

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061397.D
 Acq On : 14 May 2020 16:21
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:48 PM

Quant Time: May 15 05:46:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	22242	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	129665	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	116550	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	58653	29.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.17%
60) 4-Bromofluorobenzene	12.37	95	58663	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	10.06	98	164861	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	22879	22.592	ug/l 99
3) Chloromethane	2.03	50	36585	19.758	ug/l 96
4) Vinyl Chloride	2.16	62	47105	18.978	ug/l 97
5) Bromomethane	2.54	94	24199	19.194	ug/l 96
6) Chloroethane	2.68	64	31037	18.481	ug/l 99
7) Trichlorofluoromethane	2.98	101	51301	19.312	ug/l 99
8) Diethyl Ether	3.37	74	17715	20.967	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	24271	21.389	ug/l 97
10) 1,1-Dichloroethene	3.70	96	25378	21.242	ug/l 99
11) Methyl Iodide	3.91	142	28292	21.881	ug/l 99
12) Methyl Acetate	4.28	43	28343	19.534	ug/l 98
13) Acrolein	3.56	56	24377	99.782	ug/l 98
14) Acrylonitrile	4.93	53	66522	97.673	ug/l 99
15) Acetone	3.77	58	19005	116.203	ug/l 94
16) Carbon Disulfide	4.01	76	80623	24.006	ug/l 100
17) Allyl chloride	4.27	41	51146	21.269	ug/l 98
18) Methylene Chloride	4.50	84	28997	20.112	ug/l 98
19) trans-1,2-Dichloroethene	4.98	96	29164	20.511	ug/l 91
20) Diisopropyl ether	5.90	45	105823	18.904	ug/l 94
21) 1,1-Dichloroethane	5.79	63	56997	19.498	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	32093	19.250	ug/l 95
23) tert-Butyl Alcohol	4.72	59	22095	101.207	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	95666	19.731	ug/l 98
25) Chloroform	7.33	83	55123	19.453	ug/l 94
26) Cyclohexane	7.61	56	54302	19.454	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	44221	19.434	ug/l 99
30) 2-Butanone	6.78	43	94727	98.416	ug/l 99
31) 2,2-Dichloropropane	6.77	77	52471	19.739	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	50079	19.671	ug/l 99
33) Carbon Tetrachloride	7.73	117	38151	19.523	ug/l 99
34) Benzene	8.00	78	125038	19.424	ug/l 99
35) Methacrylonitrile	7.12	41	23303m	24.138	ug/l
36) 1,2-Dichloroethane	8.08	62	48340	19.562	ug/l 100
37) Trichloroethene	8.80	130	31574	19.920	ug/l 98
38) Methylcyclohexane	9.05	83	53598	19.622	ug/l 97
39) 1,2-Dichloropropane	9.08	63	33225	18.774	ug/l 98
40) Dibromomethane	9.17	93	21211	19.405	ug/l 92

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

41) Bromodichloromethane	9.37	83	45991	19.395	ug/l	98
42) Vinyl Acetate	5.84	43	434633	95.087	ug/l	99
43) Ethyl Acetate	6.88	43	39391	19.160	ug/l #	91
44) Isopropyl Acetate	8.12	43	72972	18.281	ug/l #	90
45) 1,4-Dioxane	9.16	88	7736	491.084	ug/l	97
46) Methyl methacrylate	9.16	41	34064	18.147	ug/l	96
47) n-amyl Acetate	12.04	43	65438	18.379	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	53133	18.988	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	55901	18.886	ug/l	94
50) 1,1,2-Trichloroethane	10.53	97	28143	18.621	ug/l	96
51) Ethyl methacrylate	10.40	69	48618	18.672	ug/l	95
52) 1,3-Dichloropropane	10.68	76	53063	19.228	ug/l	100
53) Dibromochloromethane	10.87	129	30818	18.610	ug/l	100
54) 1,2-Dibromoethane	10.98	107	29249	18.756	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	99694	86.513	ug/l	99
56) Bromoform	12.10	173	19118	18.357	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	201888	95.058	ug/l	99
59) 2-Hexanone	10.72	43	147570	98.231	ug/l	99
61) Tetrachloroethene	10.60	164	28711	19.699	ug/l	96
62) Toluene	10.12	91	131848	19.510	ug/l	98
64) Chlorobenzene	11.41	112	78109	19.528	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	28242	19.323	ug/l	99
66) Ethyl Benzene	11.48	91	149285	19.249	ug/l	99
67) m/p-Xylenes	11.59	106	110231	38.489	ug/l	99
68) o-Xylene	11.92	106	53222	19.472	ug/l	99
69) Styrene	11.94	104	90233	19.185	ug/l	98
70) Isopropylbenzene	12.22	105	142875	19.292	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	39143	19.132	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	39262m	20.120	ug/l	
73) Bromobenzene	12.50	156	29530	19.197	ug/l	92
74) n-propylbenzene	12.56	91	169646	19.266	ug/l	100
75) 2-Chlorotoluene	12.65	91	98925	19.591	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	119555	19.237	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	15197	18.712	ug/l	96
78) 4-Chlorotoluene	12.75	91	103675	19.607	ug/l	98
79) tert-butylbenzene	12.97	119	98143	19.010	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	120765	19.467	ug/l	99
81) sec-Butylbenzene	13.15	105	139175	19.568	ug/l	100
82) p-Isopropyltoluene	13.27	119	123827	19.334	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	55235	19.320	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	55978	19.784	ug/l	96
85) n-Butylbenzene	13.59	91	119943	20.229	ug/l	98
86) Hexachloroethane	13.85	117	18246	20.437	ug/l	81
87) 1,2-Dichlorobenzene	13.63	146	52713	19.437	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	8557	19.624	ug/l	93
89) 1,2,4-Trichlorobenzene	14.89	180	33387	21.428	ug/l	99
90) Hexachlorobutadiene	14.99	225	14530	22.892	ug/l	99
91) Naphthalene	15.10	128	107796	21.996	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	31787	21.005	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

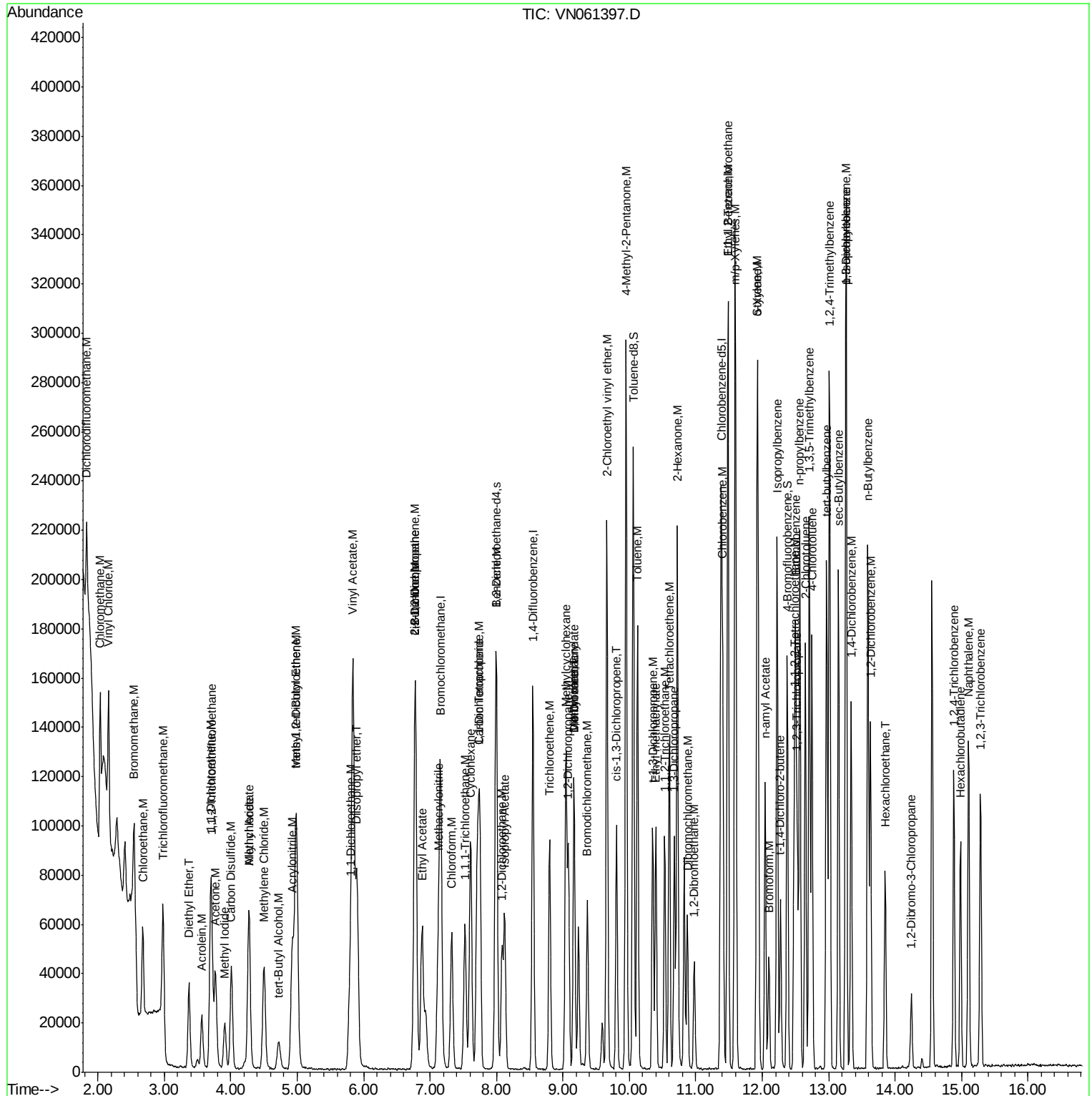
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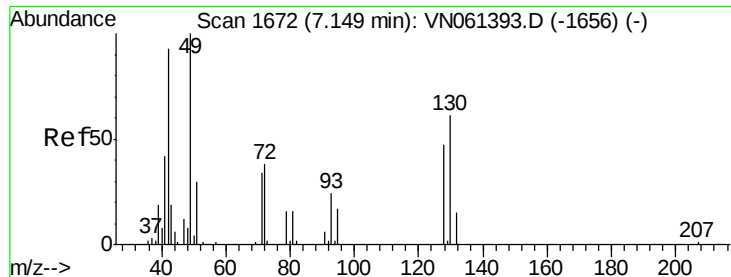
Instrument :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

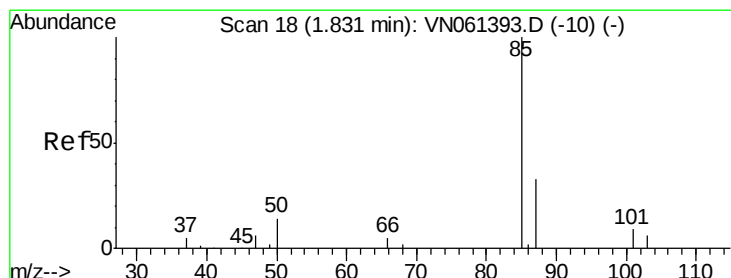
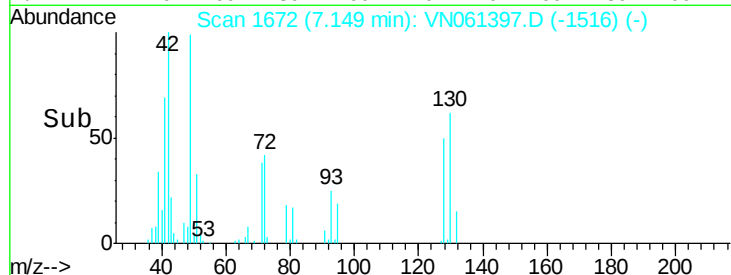
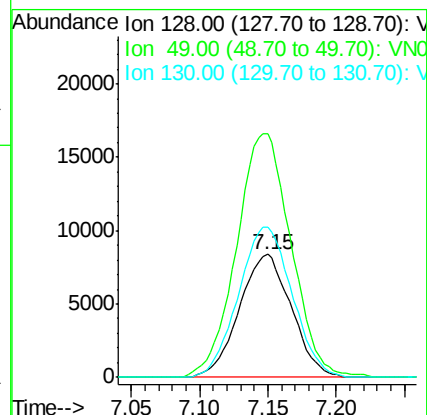
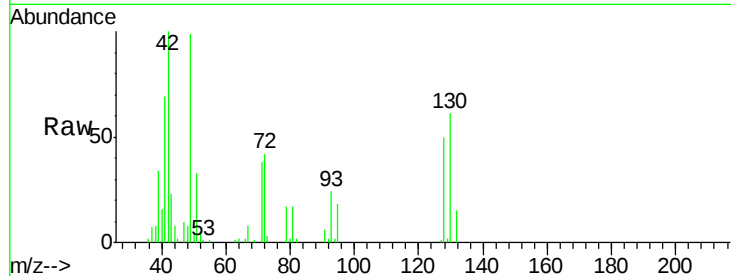
ClientSampleId :

ICVVN051420

Tot Ion	Ratio	Lower	Upper
128	100		
49	206.5	0.0	453.5
130	126.1	0.0	314.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 22.592 ug/l

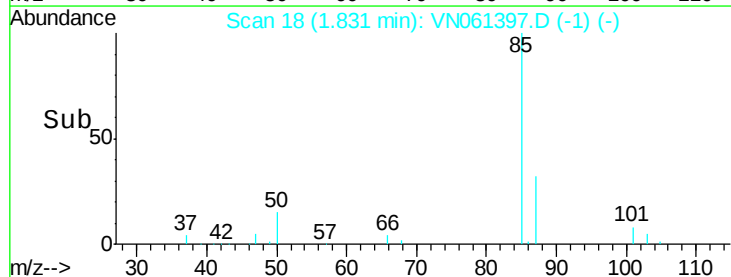
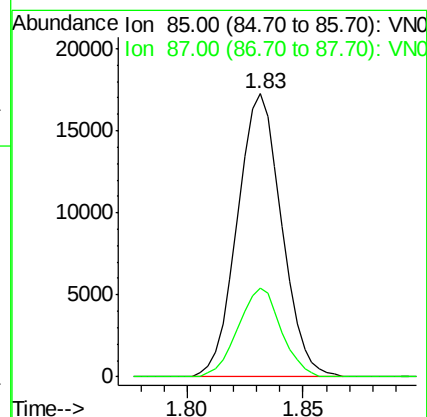
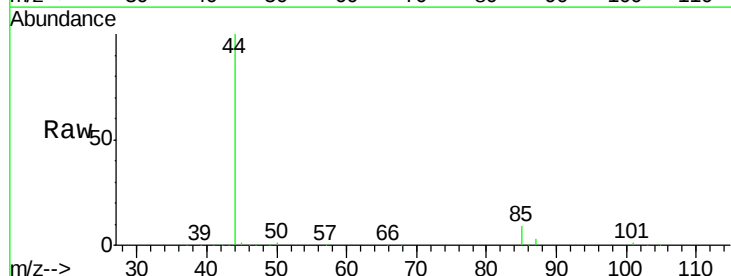
RT: 1.83 min Scan# 18

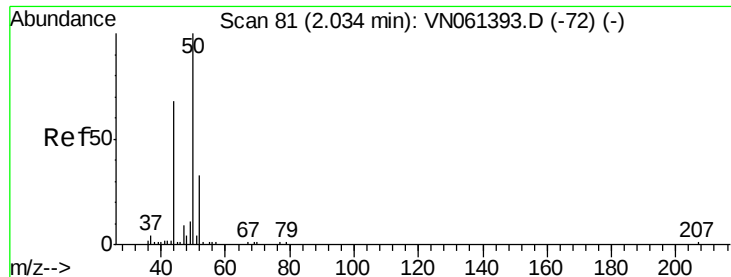
Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.7	47.0





#3

Chloromethane

Concen: 19.758 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051420

Tot Ion: 50 Resp: 36585

Ion Ratio Lower Upper

50 100

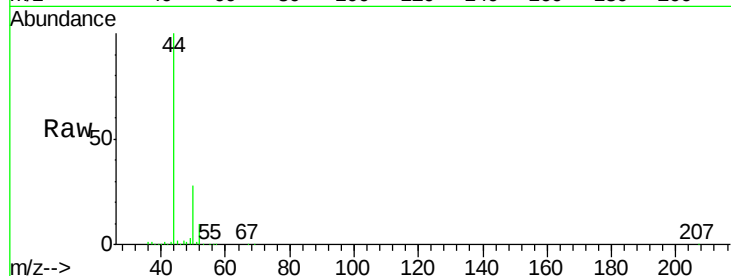
52 34.7 25.8 38.8

Manual Integrations

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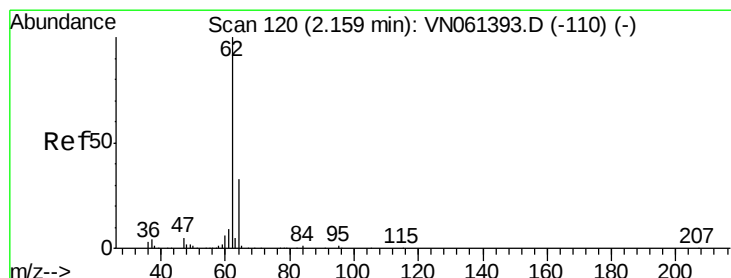
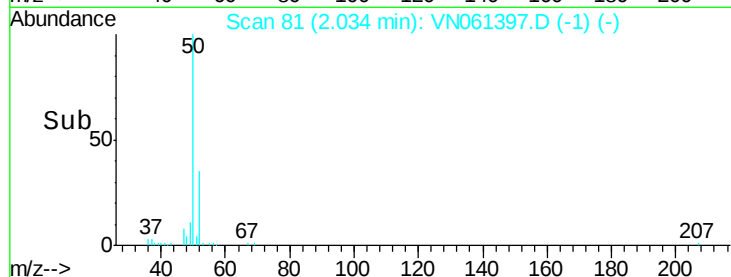
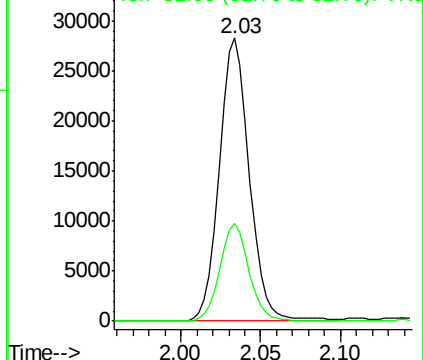
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.978 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061397.D

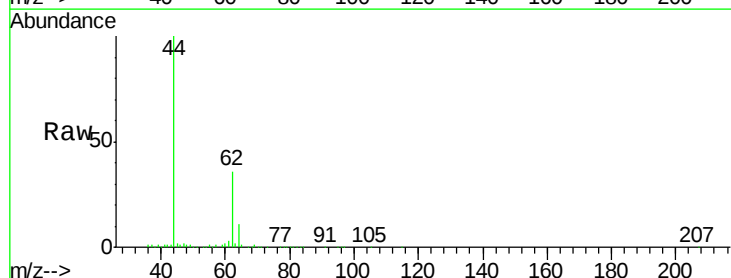
Acq: 14 May 2020 16:21

Tgt Ion: 62 Resp: 47105

Ion Ratio Lower Upper

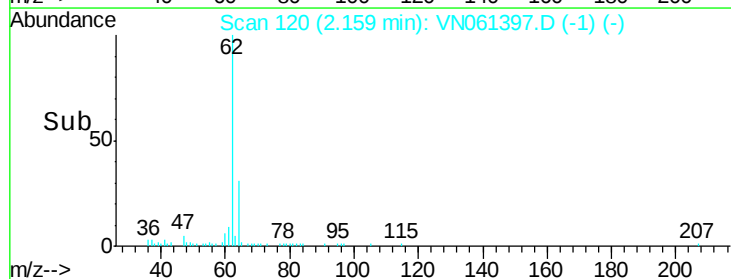
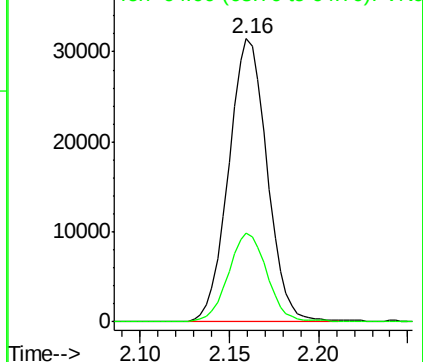
62 100

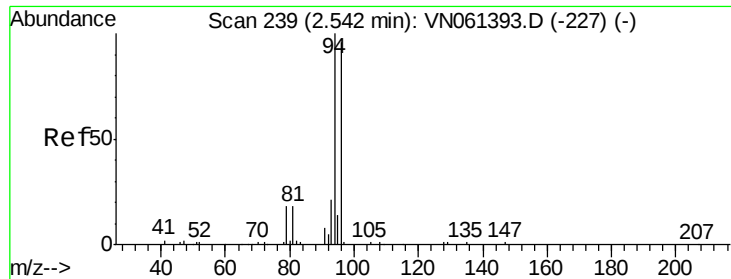
64 31.2 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.194 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061397.D

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ICVVN051420

Tot Ion: 94 Resp: 24199

Ion Ratio Lower Upper

94 100

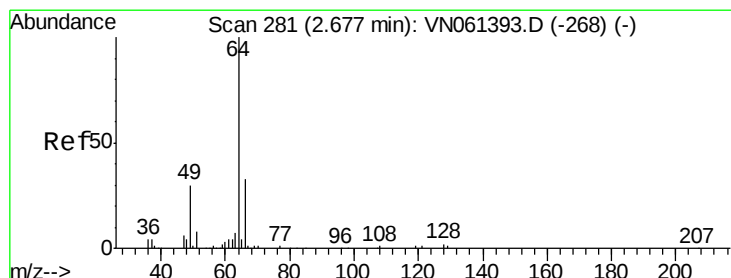
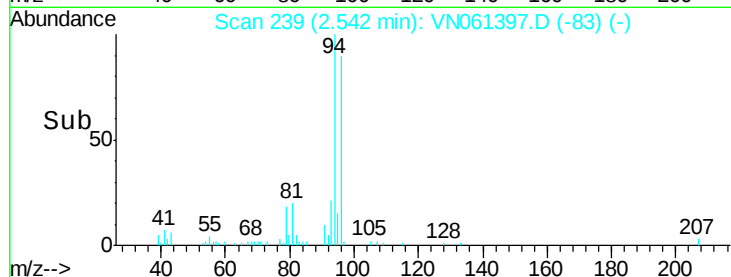
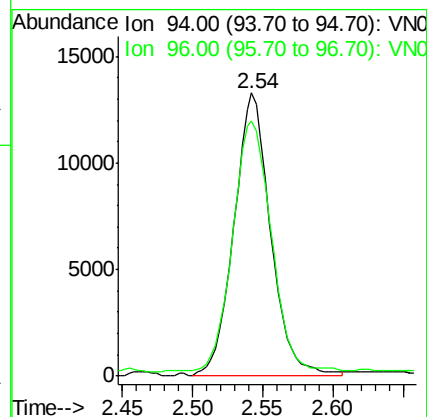
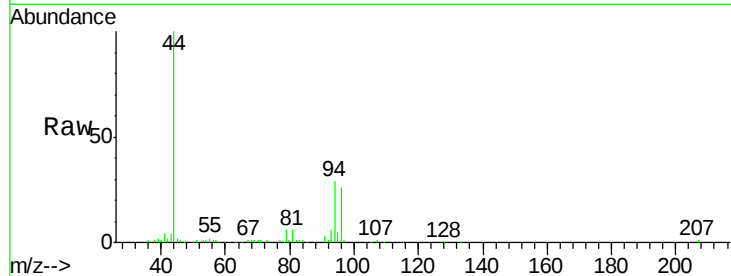
96 88.2 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 18.481 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN061397.D

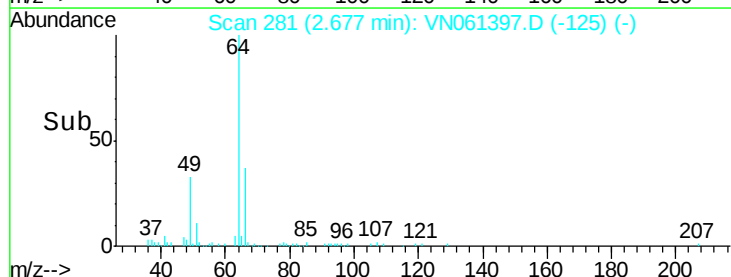
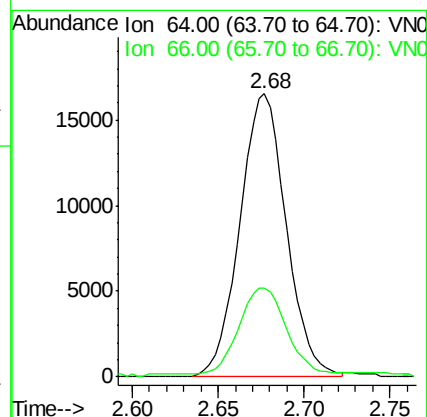
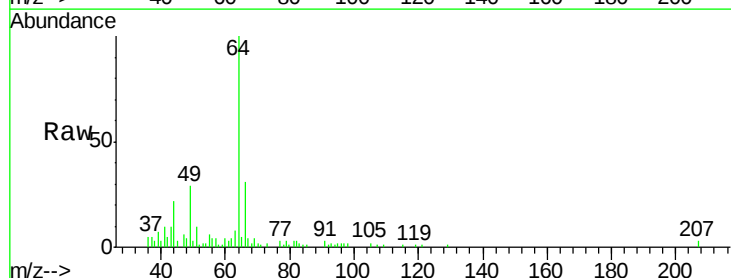
Acq: 14 May 2020 16:21

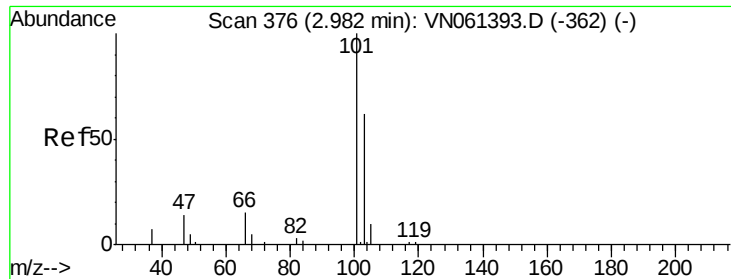
Tgt Ion: 64 Resp: 31037

Ion Ratio Lower Upper

64 100

66 30.1 24.6 36.8





#7

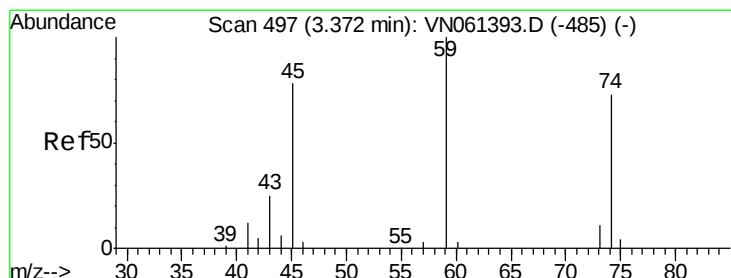
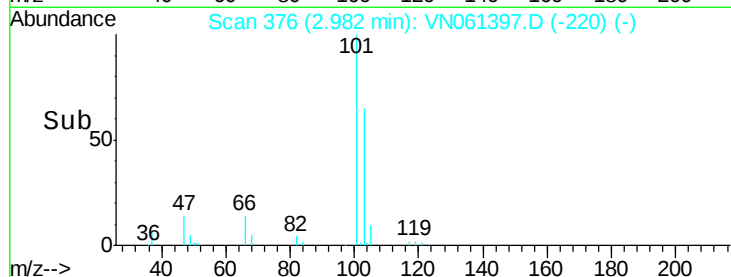
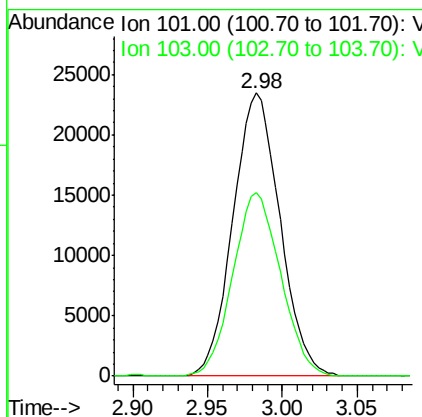
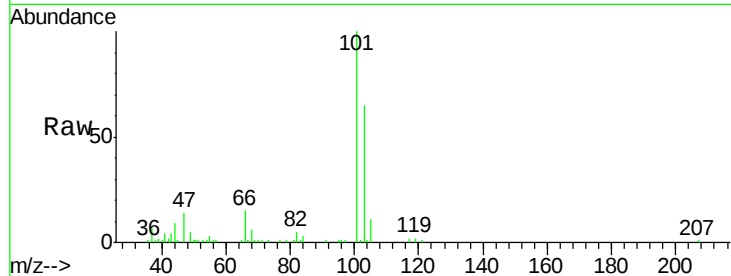
Trichlorofluoromethane
Concen: 19.312 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

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ClientSampleId :
ICVVN051420

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.5	77.3

Manual Integrations
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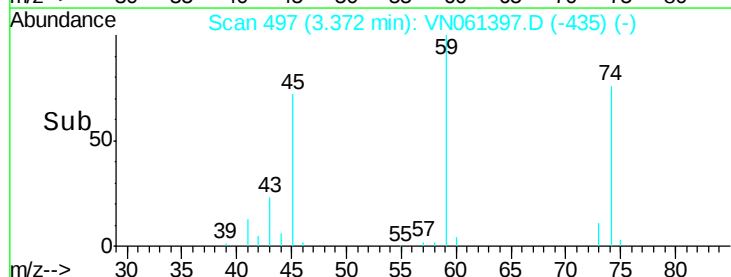
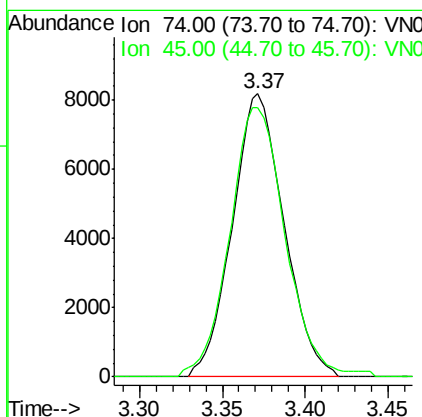
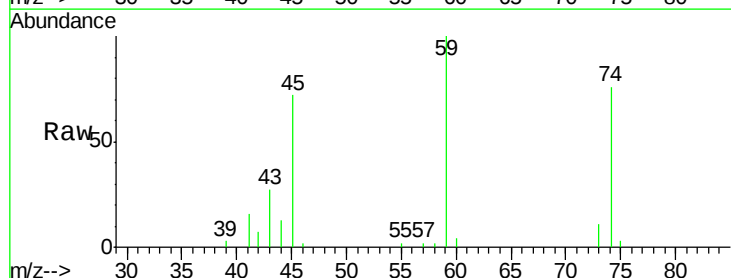
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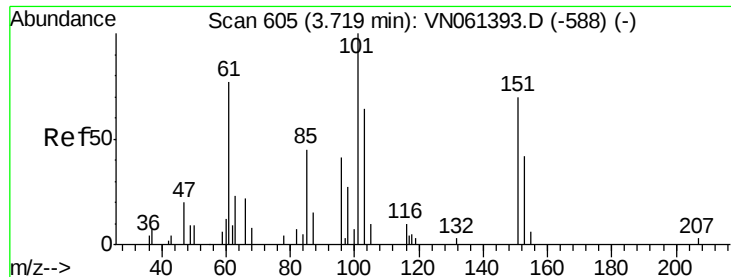


#8

Diethyl Ether
Concen: 20.967 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.389 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061397.D

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Instrument :

