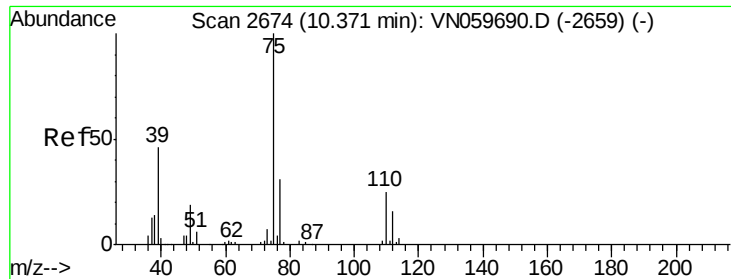
MMDadoda
1/15/2020 10:55:20 AM



#52
Toluene
Concen: 51.309 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.6	140.4	210.6





#53

t-1,3-Dichloropropene

Concen: 51.959 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 156951

Ion Ratio Lower Upper

75 100

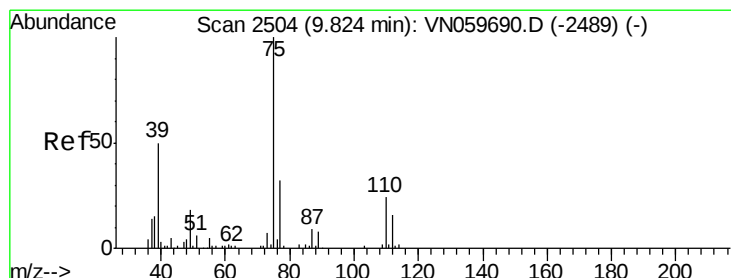
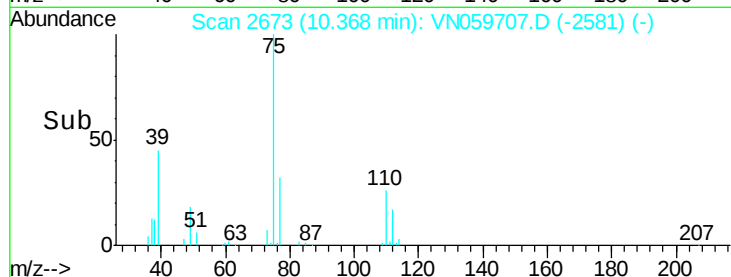
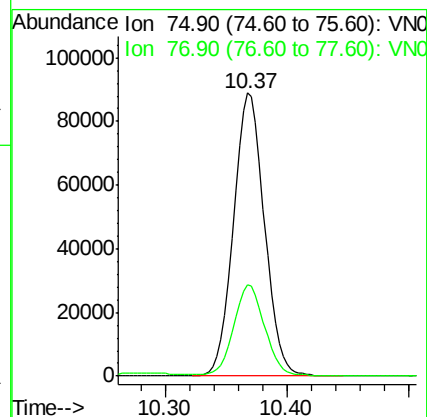
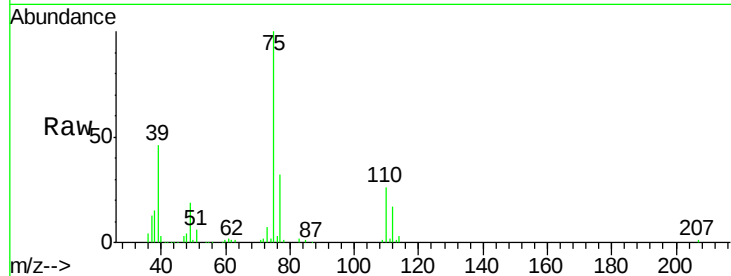
77 31.8 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.979 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

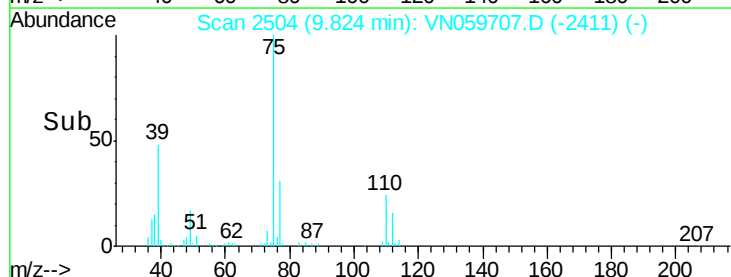
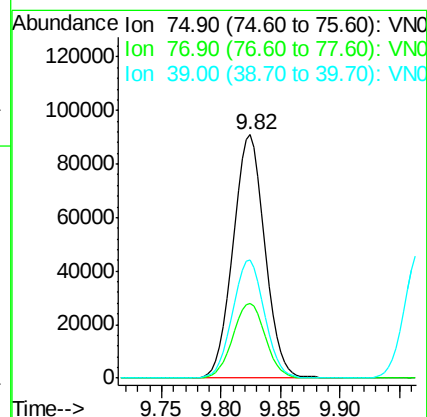
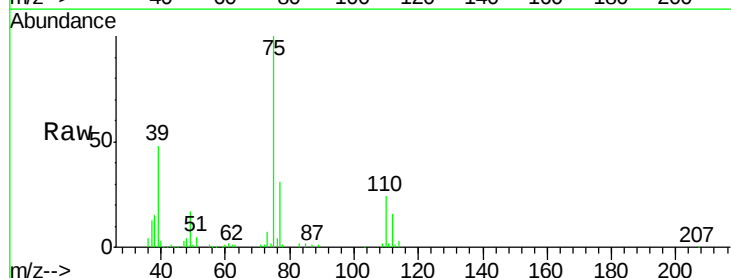
Tgt Ion: 75 Resp: 168384

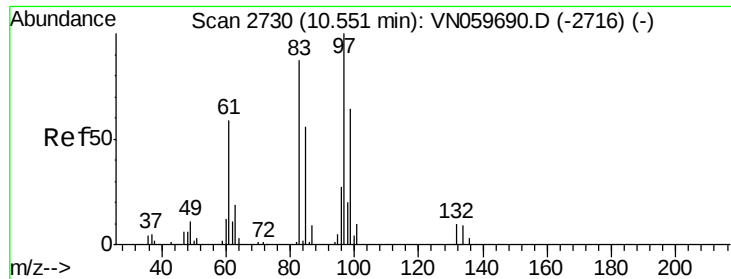
Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

39 48.4 46.1 69.1





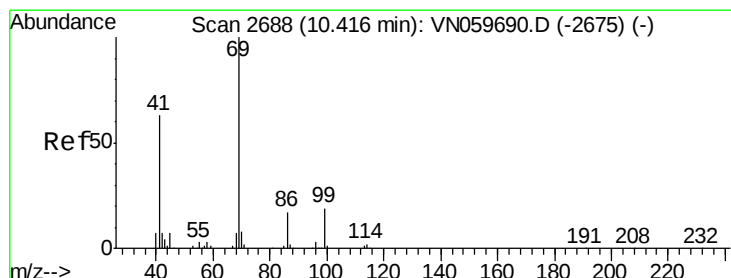
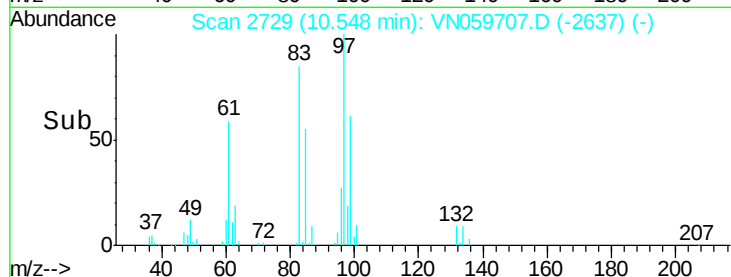
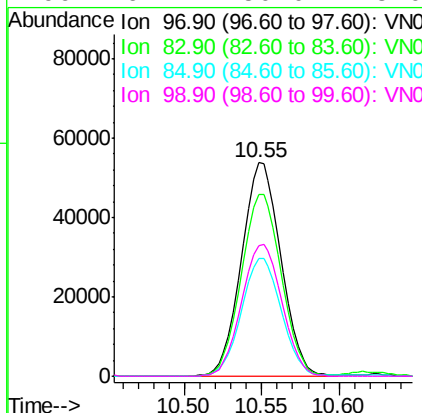
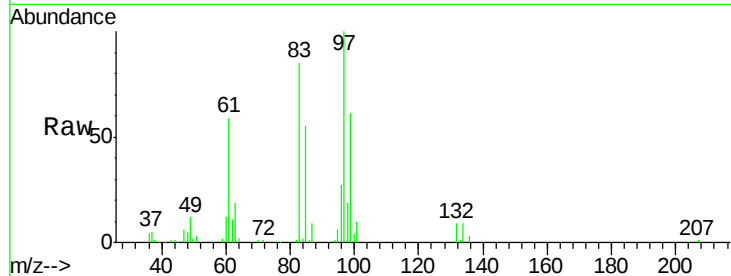
#55
 1,1,2-Trichloroethane
 Concen: 49.768 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	95754
Ion	Ratio	Lower	Upper
97	100		
83	84.8	71.3	106.9
85	55.0	45.8	68.8
99	61.4	50.0	75.0

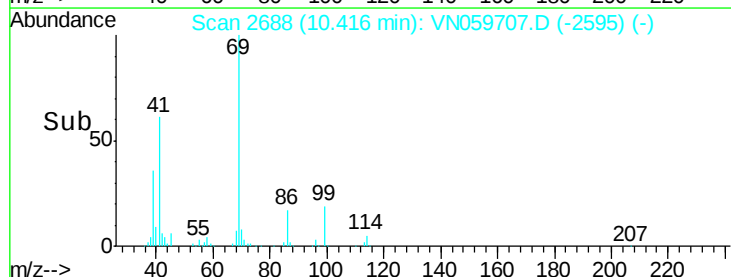
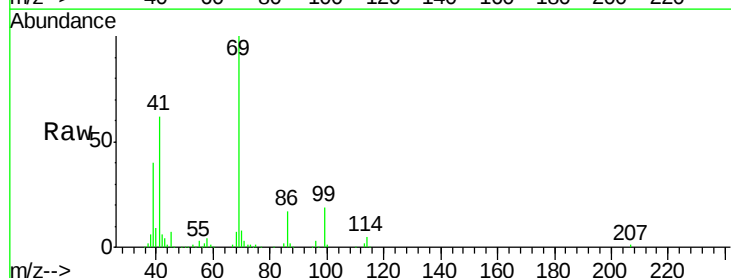
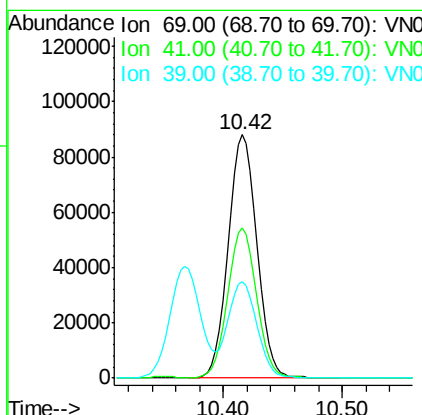
Manual Integrations
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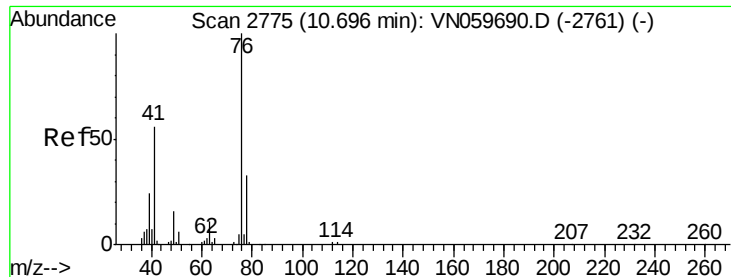
MMDadoda
 1/15/2020 10:55:20 AM



#56
 Ethyl methacrylate
 Concen: 50.054 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion:	69	Resp:	147152
Ion	Ratio	Lower	Upper
69	100		
41	61.6	57.1	85.7
39	40.1	34.7	52.1





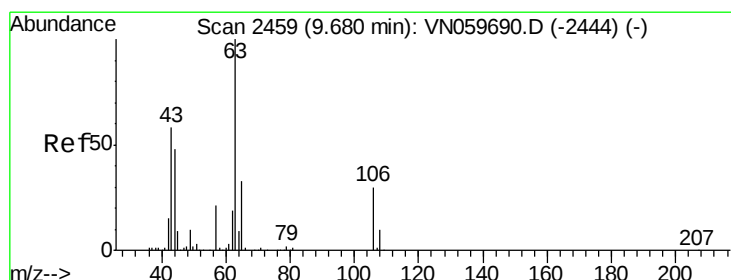
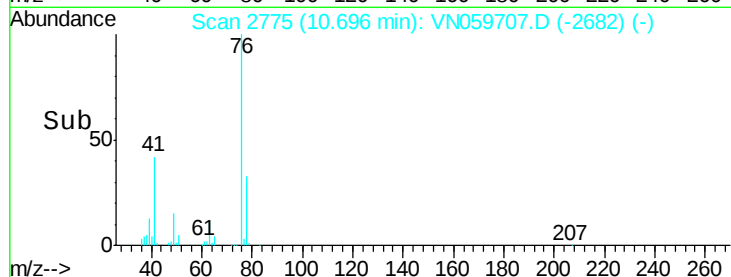
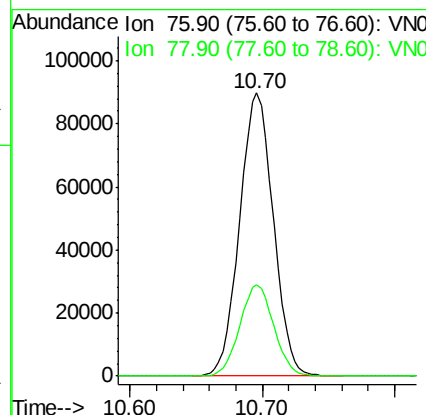
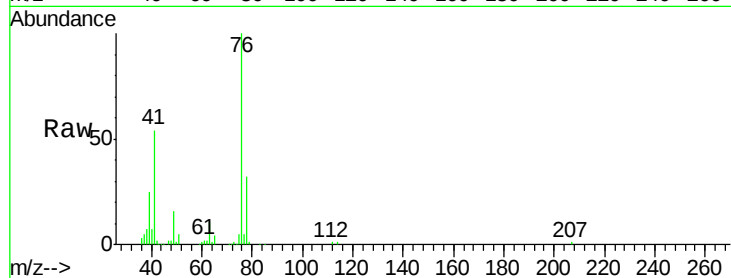
#57
 1,3-Dichloropropane
 Concen: 51.841 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

