

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061306.D
 Acq On : 6 May 2020 13:54
 Operator : JC/MD
 Sample : VN0506MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:30 AM

Quant Time: May 07 05:55:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	102459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	177132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	163920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	75408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	93395	57.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.22%	
35) Dibromofluoromethane	7.54	113	55643	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	10.06	98	233147	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
62) 4-Bromofluorobenzene	12.38	95	87044	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21865	20.124	ug/l	100
3) Chloromethane	2.03	50	29552	22.458	ug/l	97
4) Vinyl Chloride	2.16	62	31816	21.287	ug/l	98
5) Bromomethane	2.54	94	14288	19.340	ug/l	95
6) Chloroethane	2.67	64	20276	21.404	ug/l	99
7) Trichlorofluoromethane	2.98	101	41400	24.552	ug/l	98
8) Diethyl Ether	3.37	74	17154	24.389	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	23797	21.906	ug/l	100
10) Methyl Iodide	3.91	142	26432	18.933	ug/l	99
11) Tert butyl alcohol	4.73	59	24908	114.691	ug/l	99
12) 1,1-Dichloroethene	3.69	96	21992	20.344	ug/l	99
13) Acrolein	3.56	56	14281	98.676	ug/l	96
14) Allyl chloride	4.27	41	48023	23.959	ug/l	97
15) Acrylonitrile	4.93	53	76385	114.577	ug/l	100
16) Acetone	3.77	43	68151	105.500	ug/l	98
17) Carbon Disulfide	4.01	76	56194	18.818	ug/l	100
18) Methyl Acetate	4.27	43	40805	20.347	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	93424	22.617	ug/l	99
20) Methylene Chloride	4.50	84	27285	21.583	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	24844	21.105	ug/l	94
22) Diisopropyl ether	5.90	45	107397	23.106	ug/l	99
23) Vinyl Acetate	5.84	43	423923	113.272	ug/l	99
24) 1,1-Dichloroethane	5.79	63	52828	21.753	ug/l	98
25) 2-Butanone	6.78	43	105003	109.455	ug/l	98
26) 2,2-Dichloropropane	6.77	77	46254	22.612	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	29236	21.164	ug/l	97
28) Bromochloromethane	7.15	49	29179	25.349	ug/l	98
29) Tetrahydrofuran	7.16	42	69536	107.604	ug/l	100
30) Chloroform	7.33	83	53450	21.718	ug/l	99
31) Cyclohexane	7.61	56	44544	18.887	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	44860	20.933	ug/l	99
36) 1,1-Dichloropropene	7.75	75	36902	20.811	ug/l	100
37) Ethyl Acetate	6.88	43	45316	21.800	ug/l	100
38) Carbon Tetrachloride	7.73	117	32717	21.585	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	37936	19.077	ug/l	97
40) Benzene	8.00	78	111896	21.182	ug/l	100
41) Methacrylonitrile	7.13	41	21720	25.165	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	46646	23.308	ug/l	99
43) Isopropyl Acetate	8.12	43	75469	21.876	ug/l #	92
44) Trichloroethene	8.80	130	27496	19.254	ug/l	97
45) 1,2-Dichloropropane	9.08	63	31393	22.244	ug/l	99
46) Dibromomethane	9.17	93	20059	22.955	ug/l	98
47) Bromodichloromethane	9.37	83	42284	22.544	ug/l	98
48) Methyl methacrylate	9.17	41	34706	22.293	ug/l	97
49) 1,4-Dioxane	9.17	88	7579	428.885	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	224953	110.777	ug/l	100
52) Toluene	10.12	92	68104	21.403	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	47005	22.241	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	49336	22.081	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	28377	22.358	ug/l	99
56) Ethyl methacrylate	10.40	69	43147	21.172	ug/l	97
57) 1,3-Dichloropropane	10.68	76	50228	22.515	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	117571	114.442	ug/l	100
59) 2-Hexanone	10.72	43	160515	108.650	ug/l	98
60) Dibromochloromethane	10.87	129	29344	22.075	ug/l	100
61) 1,2-Dibromoethane	10.98	107	28234	22.195	ug/l	99
64) Tetrachloroethene	10.60	164	26960	18.990	ug/l	99
65) Chlorobenzene	11.41	112	70222	21.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	26358	22.648	ug/l	100
67) Ethyl Benzene	11.48	91	129366	21.253	ug/l	100
68) m/p-Xylenes	11.60	106	94279	42.315	ug/l	98
69) o-Xylene	11.92	106	44765	20.917	ug/l	96
70) Styrene	11.94	104	75870	21.181	ug/l	99
71) Bromoform	12.10	173	18989	22.201	ug/l #	98
73) Isopropylbenzene	12.22	105	122885	22.167	ug/l	100
74) N-amyl acetate	12.05	43	62363	22.216	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	40646	23.514	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	39898m	25.096	ug/l	
77) Bromobenzene	12.50	156	28739	22.458	ug/l	99
78) n-propylbenzene	12.57	91	145389	22.111	ug/l	100
79) 2-Chlorotoluene	12.65	91	85941	22.237	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	103497	22.557	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	13886	22.181	ug/l	96
82) 4-Chlorotoluene	12.75	91	90320	22.173	ug/l	98
83) tert-Butylbenzene	12.97	119	82629	21.358	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	104185	22.040	ug/l	98
85) sec-Butylbenzene	13.15	105	113967	21.607	ug/l	100
86) p-Isopropyltoluene	13.26	119	101780	21.417	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	51151	21.712	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	51456	21.377	ug/l	97
89) n-Butylbenzene	13.59	91	92333	21.193	ug/l	99
90) Hexachloroethane	13.85	117	12806	29.520	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	50751	22.467	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8112	22.220	ug/l	95

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VN0506MBS01

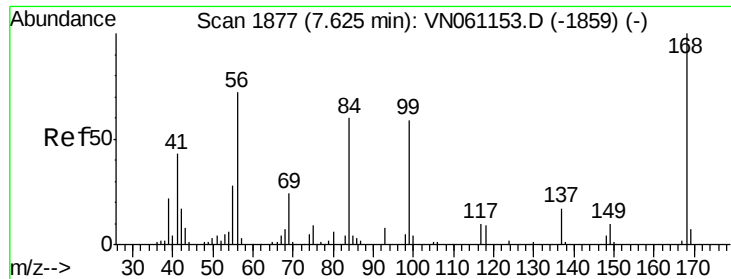
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	28053	20.394	ug/l	98
94) Hexachlorobutadiene	14.98	225	13482	23.461	ug/l	98
95) Naphthalene	15.11	128	87238	19.474	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	28421	20.928	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0506MBS01

Tot Ion:168 Resp: 102459

Ion Ratio Lower Upper

168 100

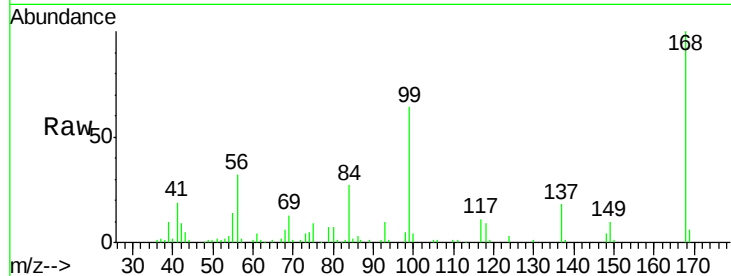
99 63.6 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

40000

30000

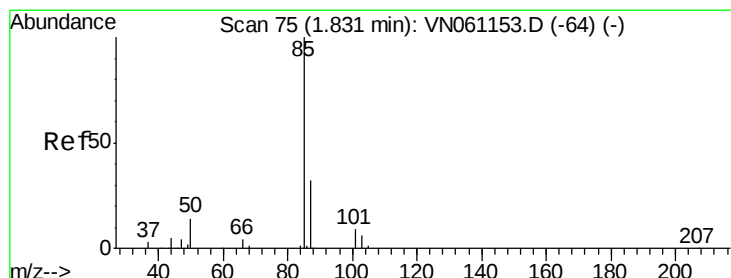
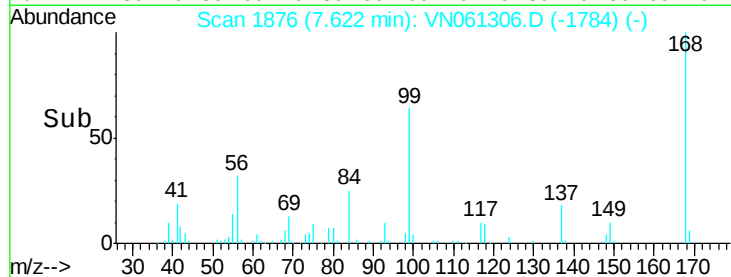
20000

10000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.124 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061306.D

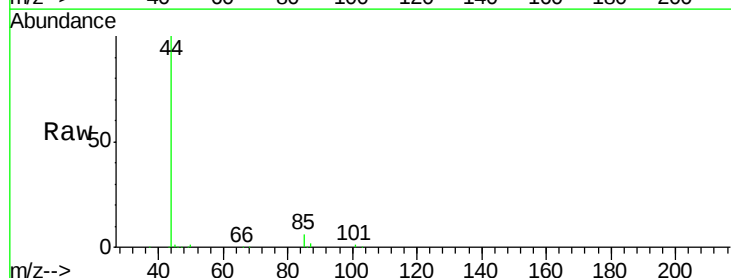
Acq: 6 May 2020 13:54

Tgt Ion: 85 Resp: 21865

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

15000

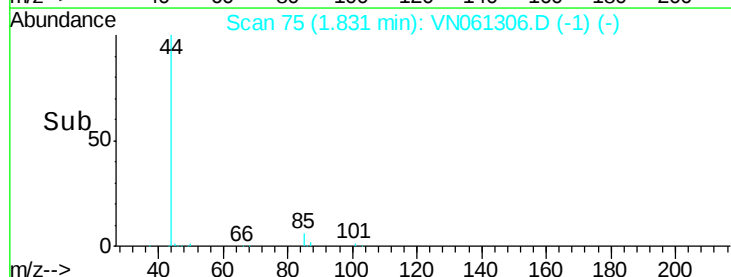
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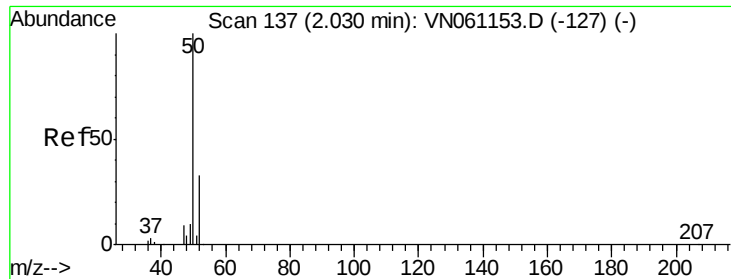
5000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 22.458 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0506MBS01

Tot Ion: 50 Resp: 29552

Ion Ratio Lower Upper

50 100

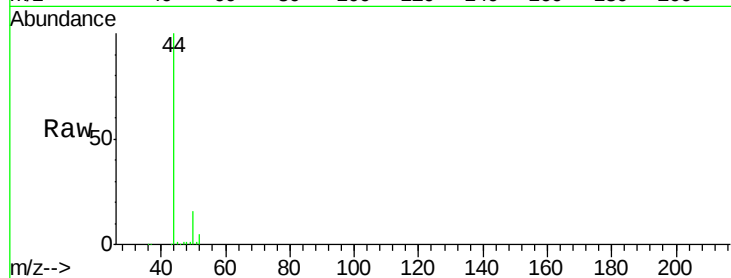
52 30.5 26.0 39.0

Manual Integrations

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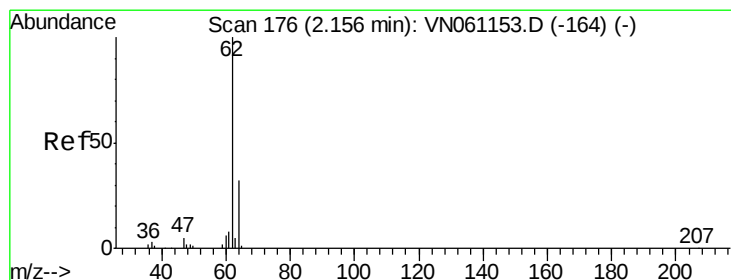
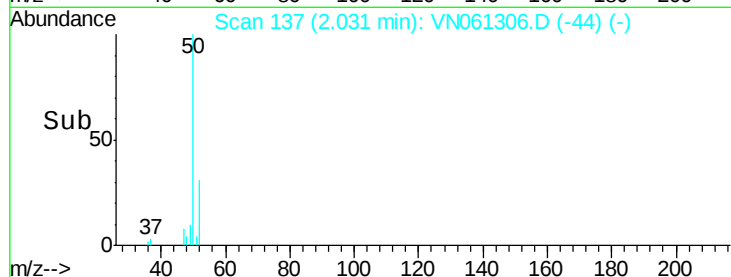
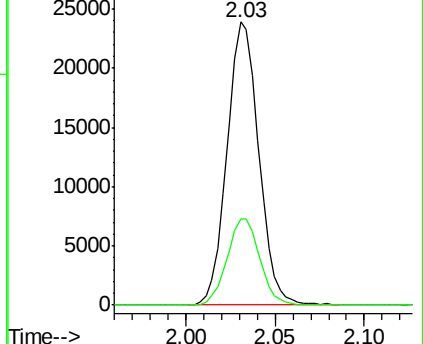
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.287 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061306.D

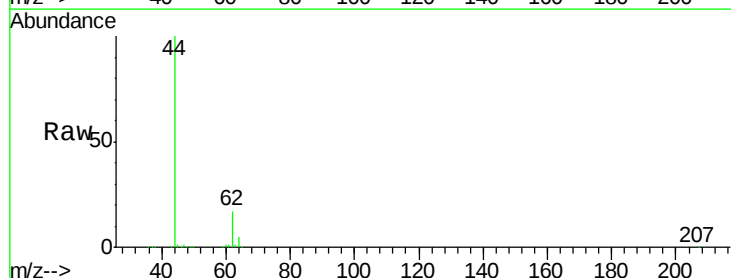
Acq: 6 May 2020 13:54

Tgt Ion: 62 Resp: 31816

Ion Ratio Lower Upper

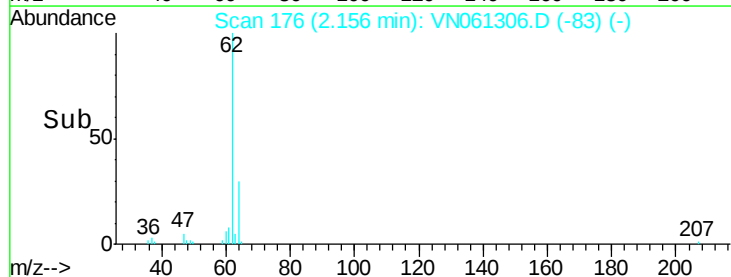
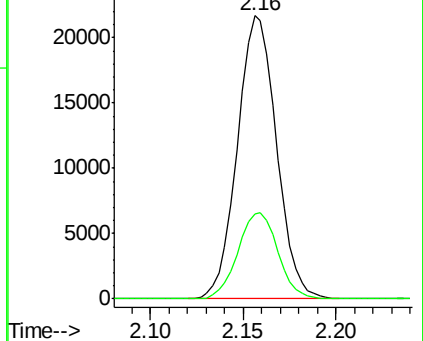
62 100

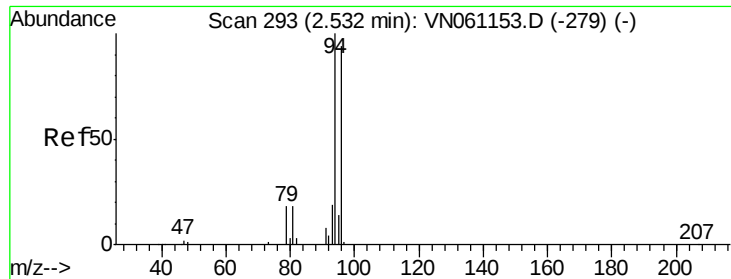
64 30.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.340 ug/l

RT: 2.54 min Scan# 294

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0506MBS01

Tot Ion: 94 Resp: 14288

Ion Ratio Lower Upper

94 100

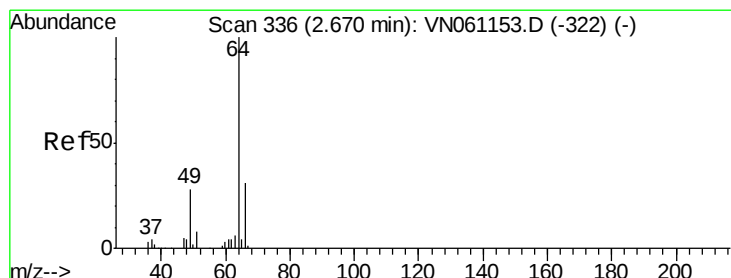
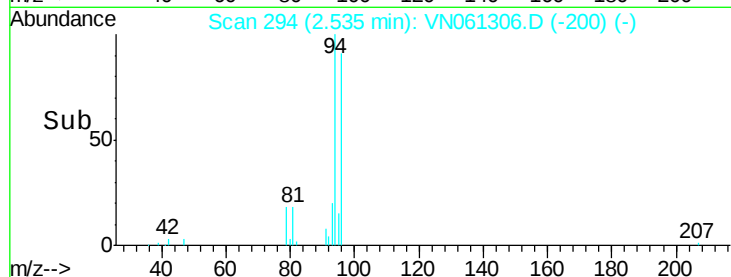
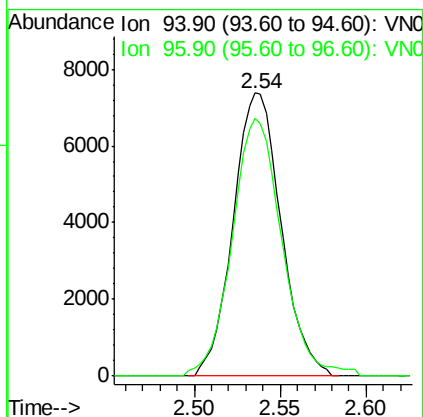
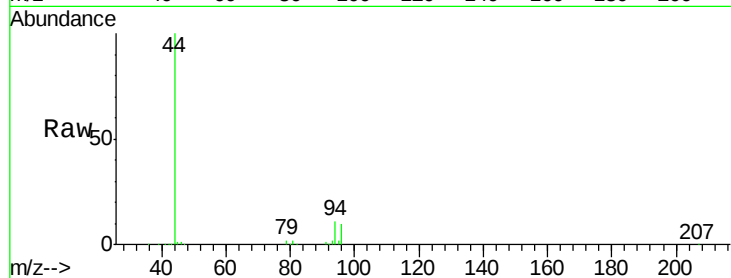
96 89.0 75.1 112.7

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#6

Chloroethane

Concen: 21.404 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061306.D

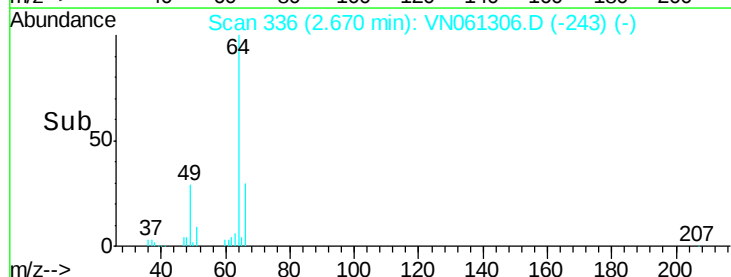
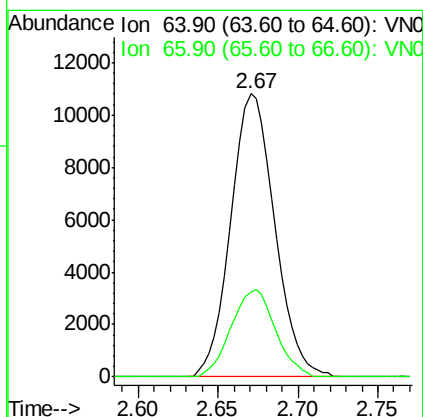
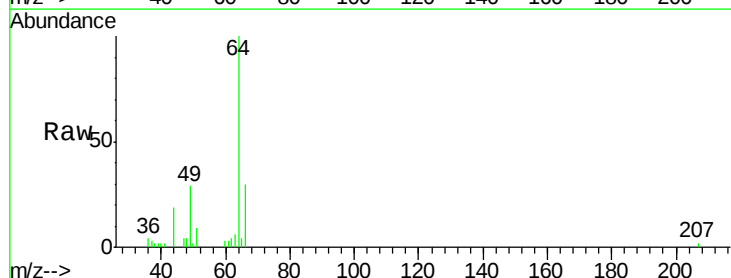
Acq: 6 May 2020 13:54

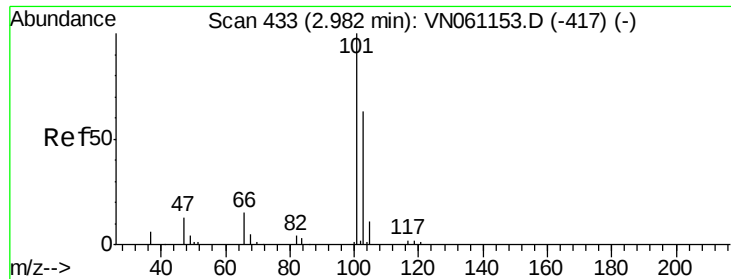
Tgt Ion: 64 Resp: 20276

Ion Ratio Lower Upper

64 100

66 30.1 24.6 36.8





#7

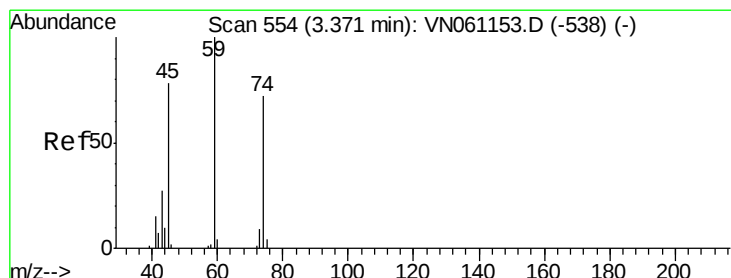
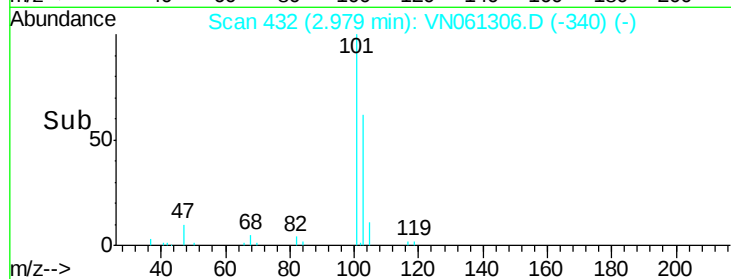
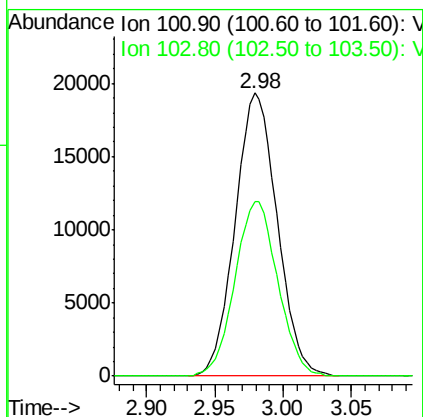
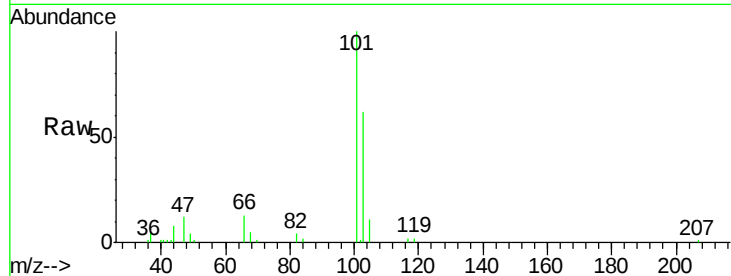
Trichlorofluoromethane
Concen: 24.552 ug/l
RT: 2.98 min Scan# 432
Delta R.T. -0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
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VN0506MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		41400		
103	61.5	50.6	76.0		

Manual Integrations
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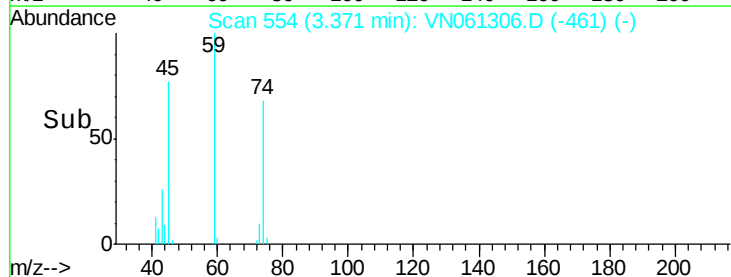
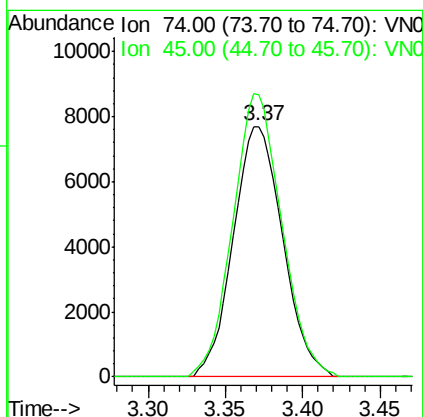
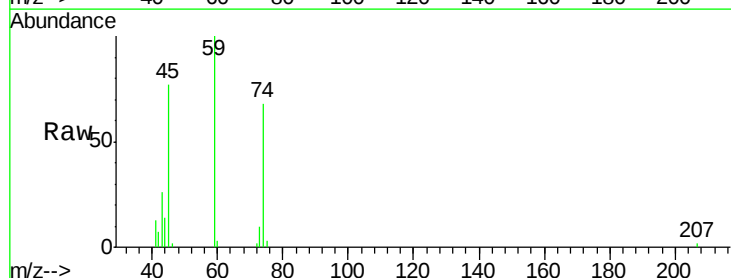
MMDadoda
5/7/2020 10:36:30 AM



#8

Diethyl Ether
Concen: 24.389 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		17154		
45	111.7	53.3	160.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.906 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

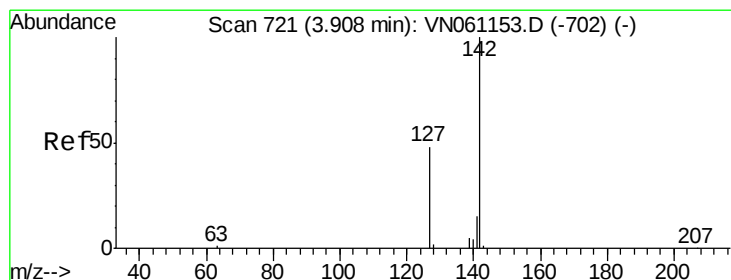
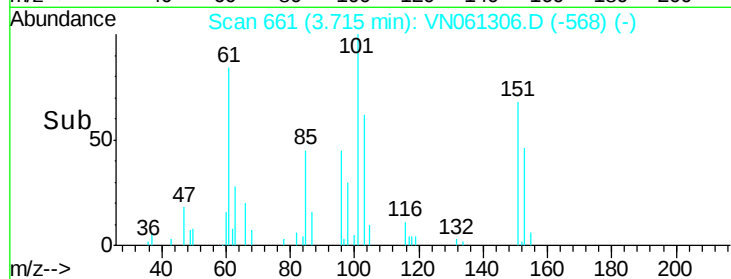
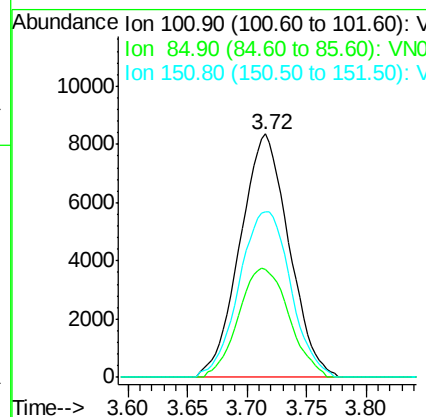
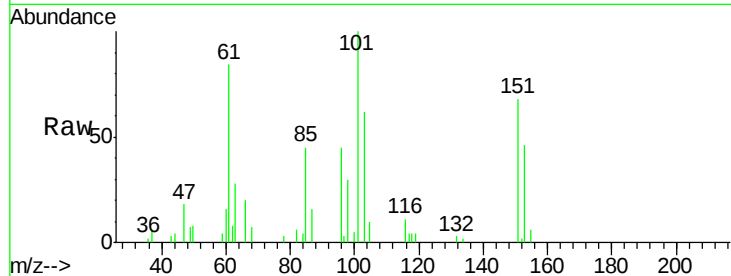
ClientSampled :

VN0506MBS01

Tot Ion:	101	Resp:	23797
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.2	55.8
151	71.7	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.933 ug/l

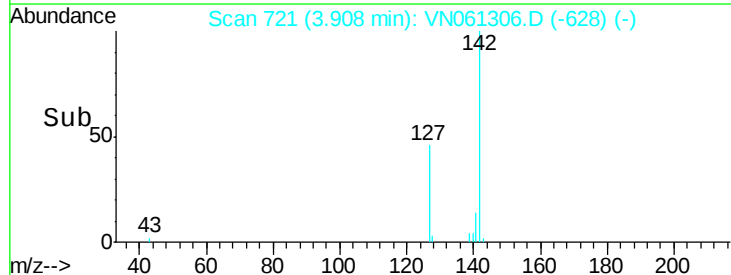
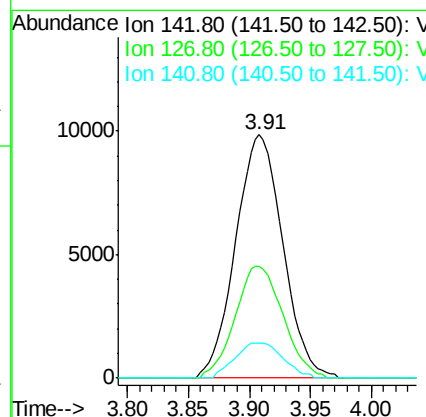
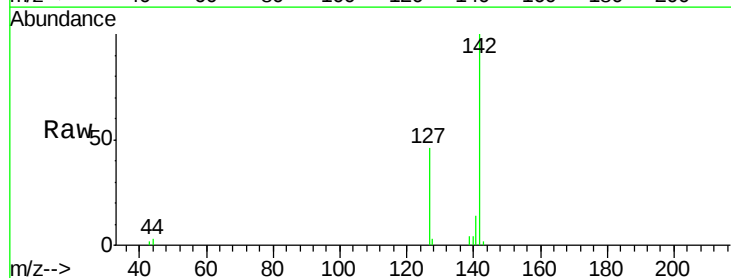
RT: 3.91 min Scan# 721

