

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061321.D
 Acq On : 6 May 2020 19:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:41 AM

Quant Time: May 07 07:39:20 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	102276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	180478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	170189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	83419	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	7.55	113	44598	41.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.58%	
50) Toluene-d8	10.06	98	218199	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.38	95	83803	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	50165	46.254	ug/l	98
3) Chloromethane	2.03	50	65945	50.204	ug/l	100
4) Vinyl Chloride	2.16	62	75727	50.758	ug/l	100
5) Bromomethane	2.53	94	31161	42.254	ug/l	97
6) Chloroethane	2.67	64	46354	49.019	ug/l	100
7) Trichlorofluoromethane	2.98	101	96097	57.092	ug/l	98
8) Diethyl Ether	3.37	74	38212	54.427	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	54383	50.152	ug/l	99
10) Methyl Iodide	3.91	142	55280	39.668	ug/l	100
11) Tert butyl alcohol	4.73	59	61274	282.647	ug/l	99
12) 1,1-Dichloroethene	3.69	96	52673	48.812	ug/l	99
13) Acrolein	3.56	56	32481	224.833	ug/l	99
14) Allyl chloride	4.27	41	113173	56.563	ug/l	99
15) Acrylonitrile	4.93	53	181636	272.941	ug/l	99
16) Acetone	3.77	43	162700	260.178	ug/l	100
17) Carbon Disulfide	4.01	76	104176	34.949	ug/l	100
18) Methyl Acetate	4.27	43	97581	47.798	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	210293	51.001	ug/l	100
20) Methylene Chloride	4.50	84	61185	48.486	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	57067	48.566	ug/l	97
22) Diisopropyl ether	5.90	45	242202	52.201	ug/l	98
23) Vinyl Acetate	5.84	43	990938	265.251	ug/l	100
24) 1,1-Dichloroethane	5.79	63	121350	50.058	ug/l	100
25) 2-Butanone	6.78	43	262551	274.172	ug/l	100
26) 2,2-Dichloropropane	6.77	77	101527	49.722	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	68203	49.461	ug/l	100
28) Bromochloromethane	7.15	49	58469	50.886	ug/l	96
29) Tetrahydrofuran	7.16	42	174348	270.278	ug/l	99
30) Chloroform	7.32	83	120718	49.139	ug/l	99
31) Cyclohexane	7.61	56	102578	43.571	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	105157	49.156	ug/l	99
36) 1,1-Dichloropropene	7.75	75	88066	48.745	ug/l	99
37) Ethyl Acetate	6.88	43	110505	52.174	ug/l	100
38) Carbon Tetrachloride	7.73	117	82114	49.824	ug/l	99

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

39) Methylcyclohexane	9.05	83	85222	42.062	ug/l	97
40) Benzene	8.00	78	257672	47.872	ug/l	99
41) Methacrylonitrile	7.13	41	54208	61.642	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	104090	51.047	ug/l	99
43) Isopropyl Acetate	8.12	43	183295	52.145	ug/l	99
44) Trichloroethene	8.80	130	63927	43.935	ug/l	100
45) 1,2-Dichloropropane	9.09	63	70616	49.108	ug/l	99
46) Dibromomethane	9.17	93	44963	50.500	ug/l	99
47) Bromodichloromethane	9.37	83	98126	51.346	ug/l	99
48) Methyl methacrylate	9.17	41	84584	53.325	ug/l	97
49) 1,4-Dioxane	9.16	88	17465	969.997	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	565981	273.548	ug/l	100
52) Toluene	10.12	92	158265	48.816	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	108294	50.291	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	112461	49.400	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	63529	49.127	ug/l	98
56) Ethyl methacrylate	10.40	69	108072	48.070	ug/l	99
57) 1,3-Dichloropropane	10.68	76	115136	50.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	271773	259.637	ug/l	100
59) 2-Hexanone	10.72	43	415541	276.058	ug/l	100
60) Dibromochloromethane	10.87	129	68954	50.912	ug/l	99
61) 1,2-Dibromoethane	10.98	107	65777	50.749	ug/l	100
64) Tetrachloroethene	10.60	164	60419	40.989	ug/l	99
65) Chlorobenzene	11.41	112	163255	48.358	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	61537	50.929	ug/l	100
67) Ethyl Benzene	11.48	91	312102	49.385	ug/l	99
68) m/p-Xylenes	11.60	106	227274	98.250	ug/l	98
69) o-Xylene	11.92	106	107649	48.447	ug/l	98
70) Styrene	11.94	104	186737	50.212	ug/l	99
71) Bromoform	12.10	173	47497	53.486	ug/l #	100
73) Isopropylbenzene	12.22	105	293894	48.889	ug/l	100
74) N-amyl acetate	12.04	43	161260	52.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	95418	50.905	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	85951m	49.856	ug/l	
77) Bromobenzene	12.50	156	66845	48.169	ug/l	94
78) n-propylbenzene	12.57	91	344536	48.320	ug/l	100
79) 2-Chlorotoluene	12.65	91	205054	48.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	245637	49.370	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	35638	52.496	ug/l	97
82) 4-Chlorotoluene	12.75	91	219174	49.619	ug/l	98
83) tert-Butylbenzene	12.97	119	201862	48.116	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	246994	48.184	ug/l	100
85) sec-Butylbenzene	13.15	105	267177	46.711	ug/l	99
86) p-Isopropyltoluene	13.26	119	240086	46.587	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	123020	48.155	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	123905	47.469	ug/l	100
89) n-Butylbenzene	13.59	91	218511	46.251	ug/l	99
90) Hexachloroethane	13.85	117	32997	59.649	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	119423	48.754	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21414	54.092	ug/l	97

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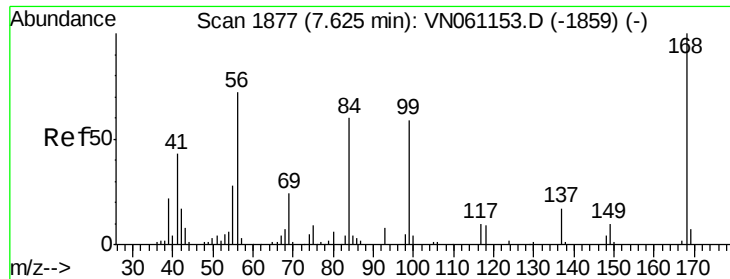
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	69278	46.445	ug/l	99
94) Hexachlorobutadiene	14.99	225	26522	42.561	ug/l	96
95) Naphthalene	15.10	128	230329	47.415	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	65512	44.485	ug/l	98

(#) = 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: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 102276

Ion Ratio Lower Upper

168 100

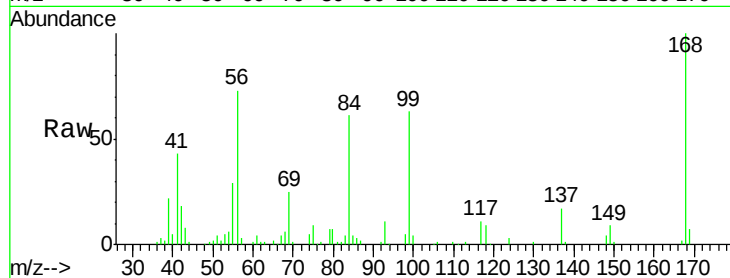
99 62.9 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

40000

30000

20000

10000

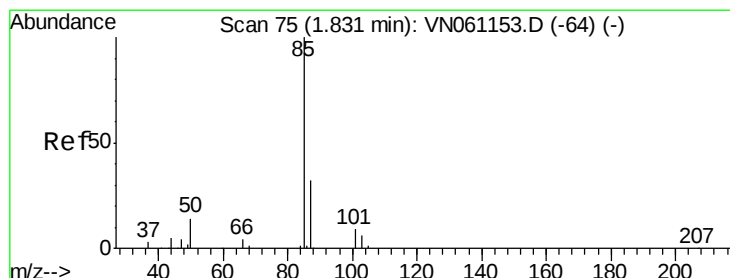
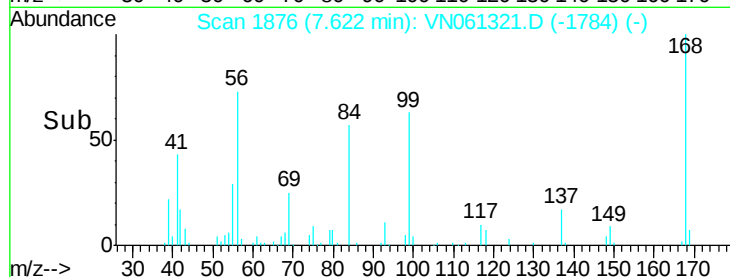
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.254 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061321.D

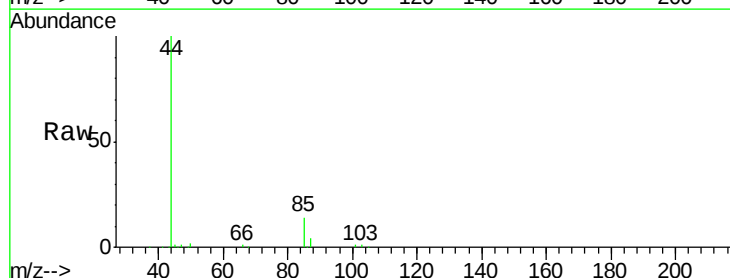
Acq: 6 May 2020 19:41

Tgt Ion: 85 Resp: 50165

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

20000

10000

0

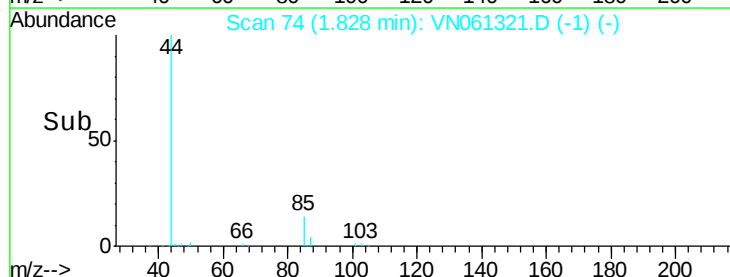
1.75

1.80

1.85

1.90

Time-->





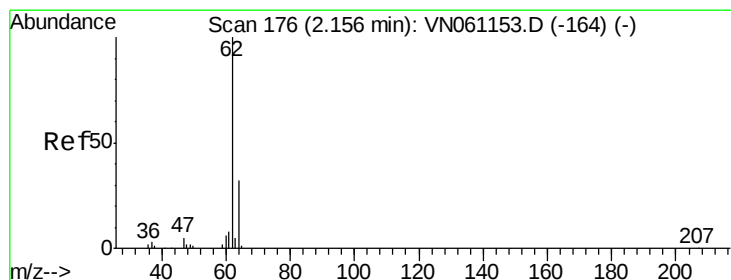
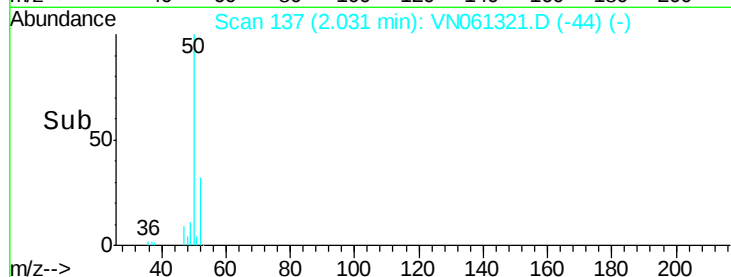
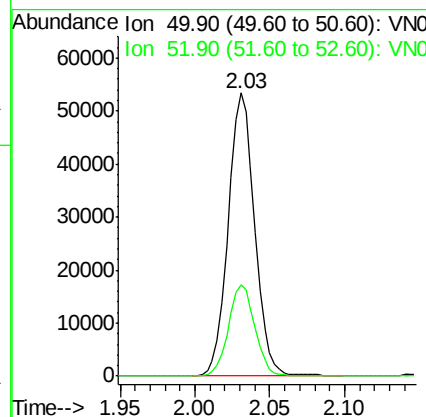
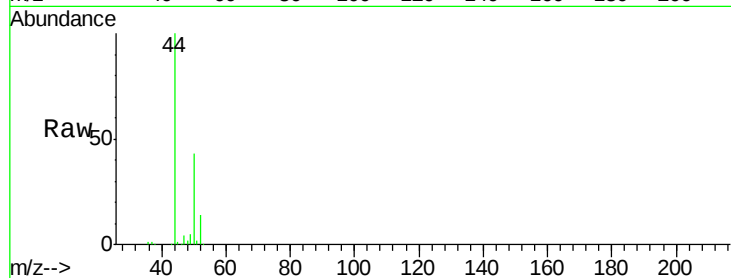
#3
Chloromethane
Concen: 50.204 ug/l
RT: 2.03 min Scan# 137
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
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VSTDCCC050EC

Tot Ion: 50 Resp: 65945
Ion Ratio Lower Upper
50 100
52 32.5 26.0 39.0

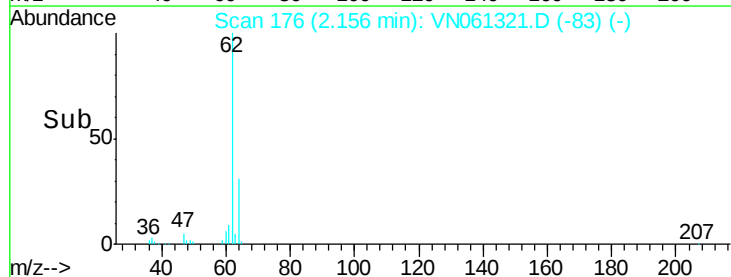
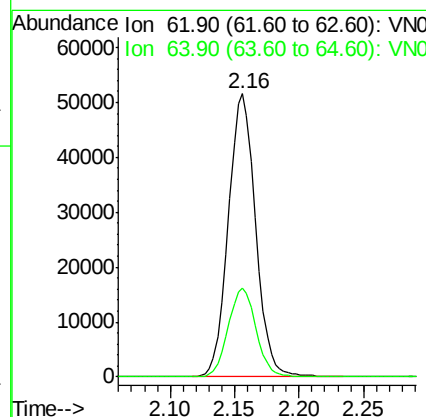
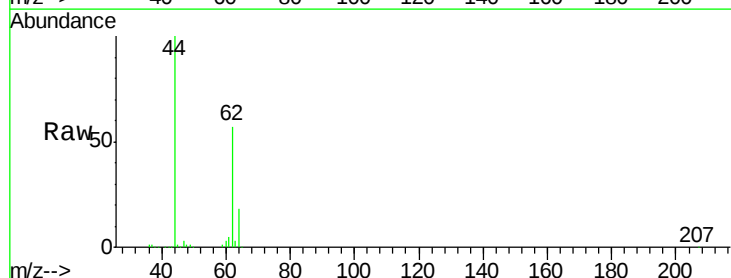
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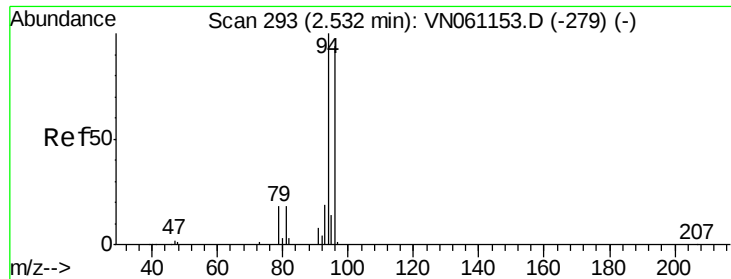
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#4
Vinyl Chloride
Concen: 50.758 ug/l
RT: 2.16 min Scan# 176
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 62 Resp: 75727
Ion Ratio Lower Upper
62 100
64 31.5 25.2 37.8





#5

Bromomethane

Concen: 42.254 ug/l

RT: 2.53 min Scan# 291

Delta R.T. -0.01 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 31161

Ion Ratio Lower Upper

94 100

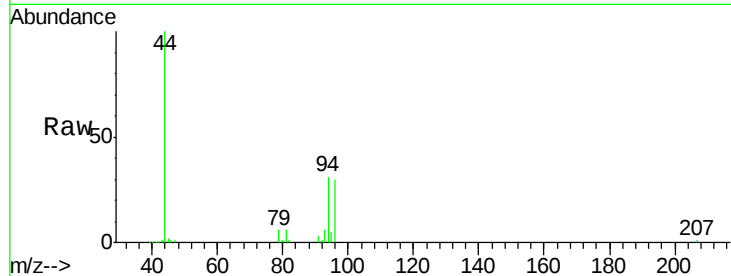
96 96.8 75.1 112.7

Manual Integrations

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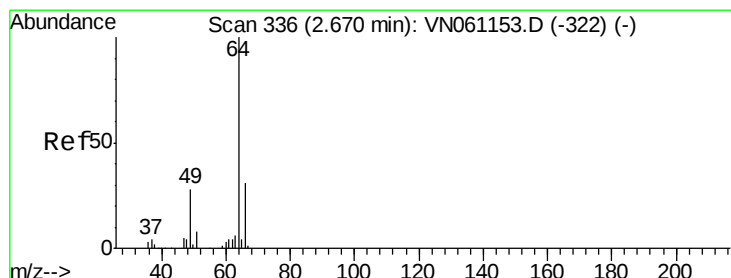
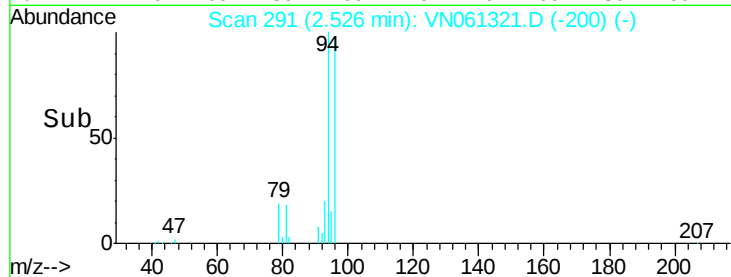
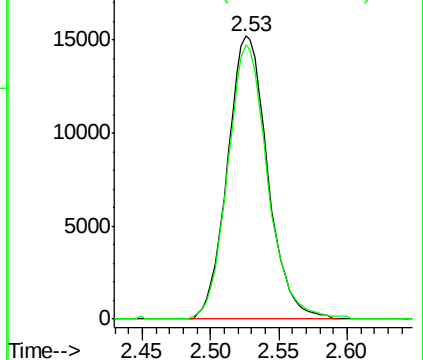
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.019 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

Lab File: VN061321.D

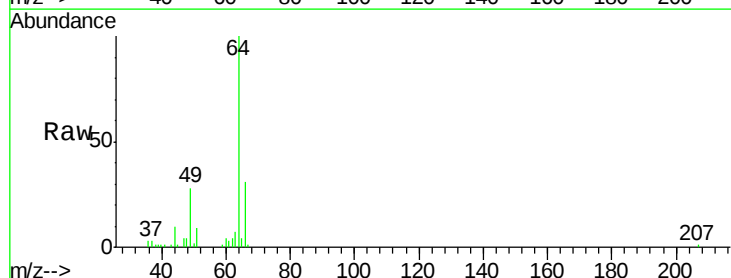
Acq: 6 May 2020 19:41

Tgt Ion: 64 Resp: 46354

Ion Ratio Lower Upper

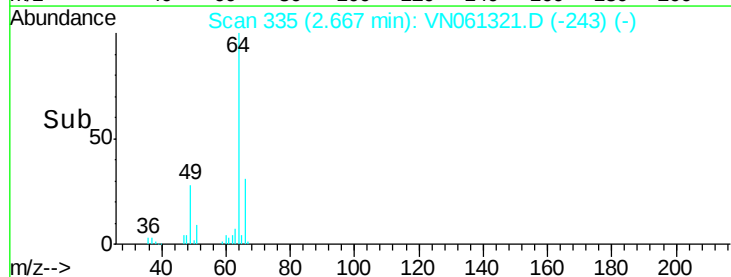
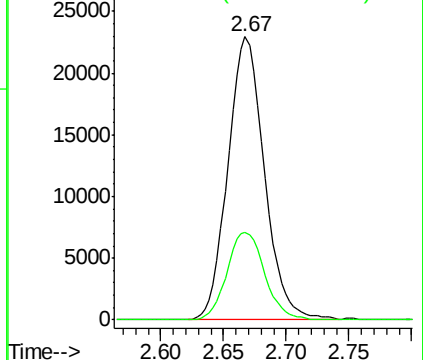
64 100

66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

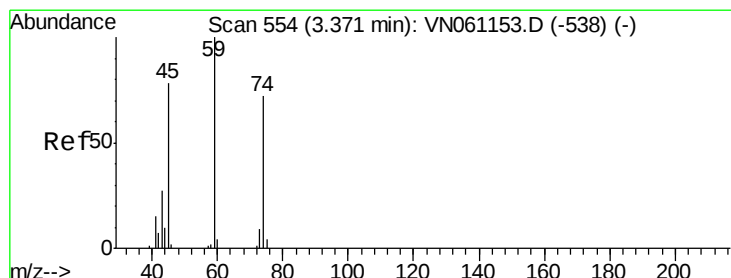
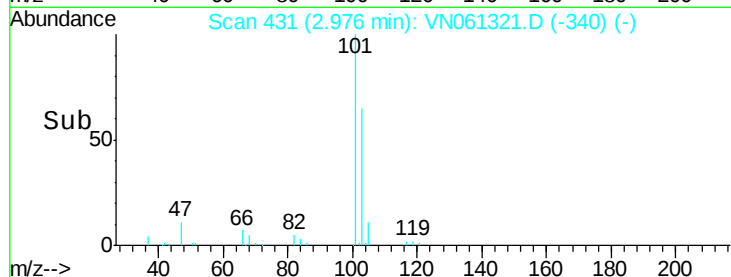
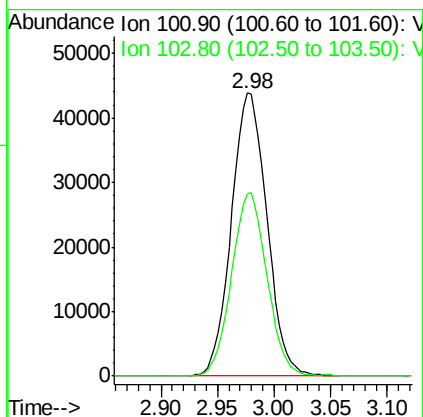
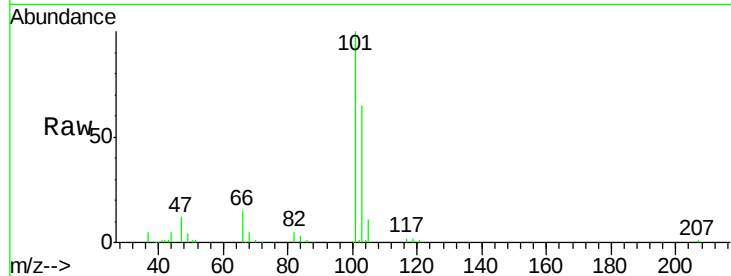
Trichlorofluoromethane
 Concen: 57.092 ug/l
 RT: 2.98 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: VN061321.D
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.6	76.0

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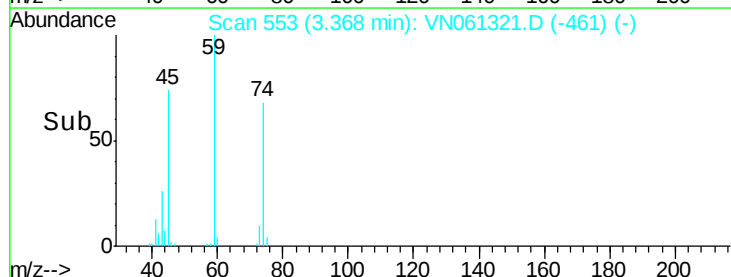
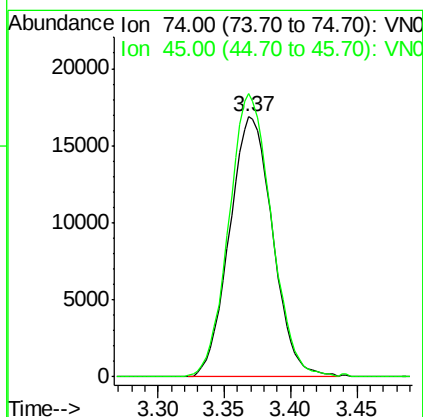
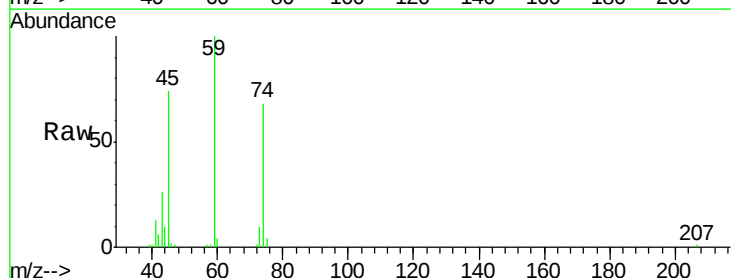
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#8

Diethyl Ether
 Concen: 54.427 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061321.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.152 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

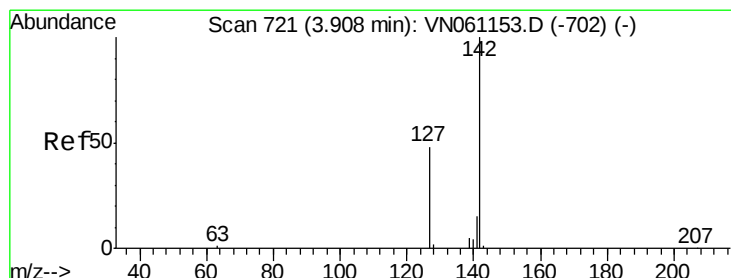
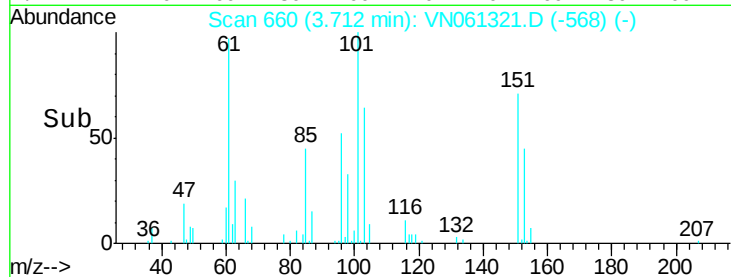
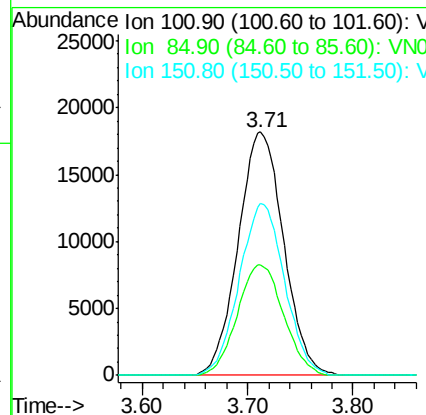
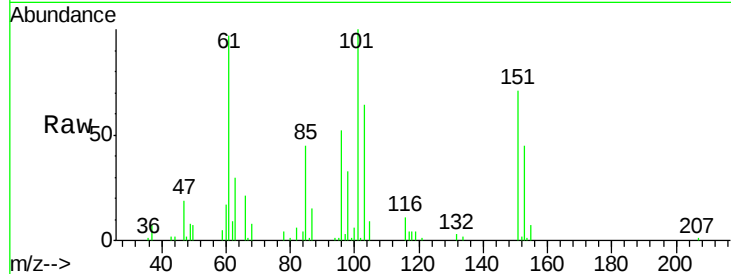
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	54383
Ion Ratio	Lower	Upper	
101	100		
85	46.2	37.2	55.8
151	70.6	57.7	86.5

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#10

Methyl Iodide

Concen: 39.668 ug/l

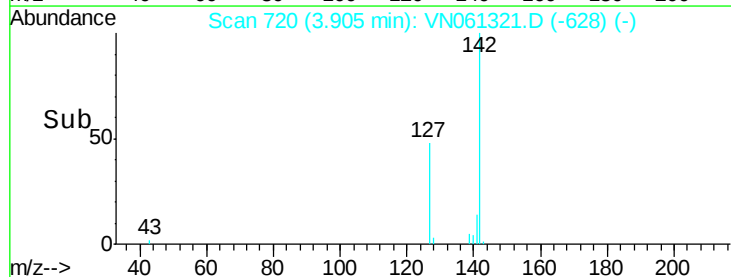
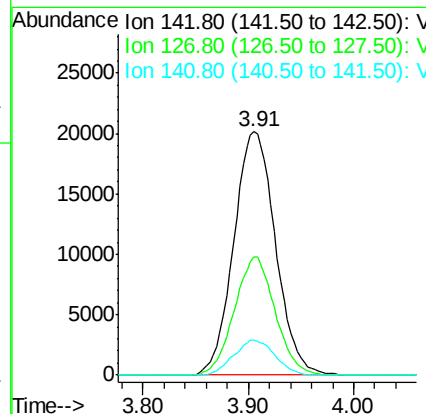
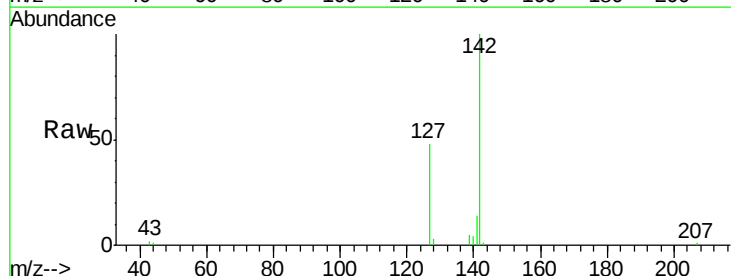
RT: 3.91 min Scan# 720

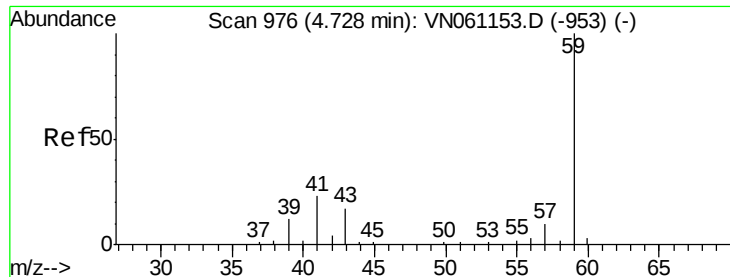
Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Tgt Ion:	142	Resp:	55280
Ion Ratio	Lower	Upper	
142	100		
127	47.4	38.0	57.0
141	14.1	11.7	17.5