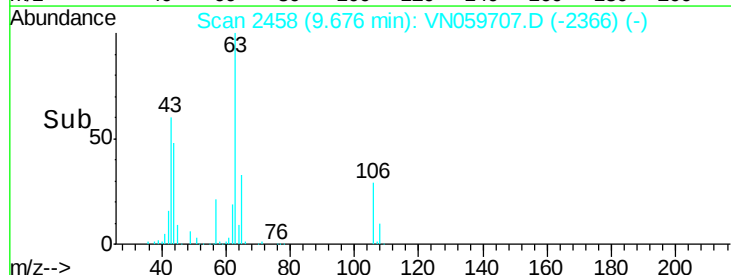
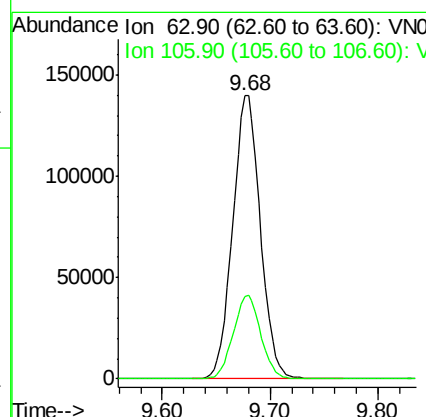
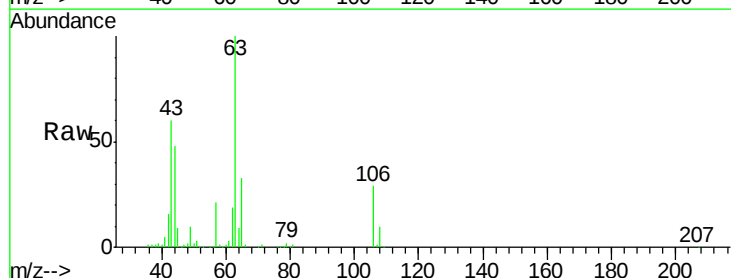
Manual Integrations
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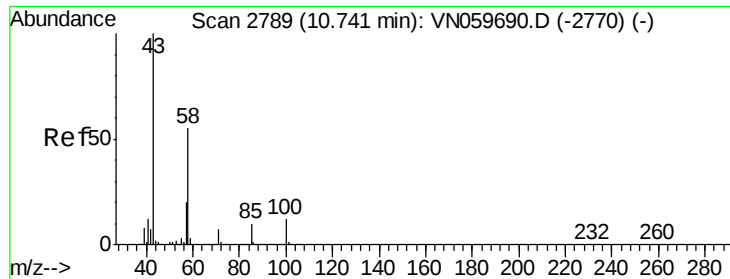
MMDadoda
 1/15/2020 10:55:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 282.004 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	20.2	30.2





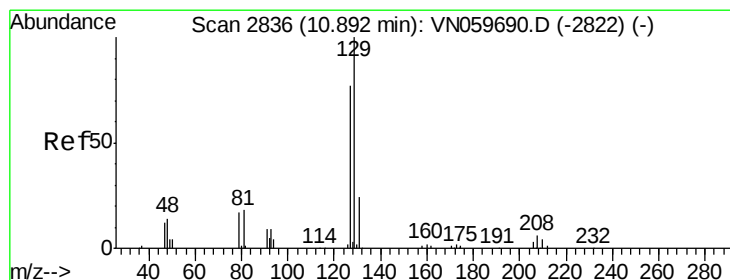
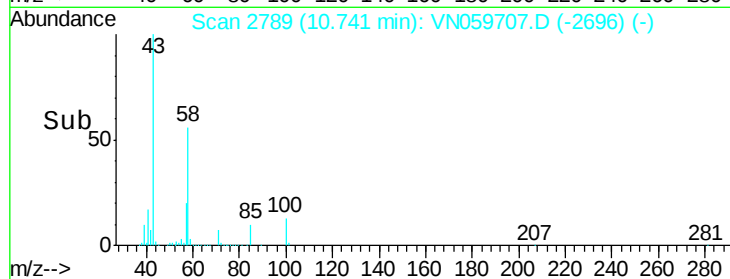
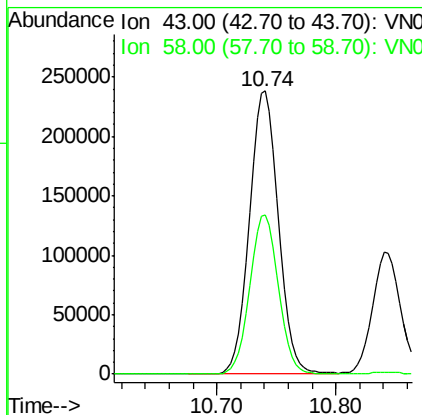
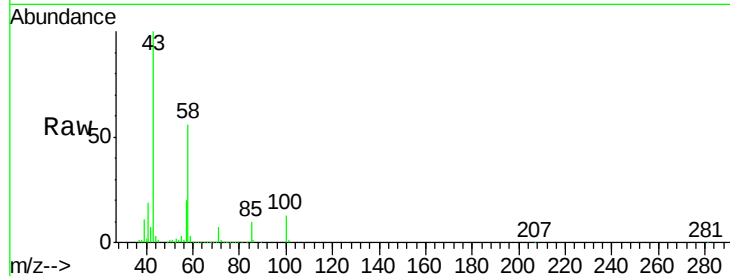
#59
2-Hexanone
Concen: 225.666 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 399807
Ion Ratio Lower Upper
43 100
58 55.9 25.8 77.3

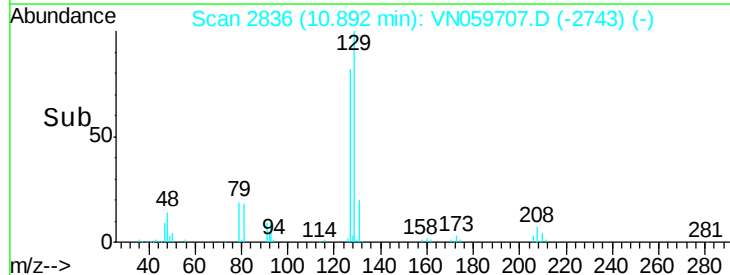
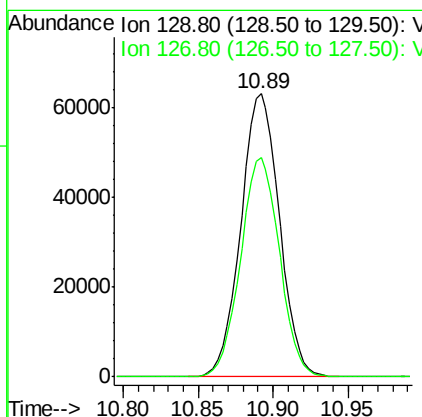
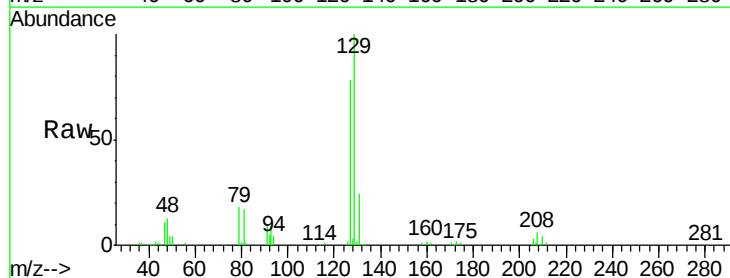
Manual Integrations
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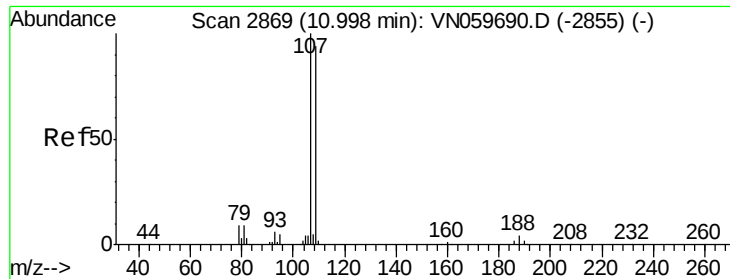
MMDadoda
1/15/2020 10:55:20 AM



#60
Dibromochloromethane
Concen: 51.870 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 129 Resp: 113646
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





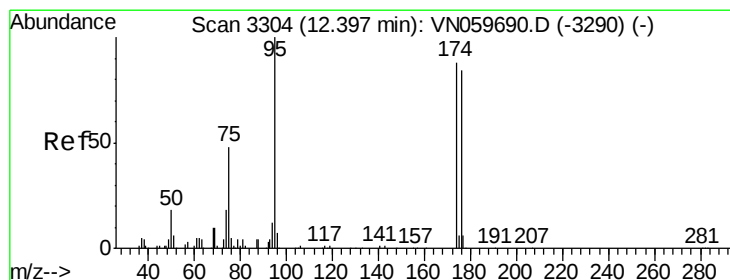
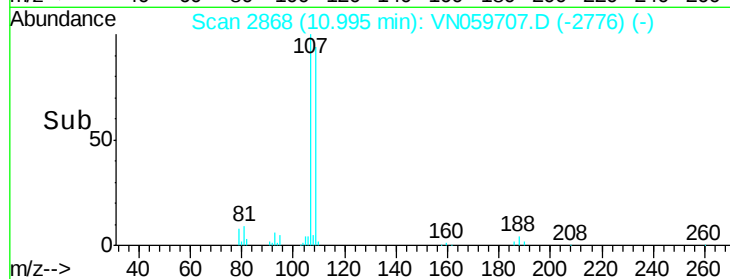
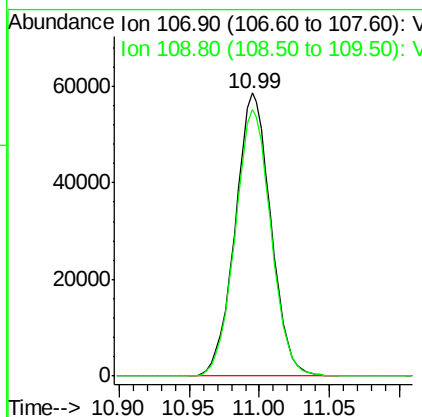
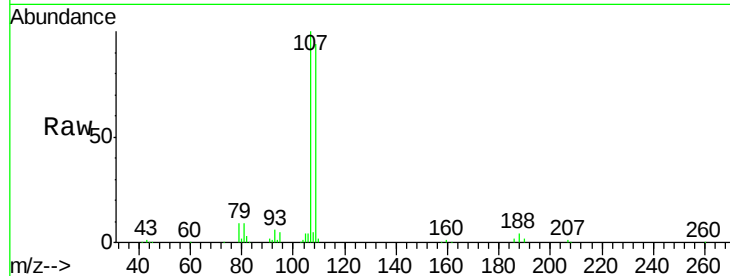
#61
 1,2-Dibromoethane
 Concen: 51.343 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.6	115.0

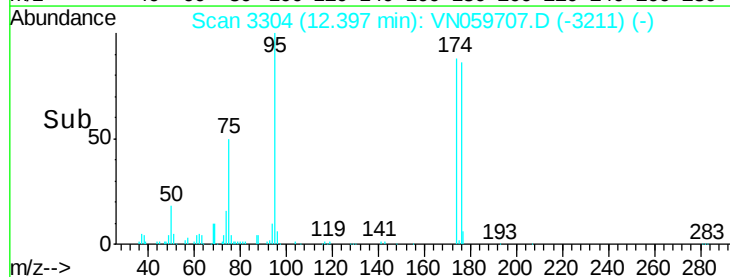
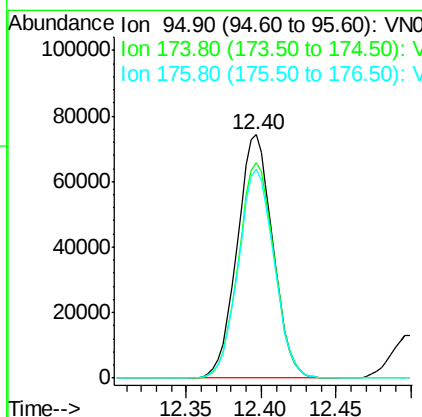
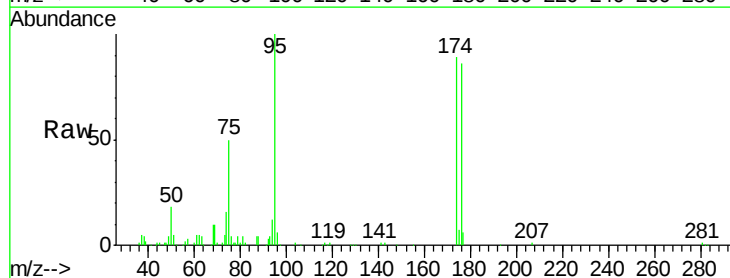
Manual Integrations
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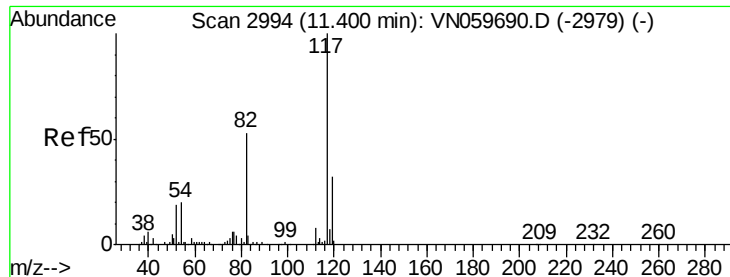
MMDadoda
 1/15/2020 10:55:20 AM



#62
 4-Bromofluorobenzene
 Concen: 49.943 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	151.4
176	86.1	0.0	146.0