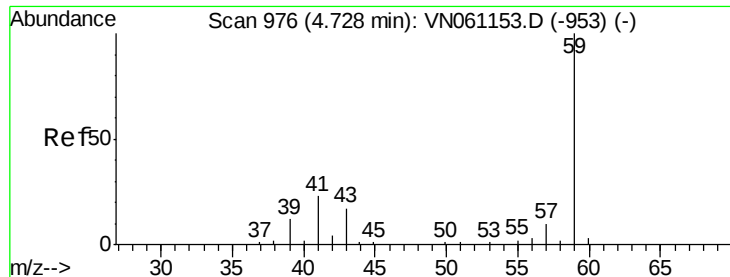
Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion:	142	Resp:	26432
Ion Ratio	Lower	Upper	
142	100		
127	46.7	38.0	57.0
141	14.6	11.7	17.5





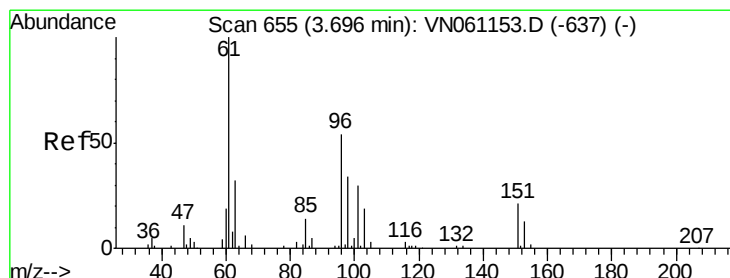
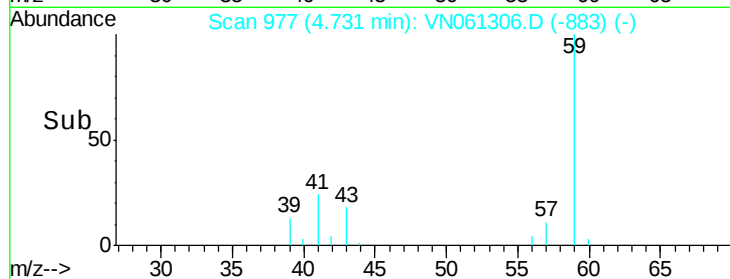
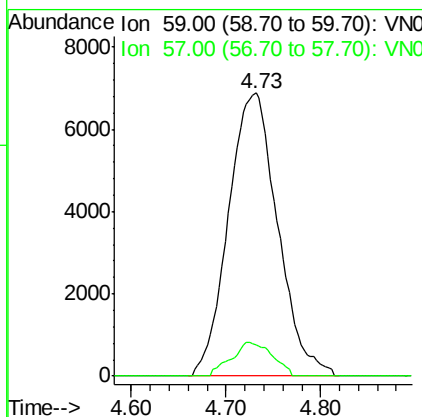
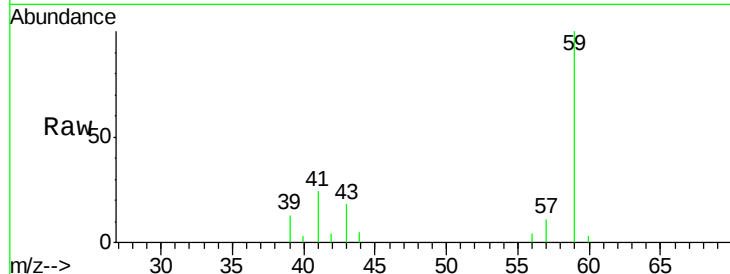
#11
Tert butyl alcohol
Concen: 114.691 ug/l
RT: 4.73 min Scan# 977
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

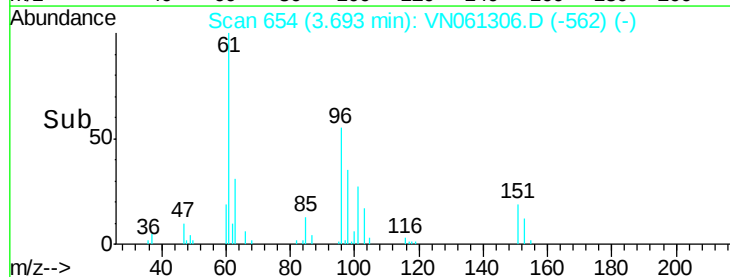
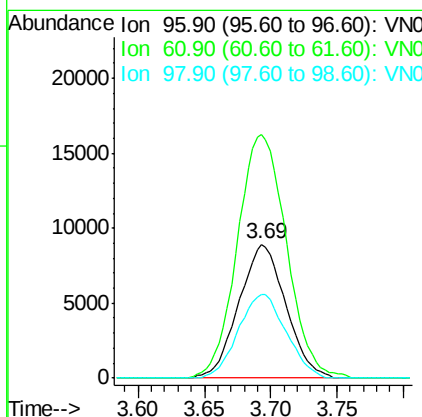
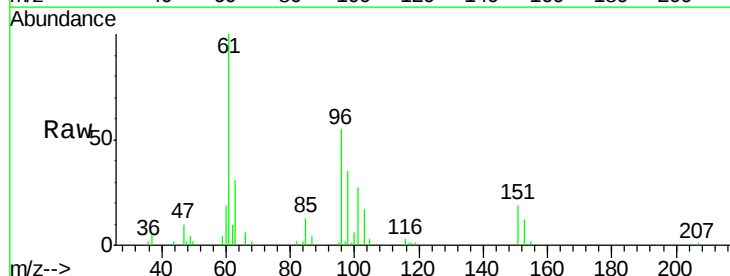
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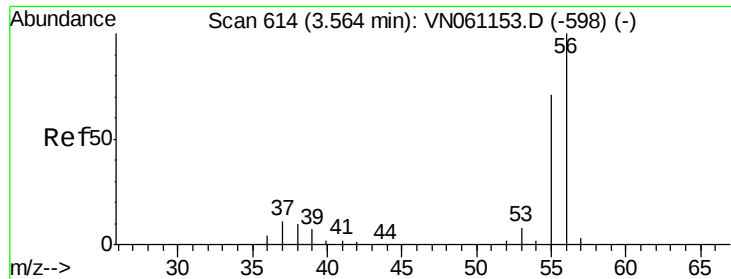
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#12
1,1-Dichloroethene
Concen: 20.344 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.0	147.0	220.6
98	62.9	49.8	74.6





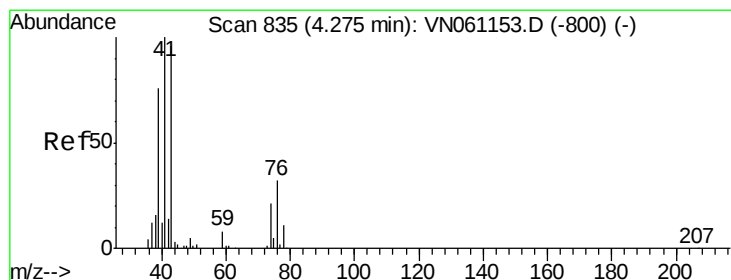
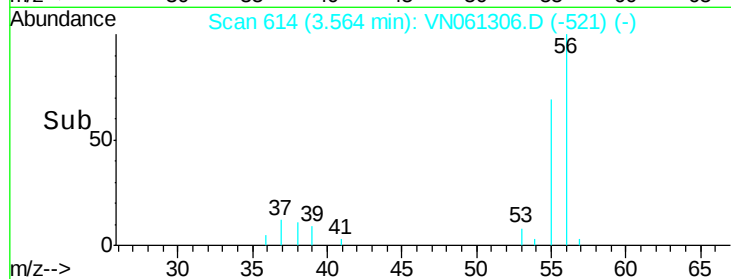
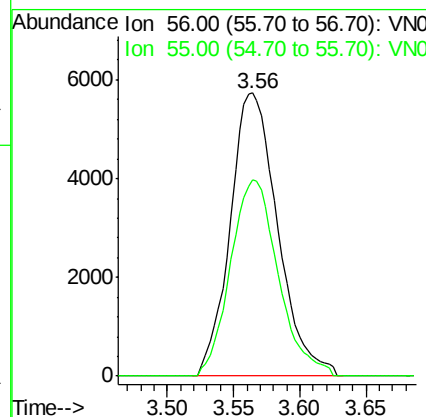
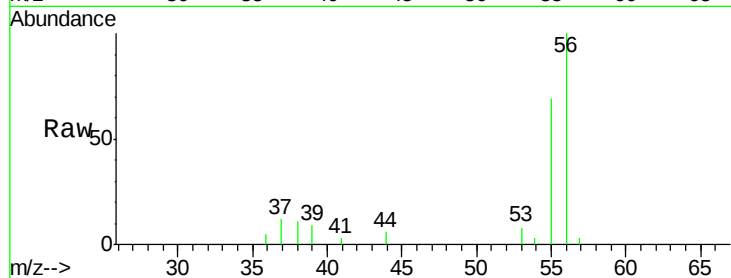
#13
 Acrolein
 Concen: 98.676 ug/l
 RT: 3.56 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBS01

Tot Ion	56	Resp	14281
Ion Ratio	100	Lower	Upper
56	100		
55	69.7	58.5	87.7

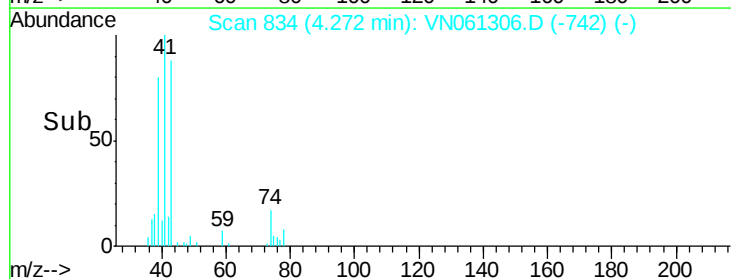
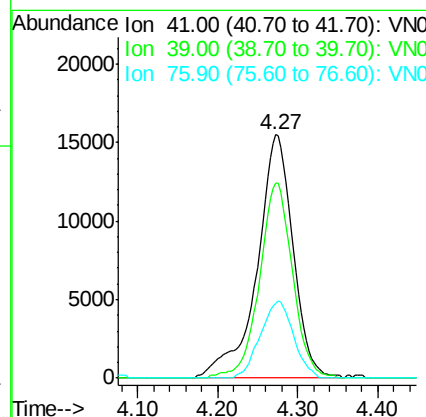
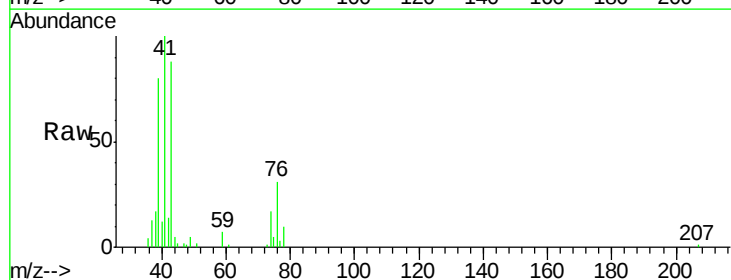
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#14
 Allyl chloride
 Concen: 23.959 ug/l
 RT: 4.27 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Tgt Ion	41	Resp	48023
Ion Ratio	100	Lower	Upper
41	100		
39	73.8	57.1	85.7
76	29.1	24.3	36.5





#15

Acrylonitrile

Concen: 114.577 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

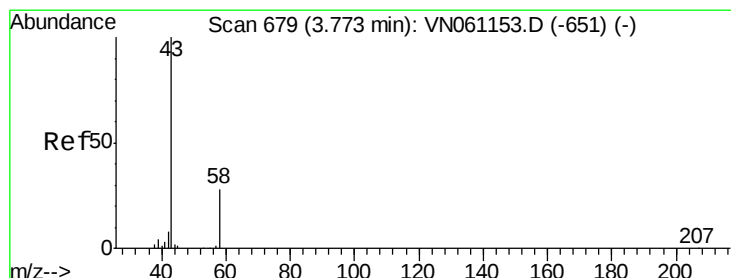
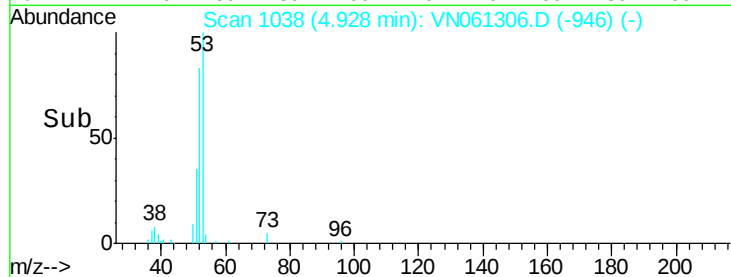
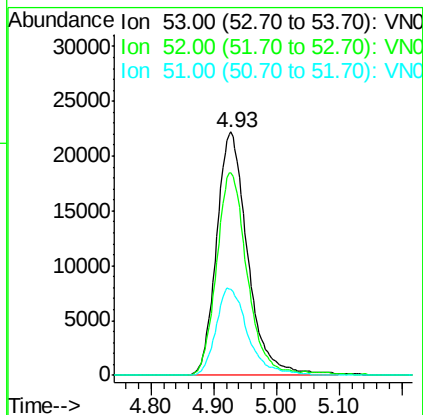
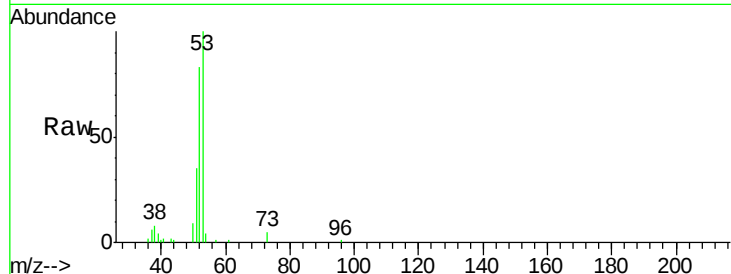
ClientSampleId :

VN0506MBS01

Tot Ion:	53	Resp:	76385
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.4	98.0
51	36.6	29.5	44.3

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#16

Acetone

Concen: 105.500 ug/l

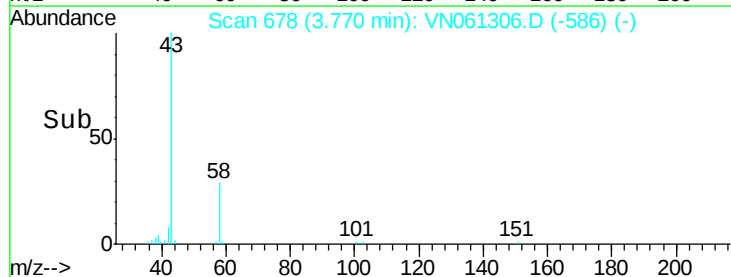
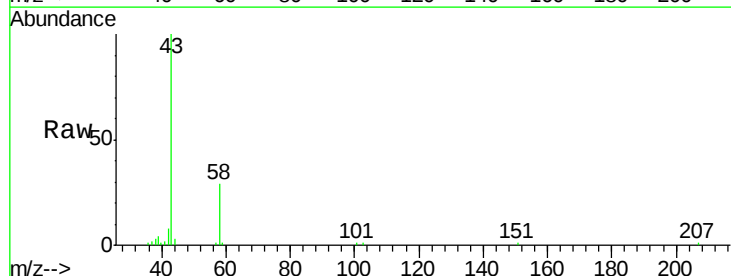
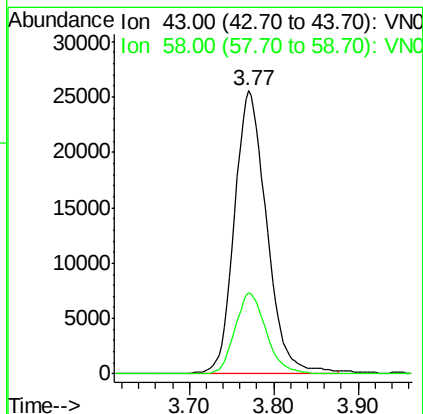
RT: 3.77 min Scan# 678

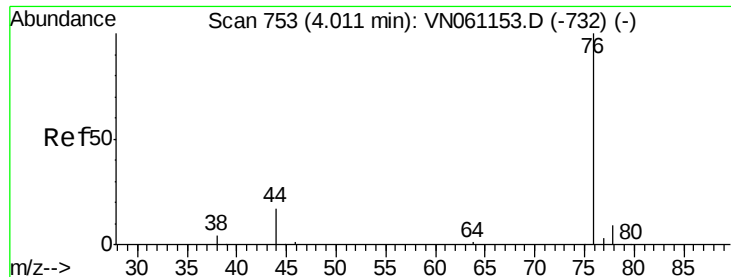
Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion:	43	Resp:	68151
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.2	33.2





#17

Carbon Disulfide

Concen: 18.818 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBS01

Tot Ion: 76 Resp: 56194

Ion Ratio Lower Upper

76 100

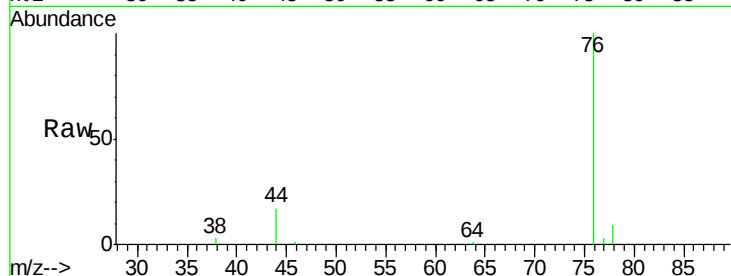
78 8.8 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

25000

20000

15000

10000

5000

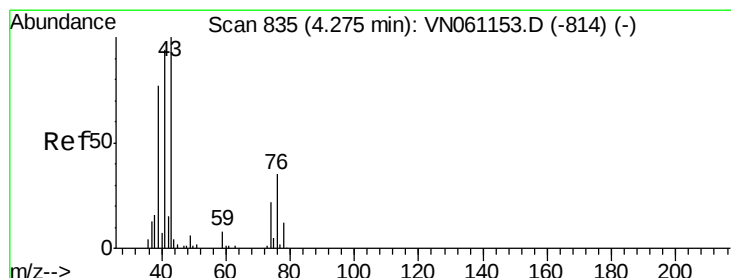
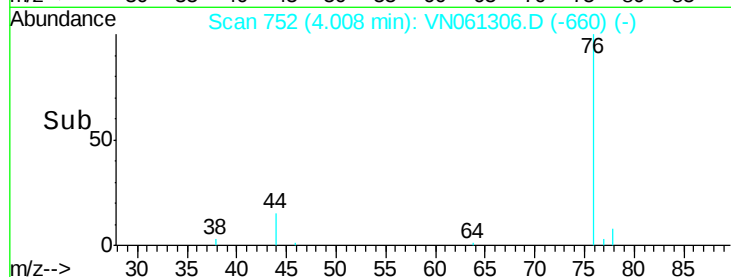
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 20.347 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061306.D

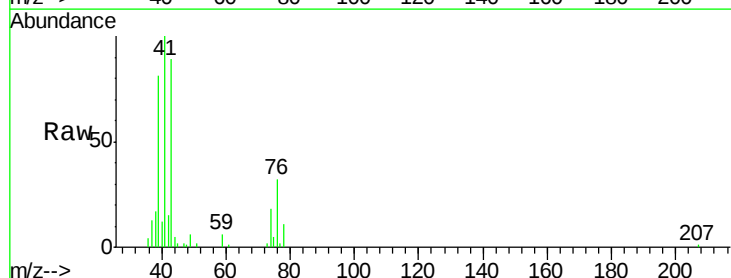
Acq: 6 May 2020 13:54

Tgt Ion: 43 Resp: 40805

Ion Ratio Lower Upper

43 100

74 19.9 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

15000

10000

5000

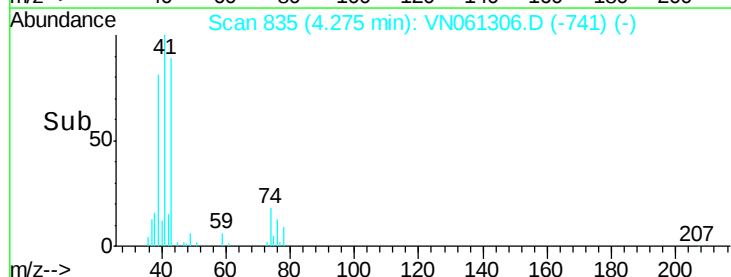
0

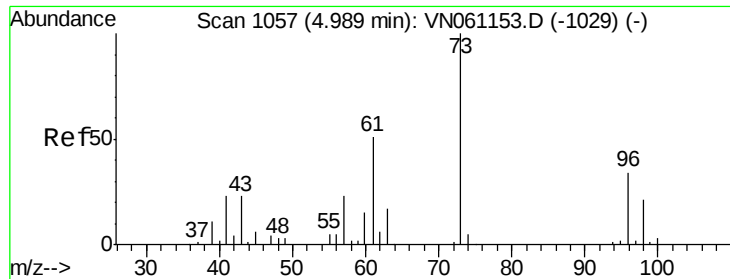
Time-->

4.20

4.30

4.40





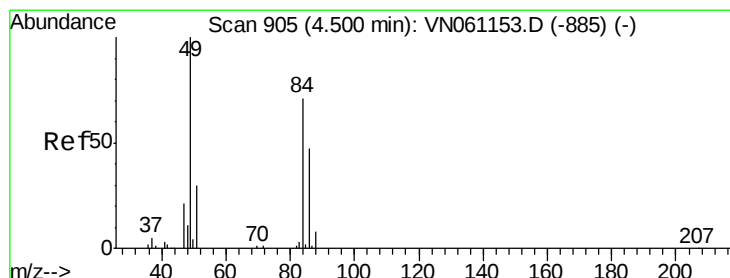
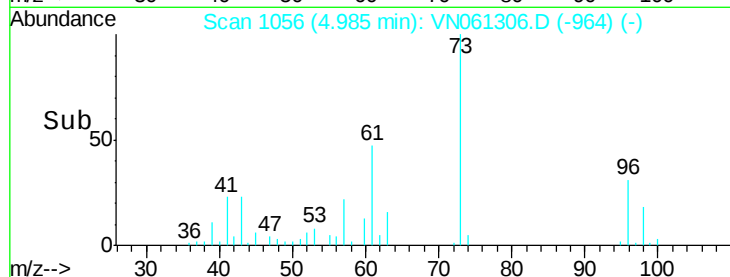
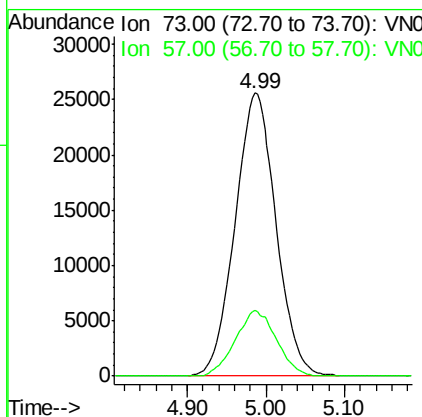
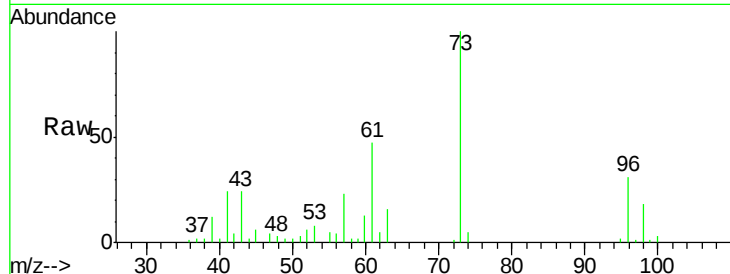
#19
Methvl tert-butvl Ether
Concen: 22.617 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion: 73 Resp: 93424
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5

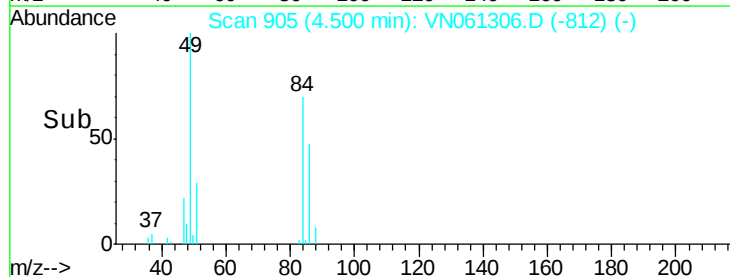
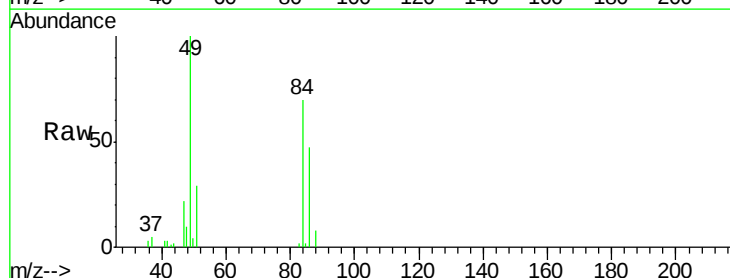
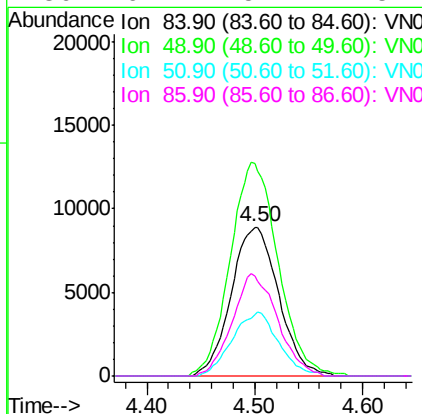
Manual Integrations
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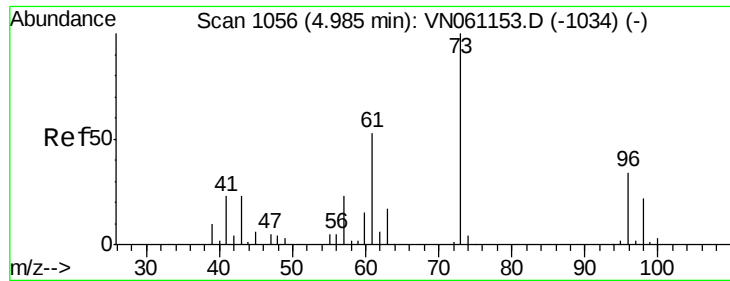
MMDadoda
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#20
Methylene Chloride
Concen: 21.583 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion: 84 Resp: 27285
Ion Ratio Lower Upper
84 100
49 142.4 112.0 168.0
51 40.9 33.6 50.4
86 67.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 21.105 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

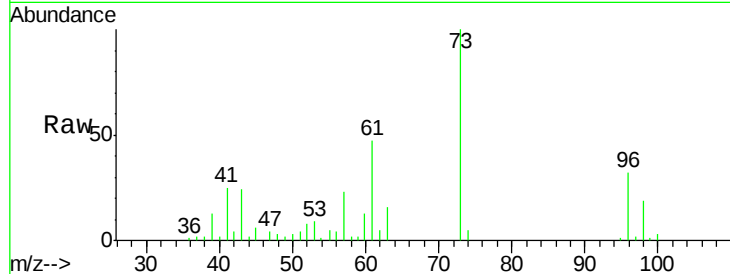
ClientSampleId :

VN0506MBS01

Tot Ion:	96	Resp:	24844
Ion	Ratio	Lower	Upper
96	100		
61	145.9	123.0	184.4
98	57.5	50.1	75.1

Manual Integrations
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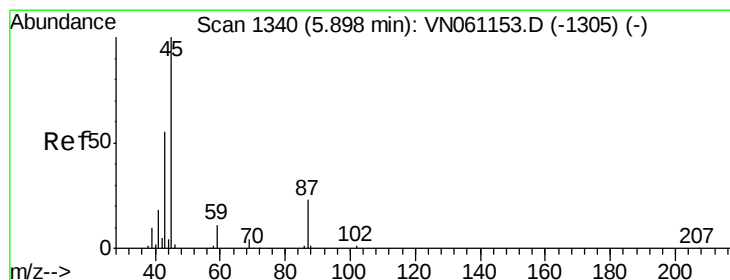
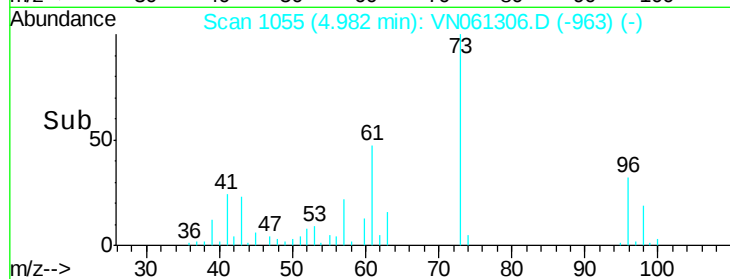
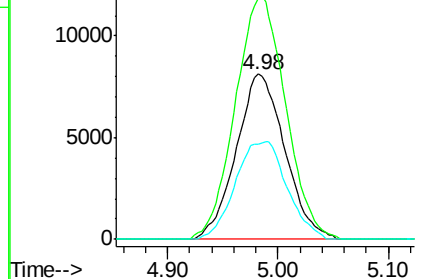
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Abundance Ion 95.90 (95.60 to 96.60): VN061153.D (-1034) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1034) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1034) (-)



#22

Diisopropyl ether

Concen: 23.106 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

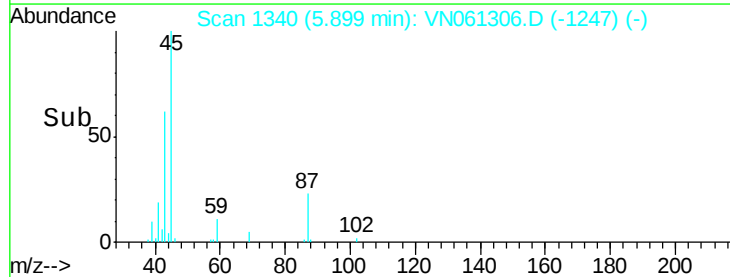
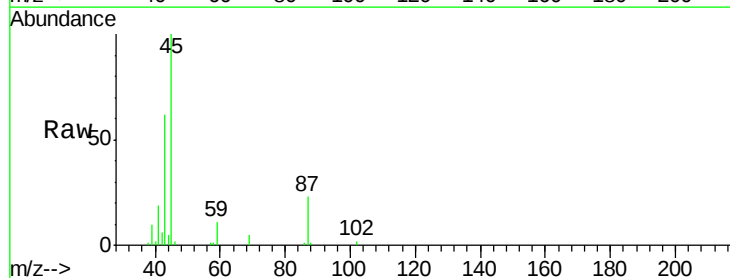
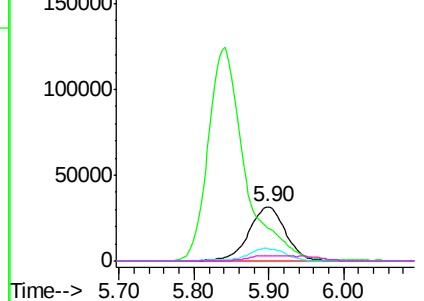
Tgt Ion:	45	Resp:	107397
Ion	Ratio	Lower	Upper
45	100		
43	60.1	47.9	71.9
87	23.2	19.2	28.8
59	10.6	9.0	13.4