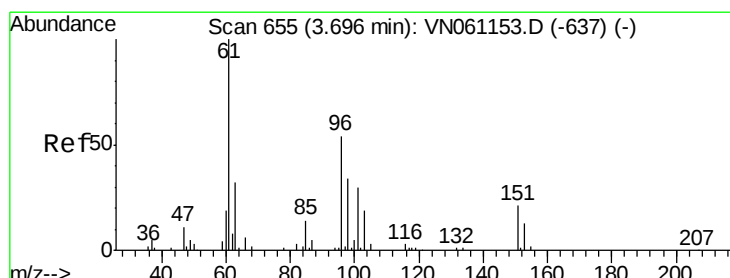
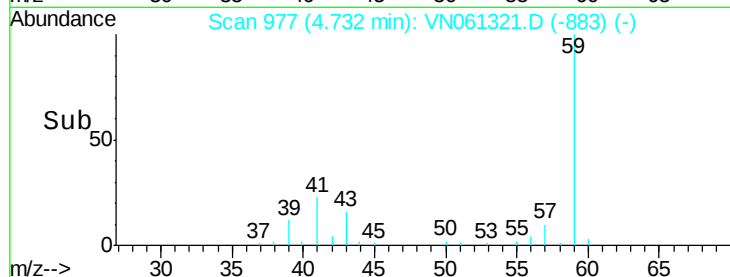
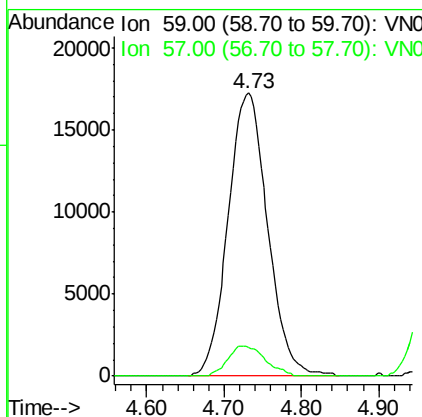
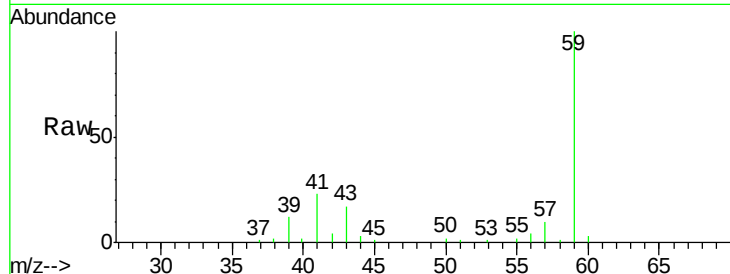
#11
Tert butyl alcohol
Concen: 282.647 ug/l
RT: 4.73 min Scan# 977
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	61274
Ion Ratio	100	Lower	Upper
57	10.1	8.3	12.5

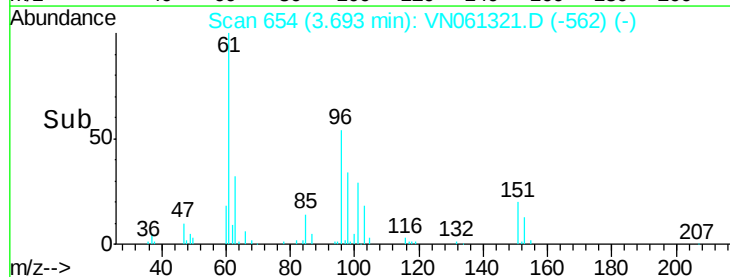
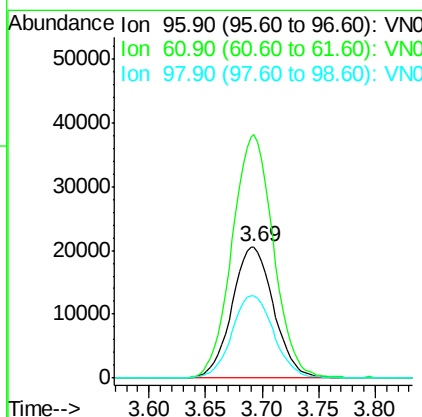
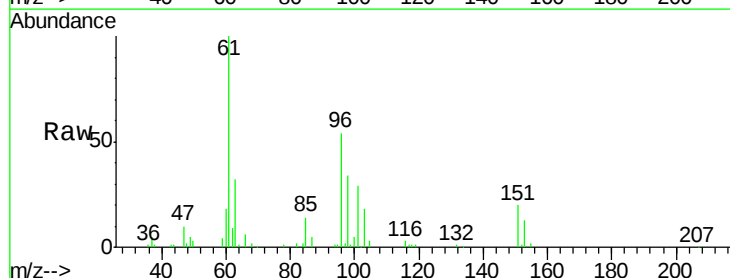
Manual Integrations
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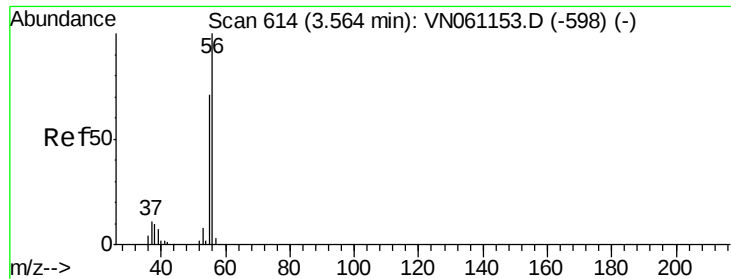
MMDadoda
5/7/2020 10:36:41 AM



#12
1,1-Dichloroethene
Concen: 48.812 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	96	Resp	52673
Ion Ratio	100	Lower	Upper
61	185.5	147.0	220.6
98	62.7	49.8	74.6





#13

Acrolein

Concen: 224.833 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 32481

Ion Ratio Lower Upper

56 100

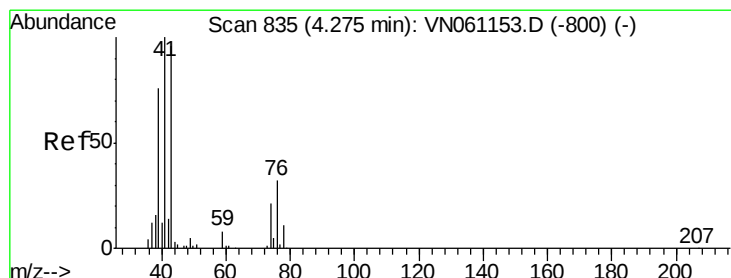
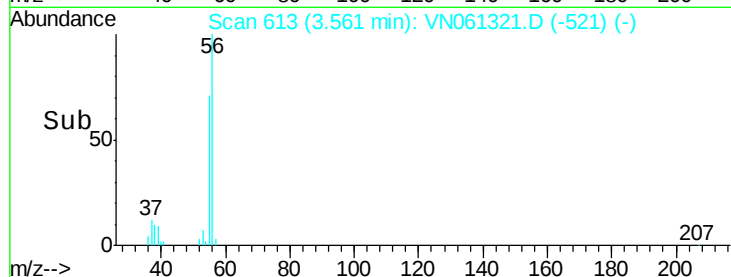
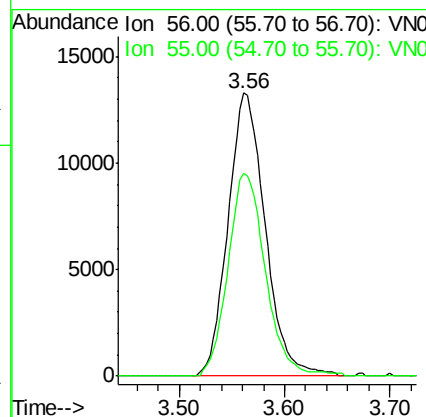
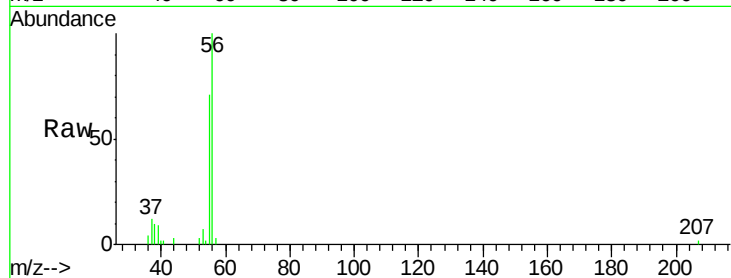
55 72.0 58.5 87.7

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#14

Allyl chloride

Concen: 56.563 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

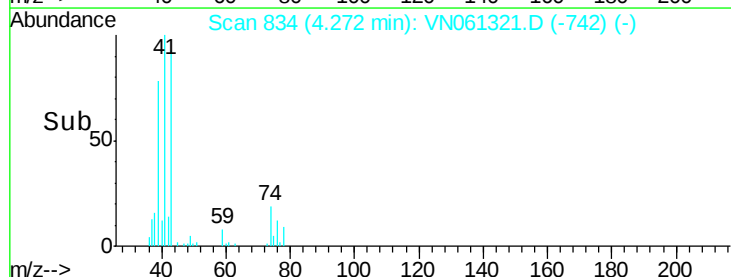
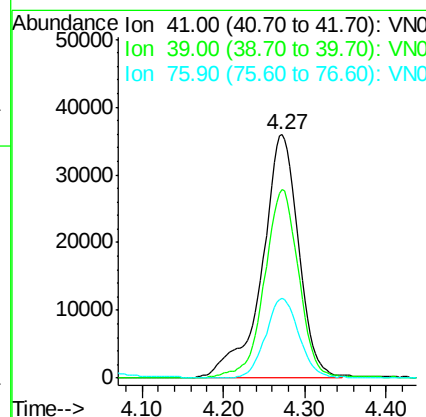
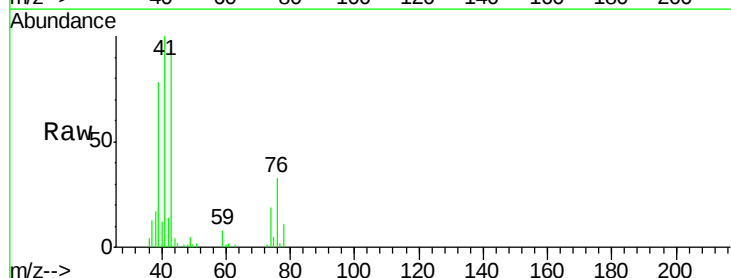
Tgt Ion: 41 Resp: 113173

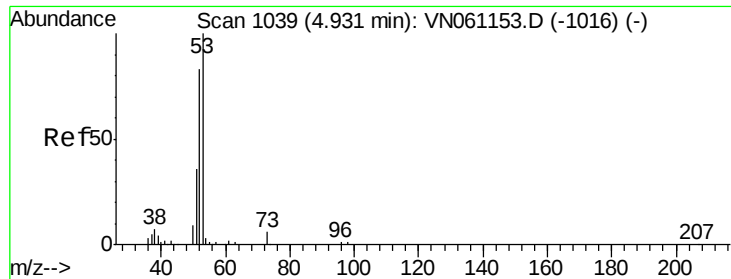
Ion Ratio Lower Upper

41 100

39 72.4 57.1 85.7

76 29.7 24.3 36.5





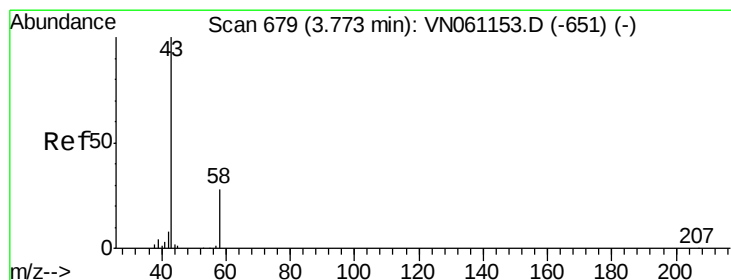
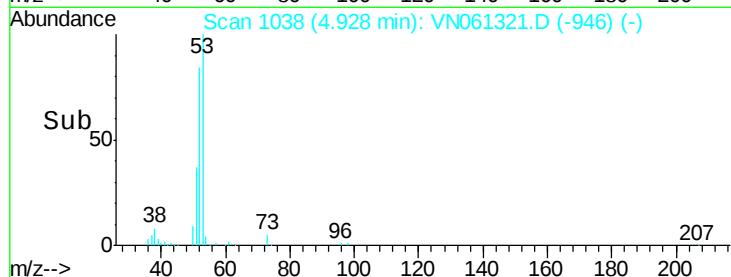
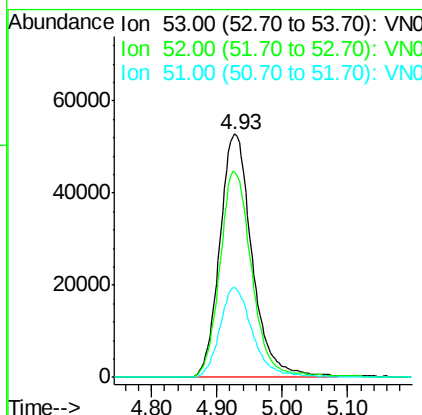
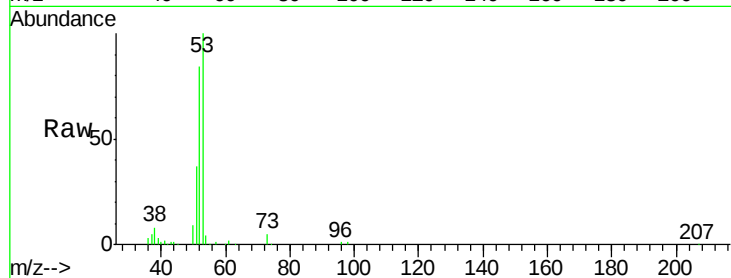
#15
 Acrylonitrile
 Concen: 272.941 ug/l
 RT: 4.93 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	181636
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.4	98.0
51	37.3	29.5	44.3

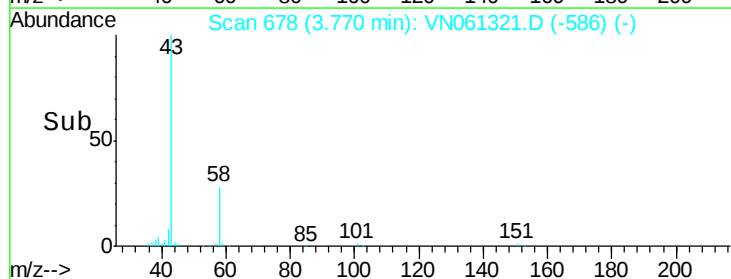
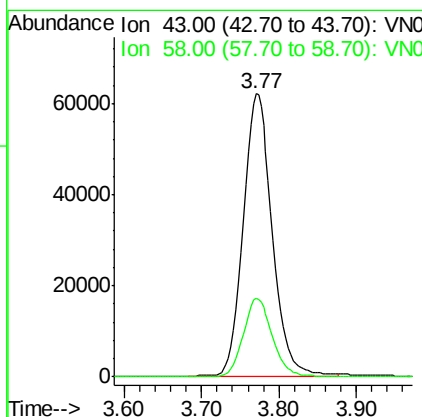
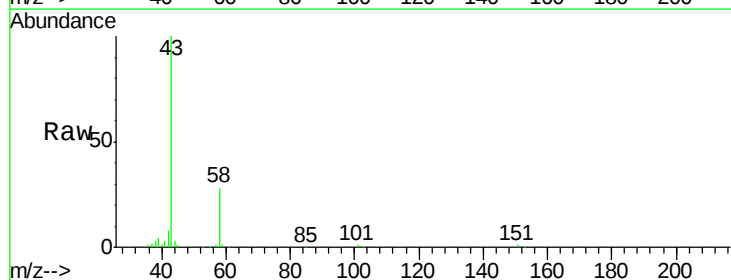
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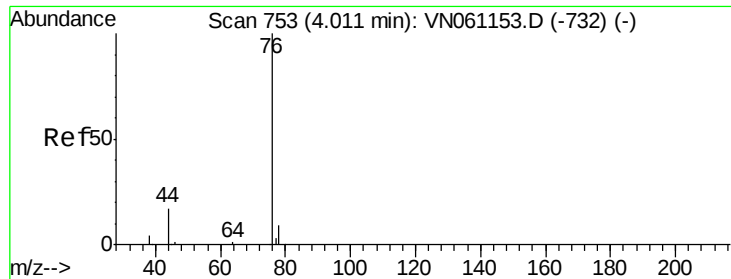
MMDadoda
 5/7/2020 10:36:41 AM



#16
 Acetone
 Concen: 260.178 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion:	43	Resp:	162700
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.2	33.2





#17

Carbon Disulfide

Concen: 34.949 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 104176

Ion Ratio Lower Upper

76 100

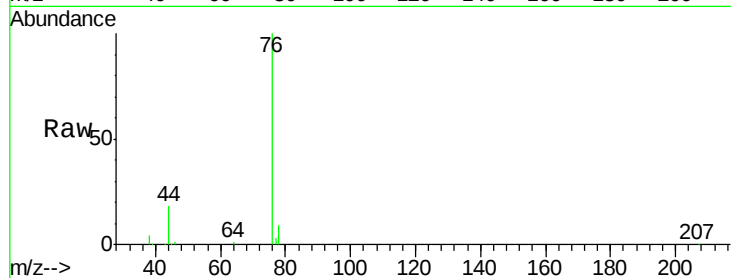
78 9.0 7.2 10.8

Manual Integrations

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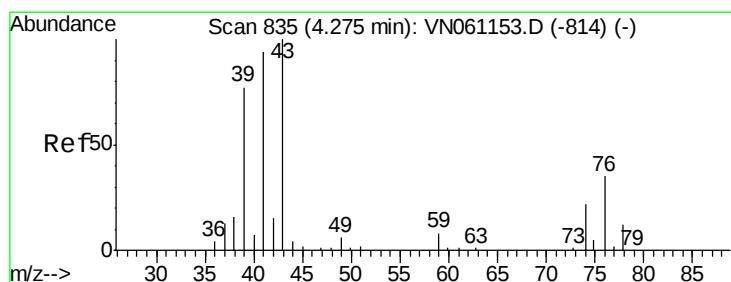
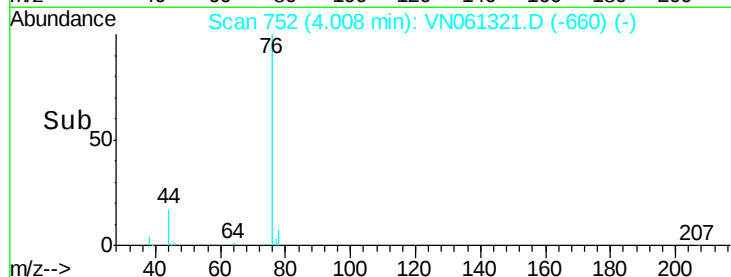
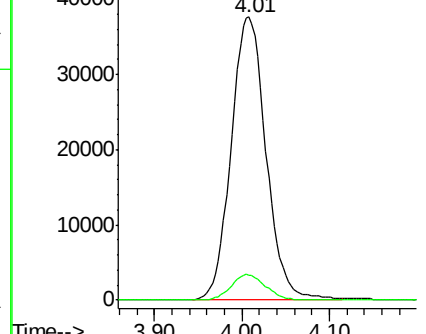
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 47.798 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061321.D

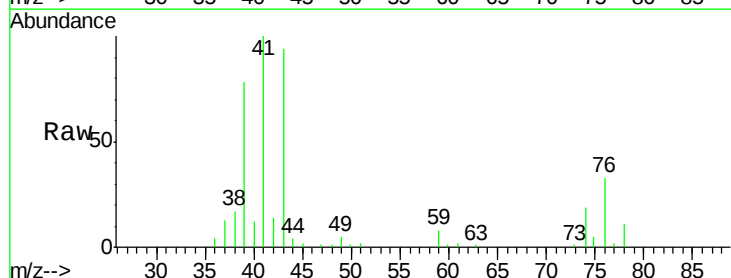
Acq: 6 May 2020 19:41

Tgt Ion: 43 Resp: 97581

Ion Ratio Lower Upper

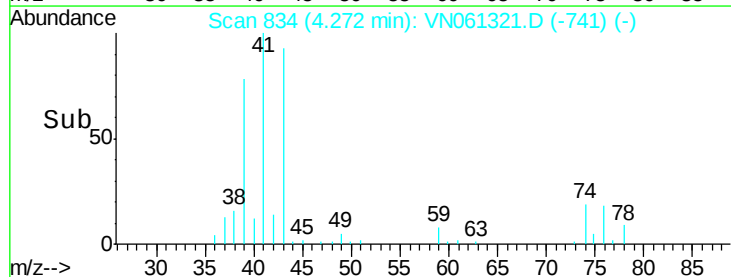
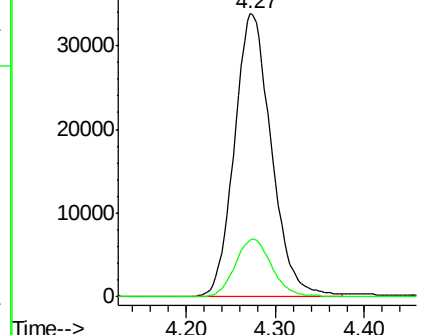
43 100

74 20.2 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





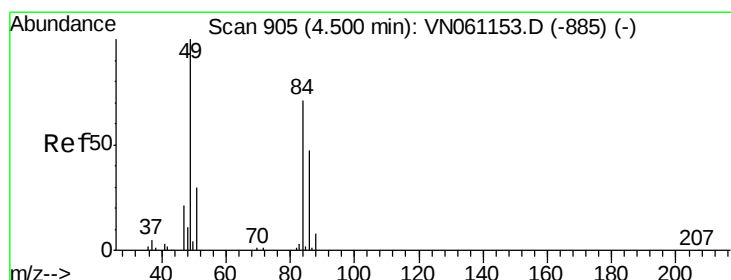
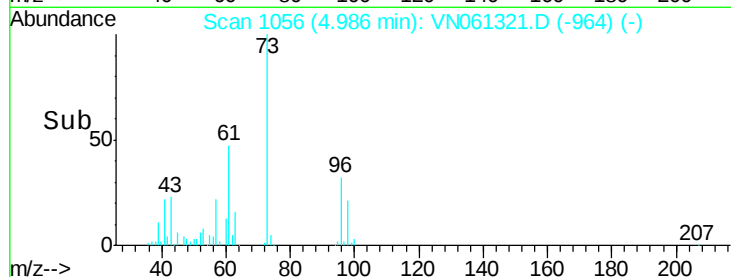
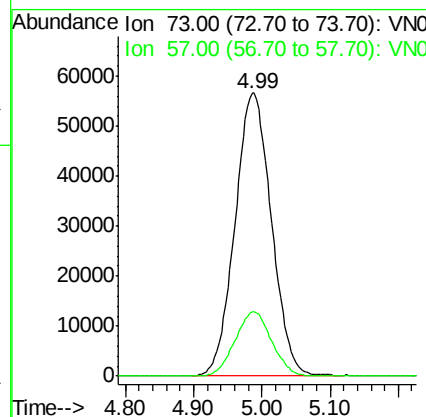
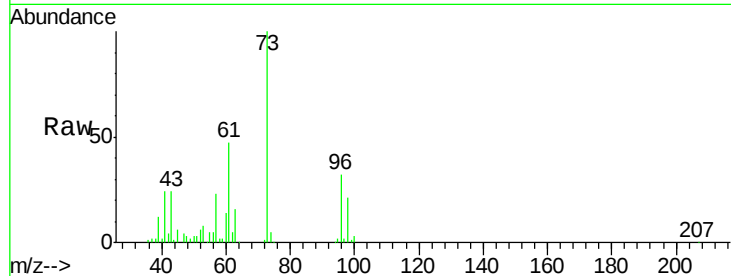
#19
Methvl tert-butvl Ether
Concen: 51.001 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 210293
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5

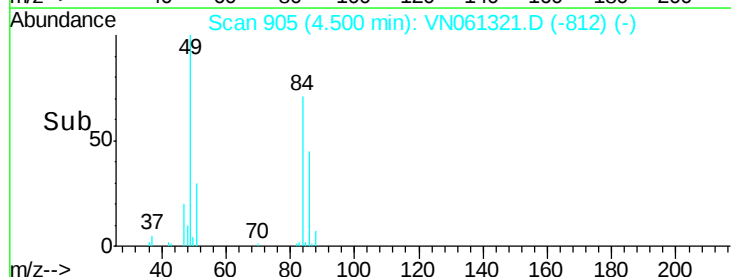
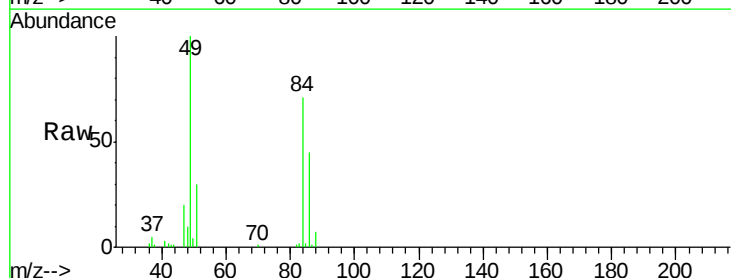
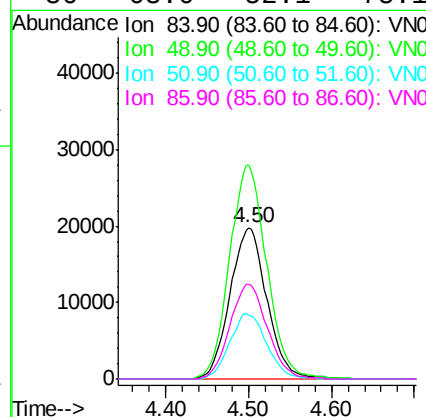
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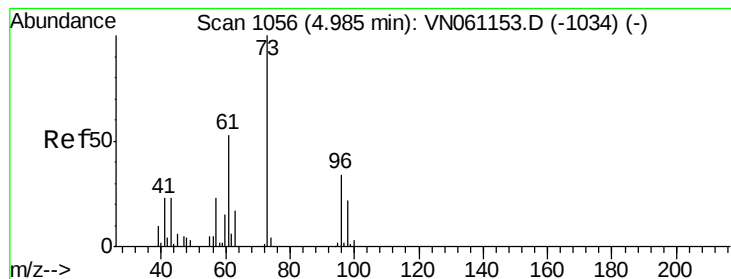
MMDadoda
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#20
Methylene Chloride
Concen: 48.486 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 84 Resp: 61185
Ion Ratio Lower Upper
84 100
49 141.2 112.0 168.0
51 42.5 33.6 50.4
86 63.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.566 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 57067

Ion Ratio Lower Upper

96 100

61 149.7 123.0 184.4

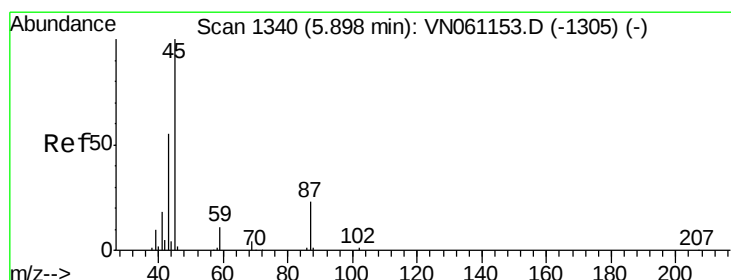
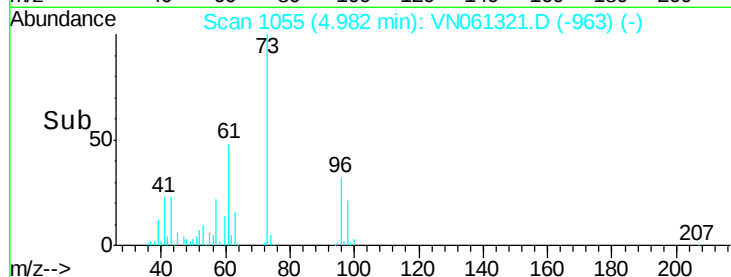
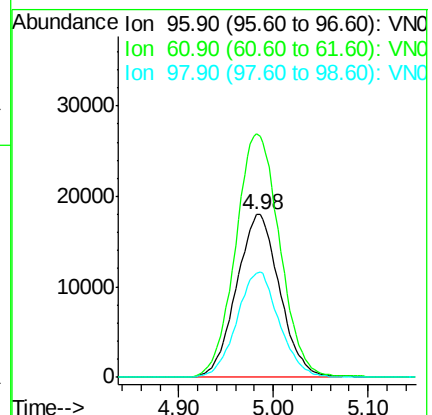
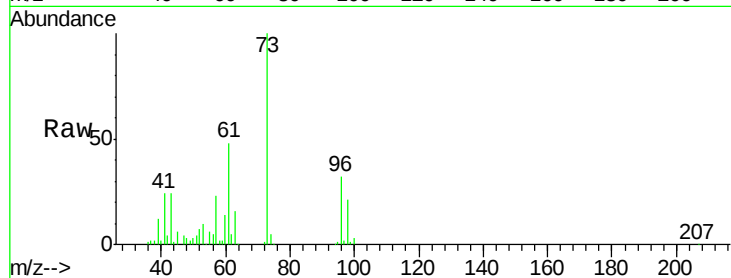
98 63.7 50.1 75.1

Manual Integrations

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5/7/2020 10:36:41 AM



#22

Diisopropyl ether

Concen: 52.201 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Tgt Ion: 45 Resp: 242202

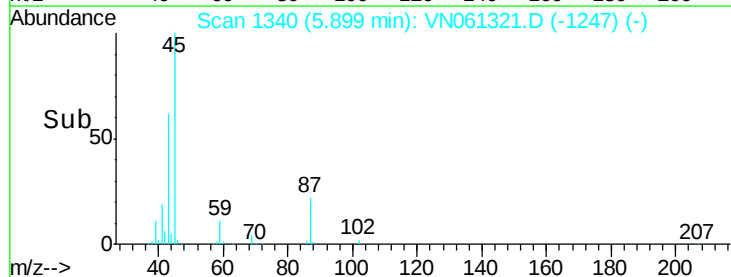
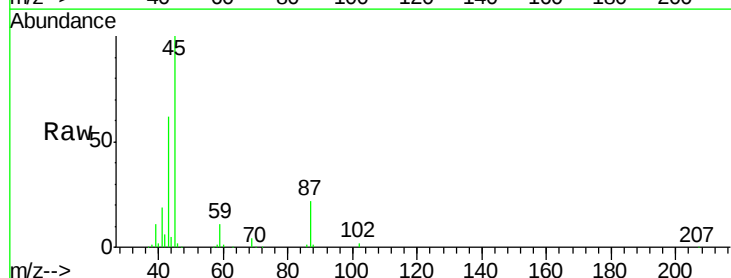
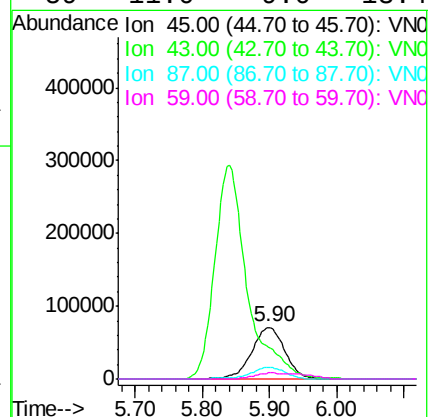
Ion Ratio Lower Upper