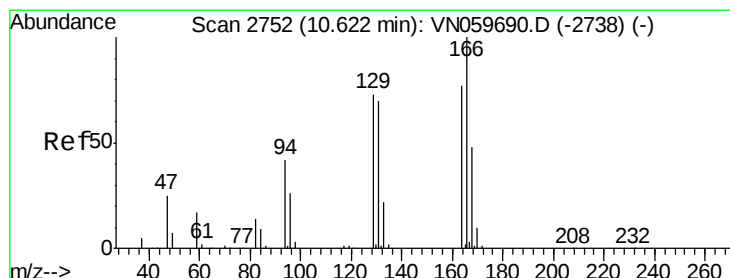
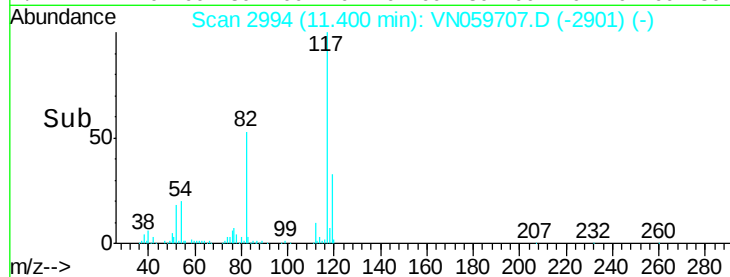
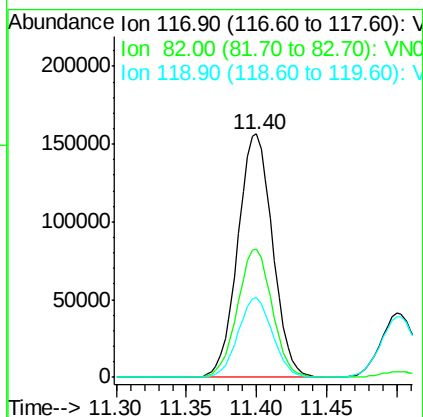
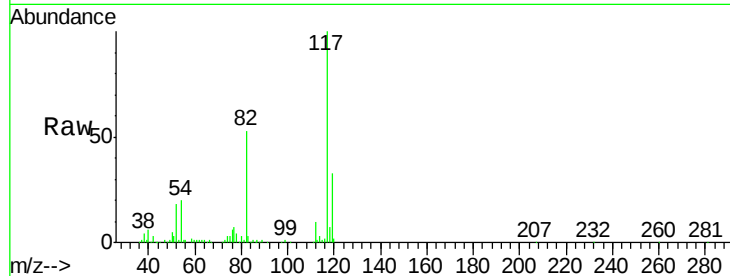
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	45.9	68.9
119	32.6	25.5	38.3

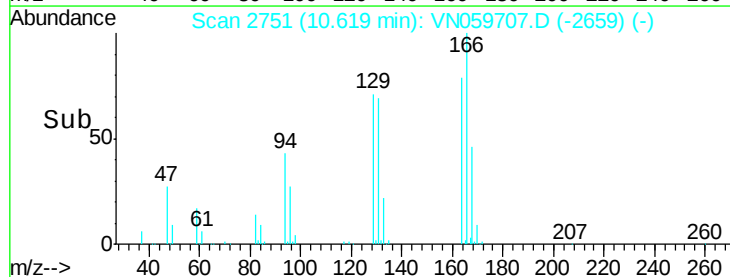
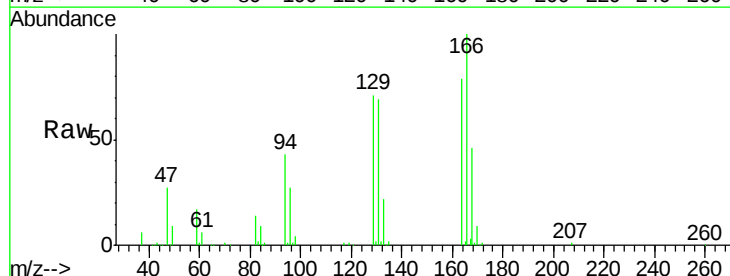
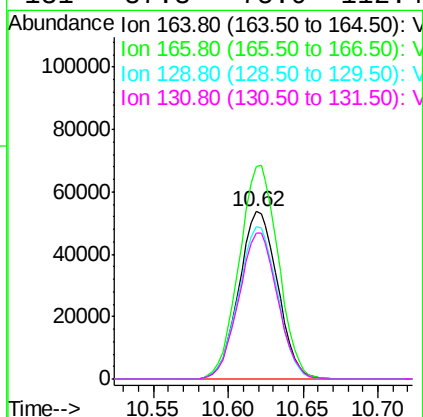
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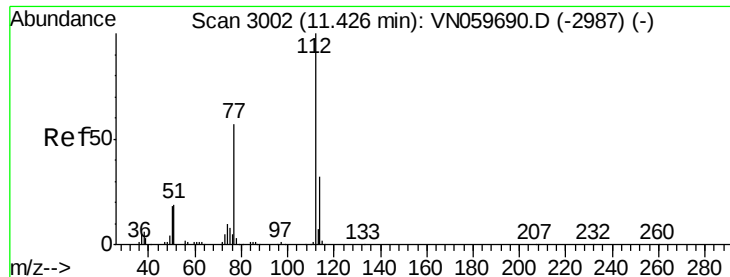
MMDadoda
1/15/2020 10:55:20 AM



#64
Tetrachloroethene
Concen: 43.810 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.4	152.0
129	90.8	80.2	120.4
131	87.3	75.0	112.4





#65

Chlorobenzene

Concen: 51.463 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 273588

Ion Ratio Lower Upper

112 100

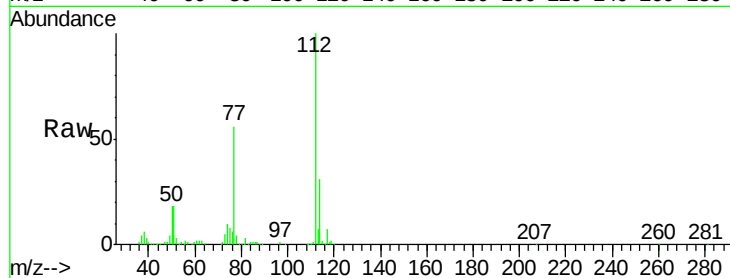
114 31.3 25.8 38.8

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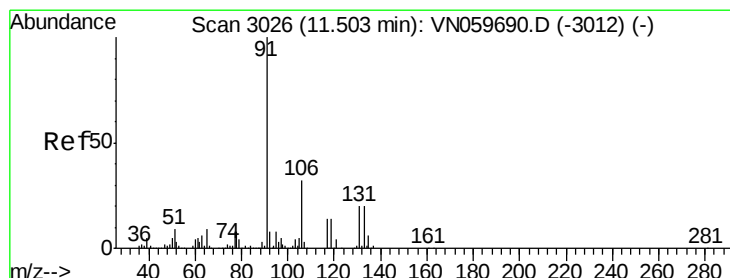
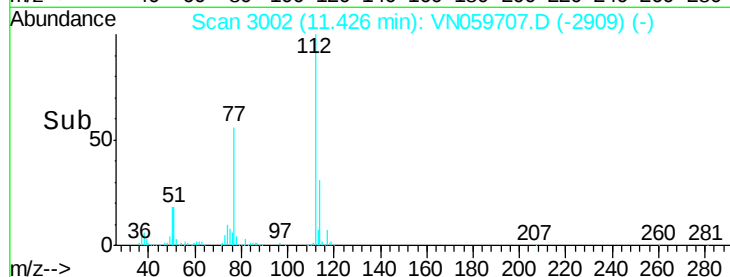
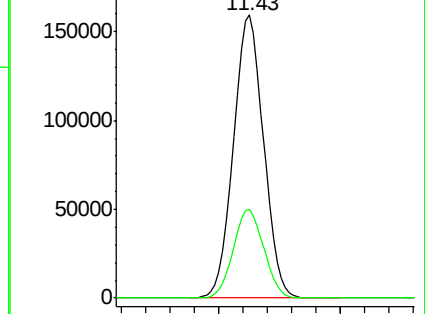
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.217 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

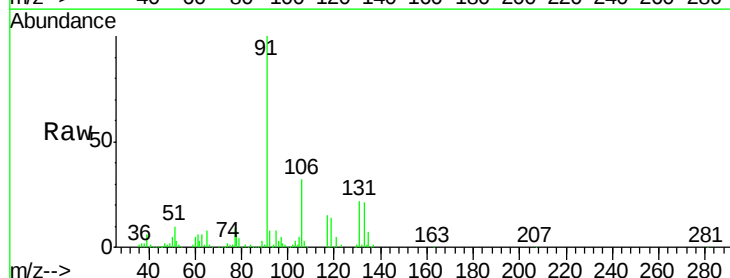
Tgt Ion:131 Resp: 105208

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.2

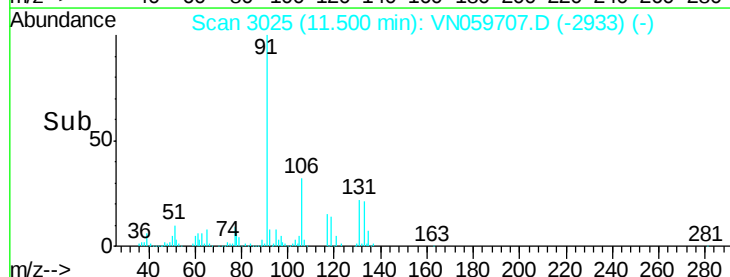
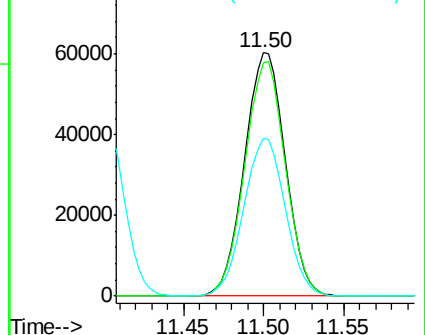
119 65.7 33.1 99.3

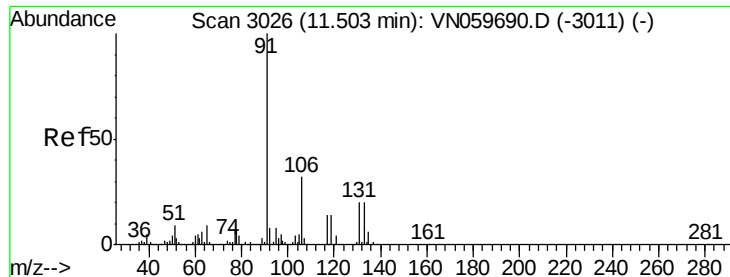


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.830 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 490538

Ion Ratio Lower Upper

91 100

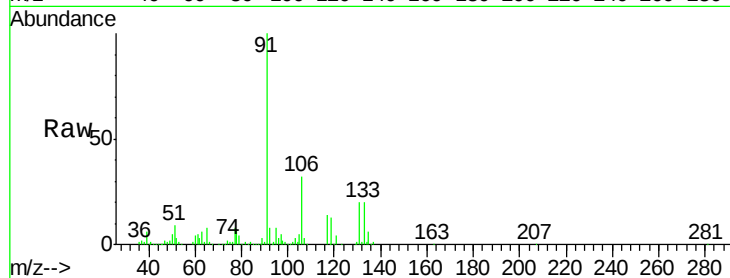
106 31.9 24.1 36.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059707.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN059707.D (-2933) (-)

400000

300000

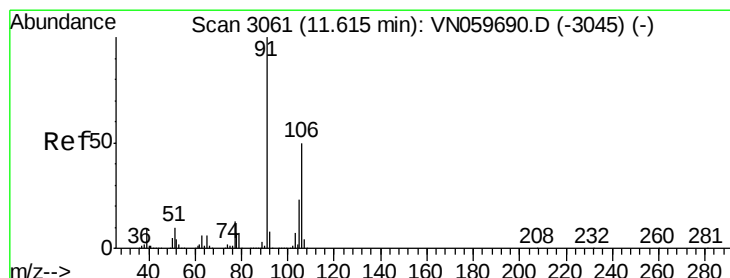
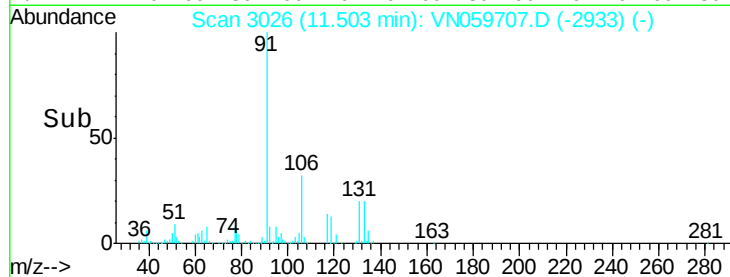
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 103.242 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN059707.D

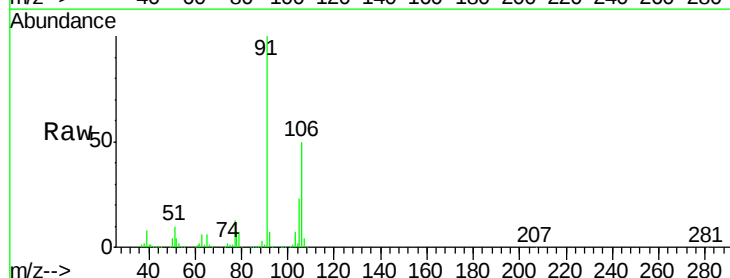
Acq: 14 Jan 2020 16:15

Tgt Ion: 106 Resp: 376359

Ion Ratio Lower Upper

106 100

91 200.2 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059707.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN059707.D (-2968) (-)