MSVOA_N

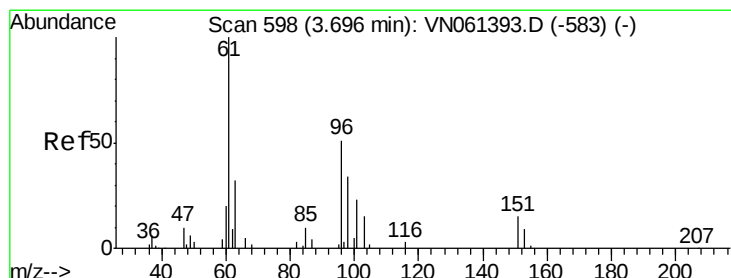
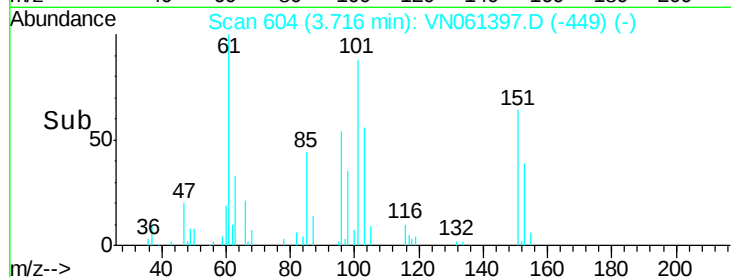
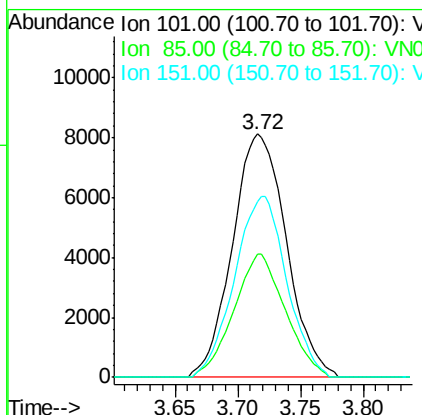
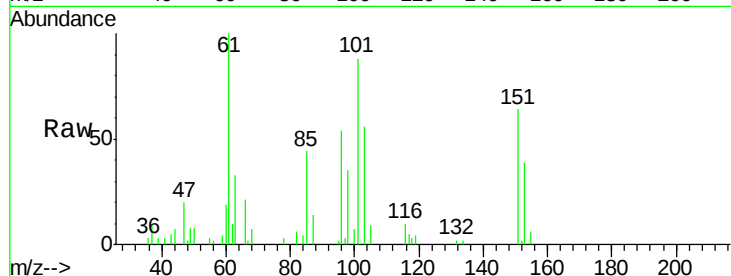
ClientSampleId :

ICVVN051420

Tot Ion:	101	Resp:	24271
Ion Ratio	Lower	Upper	
101	100		
85	48.4	0.0	93.8
151	71.8	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 21.242 ug/l

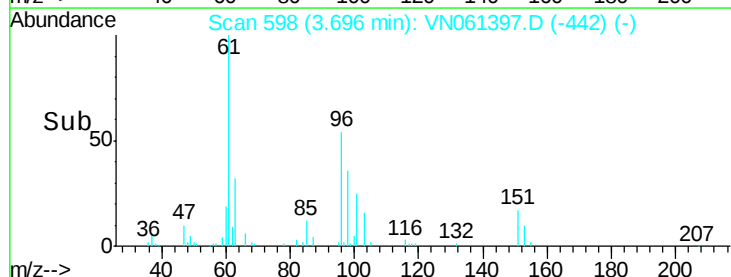
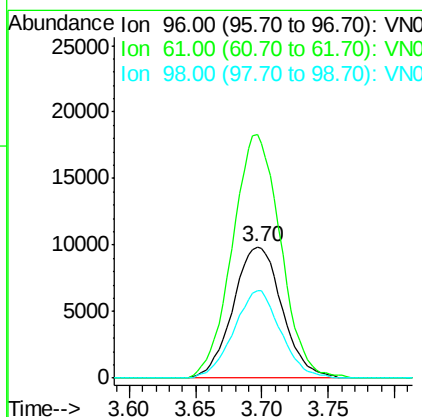
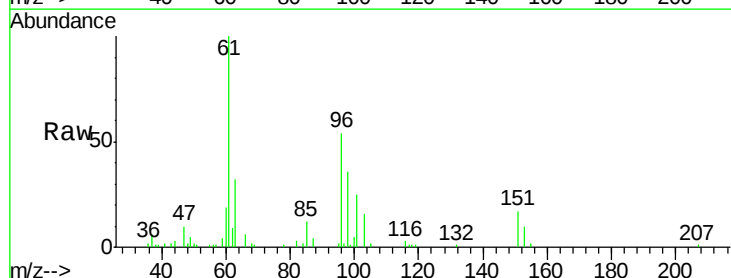
RT: 3.70 min Scan# 598

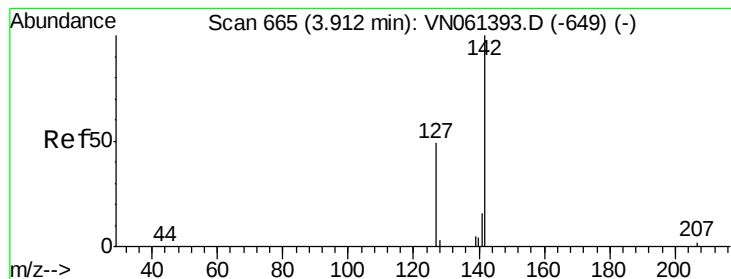
Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion:	96	Resp:	25378
Ion Ratio	Lower	Upper	
96	100		
61	185.0	148.5	222.7
98	66.5	51.0	76.6





#11

Methvl Iodide

Concen: 21.881 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

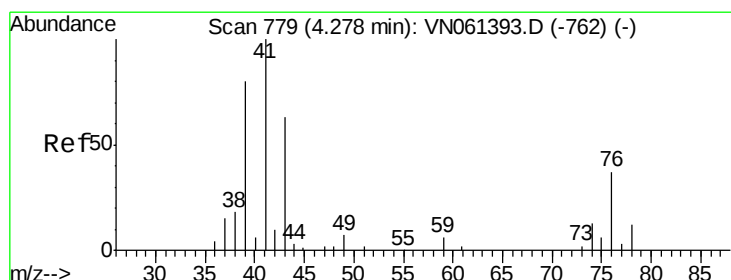
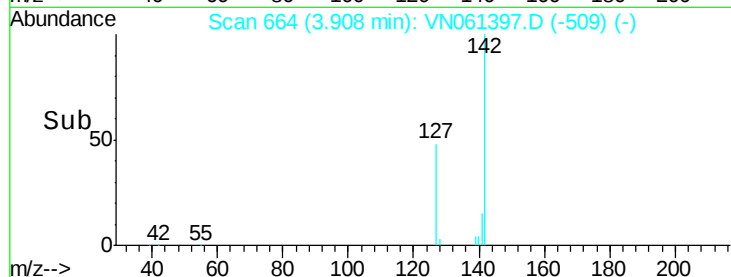
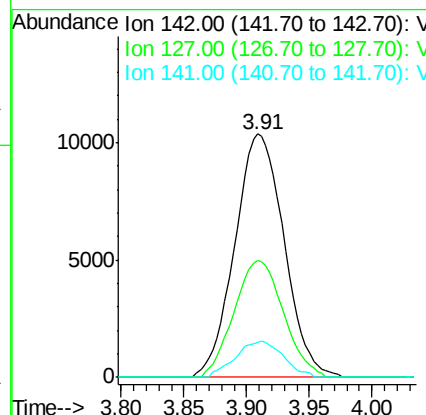
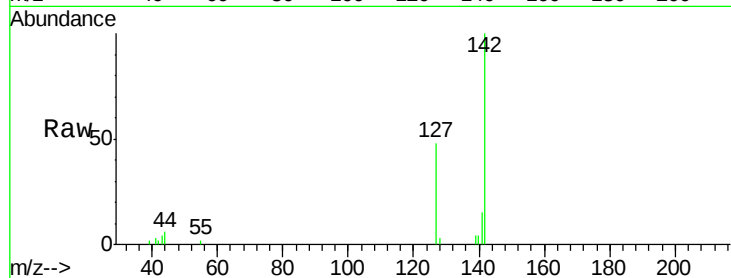
ClientSampleId :

ICVVN051420

Tot Ion:	142	Resp:	28292
Ion Ratio	Lower	Upper	
142	100		
127	47.9	23.5	70.6
141	14.5	7.4	22.2

Manual Integrations
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#12

Methyl Acetate

Concen: 19.534 ug/l

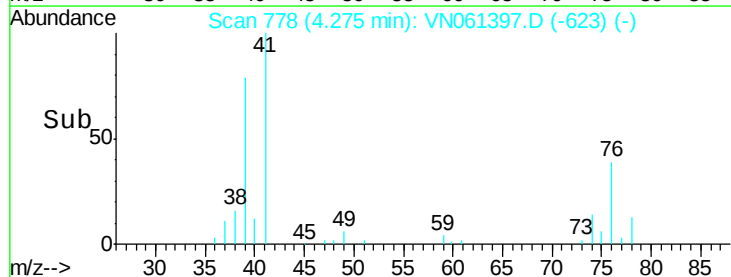
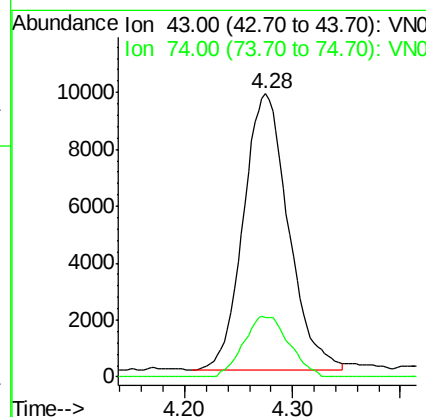
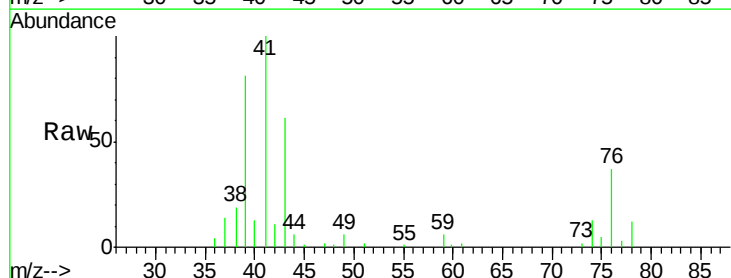
RT: 4.28 min Scan# 778

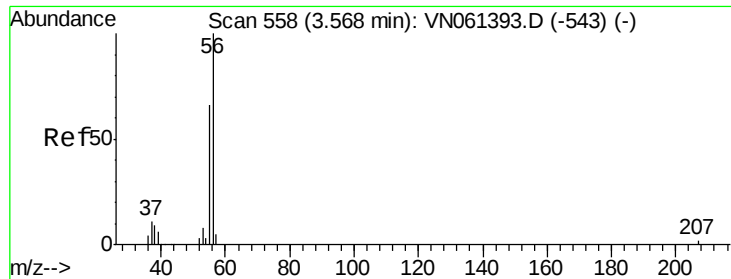
Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion:	43	Resp:	28343
Ion Ratio	Lower	Upper	
43	100		
74	21.8	18.1	27.1





#13

Acrolein

Concen: 99.782 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051420

Tot Ion: 56 Resp: 24377

Ion Ratio Lower Upper

56 100

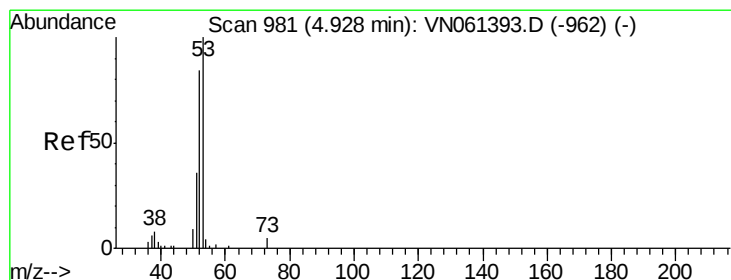
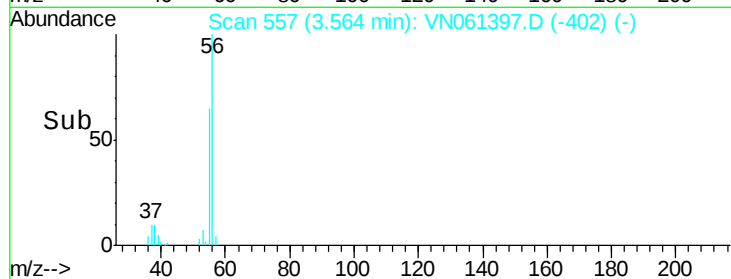
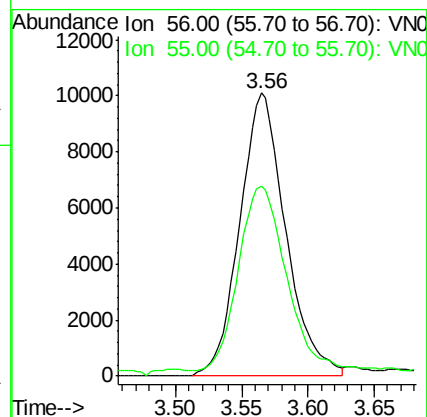
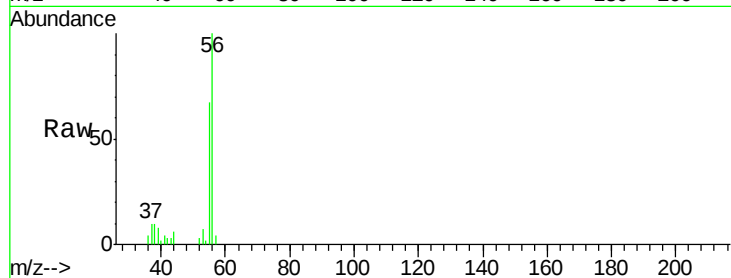
55 68.5 55.9 83.9

Manual Integrations

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MMDadoda

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#14

Acrylonitrile

Concen: 97.673 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

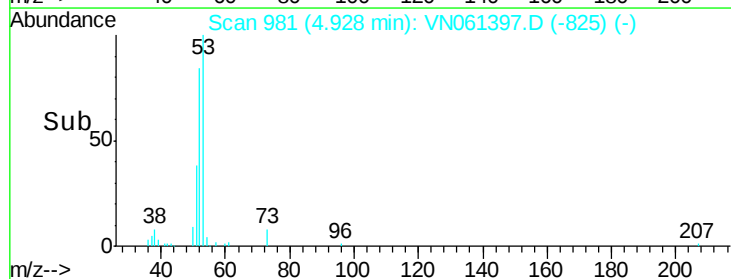
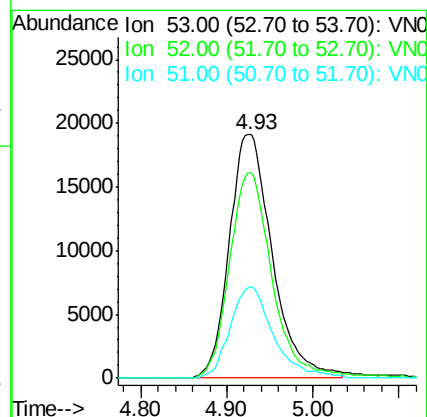
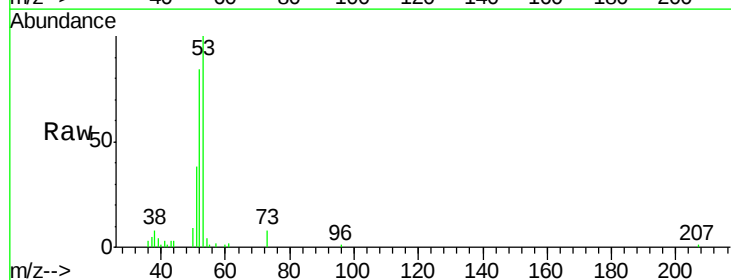
Tgt Ion: 53 Resp: 66522

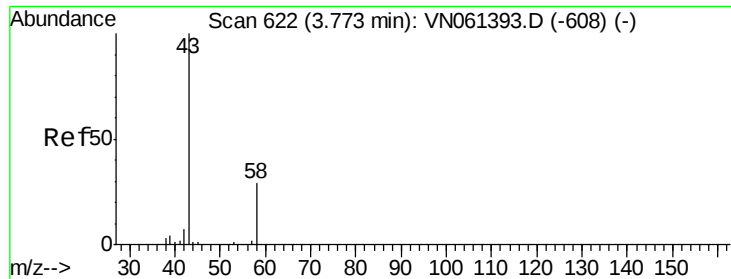
Ion Ratio Lower Upper

53 100

52 83.2 42.2 126.6

51 36.5 18.8 56.4





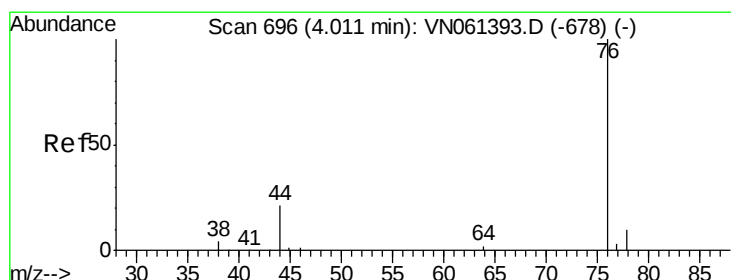
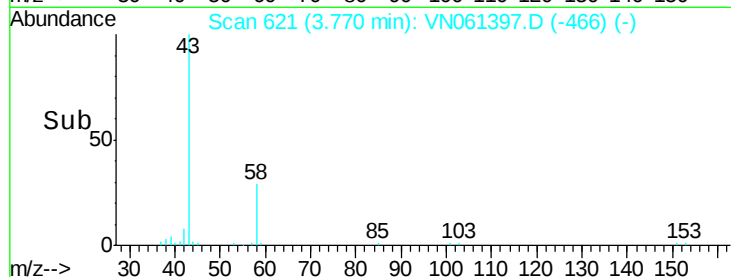
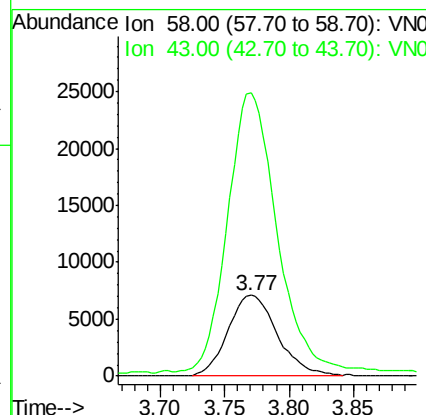
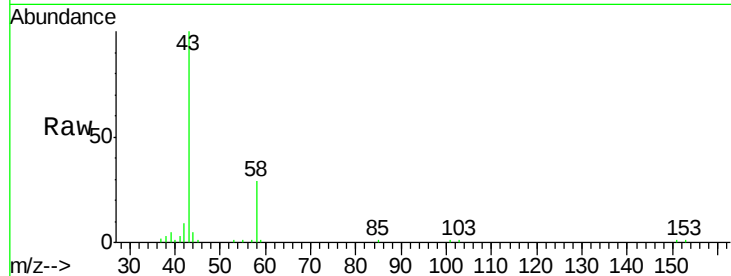
#15
Acetone
Concen: 116.203 ug/l
RT: 3.77 min Scan# 621
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampled :
ICVVN051420

Tot Ion: 58 Resp: 19005
Ion Ratio Lower Upper
58 100
43 339.5 281.7 422.5

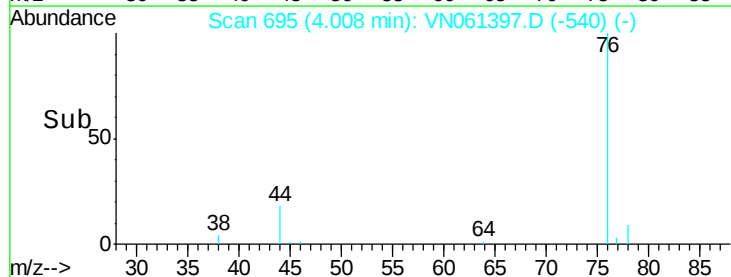
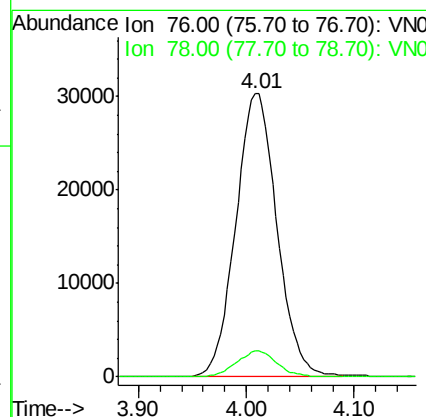
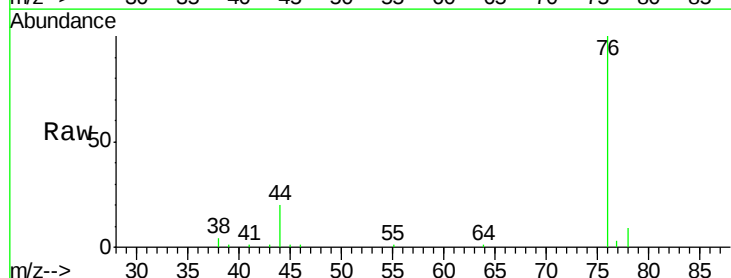
Manual Integrations
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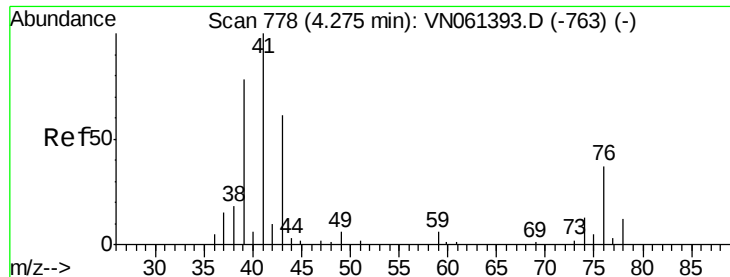
MMDadoda
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#16
Carbon Disulfide
Concen: 24.006 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 76 Resp: 80623
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





#17

Allvl chloride

Concen: 21.269 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

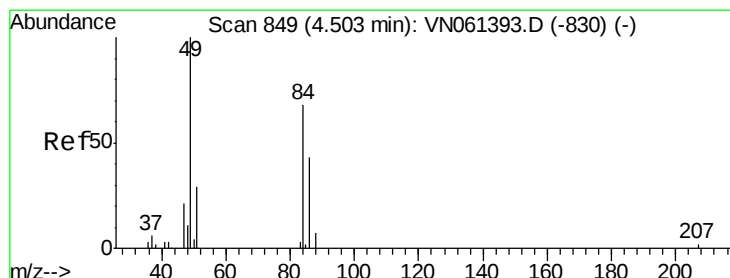
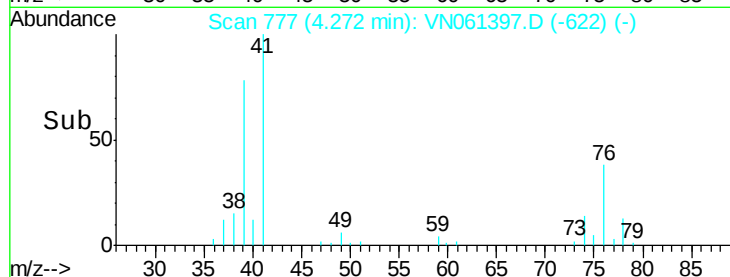
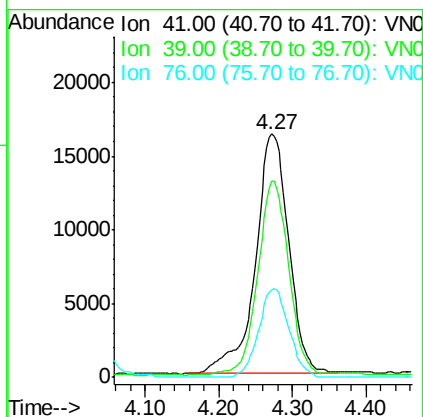
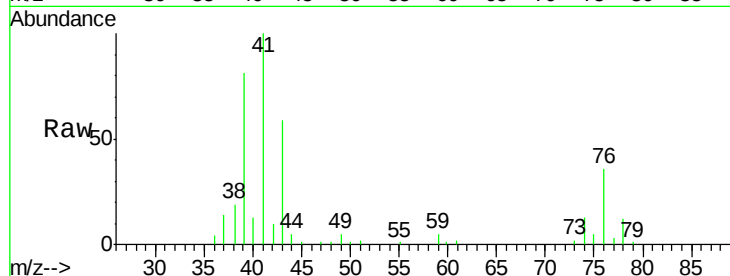
ClientSampleId :

ICVVN051420

Tot Ion:	41	Resp:	51146
Ion	Ratio	Lower	Upper
41	100		
39	80.9	39.6	118.8
76	36.5	17.6	52.9

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#18

Methylene Chloride

Concen: 20.112 ug/l

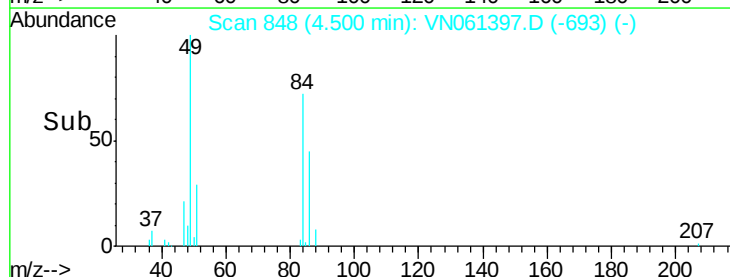
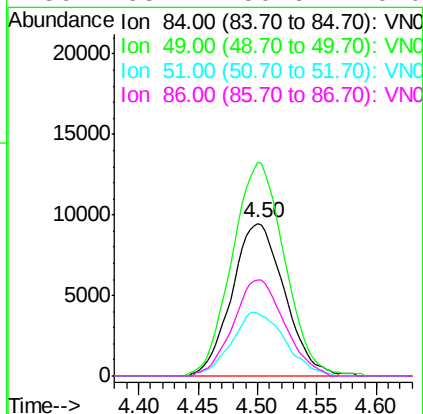
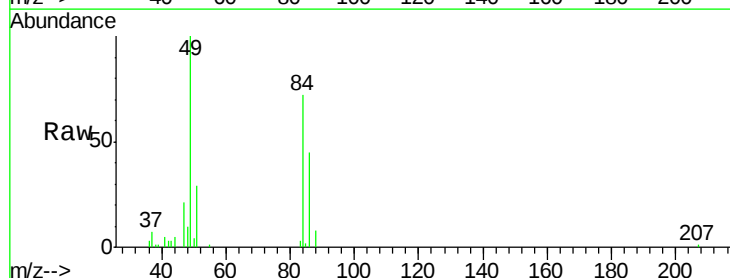
RT: 4.50 min Scan# 848

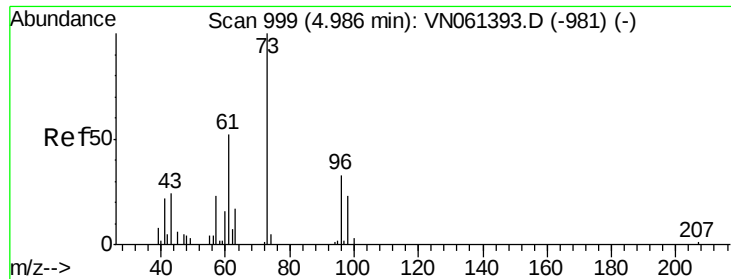
Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion:	84	Resp:	28997
Ion	Ratio	Lower	Upper
84	100		
49	137.8	106.6	160.0
51	40.8	32.4	48.6
86	63.1	50.6	76.0





#19

trans-1,2-Dichloroethene

Concen: 20.511 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

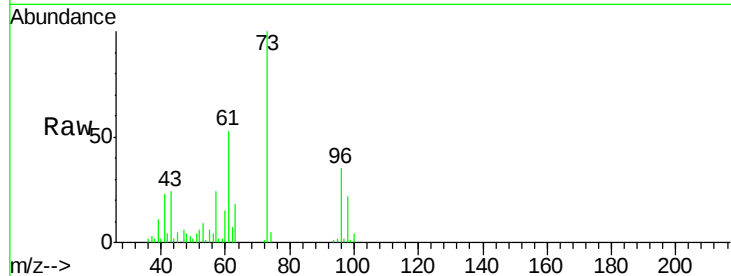
ClientSampleId :

ICVVN051420

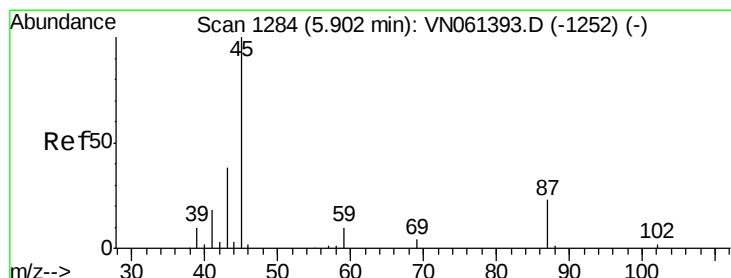
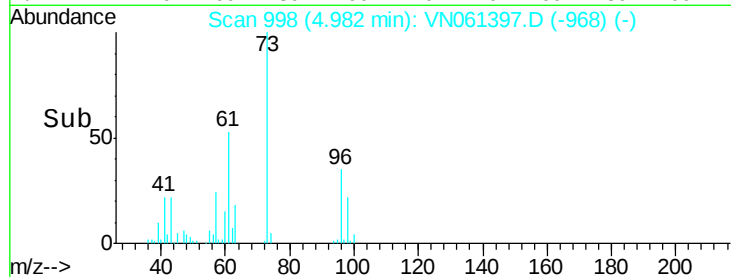
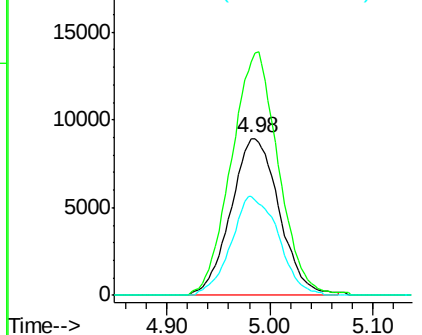
Tot Ion:	96	Resp:	29164
Ion	Ratio	Lower	Upper
96	100		
61	149.0	131.8	197.6
98	62.8	52.6	79.0

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Abundance Ion 96.00 (95.70 to 96.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 98.00 (97.70 to 98.70): VNC



#20

Diisopropyl ether

Concen: 18.904 ug/l

RT: 5.90 min Scan# 1283

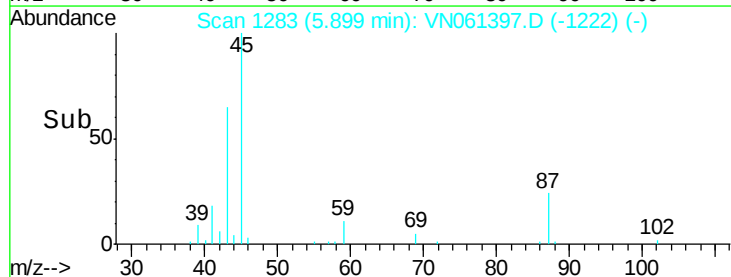
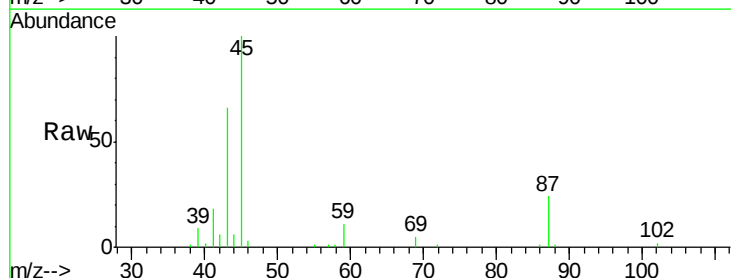
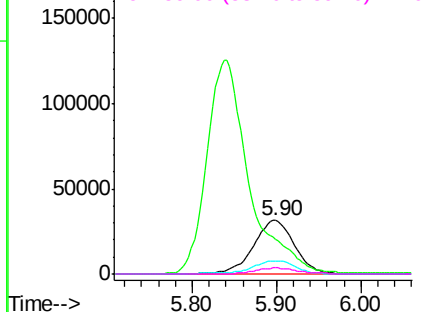
Delta R.T. -0.00 min