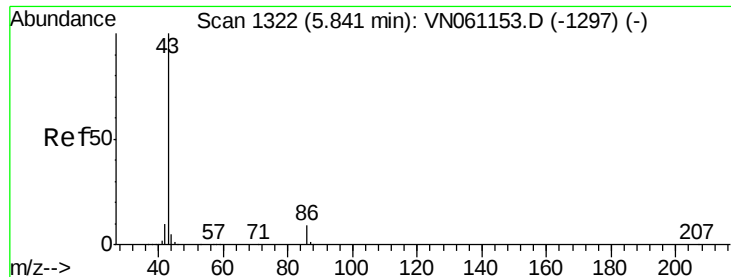
45 100

43 60.9 47.9 71.9

87 22.4 19.2 28.8

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 265.251 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 990938

Ion Ratio Lower Upper

43 100

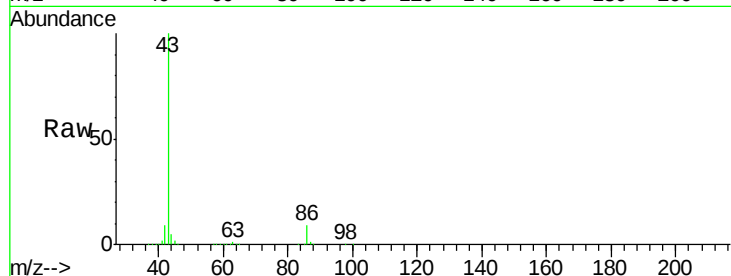
86 8.9 7.2 10.8

Manual Integrations

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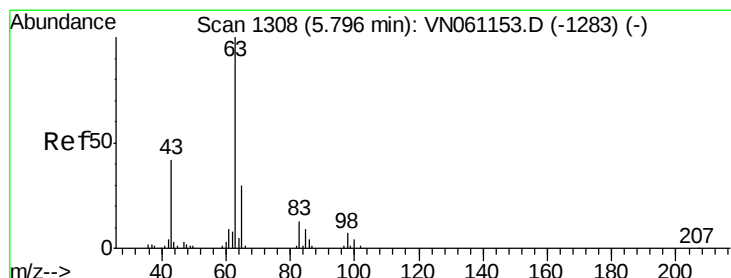
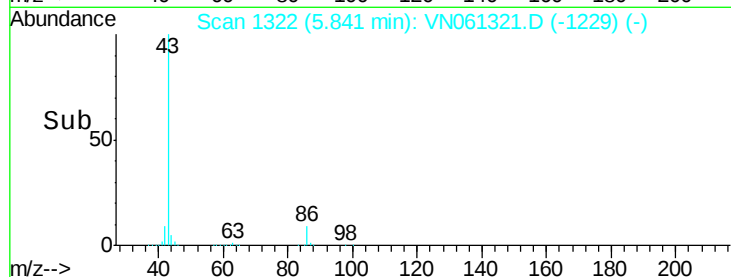
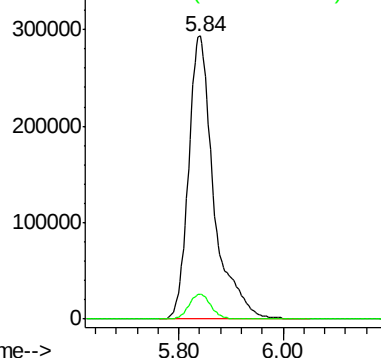
MMDadoda

5/7/2020 10:36:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.058 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

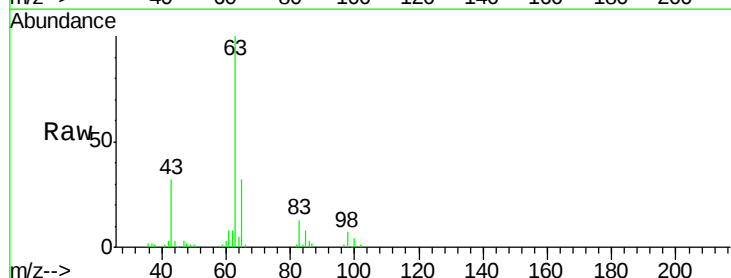
Tgt Ion: 63 Resp: 121350

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

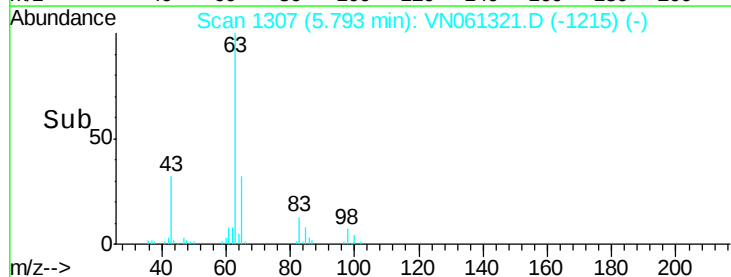
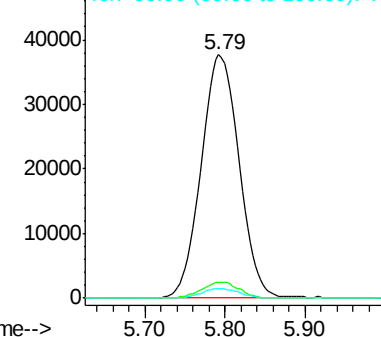
100 3.9 1.9 5.7

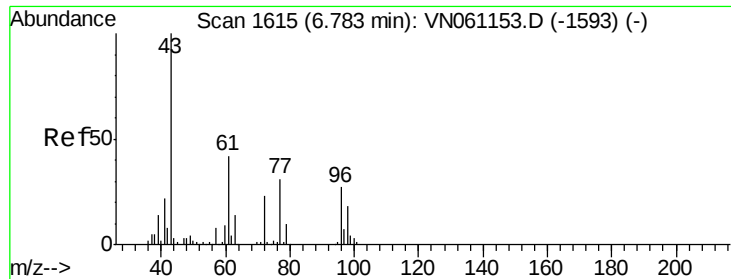


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 274.172 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 262551

Ion Ratio Lower Upper

43 100

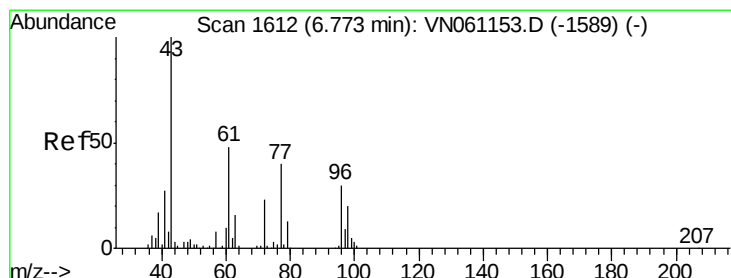
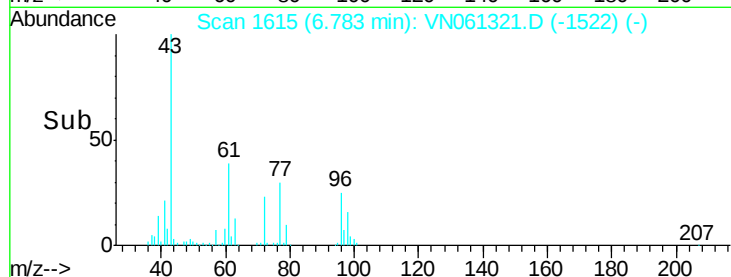
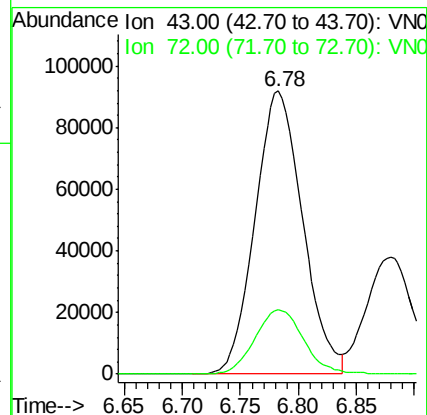
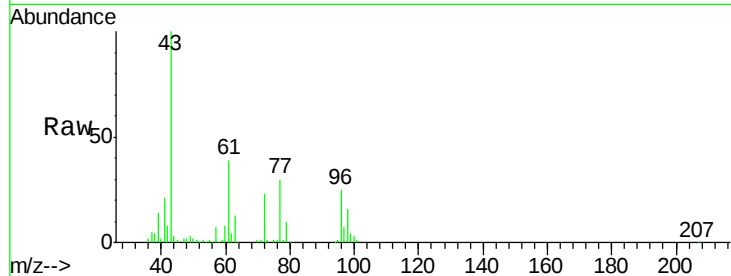
72 22.7 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.722 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061321.D

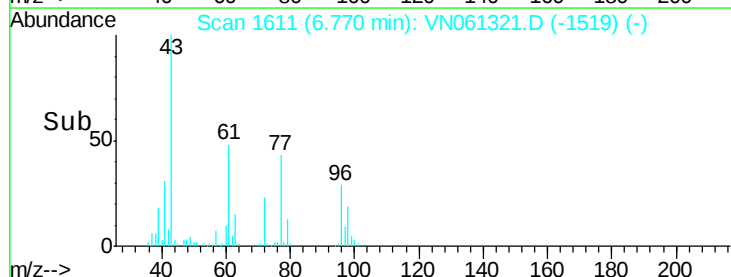
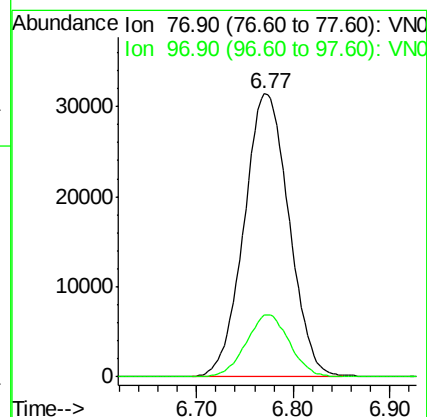
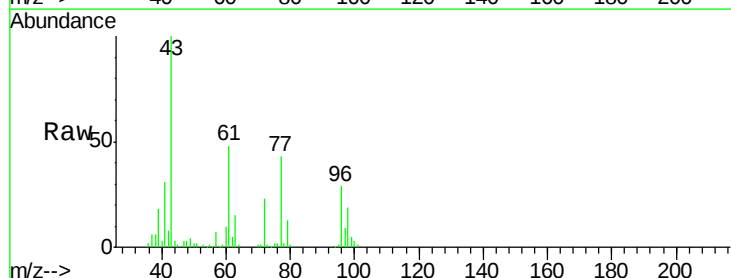
Acq: 6 May 2020 19:41

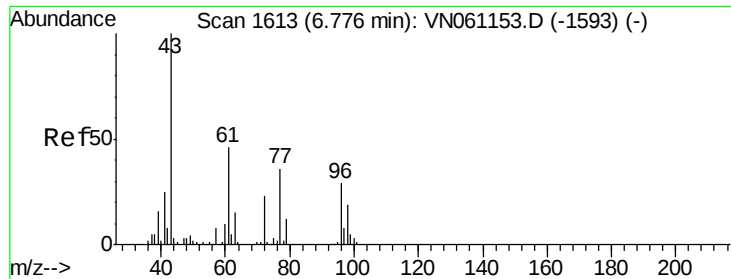
Tgt Ion: 77 Resp: 101527

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 49.461 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

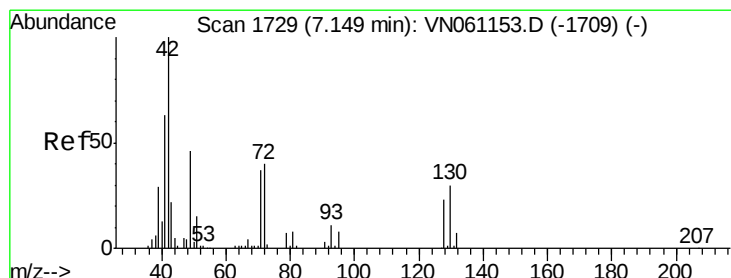
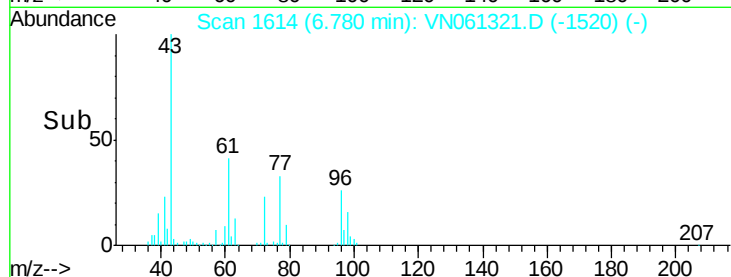
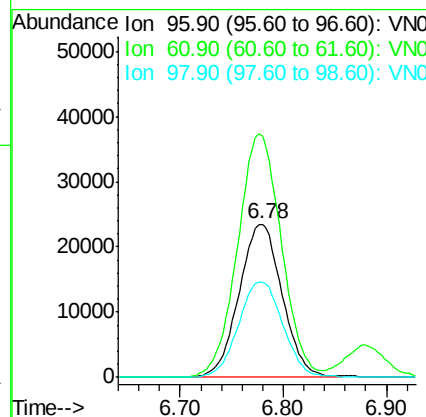
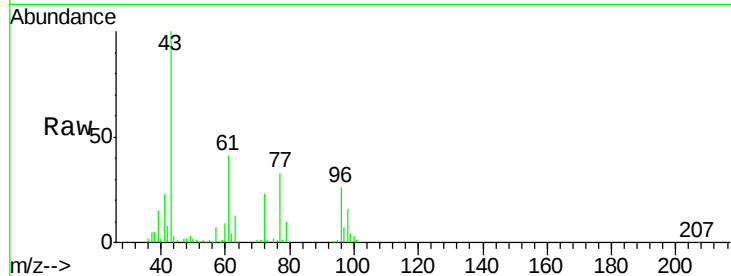
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	68203
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	322.0
98	64.3	0.0	129.6

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#28

Bromochloromethane

Concen: 50.886 ug/l

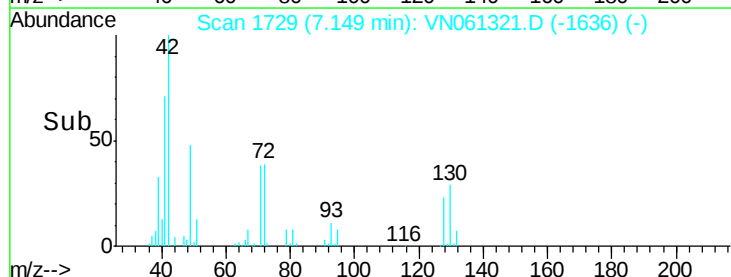
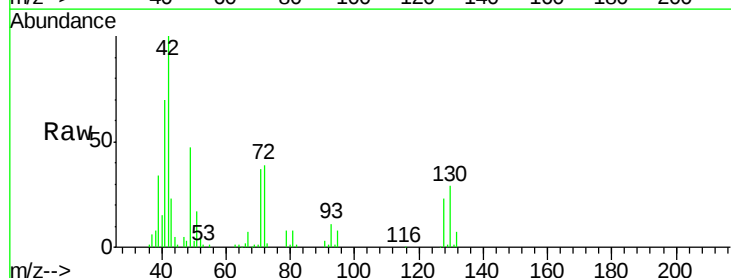
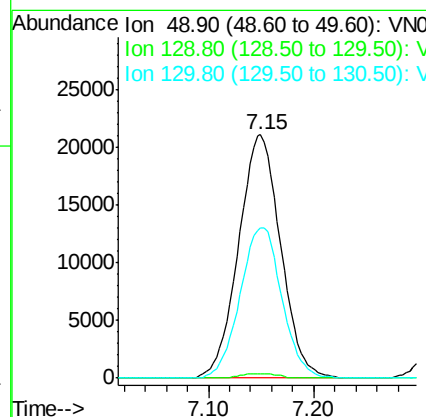
RT: 7.15 min Scan# 1729

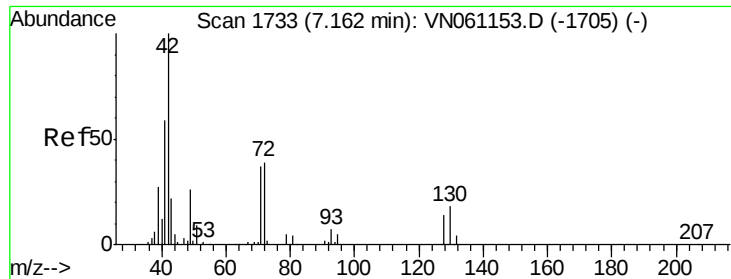
Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Tgt Ion:	49	Resp:	58469
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	61.5	51.4	77.2





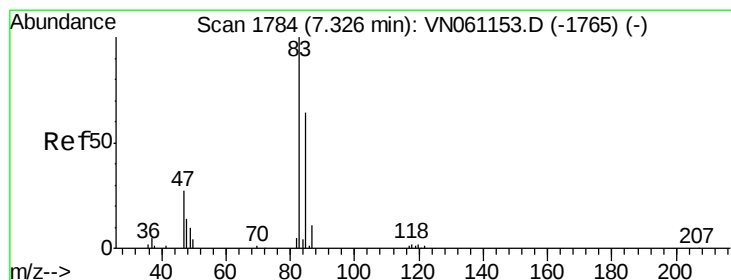
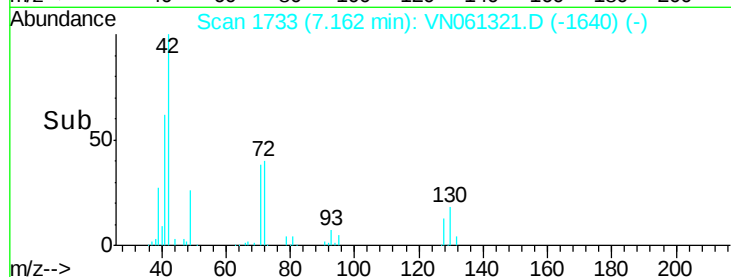
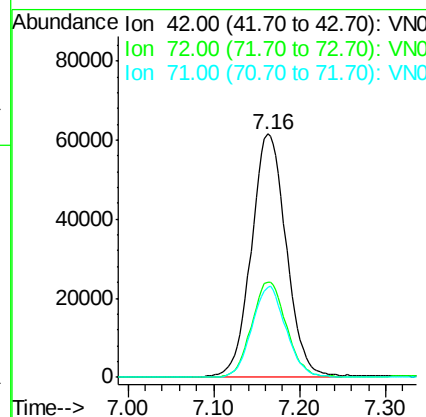
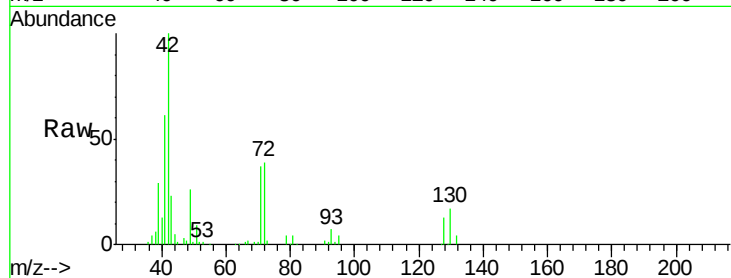
#29
Tetrahydrofuran
Concen: 270.278 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.4	47.0
71	36.2	29.5	44.3

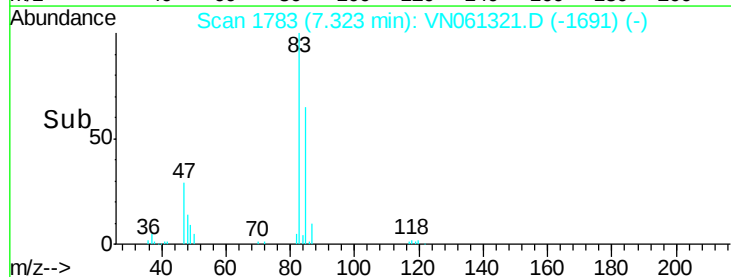
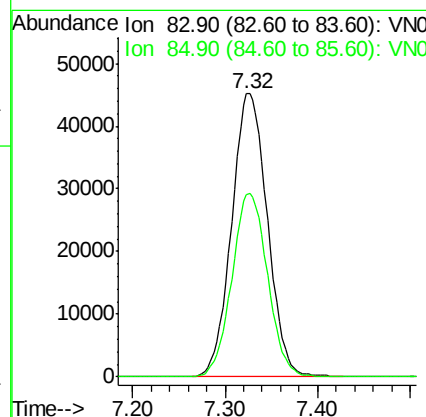
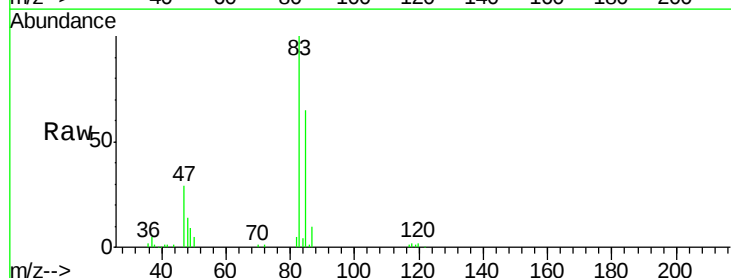
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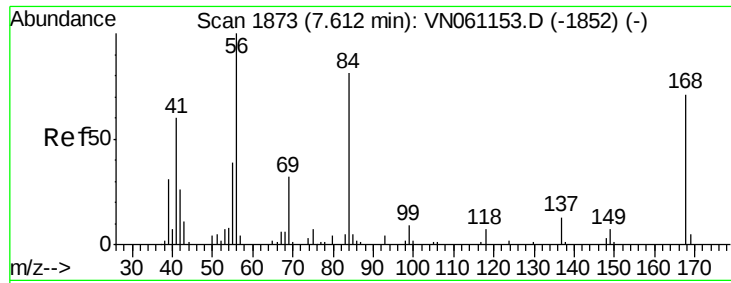
MMDadoda
5/7/2020 10:36:41 AM



#30
Chloroform
Concen: 49.139 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7





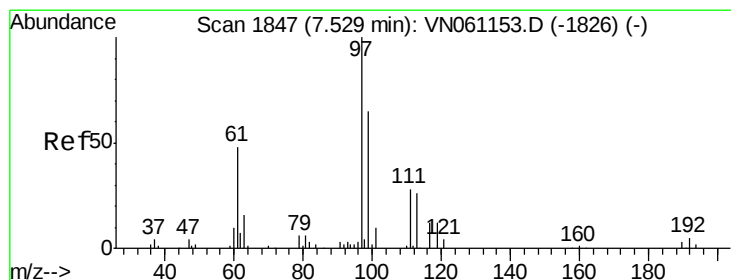
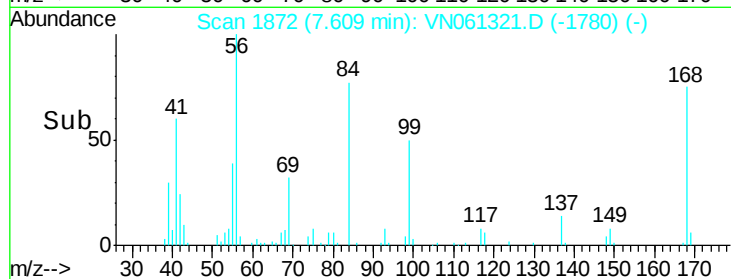
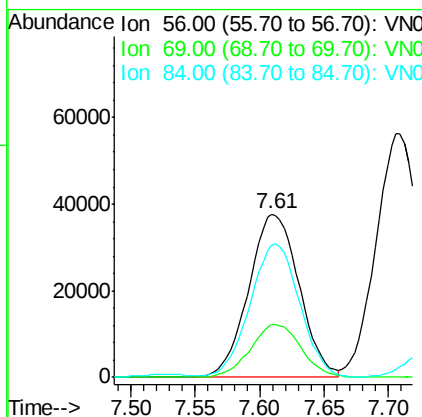
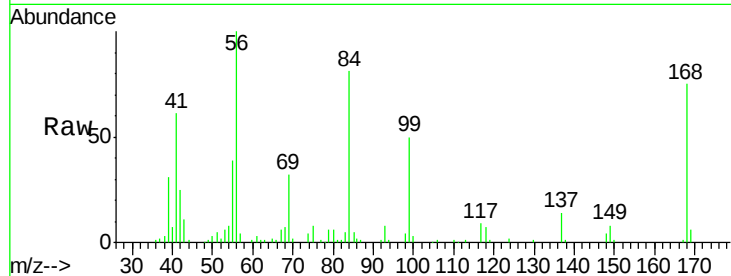
#31
Cyclohexane
Concen: 43.571 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.7	38.5
84	79.9	64.6	97.0

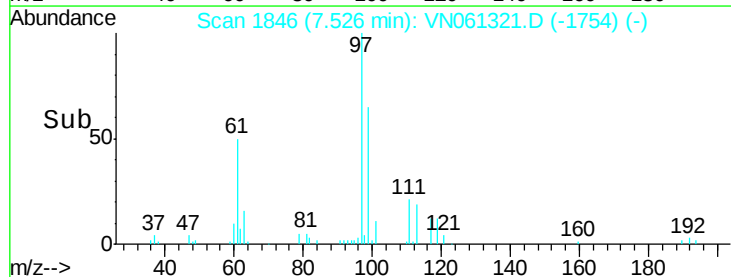
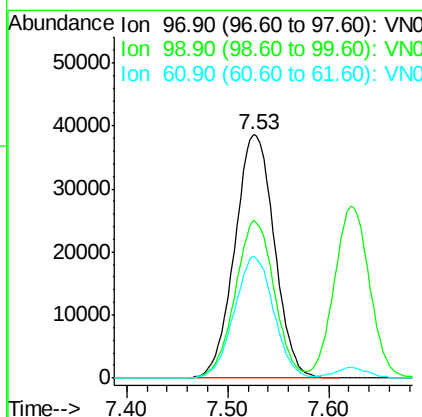
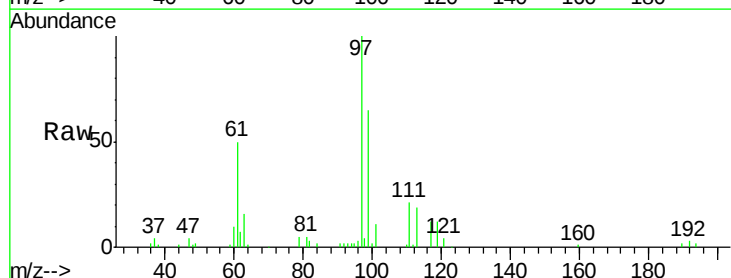
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#32
1,1,1-Trichloroethane
Concen: 49.156 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	49.6	38.6	57.8





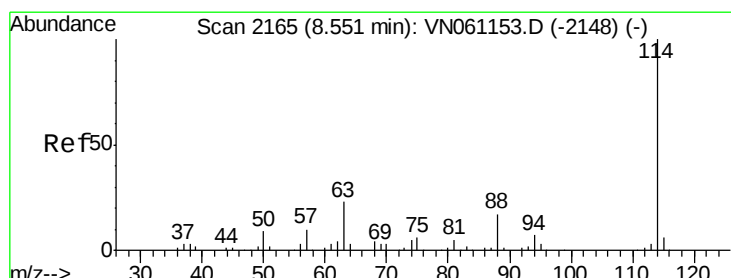
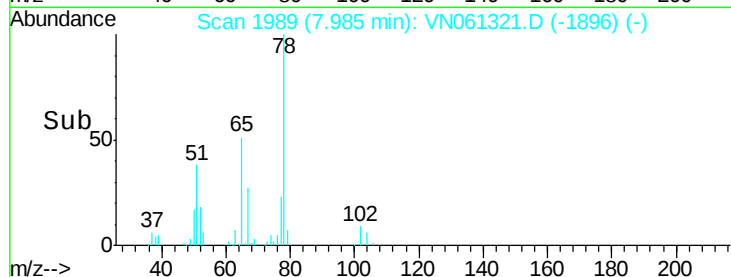
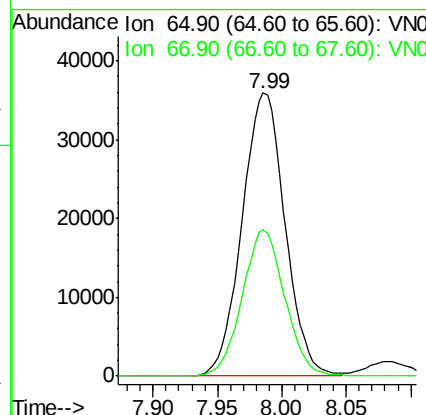
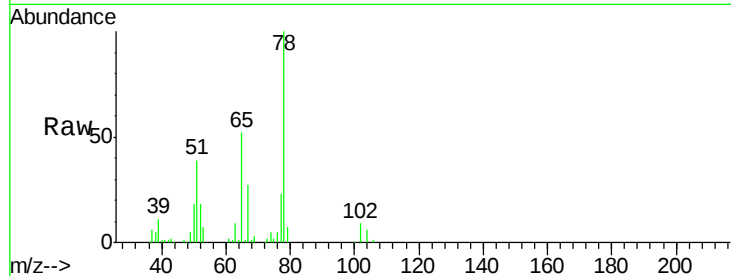
#33
 1,2-Dichloroethane-d4
 Concen: 51.547 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	83419		
67	51.2	0.0	101.6	

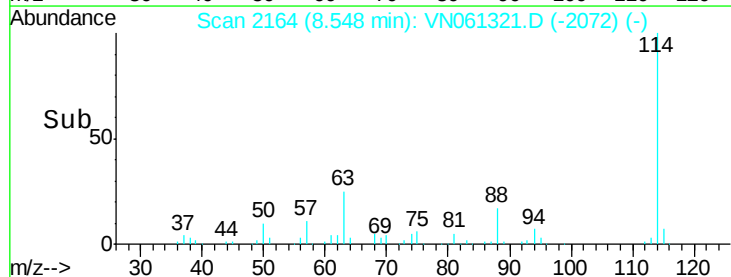
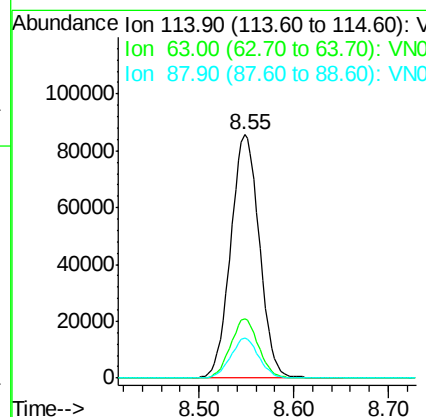
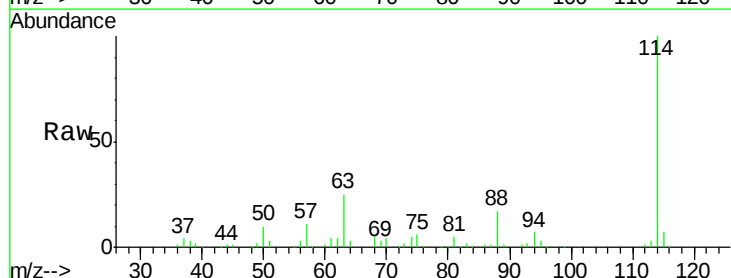
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	180478		
63	24.6	0.0	46.6	
88	16.5	0.0	33.4	