400000

300000

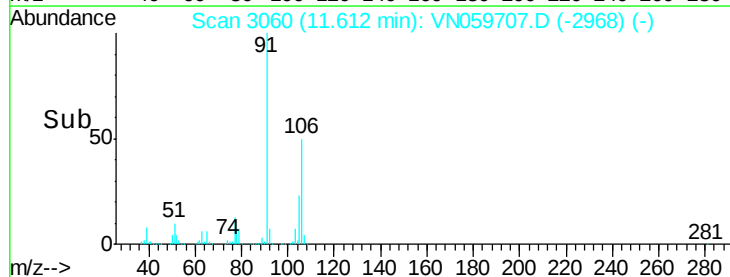
200000

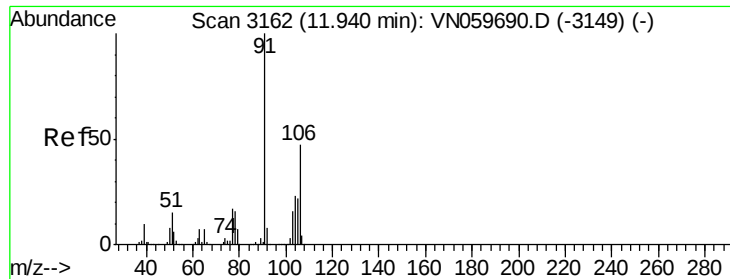
100000

0

11.50 11.60 11.70

Time-->





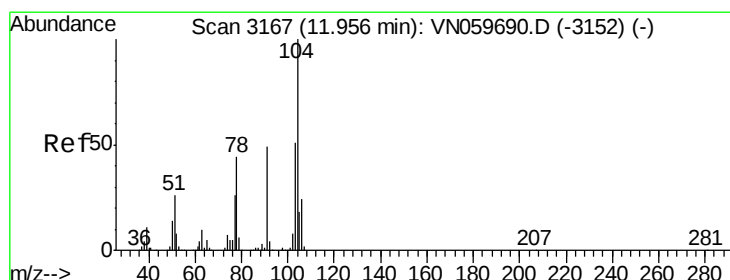
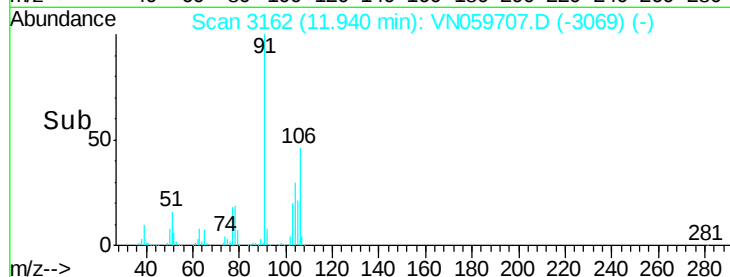
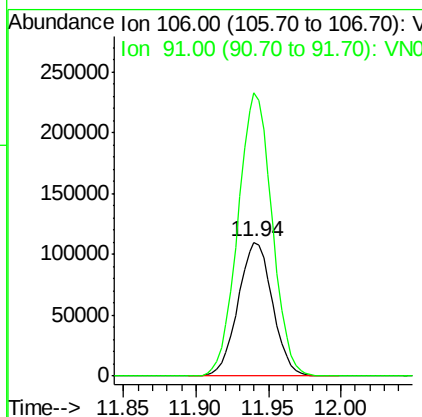
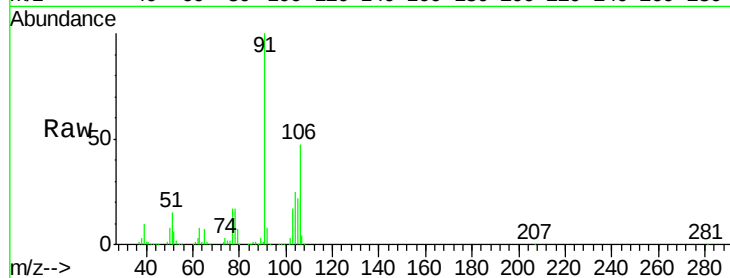
#69
o-Xylene
Concen: 50.743 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		181096		
91	210.6	110.3	330.9		

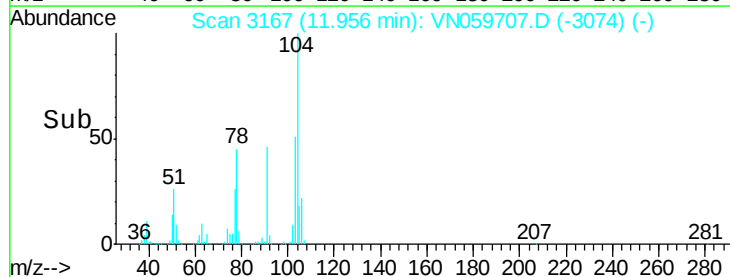
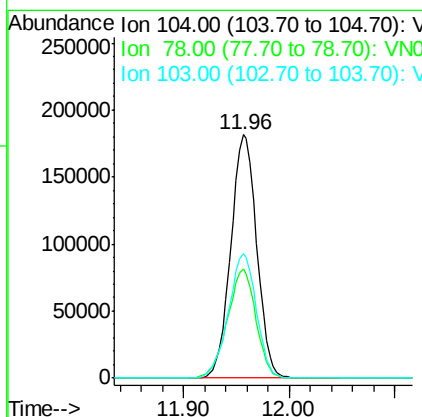
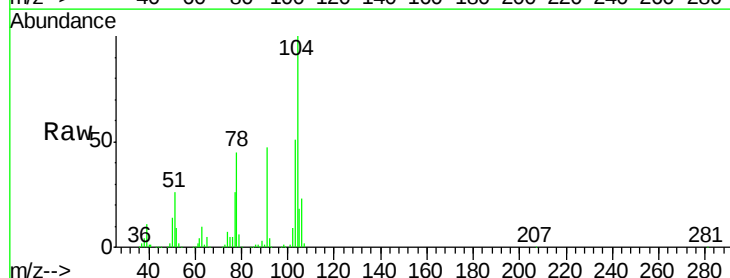
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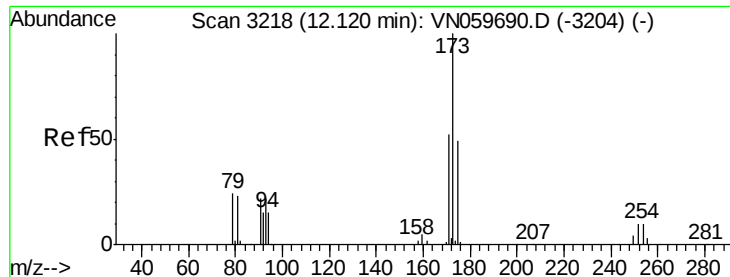
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#70
Styrene
Concen: 51.635 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		308360		
78	49.1	42.4	63.6		
103	55.1	43.9	65.9		





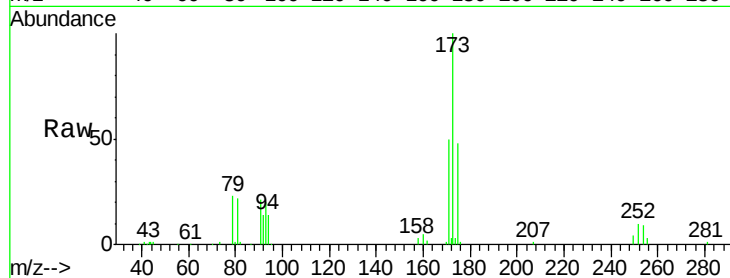
#71
Bromoform
Concen: 52.114 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

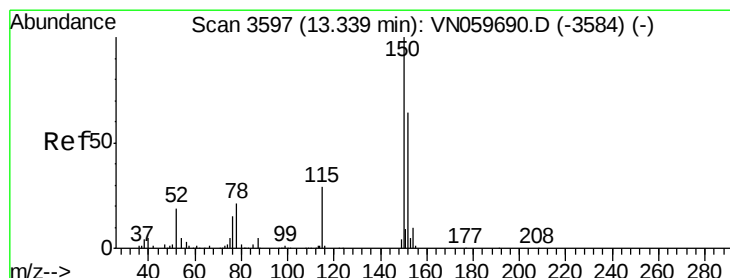
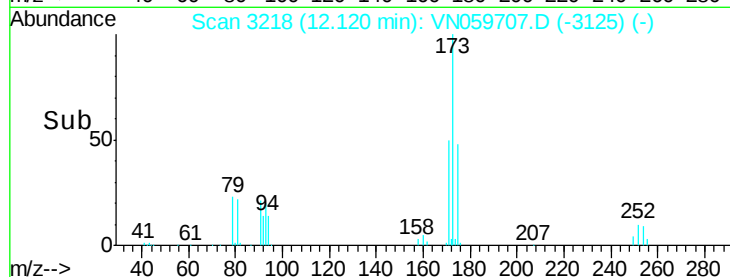
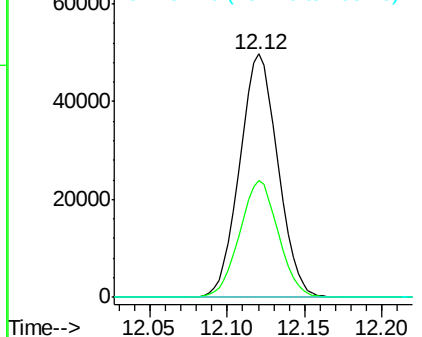
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.4
254	0.0	0.0	0.0

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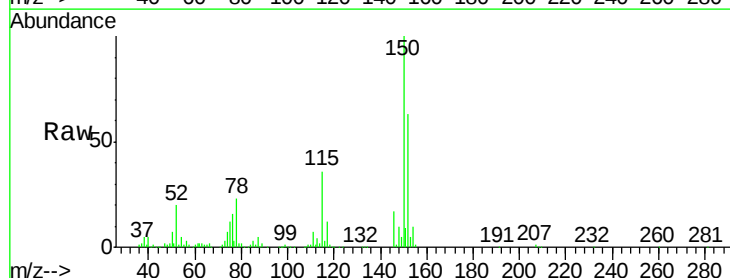


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

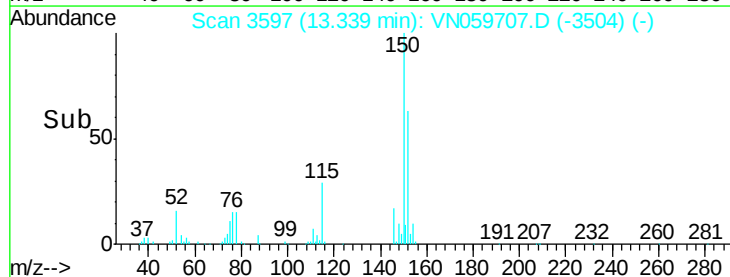
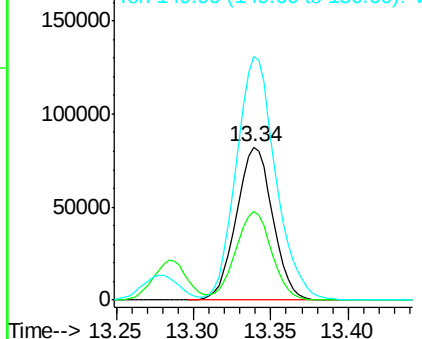


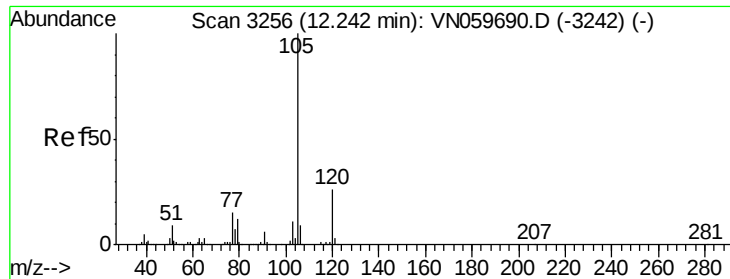
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	30.3	90.9
150	173.2	0.0	345.2



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





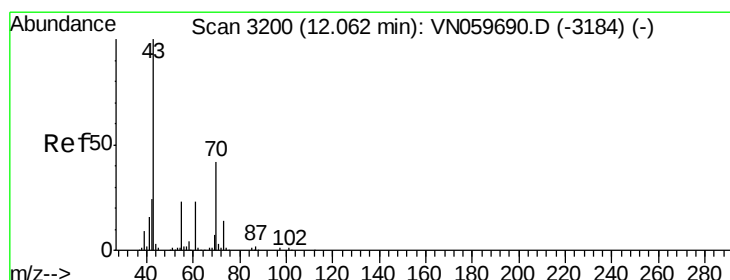
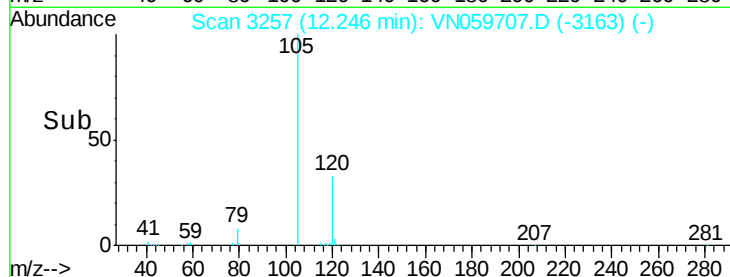
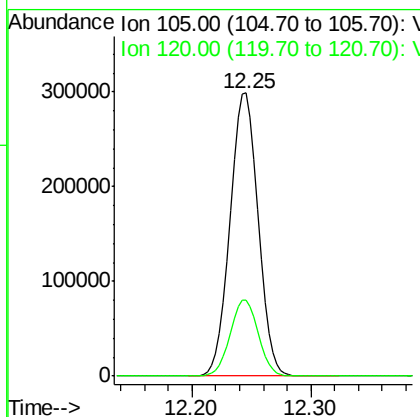
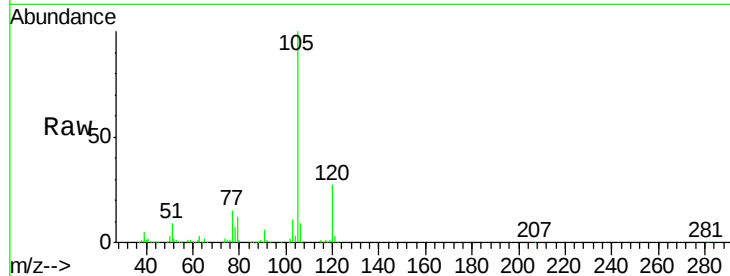
#73
Isopropylbenzene
Concen: 49.863 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.2	39.5

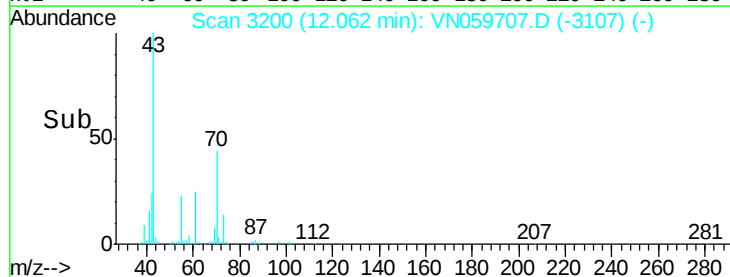
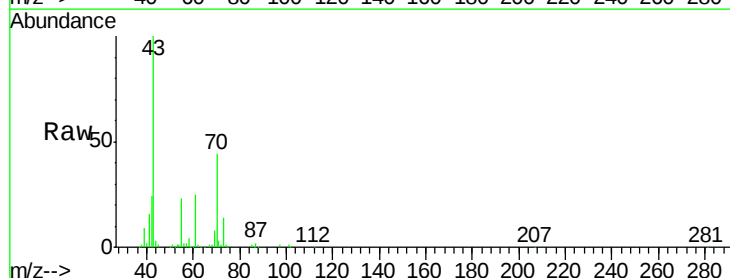
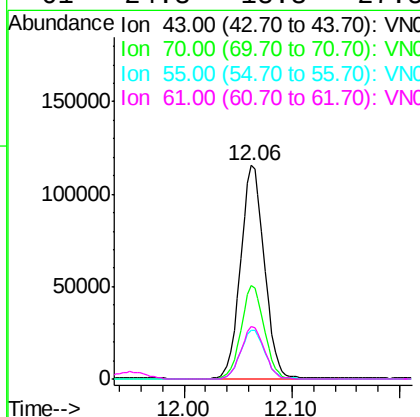
Manual Integrations
APPROVED