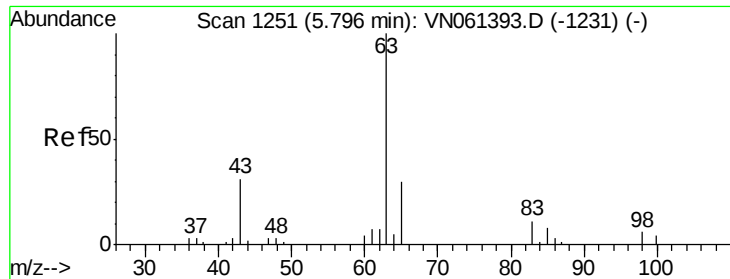
Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion:	45	Resp:	105823
Ion	Ratio	Lower	Upper
45	100		
43	62.3	54.7	82.1
87	24.3	21.5	32.3
59	11.2	8.7	13.1

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





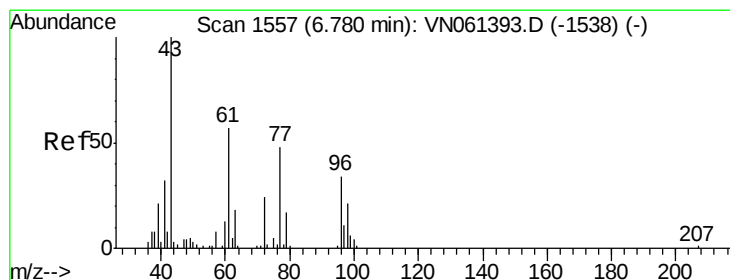
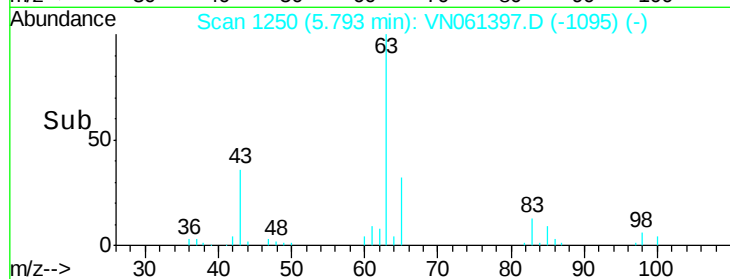
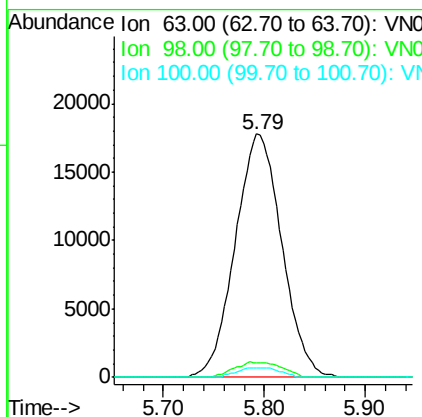
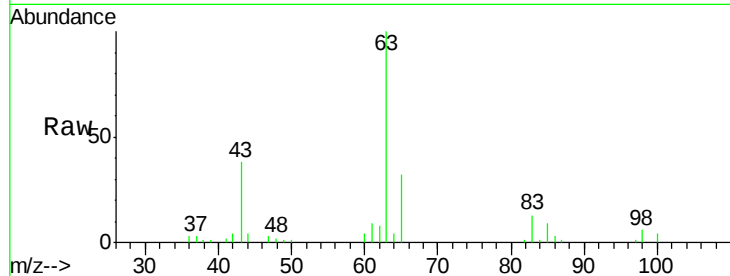
#21
 1,1-Dichloroethane
 Concen: 19.498 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	63	Resp	56997
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.6
100	4.0	1.8	5.5

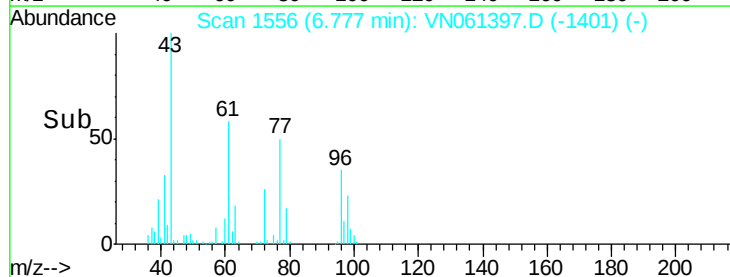
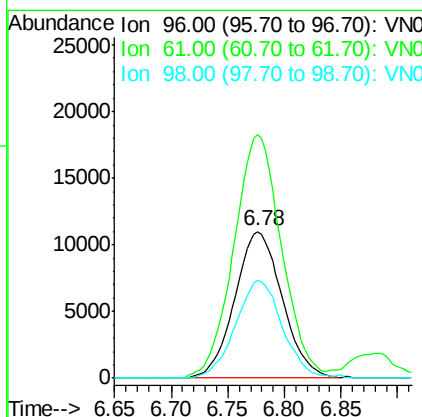
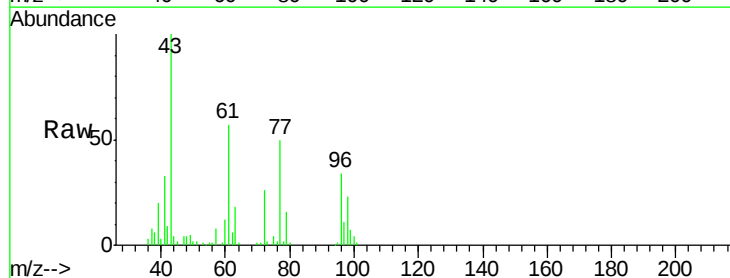
Manual Integrations
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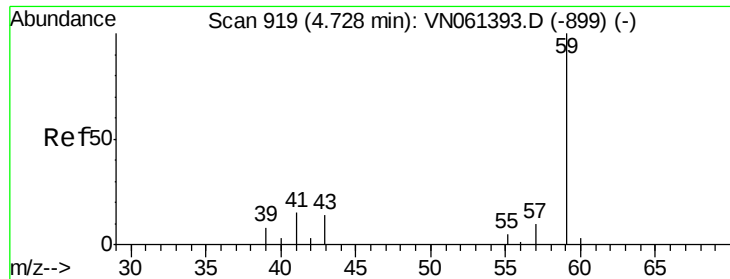
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 19.250 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	96	Resp	32093
Ion	Ratio	Lower	Upper
96	100		
61	166.6	127.2	190.8
98	65.5	50.5	75.7





#23

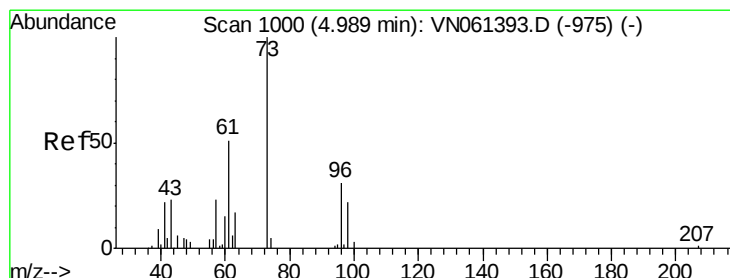
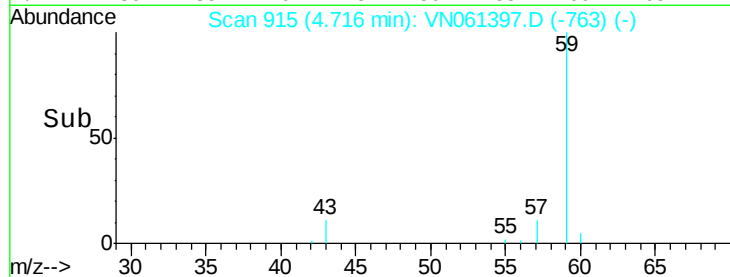
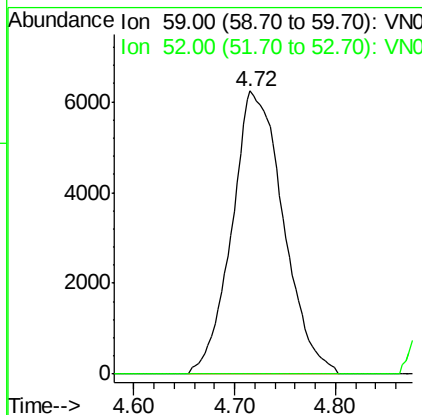
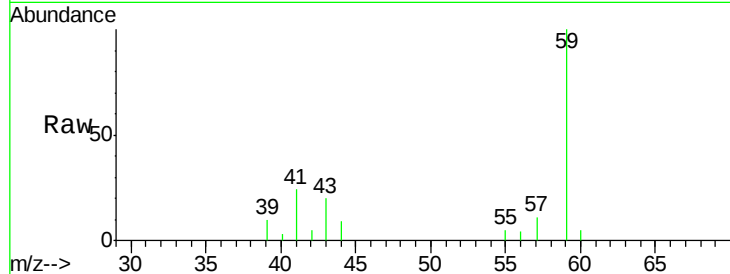
tert-Butyl Alcohol
 Concen: 101.207 ug/l
 RT: 4.72 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	22095		
52	52	0.0	0.0	0.0	0.0

Manual Integrations
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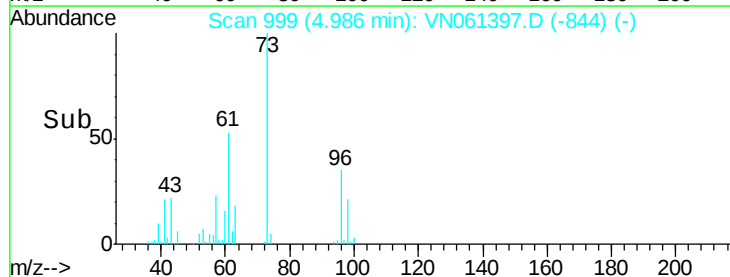
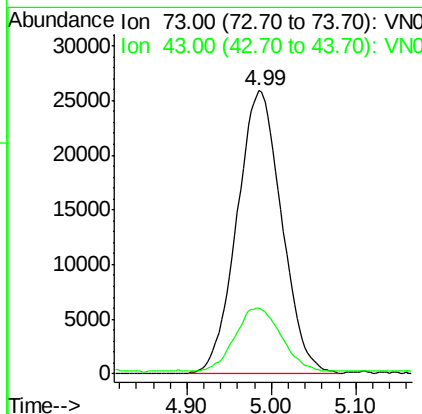
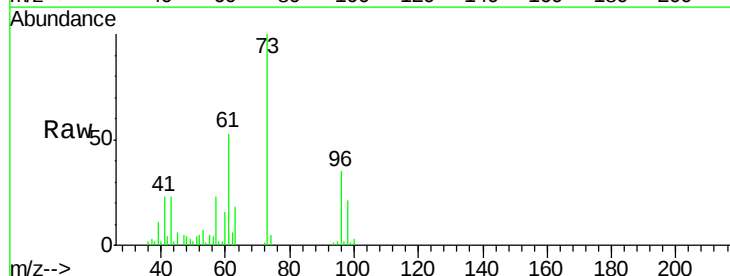
MMDadoda
 5/15/2020 2:10:48 PM

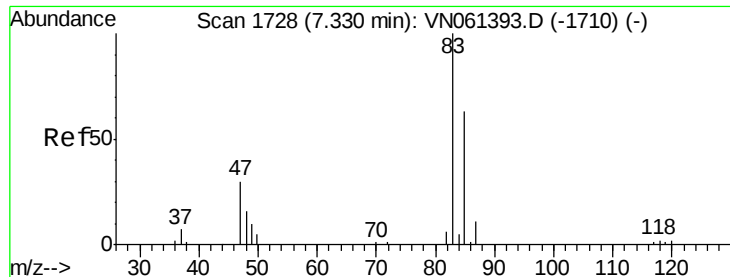


#24

Methyl tert-Butyl Ether
 Concen: 19.731 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	95666		
43	43	23.2	17.9	26.9	





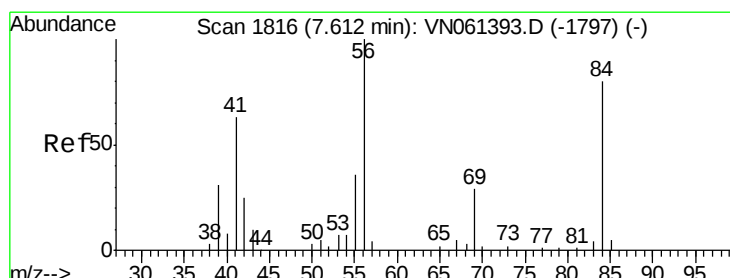
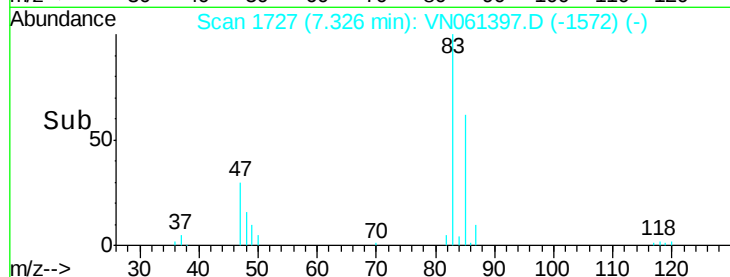
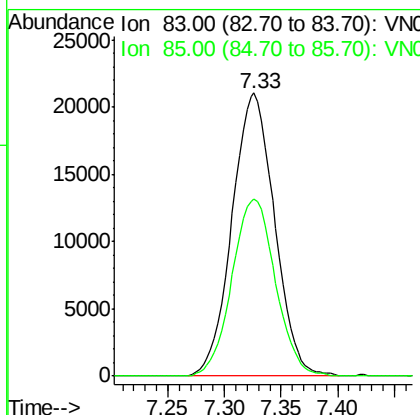
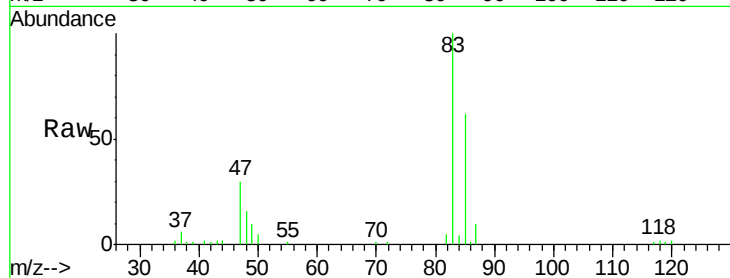
#25
Chloroform
Concen: 19.453 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion	83	Resp	55123
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	53.8	80.8

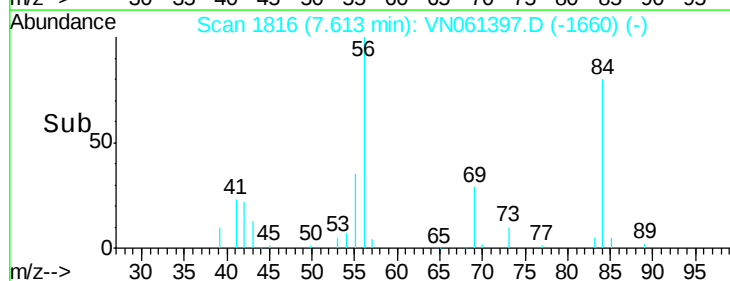
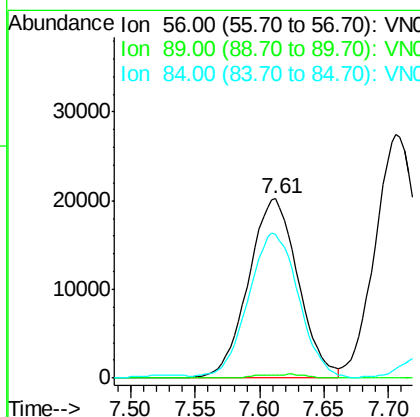
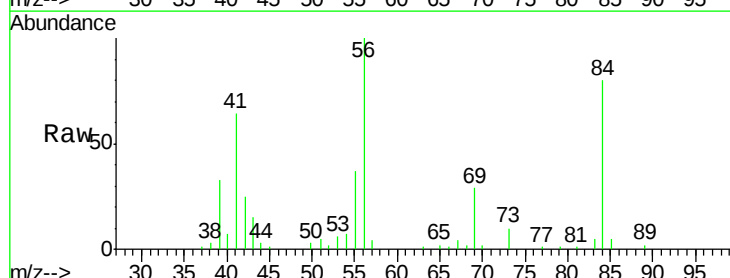
Manual Integrations
APPROVED

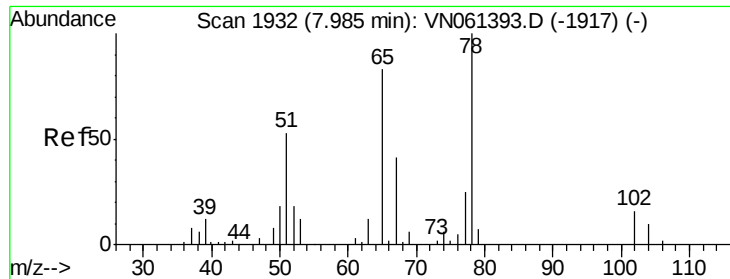
MMDadoda
5/15/2020 2:10:48 PM



#26
Cyclohexane
Concen: 19.454 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	56	Resp	54302
Ion Ratio	100	Lower	Upper
56	100		
89	0.8	6.2	9.2#
84	82.0	65.6	98.4





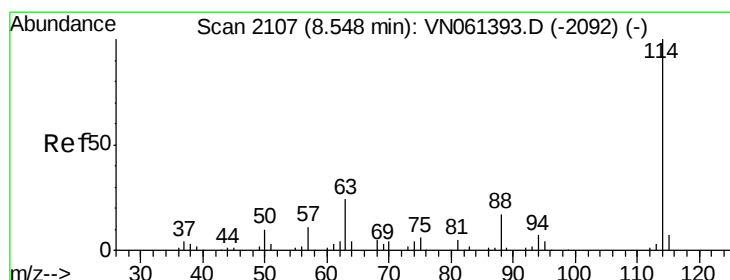
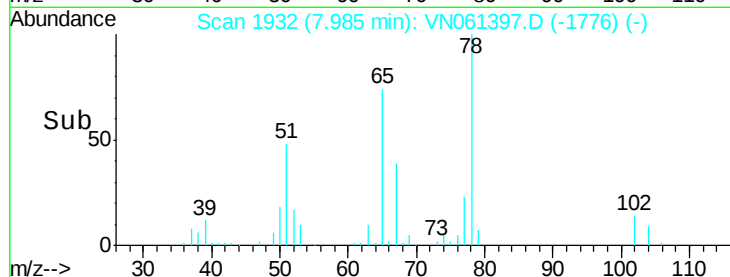
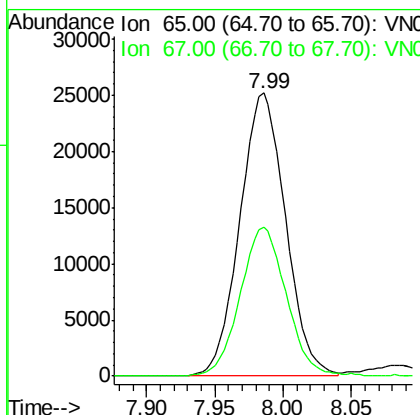
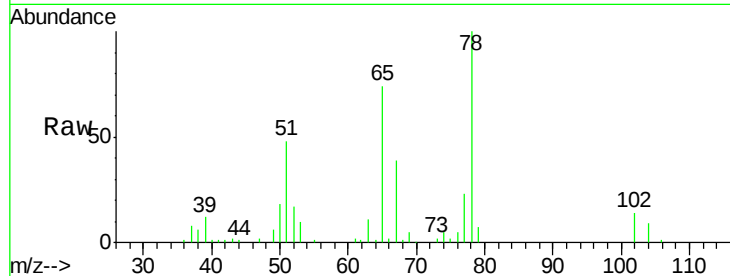
#27
 1,2-Dichloroethane-d4
 Concen: 29.447 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	41.5	62.3	

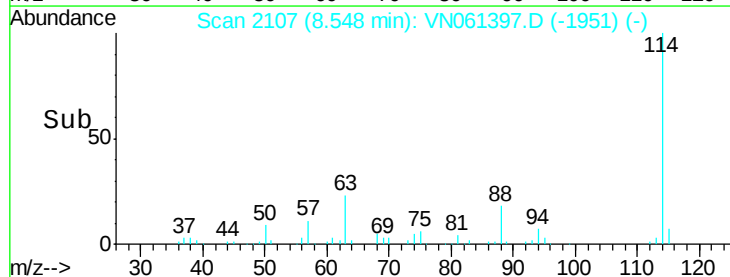
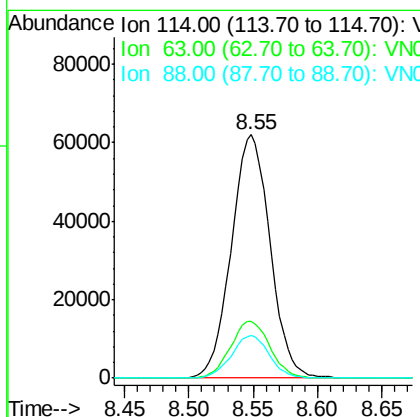
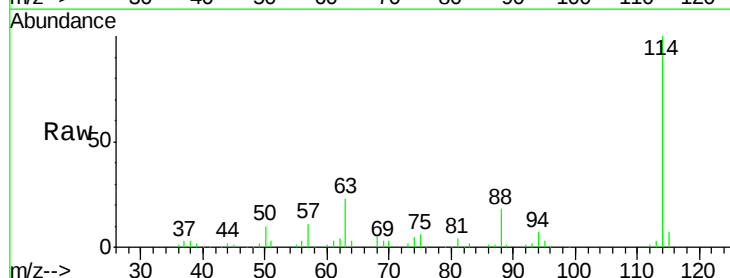
Manual Integrations
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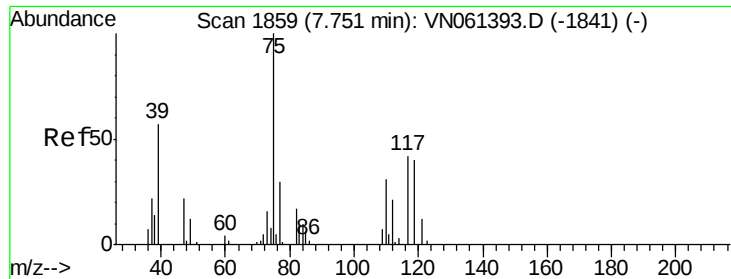
MMDadoda
 5/15/2020 2:10:48 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.7	18.1	27.1	
88	17.1	13.0	19.4	





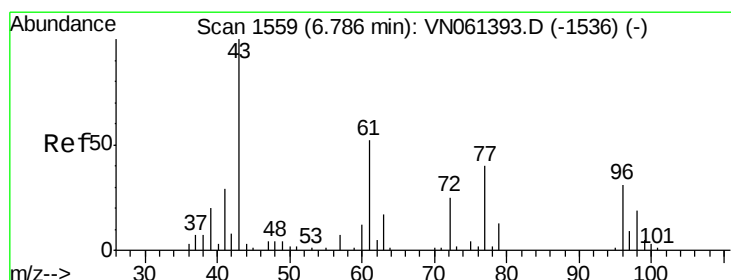
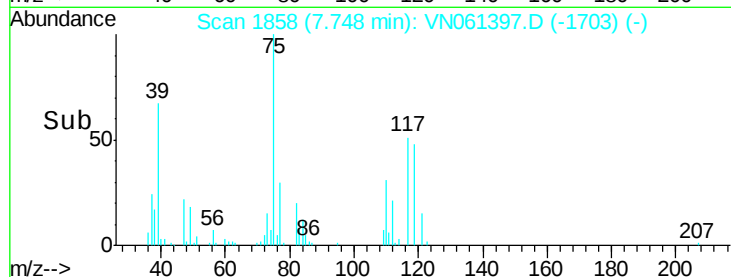
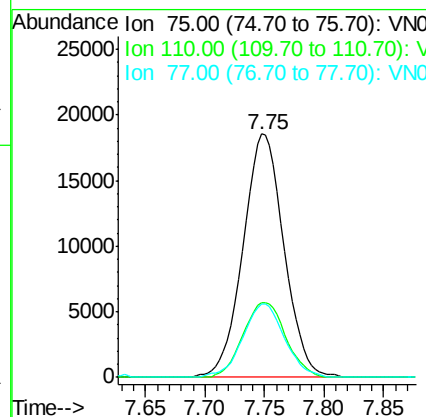
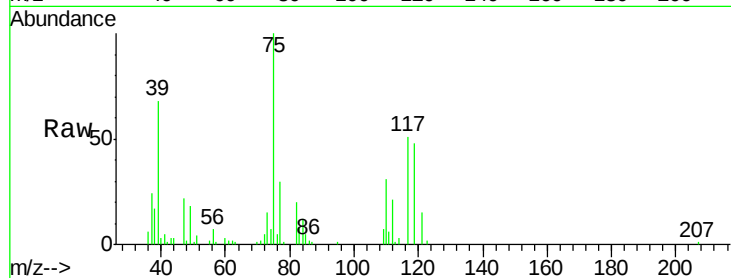
#29
 1,1-Dichloropropene
 Concen: 19.434 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion:	75	Resp:	44221
Ion Ratio	Lower	Upper	
75	100		
110	32.1	0.0	64.6
77	30.9	0.0	60.8

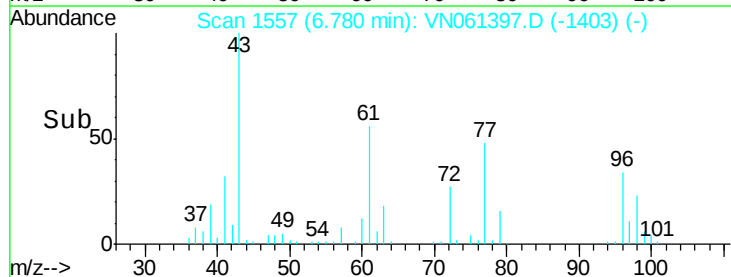
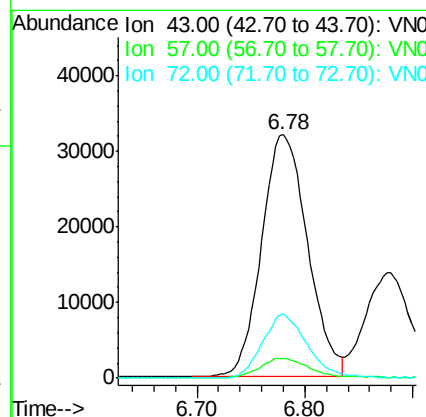
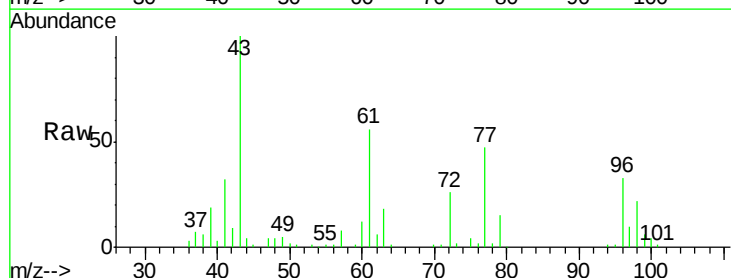
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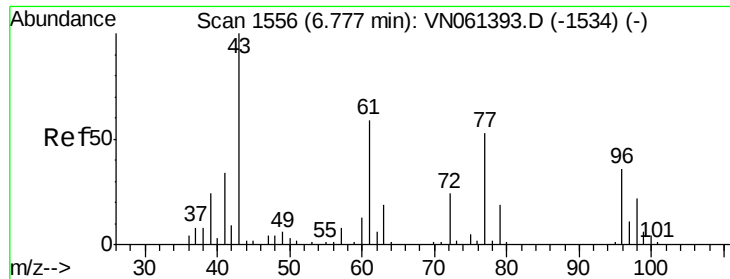
MMDadoda
 5/15/2020 2:10:48 PM



#30
 2-Butanone
 Concen: 98.416 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion:	43	Resp:	94727
Ion Ratio	Lower	Upper	
43	100		
57	8.8	6.5	9.7
72	25.6	20.1	30.1





#31

2,2-Dichloropropane

Concen: 19.739 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

ICVVN051420

Tot Ion: 77 Resp: 52471

Ion Ratio Lower Upper

77 100

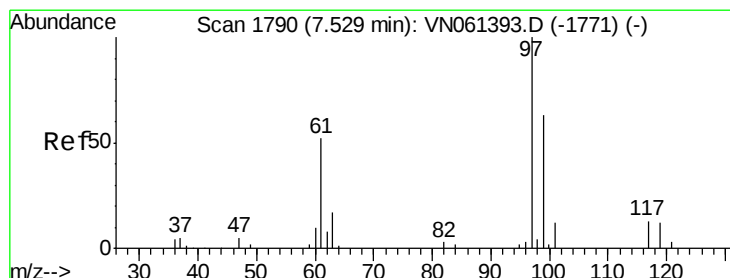
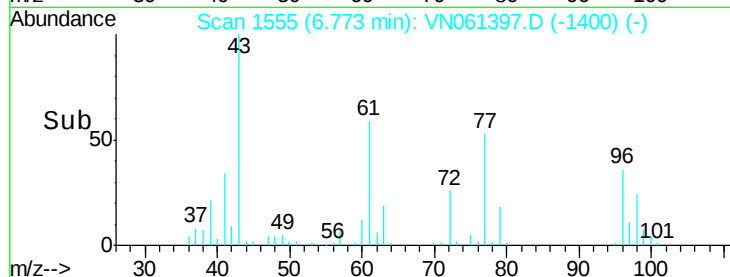
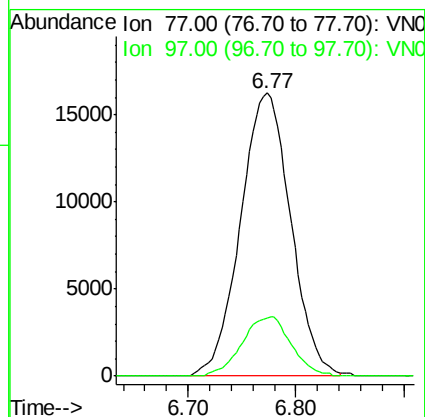
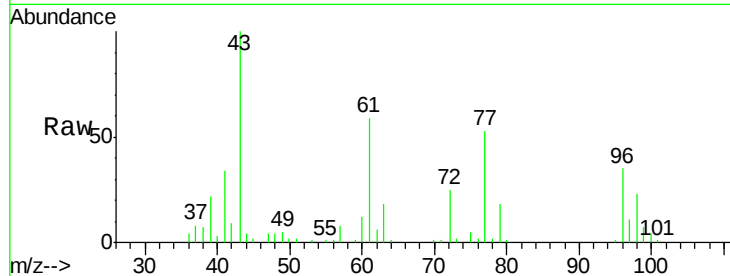
97 20.6 17.9 26.9

Manual Integrations

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MMDadoda

5/15/2020 2:10:48 PM



#32

1,1,1-Trichloroethane

Concen: 19.671 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

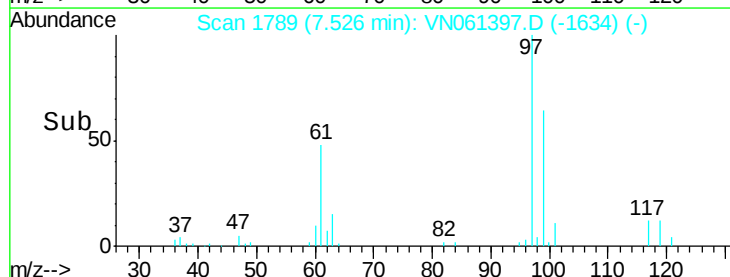
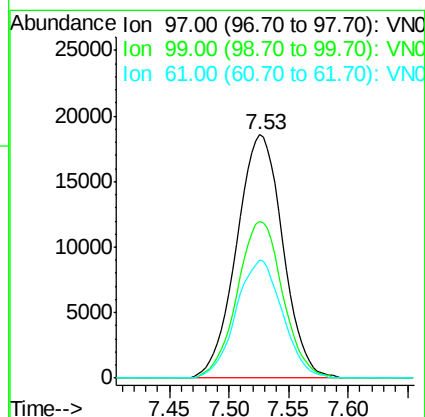
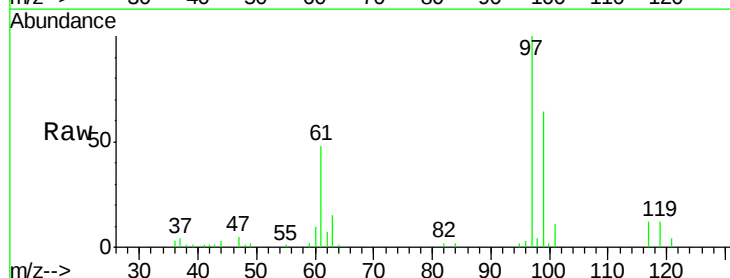
Tgt Ion: 97 Resp: 50079