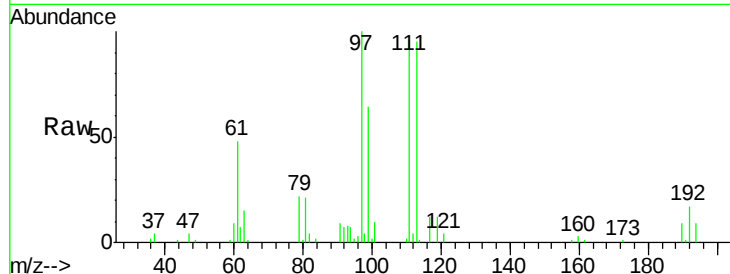
#35
Dibromofluoromethane
Concen: 41.789 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	17.8	14.7	22.1

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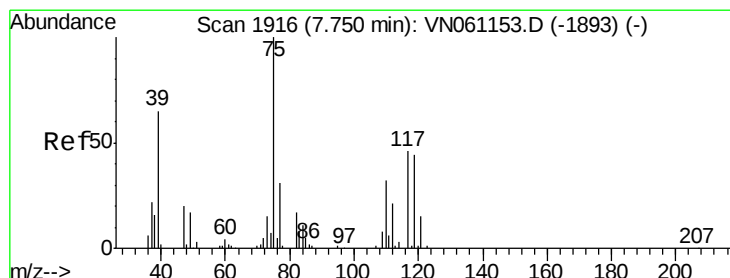
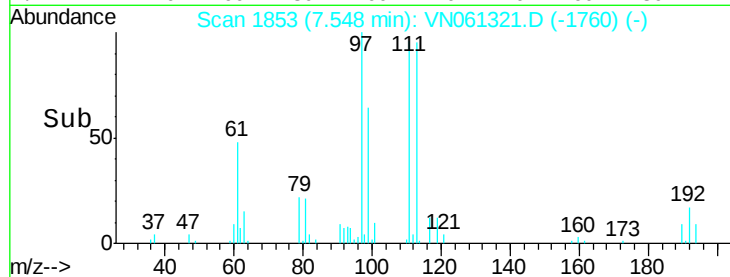
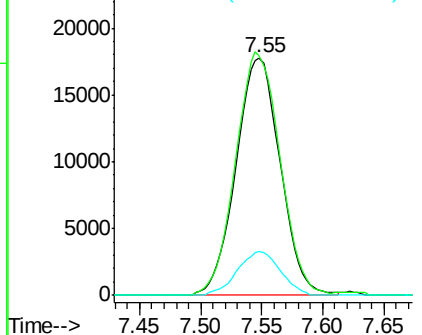


Abundance

Ion 112.80 (112.50 to 113.50): V

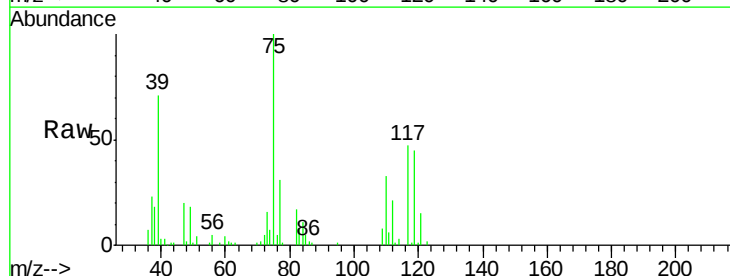
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 48.745 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	16.0	48.0
77	30.3	24.6	37.0

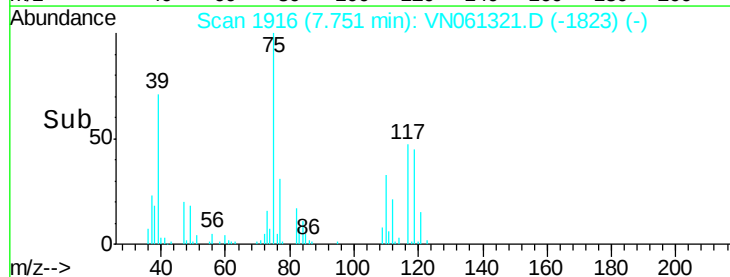
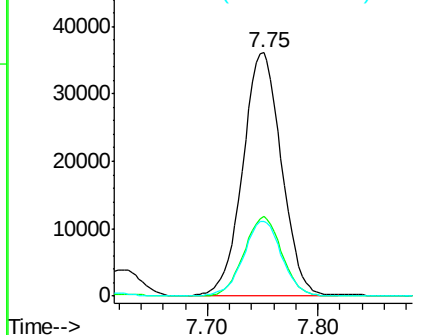


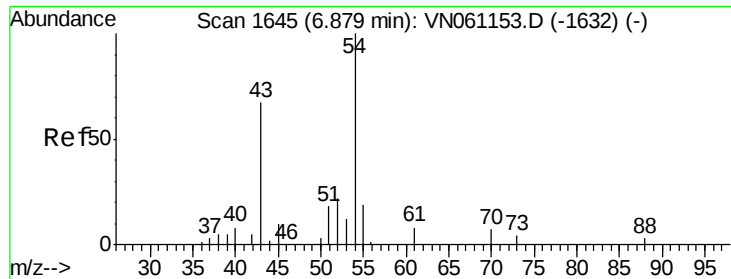
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





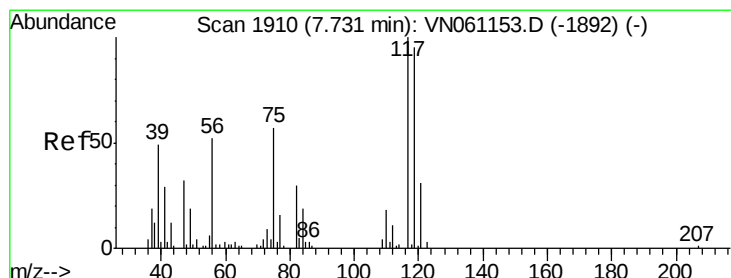
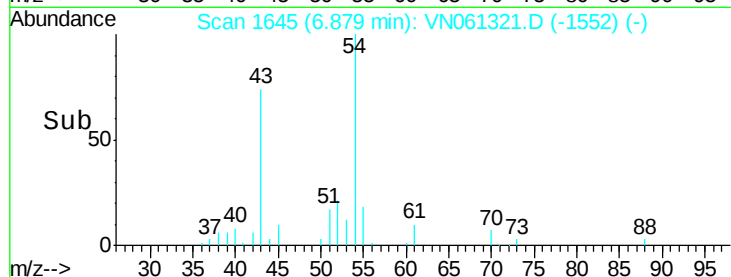
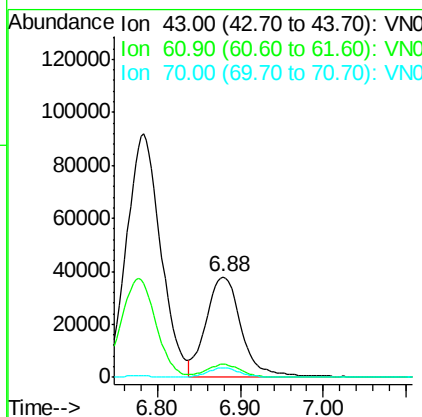
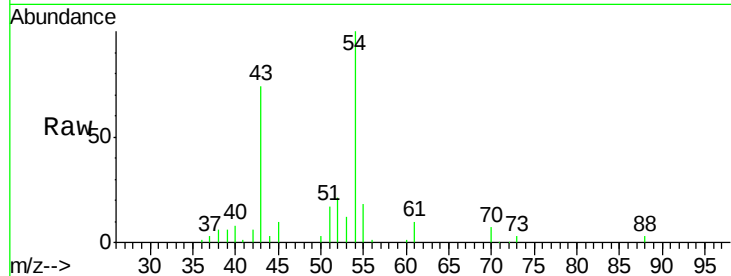
#37
Ethyl Acetate
Concen: 52.174 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	8.9	7.2	10.8

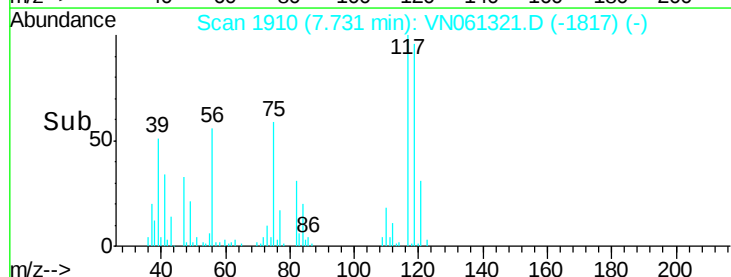
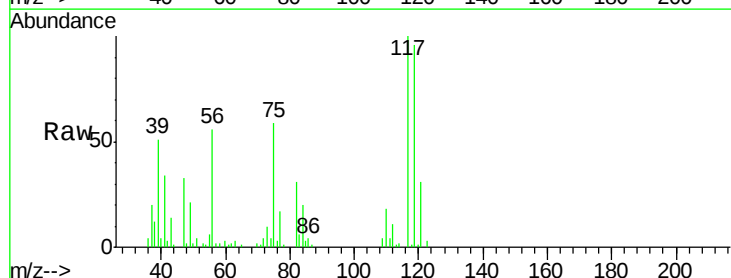
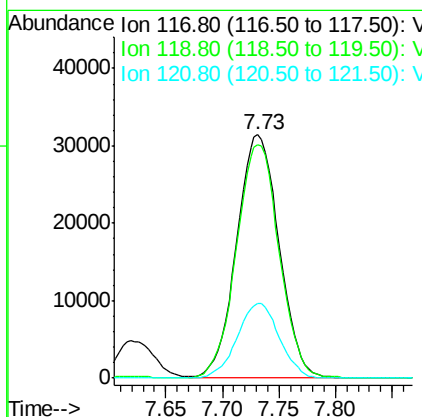
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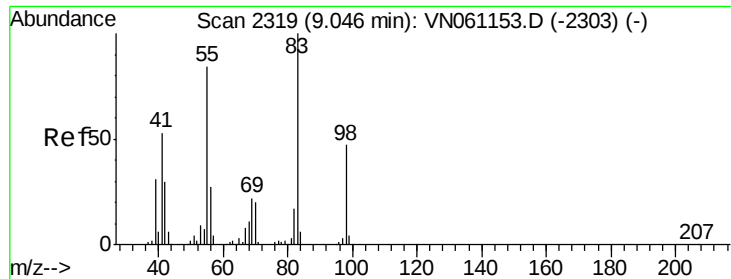
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#38
Carbon Tetrachloride
Concen: 49.824 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.8	113.6
121	30.6	24.7	37.1





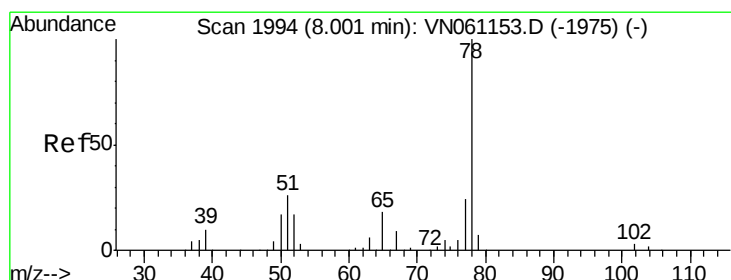
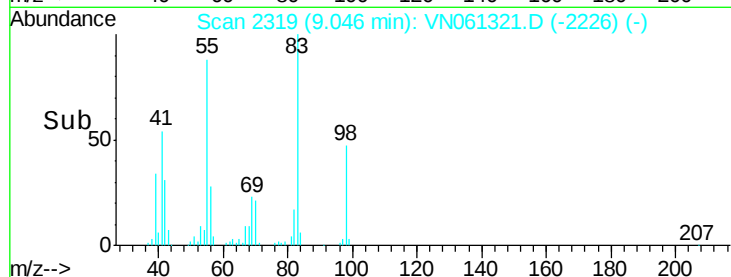
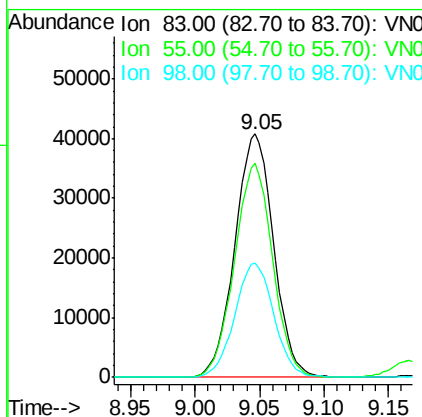
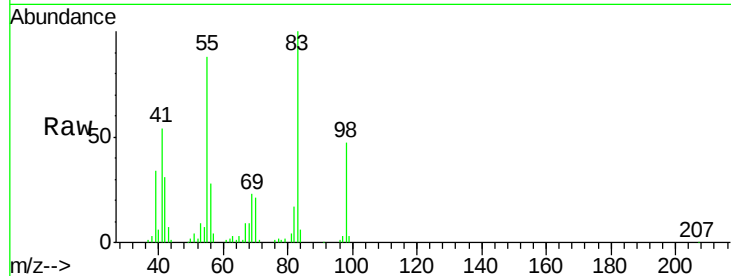
#39
Methvlcvclohexane
Concen: 42.062 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.7	67.3	100.9
98	46.8	37.7	56.5

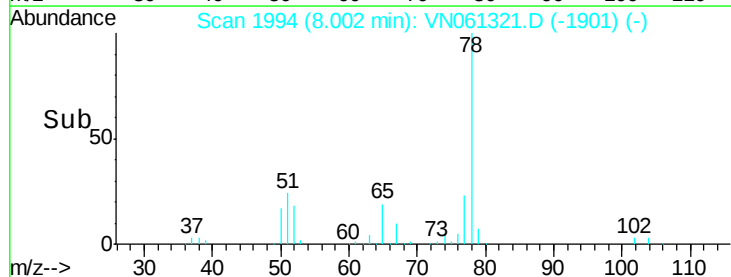
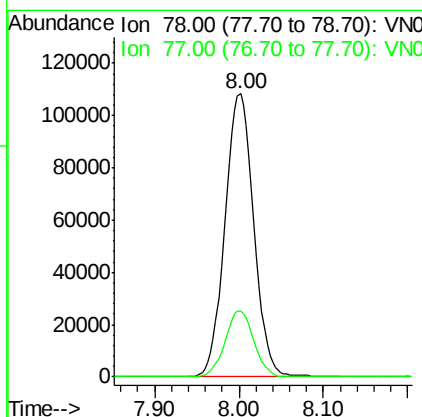
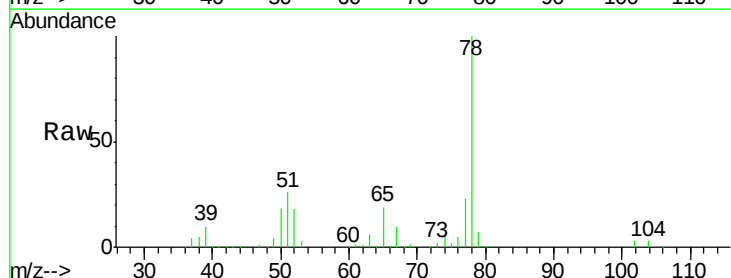
Manual Integrations
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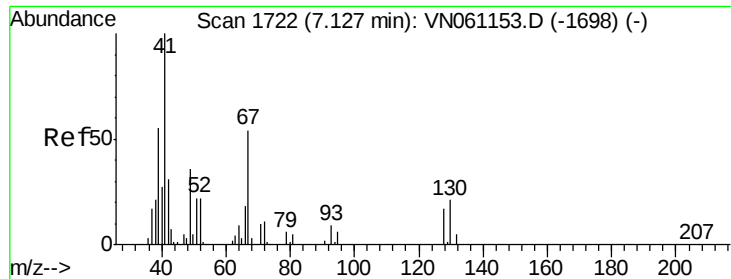
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5/7/2020 10:36:41 AM



#40
Benzene
Concen: 47.872 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





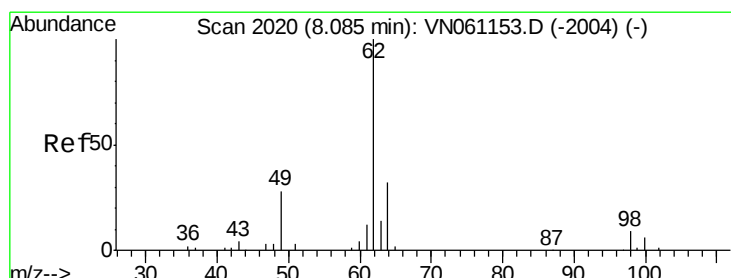
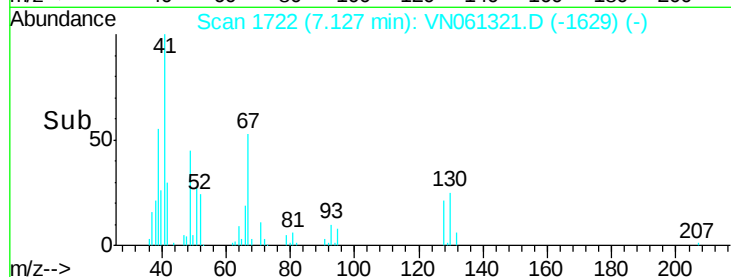
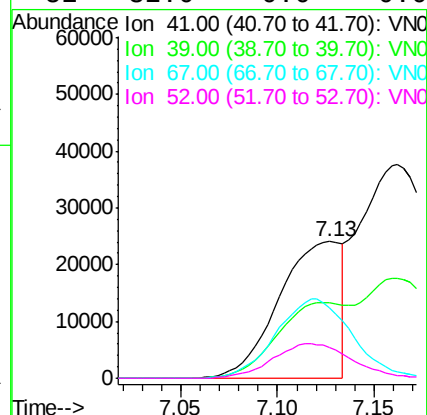
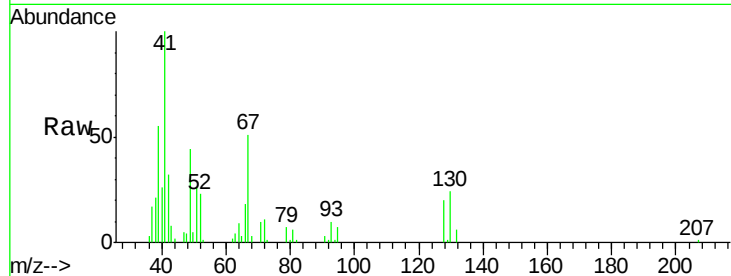
#41
Methacrylonitrile
Concen: 61.642 ug/l
RT: 7.13 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.8	0.0	0.0#
67	70.9	0.0	0.0#
52	32.0	0.0	0.0#

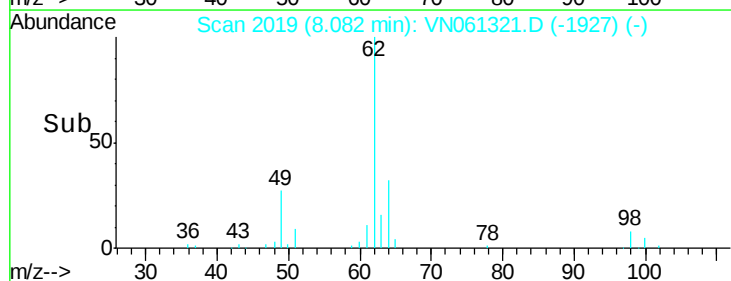
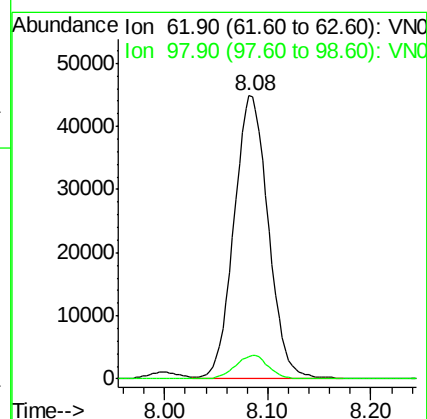
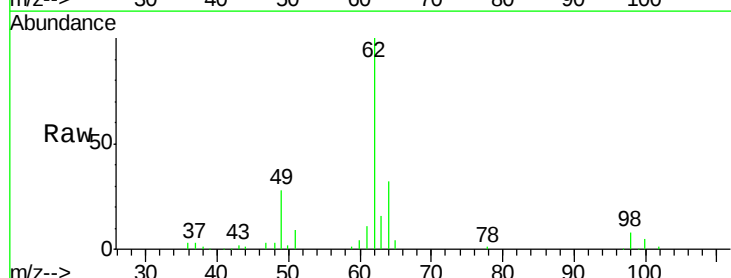
Manual Integrations
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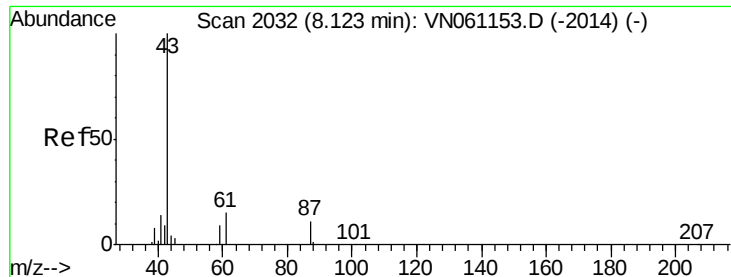
MMDadoda
5/7/2020 10:36:41 AM



#42
1,2-Dichloroethane
Concen: 51.047 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.8





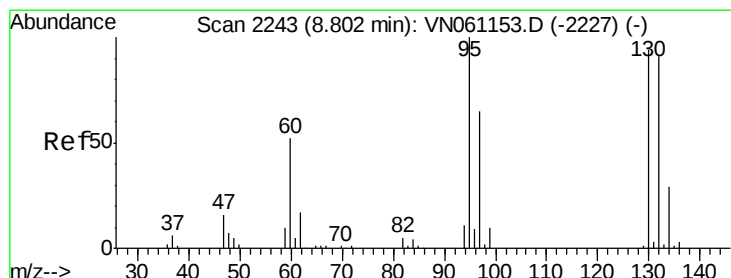
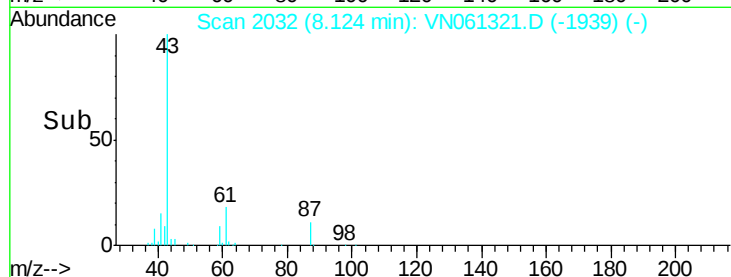
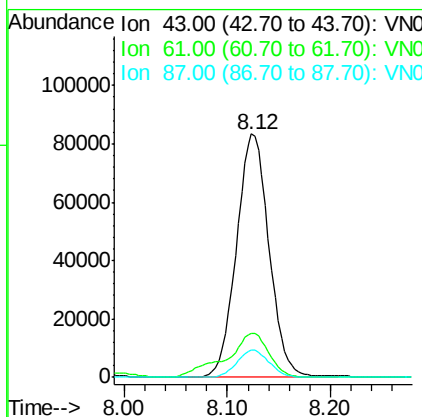
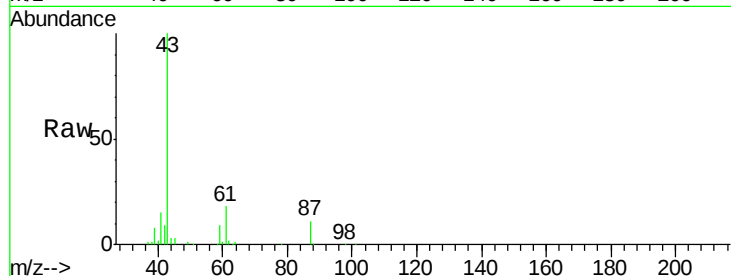
#43
Isopropyl Acetate
Concen: 52.145 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.9	19.5	29.3
87	11.0	8.9	13.3

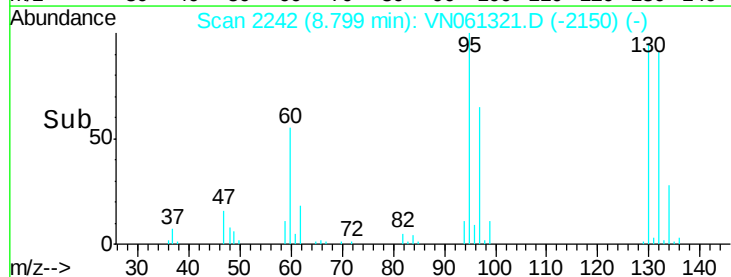
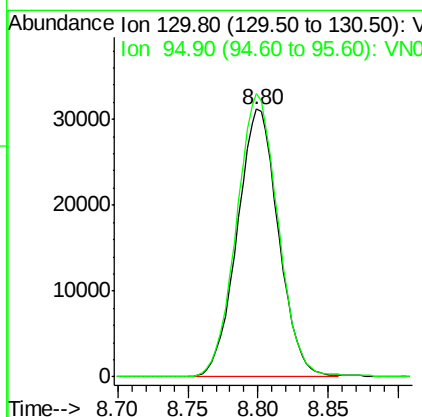
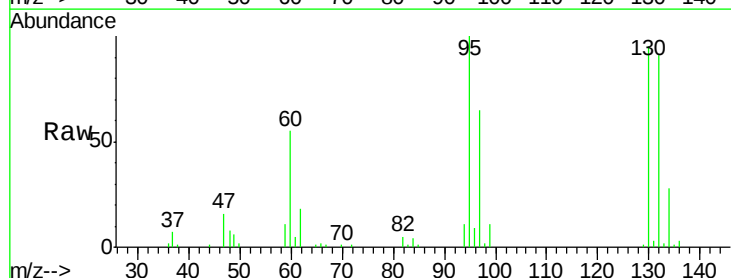
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#44
Trichloroethene
Concen: 43.935 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	212.4





#45

1,2-Dichloropropane

Concen: 49.108 ug/l

RT: 9.09 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 70616

Ion Ratio Lower Upper

63 100

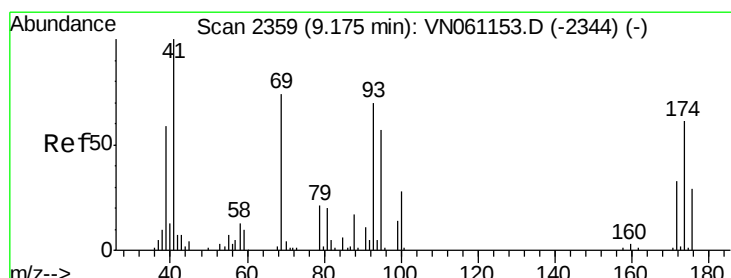
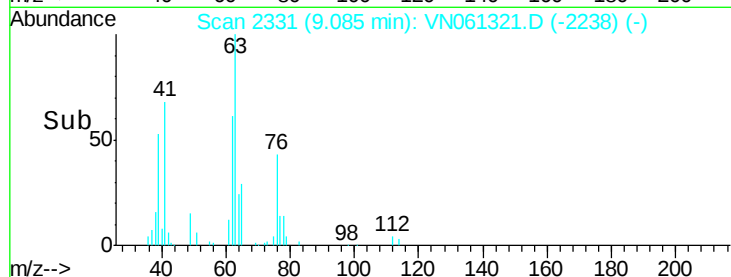
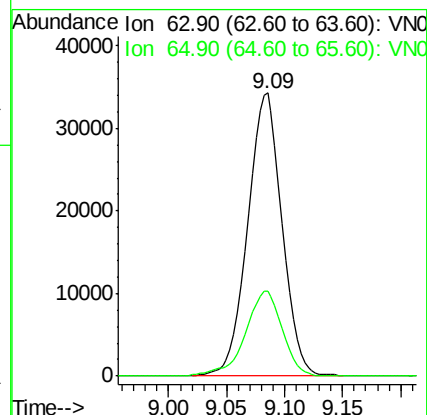
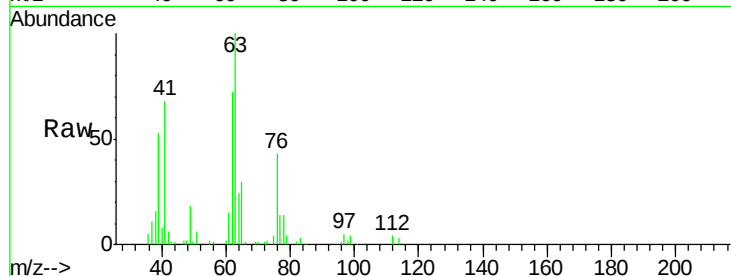
65 30.2 24.7 37.1

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#46

Dibromomethane

Concen: 50.500 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

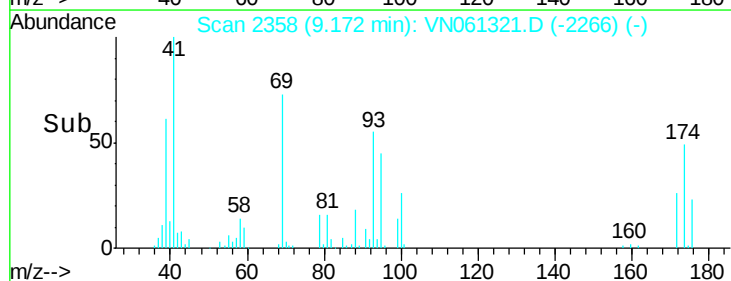
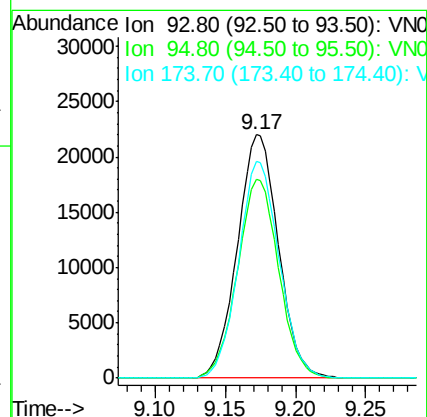
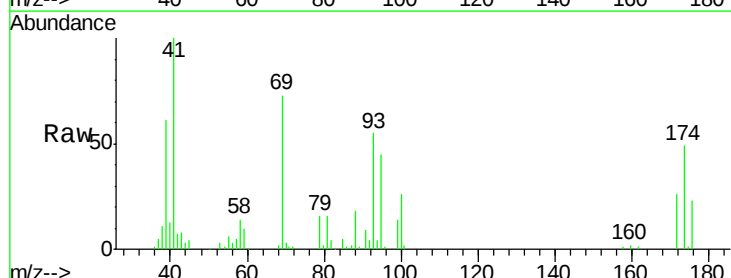
Tgt Ion: 93 Resp: 44963