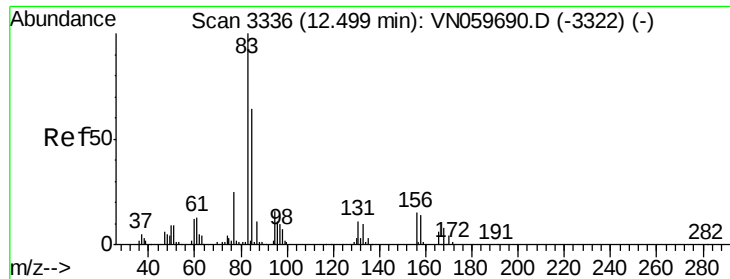
MMDadoda
1/15/2020 10:55:20 AM



#74
N-ethyl acetate
Concen: 46.462 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.0	31.3	46.9
55	23.7	19.8	29.6
61	24.3	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.607 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 135415
Ion Ratio Lower Upper

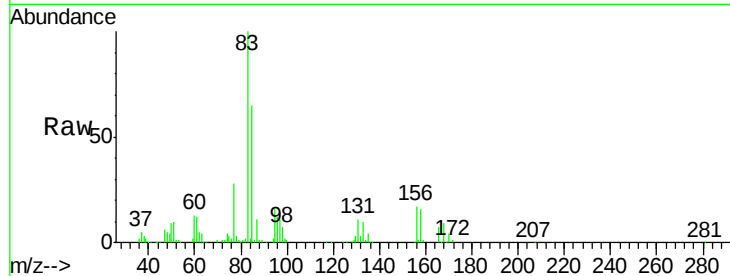
83 100

131 11.4 5.0 14.9

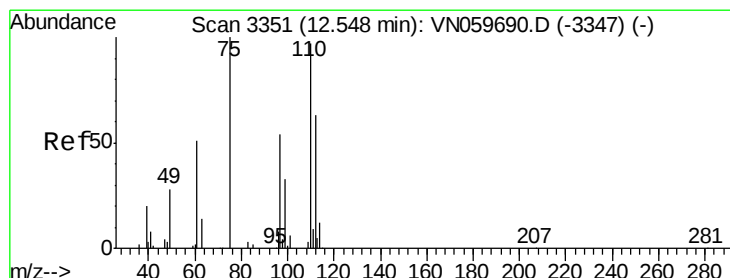
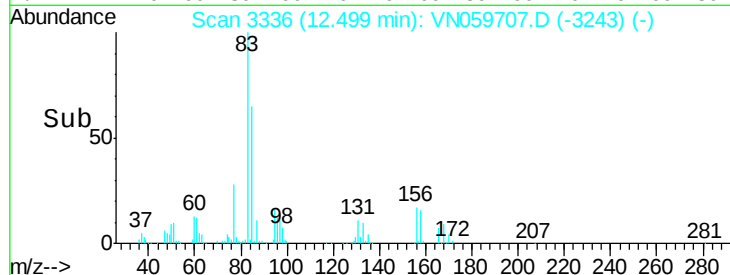
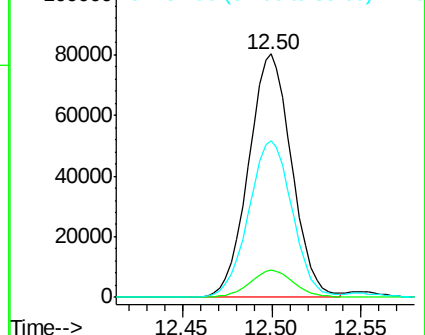
85 64.9 31.9 95.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059707.D (-3243) (-)
Ion 130.80 (130.50 to 131.50): VN059707.D (-3243) (-)
Ion 84.90 (84.60 to 85.60): VN059707.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 57.166 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

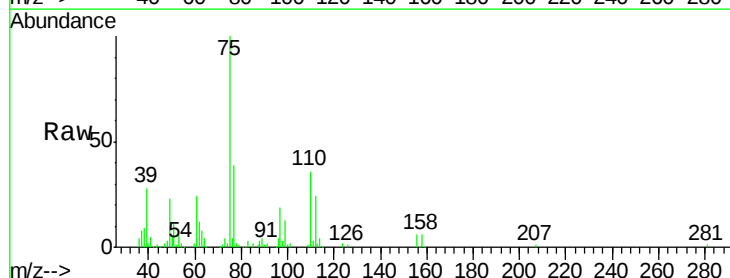
Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

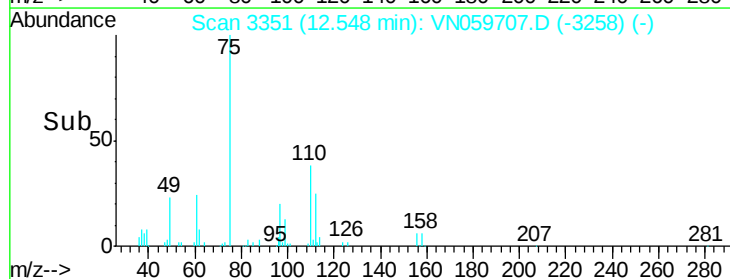
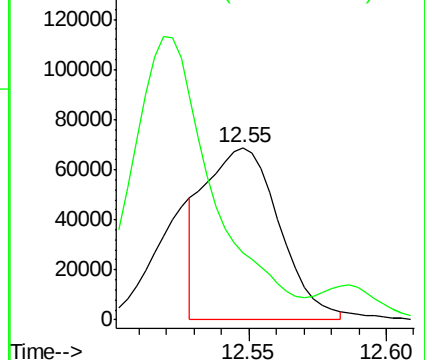
Tgt Ion: 75 Resp: 128708
Ion Ratio Lower Upper

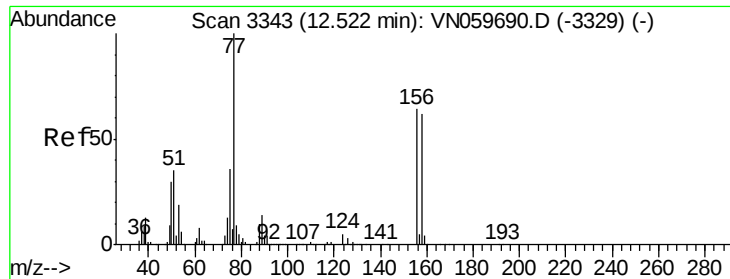
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059707.D (-3258) (-)
Ion 77.00 (76.70 to 77.70): VN059707.D (-3258) (-)





#77

Bromobenzene

Concen: 49.991 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

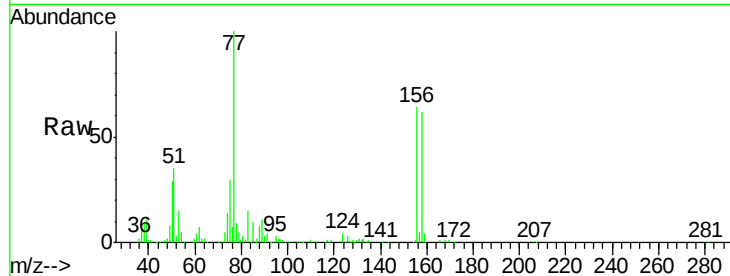
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	124214
Ion Ratio	Lower	Upper	
156	100		
77	186.7	115.8	347.4
158	97.5	49.2	147.6

Manual Integrations
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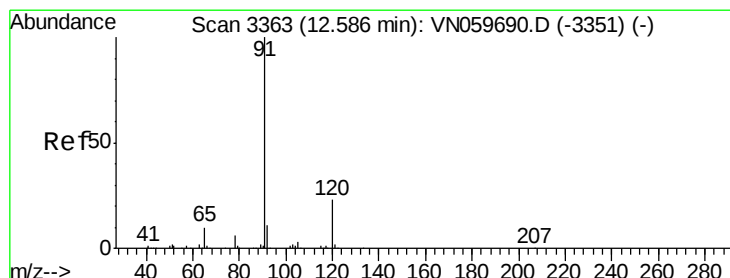
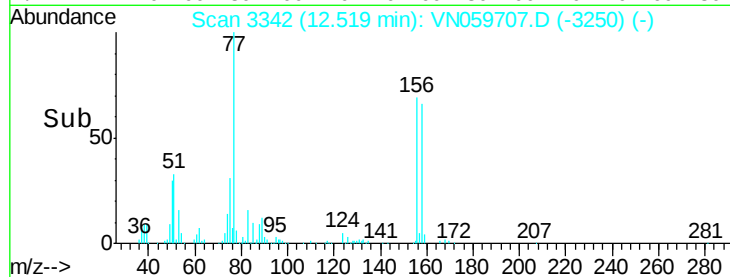
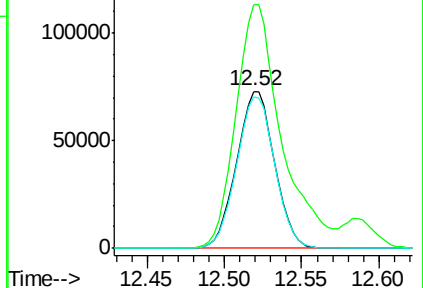
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.725 ug/l

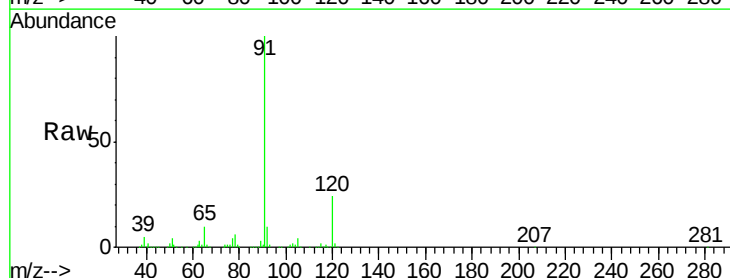
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059707.D

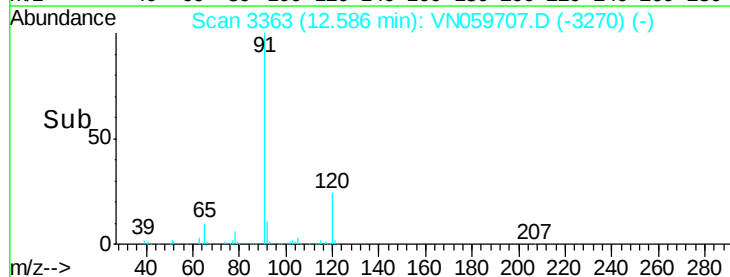
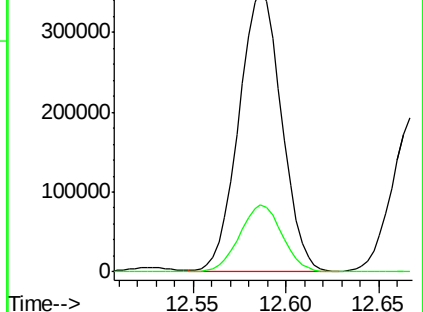
Acq: 14 Jan 2020 16:15

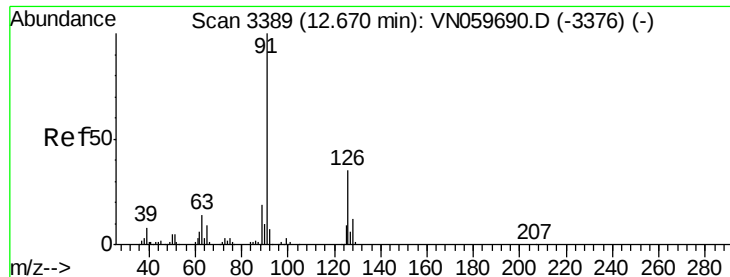
Tgt Ion:	91	Resp:	558618
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.256 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 322696

Ion Ratio Lower Upper

91 100

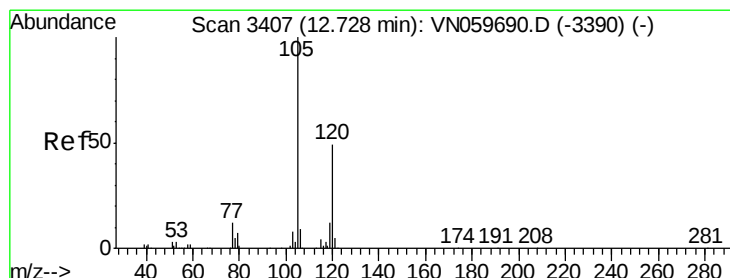
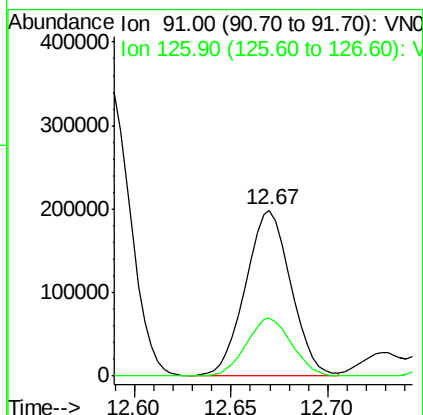
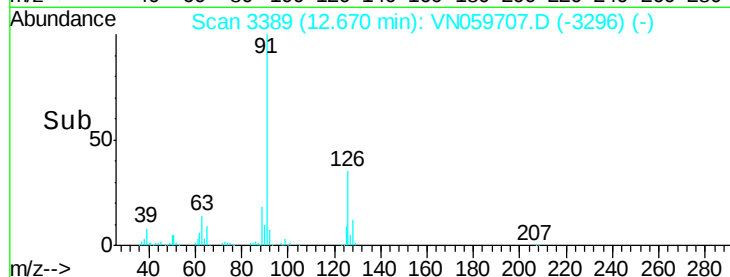
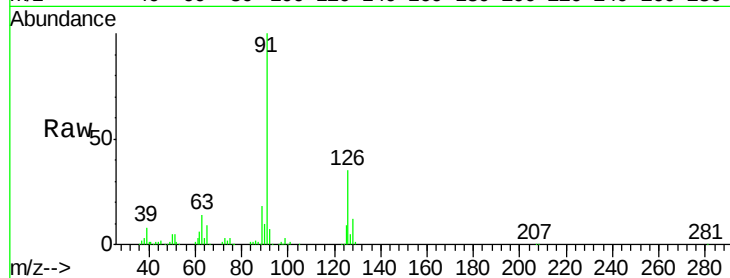
126 35.6 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 50.028 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059707.D