Abundance Ion 45.00 (44.70 to 45.70): VN061153.D (-1305) (-)

Ion 43.00 (42.70 to 43.70): VN061153.D (-1305) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-1305) (-)

Ion 59.00 (58.70 to 59.70): VN061153.D (-1305) (-)





#23

Vinyl Acetate

Concen: 113.272 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tot Ion: 43 Resp: 423923

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8

Instrument :

MSVOA_N

ClientSampled :

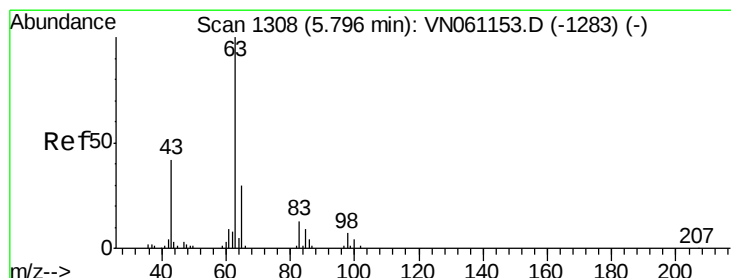
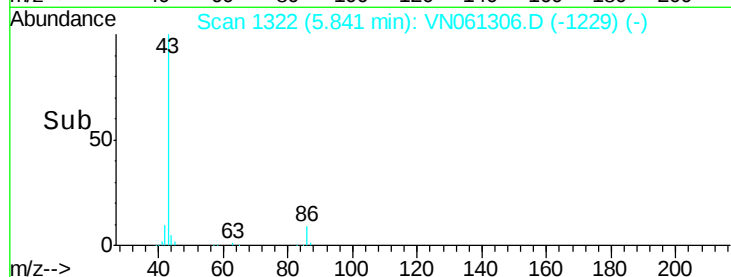
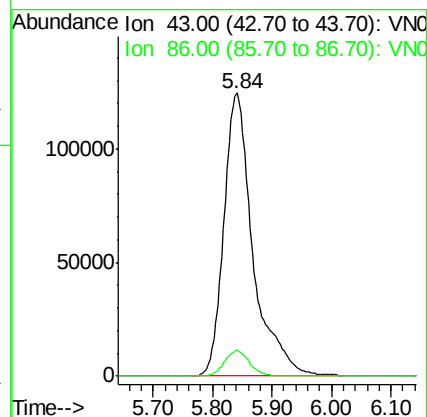
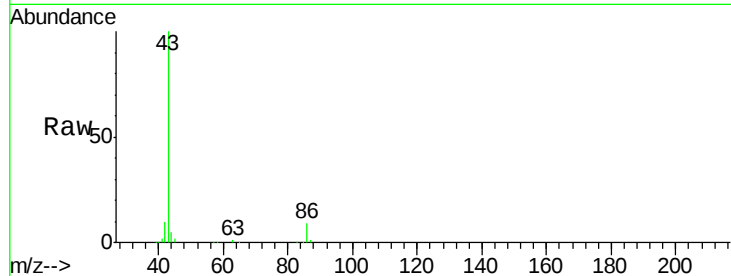
VN0506MBS01

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#24

1,1-Dichloroethane

Concen: 21.753 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

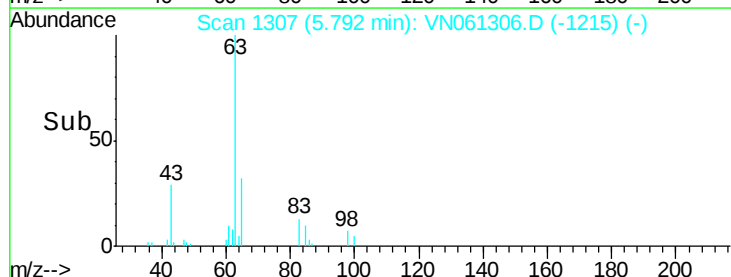
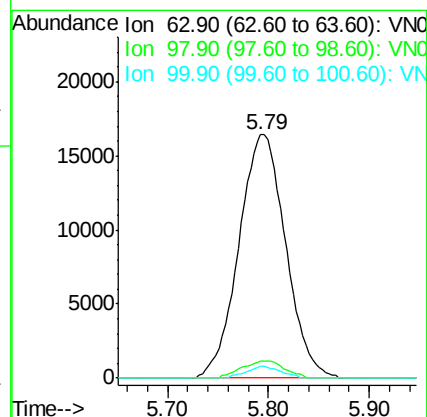
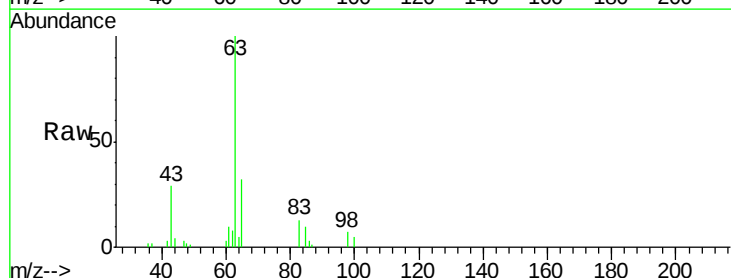
Tgt Ion: 63 Resp: 52828

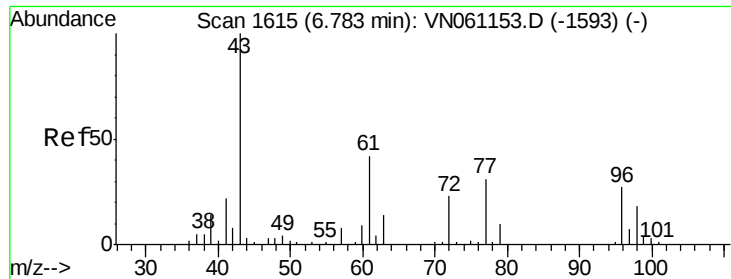
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.7 1.9 5.7





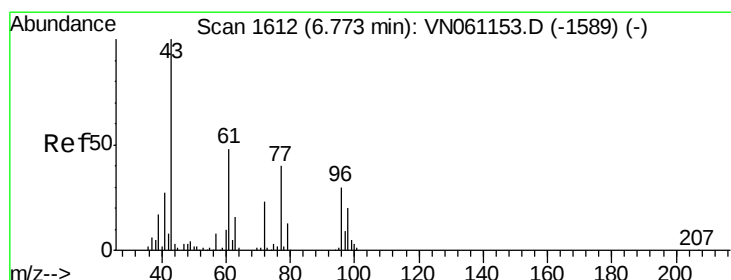
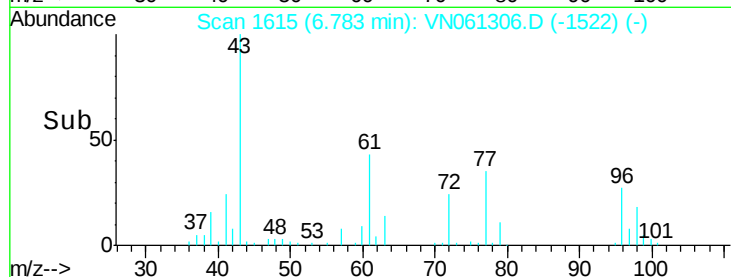
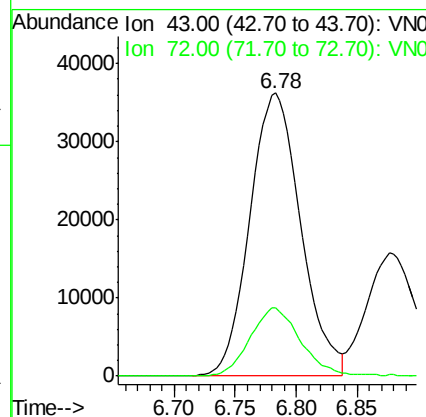
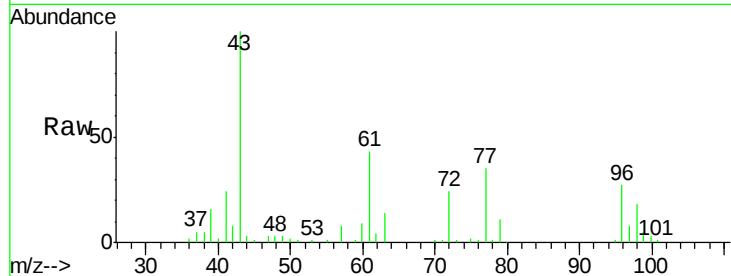
#25
2-Butanone
Concen: 109.455 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion: 43 Resp: 105003
Ion Ratio Lower Upper
43 100
72 24.0 18.2 27.4

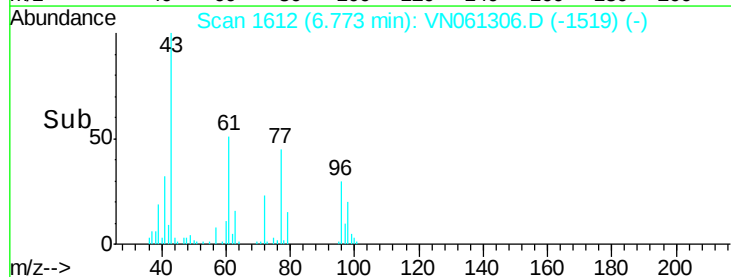
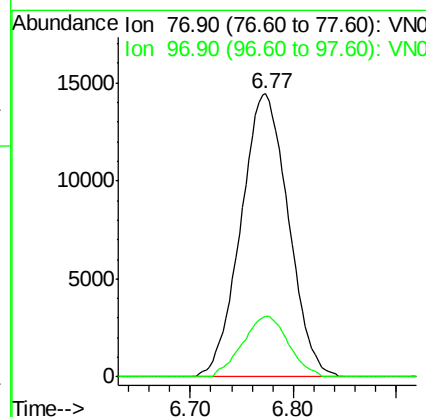
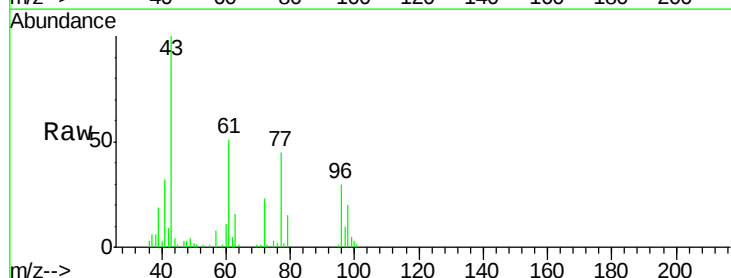
Manual Integrations
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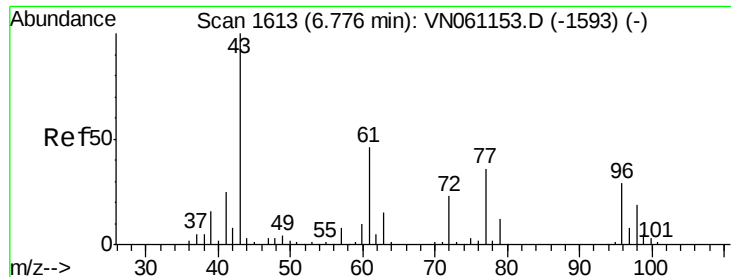
MMDadoda
5/7/2020 10:36:30 AM



#26
2,2-Dichloropropane
Concen: 22.612 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion: 77 Resp: 46254
Ion Ratio Lower Upper
77 100
97 20.7 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 21.164 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

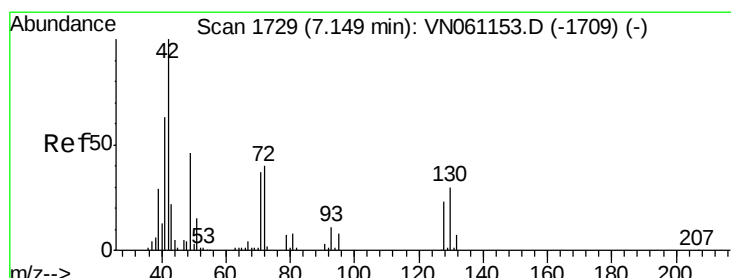
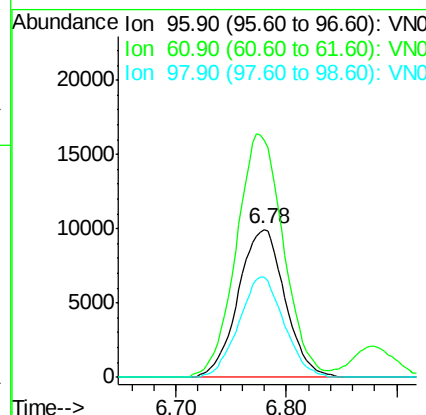
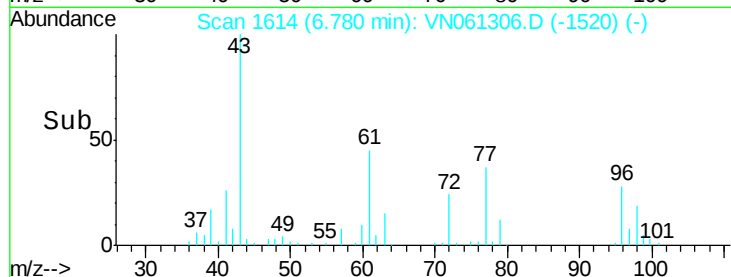
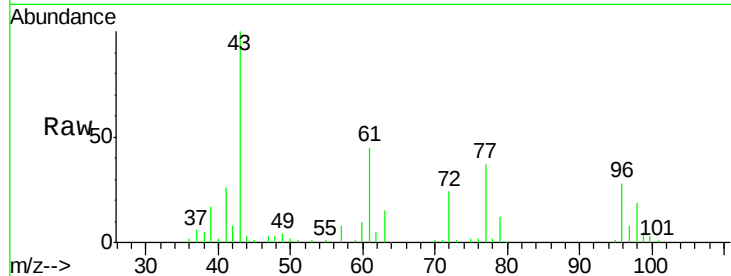
ClientSampled :

VN0506MBS01

Tot Ion:	96	Resp:	29236
Ion	Ratio	Lower	Upper
96	100		
61	165.5	0.0	322.0
98	65.3	0.0	129.6

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#28

Bromochloromethane

Concen: 25.349 ug/l

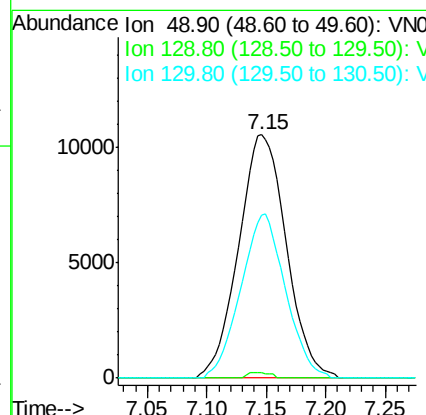
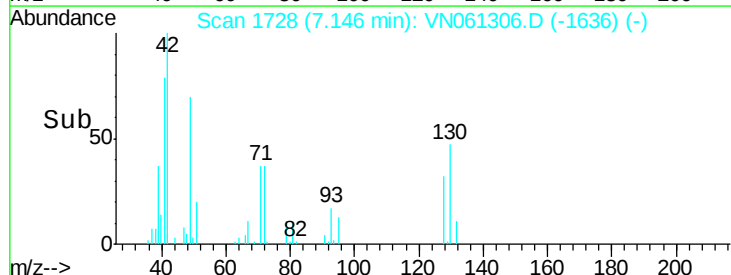
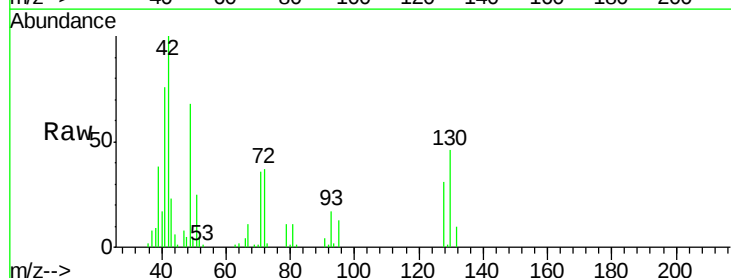
RT: 7.15 min Scan# 1728

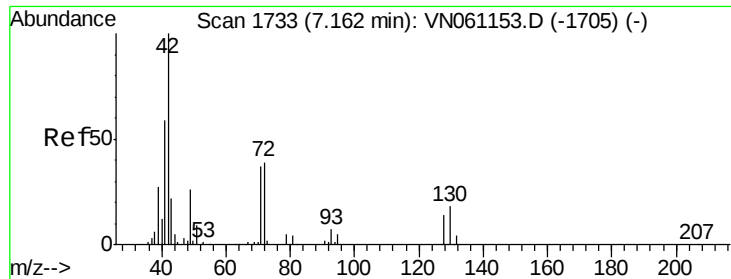
Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion:	49	Resp:	29179
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	63.1	51.4	77.2





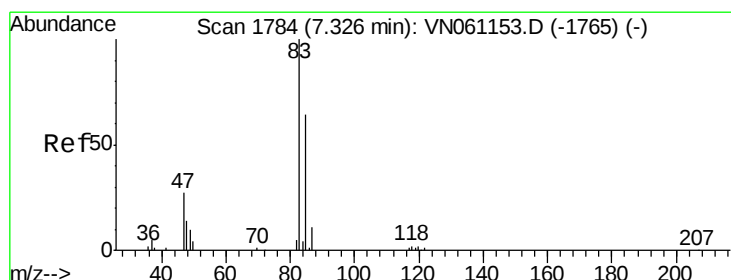
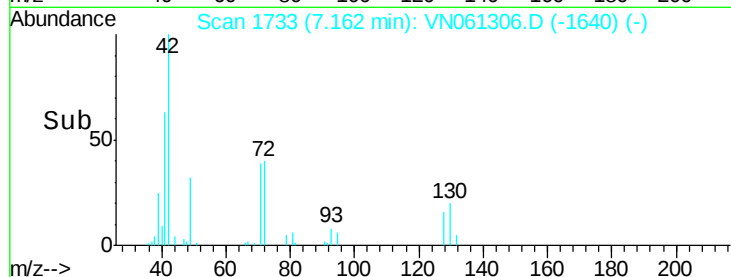
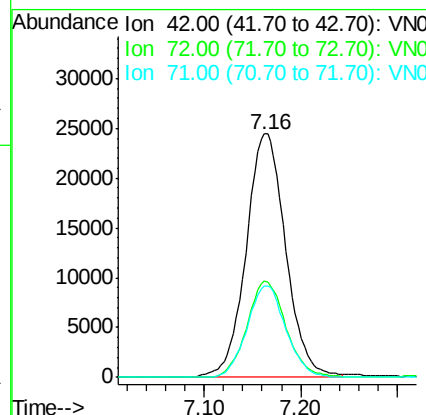
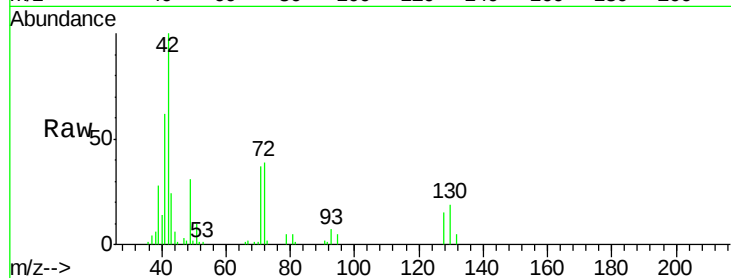
#29
Tetrahydrofuran
Concen: 107.604 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.4	47.0
71	36.7	29.5	44.3

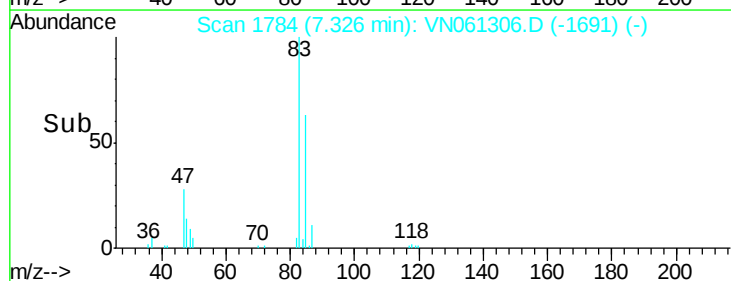
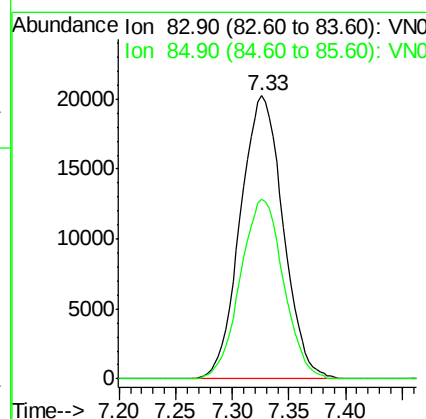
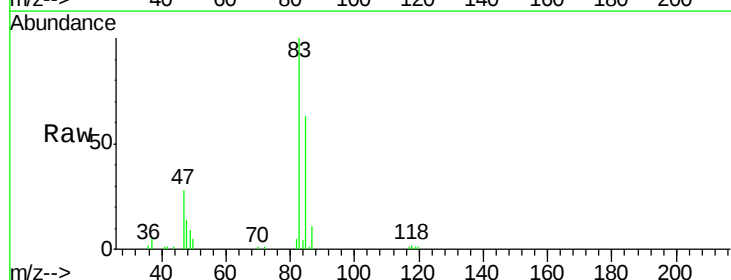
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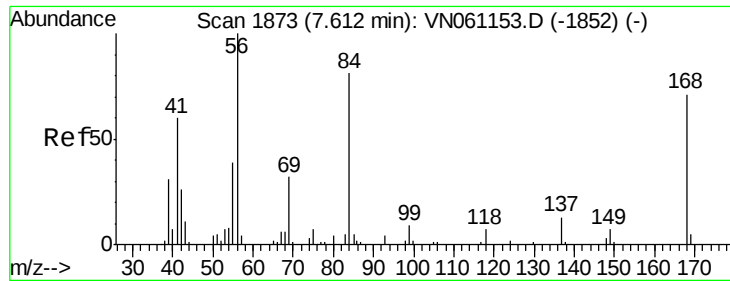
MMDadoda
5/7/2020 10:36:30 AM



#30
Chloroform
Concen: 21.718 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7





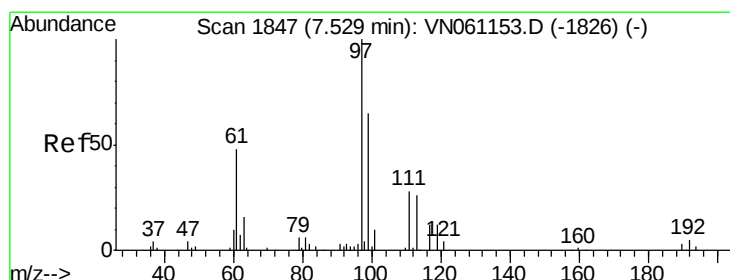
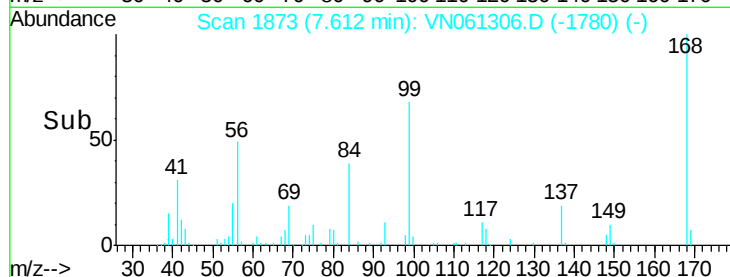
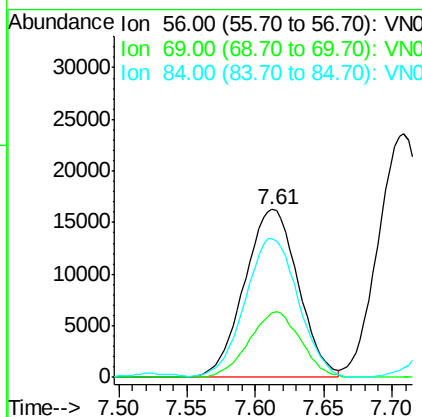
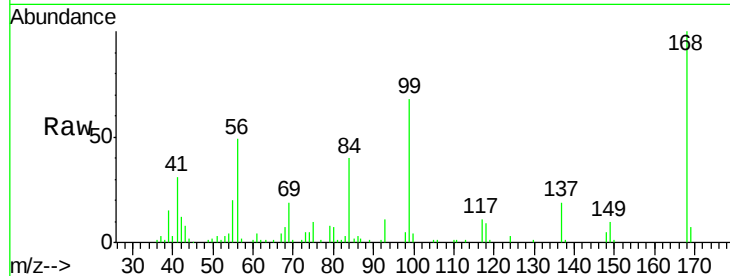
#31
Cyclohexane
Concen: 18.887 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	25.7	38.5
84	82.8	64.6	97.0

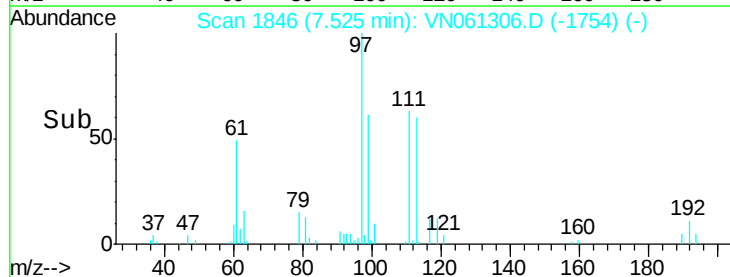
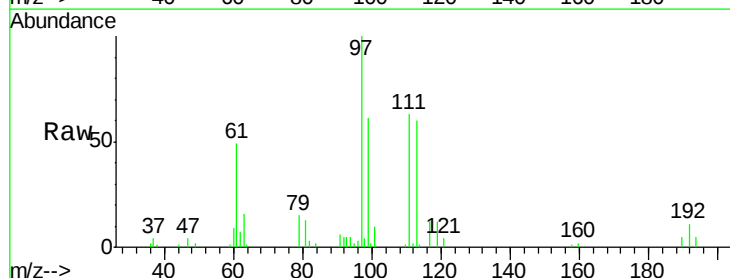
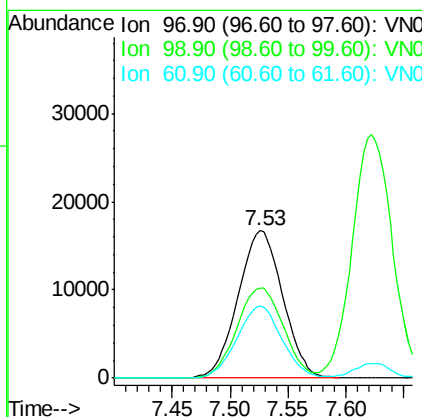
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#32
1,1,1-Trichloroethane
Concen: 20.933 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	49.1	38.6	57.8





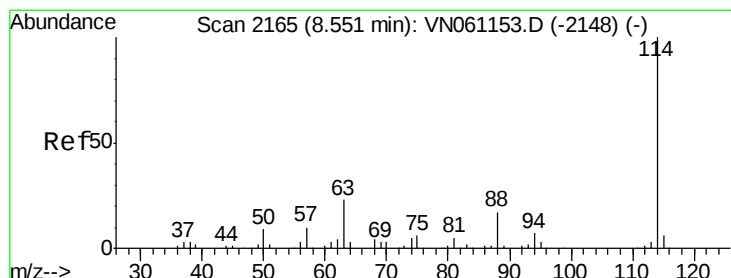
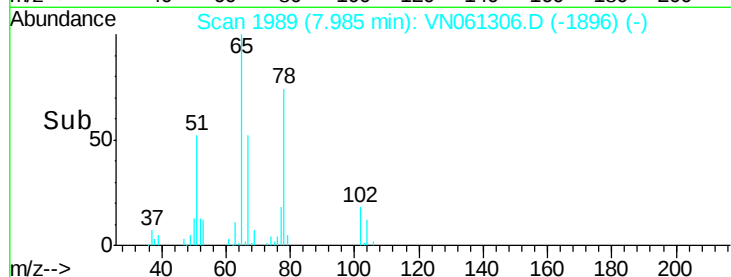
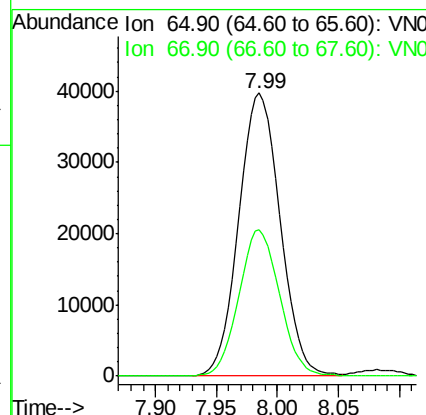
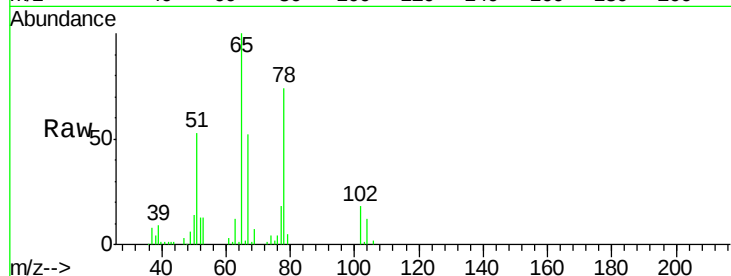
#33
 1,2-Dichloroethane-d4
 Concen: 57.608 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.6