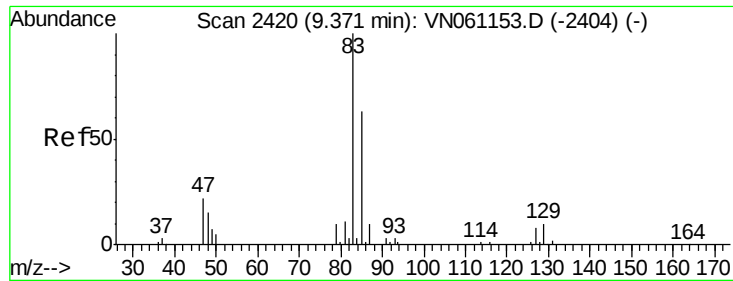
Ion Ratio Lower Upper

93 100

95 81.6 66.6 99.8

174 87.8 70.2 105.2





#47

Bromodichloromethane

Concen: 51.346 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

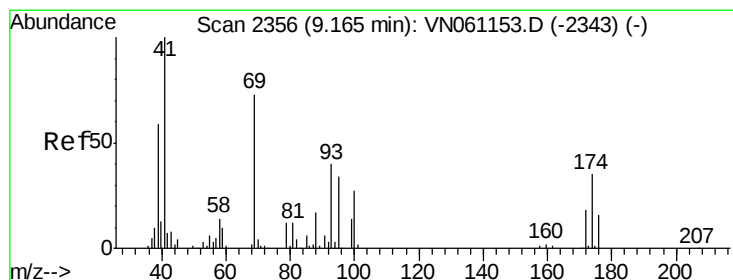
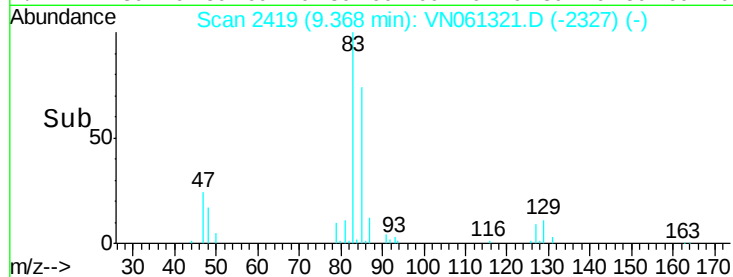
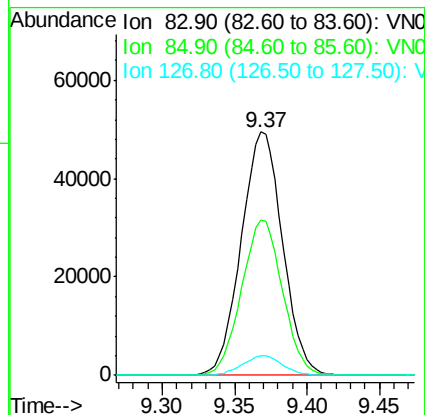
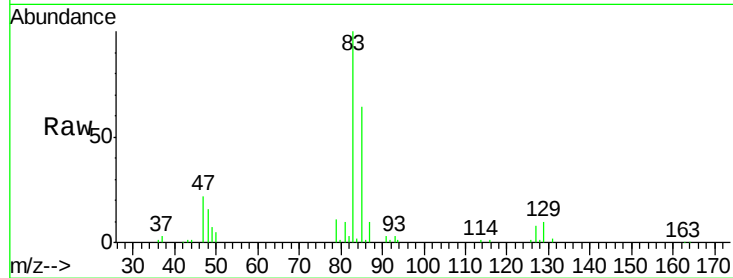
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	98126
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.4	75.6
127	8.0	6.2	9.2

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#48

Methyl methacrylate

Concen: 53.325 ug/l

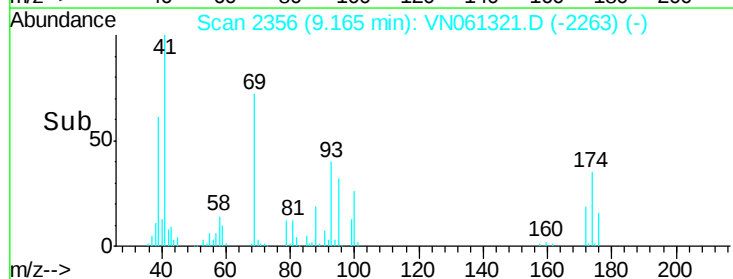
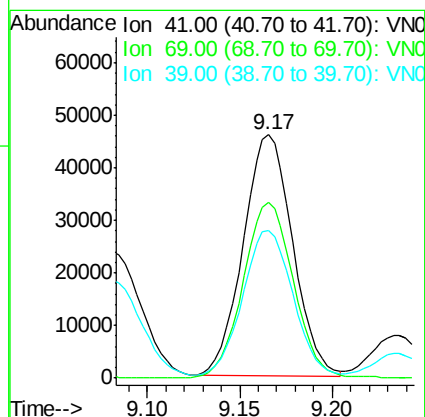
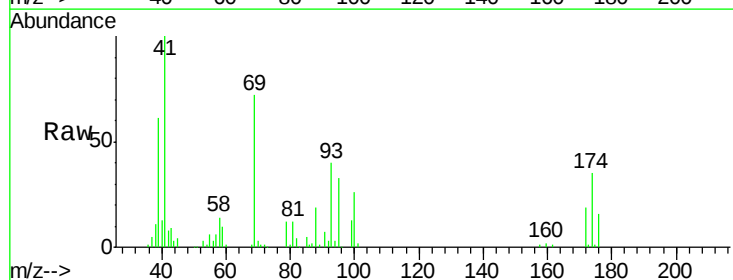
RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Tgt Ion:	41	Resp:	84584
Ion Ratio	Lower	Upper	
41	100		
69	74.6	60.3	90.5
39	63.6	47.4	71.0





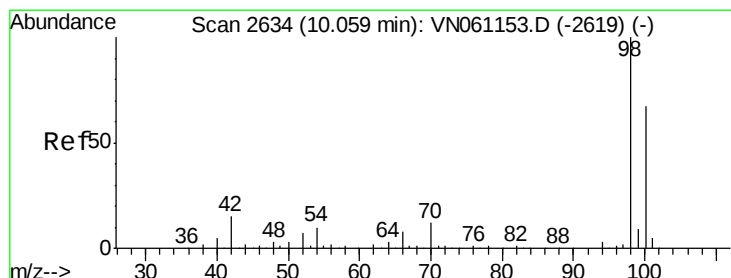
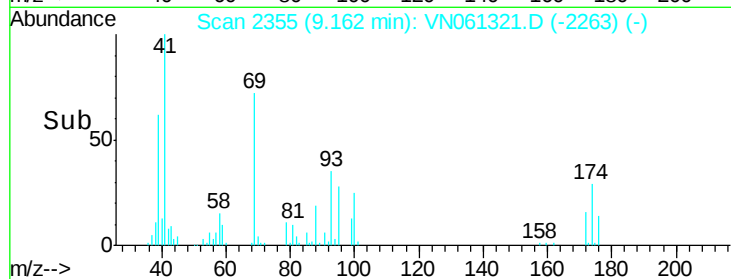
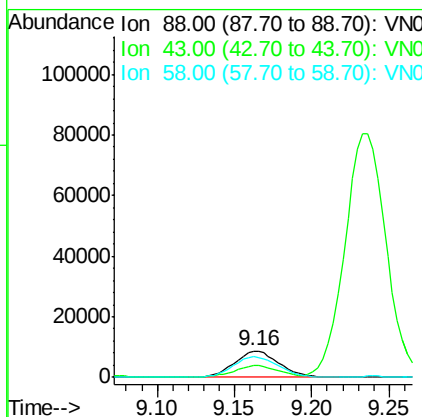
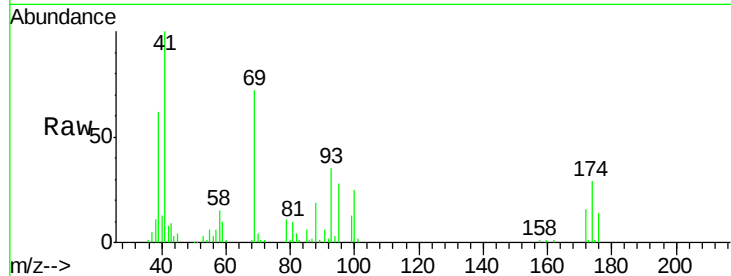
#49
1,4-Dioxane
Concen: 969.997 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.2	35.3	52.9
58	78.7	61.5	92.3

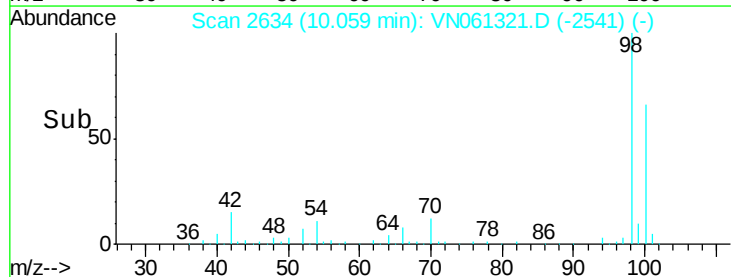
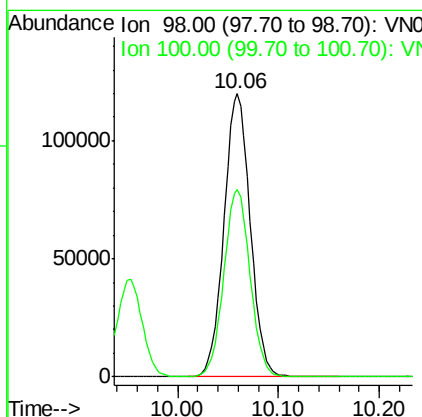
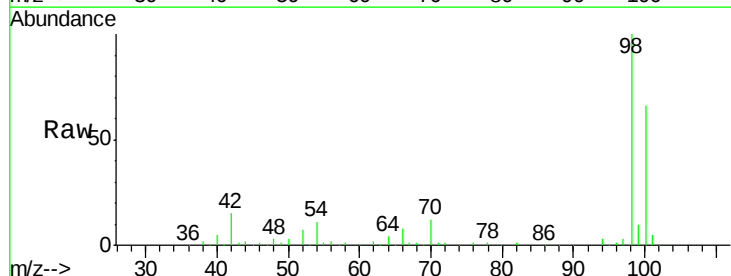
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#50
Toluene-d8
Concen: 50.155 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.0





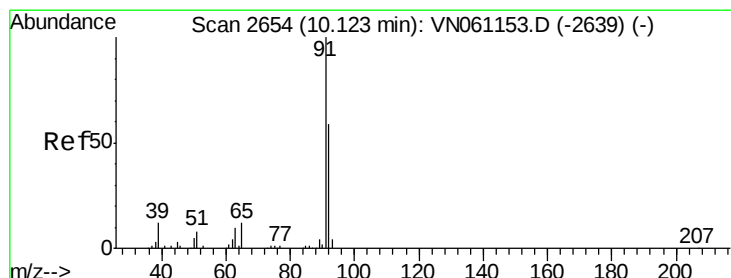
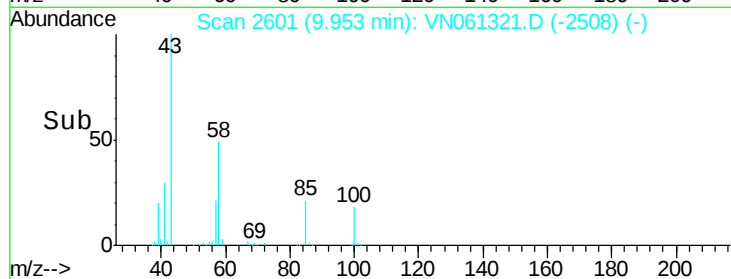
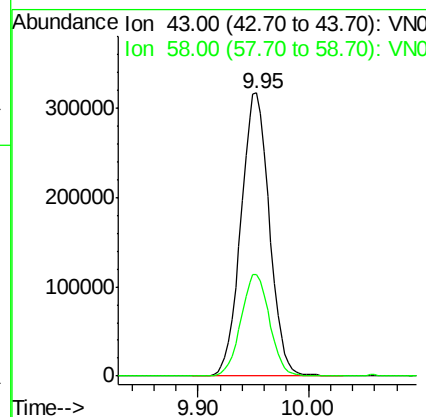
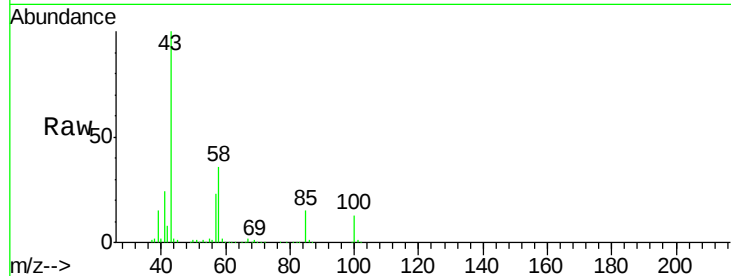
#51
4-Methyl-2-Pentanone
Concen: 273.548 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	565981
Ion Ratio	43	100	
Lower	58	36.2	29.1
Upper			43.7

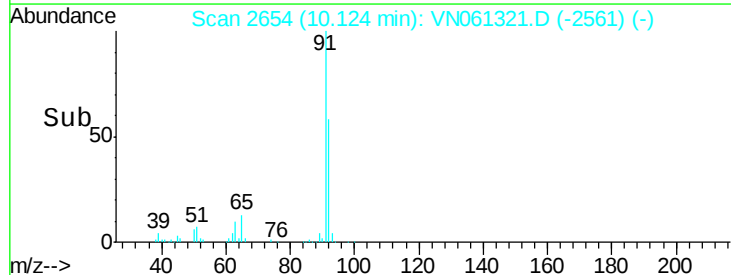
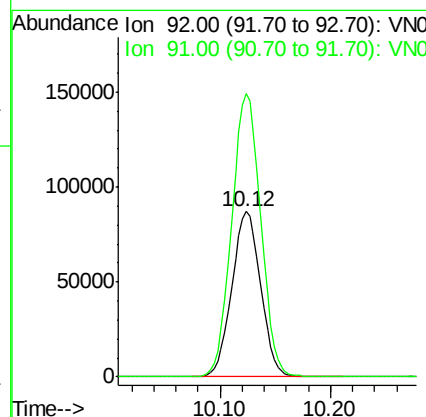
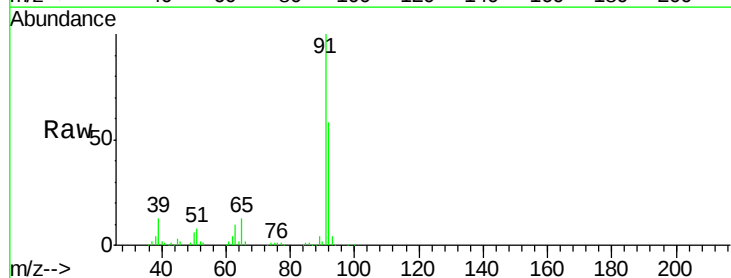
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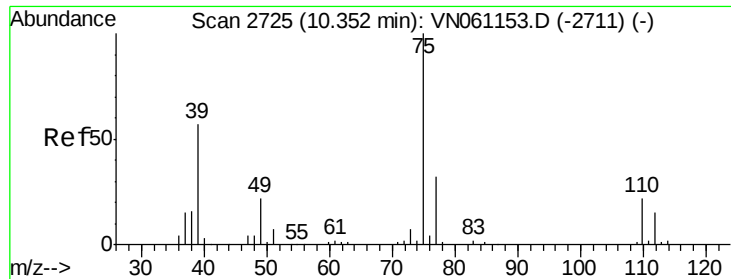
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#52
Toluene
Concen: 48.816 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	92	Resp	158265
Ion Ratio	92	100	
Lower	91	172.5	136.2
Upper			204.2





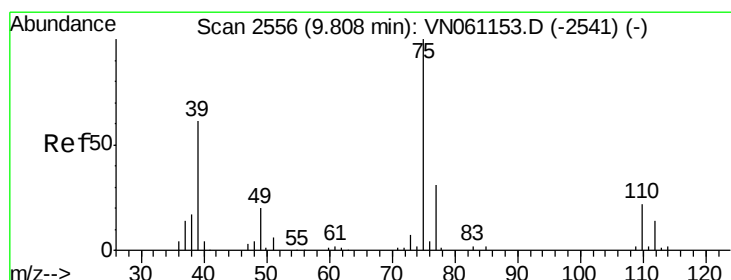
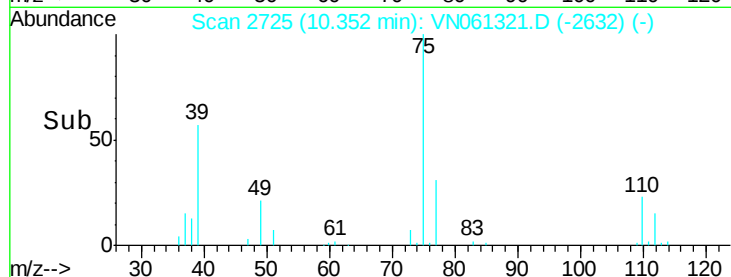
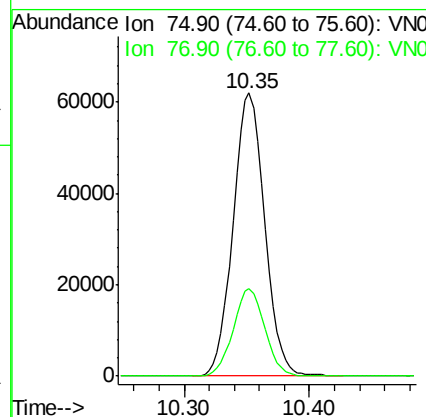
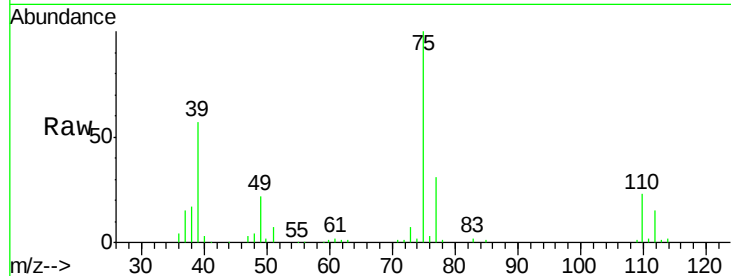
#53
t-1,3-Dichloropropene
Concen: 50.291 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 108294
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3

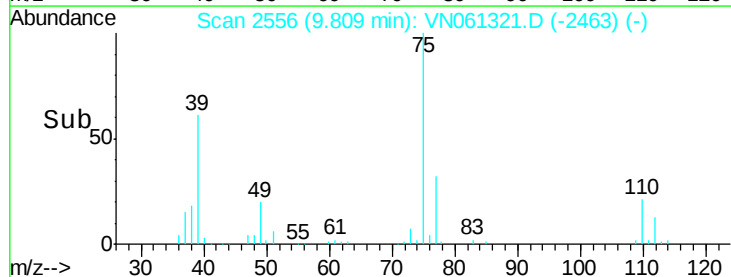
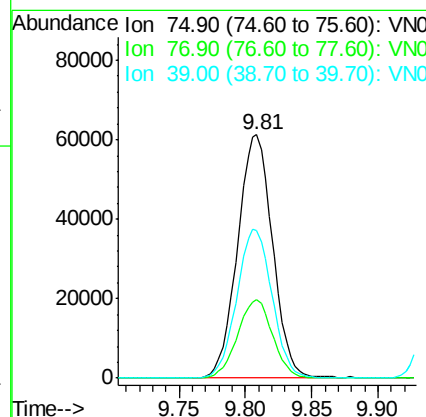
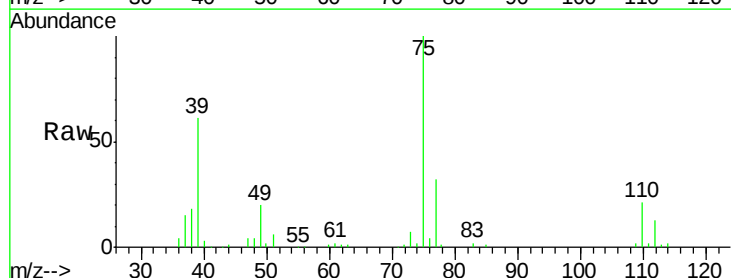
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#54
cis-1,3-Dichloropropene
Concen: 49.400 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 75 Resp: 112461
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4
39 60.5 48.7 73.1





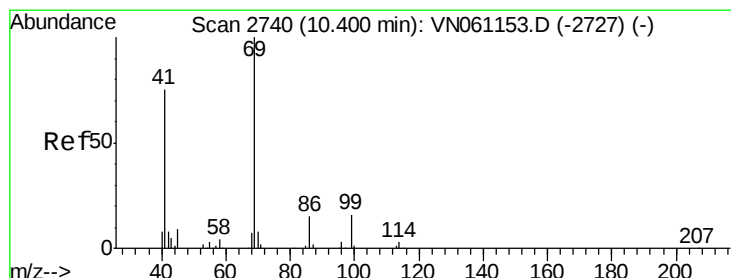
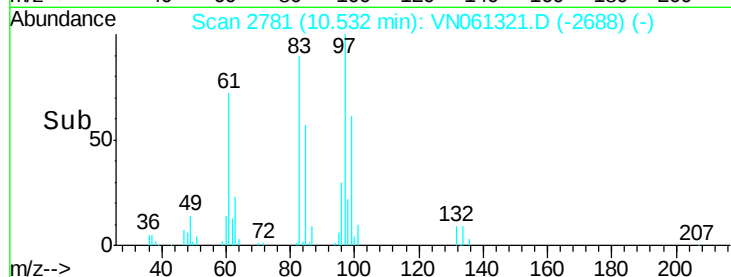
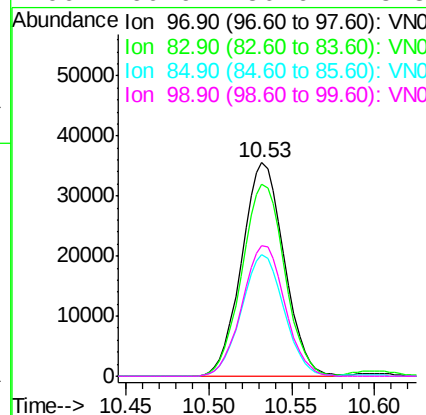
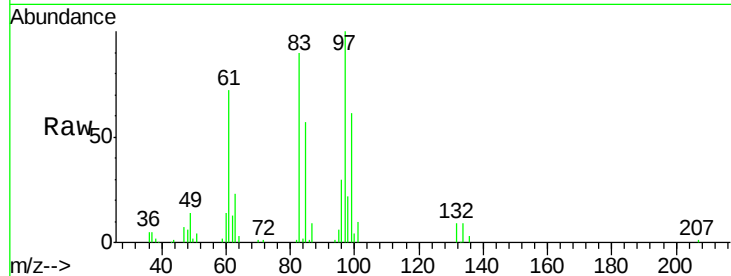
#55
 1,1,2-Trichloroethane
 Concen: 49.127 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion:	97	Resp:	63529
Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.6	106.0
85	56.8	46.4	69.6
99	60.9	50.6	75.8

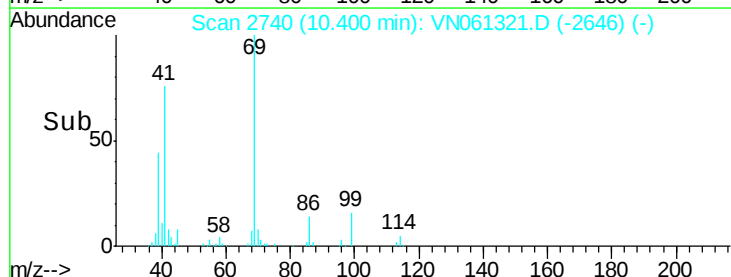
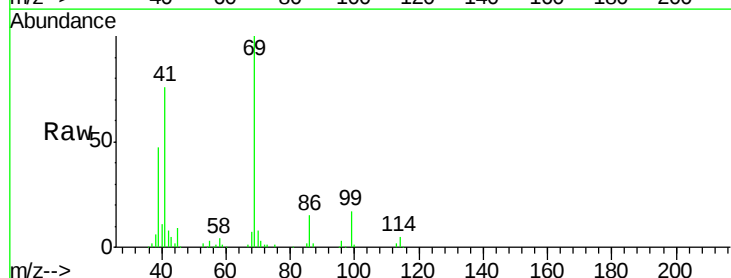
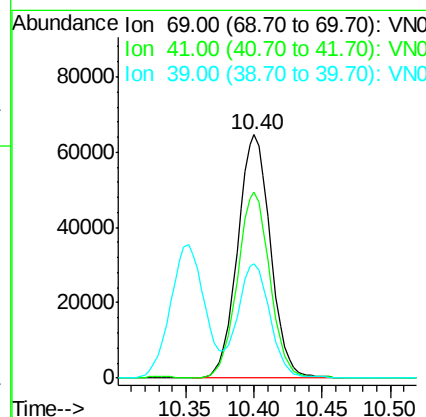
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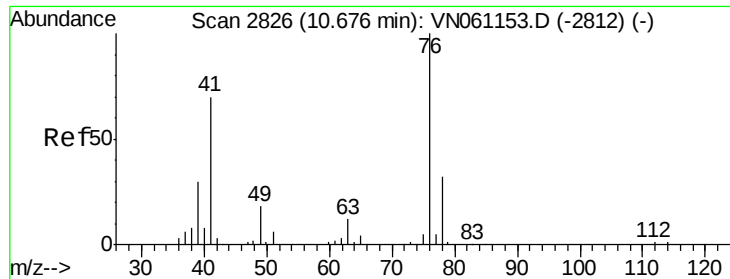
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#56
 Ethyl methacrylate
 Concen: 48.070 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion:	69	Resp:	108072
Ion	Ratio	Lower	Upper
69	100		
41	74.9	60.3	90.5
39	45.6	35.9	53.9





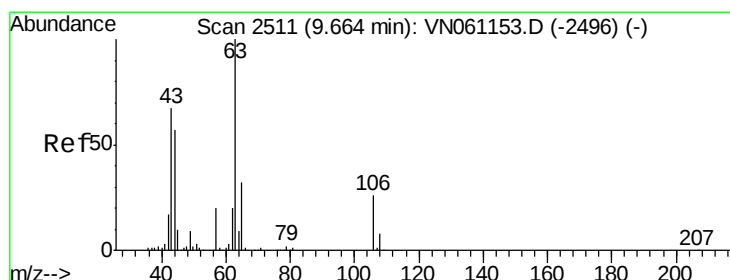
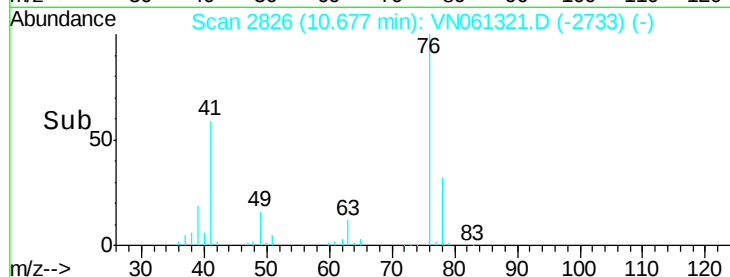
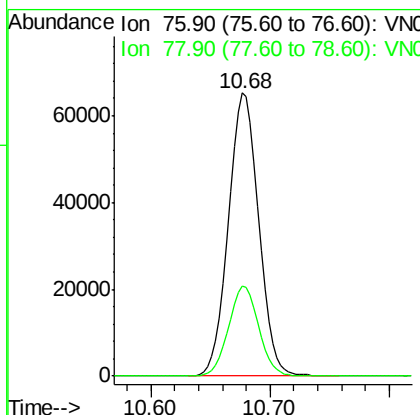
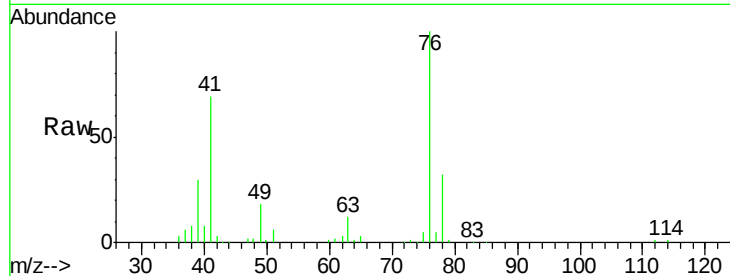
#57
 1,3-Dichloropropane
 Concen: 50.653 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

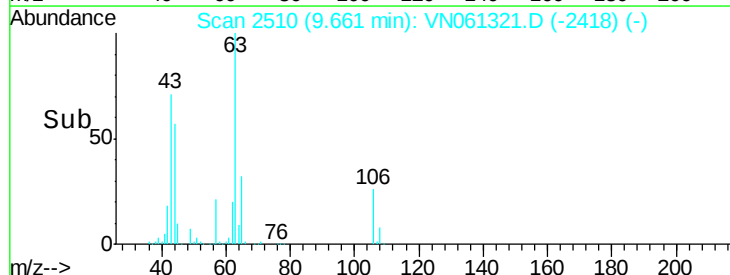
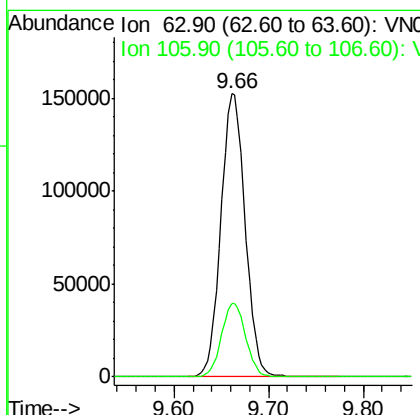
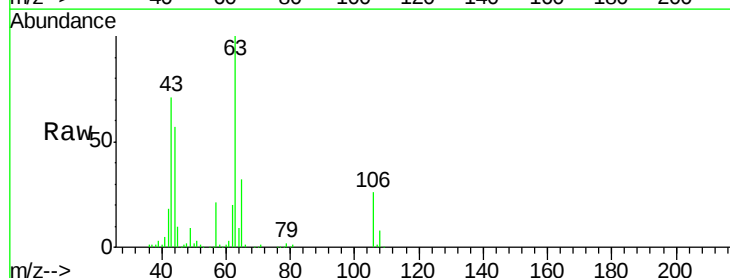
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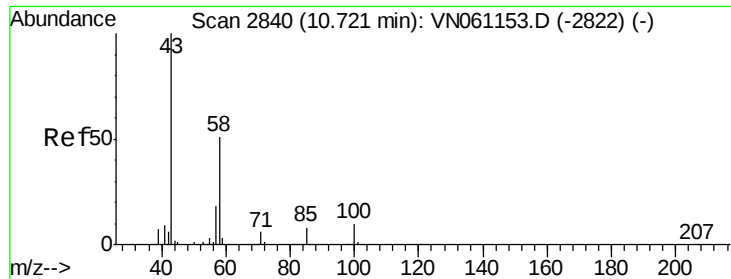
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#58
 2-Chloroethyl Vinyl ether
 Concen: 259.637 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	20.6	30.8