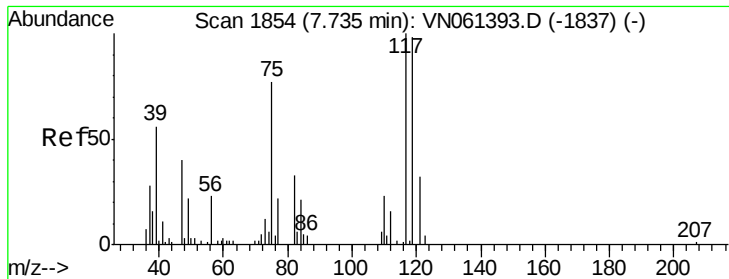
Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

61 48.5 38.4 57.6





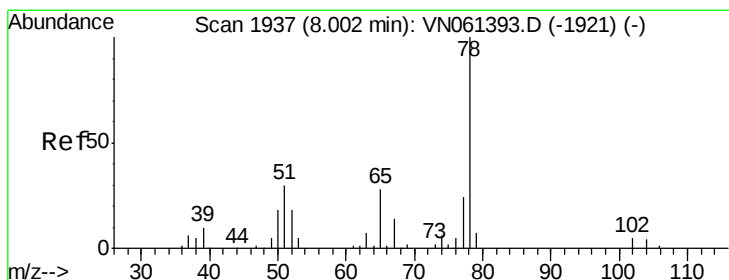
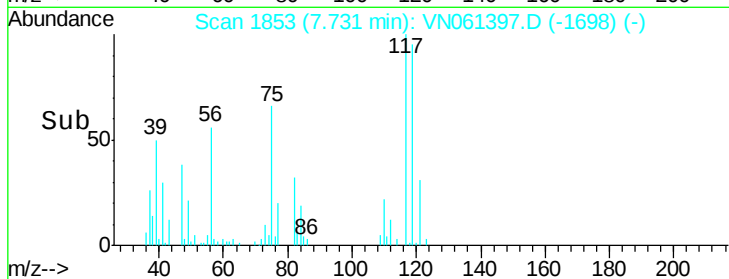
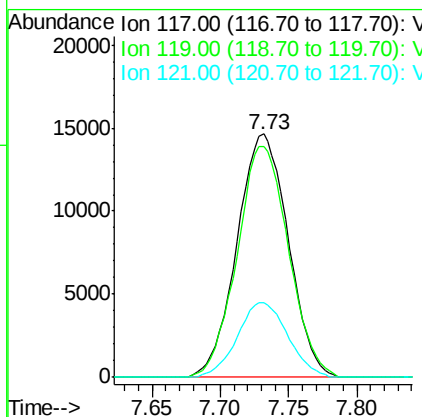
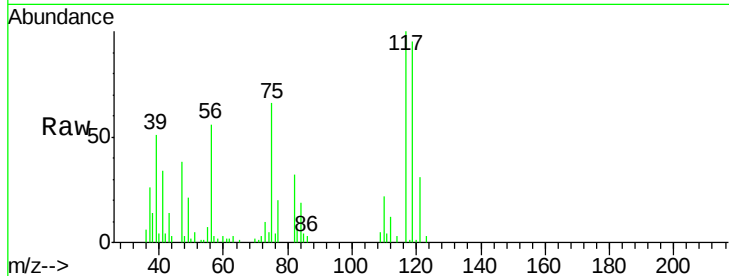
#33
Carbon Tetrachloride
Concen: 19.523 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.9	115.3
121	30.6	23.8	35.8

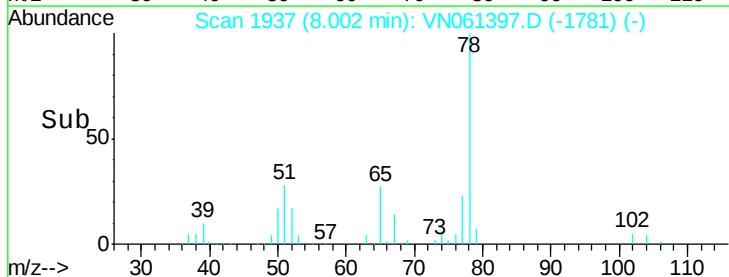
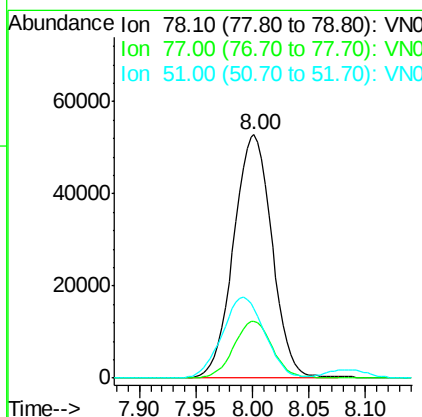
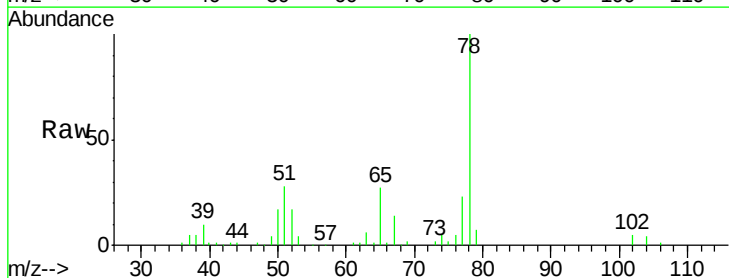
Manual Integrations
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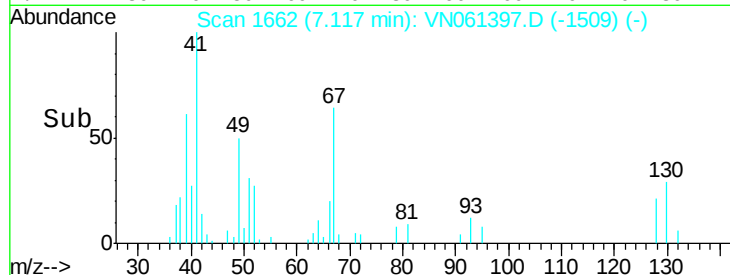
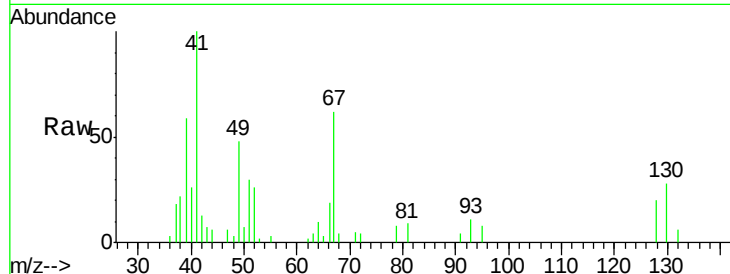
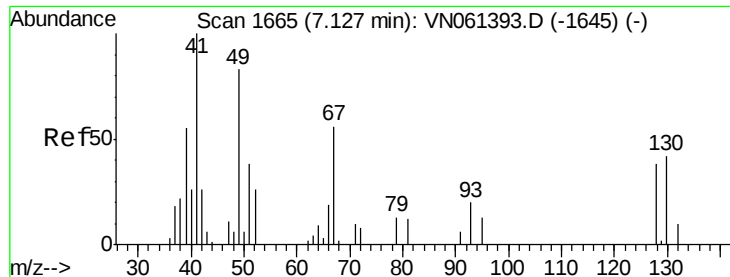
MMDadoda
5/15/2020 2:10:48 PM



#34
Benzene
Concen: 19.424 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8
51	27.8	22.1	33.1





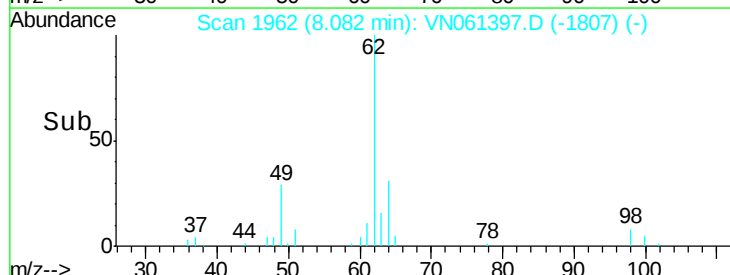
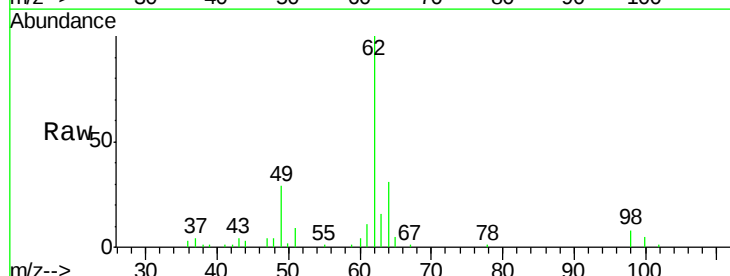
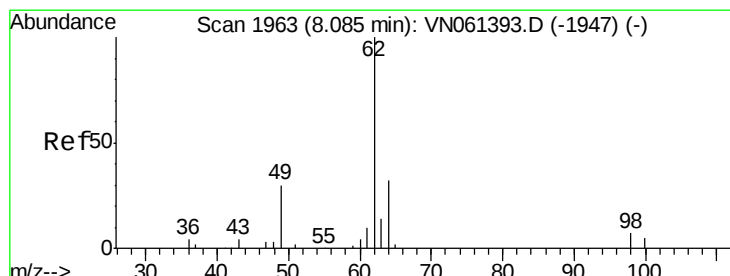
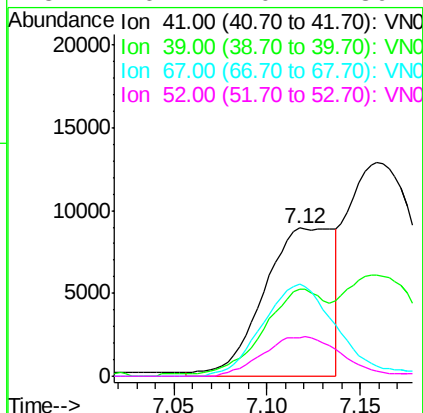
#35
Methacrylonitrile
Concen: 24.138 ug/l m
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tot Ion:	41	Resp:	23303
Ion Ratio	Lower	Upper	
41	100		
39	59.1	25.8	77.4
67	62.0	23.0	69.0
52	26.2	10.1	30.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

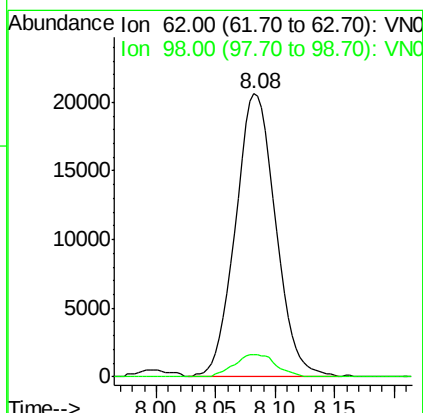
Manual Integrations
APPROVED

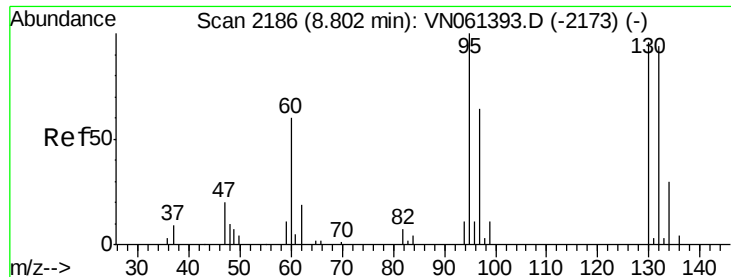
MMDadoda
5/15/2020 2:10:48 PM



#36
1,2-Dichloroethane
Concen: 19.562 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion:	62	Resp:	48340
Ion Ratio	Lower	Upper	
62	100		
98	8.2	6.4	9.6





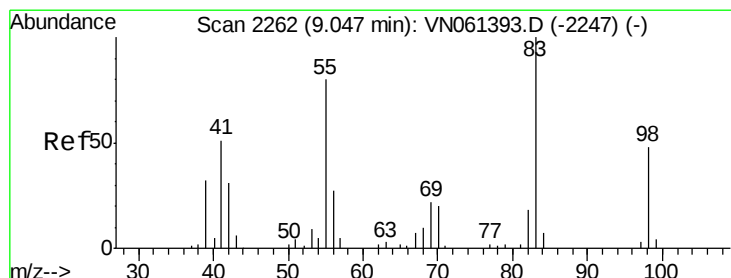
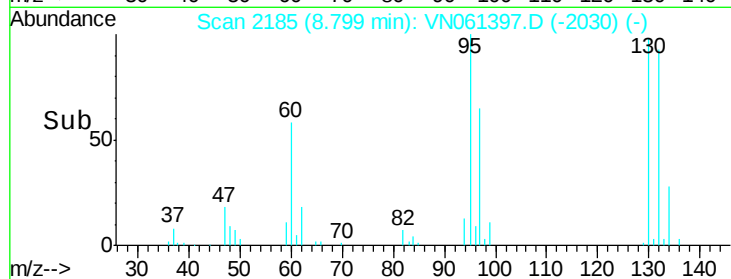
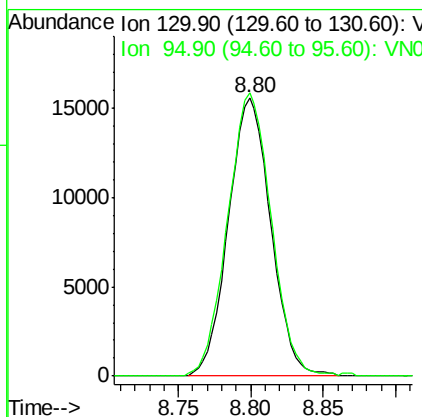
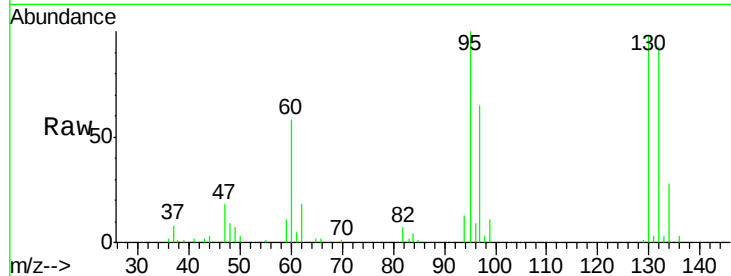
#37
 Trichloroethene
 Concen: 19.920 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion:130 Resp: 31574
 Ion Ratio Lower Upper
 130 100
 95 101.7 83.2 124.8

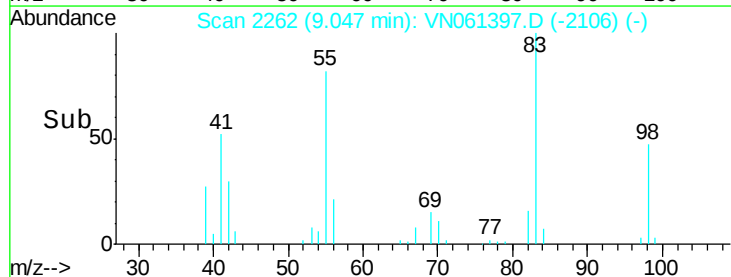
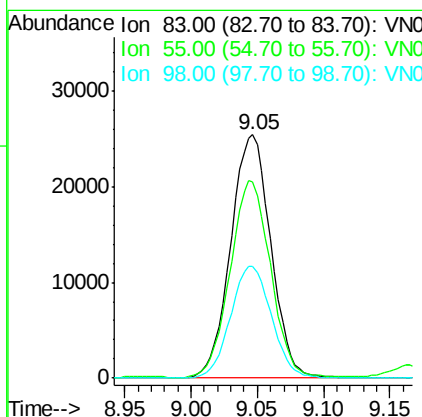
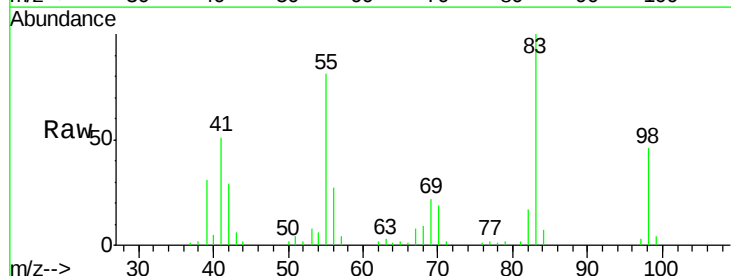
Manual Integrations
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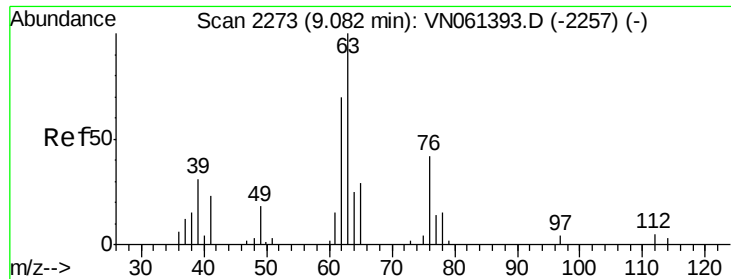
MMDadoda
 5/15/2020 2:10:48 PM



#38
 Methylcyclohexane
 Concen: 19.622 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion: 83 Resp: 53598
 Ion Ratio Lower Upper
 83 100
 55 82.0 40.4 121.1
 98 46.8 21.6 65.0





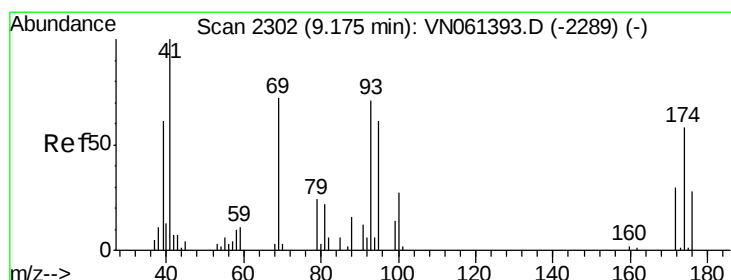
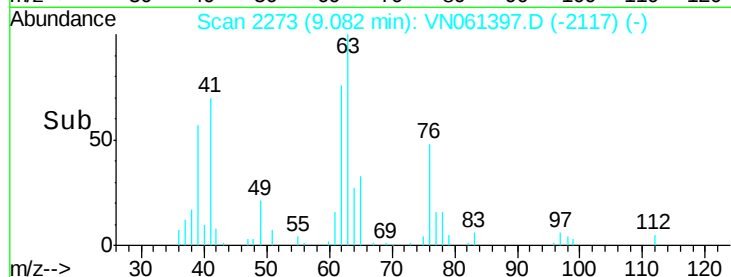
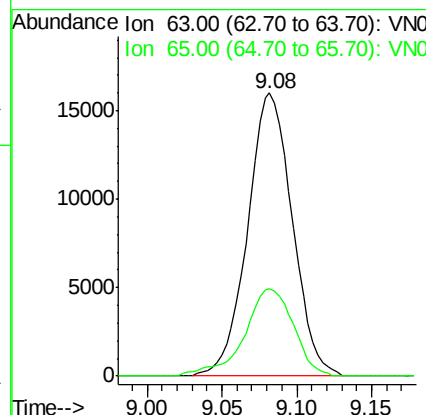
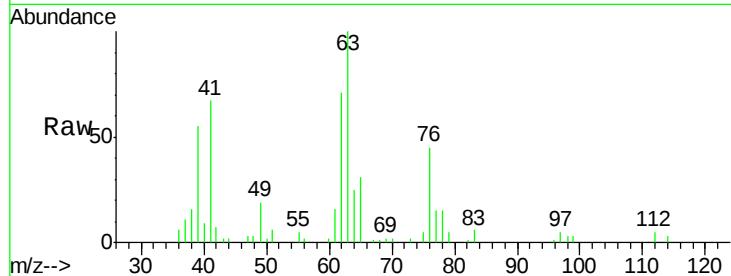
#39
 1,2-Dichloropropane
 Concen: 18.774 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.8	35.6

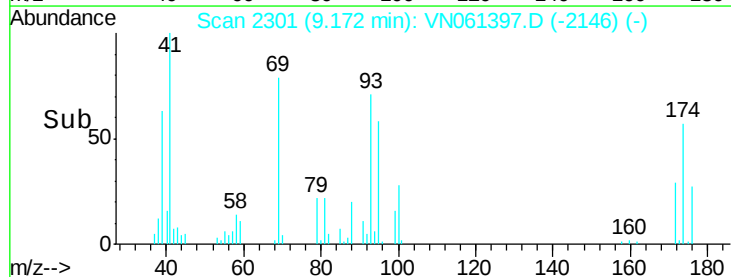
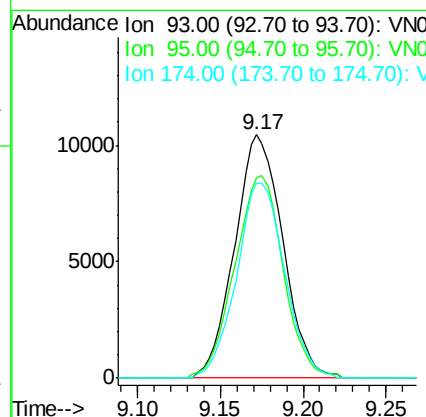
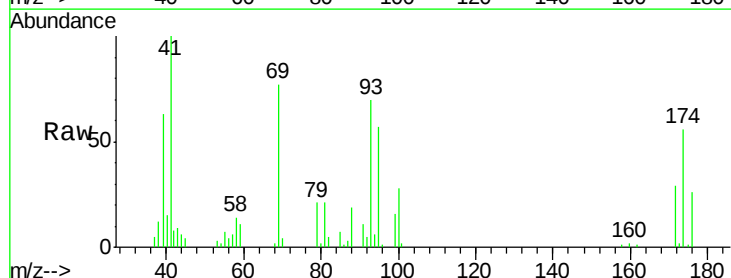
Manual Integrations
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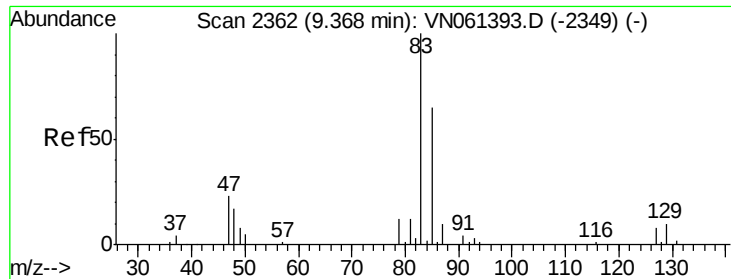
MMDadoda
 5/15/2020 2:10:48 PM



#40
 Dibromomethane
 Concen: 19.405 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	0.0	167.6
174	80.0	0.0	187.2





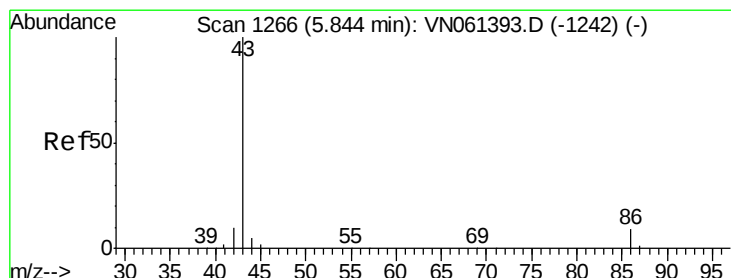
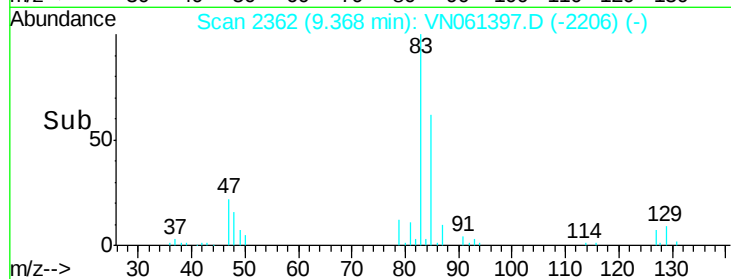
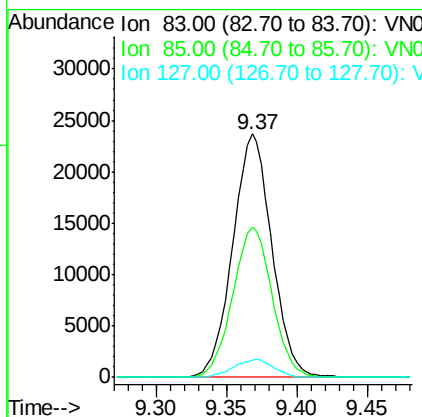
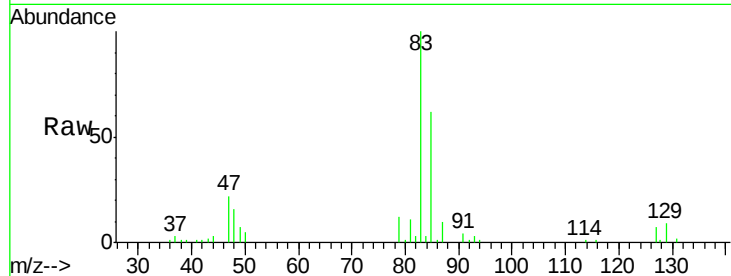
#41
 Bromodichloromethane
 Concen: 19.395 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	83	Resp	45991
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	51.0	76.4
127	7.0	6.6	9.8

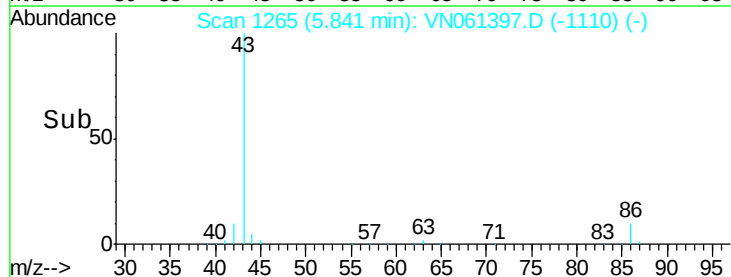
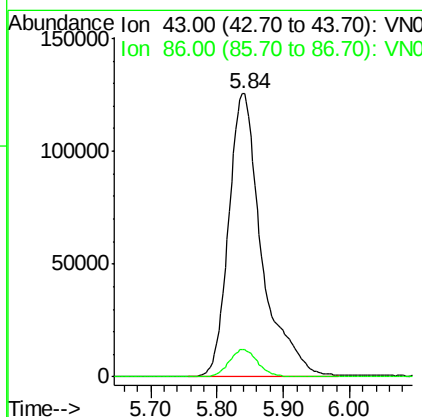
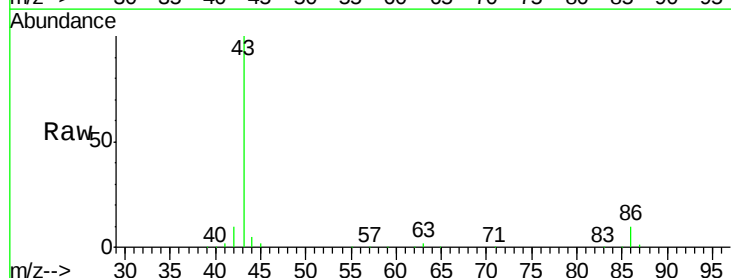
Manual Integrations
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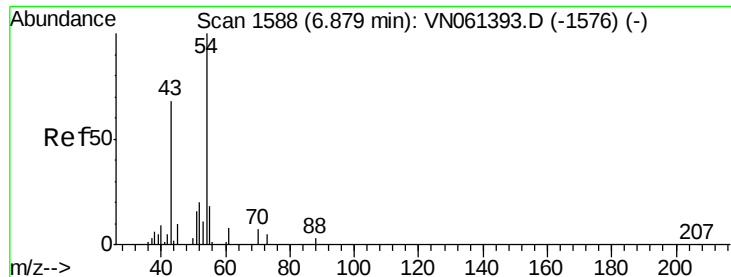
MMDadoda
 5/15/2020 2:10:48 PM



#42
 Vinyl Acetate
 Concen: 95.087 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	43	Resp	434633
Ion Ratio	100	Lower	Upper
43	100		
86	8.5	6.5	9.7





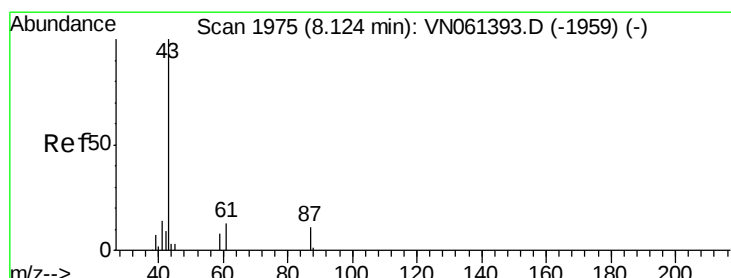
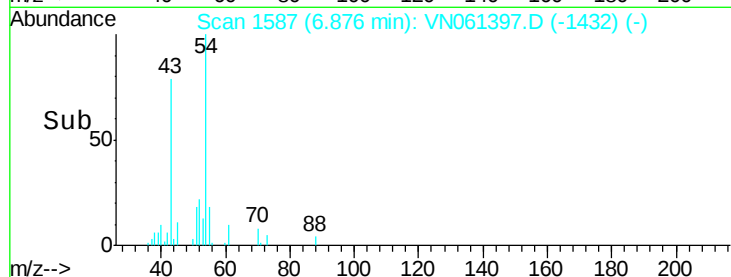
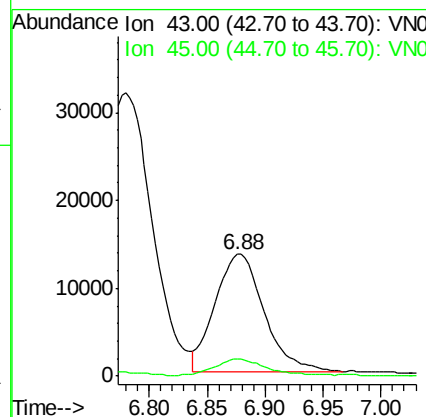
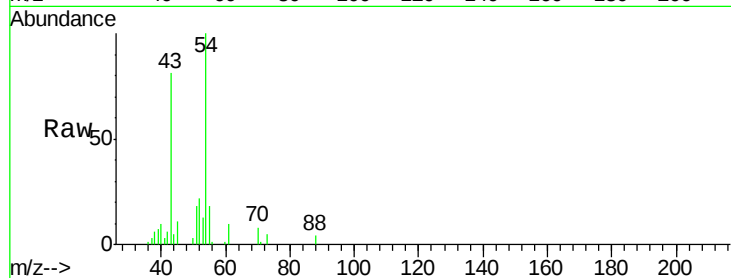
#43
Ethyl Acetate
Concen: 19.160 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion	43	Resp	39391
Ion Ratio	Lower	Upper	
43	100		
45	15.5	9.7	14.5#