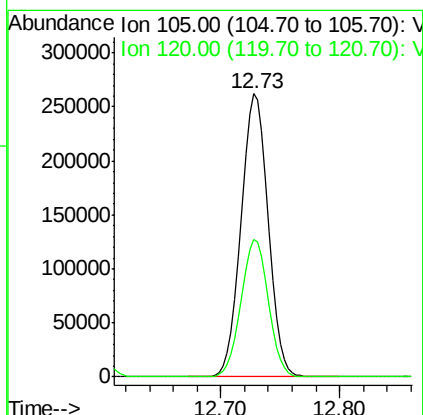
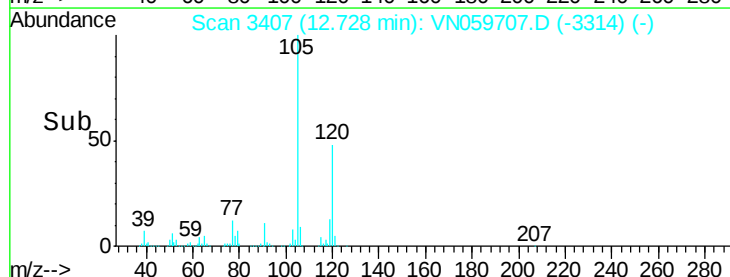
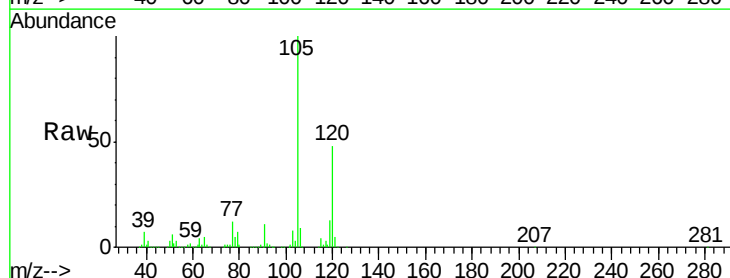
Acq: 14 Jan 2020 16:15

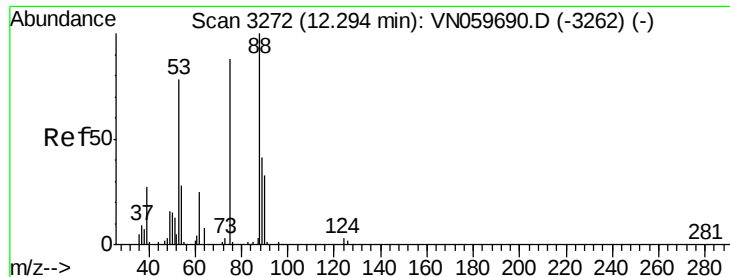
Tgt Ion: 105 Resp: 412815

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.365 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 49658

Ion Ratio Lower Upper

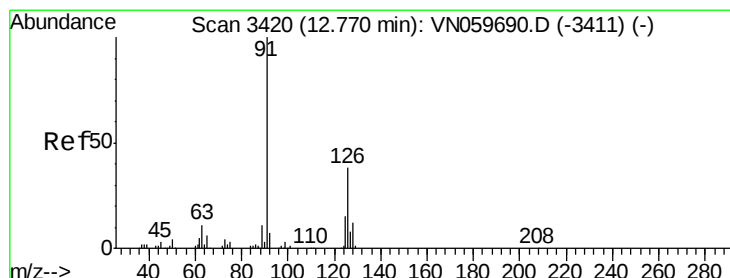
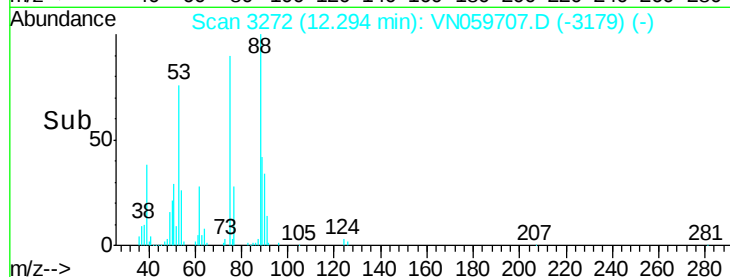
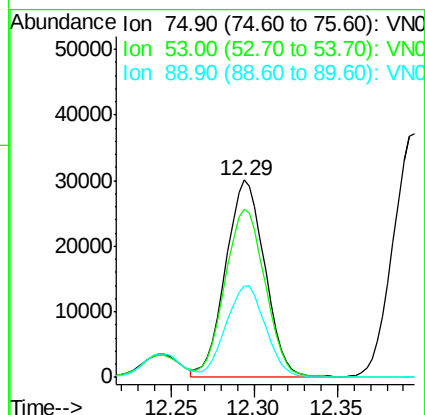
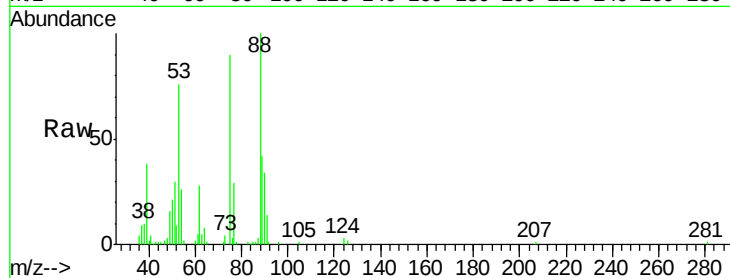
75 100

53 87.3 78.1 117.1

89 46.7 35.4 53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.747 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059707.D

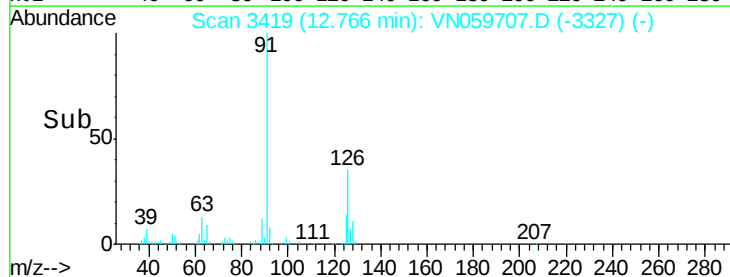
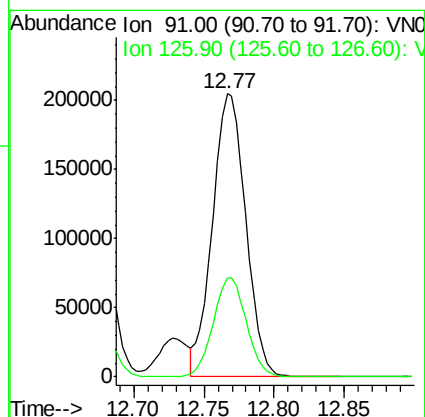
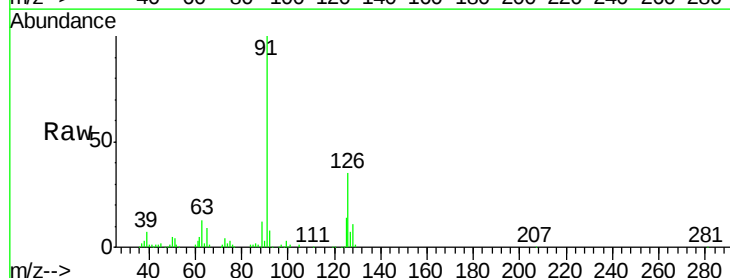
Acq: 14 Jan 2020 16:15

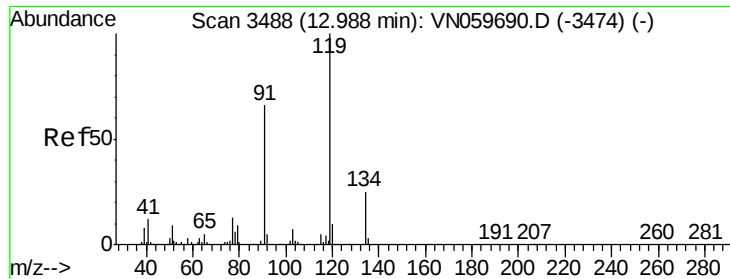
Tgt Ion: 91 Resp: 333468

Ion Ratio Lower Upper

91 100

126 34.9 16.3 48.8





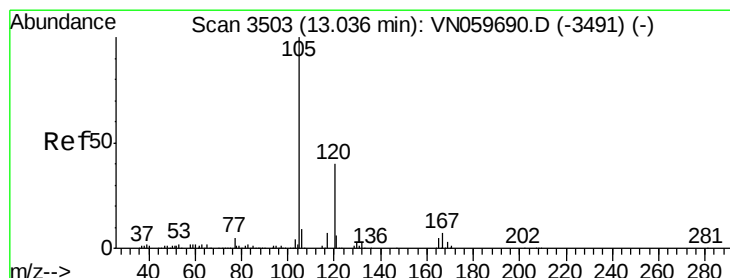
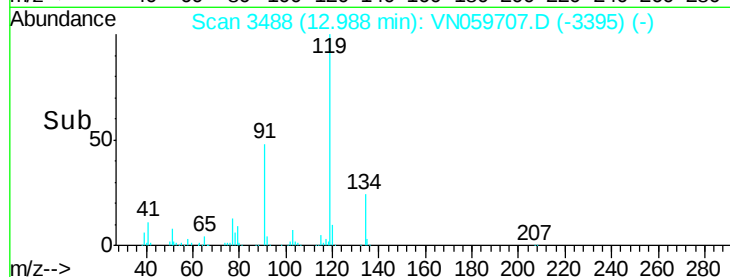
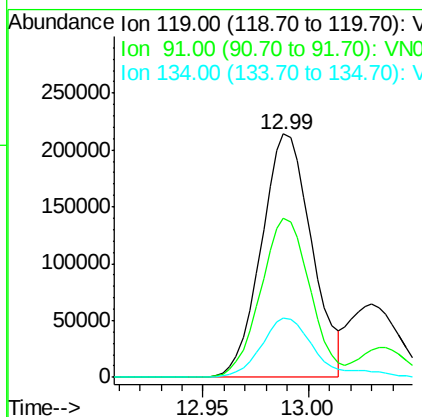
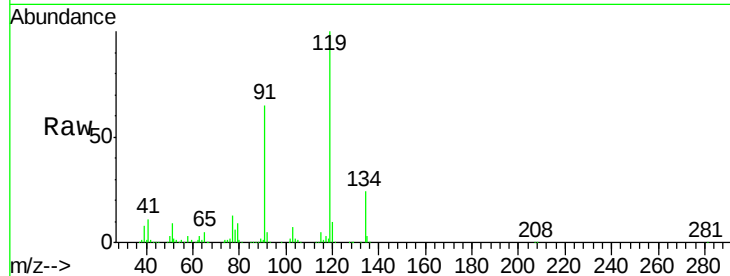
#83
tert-Butylbenzene
Concen: 49.862 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	34.8	104.4
134	26.2	12.3	36.9

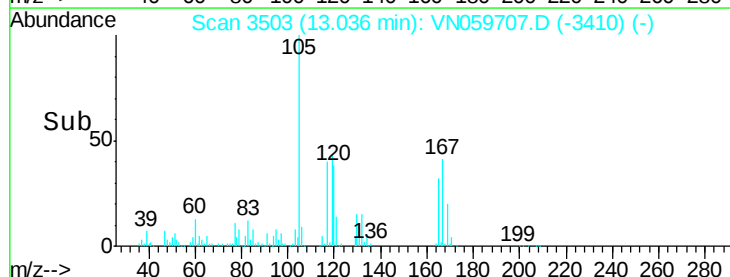
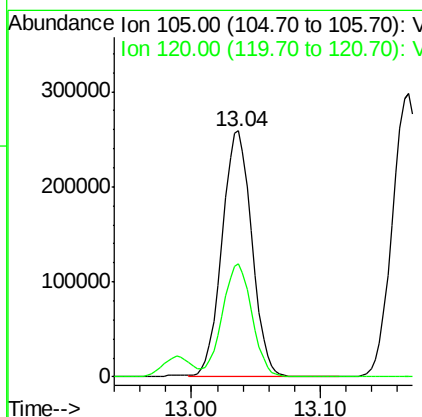
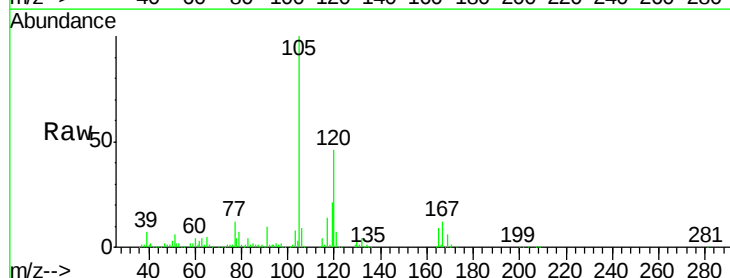
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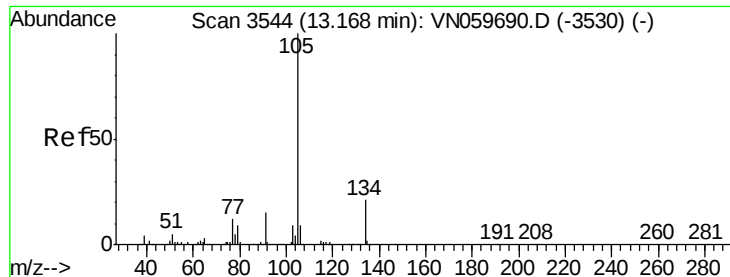
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#84
1,2,4-Trimethylbenzene
Concen: 50.597 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.9