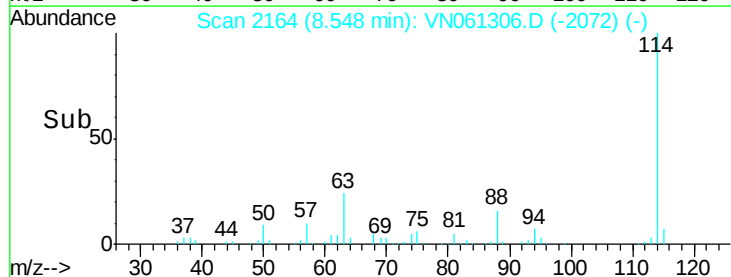
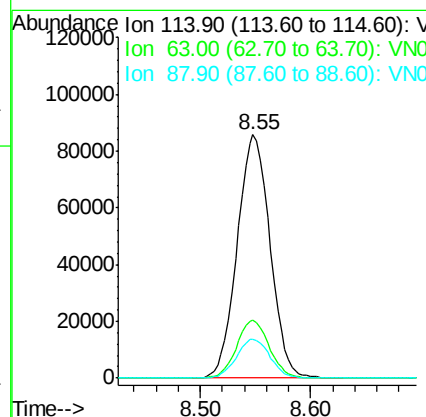
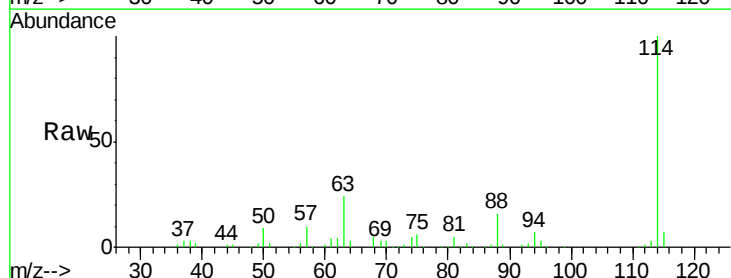
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	46.6
88	16.1	0.0	33.4





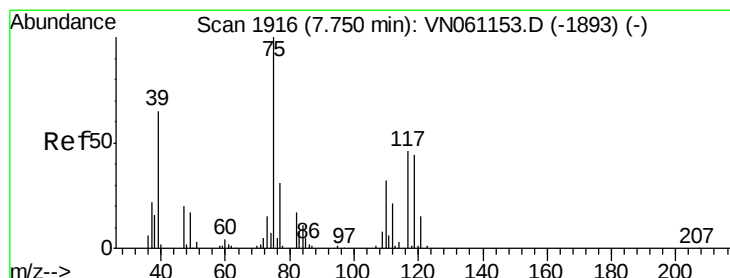
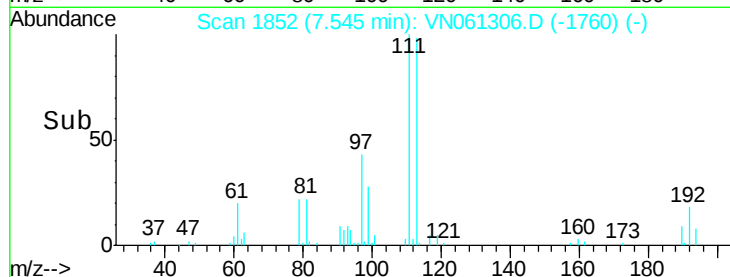
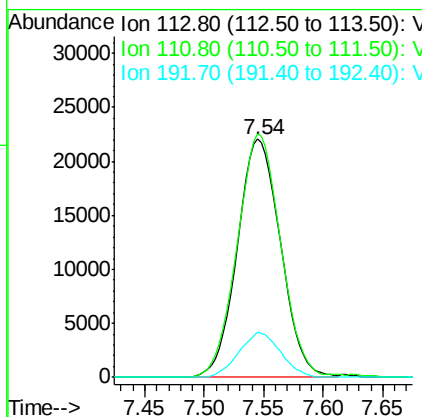
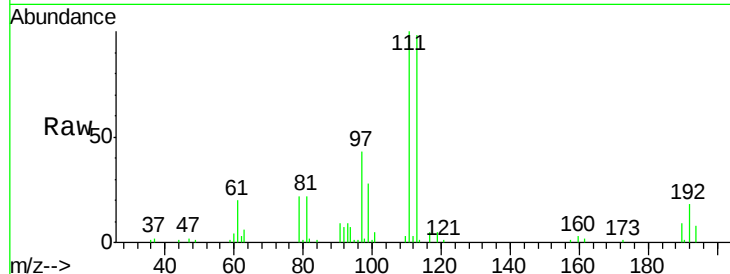
#35
 Dibromofluoromethane
 Concen: 53.124 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

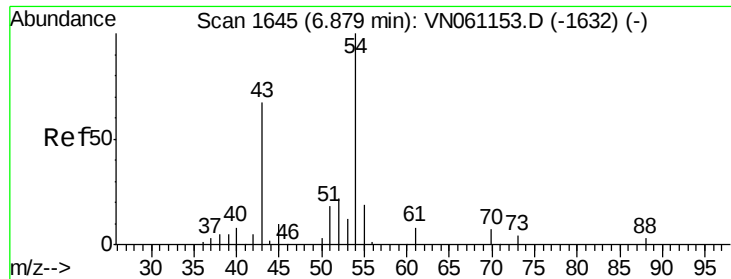
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	18.1	14.7	22.1

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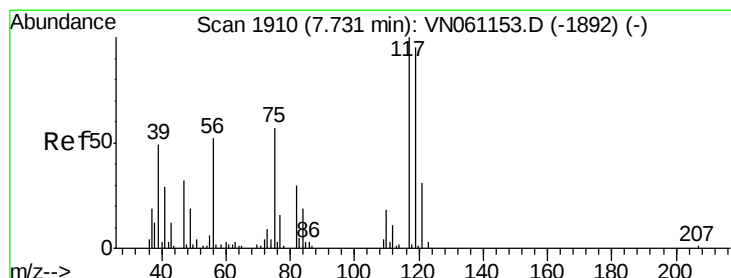
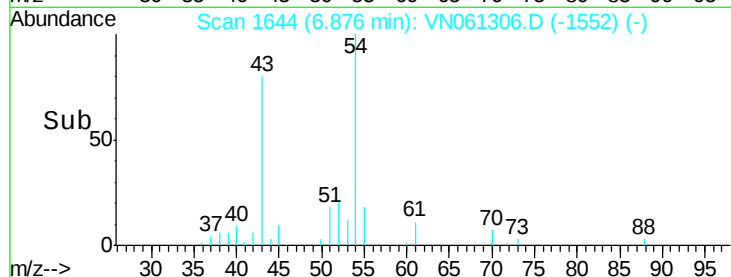
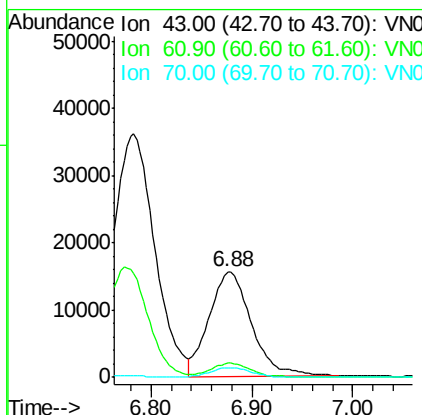
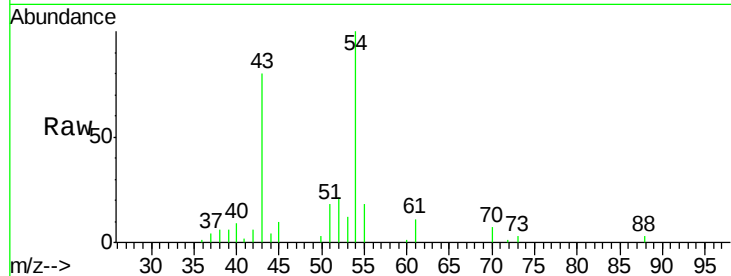
#37
Ethyl Acetate
Concen: 21.800 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.2
70	8.9	7.2	10.8

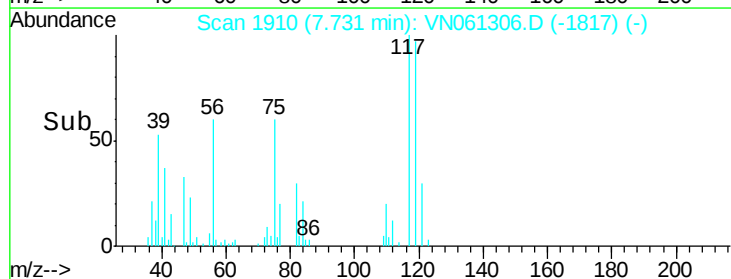
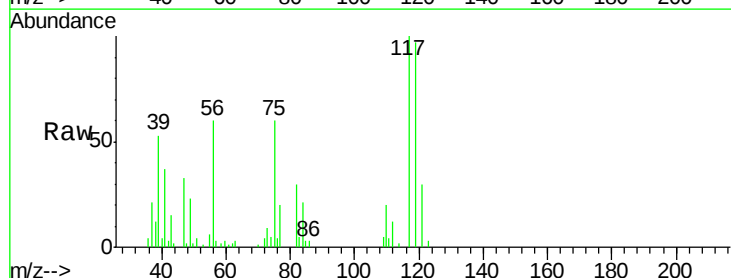
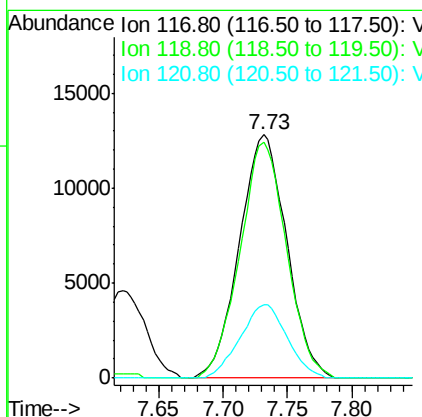
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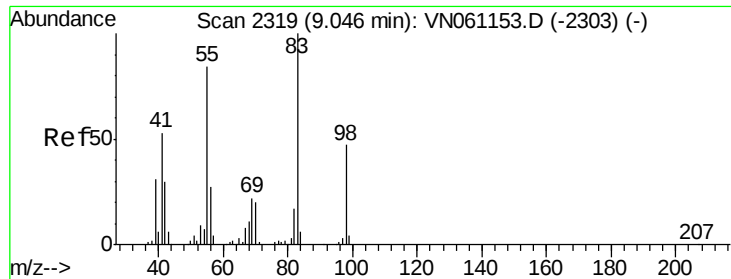
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#38
Carbon Tetrachloride
Concen: 21.585 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.6
121	30.0	24.7	37.1





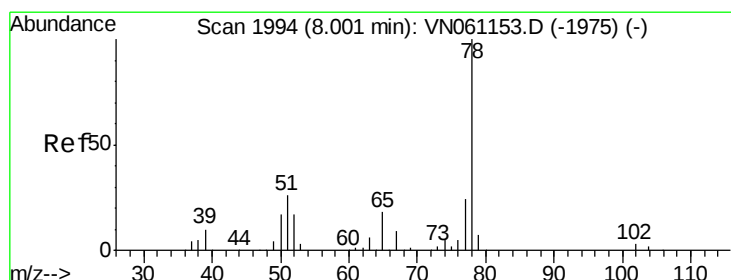
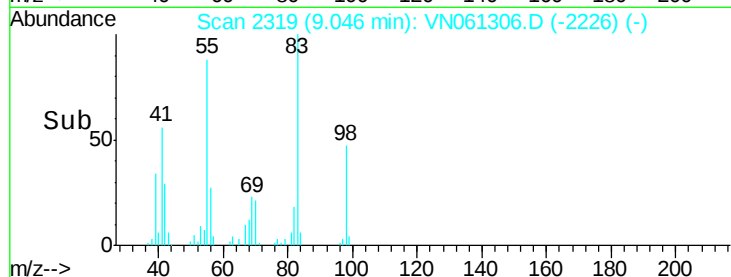
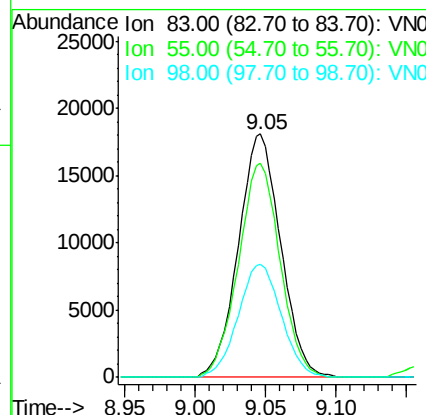
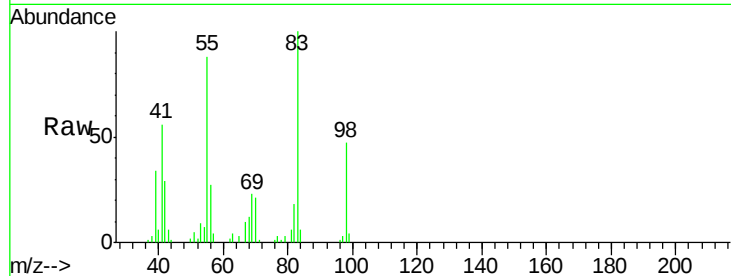
#39
Methvlcvclohexane
Concen: 19.077 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Tot Ion	83	Resp	37936
Ion Ratio	Lower	Upper	
83	100		
55	87.7	67.3	100.9
98	46.6	37.7	56.5

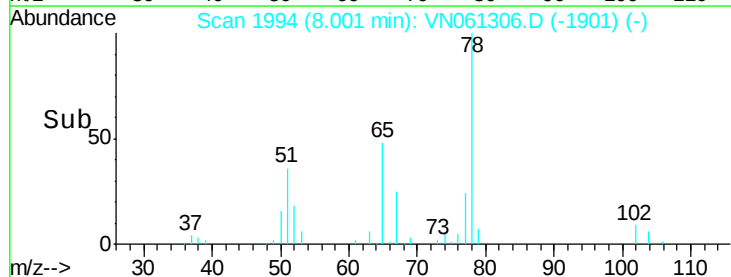
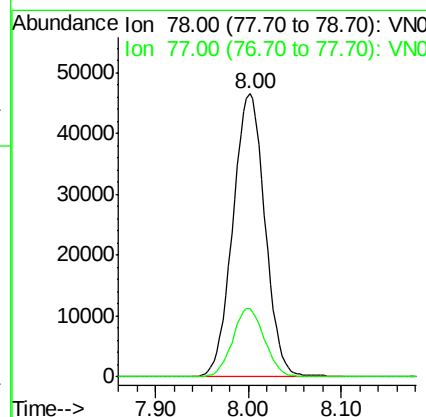
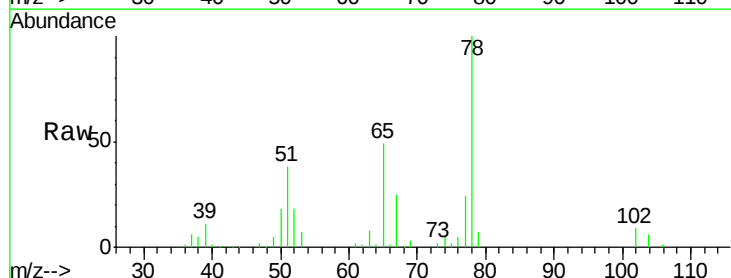
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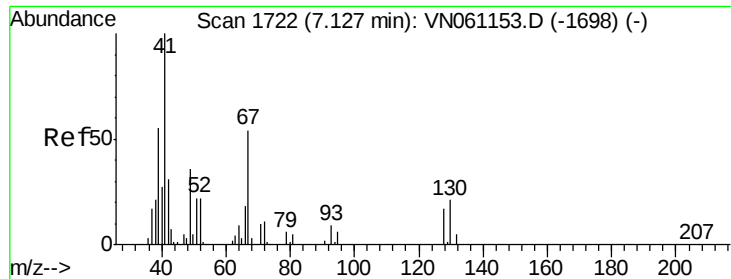
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#40
Benzene
Concen: 21.182 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	78	Resp	111896
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.0	28.6





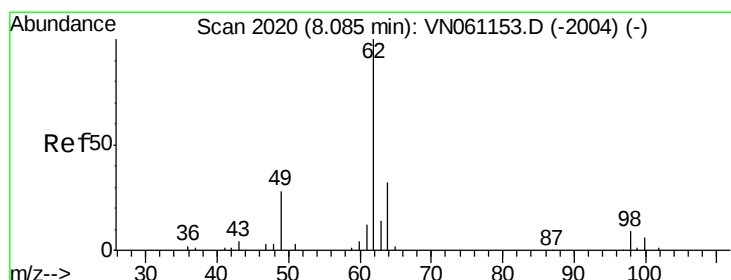
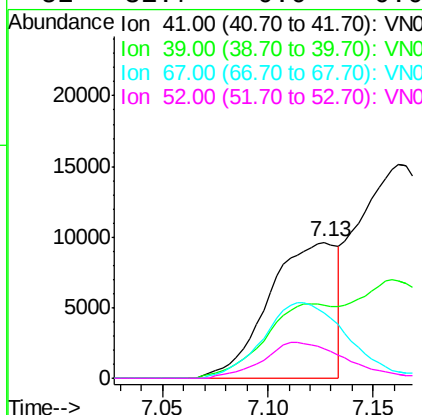
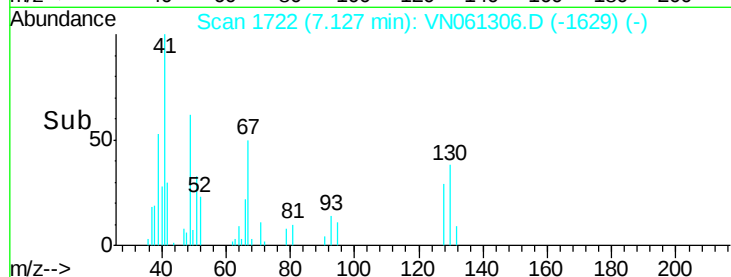
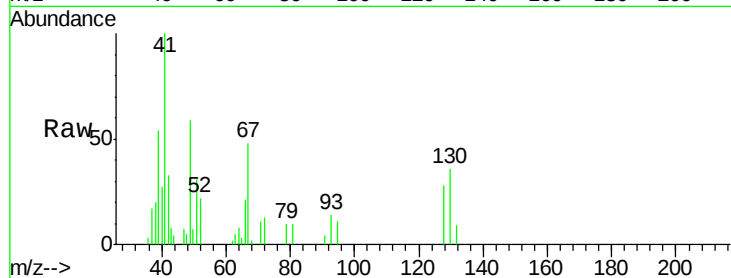
#41
Methacrylonitrile
Concen: 25.165 ug/l
RT: 7.13 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion	41	Resp	21720
Ion	Ratio	Lower	Upper
41	100		
39	56.5	0.0	0.0#
67	69.0	0.0	0.0#
52	31.7	0.0	0.0#

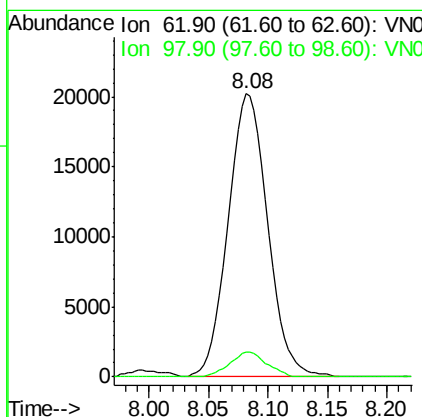
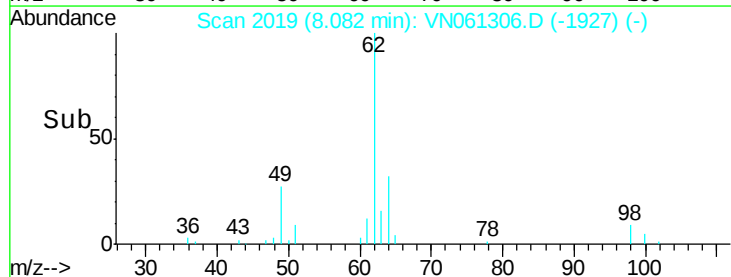
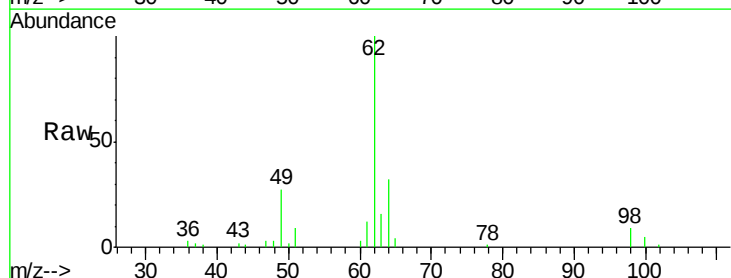
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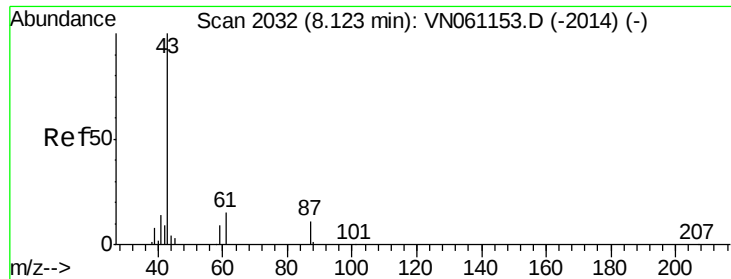
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#42
1,2-Dichloroethane
Concen: 23.308 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	62	Resp	46646
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





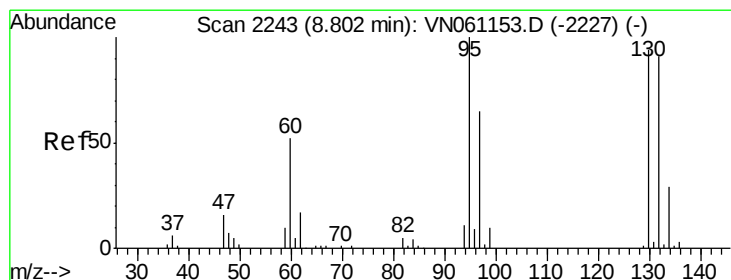
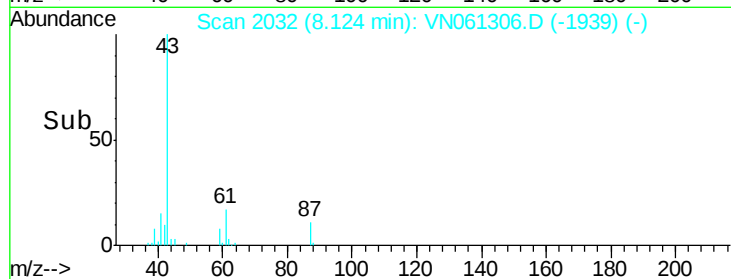
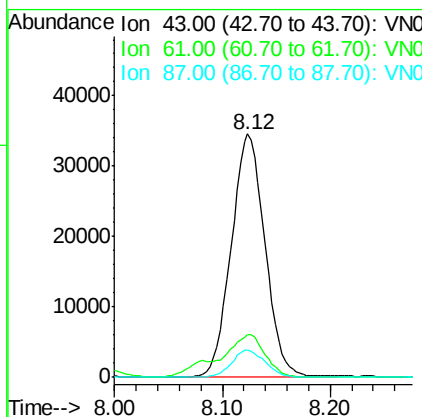
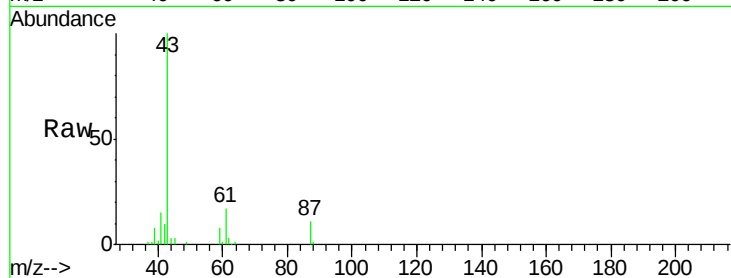
#43
Isopropyl Acetate
Concen: 21.876 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	19.5	29.3#
87	11.0	8.9	13.3

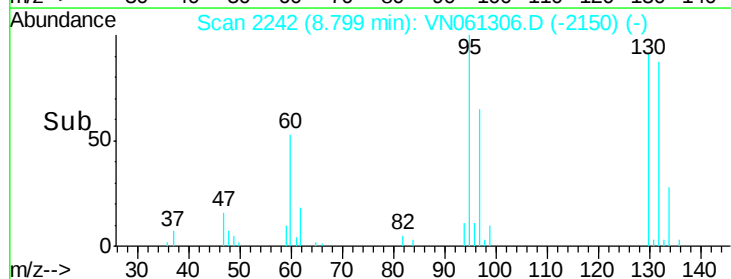
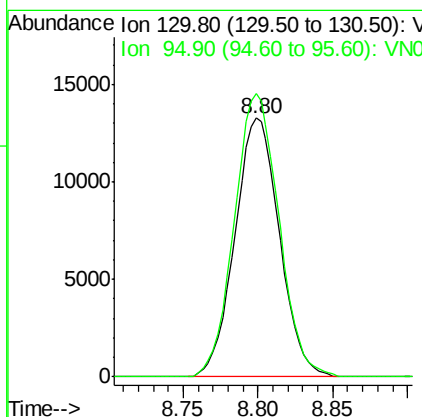
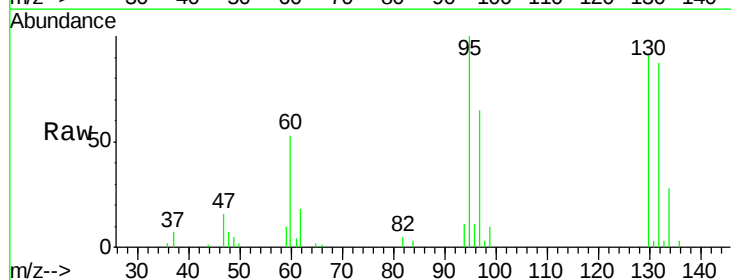
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#44
Trichloroethene
Concen: 19.254 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.5	0.0	212.4





#45

1,2-Dichloropropane

Concen: 22.244 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBS01

Tot Ion: 63 Resp: 31393

Ion Ratio Lower Upper

63 100

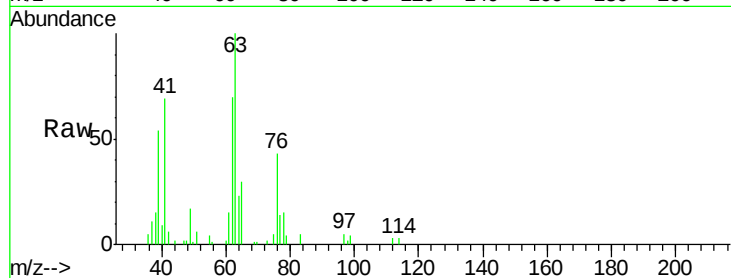
65 30.1 24.7 37.1

Manual Integrations

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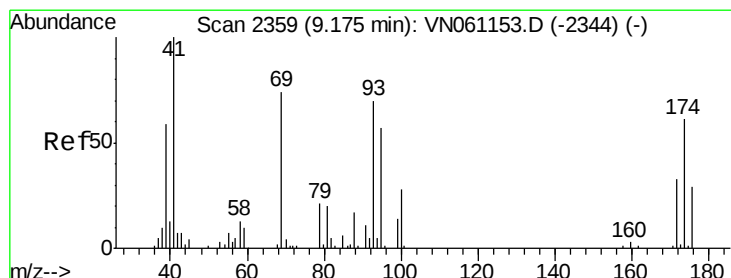
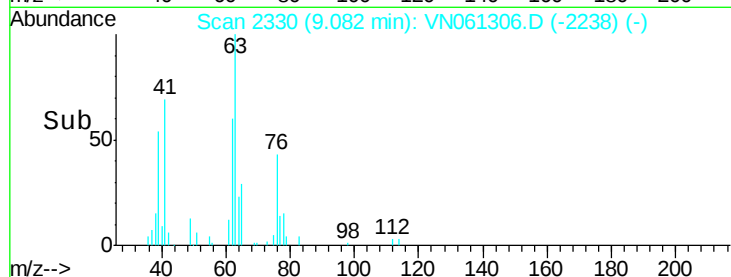
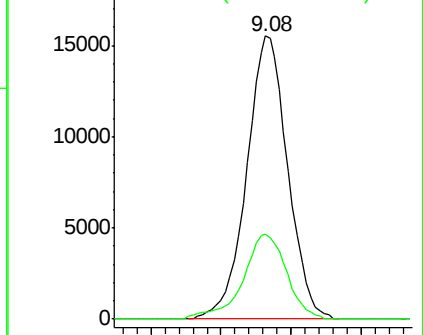
MMDadoda

5/7/2020 10:36:30 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 22.955 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

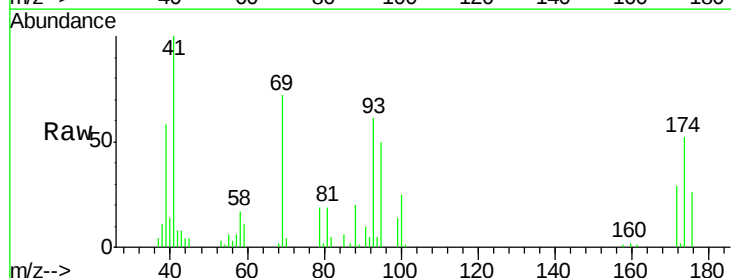
Tgt Ion: 93 Resp: 20059

Ion Ratio Lower Upper

93 100

95 80.2 66.6 99.8

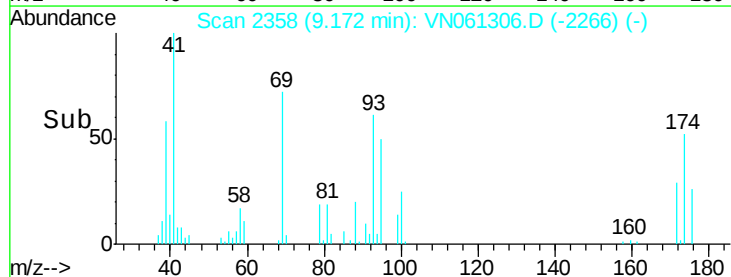
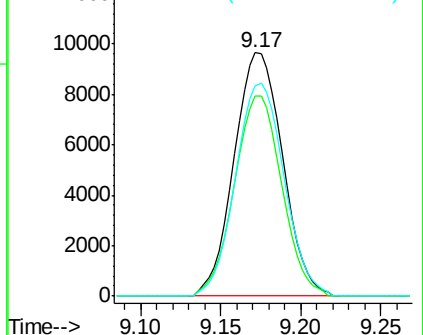
174 87.5 70.2 105.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.544 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