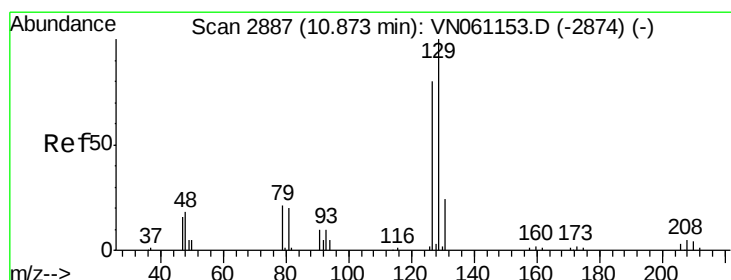
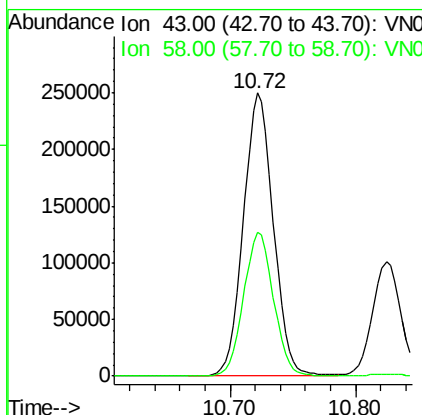
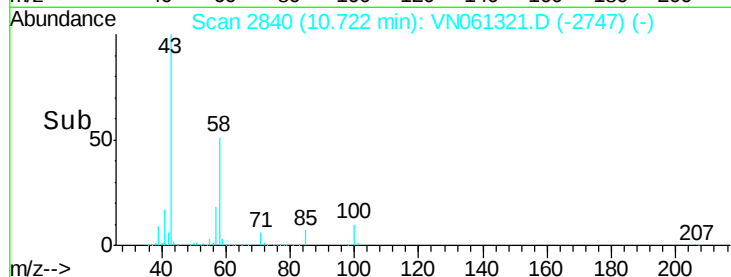
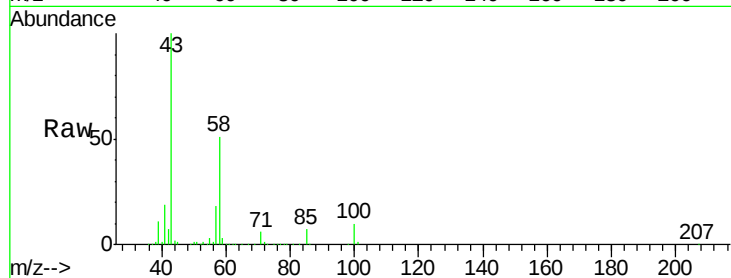
#59
2-Hexanone
Concen: 276.058 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 415541
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4

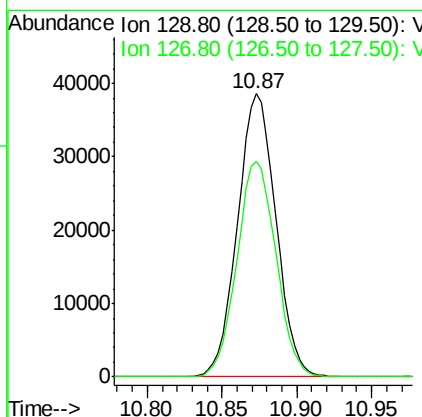
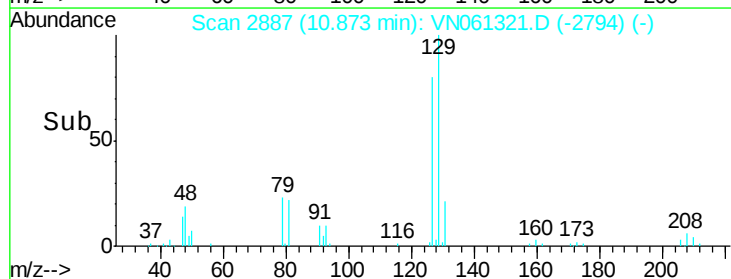
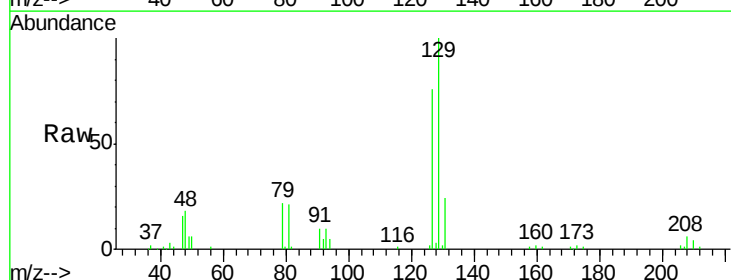
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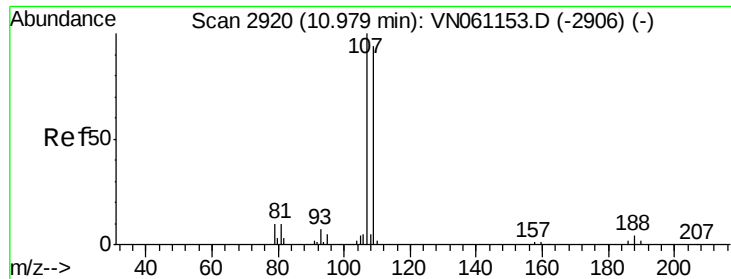
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#60
Dibromochloromethane
Concen: 50.912 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion: 129 Resp: 68954
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 50.749 ug/l

RT: 10.98 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 65777

Ion Ratio Lower Upper

107 100

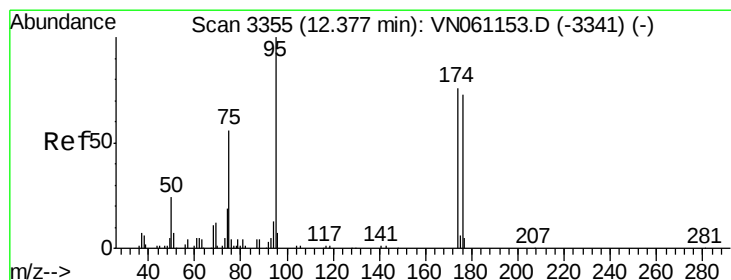
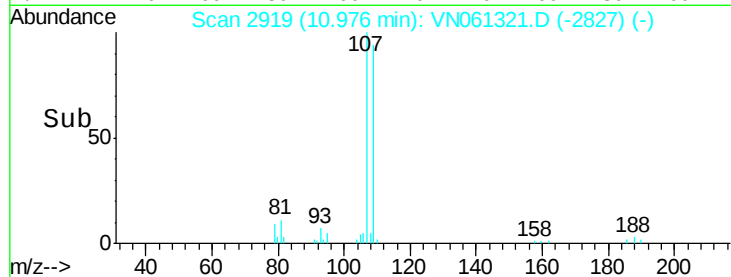
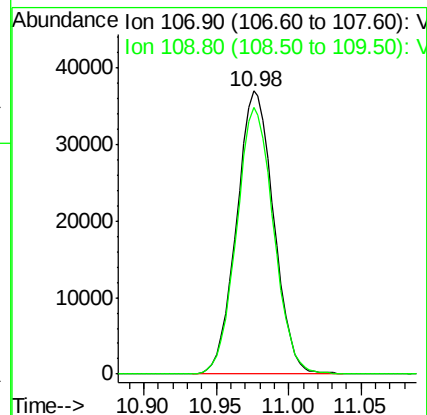
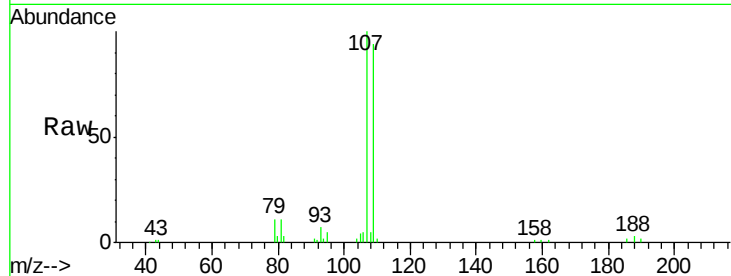
109 93.9 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 51.188 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

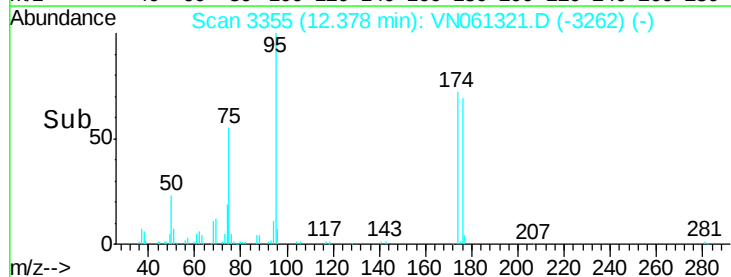
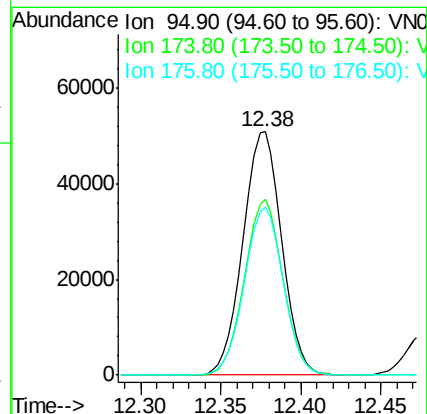
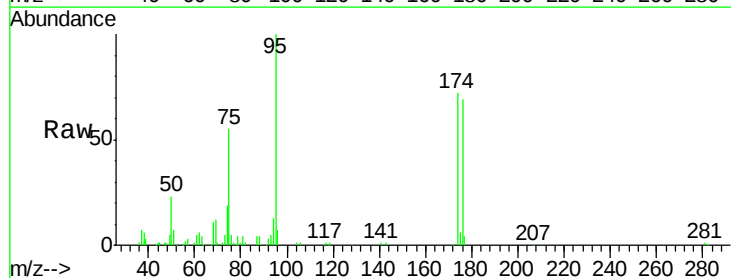
Tgt Ion: 95 Resp: 83803

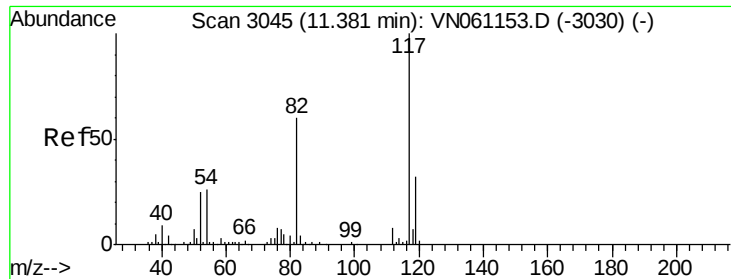
Ion Ratio Lower Upper

95 100

174 71.5 0.0 149.4

176 69.1 0.0 144.8





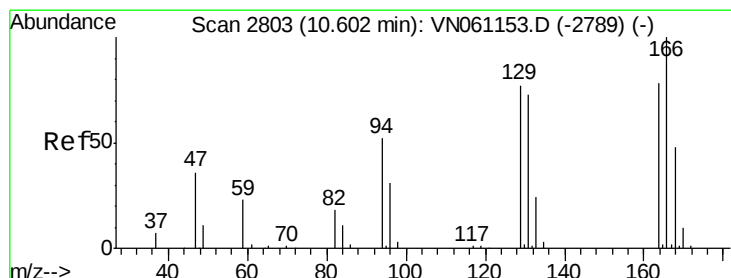
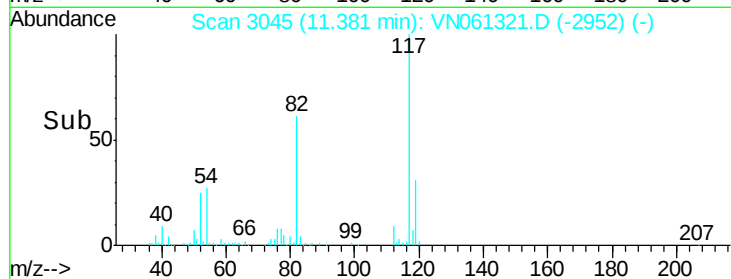
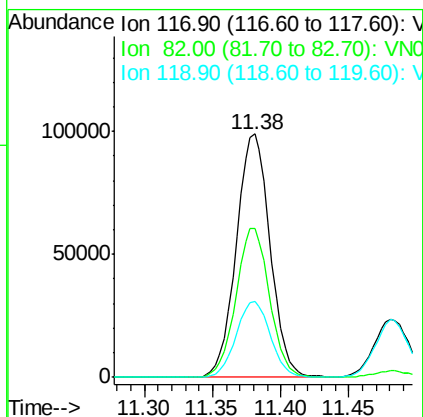
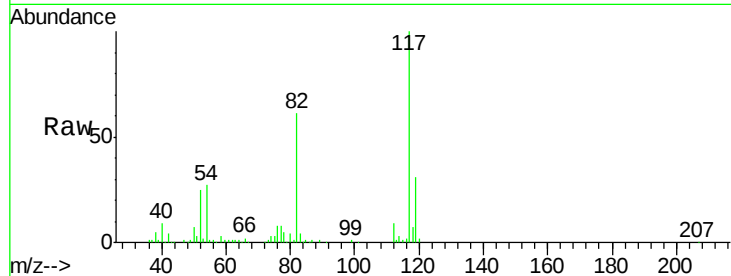
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	170189		
82	60.9	47.8	71.8	
119	31.3	25.8	38.6	

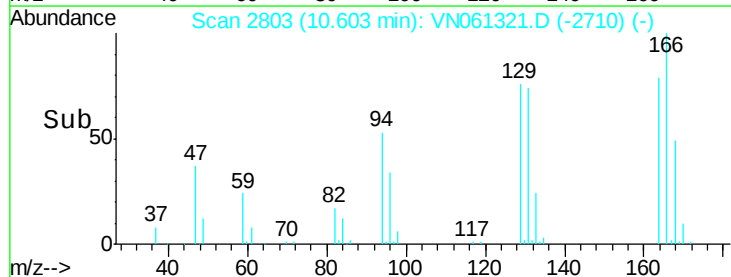
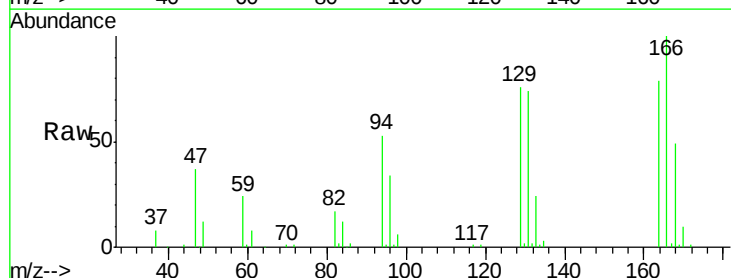
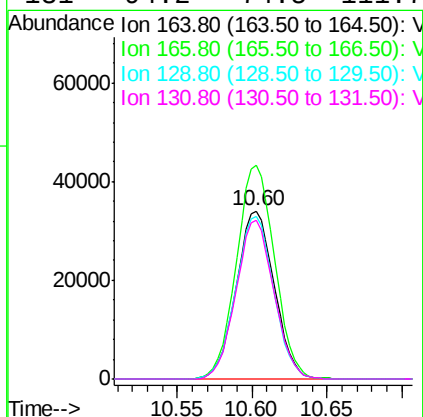
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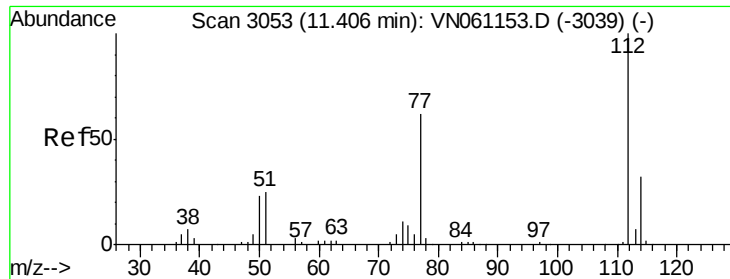
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#64
Tetrachloroethene
Concen: 40.989 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60419		
166	126.9	102.0	153.0	
129	96.6	78.2	117.2	
131	94.2	74.5	111.7	





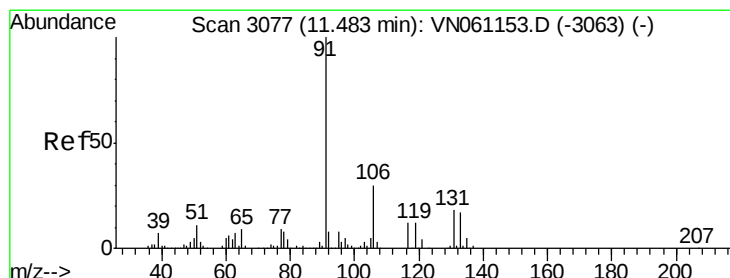
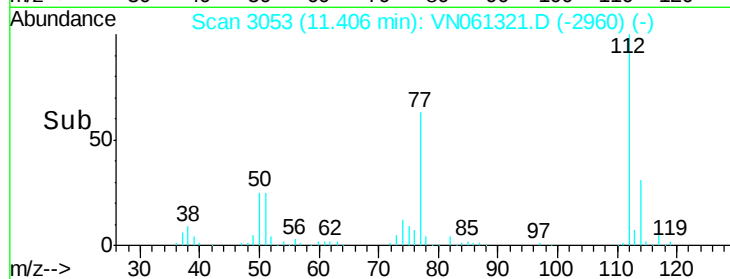
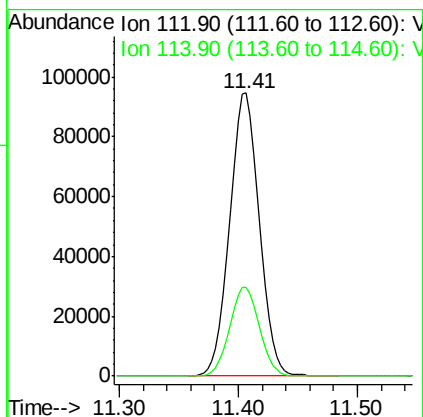
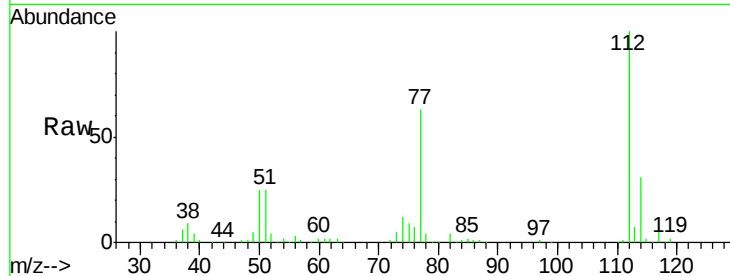
#65
Chlorobenzene
Concen: 48.358 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 163255
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

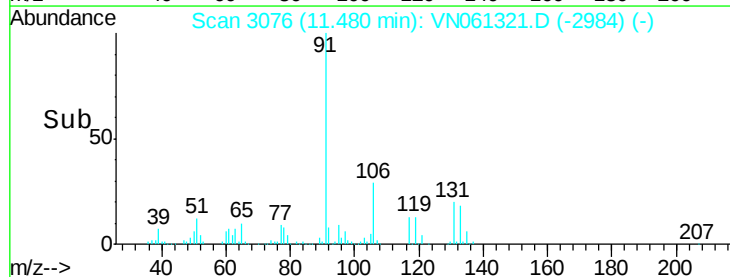
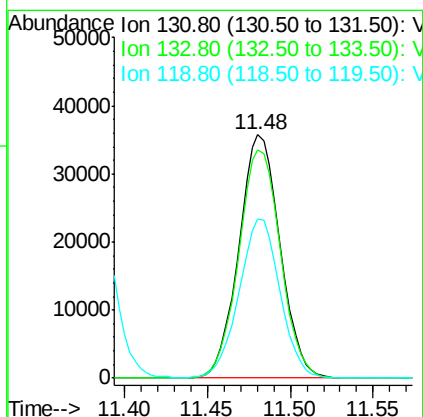
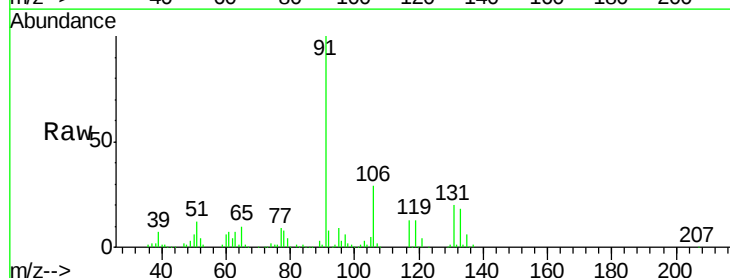
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.929 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion:131 Resp: 61537
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 65.1 32.6 97.8





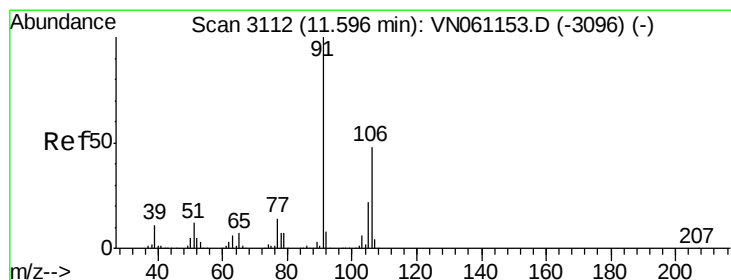
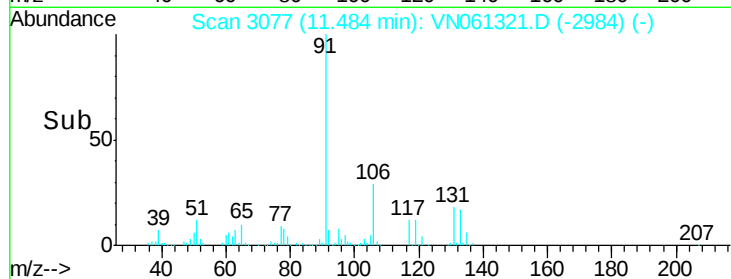
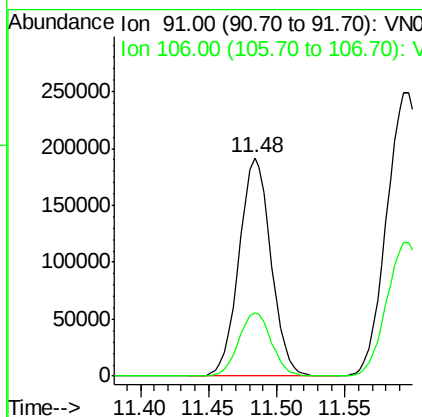
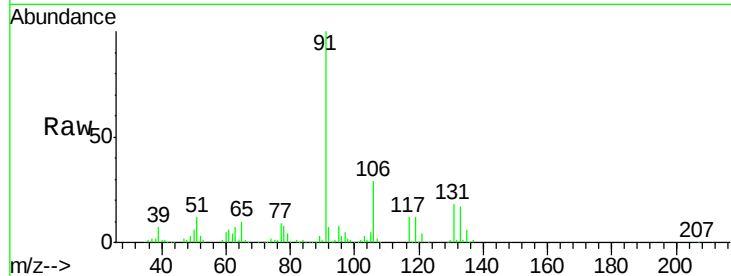
#67
Ethyl Benzene
Concen: 49.385 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	91	Resp	312102
Ion Ratio	100	Lower	Upper
106	29.1	23.8	35.6

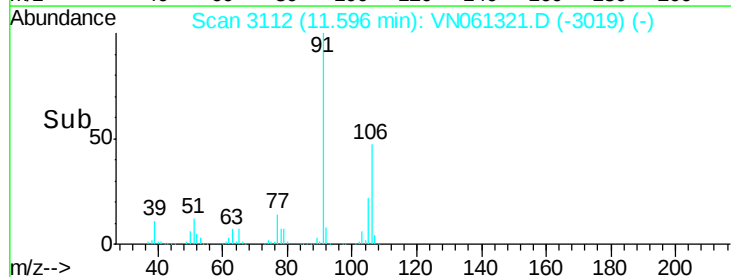
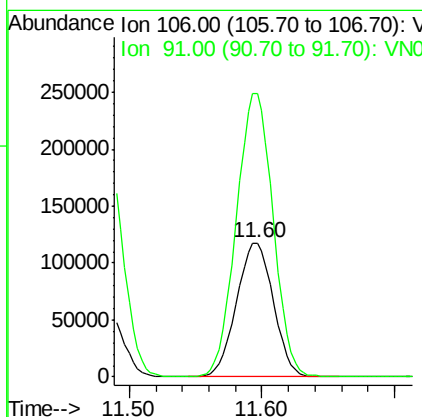
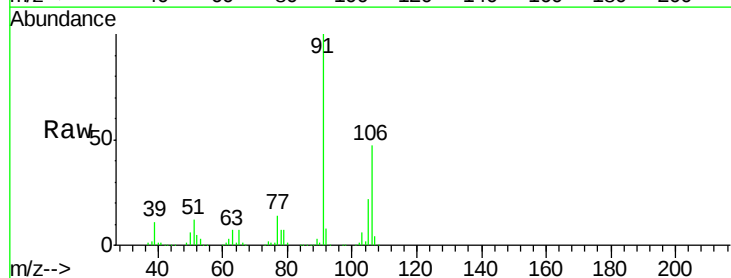
Manual Integrations
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#68
m/p-Xylenes
Concen: 98.250 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	106	Resp	227274
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	210.9	166.4	249.6





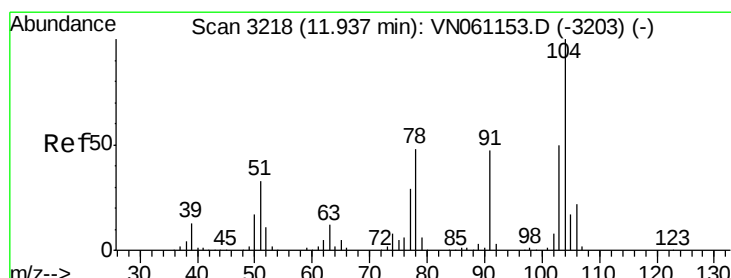
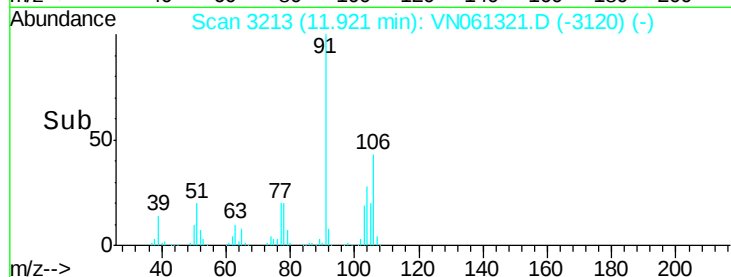
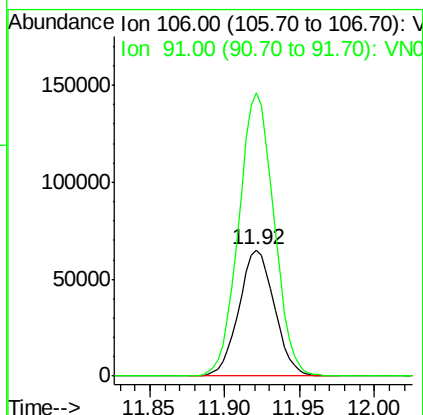
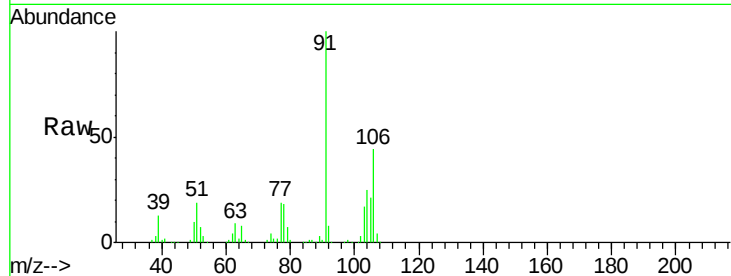
#69
o-Xylene
Concen: 48.447 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	223.2	109.7	329.0		

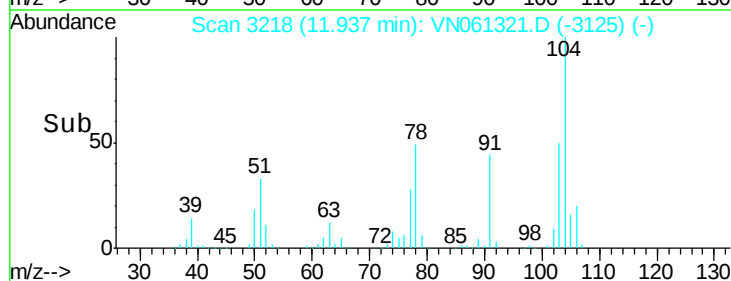
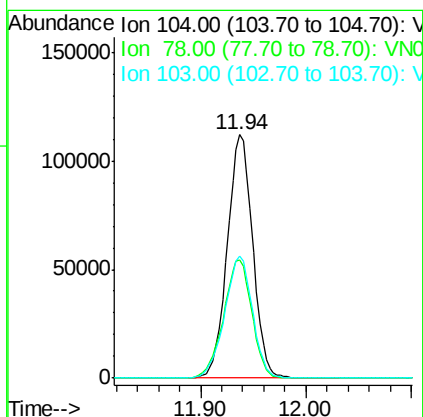
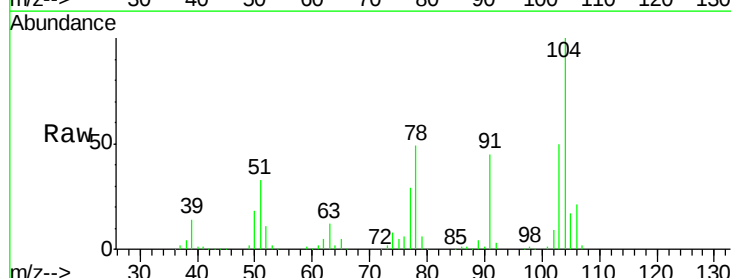
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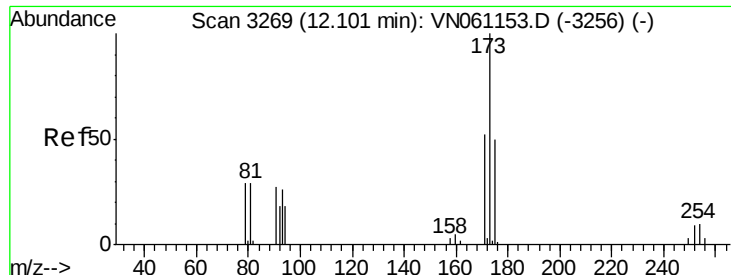
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#70
Styrene
Concen: 50.212 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.1	42.1	63.1		
103	54.6	43.3	64.9		