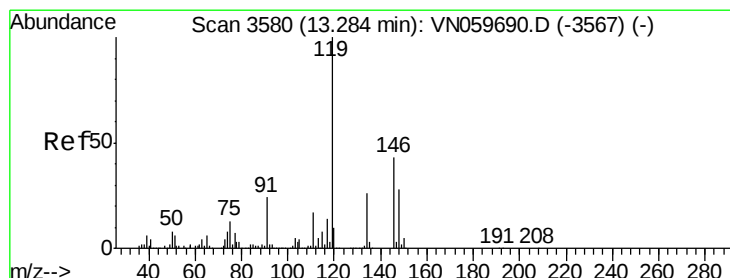
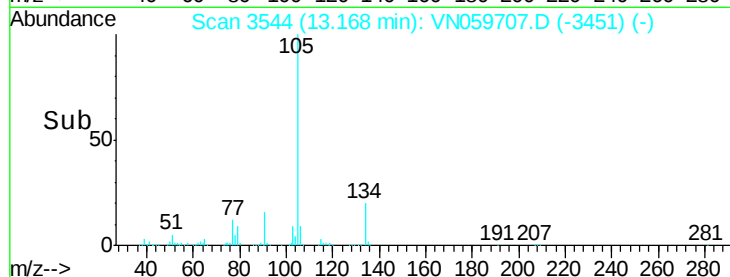
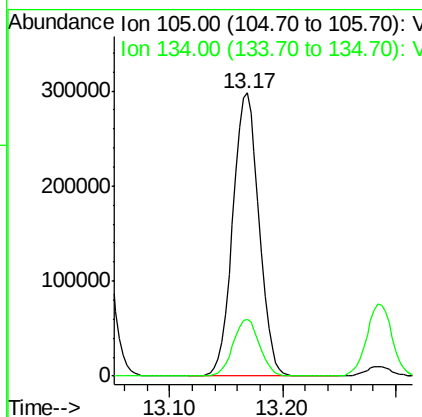
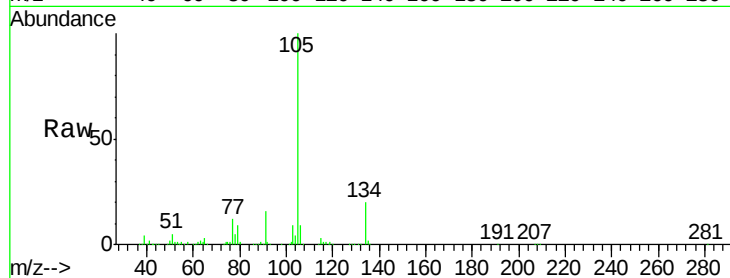
#85
 sec-Butylbenzene
 Concen: 51.082 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5

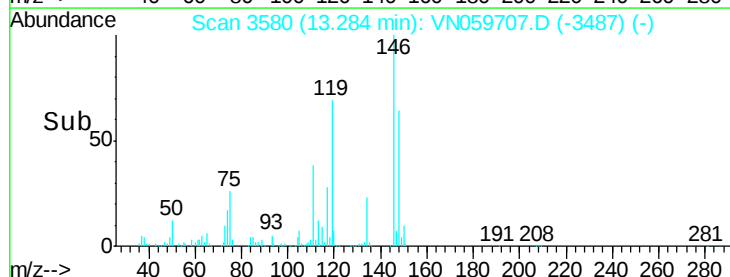
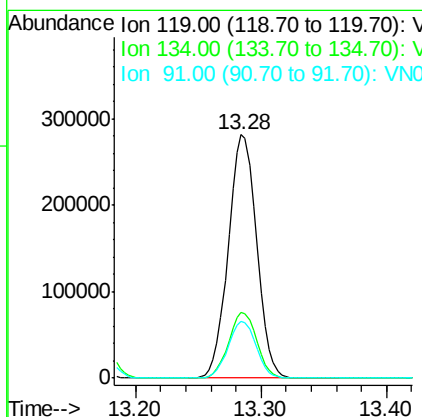
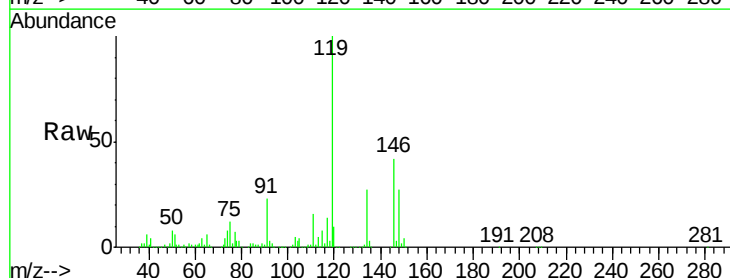
Manual Integrations
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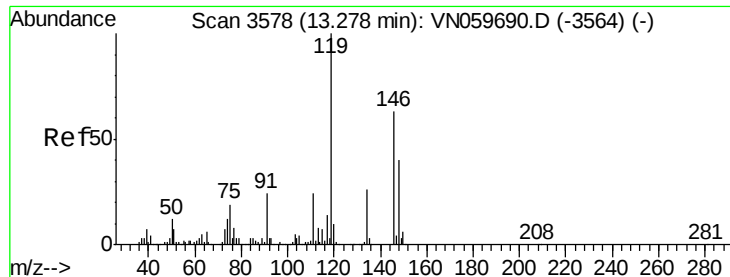
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 1/15/2020 10:55:20 AM



#86
 p-Isopropyltoluene
 Concen: 50.669 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.9	38.7
91	23.1	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 51.765 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059707.D

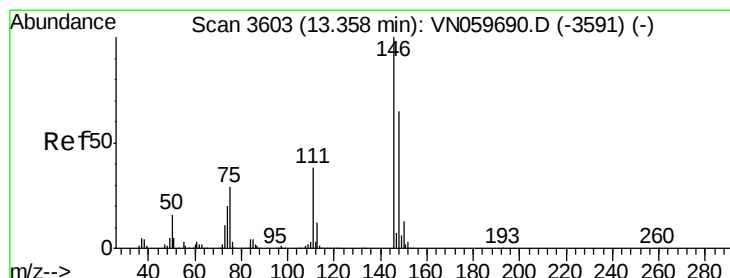
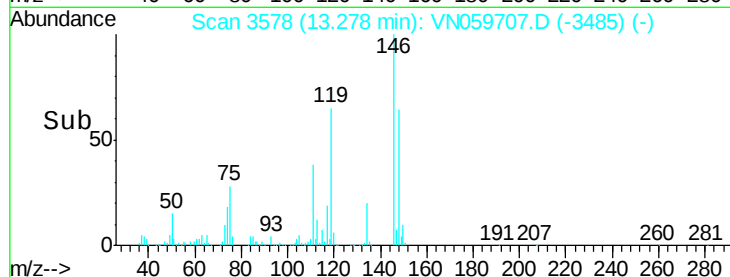
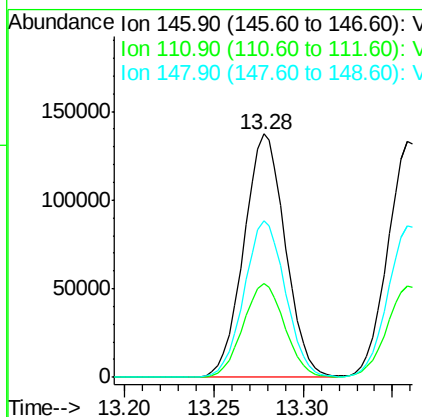
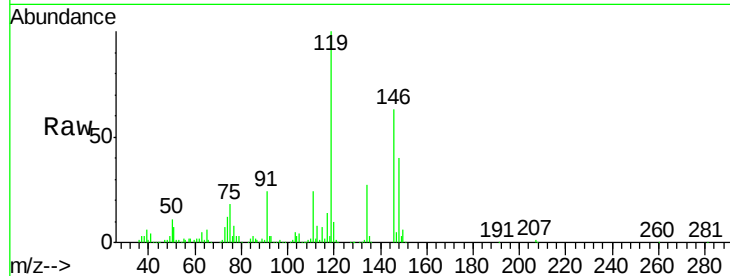
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	64.0	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.030 ug/l

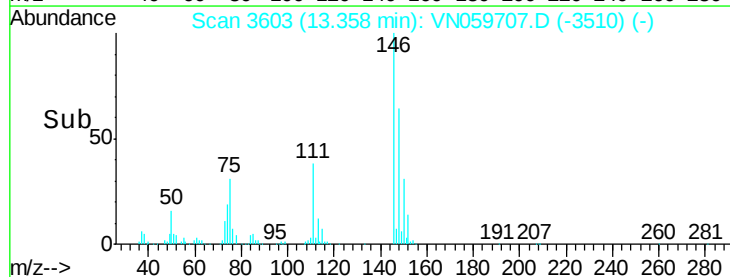
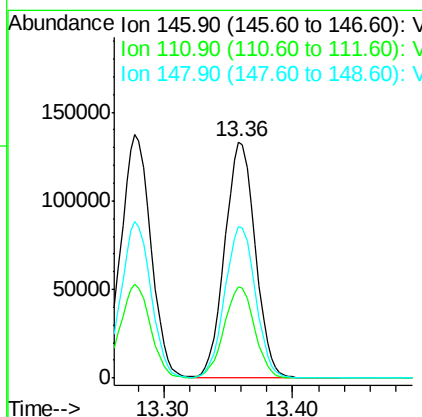
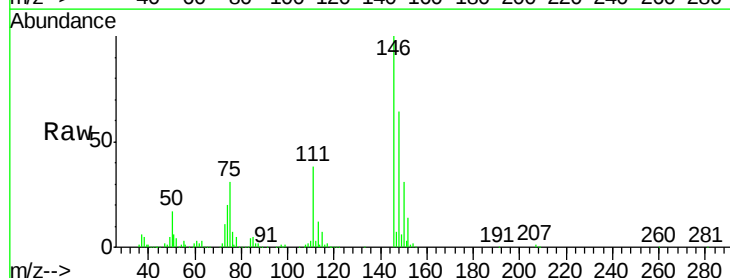
RT: 13.36 min Scan# 3603

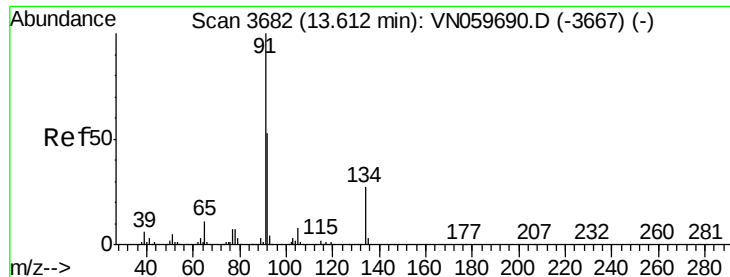
Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	64.5	31.8	95.4





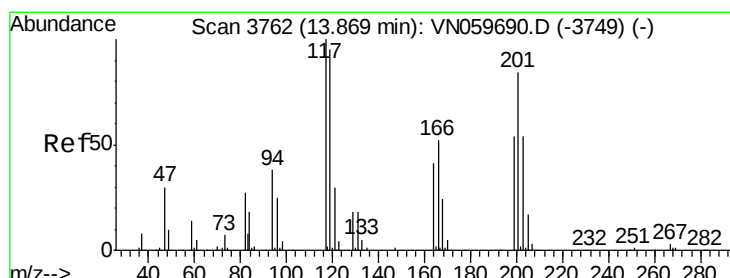
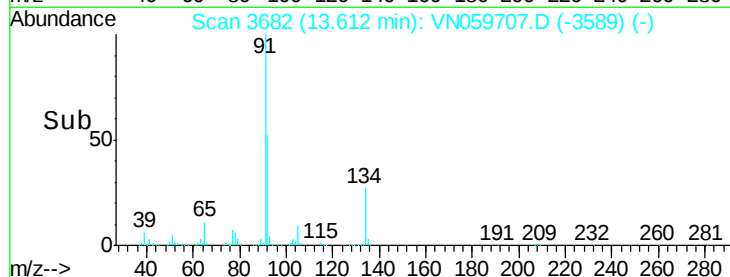
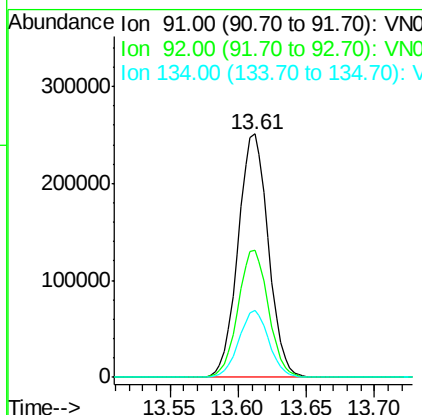
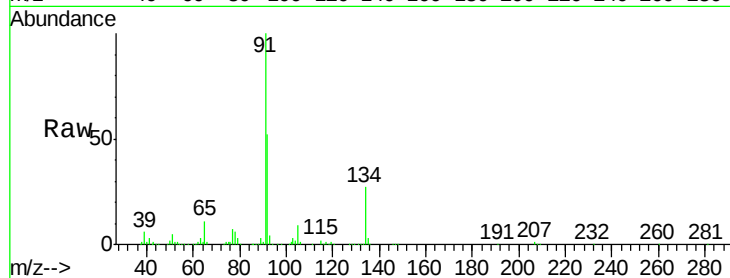
#89
n-Butylbenzene
Concen: 52.306 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.7
134	27.2	12.3	36.8

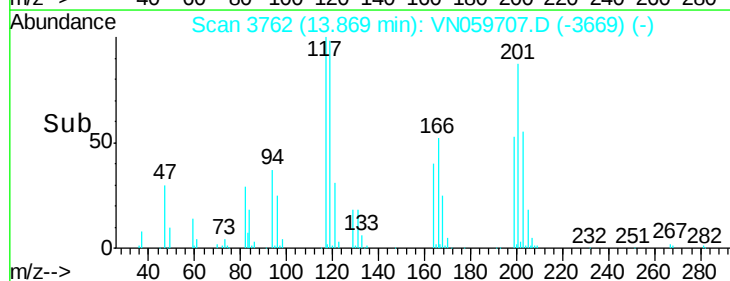
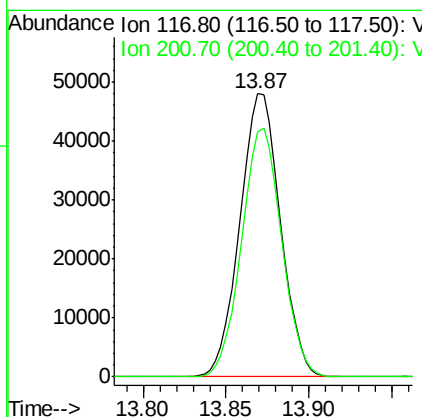
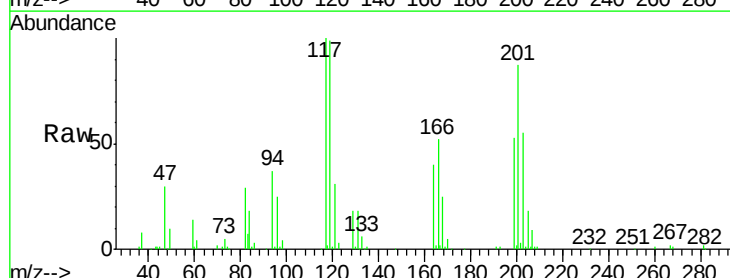
Manual Integrations
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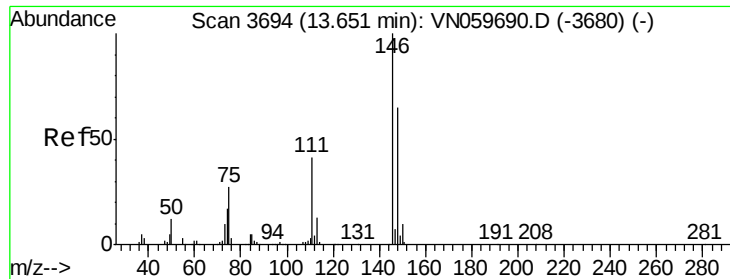
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#90
Hexachloroethane
Concen: 50.346 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	37.8	113.4