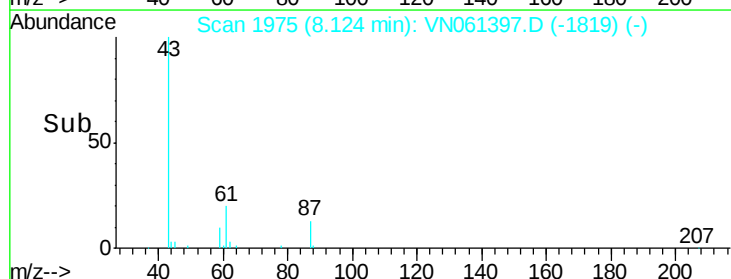
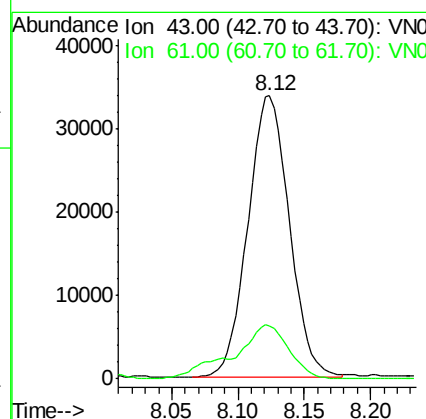
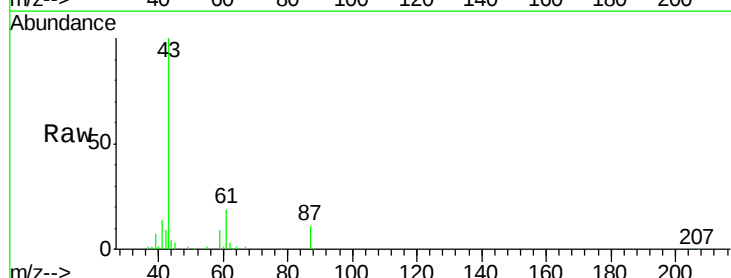
Manual Integrations
APPROVED

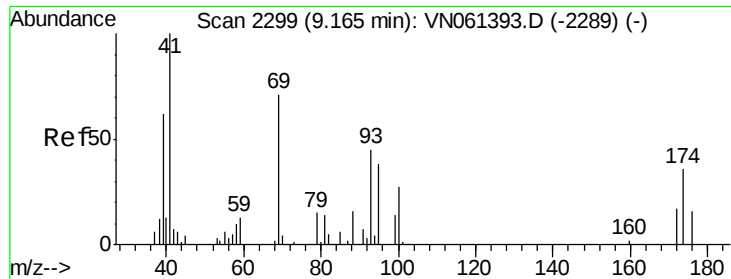
MMDadoda
5/15/2020 2:10:48 PM



#44
Isopropyl Acetate
Concen: 18.281 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	43	Resp	72972
Ion Ratio	Lower	Upper	
43	100		
61	19.7	19.9	29.9#





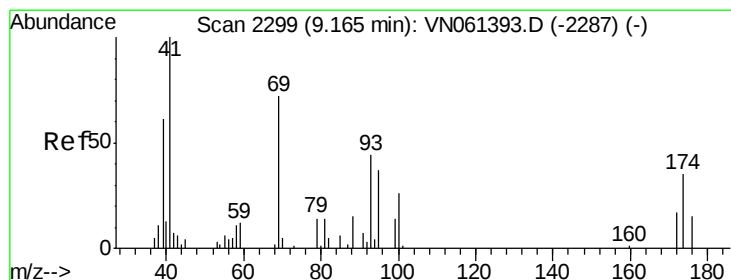
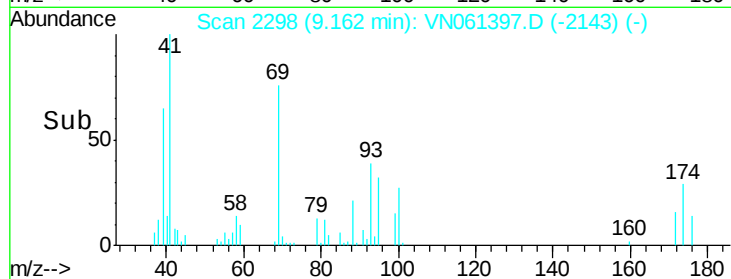
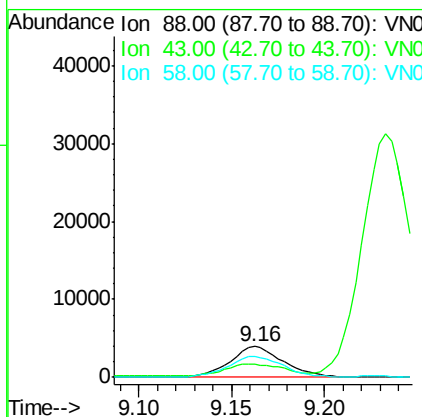
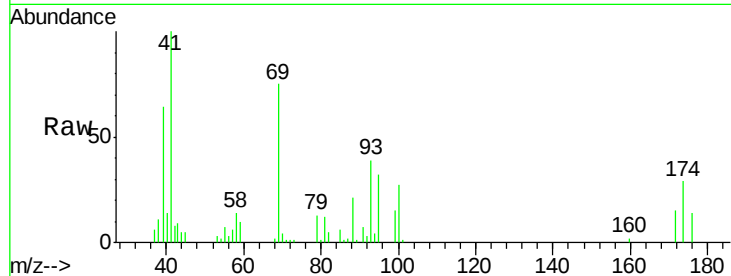
#45
 1,4-Dioxane
 Concen: 491.084 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	29.8	44.8
58	71.5	58.2	87.4

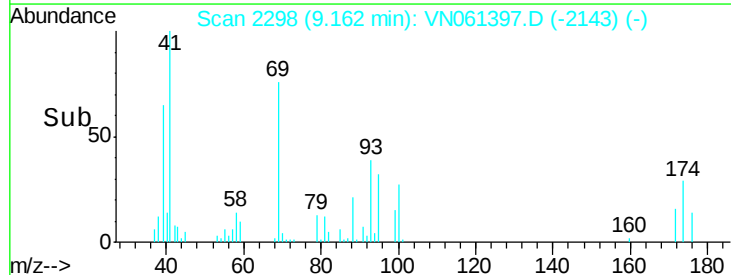
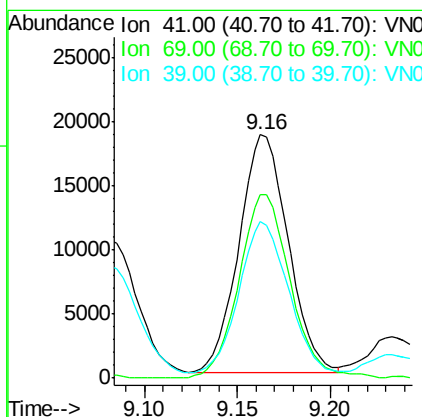
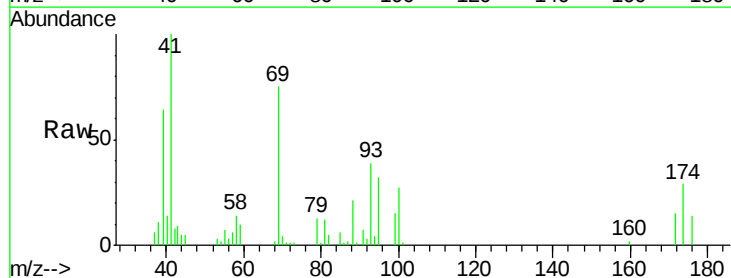
Manual Integrations
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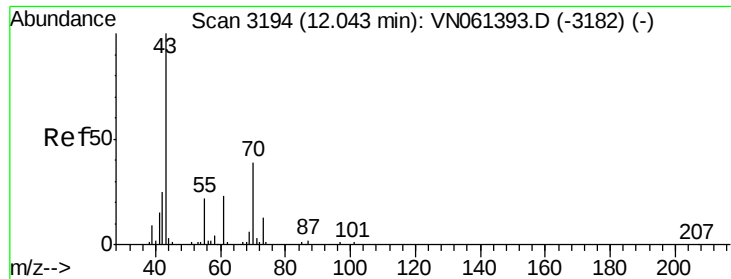
MMDadoda
 5/15/2020 2:10:48 PM



#46
 Methyl methacrylate
 Concen: 18.147 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.3	40.2	120.5
39	63.9	29.9	89.8





#47

n-amvl Acetate

Concen: 18.379 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051420

Tot Ion: 43 Resp: 65438

Ion Ratio Lower Upper

43 100

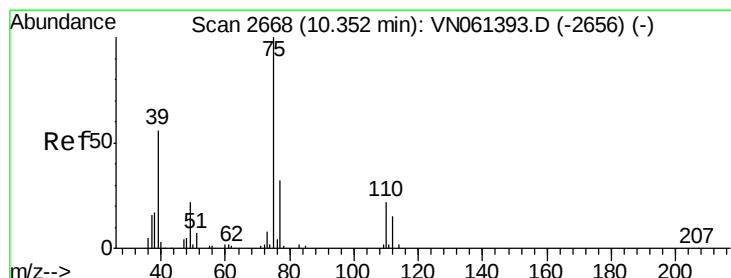
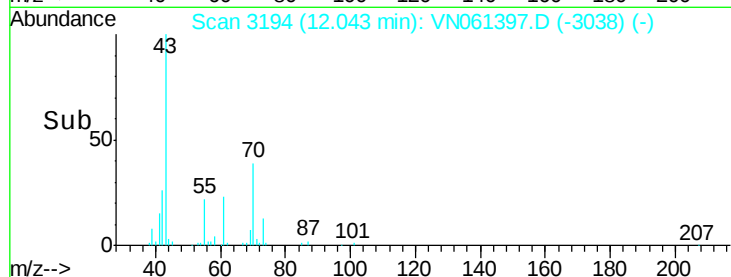
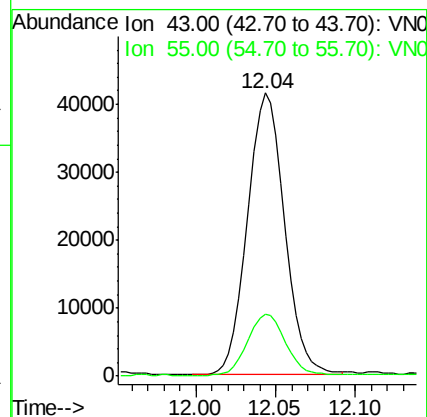
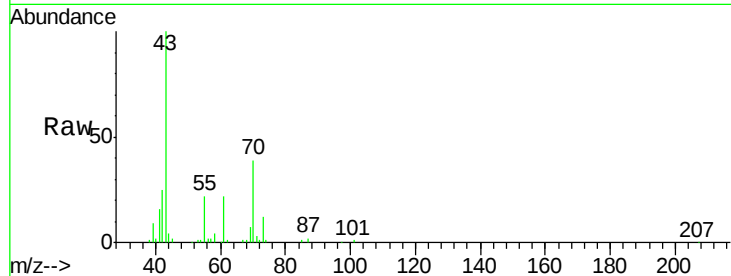
55 23.2 19.6 29.4

Manual Integrations

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5/15/2020 2:10:48 PM



#48

t-1,3-Dichloropropene

Concen: 18.988 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061397.D

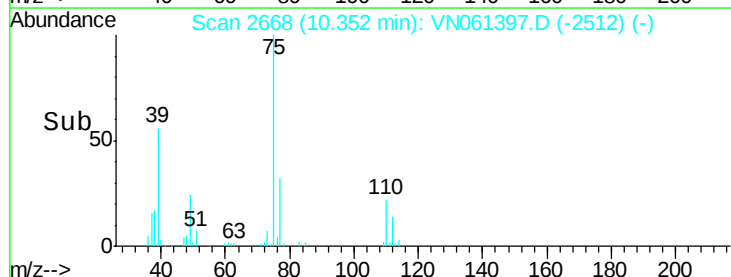
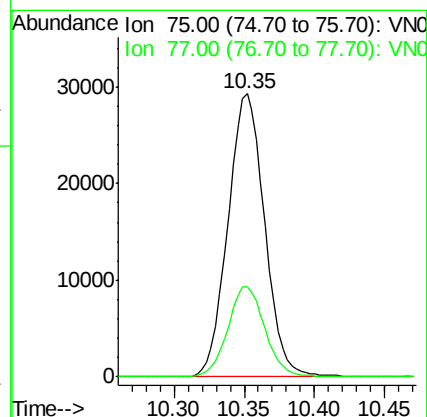
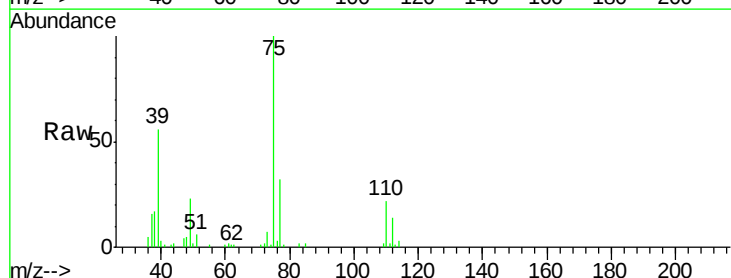
Acq: 14 May 2020 16:21

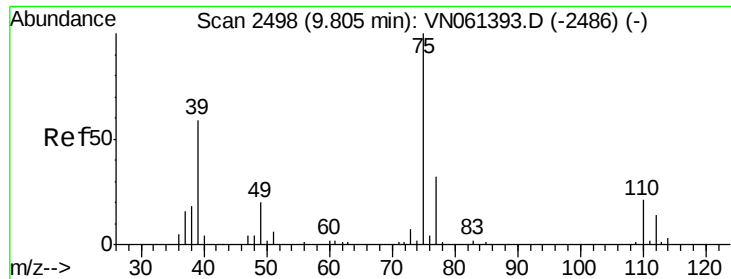
Tgt Ion: 75 Resp: 53133

Ion Ratio Lower Upper

75 100

77 32.0 27.0 40.4





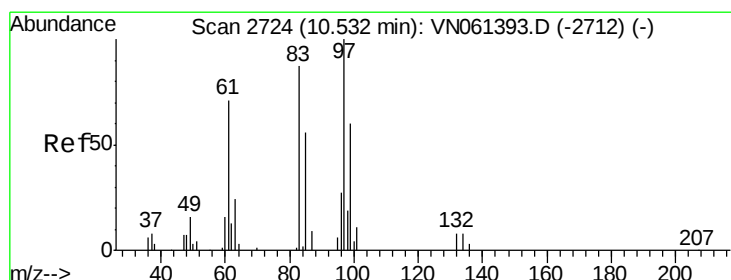
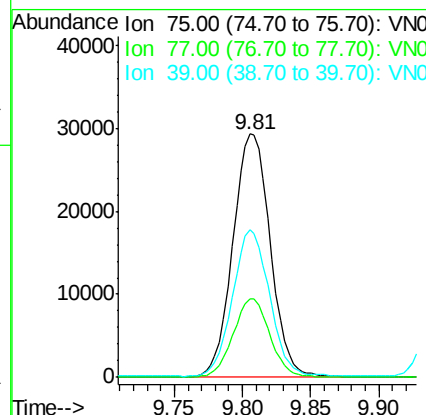
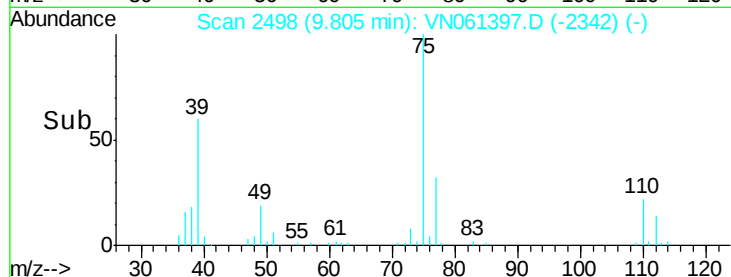
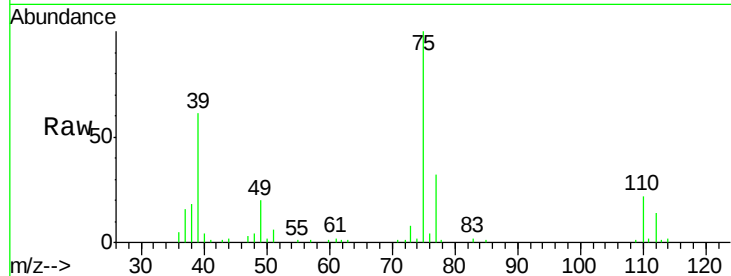
#49
 cis-1,3-Dichloropropene
 Concen: 18.886 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion:	75	Resp:	55901
Ion Ratio	Lower	Upper	
75	100		
77	32.1	26.1	39.1
39	60.1	43.1	64.7

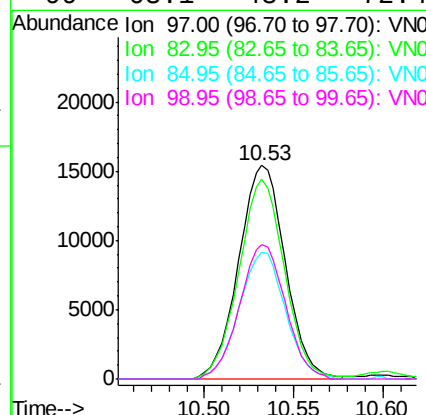
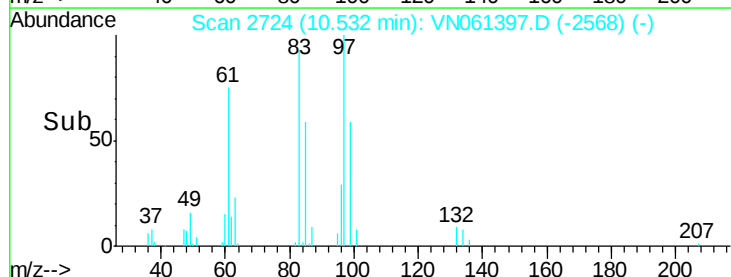
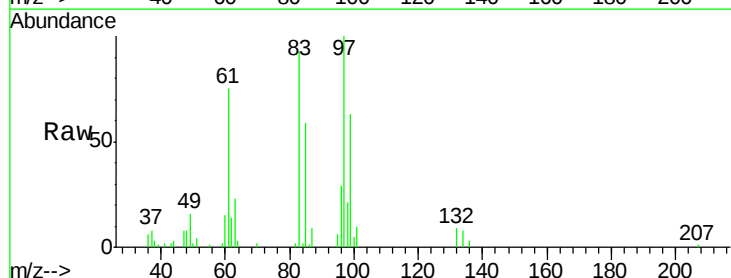
Manual Integrations
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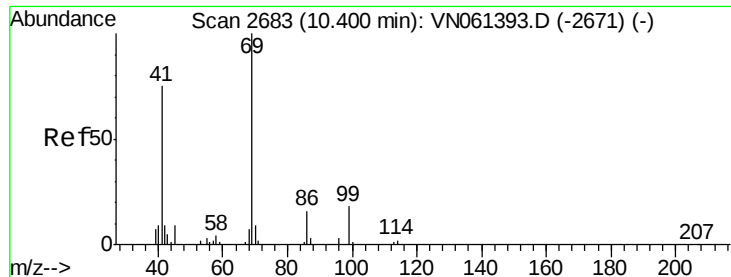
MMDadoda
 5/15/2020 2:10:48 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.621 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion:	97	Resp:	28143
Ion Ratio	Lower	Upper	
97	100		
83	93.3	70.7	106.1
85	59.2	45.1	67.7
99	63.1	48.2	72.4





#51

Ethyl methacrylate

Concen: 18.672 ug/l

RT: 10.40 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

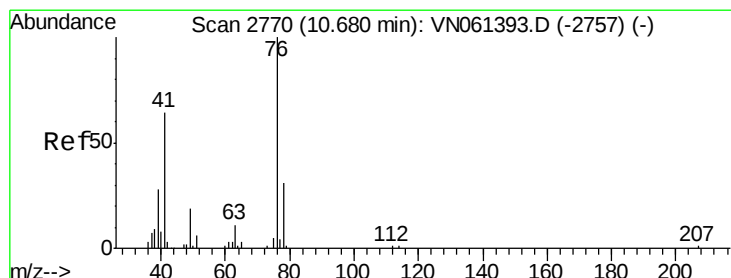
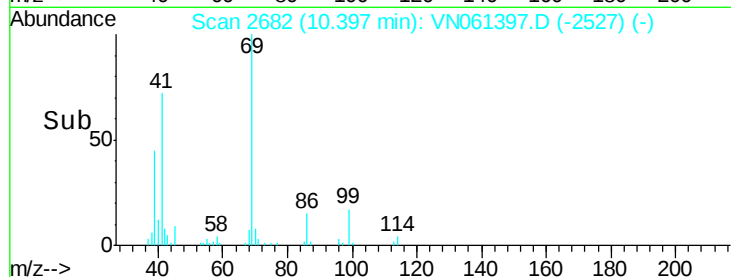
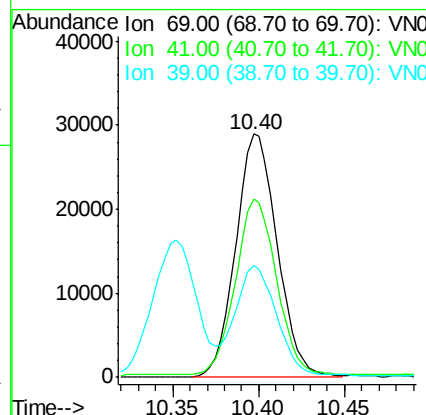
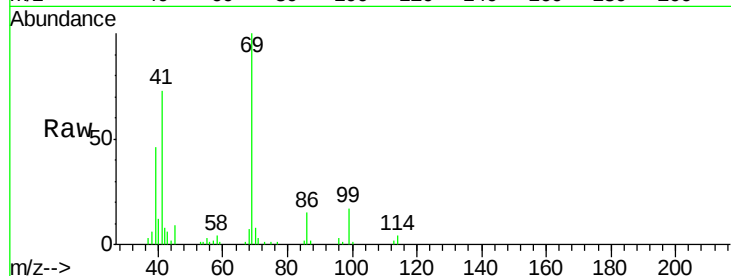
ClientSampleId :

ICVVN051420

Tot Ion:	69	Resp:	48618
Ion	Ratio	Lower	Upper
69	100		
41	72.2	34.7	104.1
39	44.7	20.3	60.8

Manual Integrations
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5/15/2020 2:10:48 PM



#52

1,3-Dichloropropane

Concen: 19.228 ug/l

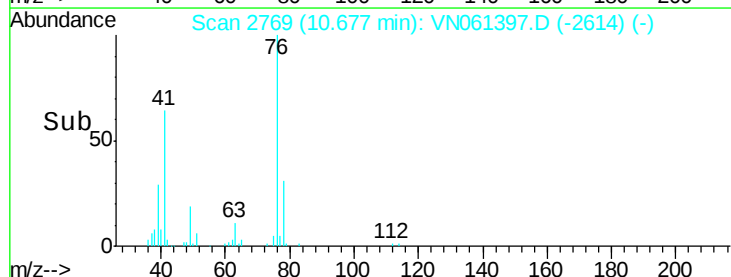
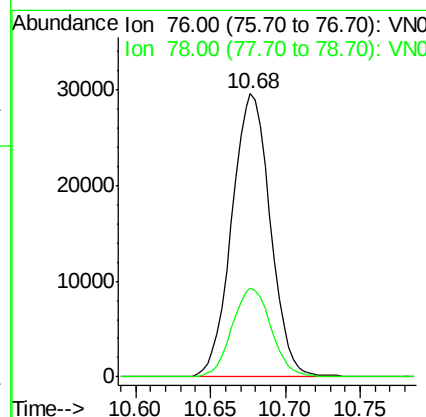
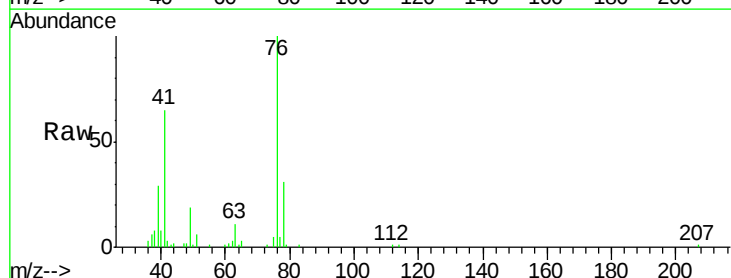
RT: 10.68 min Scan# 2769

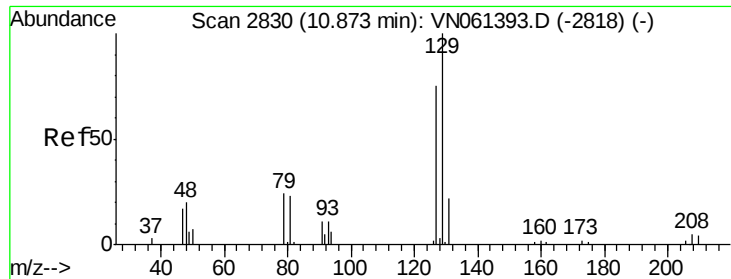
Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion:	76	Resp:	53063
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.2





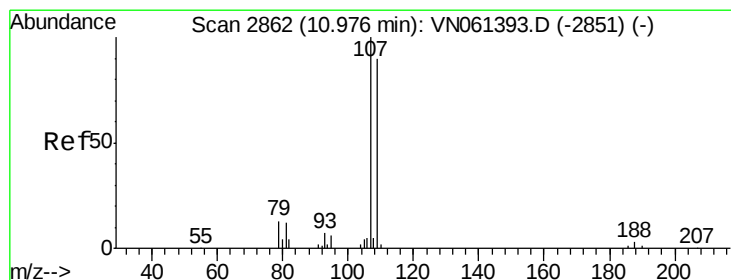
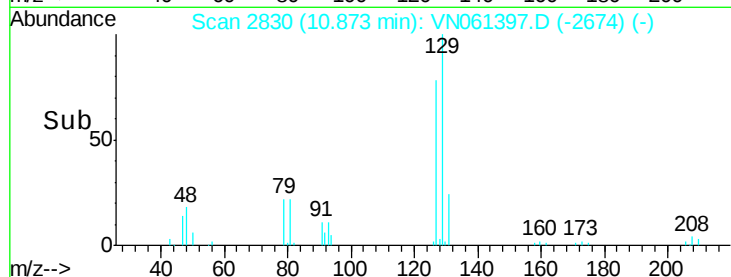
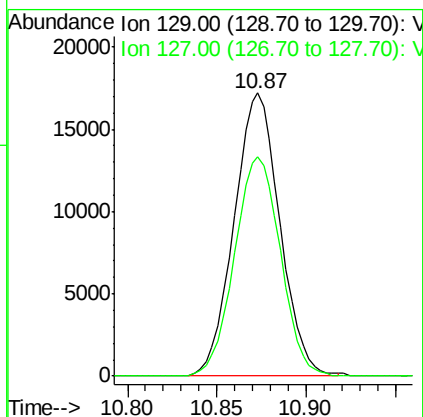
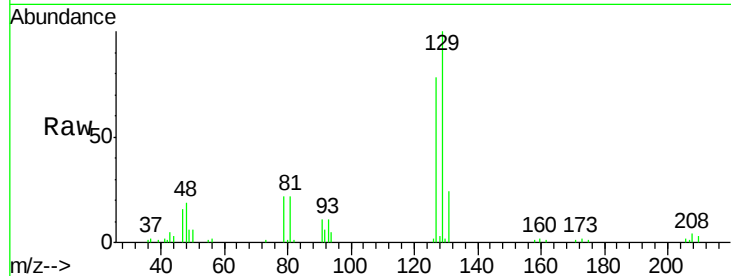
#53
 Dibromochloromethane
 Concen: 18.610 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.5

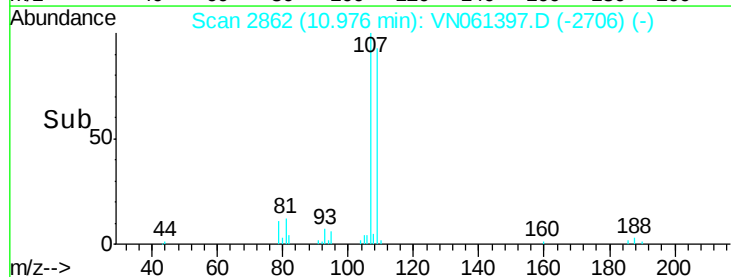
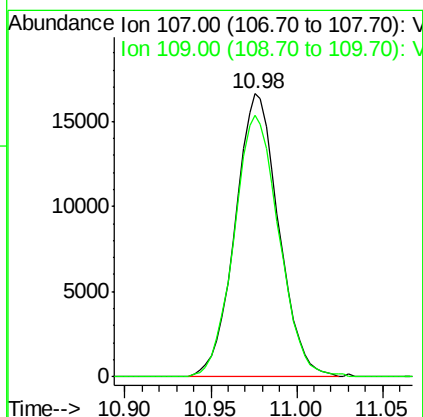
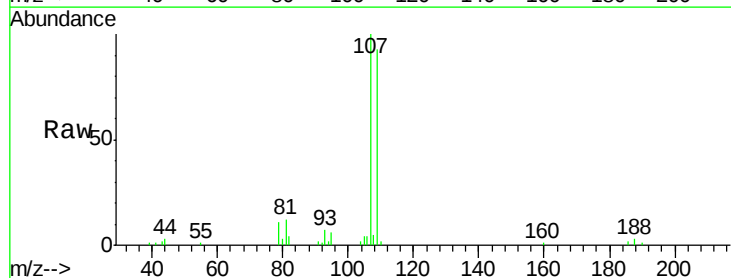
Manual Integrations
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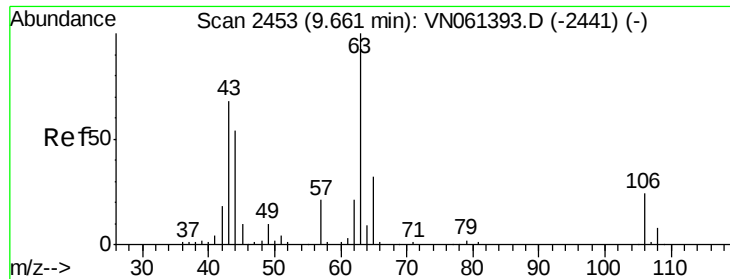
MMDadoda
 5/15/2020 2:10:48 PM



#54
 1,2-Dibromoethane
 Concen: 18.756 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.2	114.4





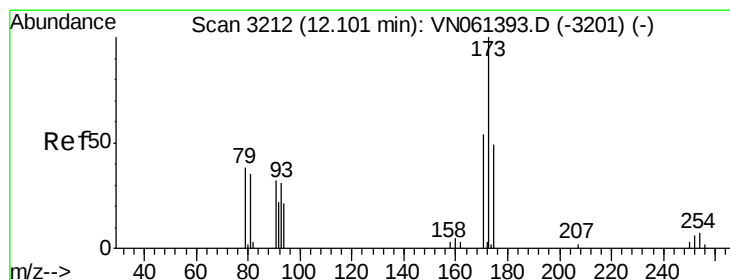
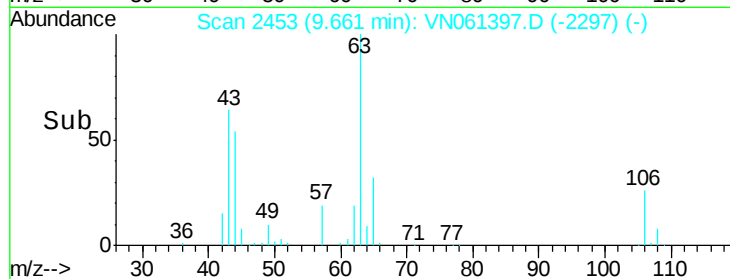
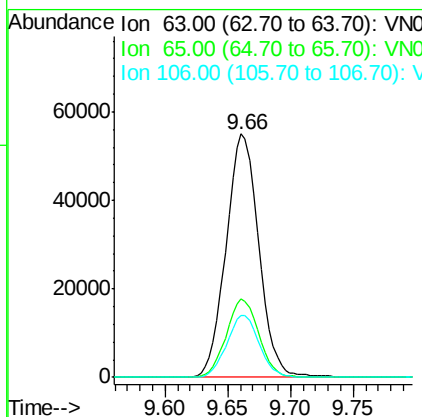
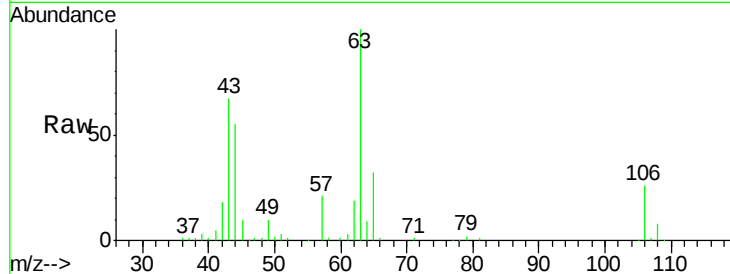
#55
2-Chloroethyl vinyl ether
Concen: 86.513 ug/l
RT: 9.66 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion:	63	Resp:	99694
Ion Ratio	Lower	Upper	
63	100		
65	31.9	25.3	37.9
106	25.3	19.8	29.6