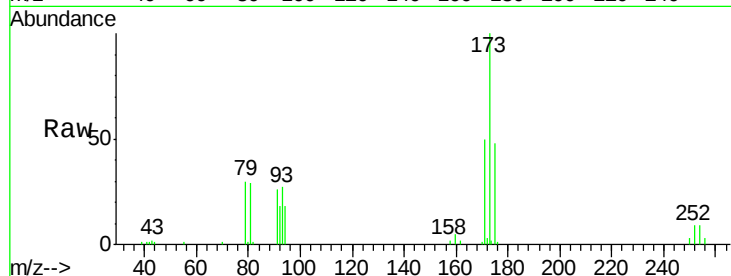
#71
Bromoform
Concen: 53.486 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

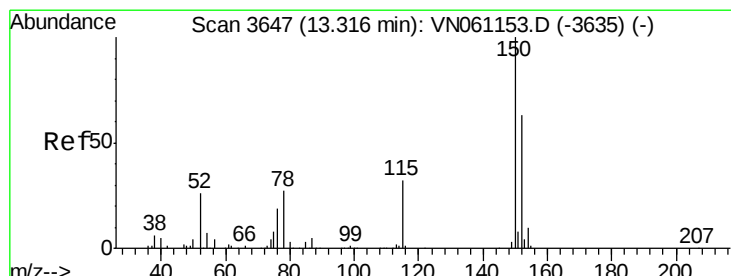
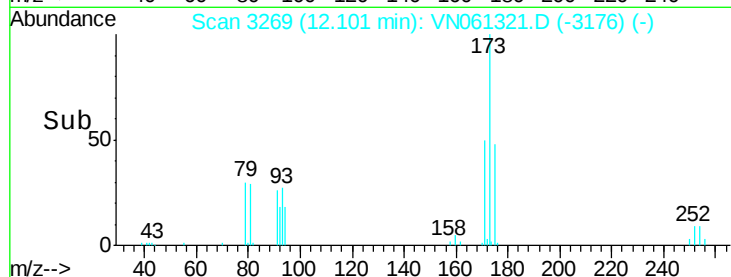
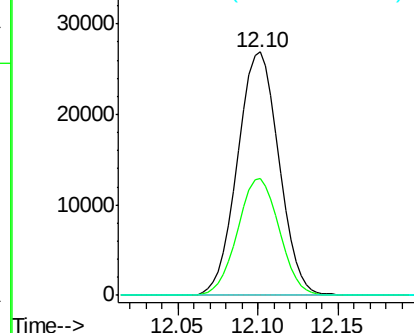
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.4
254	0.0	0.0	0.0

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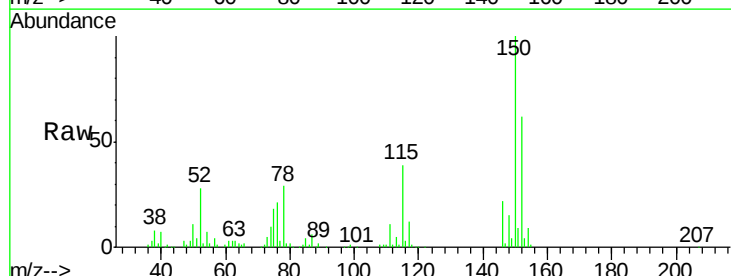


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

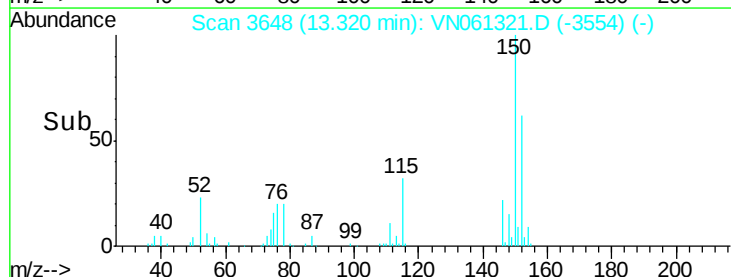
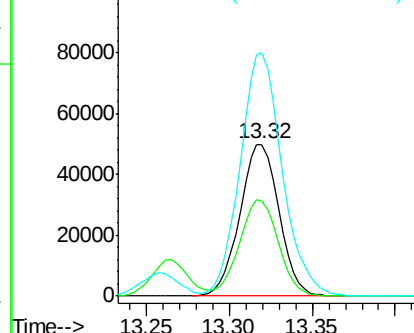


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.0	93.0
150	172.8	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





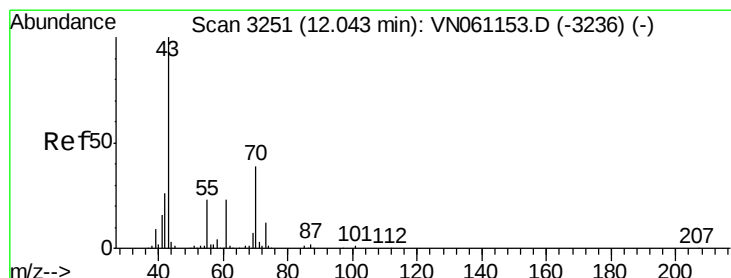
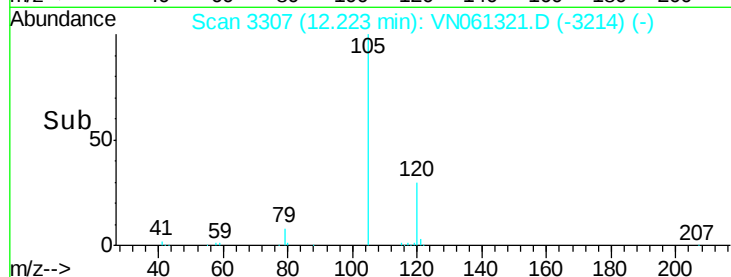
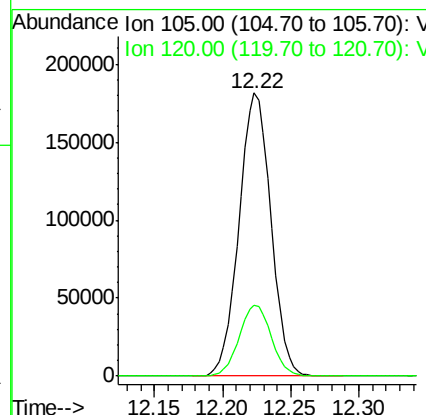
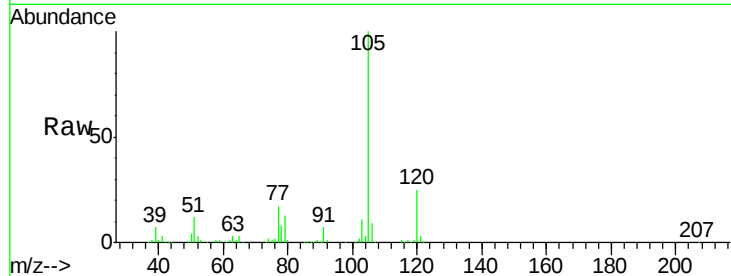
#73
Isopropylbenzene
Concen: 48.889 ug/l
RT: 12.22 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	293894		
120	25.3	12.6	37.8	

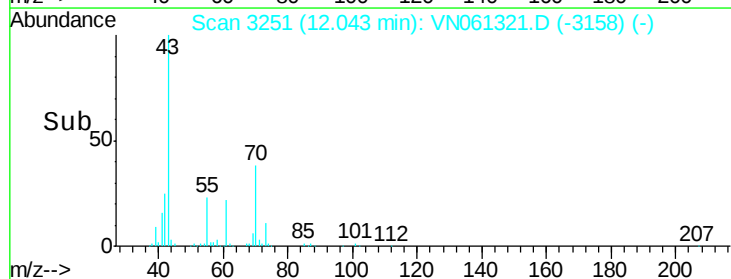
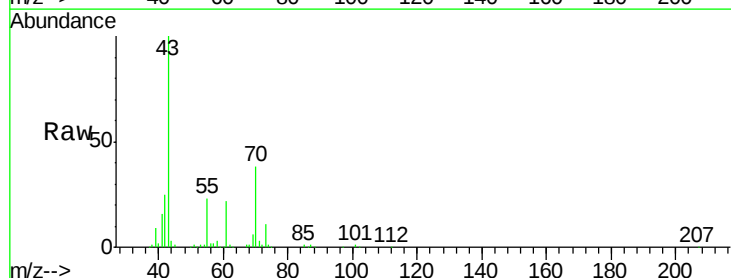
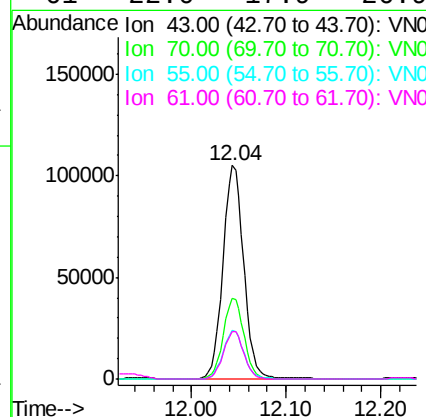
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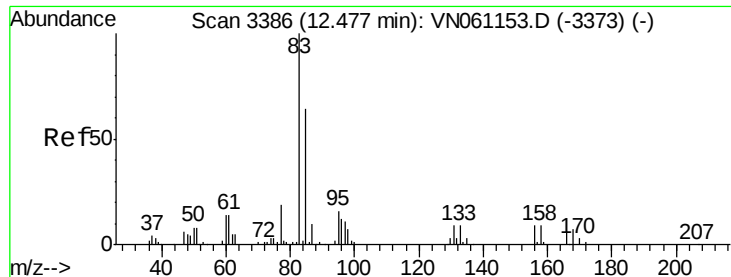
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#74
N-ethyl acetate
Concen: 52.975 ug/l
RT: 12.04 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	161260		
70	37.4	30.6	46.0	
55	22.8	18.5	27.7	
61	22.0	17.9	26.9	





#75

1,1,2,2-Tetrachloroethane

Concen: 50.905 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

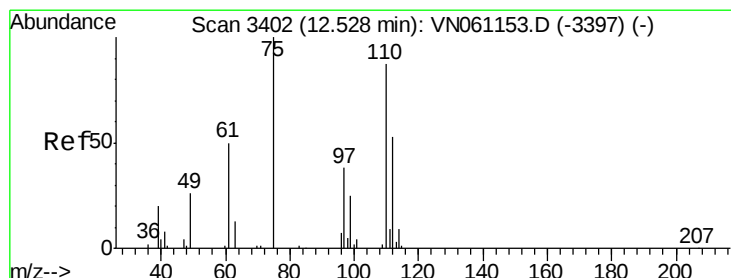
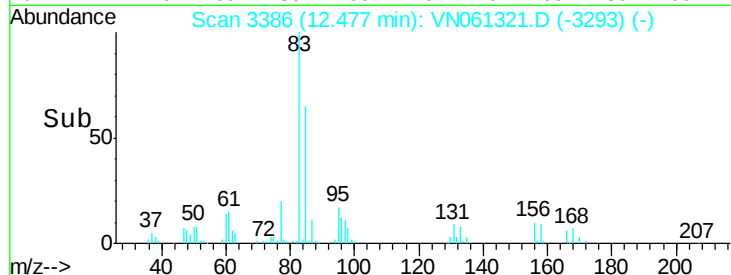
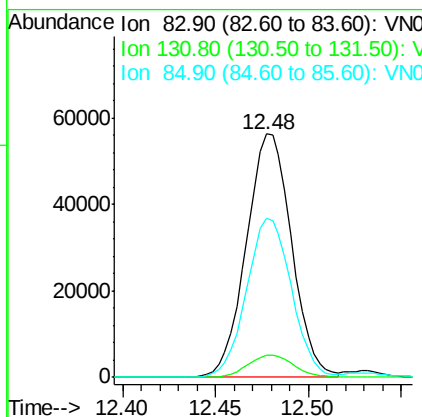
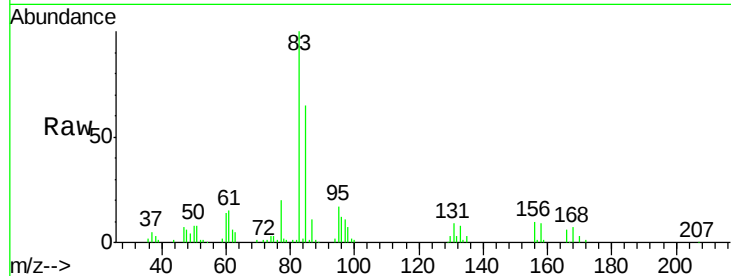
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	95418
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	64.8	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 49.856 ug/l m

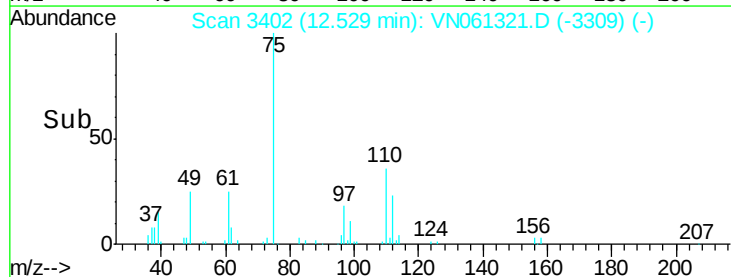
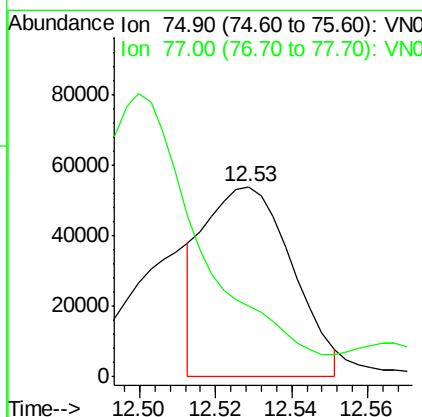
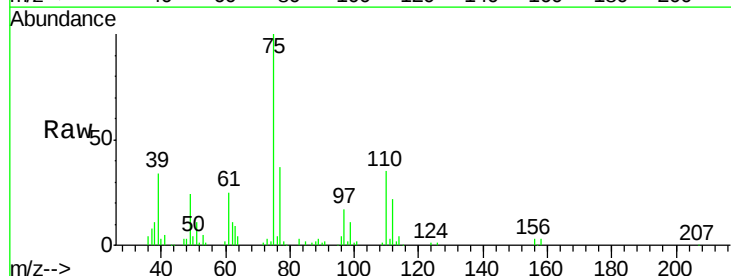
RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Tgt Ion:	75	Resp:	85951
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.169 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:156 Resp: 66845

Ion Ratio Lower Upper

156 100

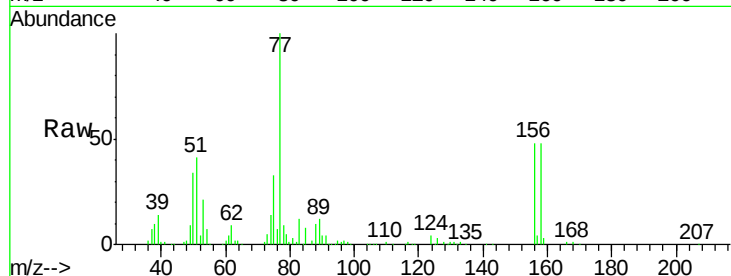
77 246.7 117.4 352.2

158 98.7 48.4 145.0

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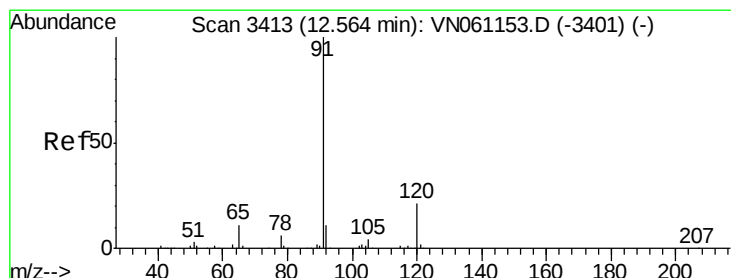
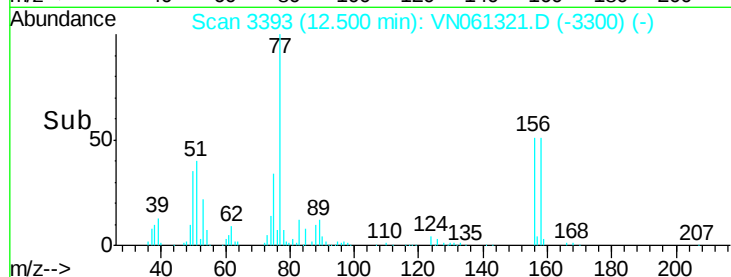
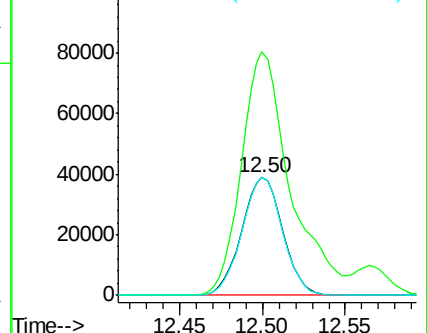
5/7/2020 10:36:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.320 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061321.D

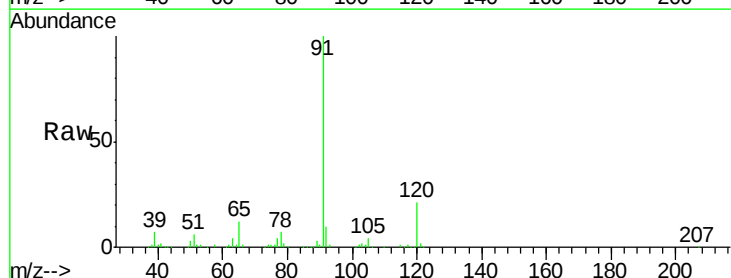
Acq: 6 May 2020 19:41

Tgt Ion: 91 Resp: 344536

Ion Ratio Lower Upper

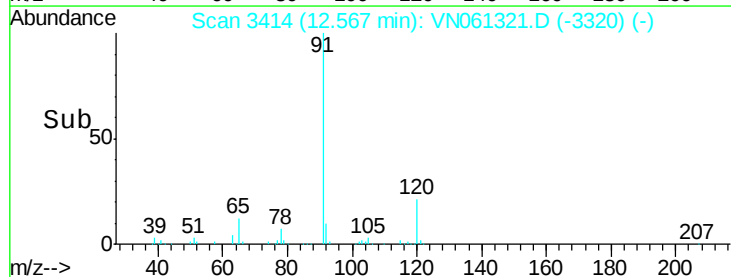
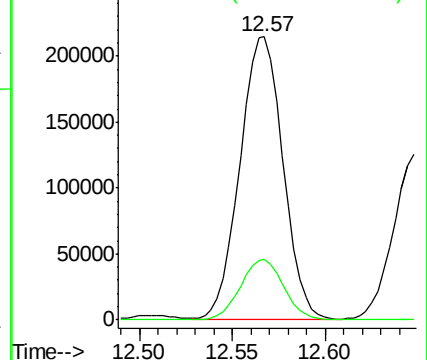
91 100

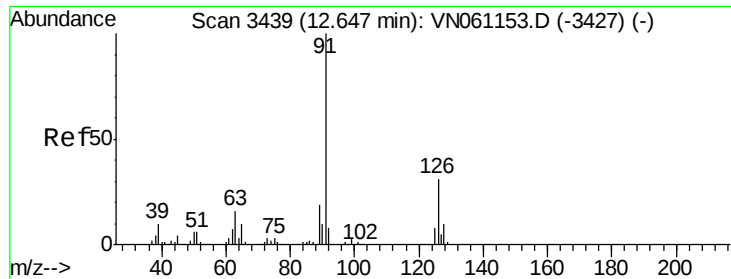
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





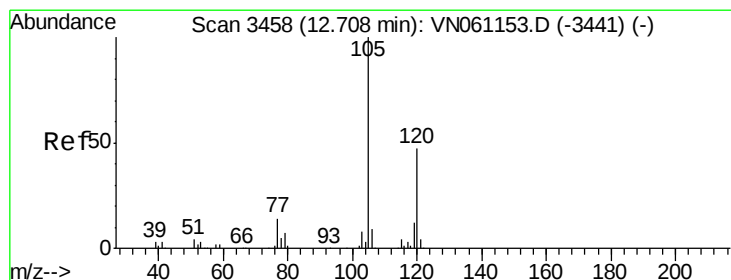
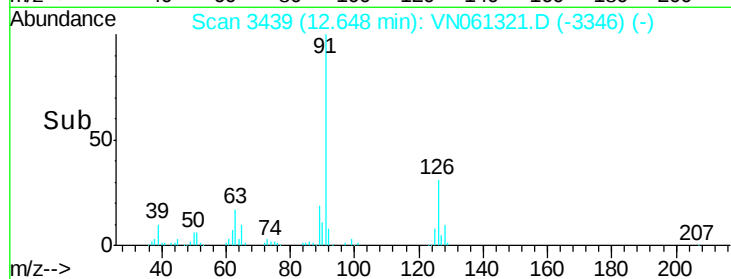
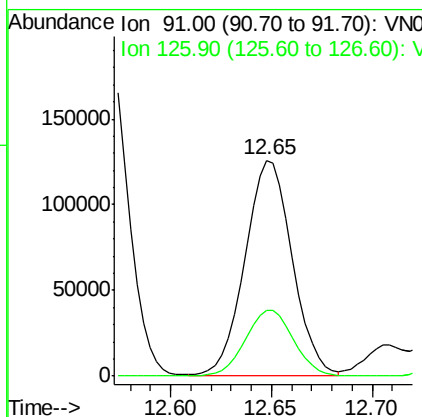
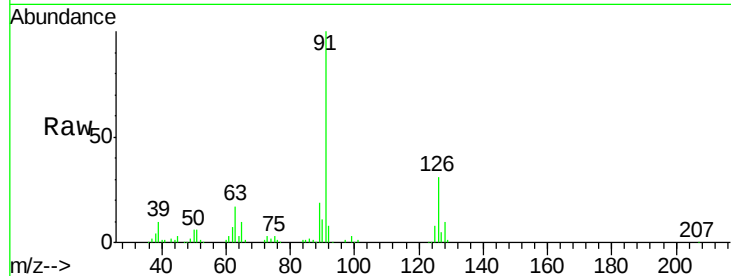
#79
 2-Chlorotoluene
 Concen: 48.927 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 205054
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.9 47.7

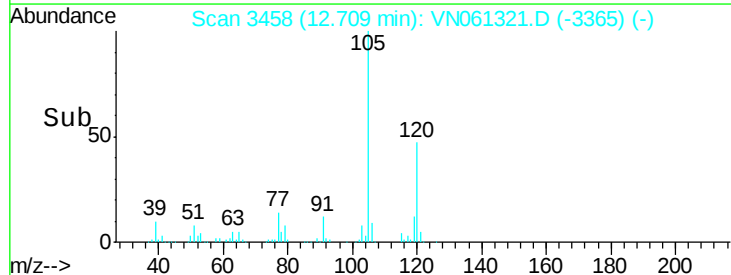
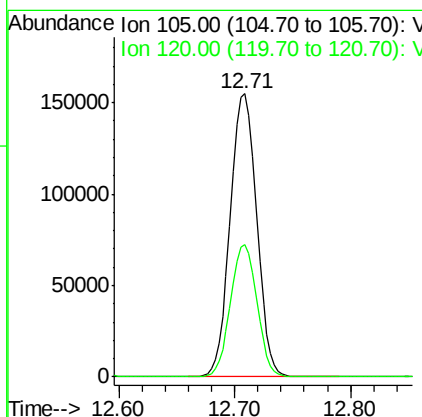
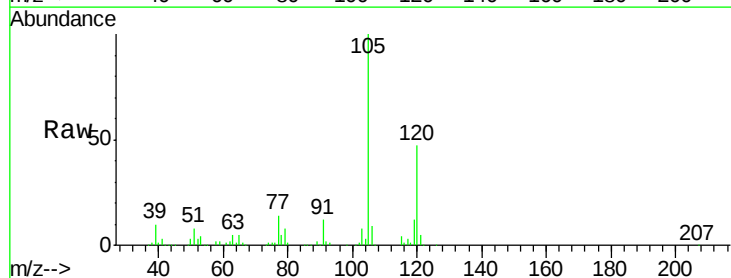
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.370 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion: 105 Resp: 245637
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 52.496 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 35638

Ion Ratio Lower Upper

75 100

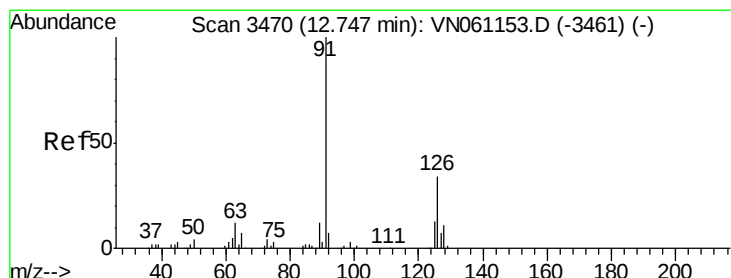
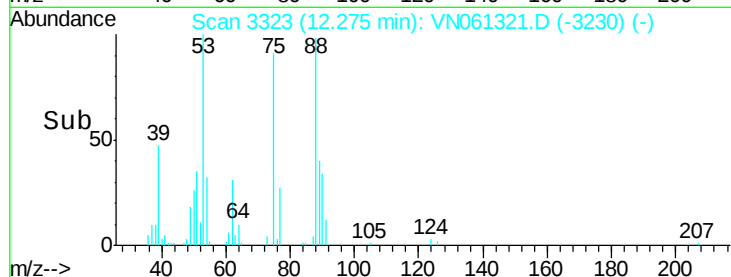
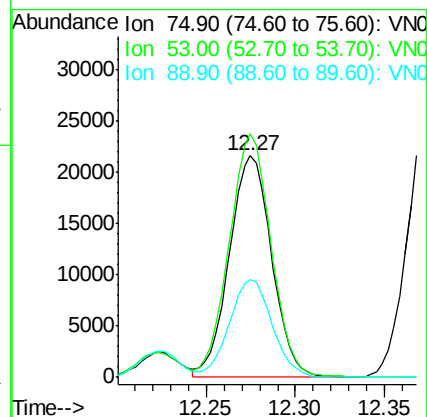
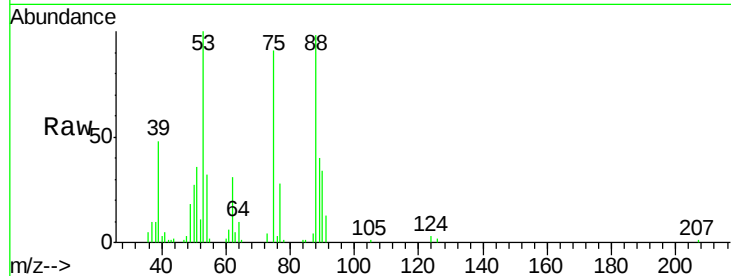
53 108.9 84.1 126.1

89 44.4 35.2 52.8

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#82

4-Chlorotoluene

Concen: 49.619 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061321.D

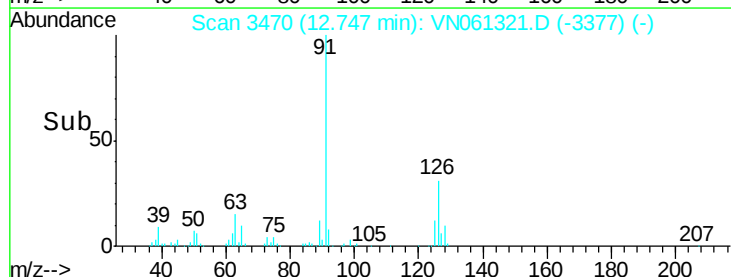
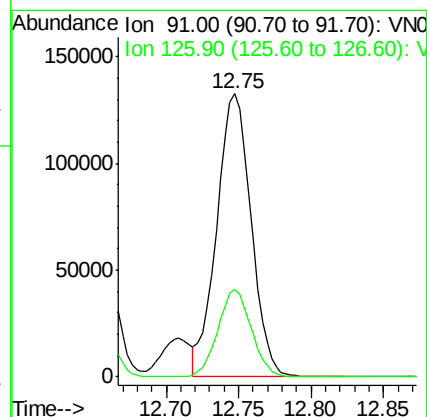
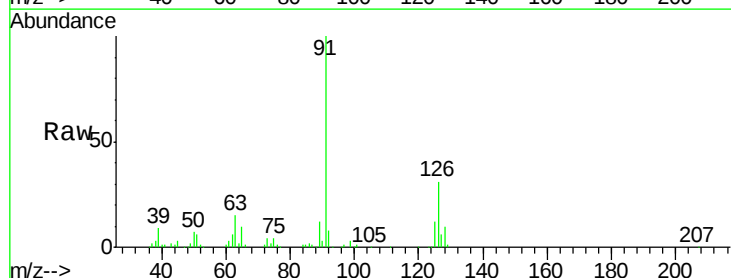
Acq: 6 May 2020 19:41

Tgt Ion: 91 Resp: 219174

Ion Ratio Lower Upper

91 100

126 30.0 15.7 47.1





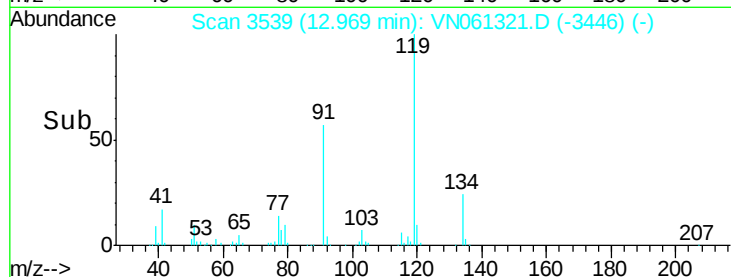
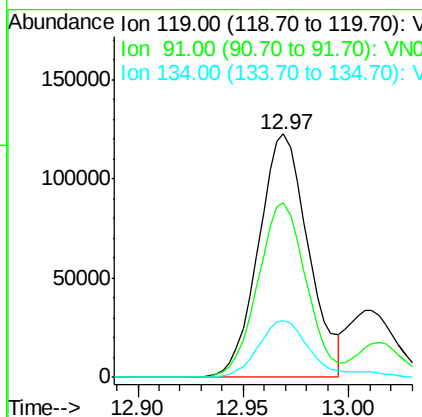
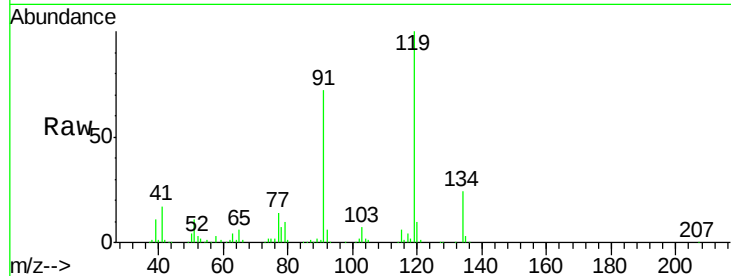
#83
tert-Butylbenzene
Concen: 48.116 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201862		
91	70.3	34.8	104.4	
134	25.1	12.9	38.7	