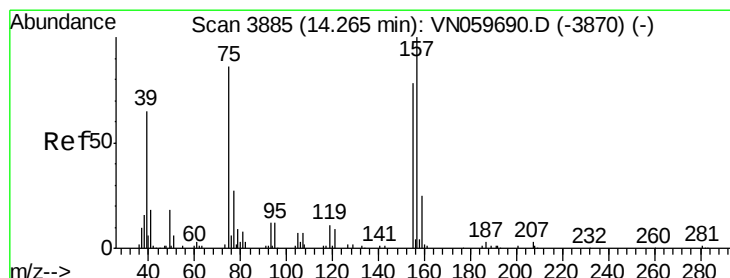
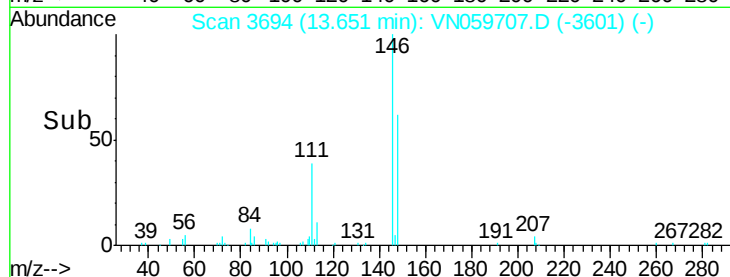
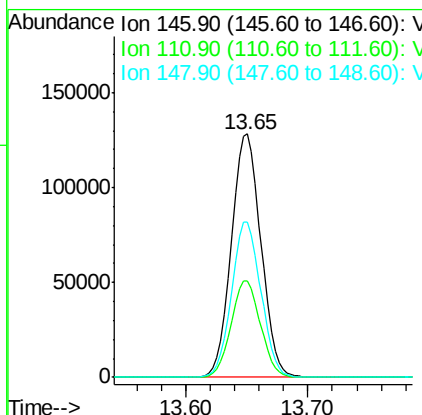
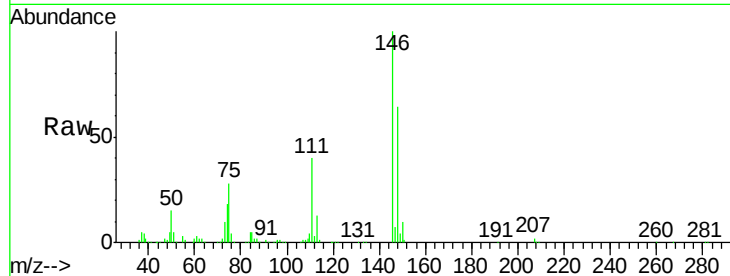
#91
 1,2-Dichlorobenzene
 Concen: 50.709 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.6	64.8
148	63.4	31.6	95.0

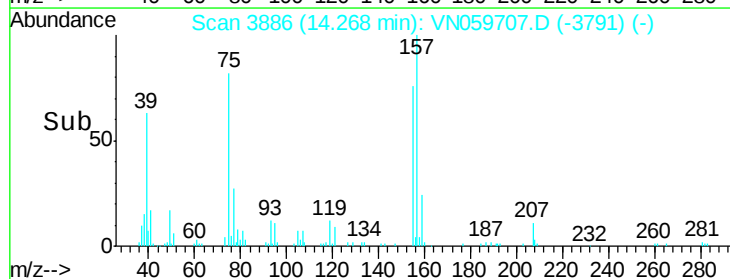
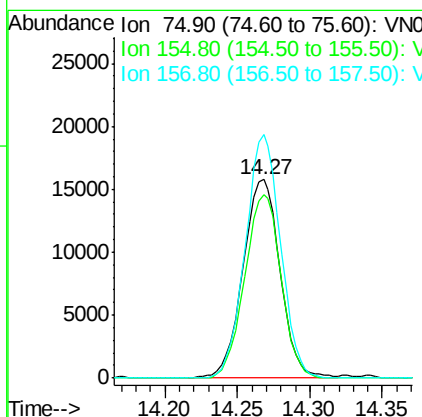
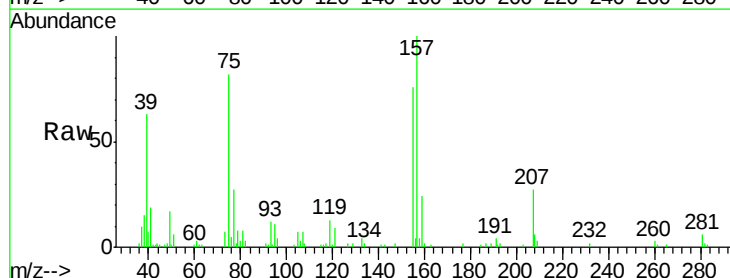
Manual Integrations
 APPROVED

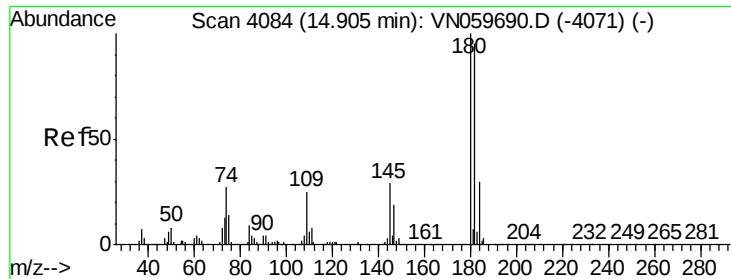
MMDadoda
 1/15/2020 10:55:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.094 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	37.0	110.9
157	115.8	48.4	145.2





#93

1,2,4-Trichlorobenzene

Concen: 53.463 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

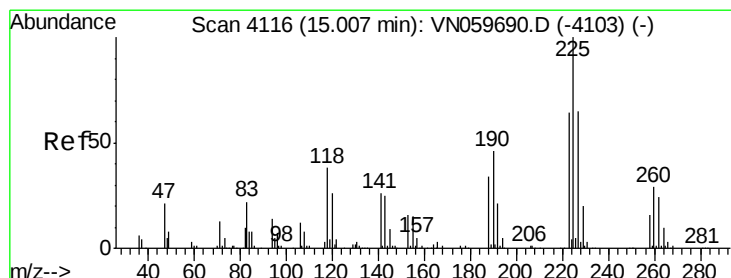
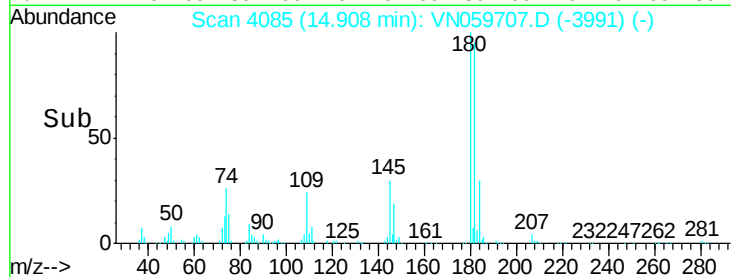
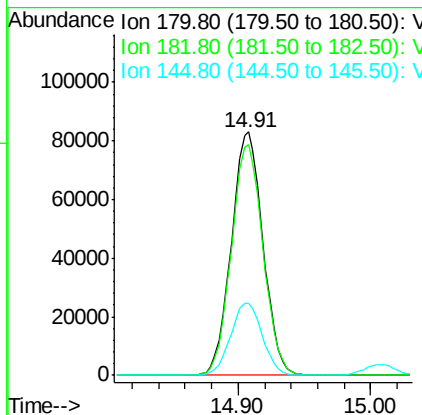
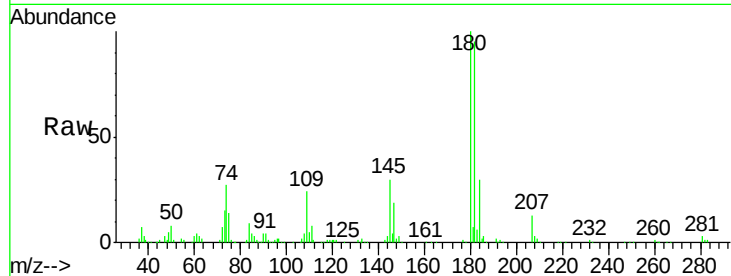
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	137074
Ion Ratio	Lower	Upper	
180	100		
182	95.2	46.9	140.7
145	29.9	15.0	45.1

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1/15/2020 10:55:20 AM



#94

Hexachlorobutadiene

Concen: 50.363 ug/l

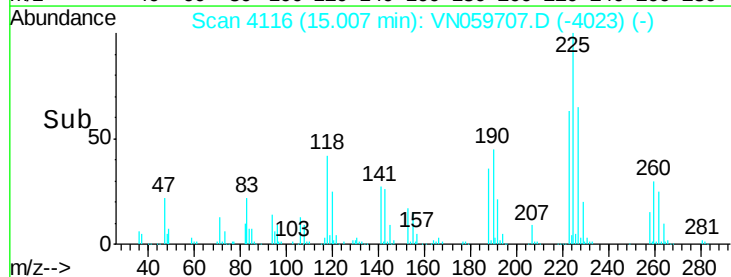
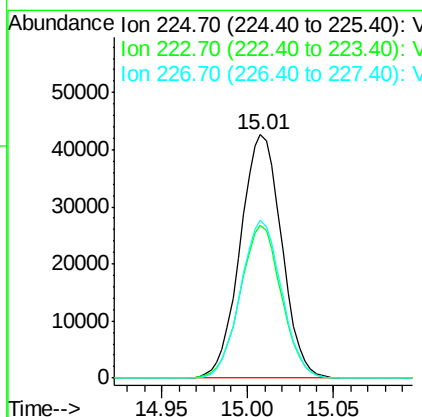
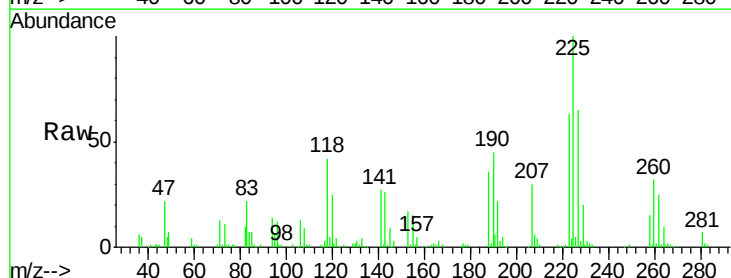
RT: 15.01 min Scan# 4116

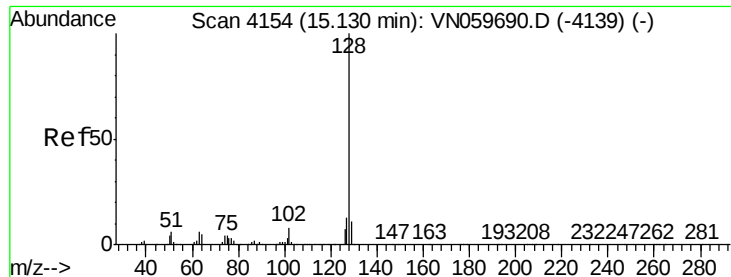
Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion:	225	Resp:	71157
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.8	95.3
227	64.2	32.1	96.5





#95

Naphthalene

Concen: 49.824 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

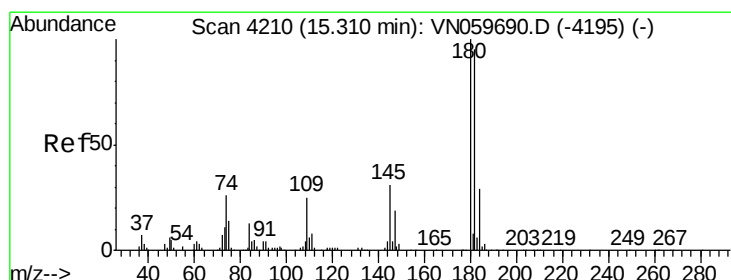
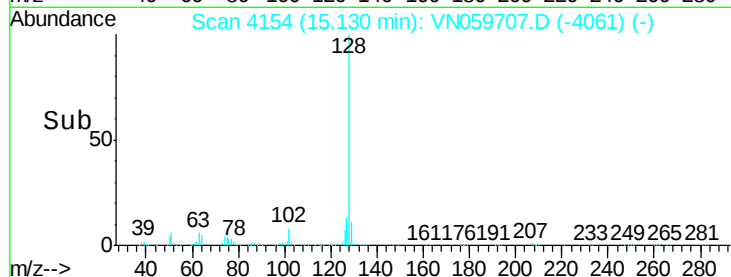
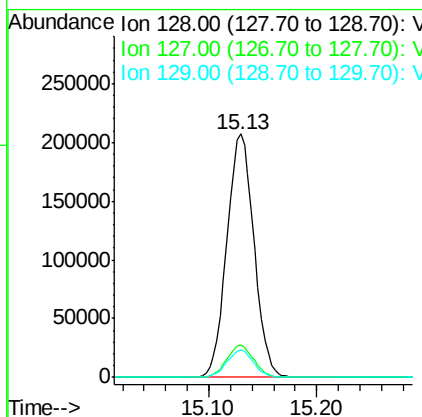
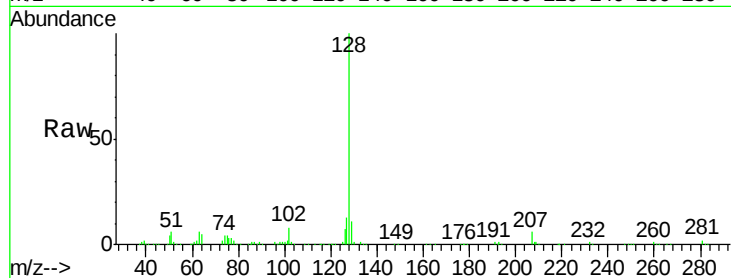
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	363353
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
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1/15/2020 10:55:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.415 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion:	180	Resp:	128312
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.4	142.3
145	31.8	16.3	48.9