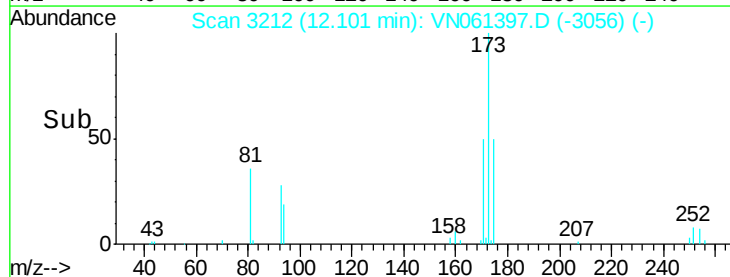
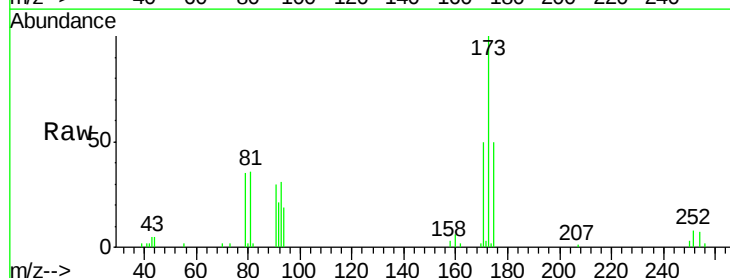
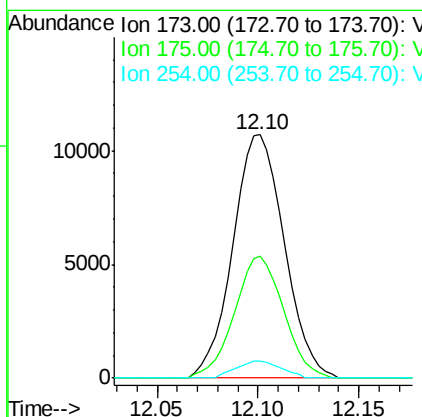
Manual Integrations
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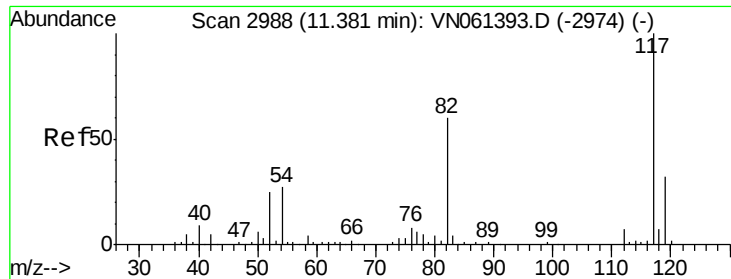
MMDadoda
5/15/2020 2:10:48 PM



#56
Bromoform
Concen: 18.357 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion:	173	Resp:	19118
Ion Ratio	Lower	Upper	
173	100		
175	47.8	38.7	58.1
254	6.1	7.4	11.2#





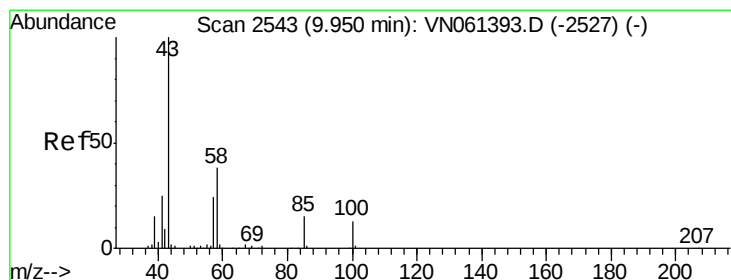
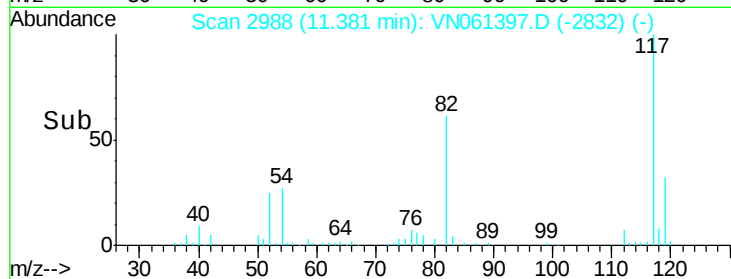
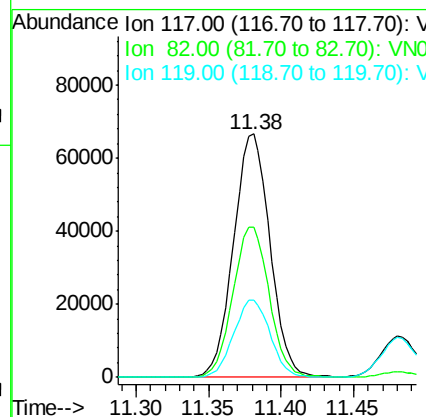
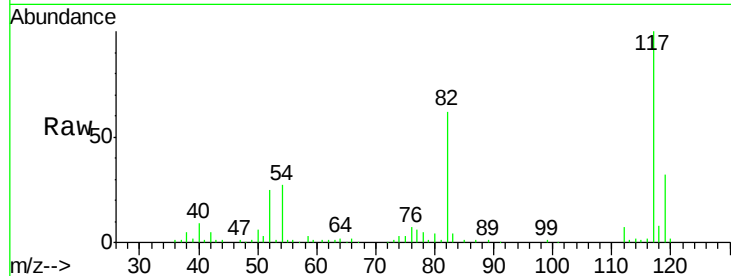
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion	Ratio	Resp	Lower	Upper
117	100	116550		
82	61.5	46.9	70.3	
119	31.8	25.8	38.6	

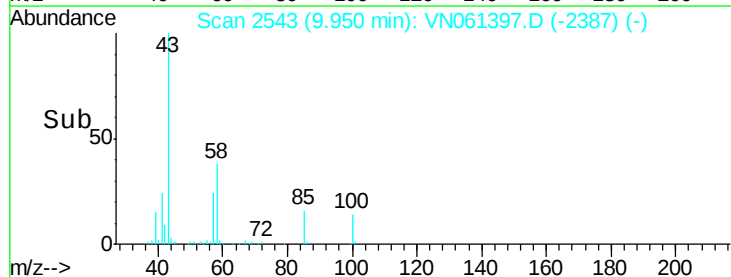
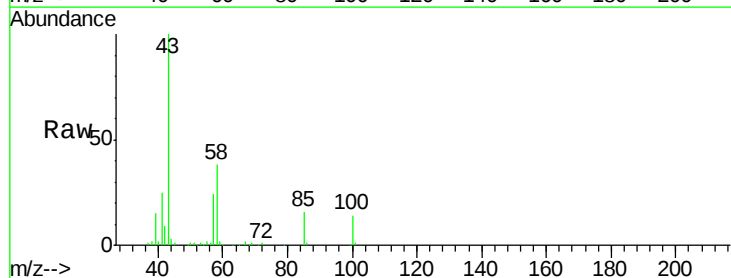
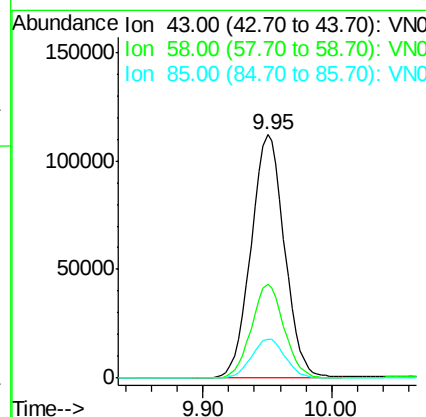
Manual Integrations
APPROVED

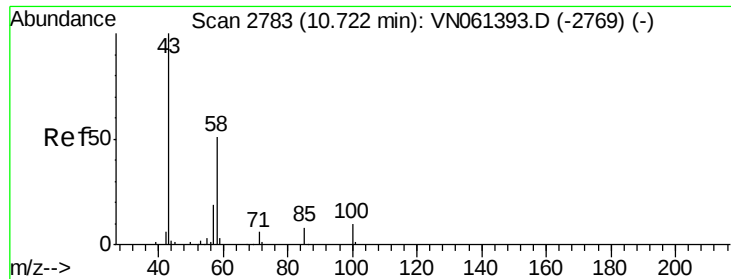
MMDadoda
5/15/2020 2:10:48 PM



#58
4-Methyl-2-Pentanone
Concen: 95.058 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	201888		
58	37.9	30.1	45.1	
85	16.2	13.2	19.8	





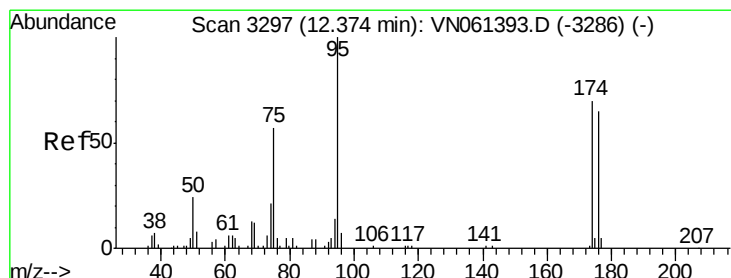
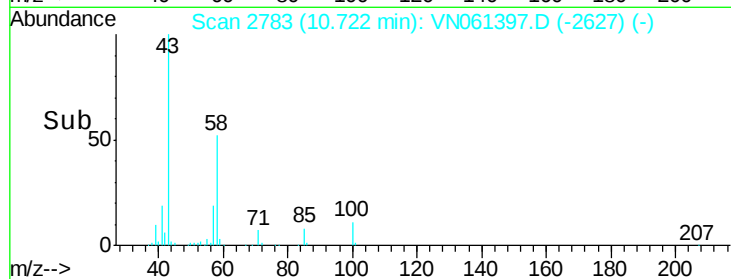
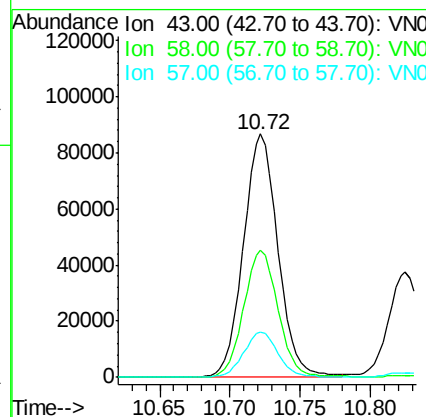
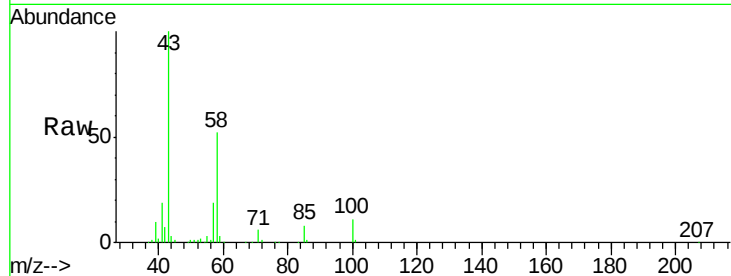
#59
2-Hexanone
Concen: 98.231 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.4	62.0
57	18.7	14.7	22.1

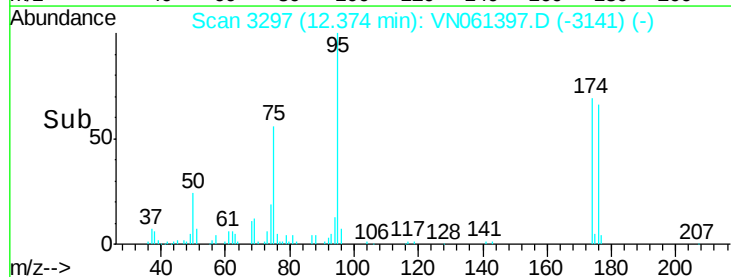
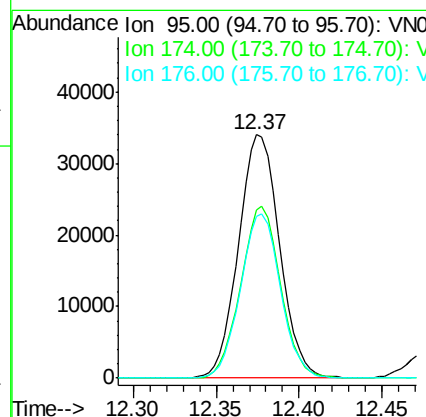
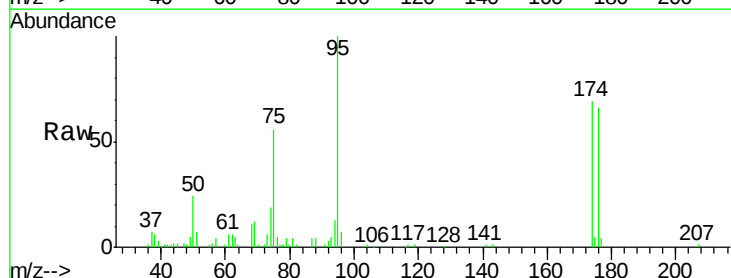
Manual Integrations
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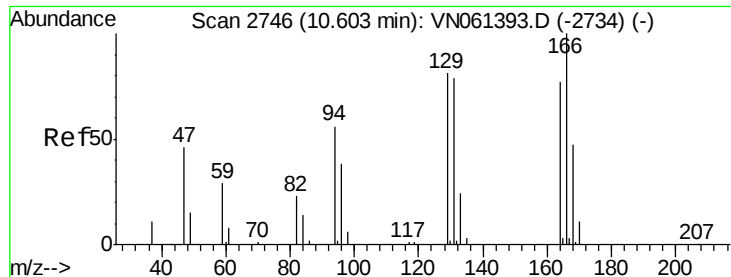
MMDadoda
5/15/2020 2:10:48 PM



#60
4-Bromofluorobenzene
Concen: 29.482 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.1	59.9	89.9
176	65.6	58.3	87.5





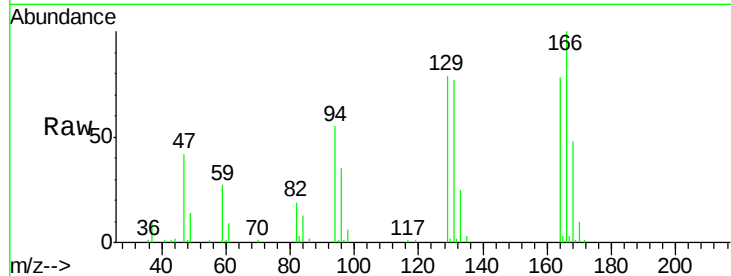
#61
Tetrachloroethene
Concen: 19.699 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.4	152.2
129	102.1	78.1	117.1
131	98.5	73.2	109.8

Manual Integrations
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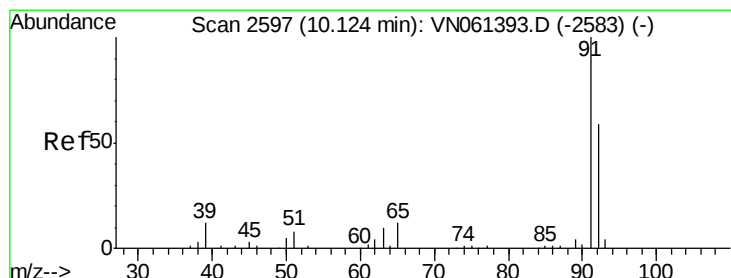
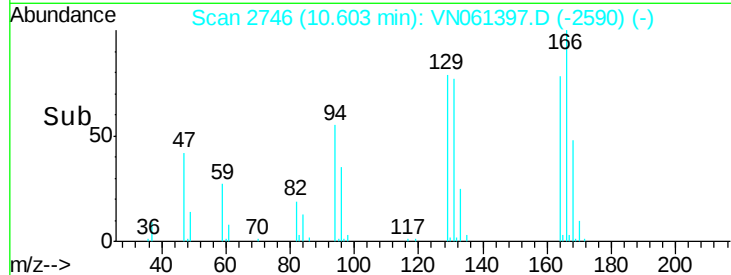
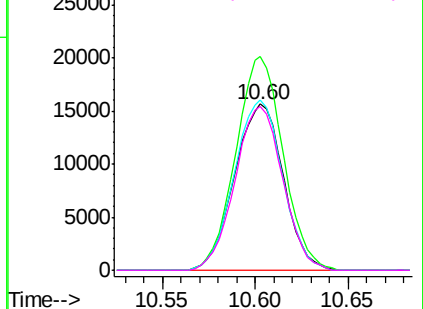
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

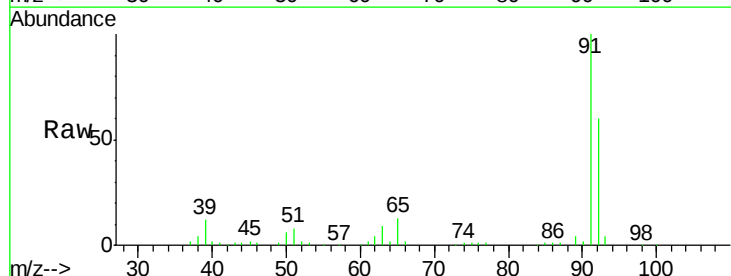
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 19.510 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

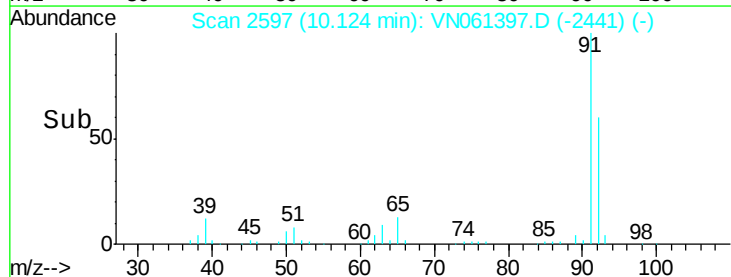
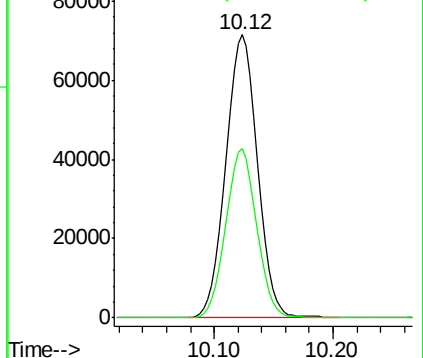
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.1	45.4	68.2

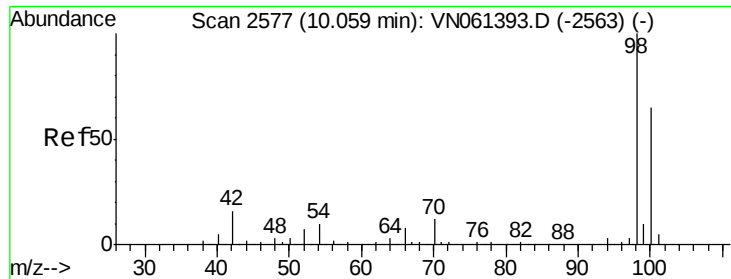


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.550 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

ICV051420

Tot Ion: 98 Resp: 164861

Ion Ratio Lower Upper

98 100

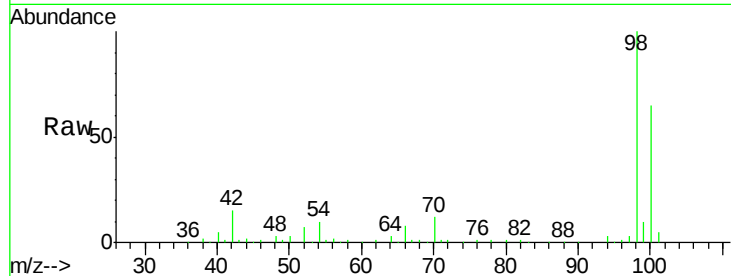
100 64.5 50.6 75.8

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Abundance Ion 98.00 (97.70 to 98.70): VN061397.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061397.D (-2563) (-)

10.06

80000

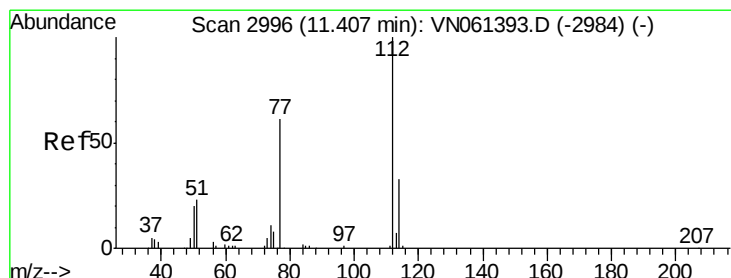
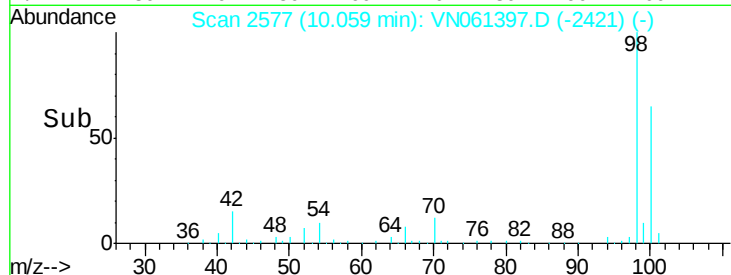
60000

40000

20000

0

Time-->



#64

Chlorobenzene

Concen: 19.528 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061397.D

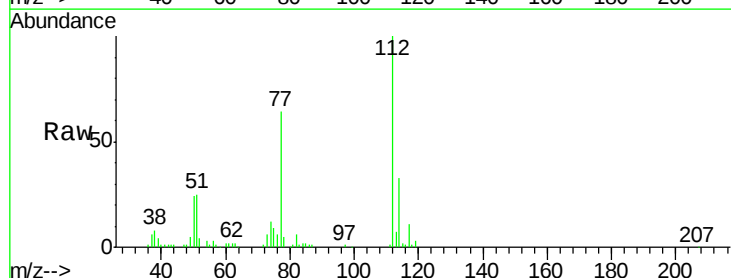
Acq: 14 May 2020 16:21

Tgt Ion: 112 Resp: 78109

Ion Ratio Lower Upper

112 100

114 33.1 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061397.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN061397.D (-2984) (-)

11.41

50000

40000

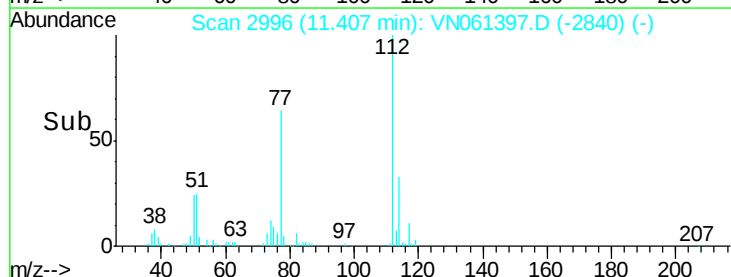
30000

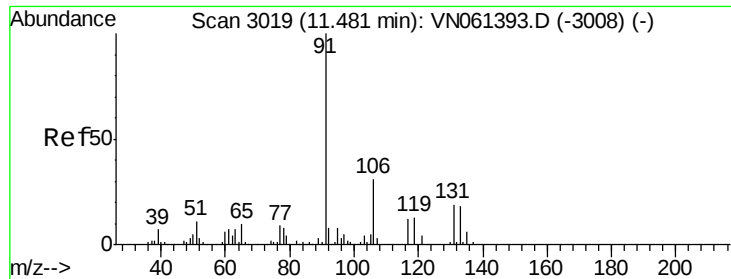
20000

10000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.323 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

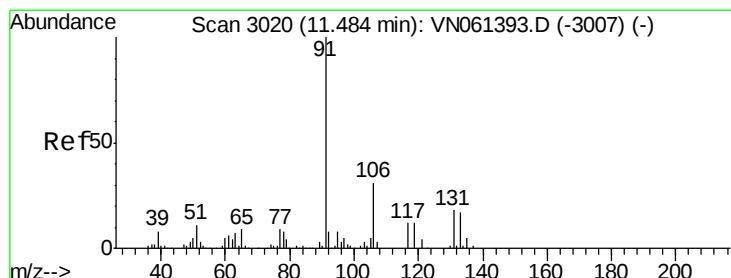
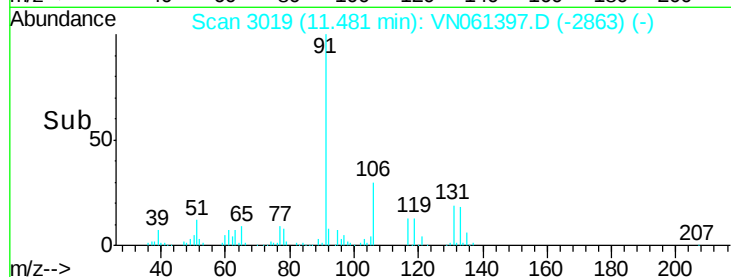
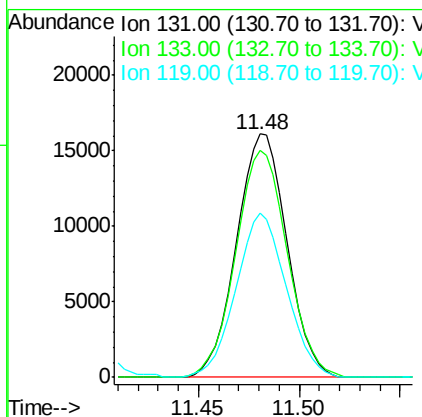
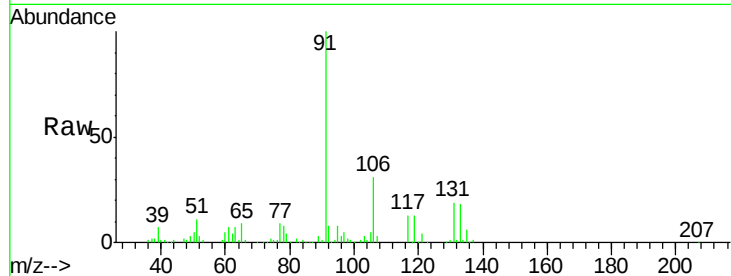
ClientSampleId :

ICVVN051420

Tot Ion:	131	Resp:	28242
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	194.0
119	67.2	0.0	136.8

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#66

Ethyl Benzene

Concen: 19.249 ug/l

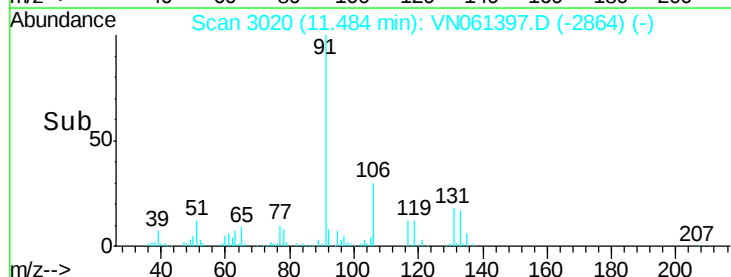
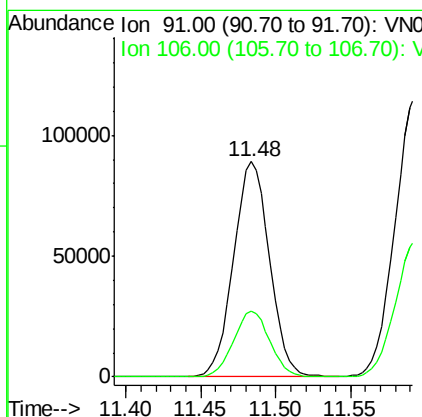
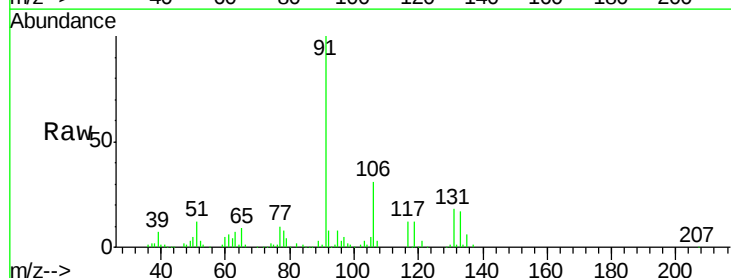
RT: 11.48 min Scan# 3020

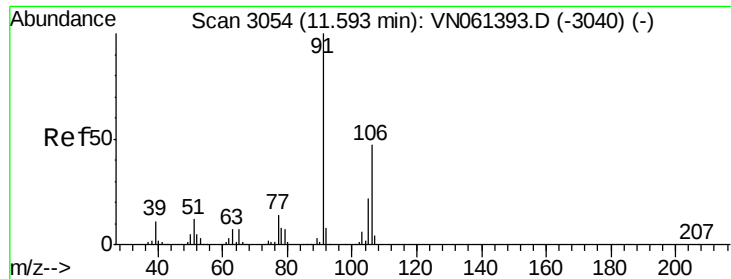
Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion:	91	Resp:	149285
Ion Ratio	Lower	Upper	
91	100		
106	30.8	24.2	36.4





#67

m/p-Xvlenes

Concen: 38.489 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

ICVVN051420

Tot Ion:106 Resp: 110231

Ion Ratio Lower Upper

106 100

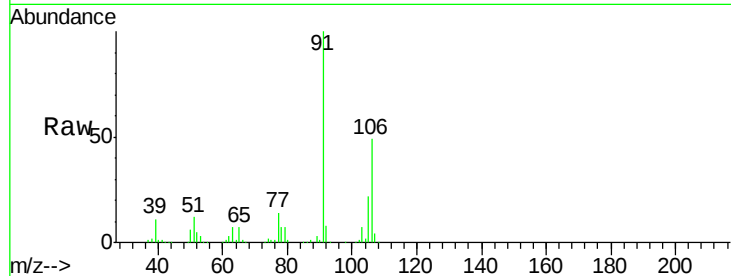
91 208.3 165.6 248.4

Manual Integrations

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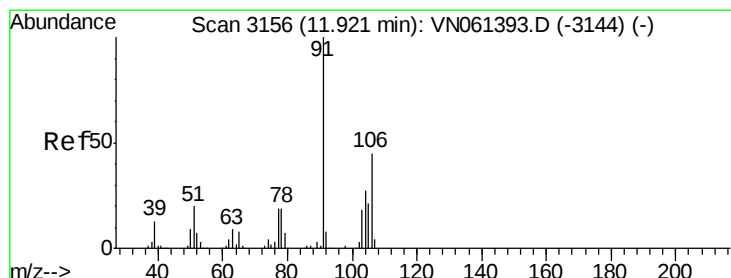
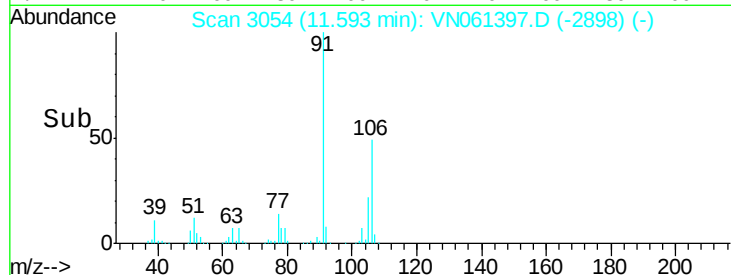
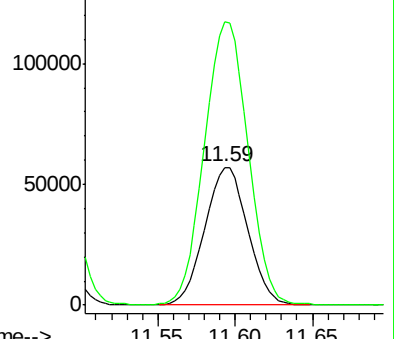
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.472 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061397.D