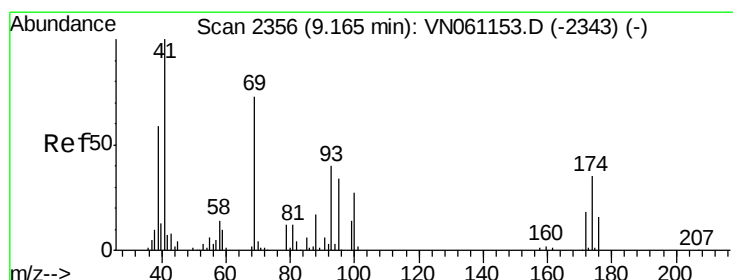
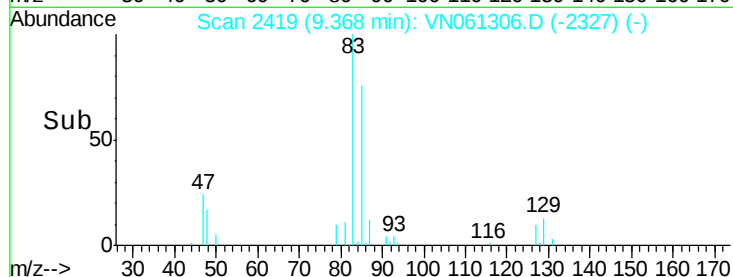
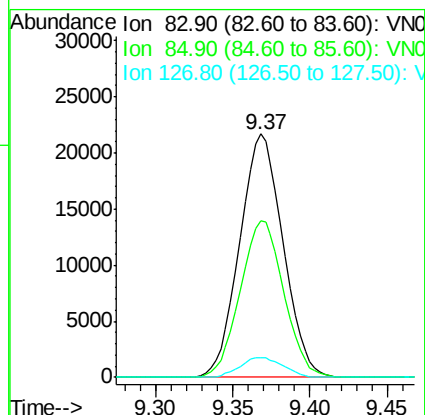
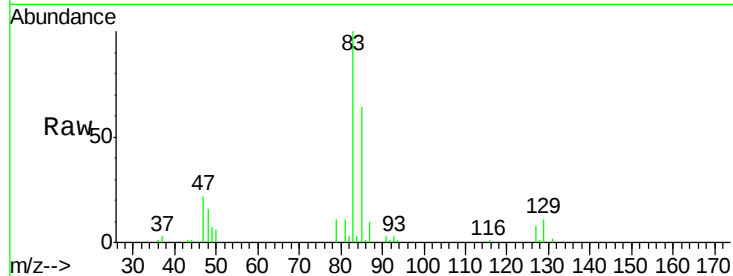
ClientSampleId :

VN0506MBS01

Tot Ion:	83	Resp:	42284
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6
127	8.3	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.293 ug/l

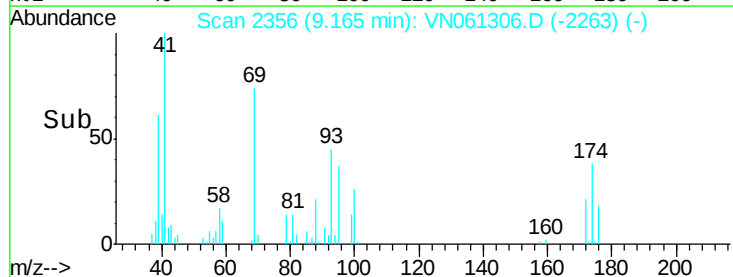
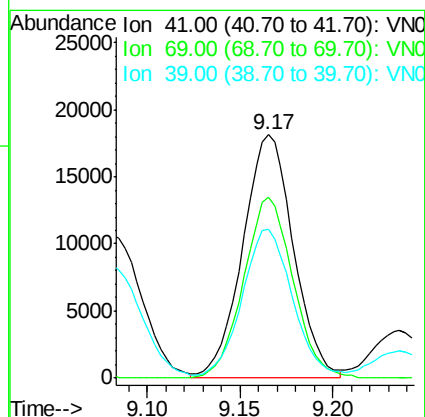
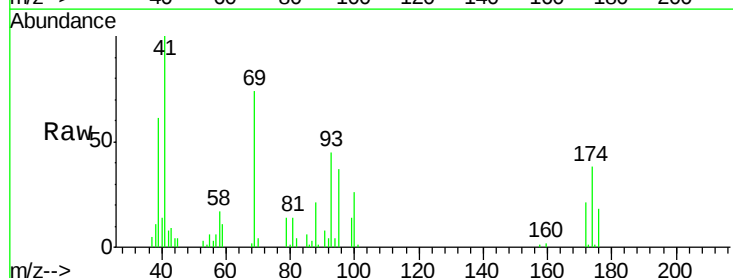
RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion:	41	Resp:	34706
Ion	Ratio	Lower	Upper
41	100		
69	72.1	60.3	90.5
39	61.2	47.4	71.0





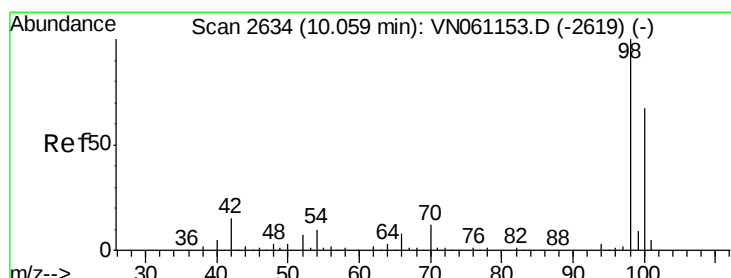
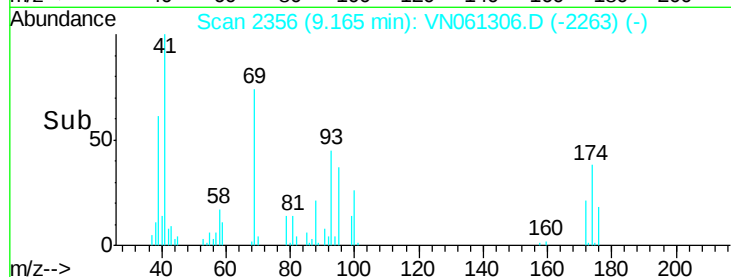
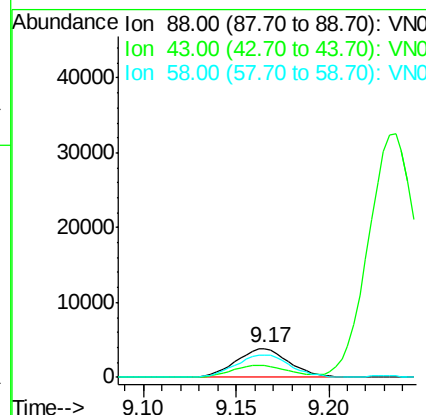
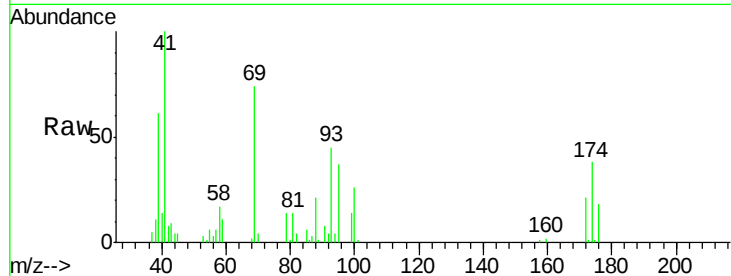
#49
1,4-Dioxane
Concen: 428.885 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.4	35.3	52.9
58	80.1	61.5	92.3

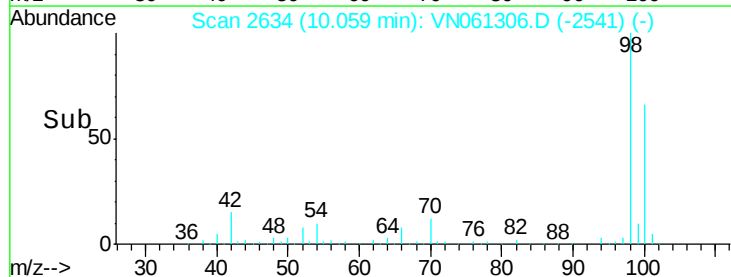
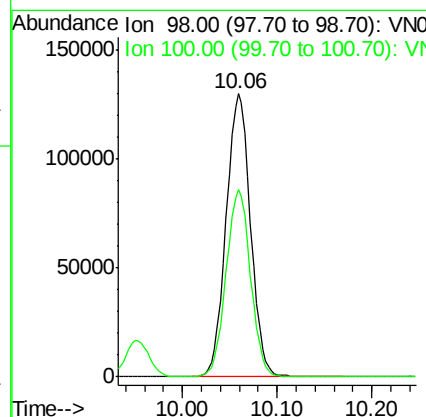
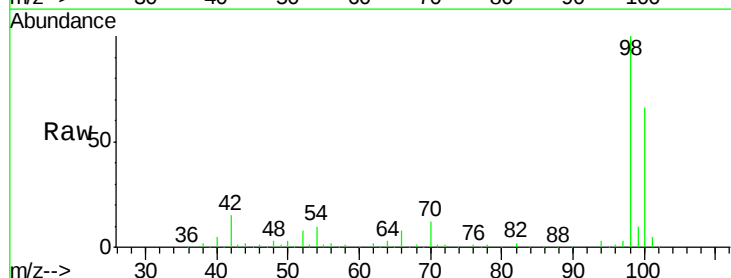
Manual Integrations
APPROVED

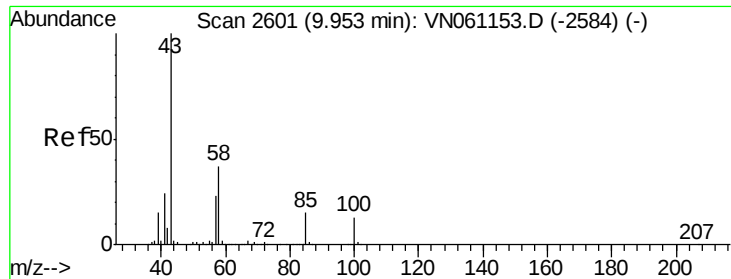
MMDadoda
5/7/2020 10:36:30 AM



#50
Toluene-d8
Concen: 54.603 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.0





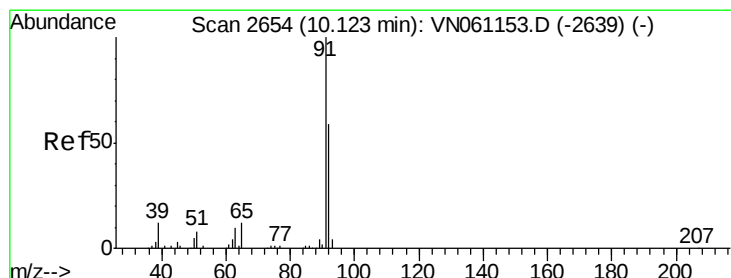
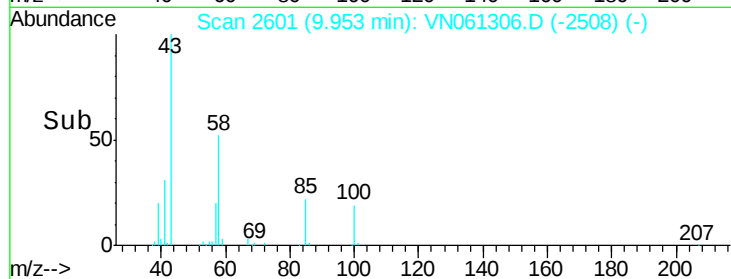
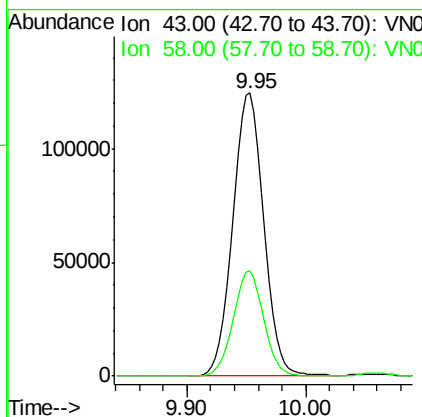
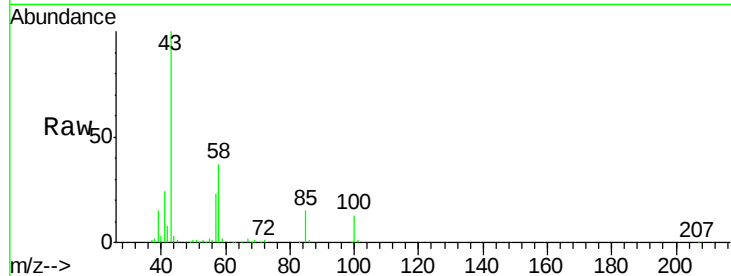
#51
4-Methyl-2-Pentanone
Concen: 110.777 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion	43	Resp	224953
Ion Ratio	100	Lower	Upper
43	100		
58	36.3	29.1	43.7

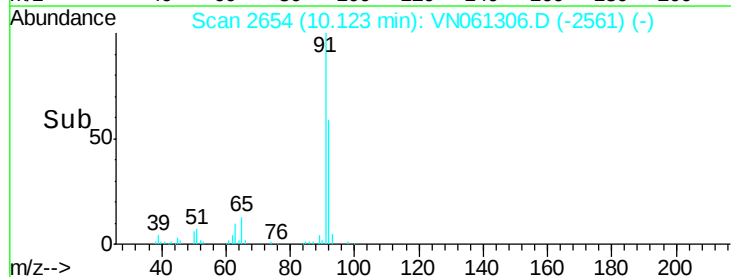
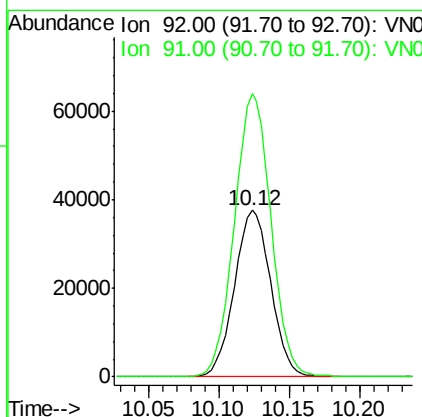
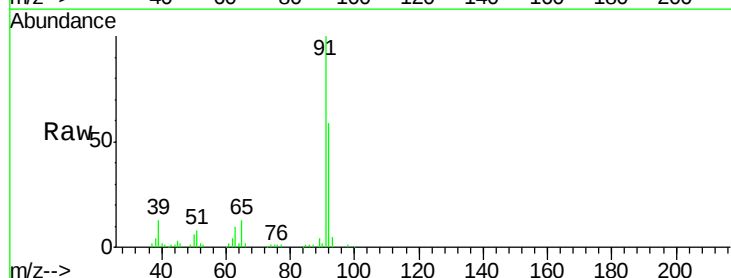
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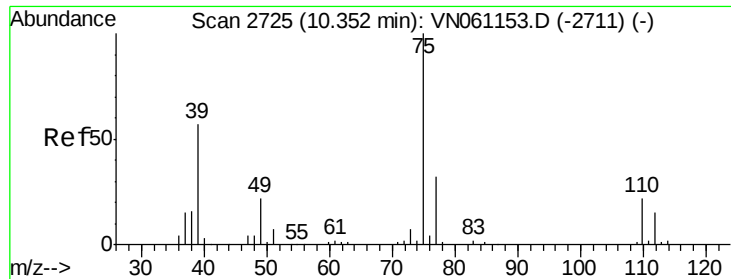
MMDadoda
5/7/2020 10:36:30 AM



#52
Toluene
Concen: 21.403 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	92	Resp	68104
Ion Ratio	100	Lower	Upper
92	100		
91	171.0	136.2	204.2





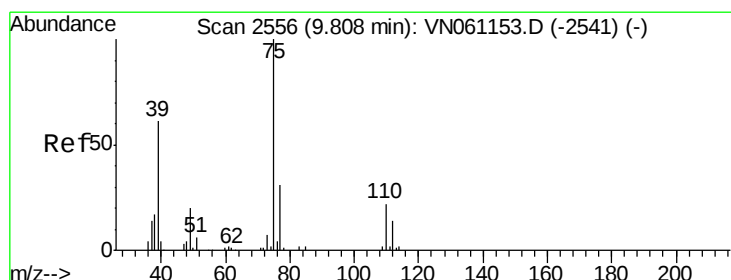
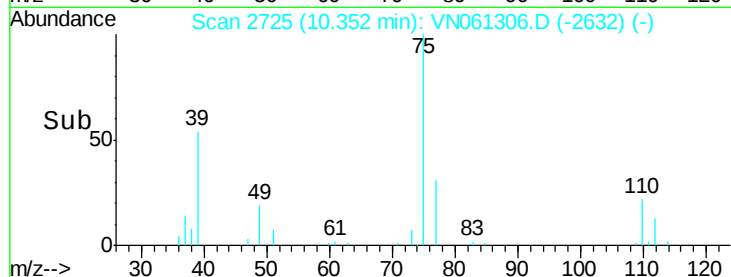
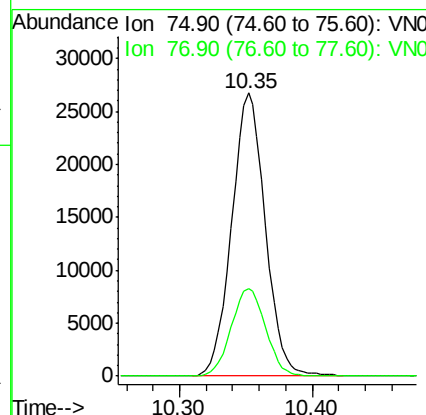
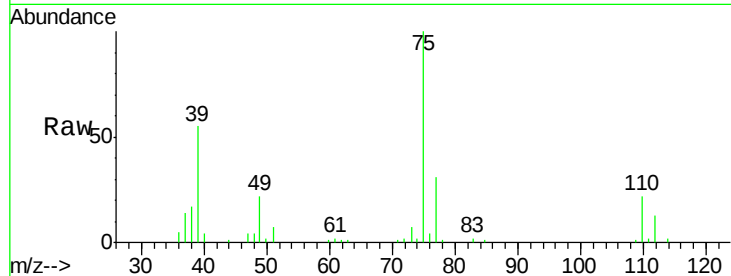
#53
t-1,3-Dichloropropene
Concen: 22.241 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Tot Ion: 75 Resp: 47005
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3

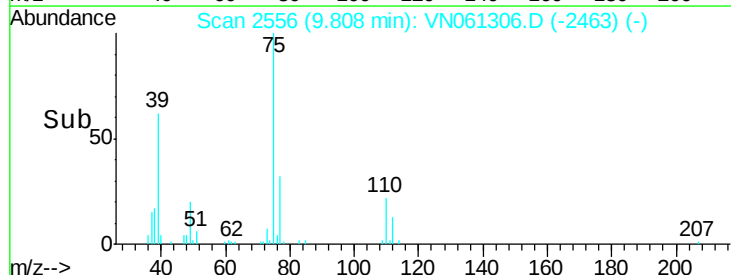
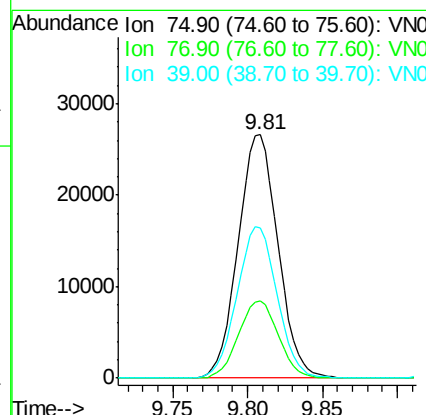
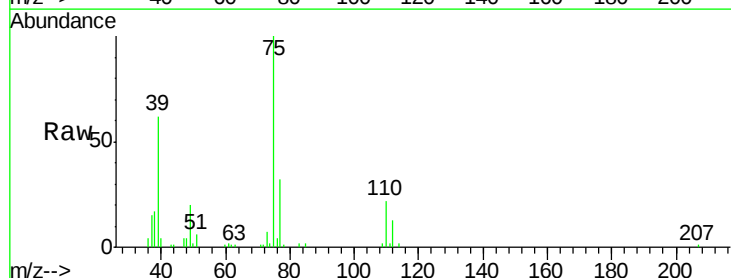
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MMDadoda
5/7/2020 10:36:30 AM



#54
cis-1,3-Dichloropropene
Concen: 22.081 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion: 75 Resp: 49336
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.4
39 61.6 48.7 73.1





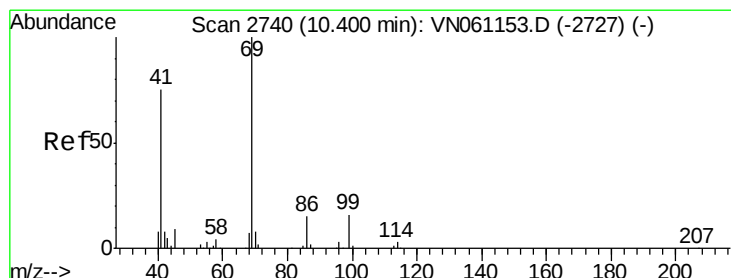
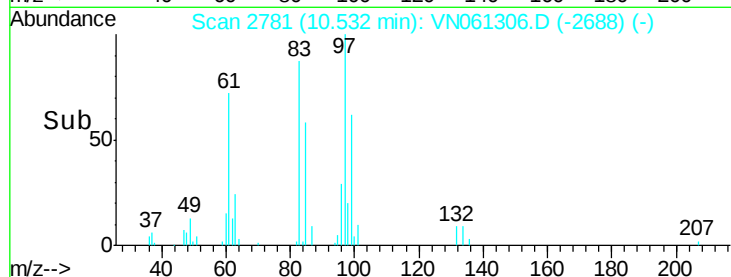
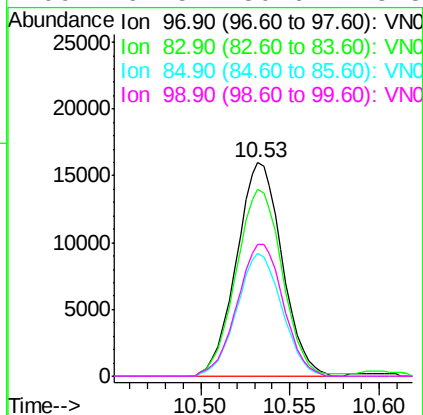
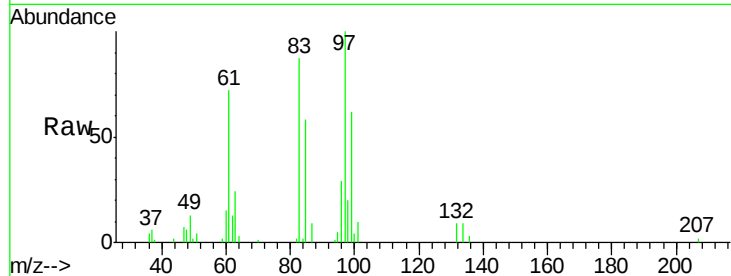
#55
 1,1,2-Trichloroethane
 Concen: 22.358 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506MBS01

Tot Ion:	97	Resp:	28377
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.6	106.0
85	57.5	46.4	69.6
99	61.5	50.6	75.8

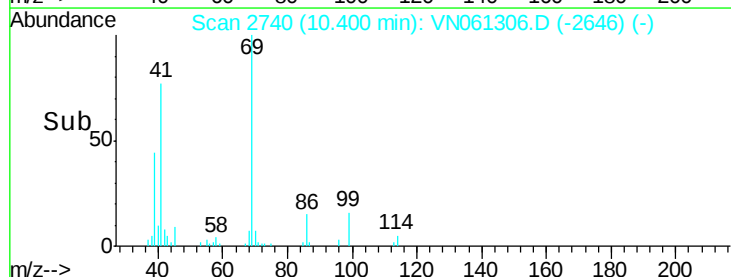
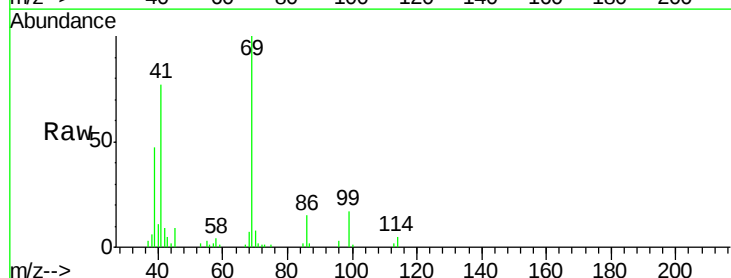
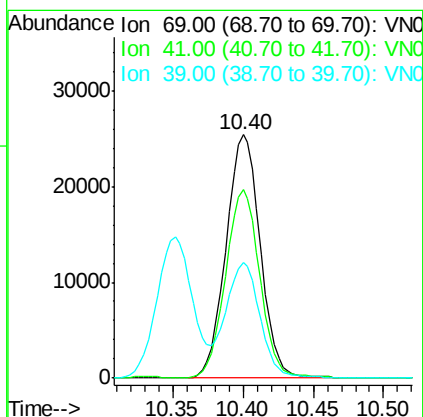
Manual Integrations
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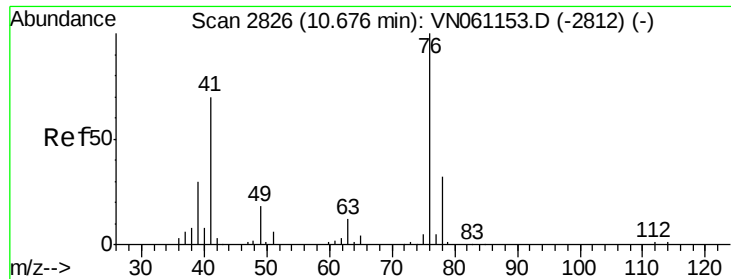
MMDadoda
 5/7/2020 10:36:30 AM



#56
 Ethyl methacrylate
 Concen: 21.172 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Tgt Ion:	69	Resp:	43147
Ion	Ratio	Lower	Upper
69	100		
41	77.7	60.3	90.5
39	47.4	35.9	53.9





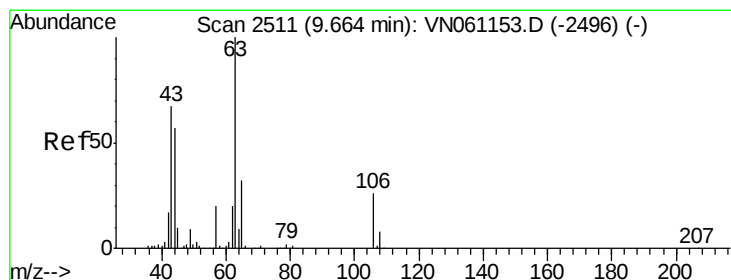
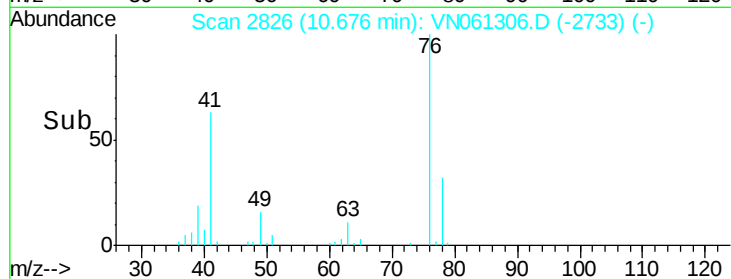
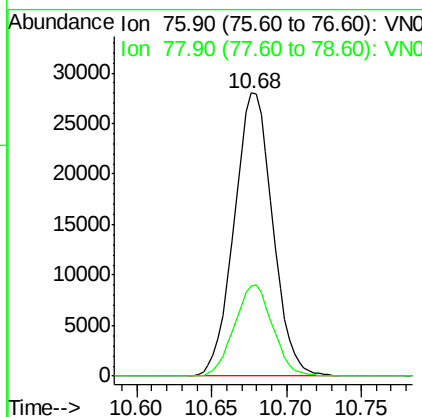
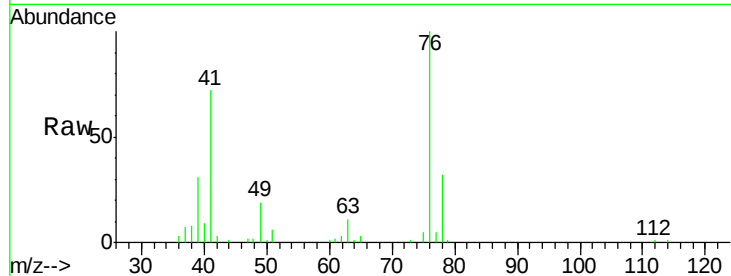
#57
 1,3-Dichloropropane
 Concen: 22.515 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

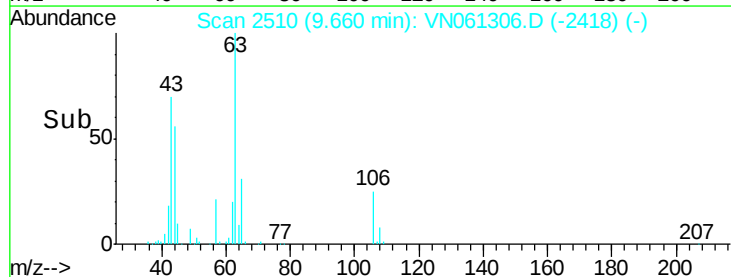
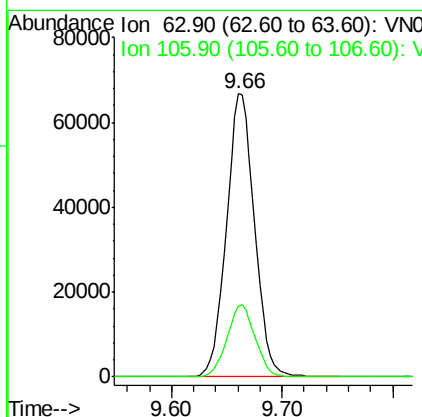
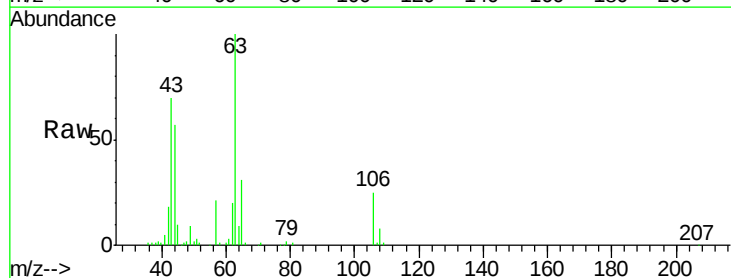
Manual Integrations
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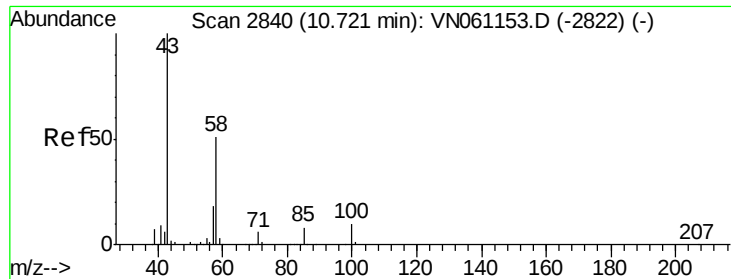
MMDadoda
 5/7/2020 10:36:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.442 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	20.6	30.8