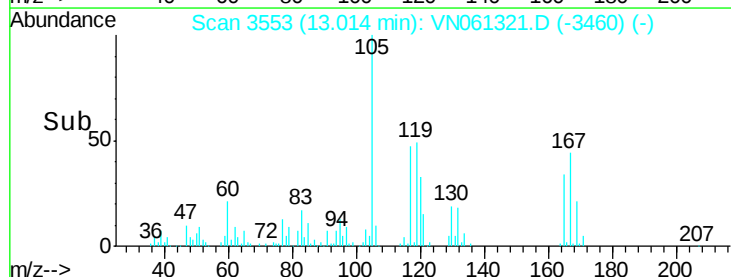
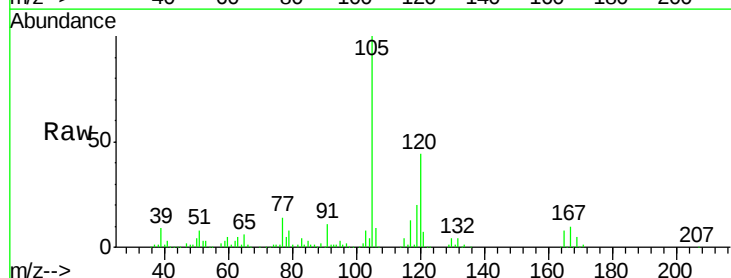
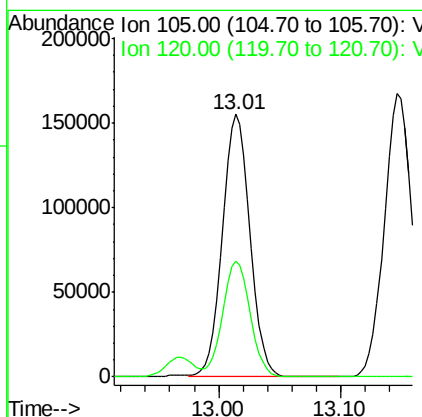
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#84
1,2,4-Trimethylbenzene
Concen: 48.184 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246994		
120	44.2	22.2	66.6	





#85

sec-Butylbenzene

Concen: 46.711 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 267177

Ion Ratio Lower Upper

105 100

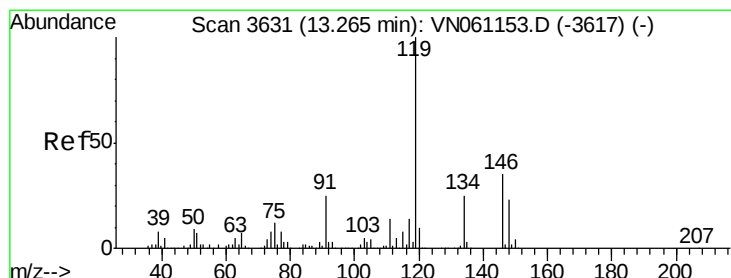
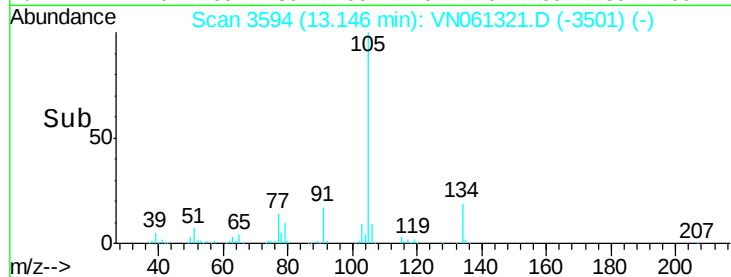
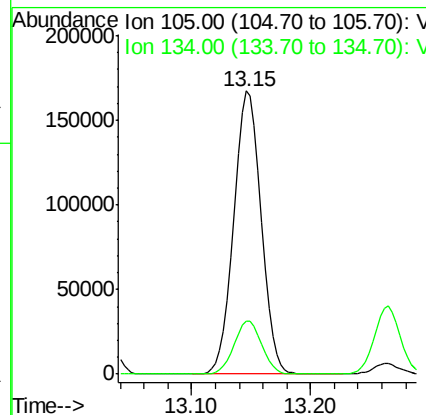
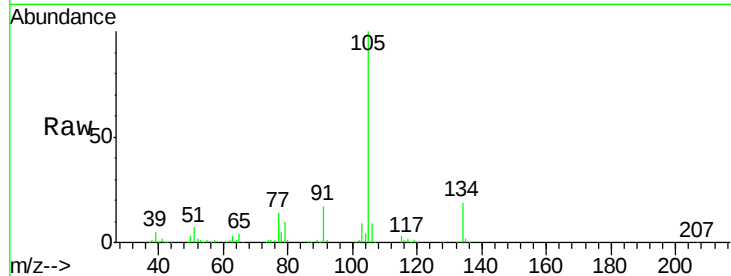
134 18.8 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 46.587 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

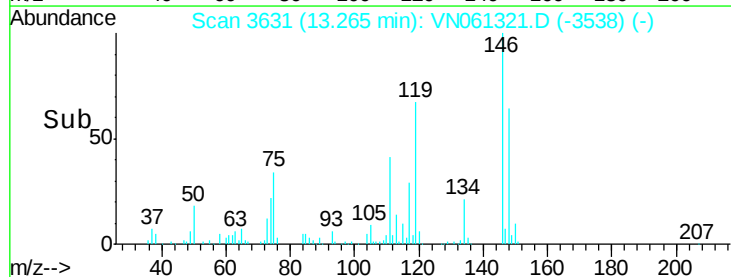
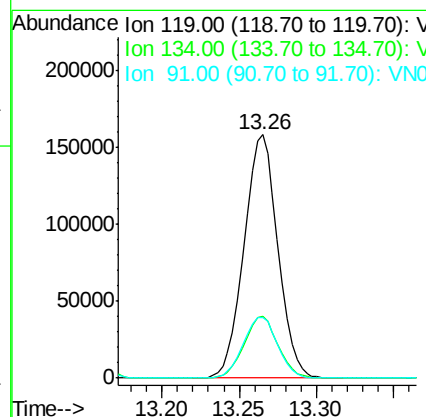
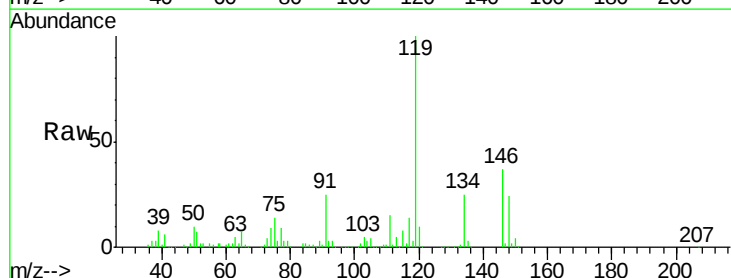
Tgt Ion:119 Resp: 240086

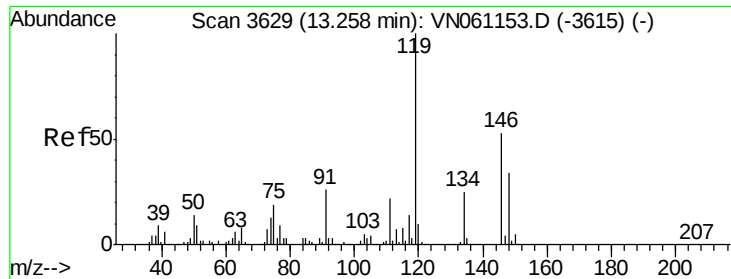
Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.6

91 25.6 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 48.155 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

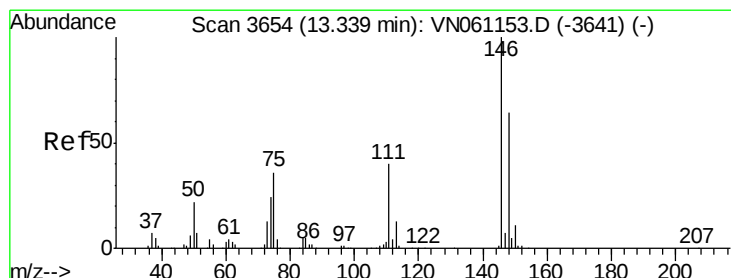
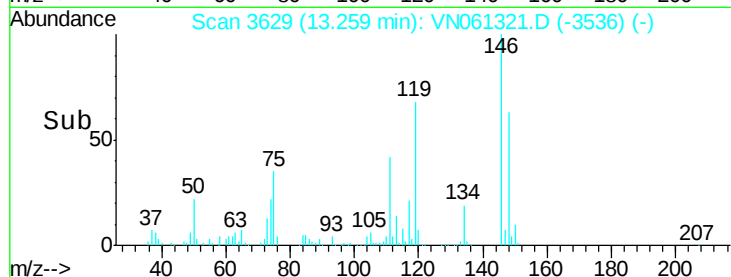
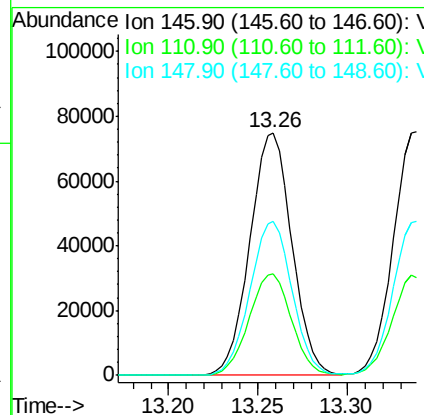
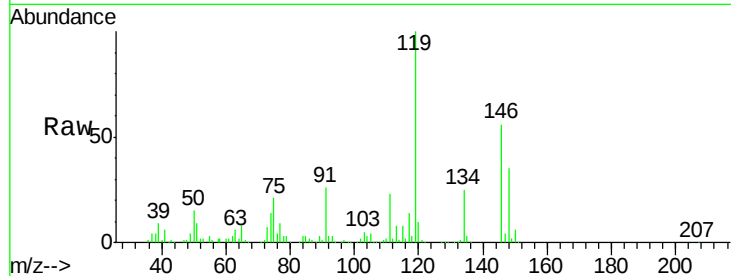
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	123020
Ion Ratio	Lower	Upper	
146	100		
111	42.3	20.7	62.1
148	63.6	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 47.469 ug/l

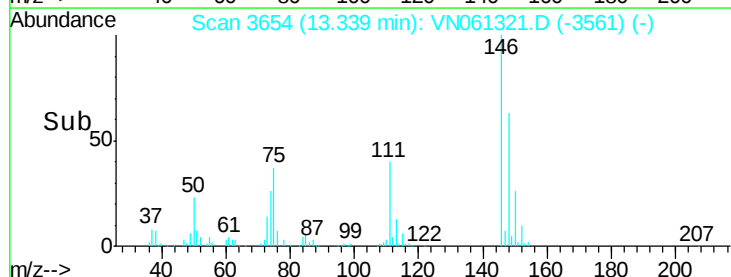
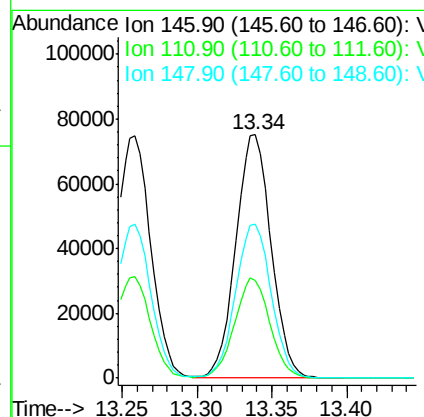
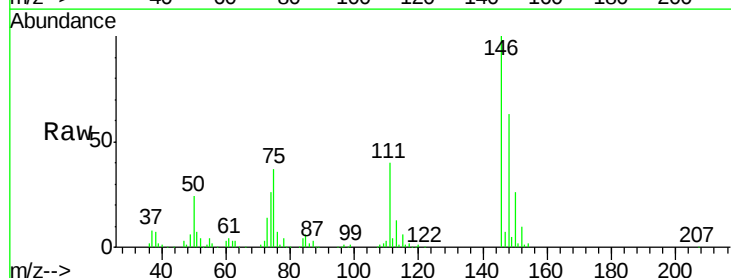
RT: 13.34 min Scan# 3654

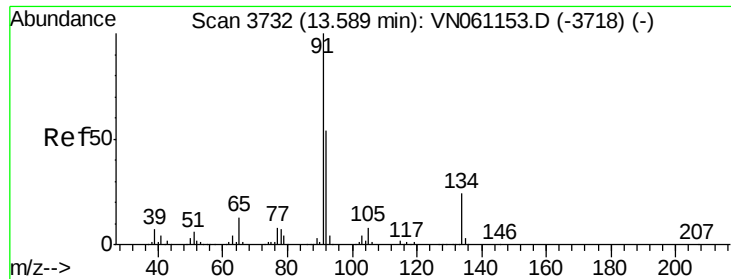
Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Tgt Ion:	146	Resp:	123905
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.4	61.3
148	64.1	31.9	95.7





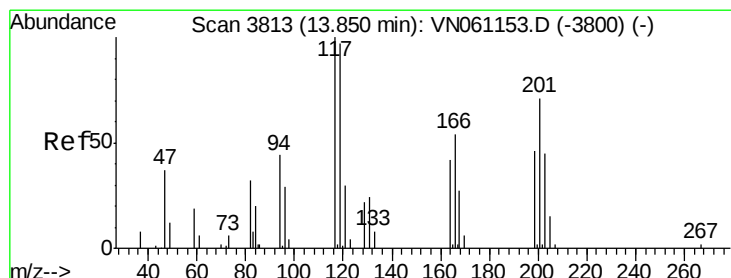
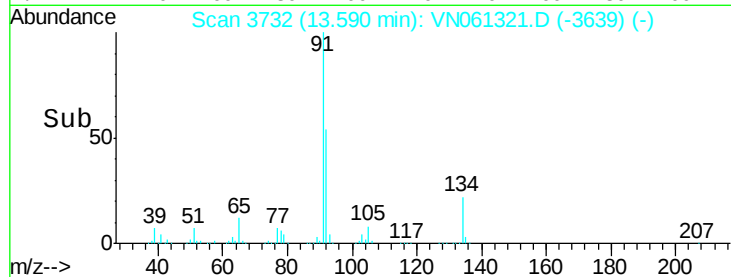
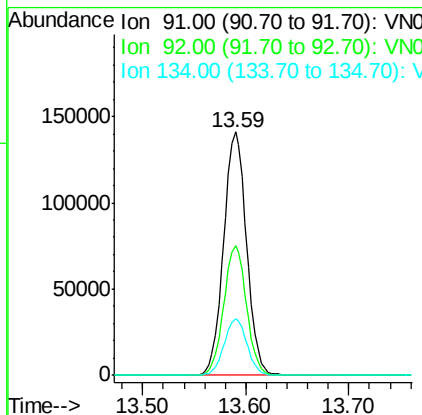
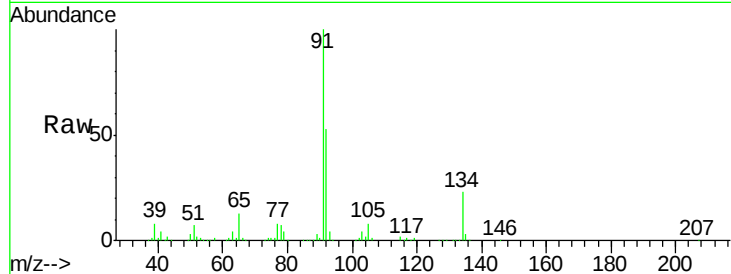
#89
n-Butylbenzene
Concen: 46.251 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	26.8	80.3	
134	23.3	11.9	35.5	

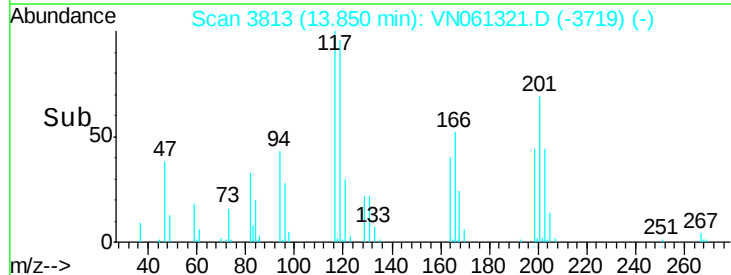
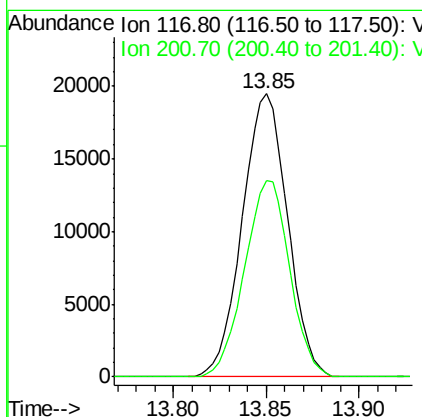
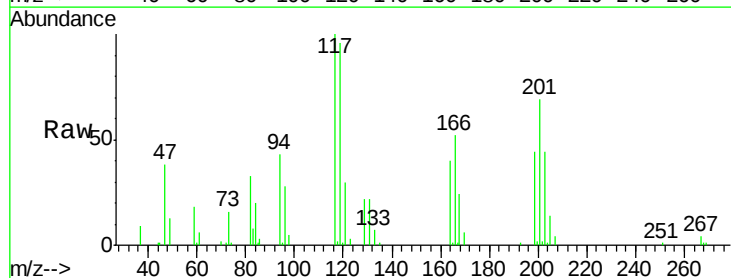
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#90
Hexachloroethane
Concen: 59.649 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061321.D
Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	69.2	35.5	106.7	





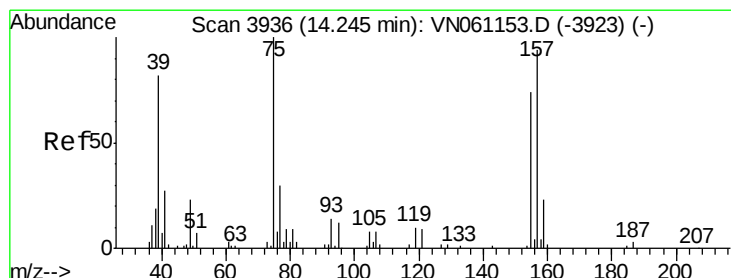
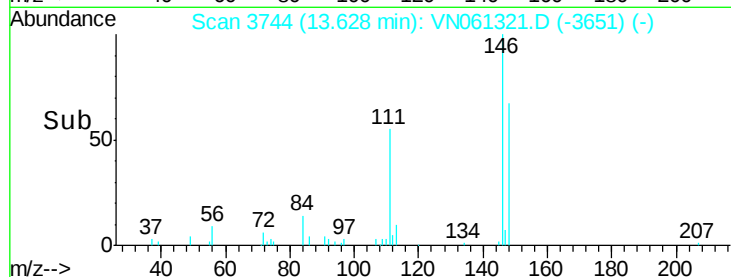
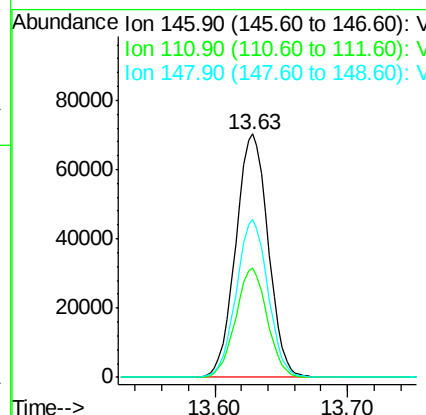
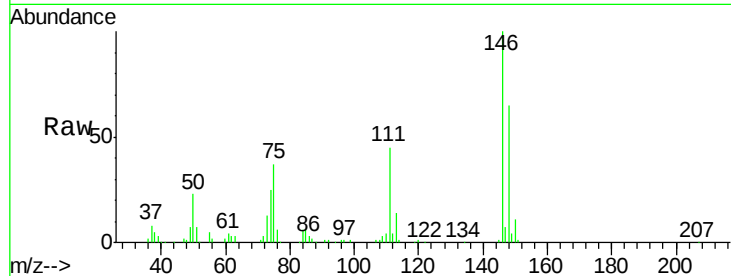
#91
 1,2-Dichlorobenzene
 Concen: 48.754 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.5	31.6	95.0

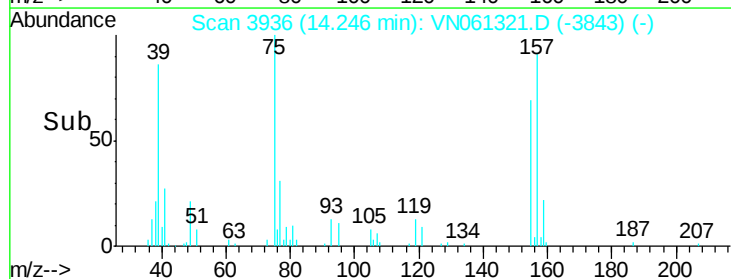
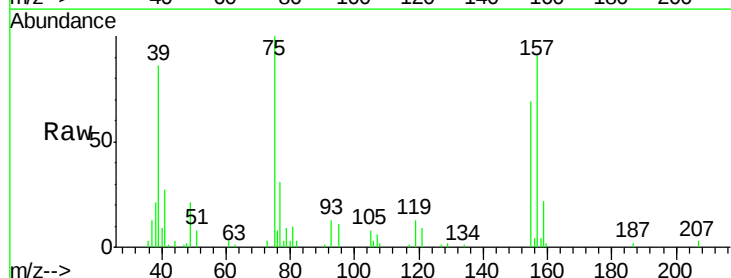
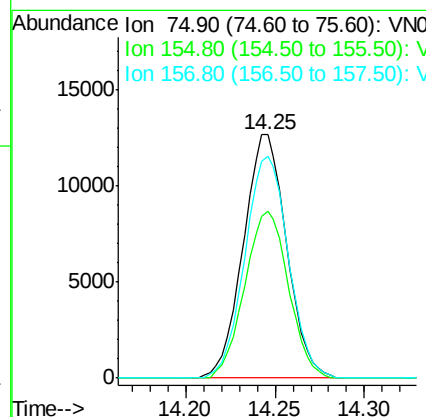
Manual Integrations
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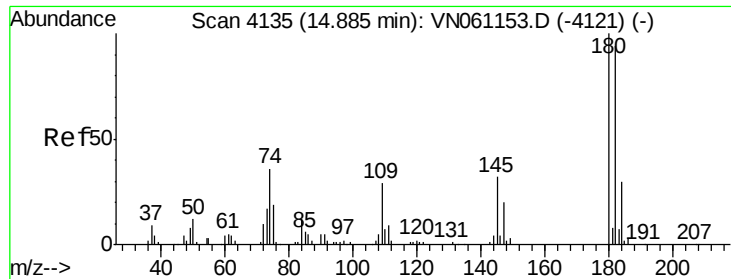
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.092 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	36.5	109.7
157	91.7	46.6	139.7





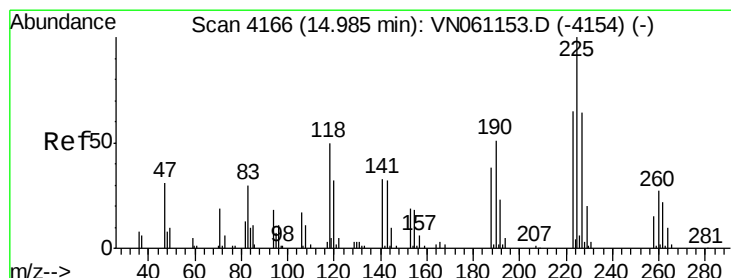
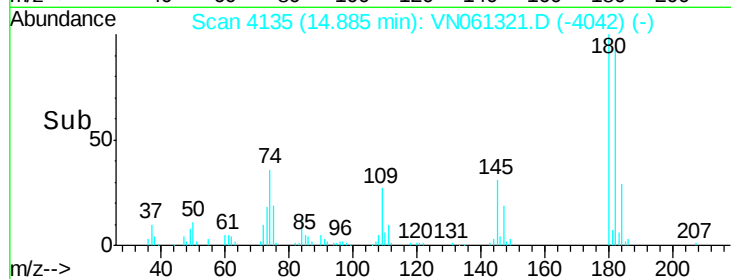
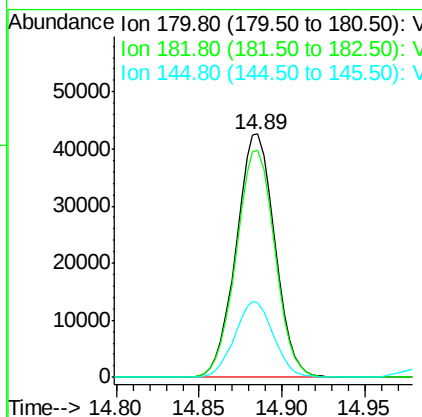
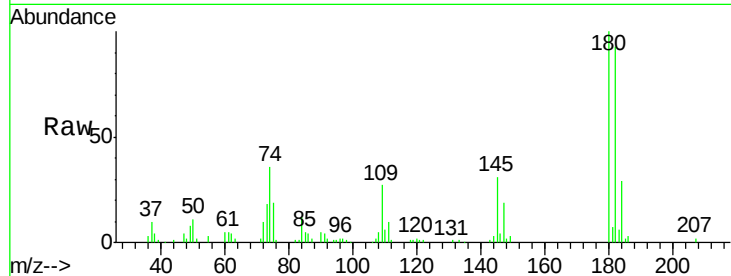
#93
 1,2,4-Trichlorobenzene
 Concen: 46.445 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69278		
182	93.4	47.3	141.9	
145	31.2	16.0	47.9	

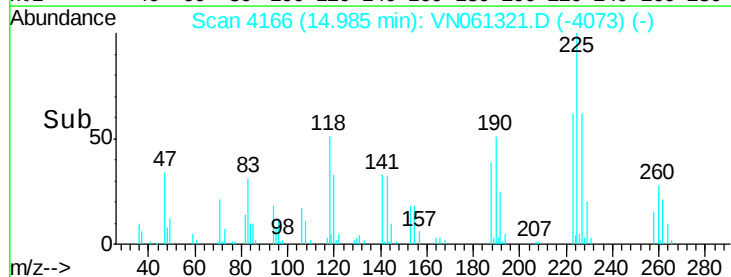
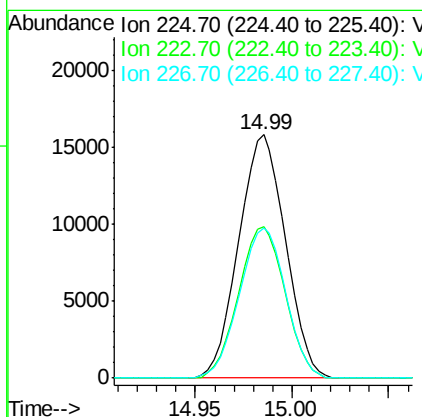
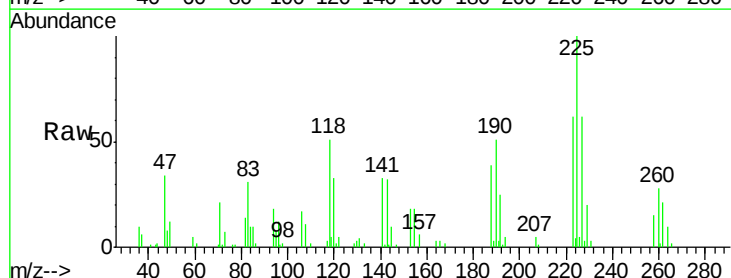
Manual Integrations
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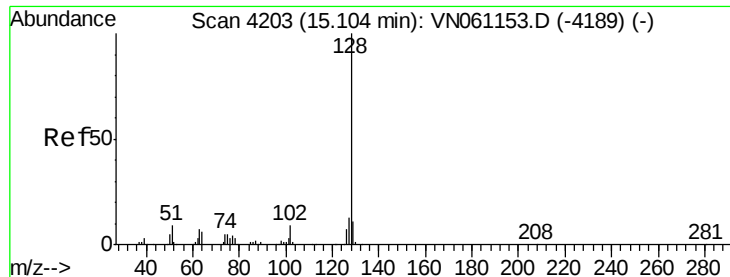
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#94
 Hexachlorobutadiene
 Concen: 42.561 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061321.D
 Acq: 6 May 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26522		
223	61.9	32.4	97.0	
227	61.1	32.4	97.0	





#95

Naphthalene

Concen: 47.415 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Instrument :

MSVOA_N

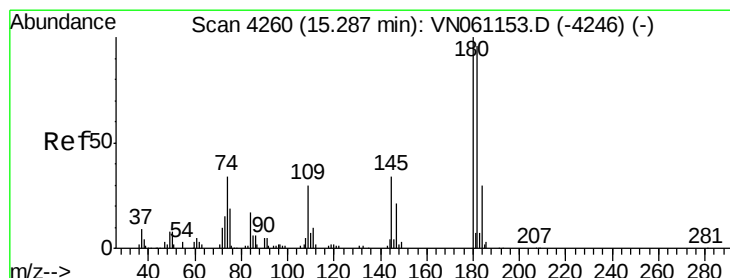
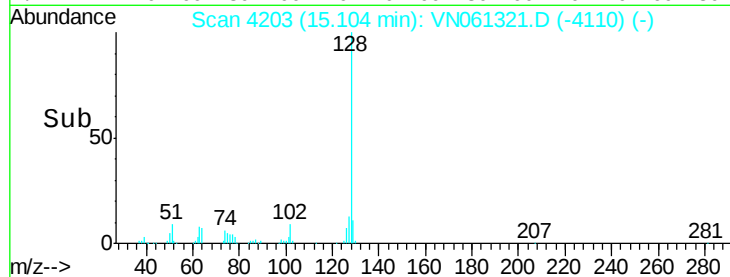
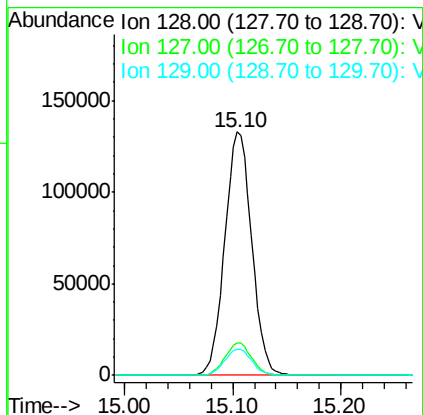
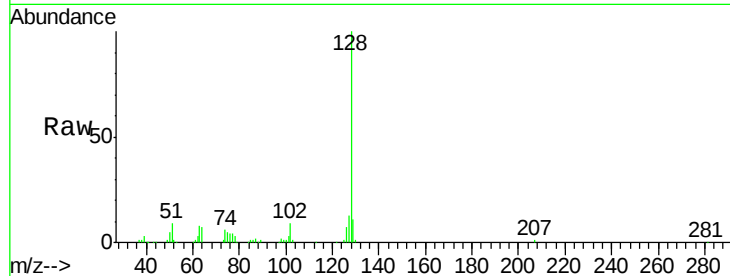
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	230329
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 44.485 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061321.D

Acq: 6 May 2020 19:41

Tgt Ion:	180	Resp:	65512
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.5	142.5
145	34.8	16.9	50.7