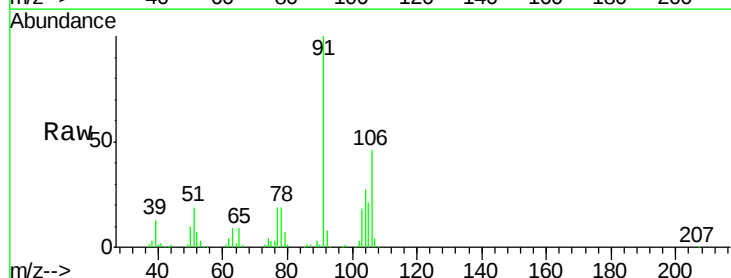
Acq: 14 May 2020 16:21

Tgt Ion:106 Resp: 53222

Ion Ratio Lower Upper

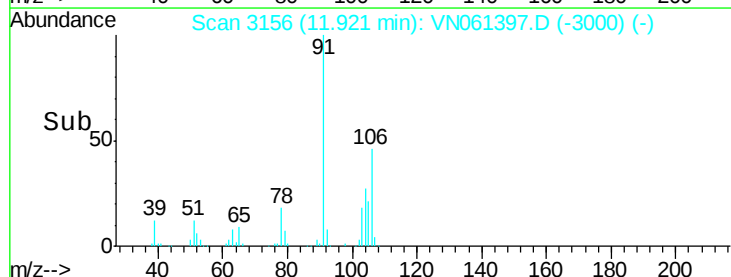
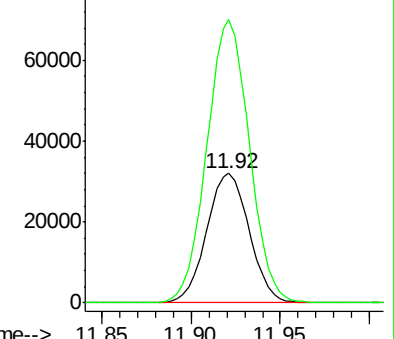
106 100

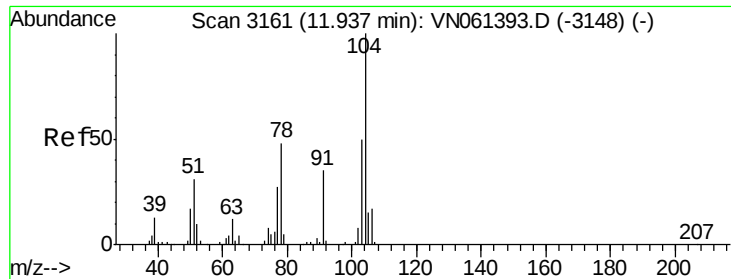
91 218.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





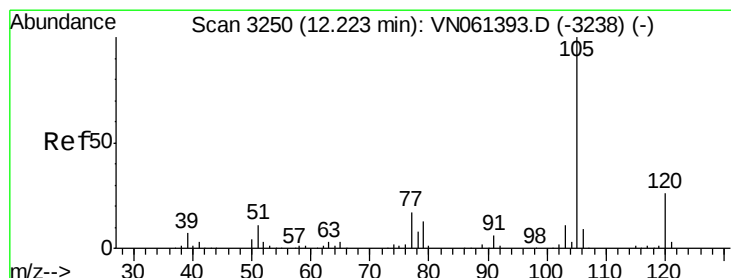
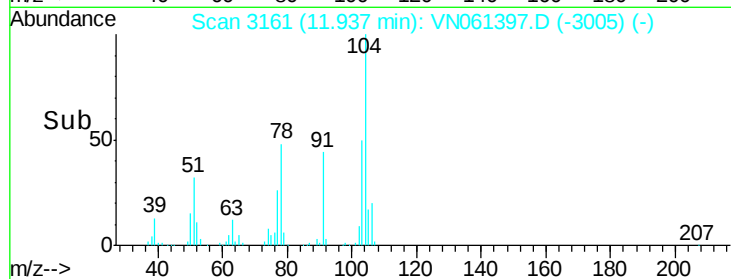
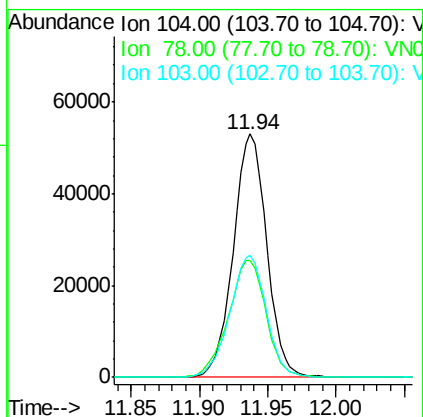
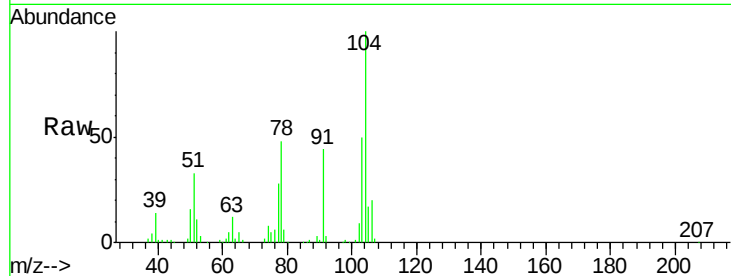
#69
Stvrene
Concen: 19.185 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.4	63.6
103	54.3	44.6	66.8

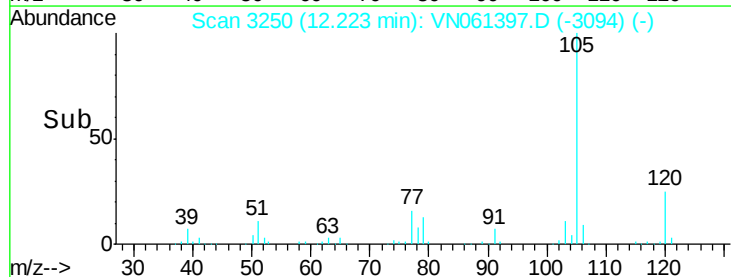
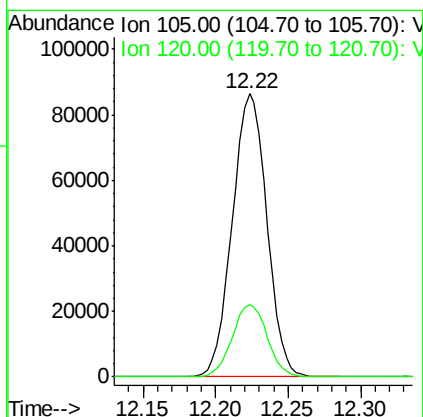
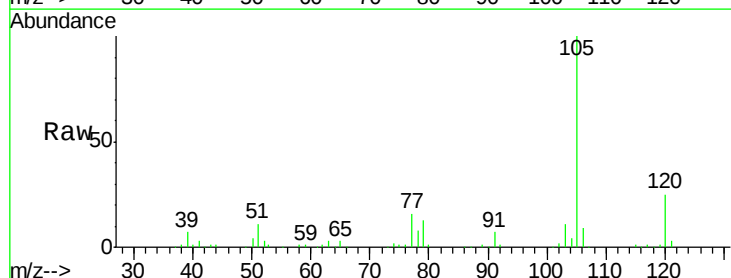
Manual Integrations
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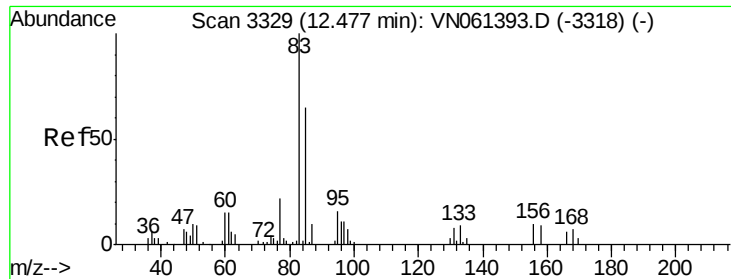
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5/15/2020 2:10:48 PM



#70
Isopropylbenzene
Concen: 19.292 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.4	34.2





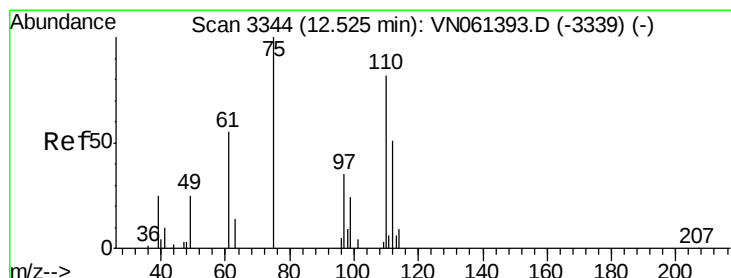
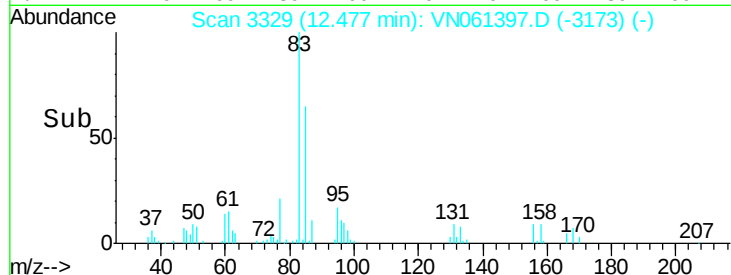
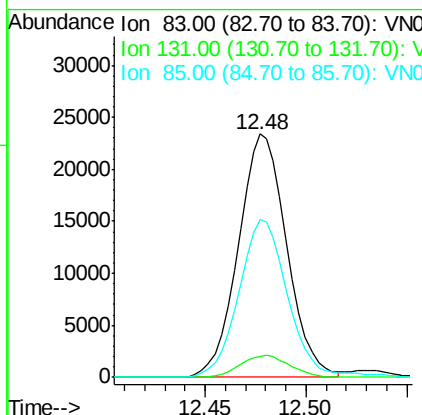
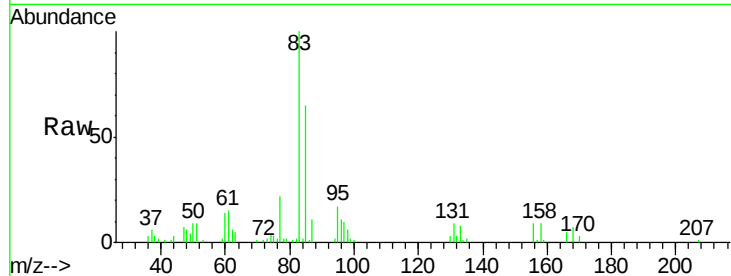
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.132 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	83	Resp	39143
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	66.1	31.6	94.7

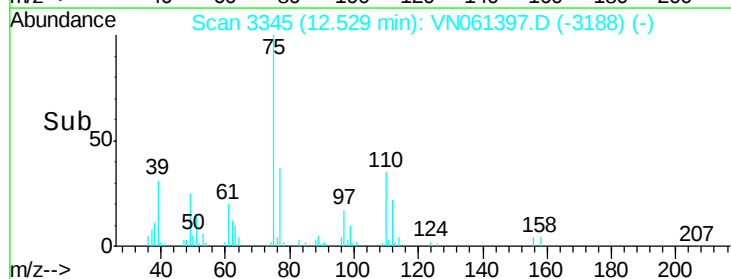
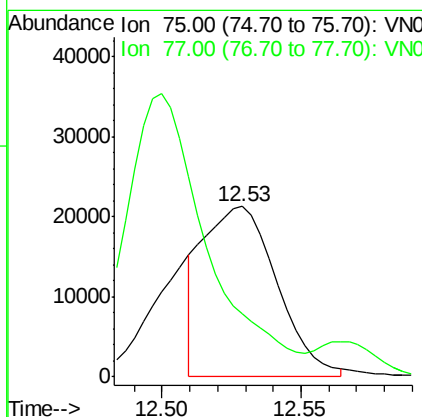
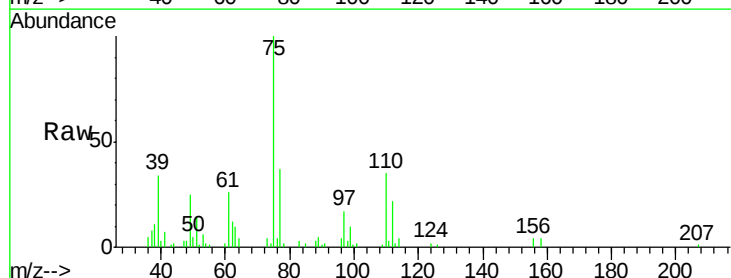
Manual Integrations
 APPROVED

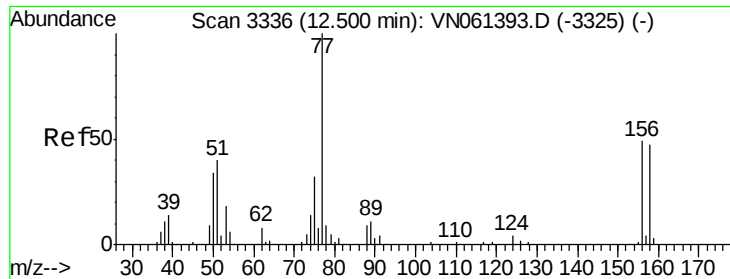
MMDadoda
 5/15/2020 2:10:48 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.120 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	75	Resp	39262
Ion Ratio	100	Lower	Upper
75	100		
77	185.4	0.0	359.4





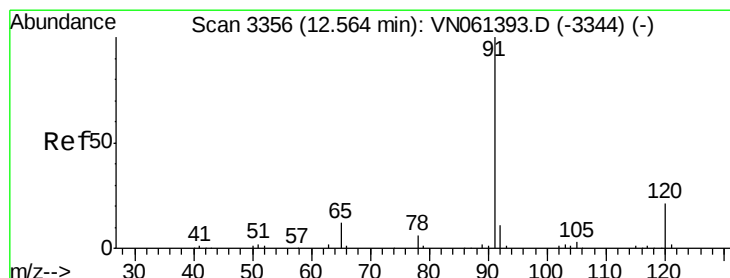
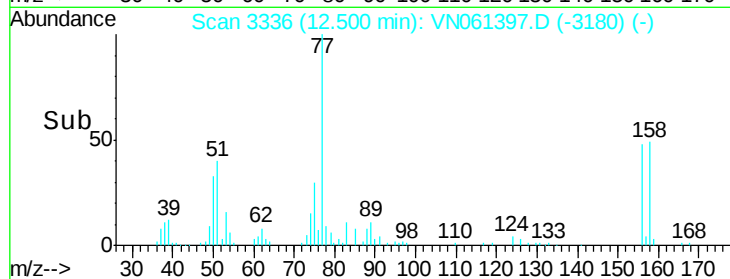
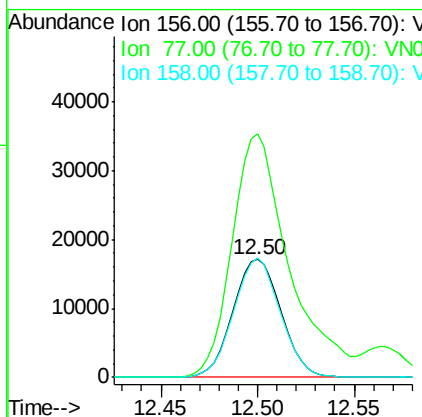
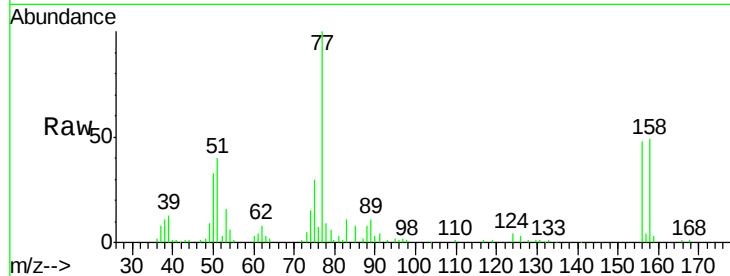
#73
Bromobenzene
Concen: 19.197 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion	Ratio	Lower	Upper
156	100		
77	246.5	0.0	456.0
158	98.2	0.0	195.4

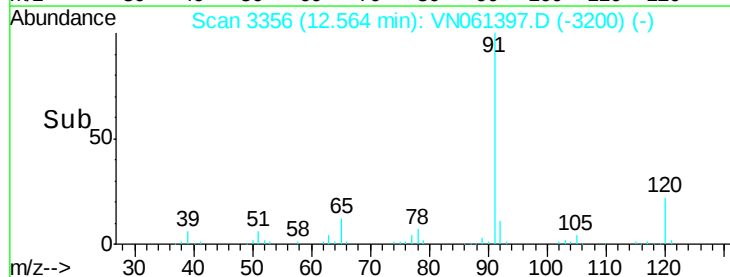
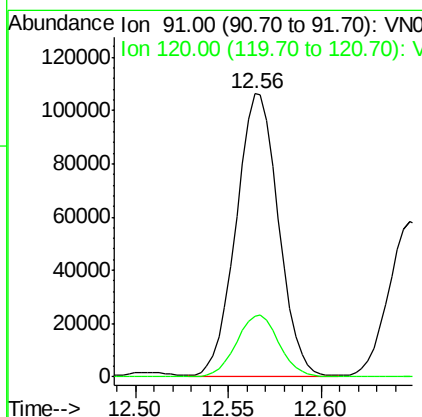
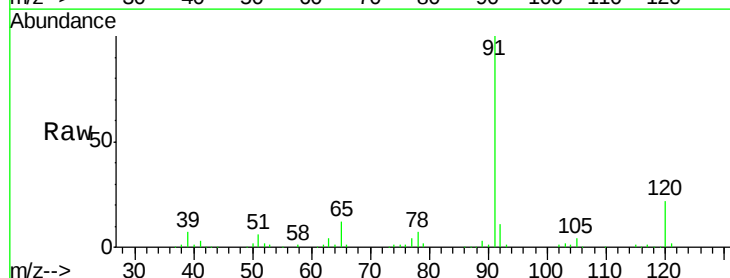
Manual Integrations
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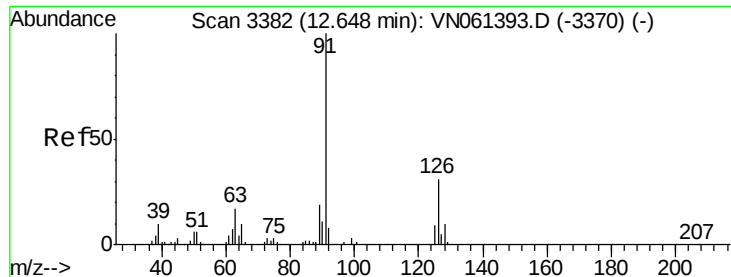
MMDadoda
5/15/2020 2:10:48 PM



#74
n-propylbenzene
Concen: 19.266 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	43.6





#75

2-Chlorotoluene

Concen: 19.591 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

ICVVN051420

Tot Ion: 91 Resp: 98925

Ion Ratio Lower Upper

91 100

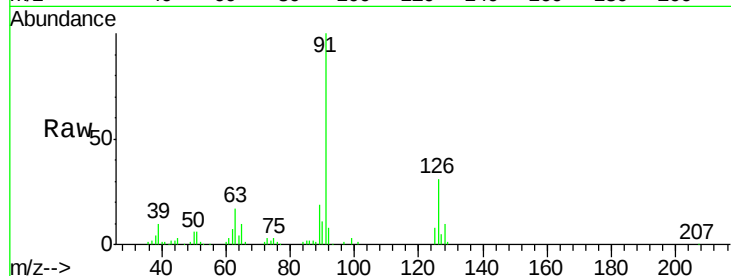
126 30.8 0.0 65.4

Manual Integrations

APPROVED

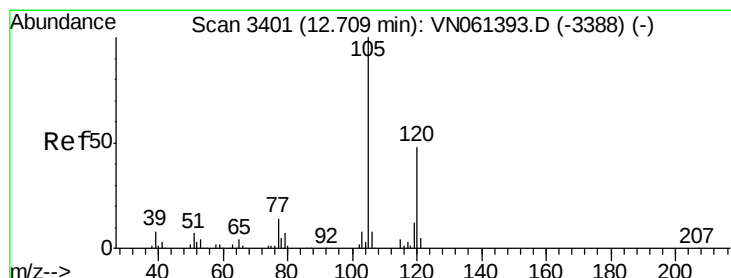
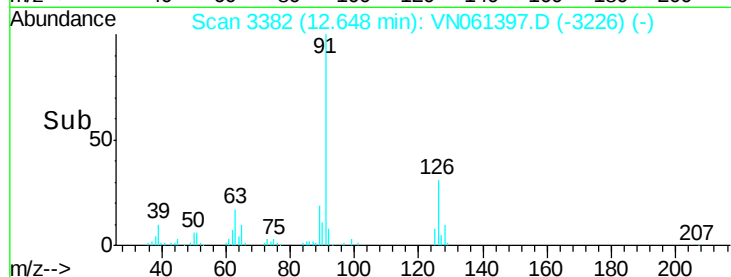
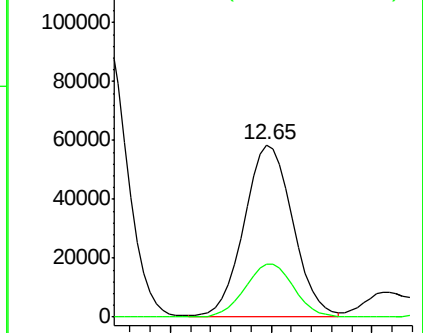
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.237 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061397.D

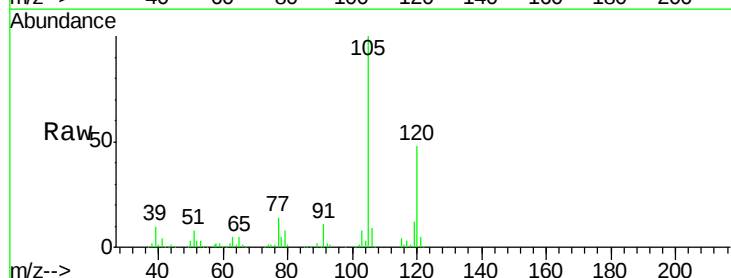
Acq: 14 May 2020 16:21

Tgt Ion:105 Resp: 119555

Ion Ratio Lower Upper

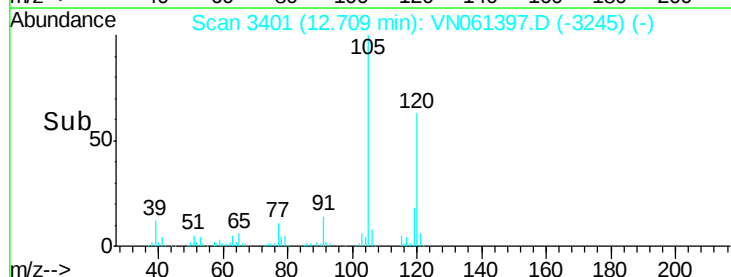
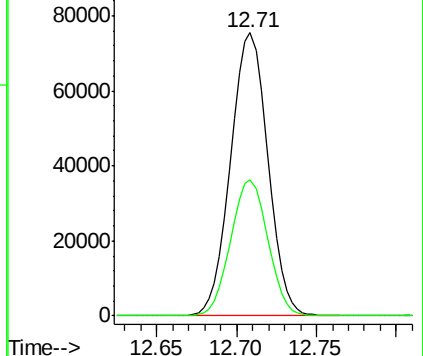
105 100

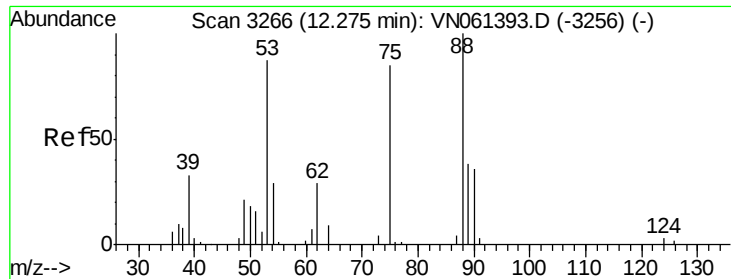
120 48.1 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 18.712 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

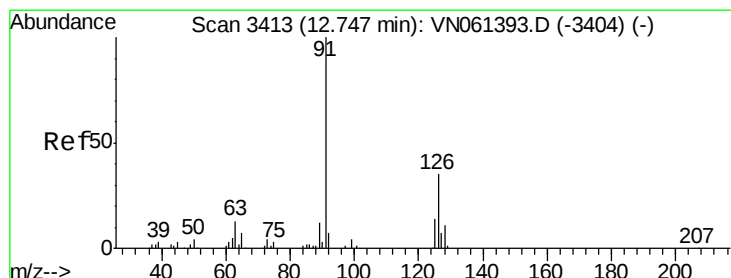
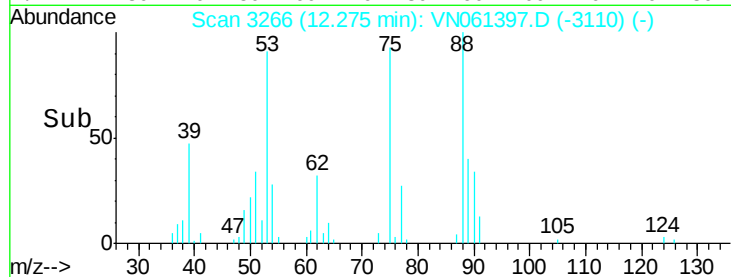
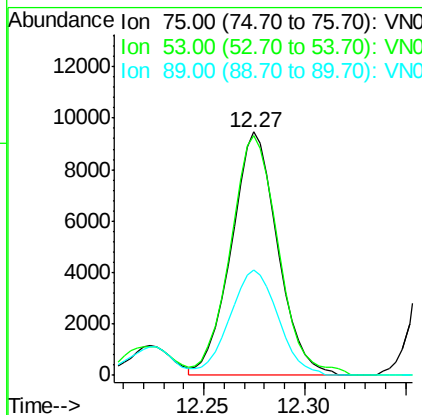
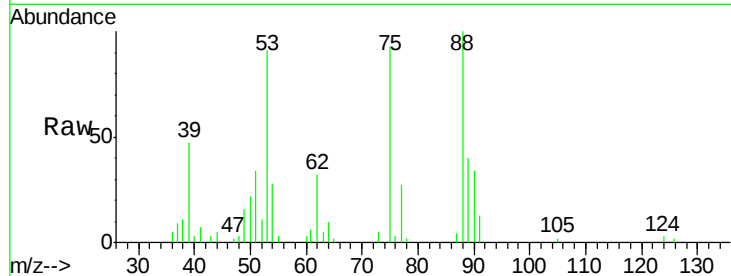
ClientSampleId :

ICVVN051420

Tot Ion:	75	Resp:	15197
Ion Ratio	Lower	Upper	
75	100		
53	95.8	50.0	150.0
89	43.3	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.607 ug/l

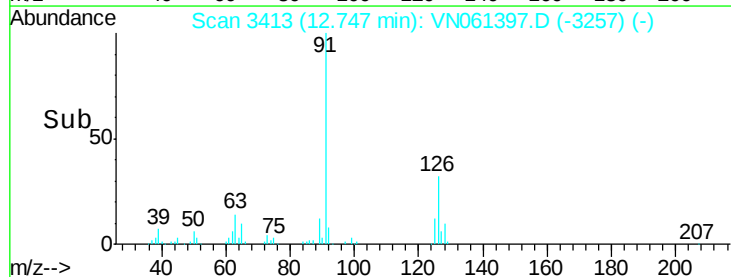
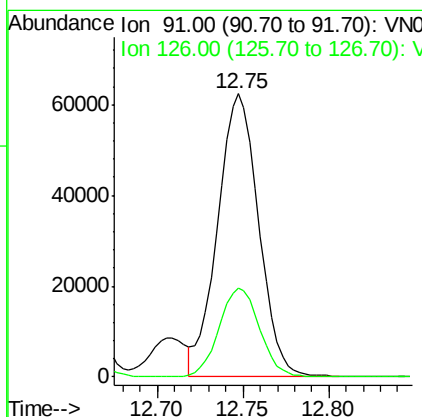
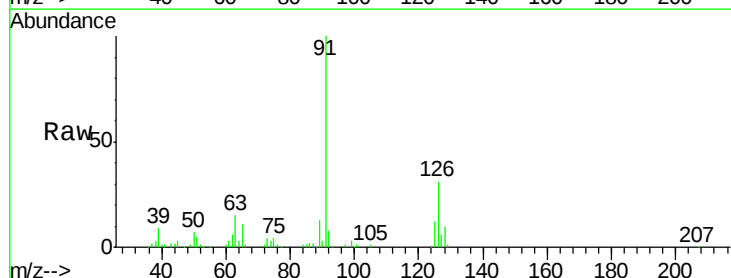
RT: 12.75 min Scan# 3413

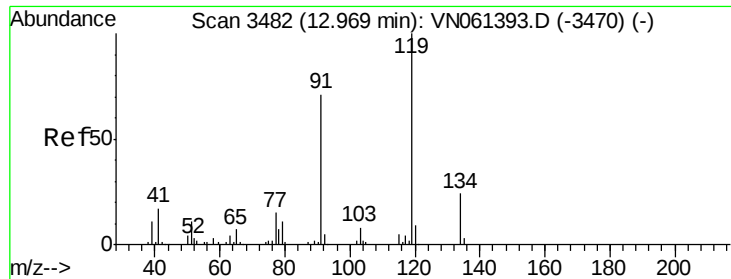
Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion:	91	Resp:	103675
Ion Ratio	Lower	Upper	
91	100		
126	30.8	0.0	63.4





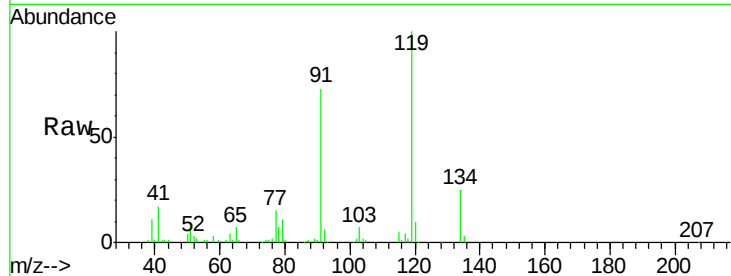
#79
tert-butylbenzene
Concen: 19.010 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

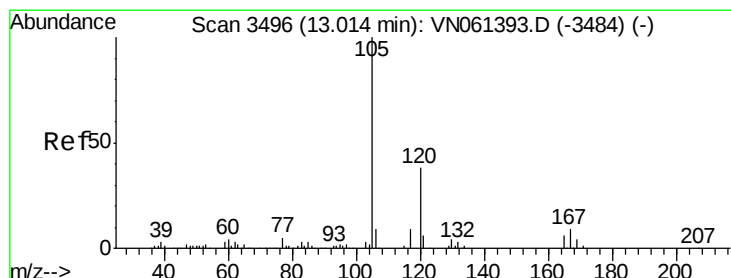
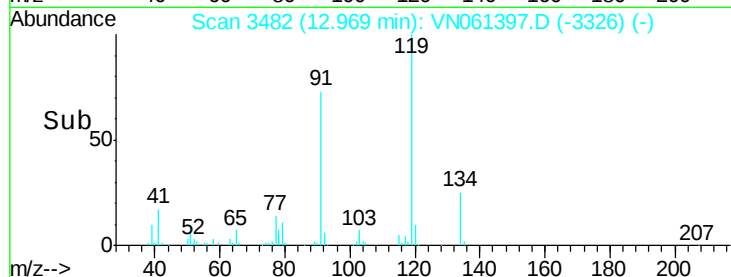
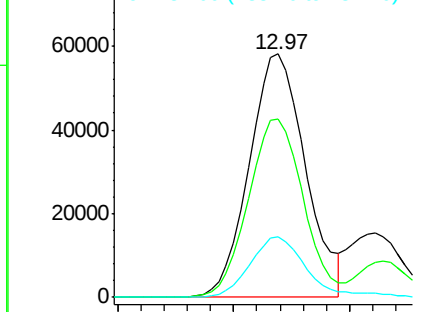
Tot Ion	Ratio	Resp	Lower	Upper
119	100	98143		
91	72.0	0.0	136.4	
134	25.3	0.0	47.2	

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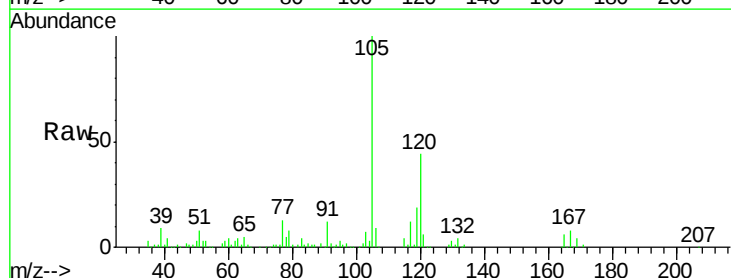