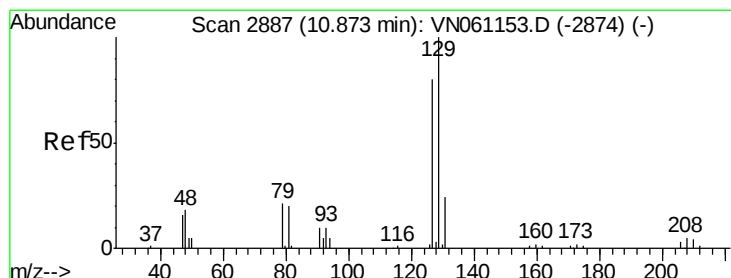
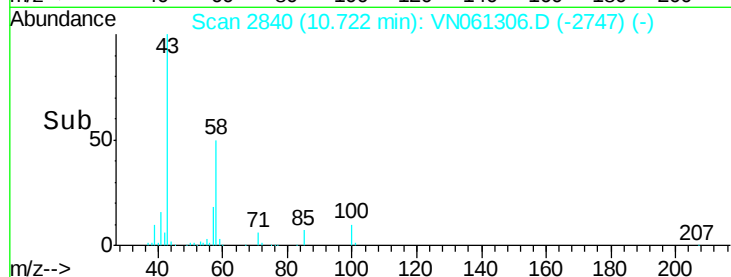
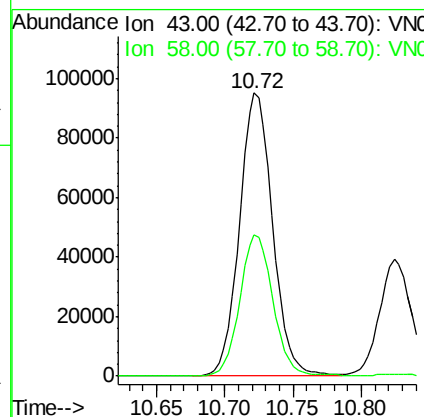
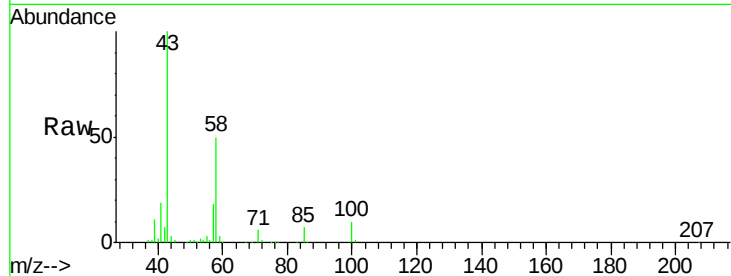
#59
2-Hexanone
Concen: 108.650 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion	43	Resp	160515
Ion Ratio	43	100	
Lower	58	49.8	25.4
Upper			76.4

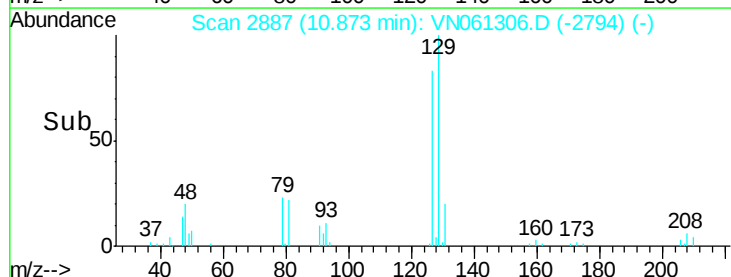
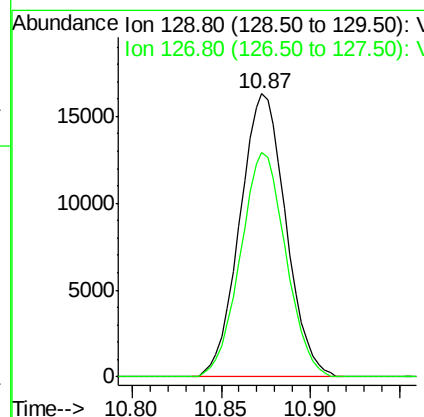
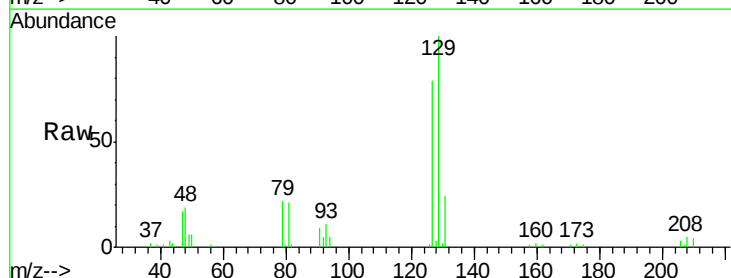
Manual Integrations
APPROVED

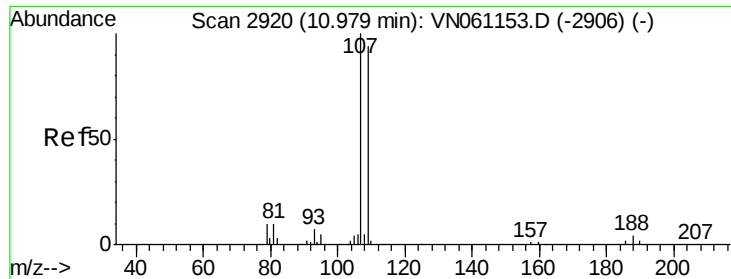
MMDadoda
5/7/2020 10:36:30 AM



#60
Dibromochloromethane
Concen: 22.075 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	129	Resp	29344
Ion Ratio	129	100	
Lower	127	78.1	39.3
Upper			117.8





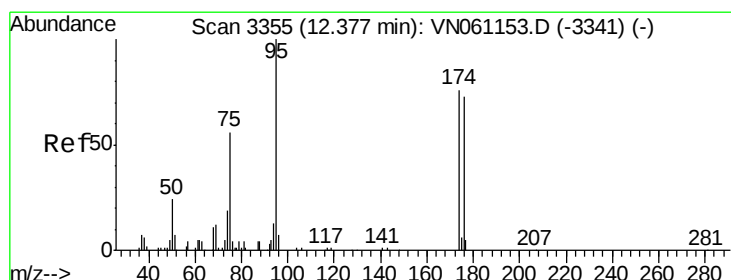
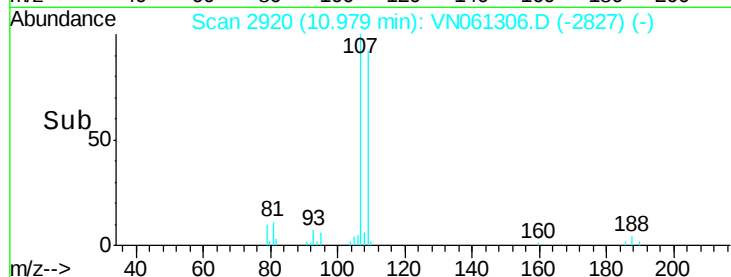
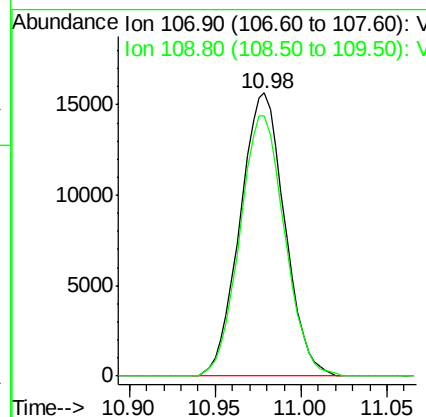
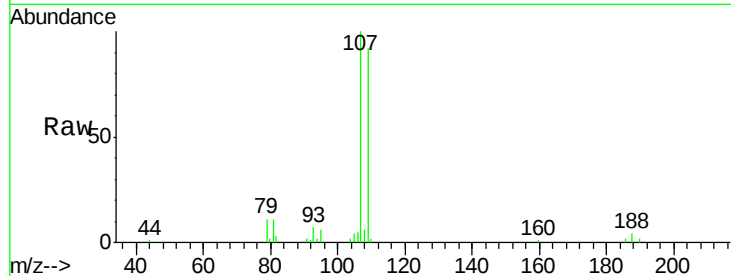
#61
 1,2-Dibromoethane
 Concen: 22.195 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.8	112.2

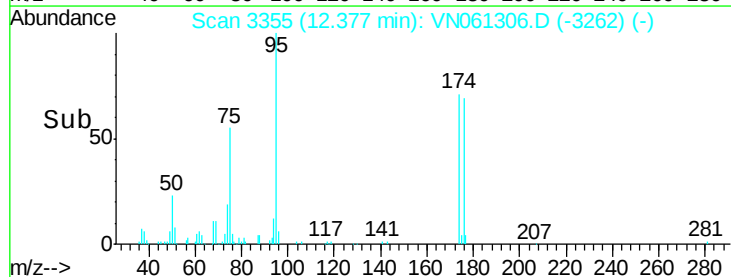
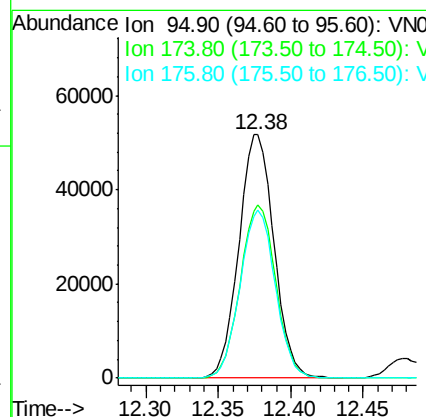
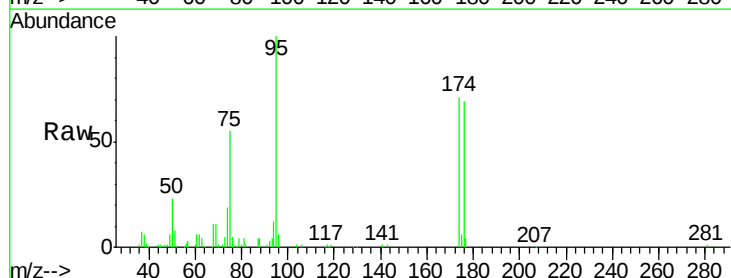
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#62
 4-Bromofluorobenzene
 Concen: 54.172 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	149.4
176	69.1	0.0	144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBS01

Tot Ion:117 Resp: 163920

Ion Ratio Lower Upper

117 100

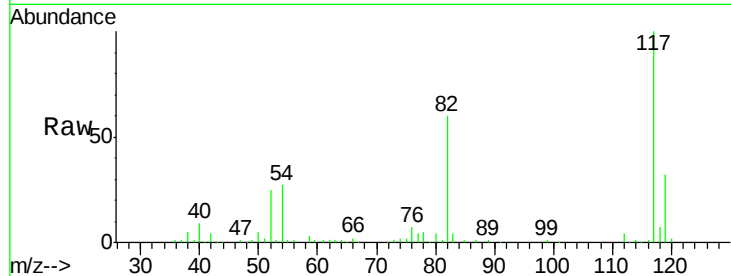
82 60.4 47.8 71.8

119 31.6 25.8 38.6

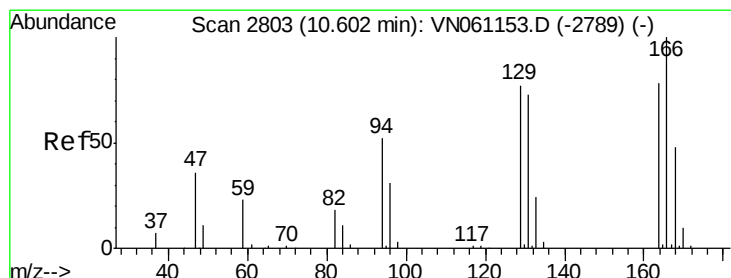
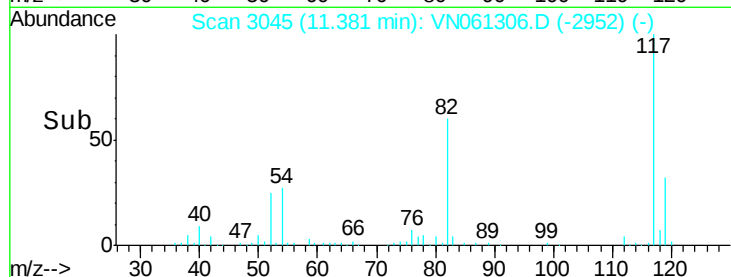
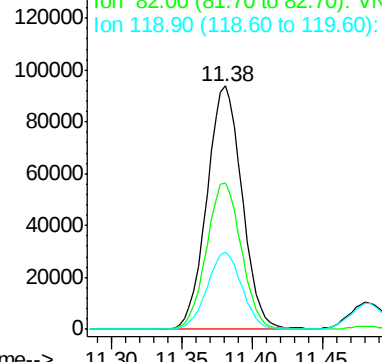
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.990 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion:164 Resp: 26960

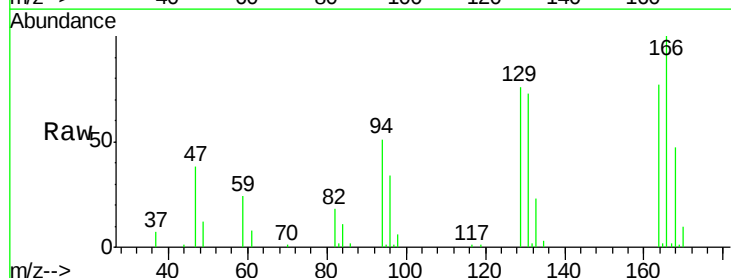
Ion Ratio Lower Upper

164 100

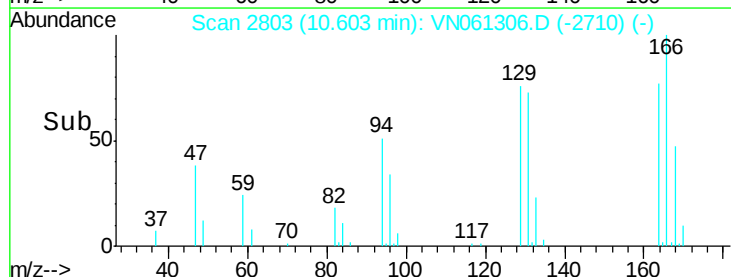
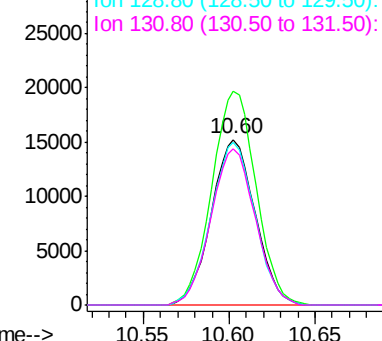
166 129.2 102.0 153.0

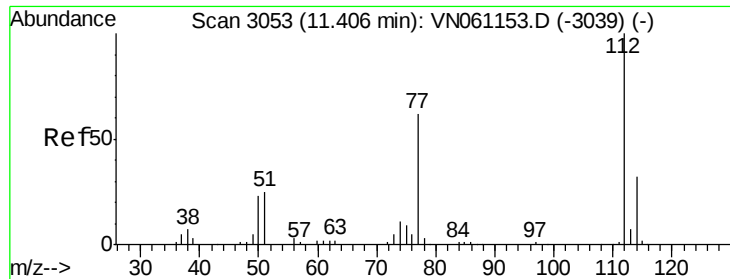
129 98.6 78.2 117.2

131 94.9 74.5 111.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





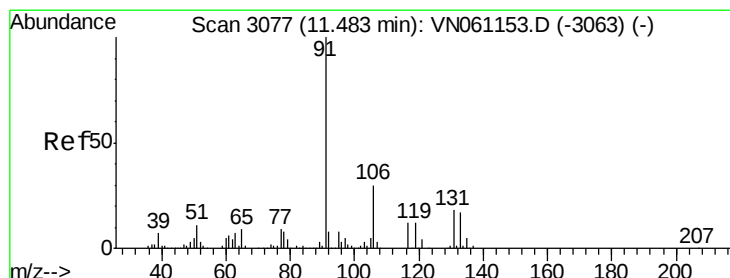
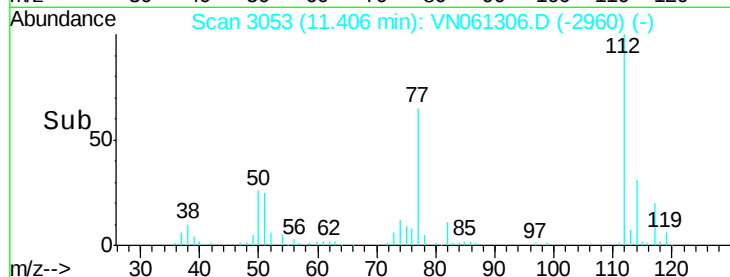
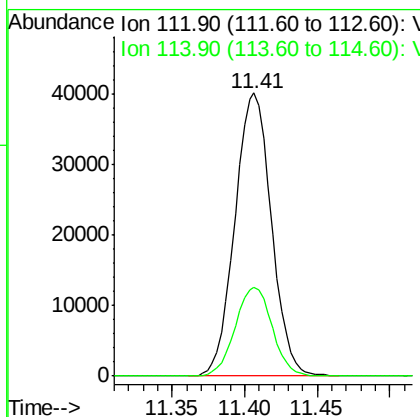
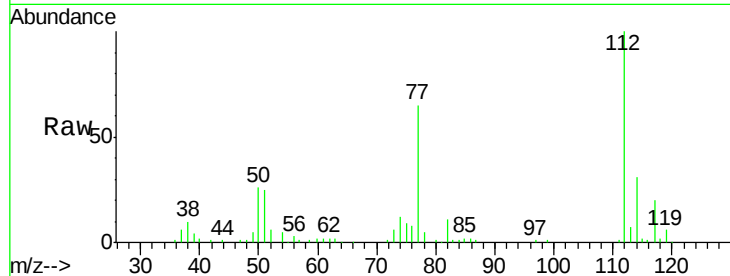
#65
Chlorobenzene
Concen: 21.596 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion:112 Resp: 70222
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

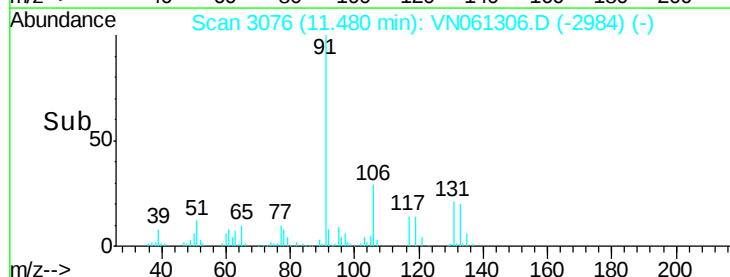
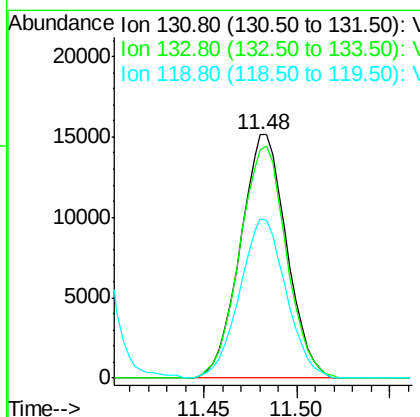
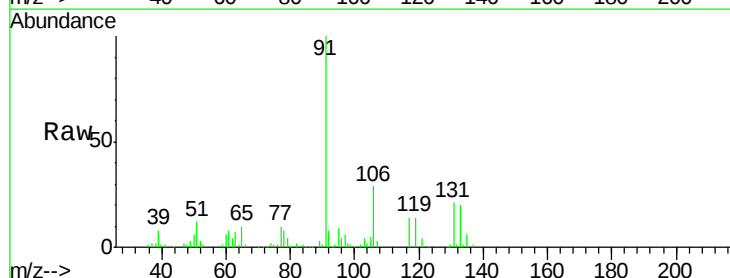
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.648 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion:131 Resp: 26358
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.2
119 65.3 32.6 97.8





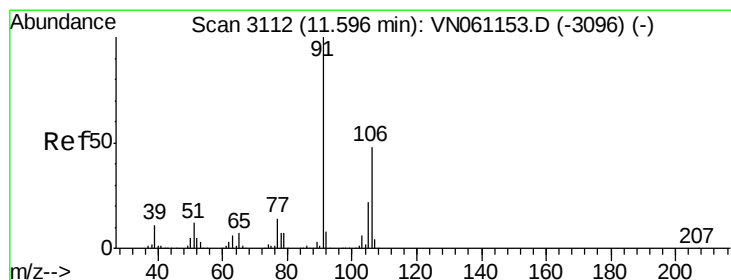
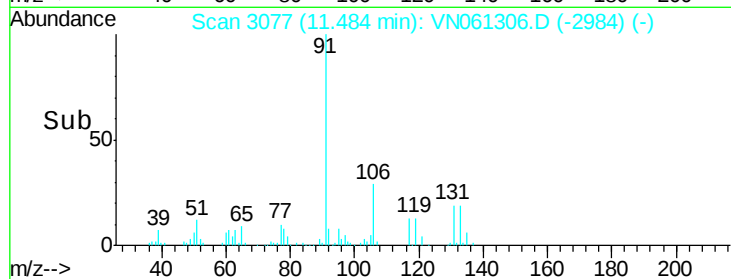
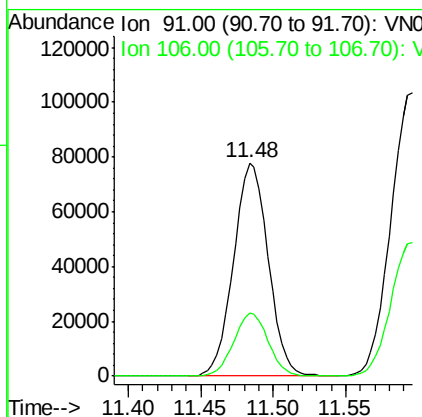
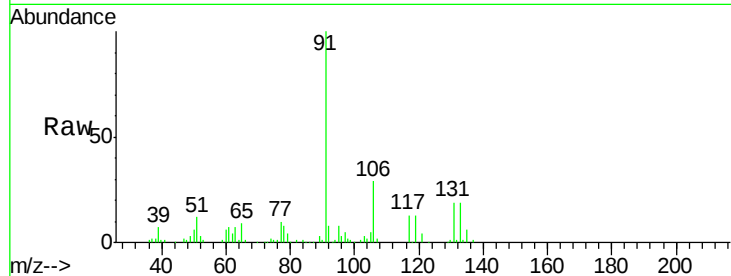
#67
Ethyl Benzene
Concen: 21.253 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.8	35.6

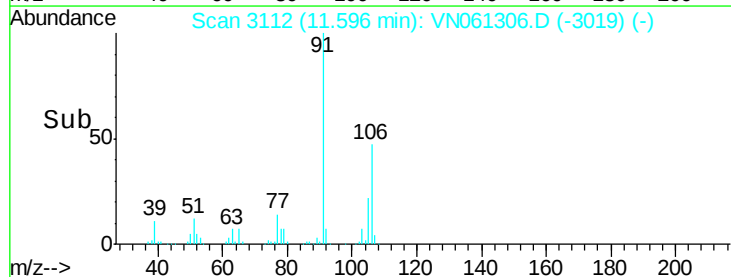
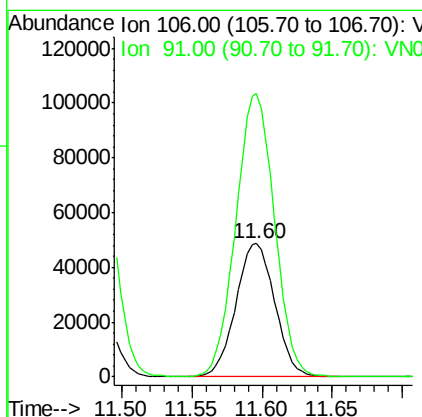
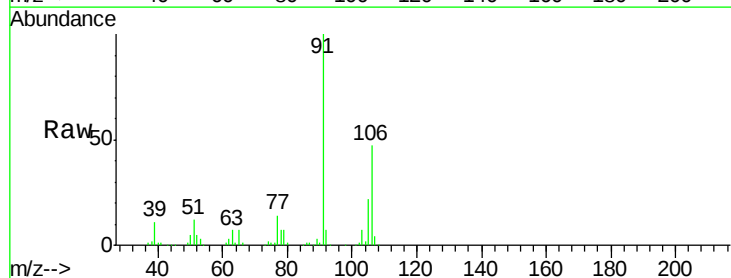
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#68
m/p-Xylenes
Concen: 42.315 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.1	166.4	249.6





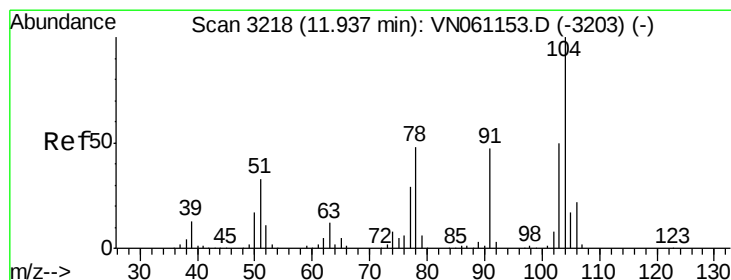
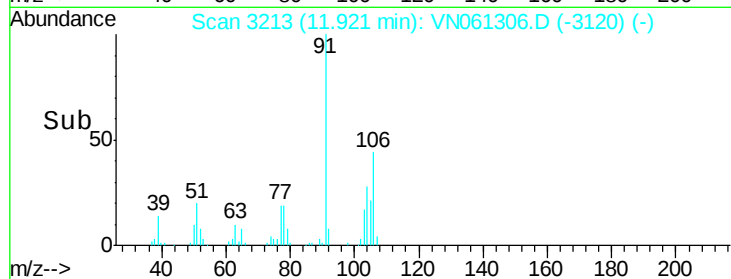
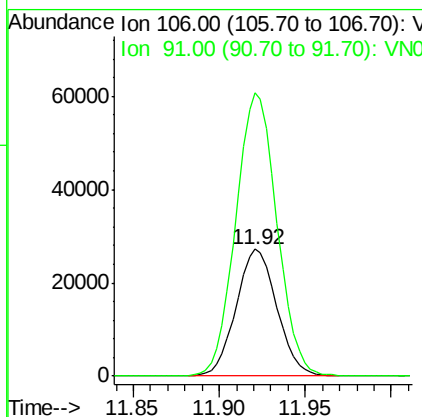
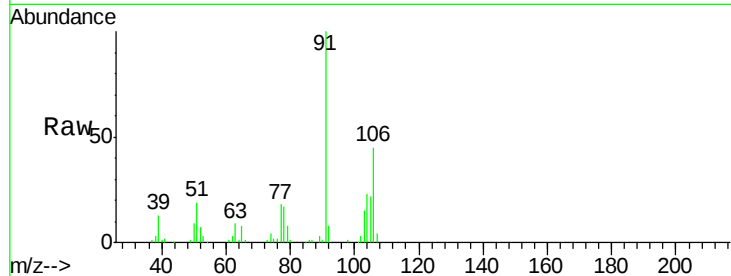
#69
o-Xylene
Concen: 20.917 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion:106 Resp: 44765
Ion Ratio Lower Upper
106 100
91 225.0 109.7 329.0

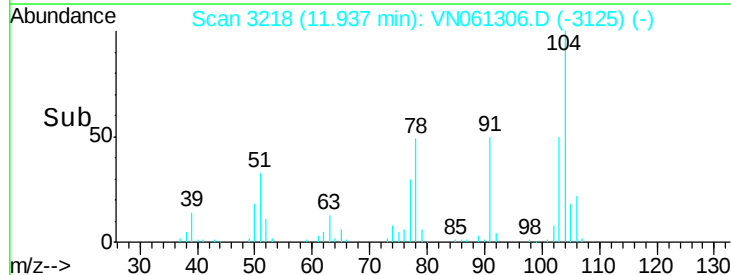
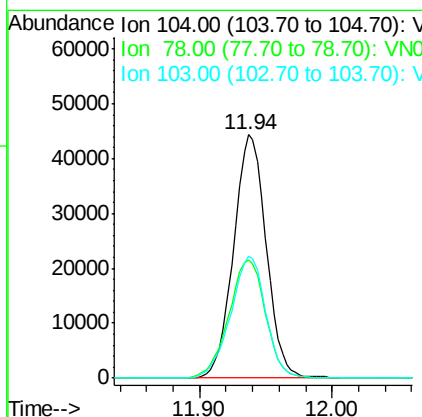
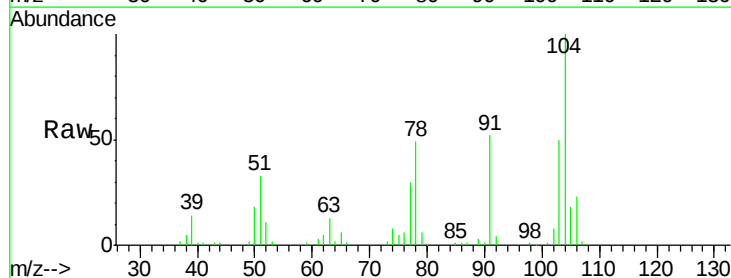
Manual Integrations
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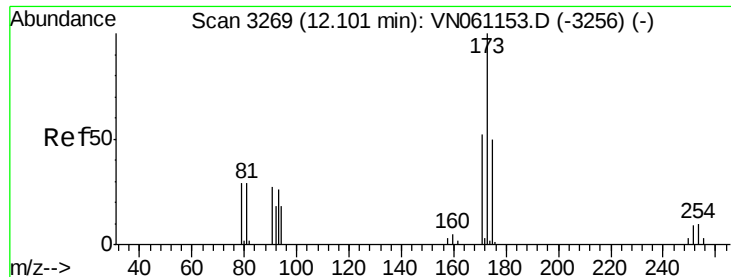
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#70
Styrene
Concen: 21.181 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion:104 Resp: 75870
Ion Ratio Lower Upper
104 100
78 54.4 42.1 63.1
103 53.9 43.3 64.9





#71

Bromoform

Concen: 22.201 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

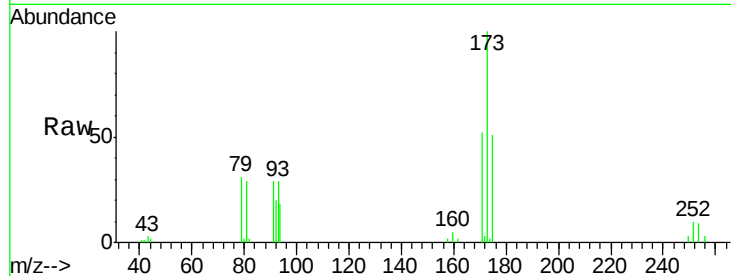
ClientSampled :