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

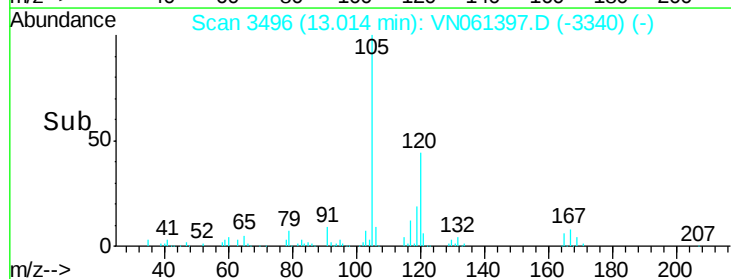
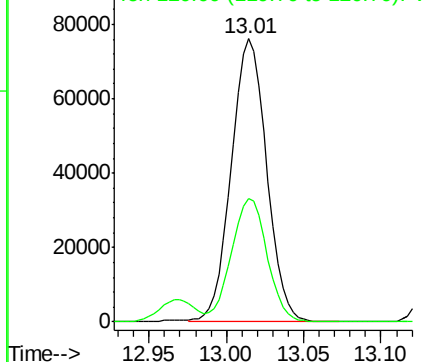


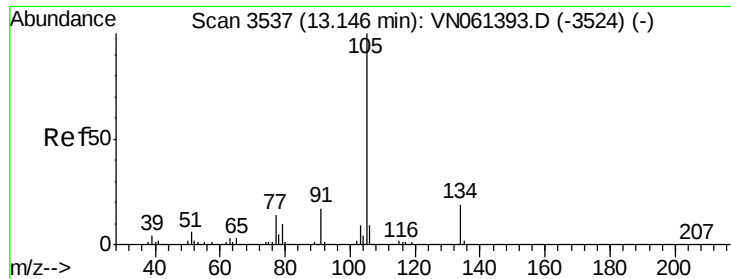
#80
1,2,4-Trimethylbenzene
Concen: 19.467 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	120765		
120	44.0	0.0	89.2	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





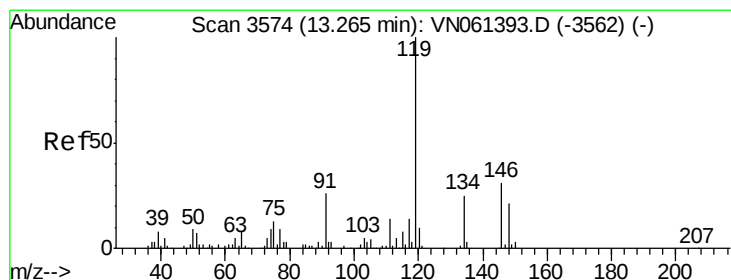
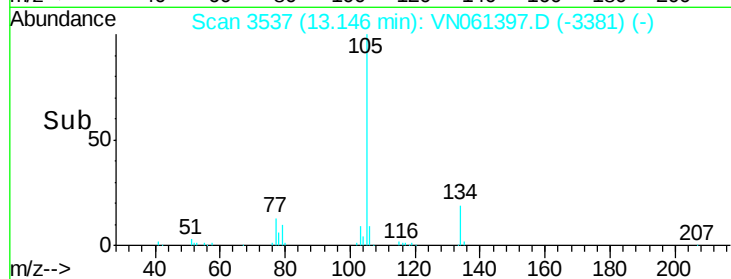
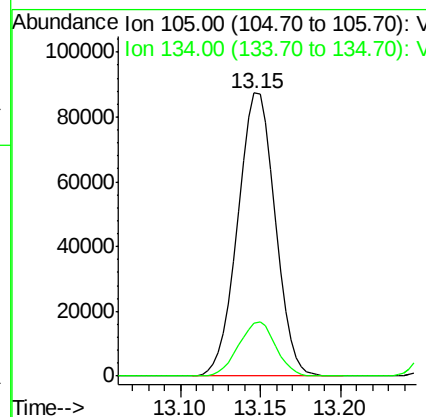
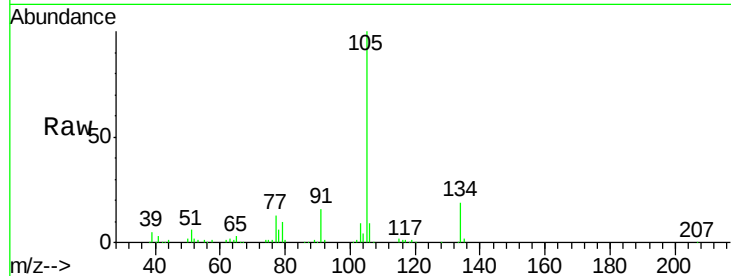
#81
 sec-Butylbenzene
 Concen: 19.568 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	Ratio	Resp	Lower	Upper
105	100	139175		
134	19.0	0.0	38.0	

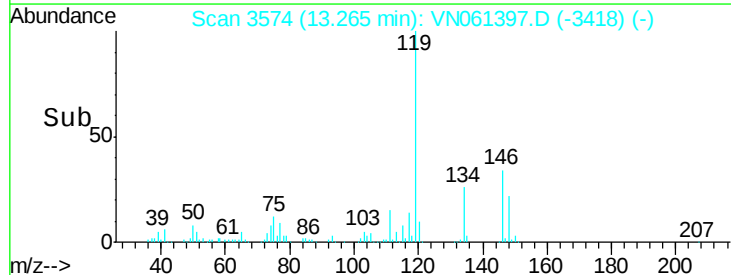
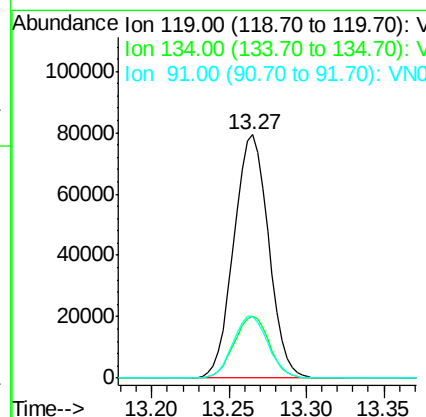
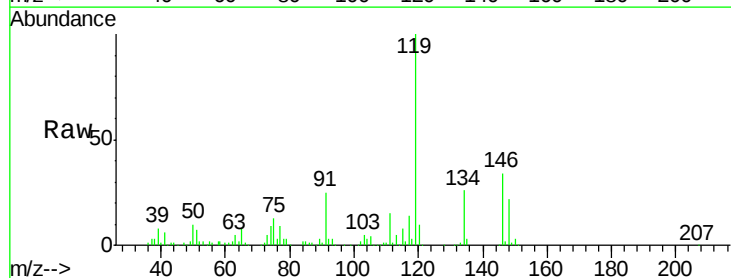
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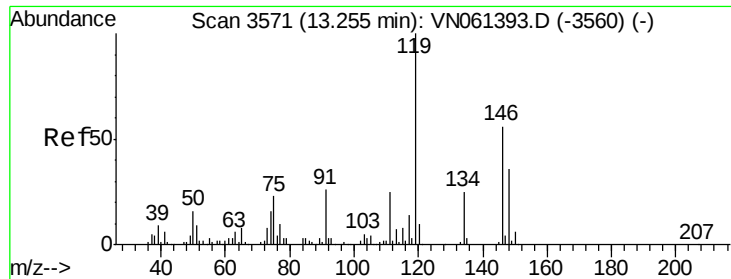
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#82
 p-Isopropyltoluene
 Concen: 19.334 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	123827		
134	25.6	0.0	50.8	
91	25.9	0.0	49.4	





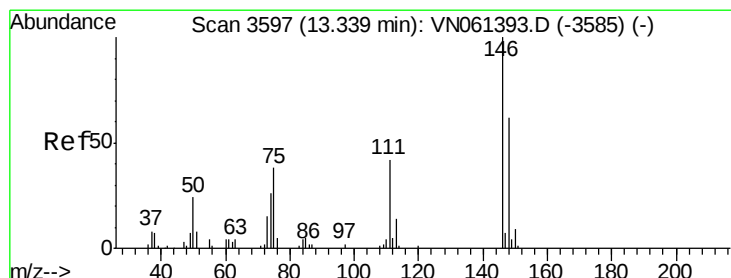
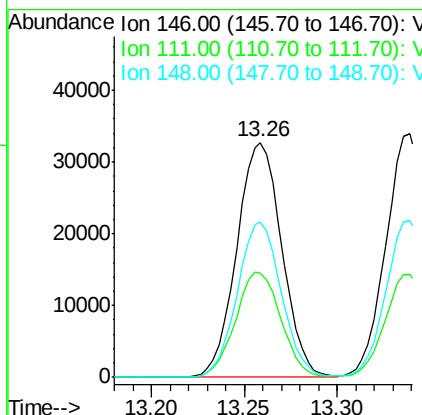
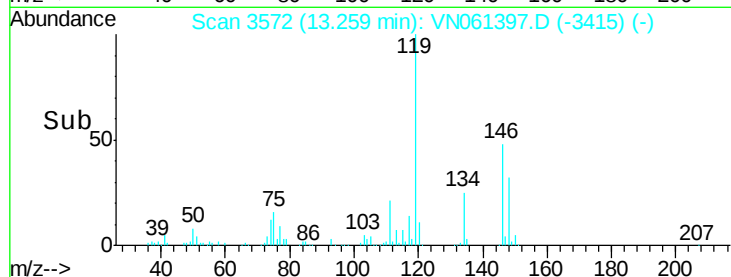
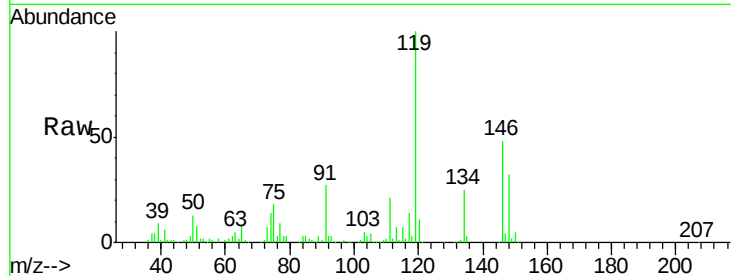
#83
 1,3-Dichlorobenzene
 Concen: 19.320 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.0	63.0
148	64.5	31.7	95.1

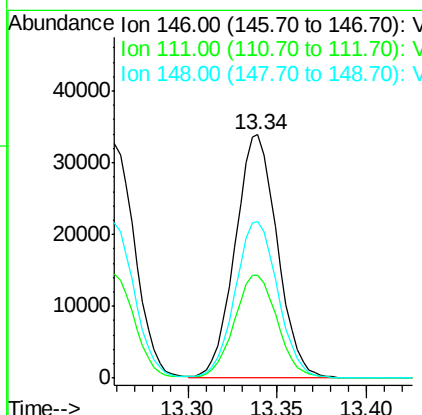
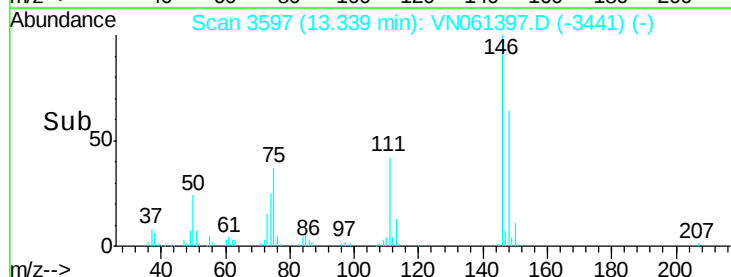
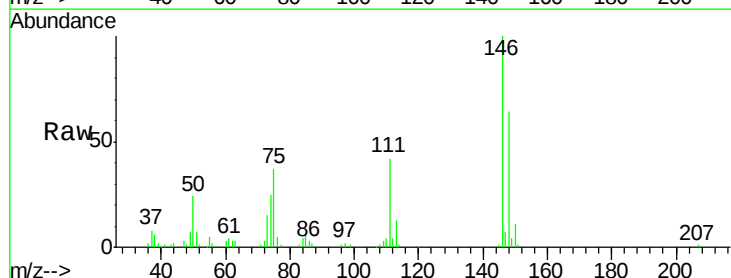
Manual Integrations
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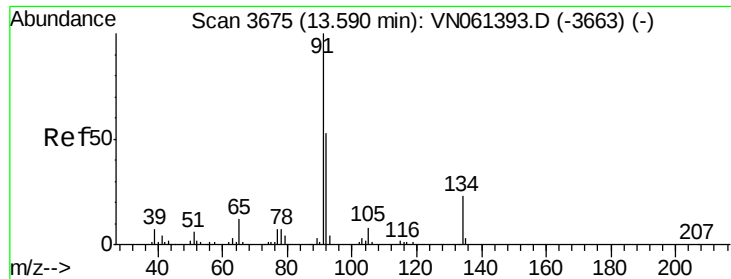
MMDadoda
 5/15/2020 2:10:48 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.784 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.8	59.4
148	64.9	31.6	94.8





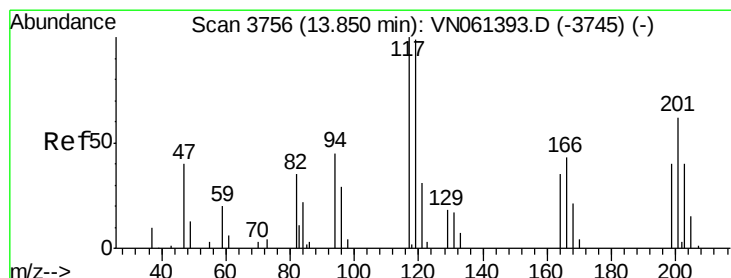
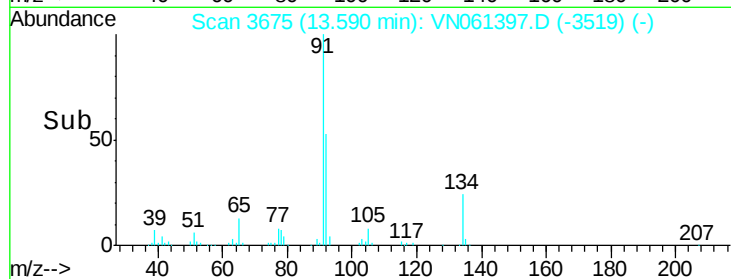
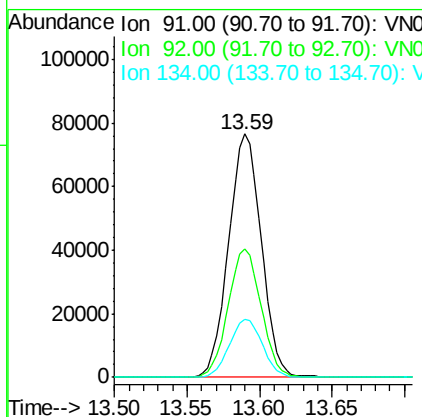
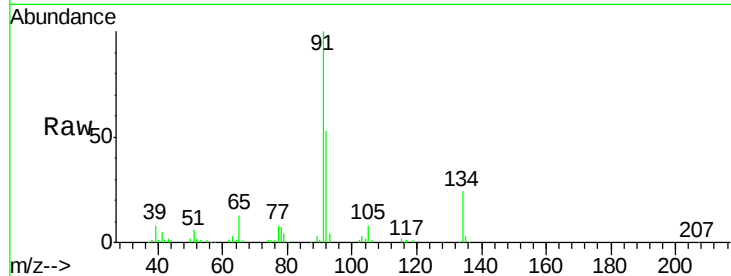
#85
n-Butylbenzene
Concen: 20.229 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051420

Tot Ion	Ratio	Resp	Lower	Upper
91	100	119943		
92	52.8		0.0	102.8
134	23.9		0.0	48.6

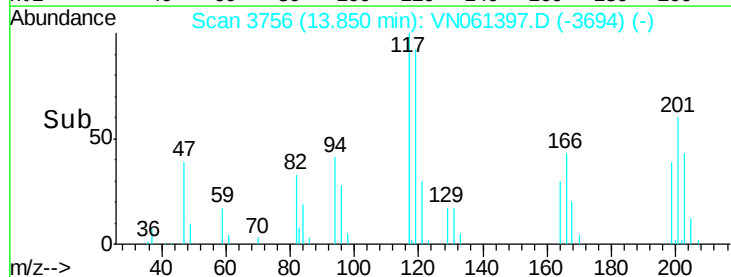
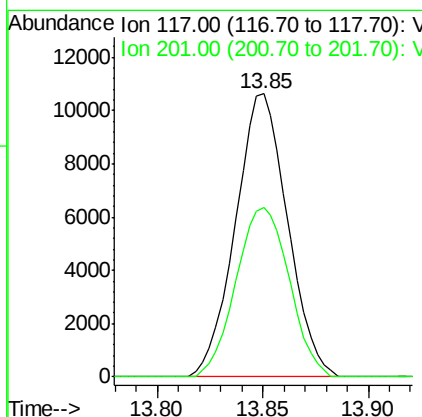
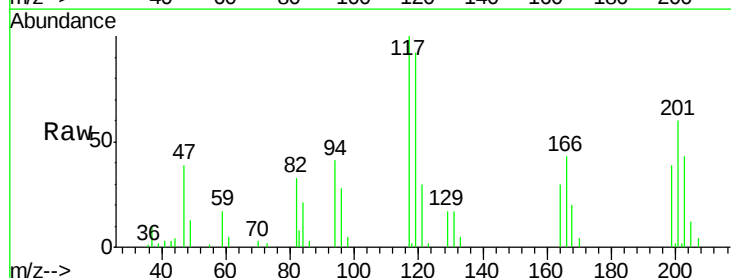
Manual Integrations
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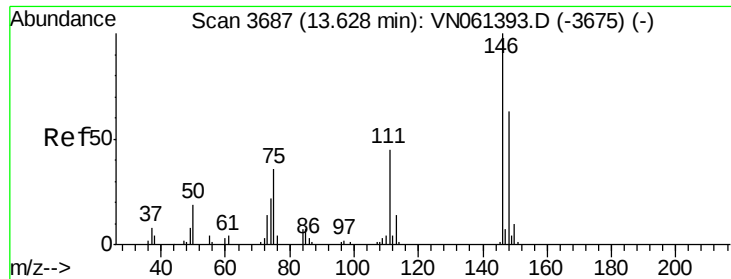
MMDadoda
5/15/2020 2:10:48 PM



#86
Hexachloroethane
Concen: 20.437 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	18246		
201	60.9		38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 19.437 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

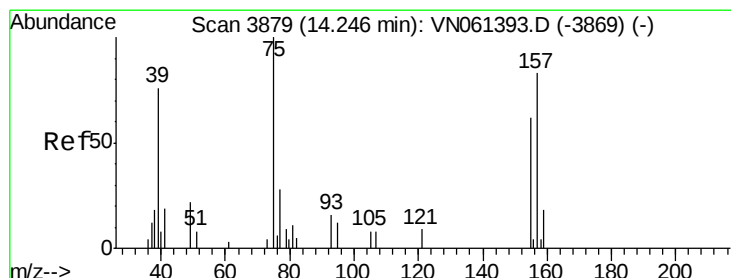
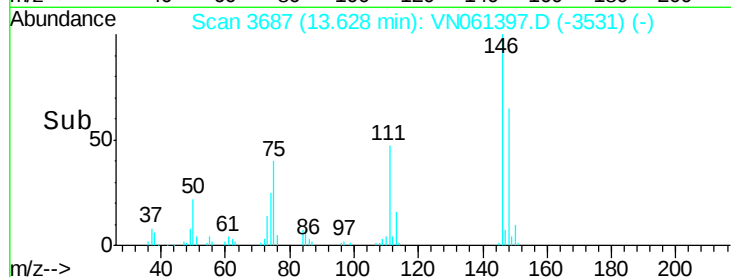
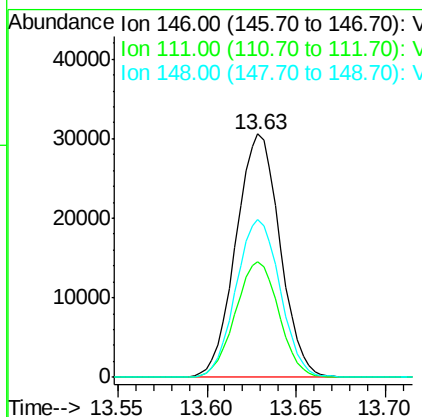
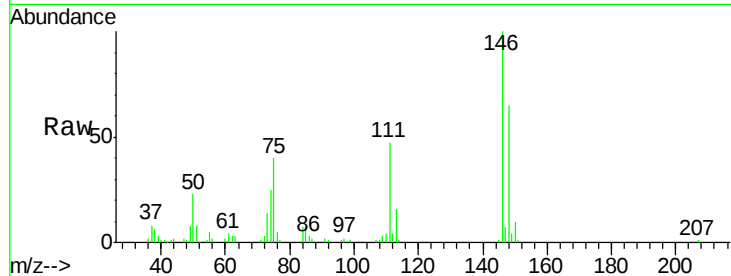
ClientSampleId :

ICVVN051420

Tot Ion:	146	Resp:	52713
Ion Ratio	Lower	Upper	
146	100		
111	46.8	21.8	65.4
148	64.7	32.1	96.5

Manual Integrations
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5/15/2020 2:10:48 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.624 ug/l

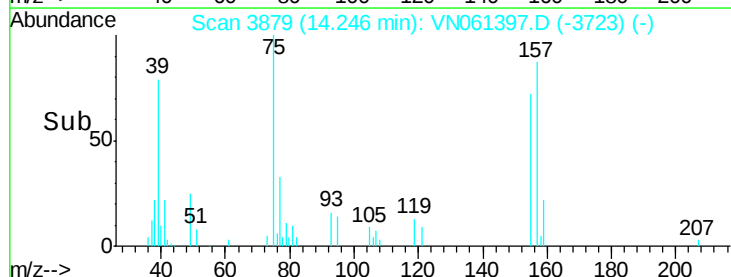
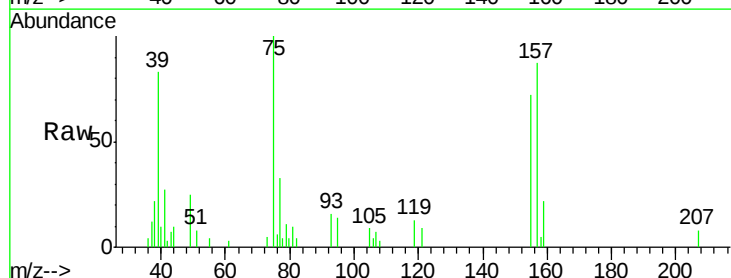
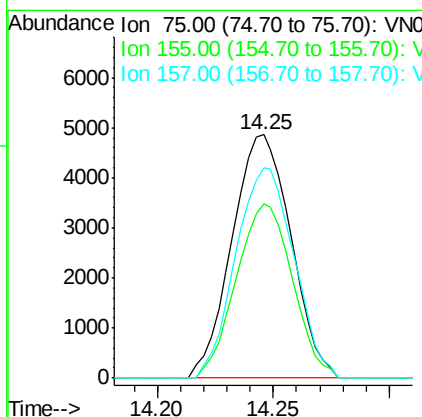
RT: 14.25 min Scan# 3879

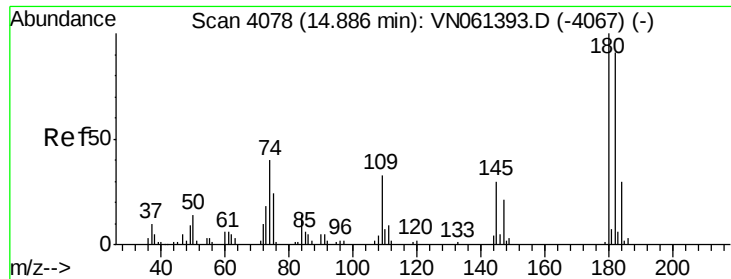
Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion:	75	Resp:	8557
Ion Ratio	Lower	Upper	
75	100		
155	68.2	58.3	87.5
157	85.2	75.0	112.6





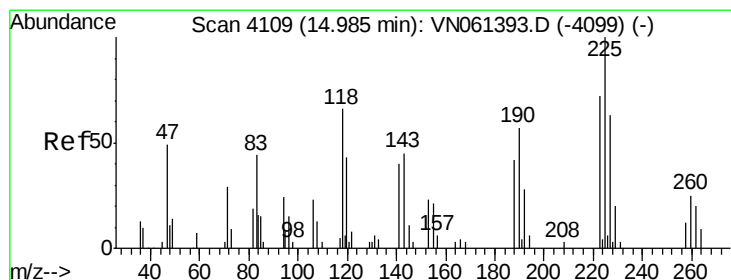
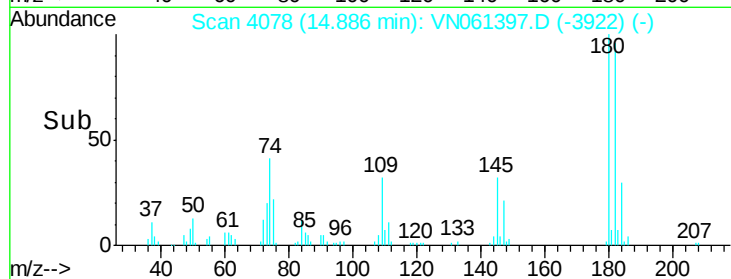
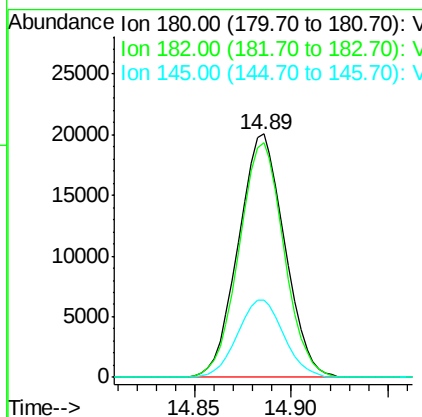
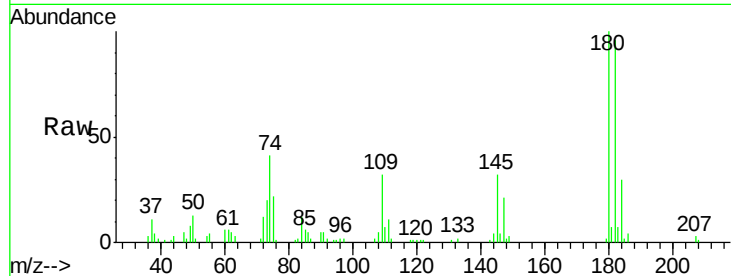
#89
 1,2,4-Trichlorobenzene
 Concen: 21.428 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.3	112.9
145	31.8	24.8	37.2

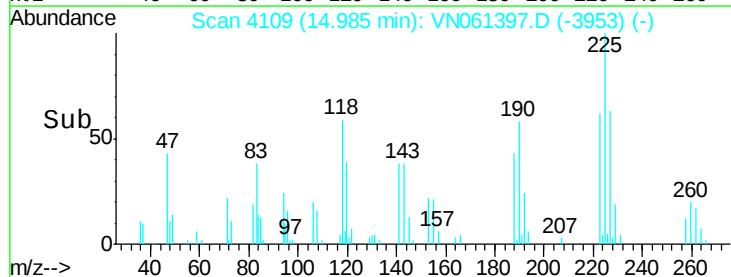
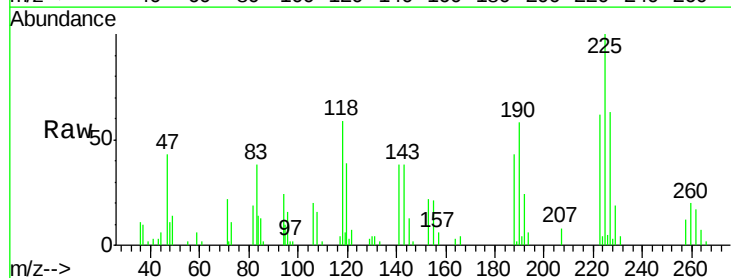
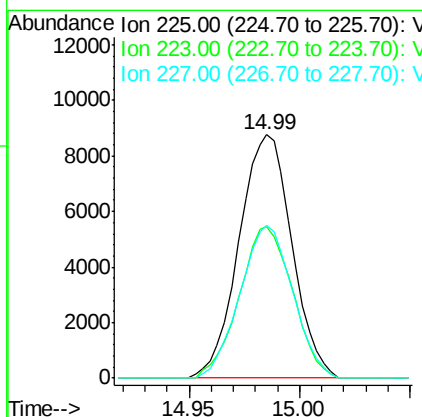
Manual Integrations
 APPROVED

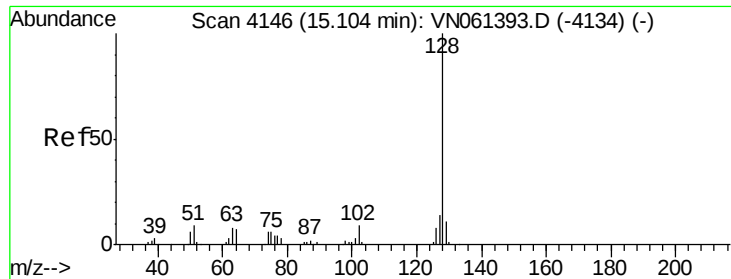
MMDadoda
 5/15/2020 2:10:48 PM



#90
 Hexachlorobutadiene
 Concen: 22.892 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	0.0	126.2
227	62.7	0.0	127.0





#91

Naphthalene

Concen: 21.996 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

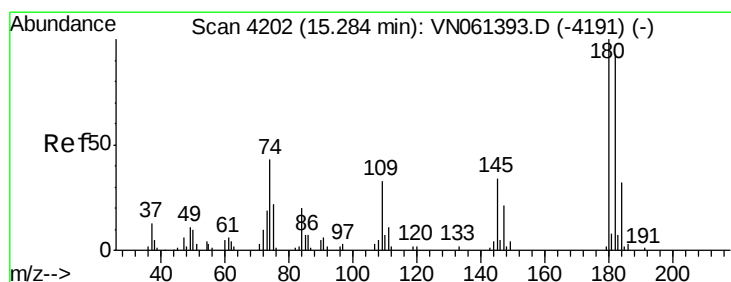
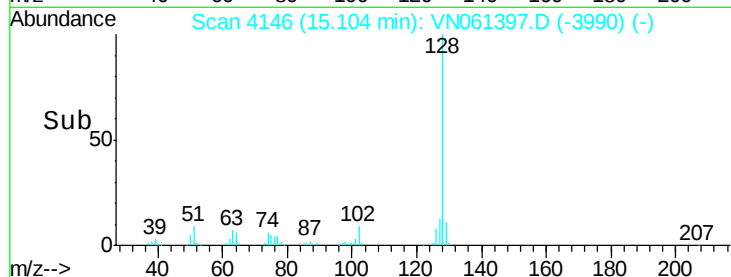
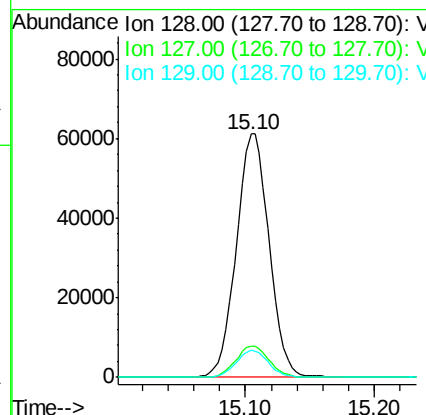
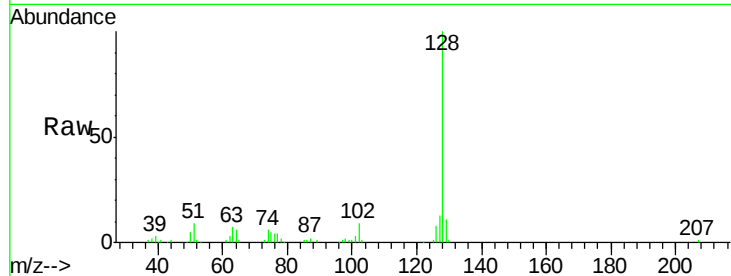
ClientSampleId :

ICVVN051420

Tot Ion:	128	Resp:	107796
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/15/2020 2:10:48 PM



#92

1,2,3-Trichlorobenzene

Concen: 21.005 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Tgt Ion:	180	Resp:	31787
Ion Ratio	Lower	Upper	
180	100		
182	96.8	0.0	193.4
145	35.7	0.0	65.8