VN0506MBS01

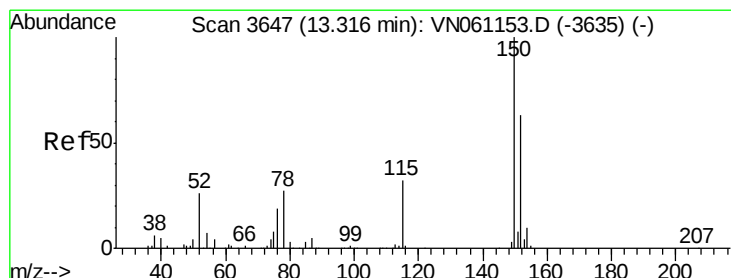
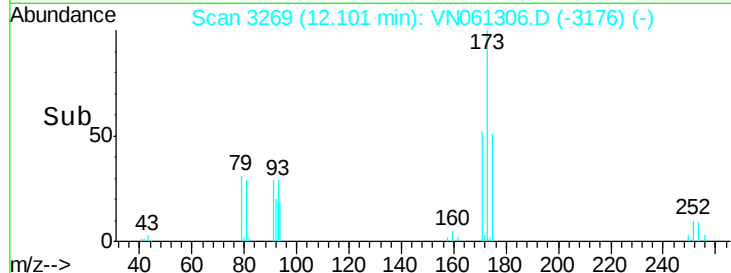
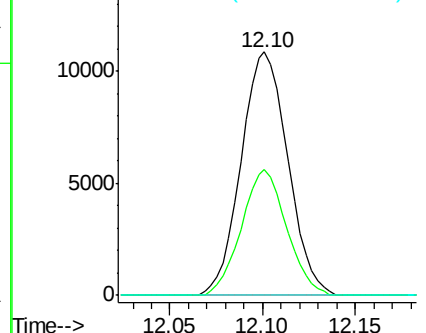
Tot Ion:173	Resp:	18989
Ion Ratio	Lower	Upper
173 100		
175 49.8	24.1	72.4
254 0.0	0.0	0.0

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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

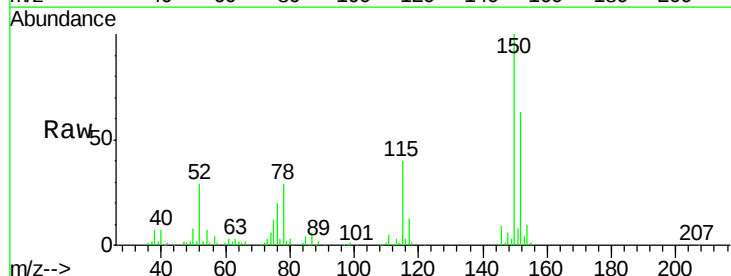
RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

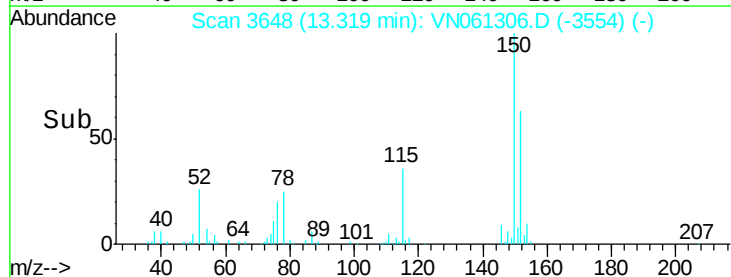
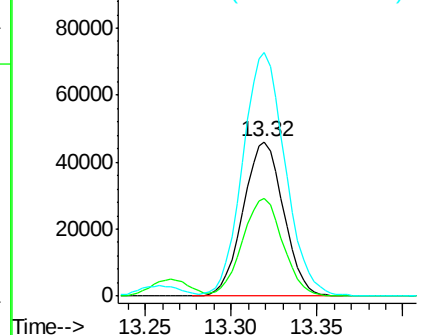
Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion:152	Resp:	75408
Ion Ratio	Lower	Upper
152 100		
115 63.3	31.0	93.0
150 165.6	0.0	351.8



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





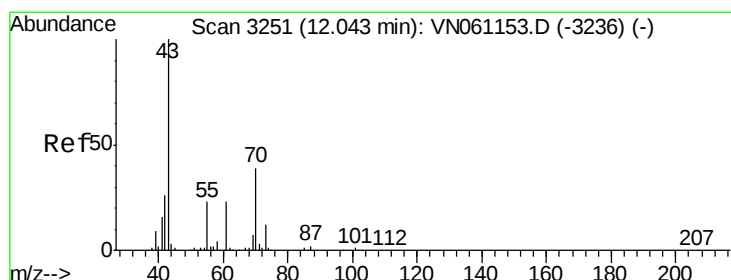
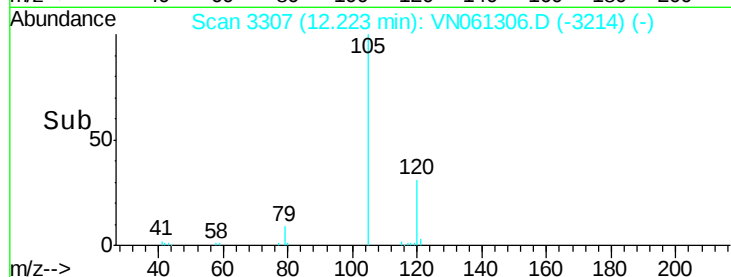
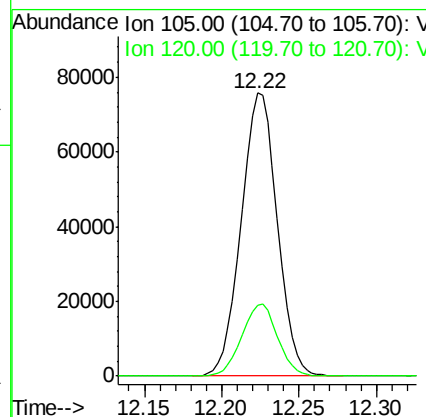
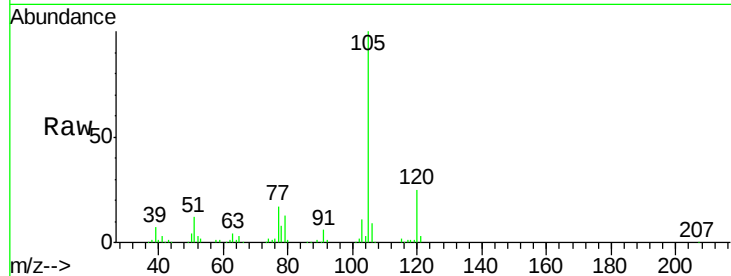
#73
Isopropylbenzene
Concen: 22.167 ug/l
RT: 12.22 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	122885		
120	25.2	12.6	37.8	

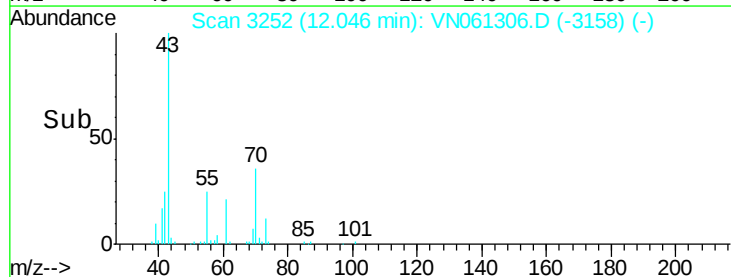
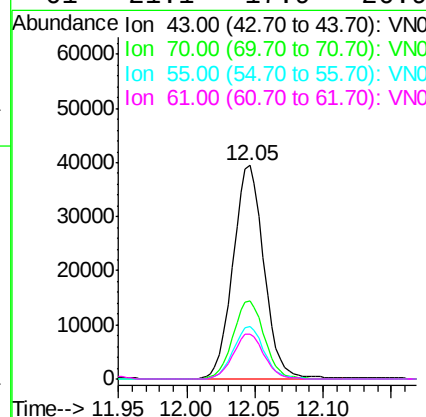
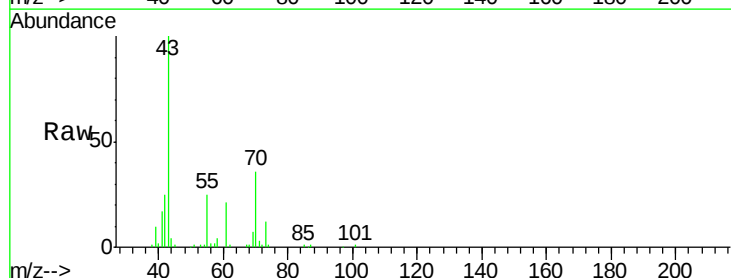
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#74
N-ethyl acetate
Concen: 22.216 ug/l
RT: 12.05 min Scan# 3252
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	62363		
70	37.0	30.6	46.0	
55	24.3	18.5	27.7	
61	21.1	17.9	26.9	





#75

1,1,2,2-Tetrachloroethane

Concen: 23.514 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

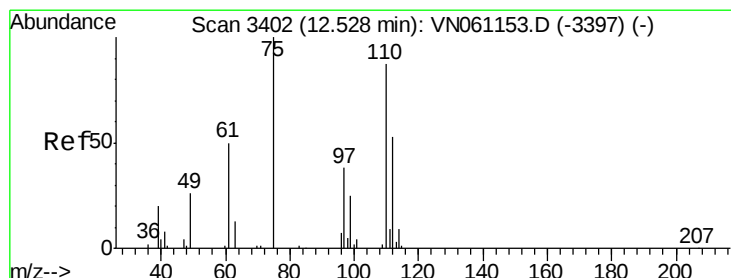
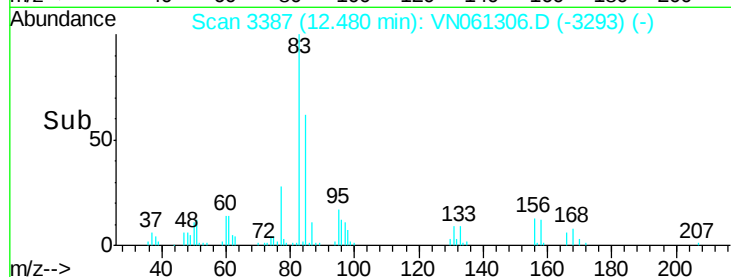
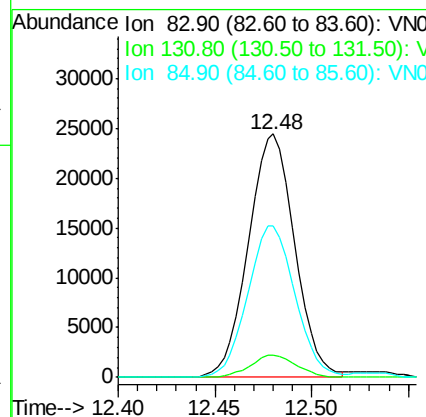
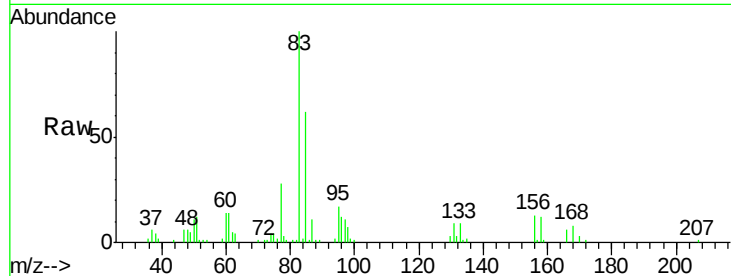
ClientSampled :

VN0506MBS01

Tot Ion:	83	Resp:	40646
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.3
85	63.8	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 25.096 ug/l m

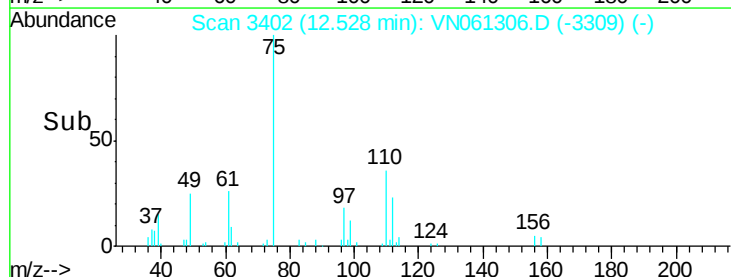
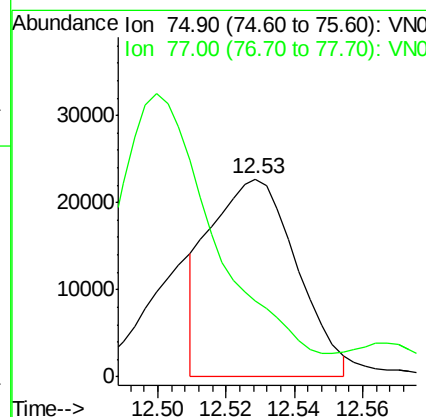
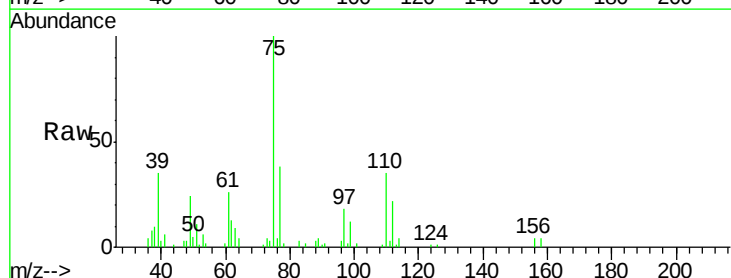
RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion:	75	Resp:	39898
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.458 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

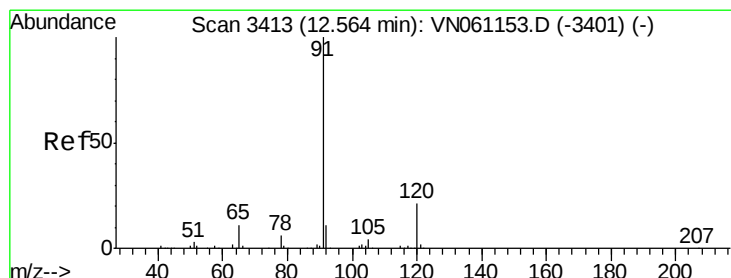
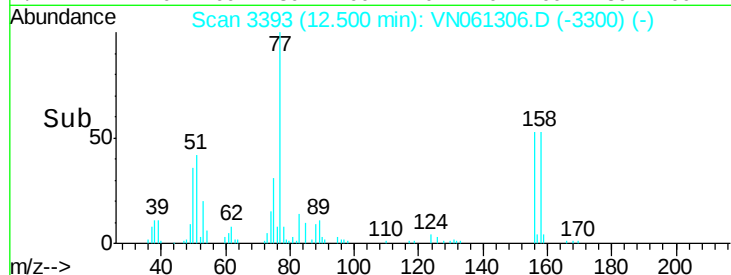
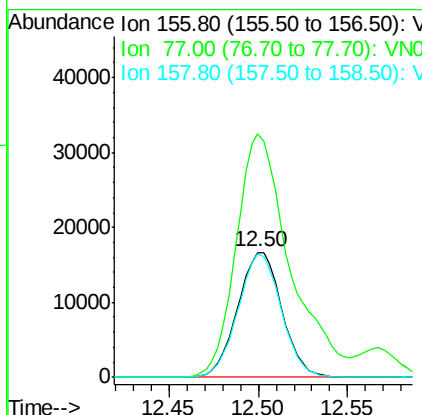
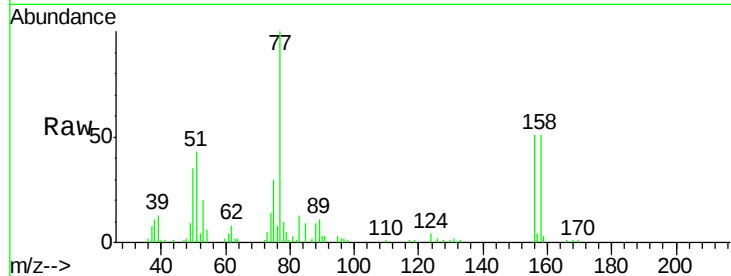
ClientSampled :

VN0506MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	237.6	117.4	352.2
158	96.6	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 22.111 ug/l

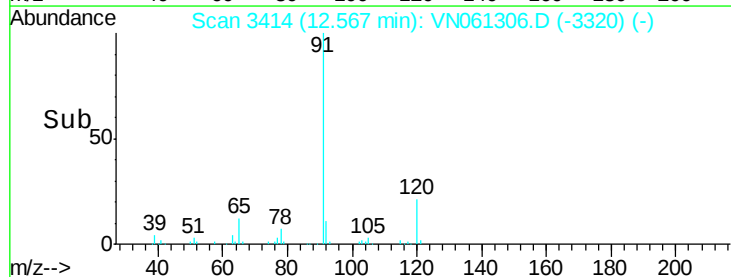
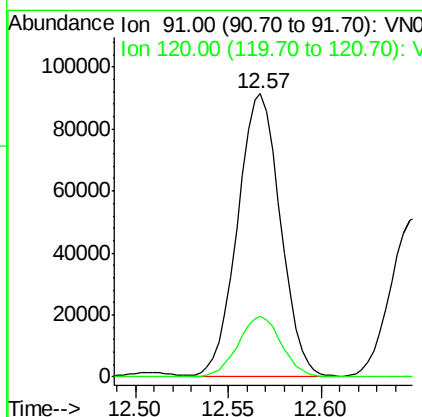
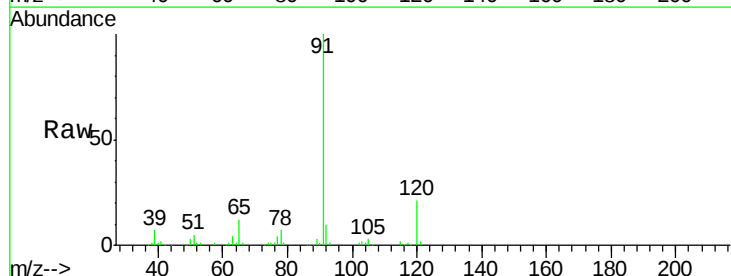
RT: 12.57 min Scan# 3414

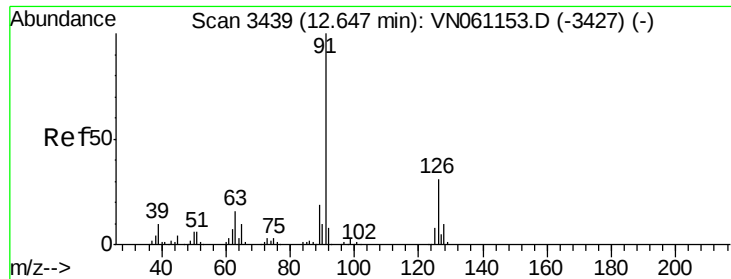
Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.3





#79

2-Chlorotoluene

Concen: 22.237 ug/l

RT: 12.65 min Scan# 3440

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0506MBS01

Tot Ion: 91 Resp: 85941

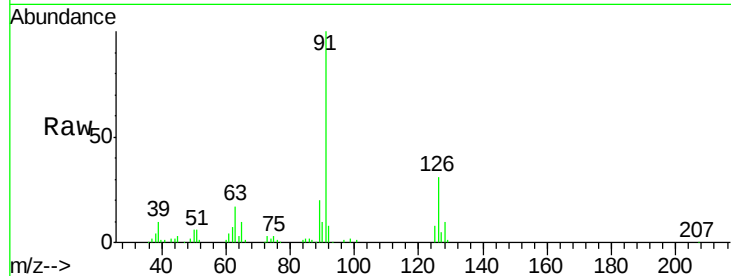
Ion Ratio Lower Upper

91 100

126 31.2 15.9 47.7

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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)

100000

80000

60000

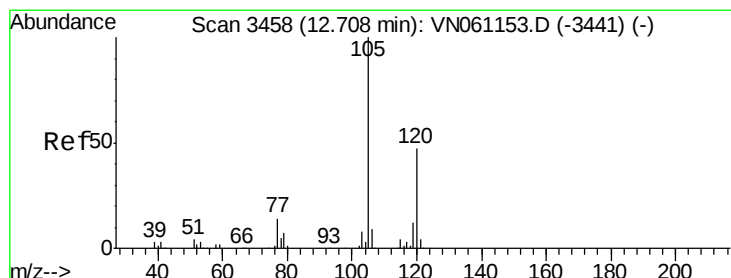
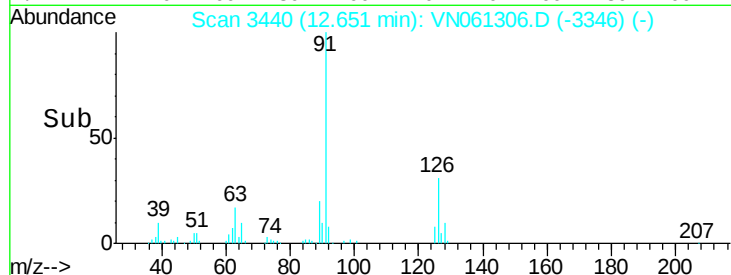
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.557 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061306.D

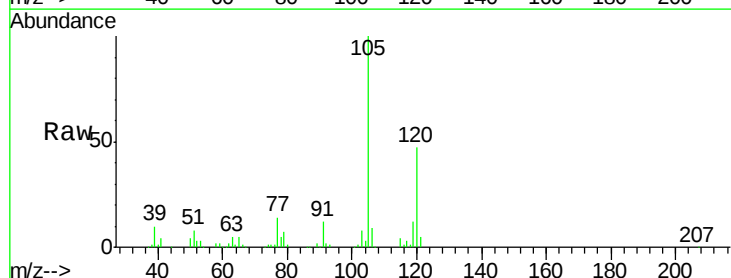
Acq: 6 May 2020 13:54

Tgt Ion: 105 Resp: 103497

Ion Ratio Lower Upper

105 100

120 46.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)

60000

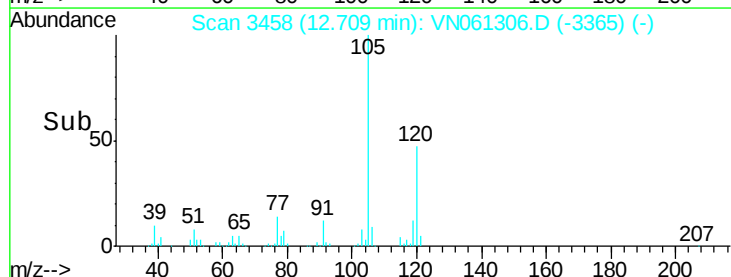
40000

20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.181 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

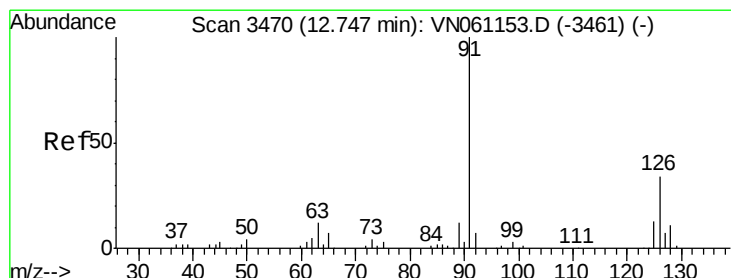
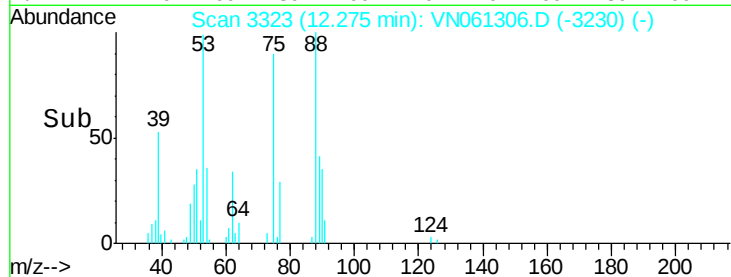
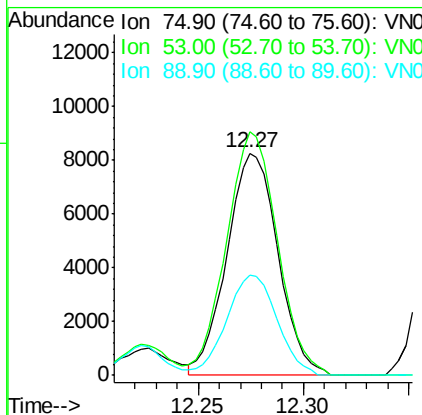
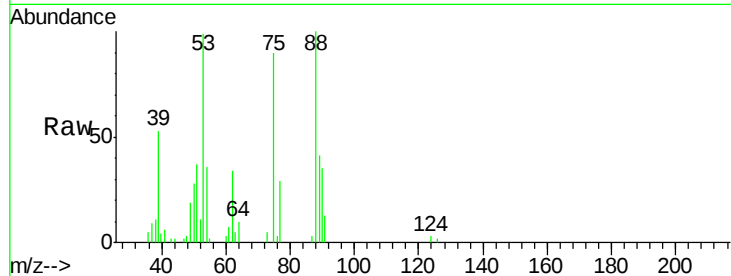
ClientSampled :

VN0506MBS01

Tot Ion:	75	Resp:	13886
Ion	Ratio	Lower	Upper
75	100		
53	110.1	84.1	126.1
89	44.7	35.2	52.8

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#82

4-Chlorotoluene

Concen: 22.173 ug/l

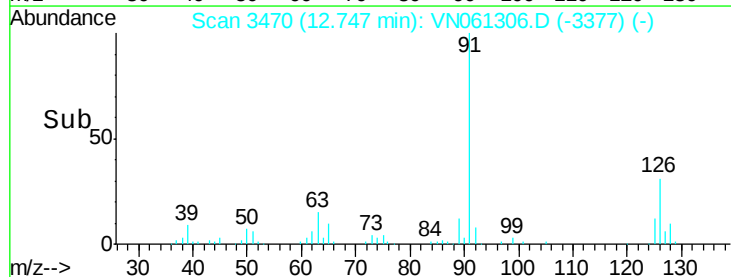
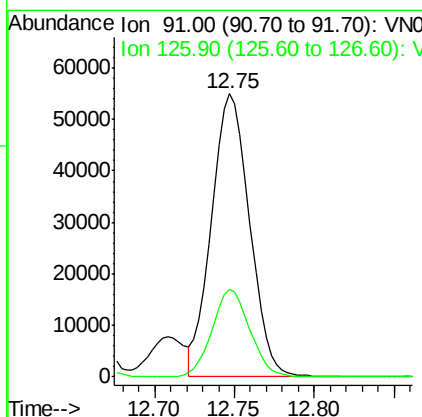
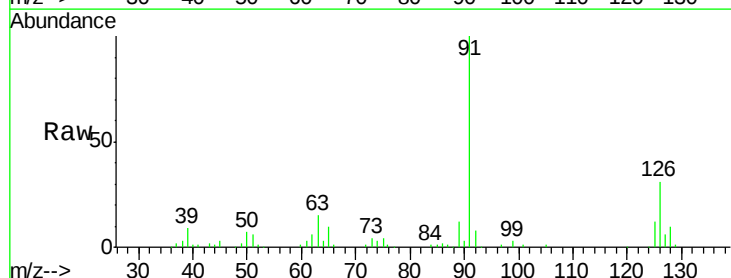
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion:	91	Resp:	90320
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.7	47.1





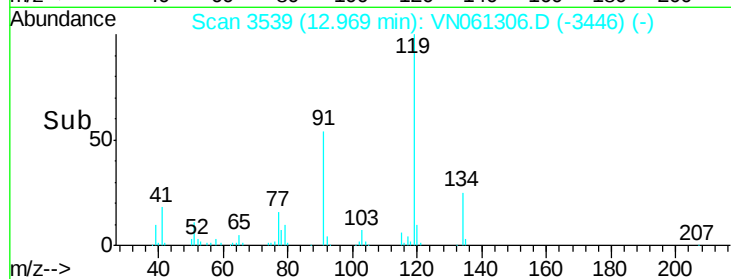
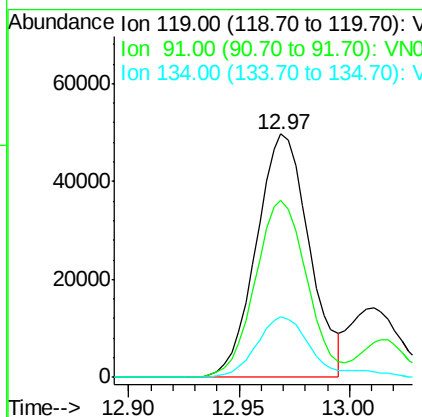
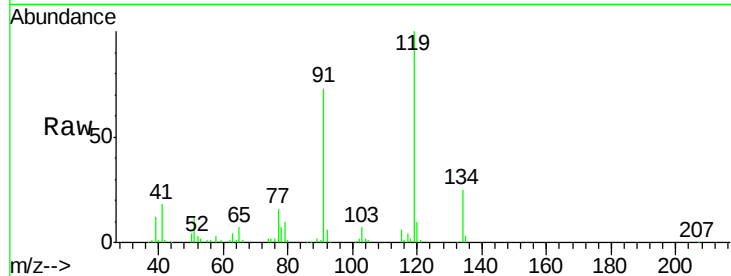
#83
 tert-Butylbenzene
 Concen: 21.358 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	34.8	104.4
134	26.2	12.9	38.7

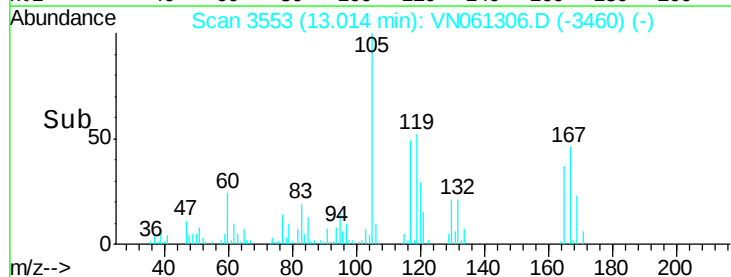
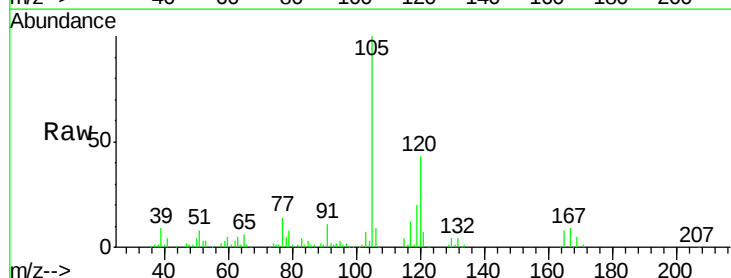
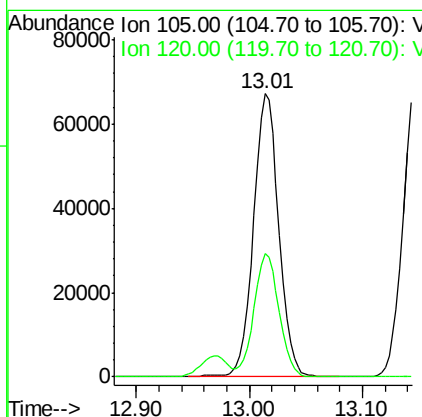
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.040 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.2	66.6





#85

sec-Butylbenzene

Concen: 21.607 ug/l

RT: 13.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBS01

Tot Ion:105 Resp: 113967

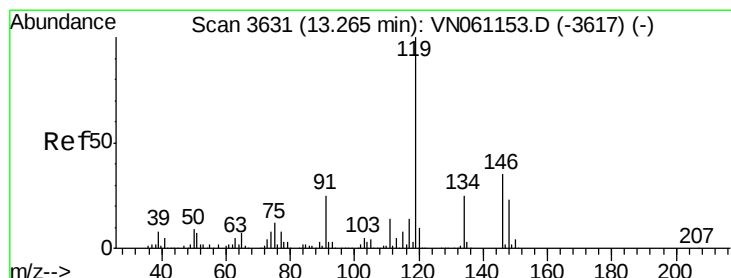
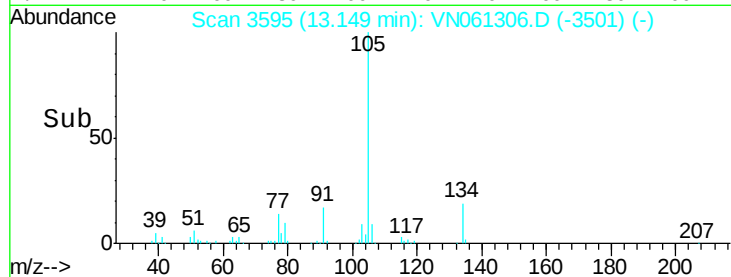
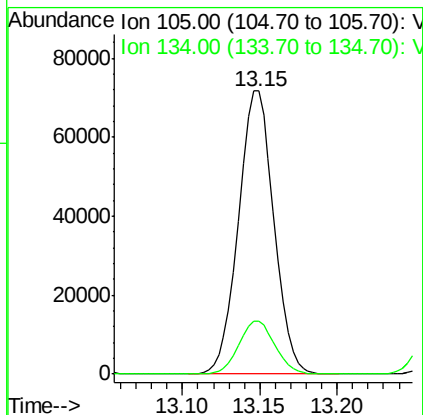
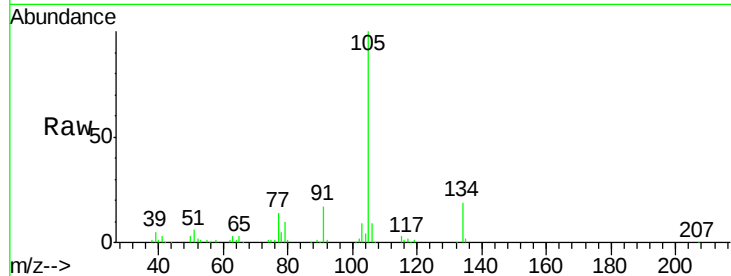
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 21.417 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

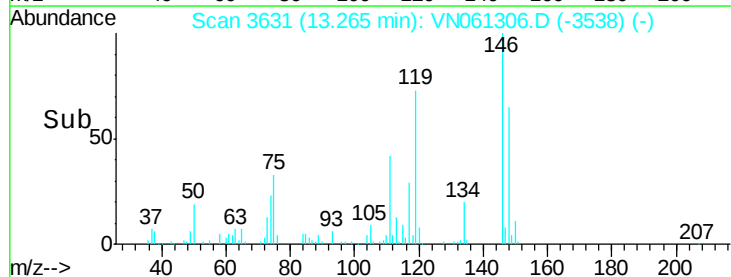
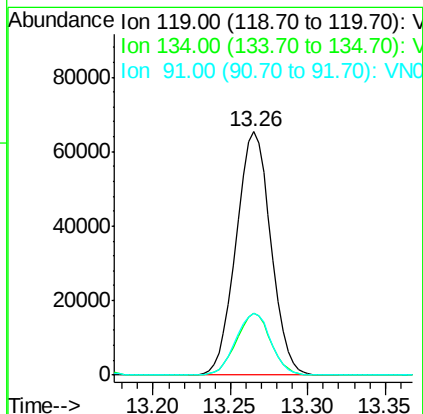
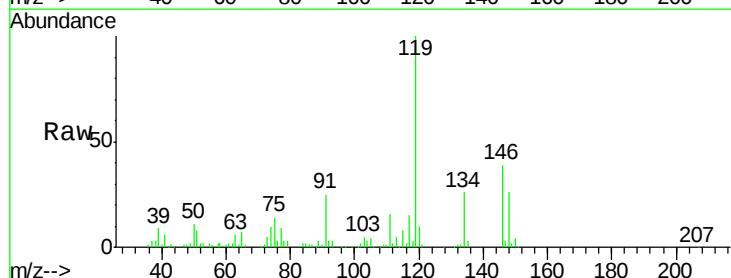
Tgt Ion:119 Resp: 101780

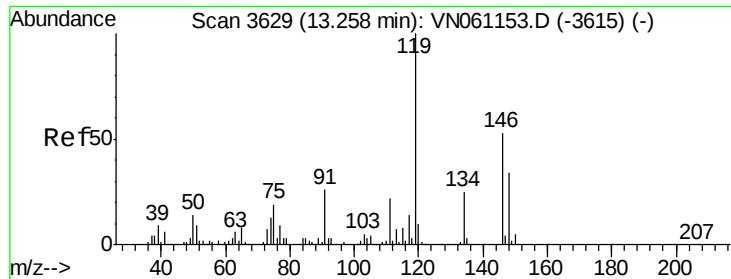
Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.6

91 25.7 12.7 38.0





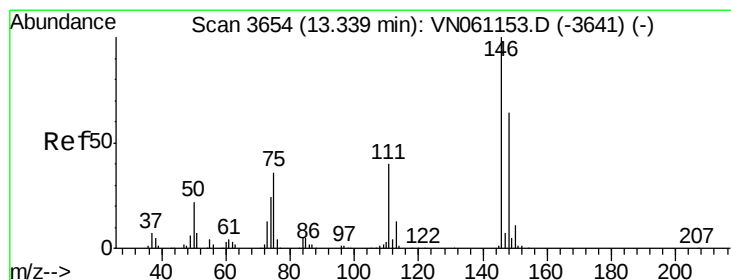
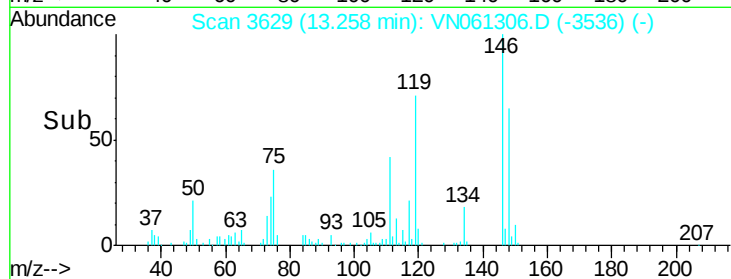
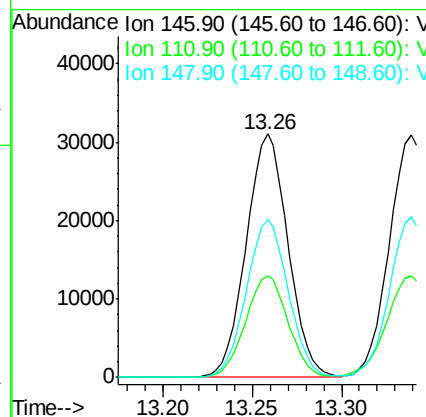
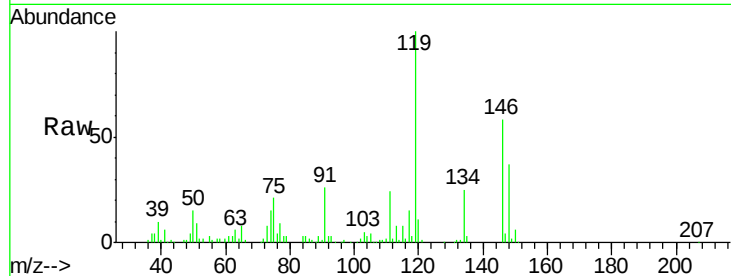
#87
 1,3-Dichlorobenzene
 Concen: 21.712 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.7	62.1
148	64.7	31.8	95.3

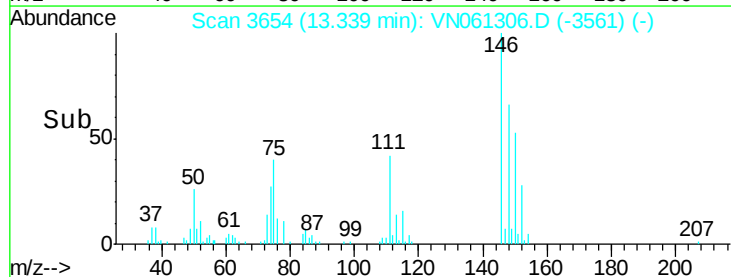
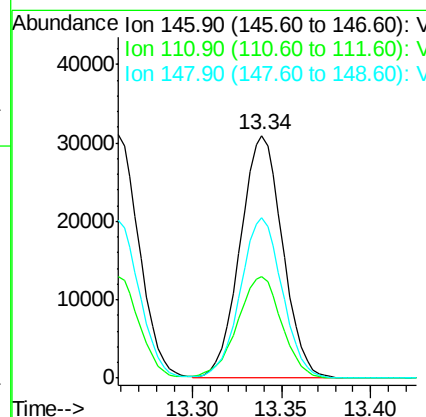
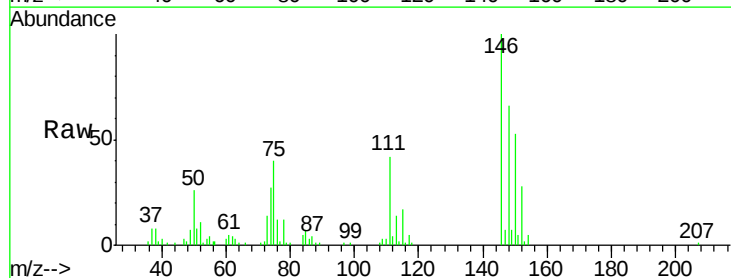
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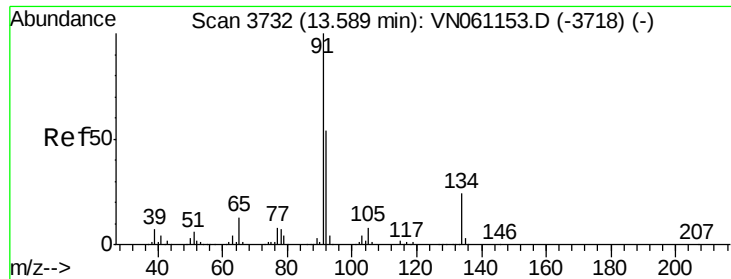
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#88
 1,4-Dichlorobenzene
 Concen: 21.377 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.4	61.3
148	65.5	31.9	95.7





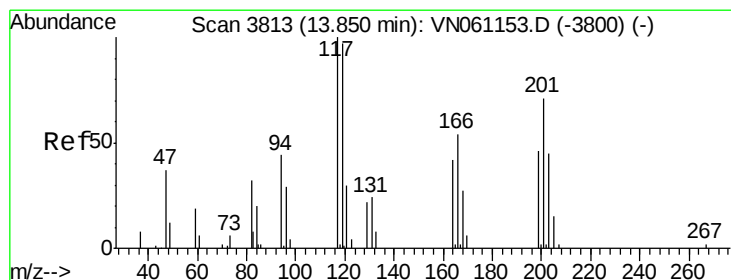
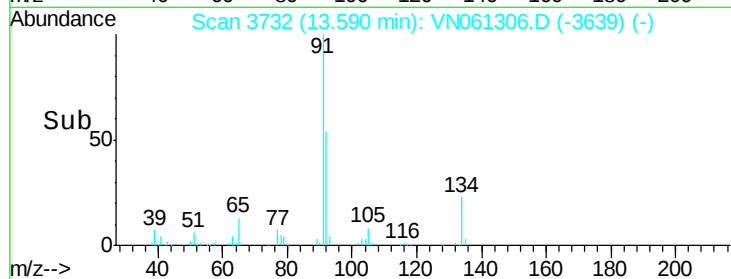
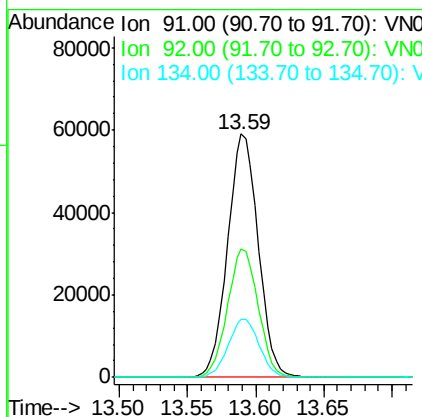
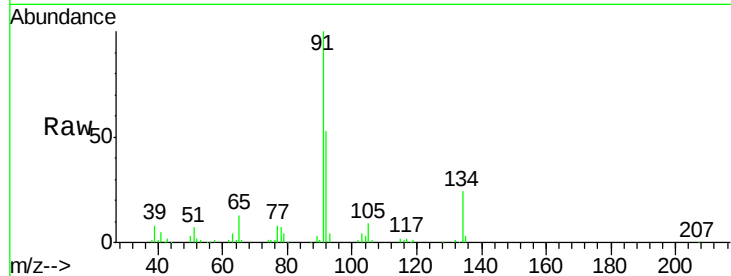
#89
n-Butylbenzene
Concen: 21.193 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.3
134	24.0	11.9	35.5

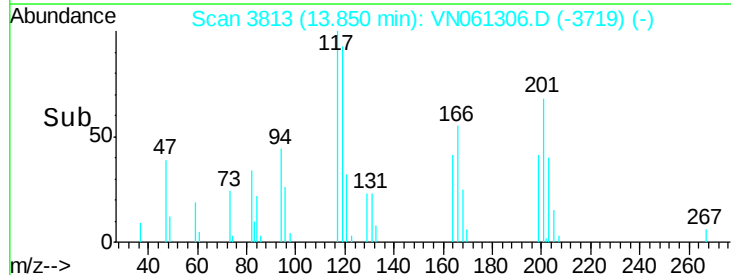
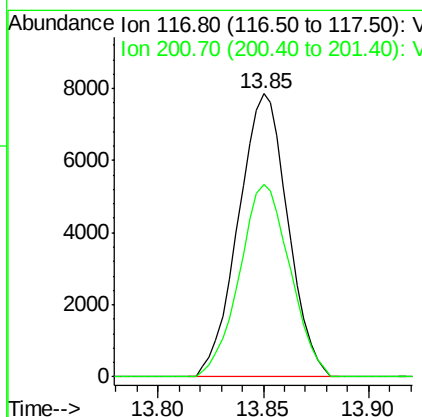
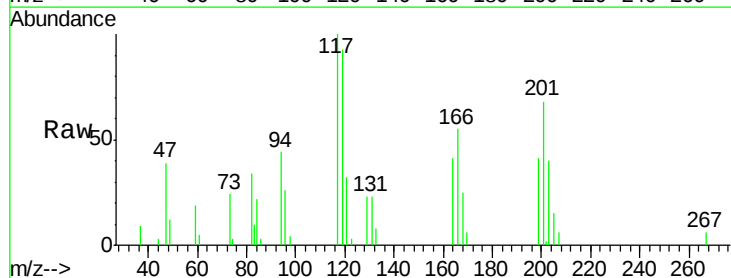
Manual Integrations
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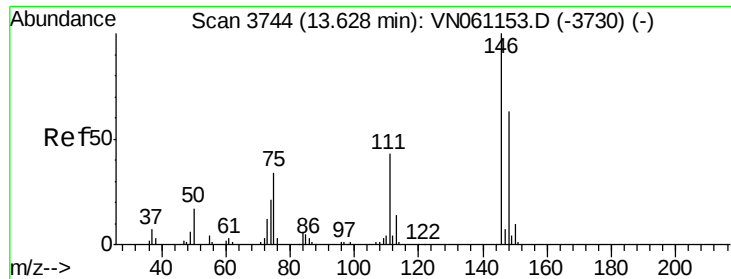
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#90
Hexachloroethane
Concen: 29.520 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.5	35.5	106.7





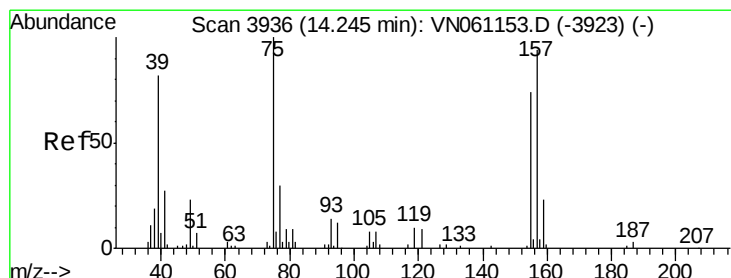
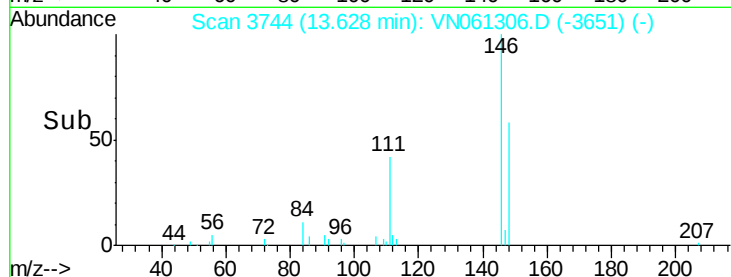
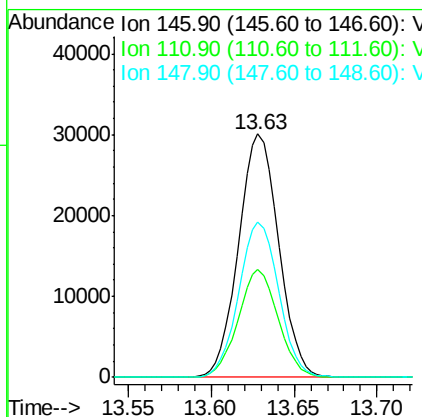
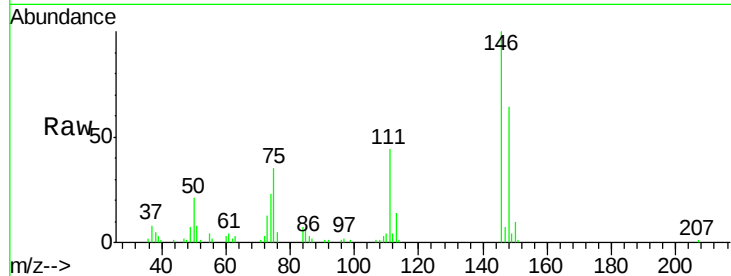
#91
 1,2-Dichlorobenzene
 Concen: 22.467 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.8	65.3
148	63.3	31.6	95.0

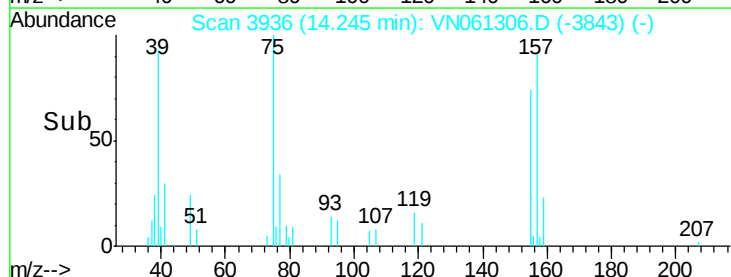
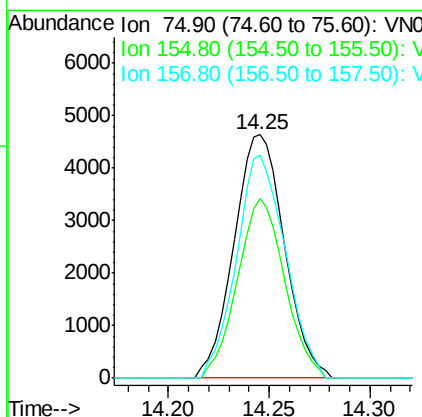
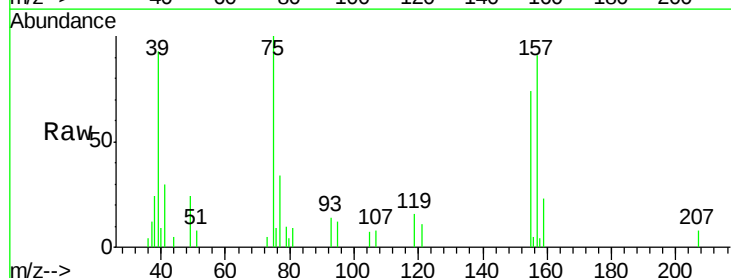
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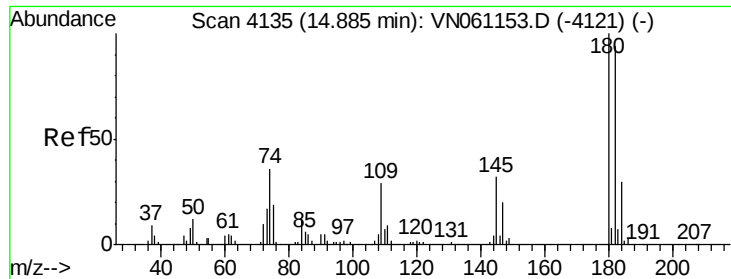
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 5/7/2020 10:36:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.220 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061306.D
 Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.0	36.5	109.7
157	88.8	46.6	139.7





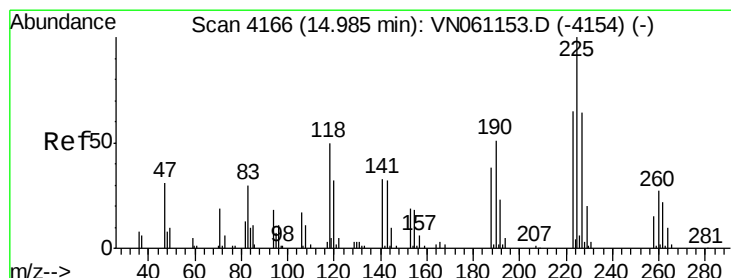
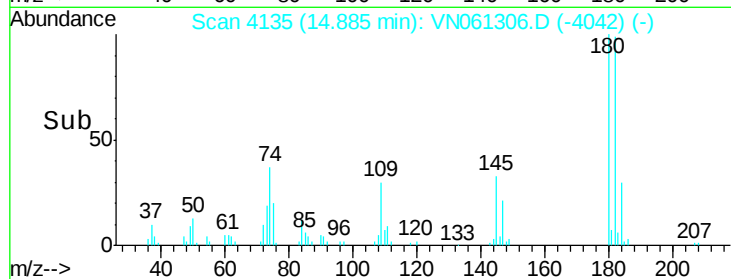
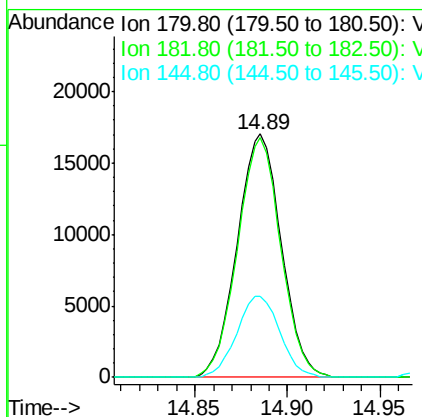
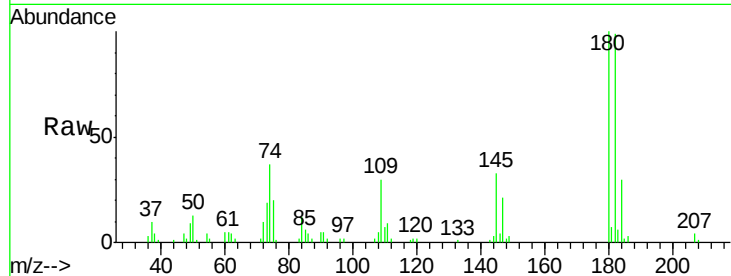
#93
1,2,4-Trichlorobenzene
Concen: 20.394 ug/l
RT: 14.89 min Scan# 4135
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0506MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	28053		
182	96.6	47.3	141.9	
145	32.6	16.0	47.9	

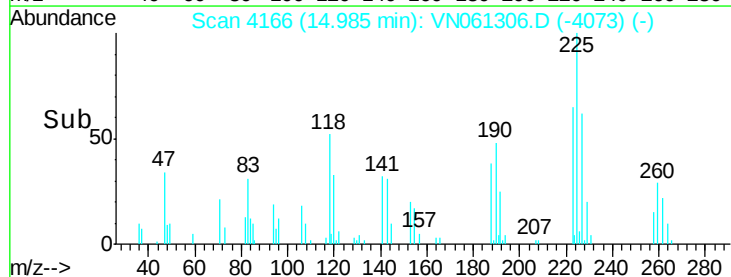
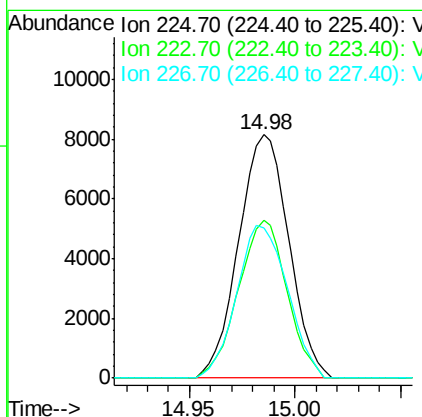
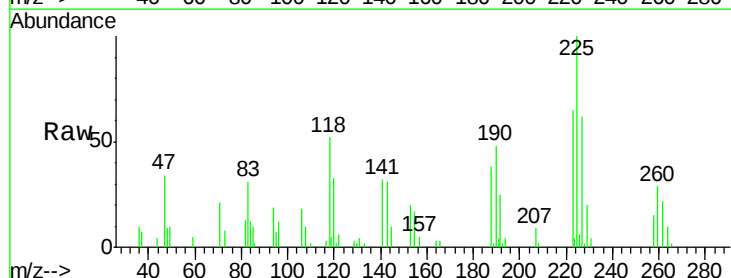
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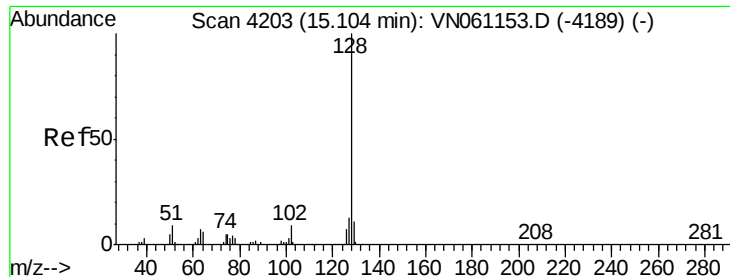
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#94
Hexachlorobutadiene
Concen: 23.461 ug/l
RT: 14.98 min Scan# 4166
Delta R.T. 0.00 min
Lab File: VN061306.D
Acq: 6 May 2020 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13482		
223	62.9	32.4	97.0	
227	63.4	32.4	97.0	





#95

Naphthalene

Concen: 19.474 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Instrument :

MSVOA_N

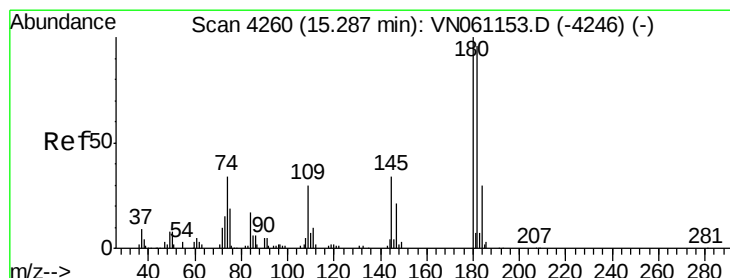
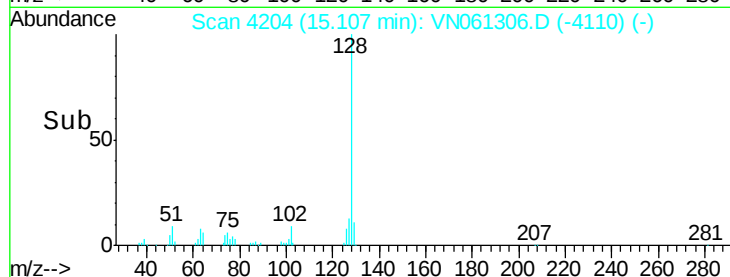
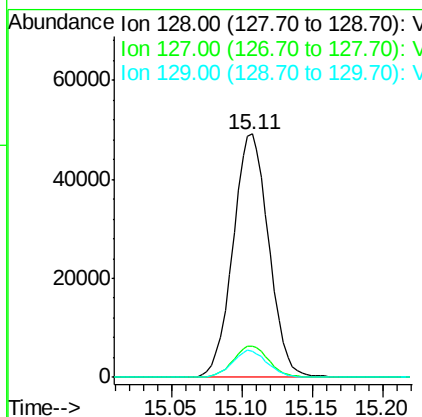
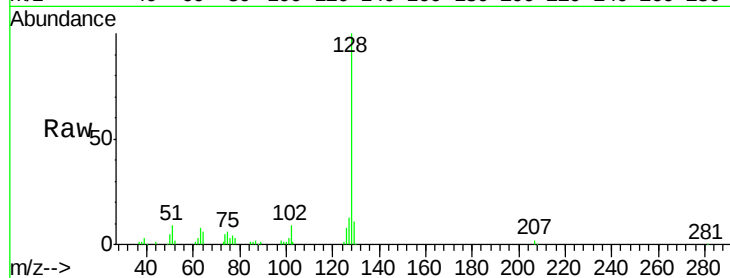
ClientSampled :

VN0506MBS01

Tot Ion:	128	Resp:	87238
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
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5/7/2020 10:36:30 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.928 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061306.D

Acq: 6 May 2020 13:54

Tgt Ion:	180	Resp:	28421
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.5	142.5
145	32.6	16.9	50.7

