

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103020\
 Data File : VN064409.D
 Acq On : 30 Oct 2020 18:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 11/2/2020 4:12:11 PM

Quant Time: Nov 02 03:22:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	237392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	397593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	364914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	186252	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.55	113	131471	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	10.06	98	474267	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.37	95	181801	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	130093	47.674	ug/l	99
3) Chloromethane	2.04	50	140432	47.607	ug/l	99
4) Vinyl Chloride	2.16	62	145185	50.884	ug/l	98
5) Bromomethane	2.53	94	87325	47.365	ug/l	97
6) Chloroethane	2.67	64	87669	51.421	ug/l	97
7) Trichlorofluoromethane	2.98	101	251015	52.514	ug/l	100
8) Diethyl Ether	3.38	74	79905	52.844	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	119893	49.905	ug/l	98
10) Methyl Iodide	3.91	142	151321	47.200	ug/l	98
11) Tert butyl alcohol	4.72	59	106648	192.579	ug/l	98
12) 1,1-Dichloroethene	3.70	96	113953	50.244	ug/l	92
13) Acrolein	3.57	56	35201	289.877	ug/l	94
14) Allyl chloride	4.28	41	228486	49.338	ug/l	99
15) Acrylonitrile	4.93	53	297979	250.212	ug/l	98
16) Acetone	3.77	43	291675	223.486	ug/l	92
17) Carbon Disulfide	4.01	76	317452	47.308	ug/l	96
18) Methyl Acetate	4.27	43	144549	50.441	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	461263	52.933	ug/l	96
20) Methylene Chloride	4.50	84	137172	50.701	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	128768	50.895	ug/l	95
22) Diisopropyl ether	5.90	45	481465	53.190	ug/l	95
23) Vinyl Acetate	5.84	43	2069919	270.294	ug/l	100
24) 1,1-Dichloroethane	5.80	63	260995	51.528	ug/l	99
25) 2-Butanone	6.78	43	446580	233.147	ug/l	98
26) 2,2-Dichloropropane	6.78	77	238817	48.176	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	151492	52.320	ug/l	99
28) Bromochloromethane	7.15	49	118814	49.234	ug/l	98
29) Tetrahydrofuran	7.16	42	295391	237.549	ug/l	98
30) Chloroform	7.33	83	287410	53.160	ug/l	99
31) Cyclohexane	7.61	56	208158	47.015	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	263154	50.688	ug/l	98
36) 1,1-Dichloropropene	7.75	75	198673	49.512	ug/l	99
37) Ethyl Acetate	6.88	43	190708	47.052	ug/l	98
38) Carbon Tetrachloride	7.73	117	234786	50.470	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	182288	45.816	ug/l	97
40) Benzene	8.00	78	562257	50.340	ug/l	98
41) Methacrylonitrile	7.13	41	85231m	42.361	ug/l	
42) 1,2-Dichloroethane	8.08	62	247754	51.350	ug/l	99
43) Isopropyl Acetate	8.13	43	351704	50.762	ug/l	99
44) Trichloroethene	8.80	130	149729	51.173	ug/l	95
45) 1,2-Dichloropropane	9.08	63	151620	50.693	ug/l	99
46) Dibromomethane	9.17	93	108430	51.821	ug/l	98
47) Bromodichloromethane	9.37	83	232942	50.234	ug/l	96
48) Methyl methacrylate	9.16	41	170654	47.739	ug/l	99
49) 1,4-Dioxane	9.16	88	43169	819.322	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	997104	247.576	ug/l	100
52) Toluene	10.12	92	358250	50.830	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	249744	50.936	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	259502	51.415	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	142550	51.238	ug/l	99
56) Ethyl methacrylate	10.40	69	220809	52.431	ug/l	98
57) 1,3-Dichloropropane	10.68	76	247883	52.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	525038	228.462	ug/l	100
59) 2-Hexanone	10.72	43	719151	242.447	ug/l	99
60) Dibromochloromethane	10.87	129	173302	52.684	ug/l	99
61) 1,2-Dibromoethane	10.97	107	147333	51.974	ug/l	98
64) Tetrachloroethene	10.60	164	140173	46.737	ug/l	99
65) Chlorobenzene	11.40	112	385080	52.052	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	154341	51.616	ug/l	98
67) Ethyl Benzene	11.48	91	702158	51.051	ug/l	99
68) m/p-Xylenes	11.60	106	519438	101.908	ug/l	100
69) o-Xylene	11.92	106	250499	51.011	ug/l	98
70) Styrene	11.94	104	418578	51.988	ug/l	98
71) Bromoform	12.10	173	117869	50.225	ug/l #	100
73) Isopropylbenzene	12.22	105	654923	49.406	ug/l	99
74) N-amyl acetate	12.04	43	304459	52.180	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	194448	50.465	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	196116m	46.271	ug/l	
77) Bromobenzene	12.50	156	166313	51.236	ug/l	97
78) n-propylbenzene	12.56	91	736882	49.100	ug/l	99
79) 2-Chlorotoluene	12.65	91	463134	48.276	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	546034	48.681	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	69086	46.952	ug/l	96
82) 4-Chlorotoluene	12.75	91	482959	49.417	ug/l	100
83) tert-Butylbenzene	12.96	119	441692	47.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	552750	49.319	ug/l	98
85) sec-Butylbenzene	13.14	105	565364	47.467	ug/l	99
86) p-Isopropyltoluene	13.26	119	515276	48.021	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	278005	48.923	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	280962	48.544	ug/l	99
89) n-Butylbenzene	13.59	91	441158	46.669	ug/l	97
90) Hexachloroethane	13.85	117	97821	48.541	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	277680	49.151	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	45833	47.938	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	141731	43.907	ug/l	98
94) Hexachlorobutadiene	14.98	225	76913	44.363	ug/l	98
95) Naphthalene	15.10	128	417449	42.119	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	133016	42.827	ug/l	97

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

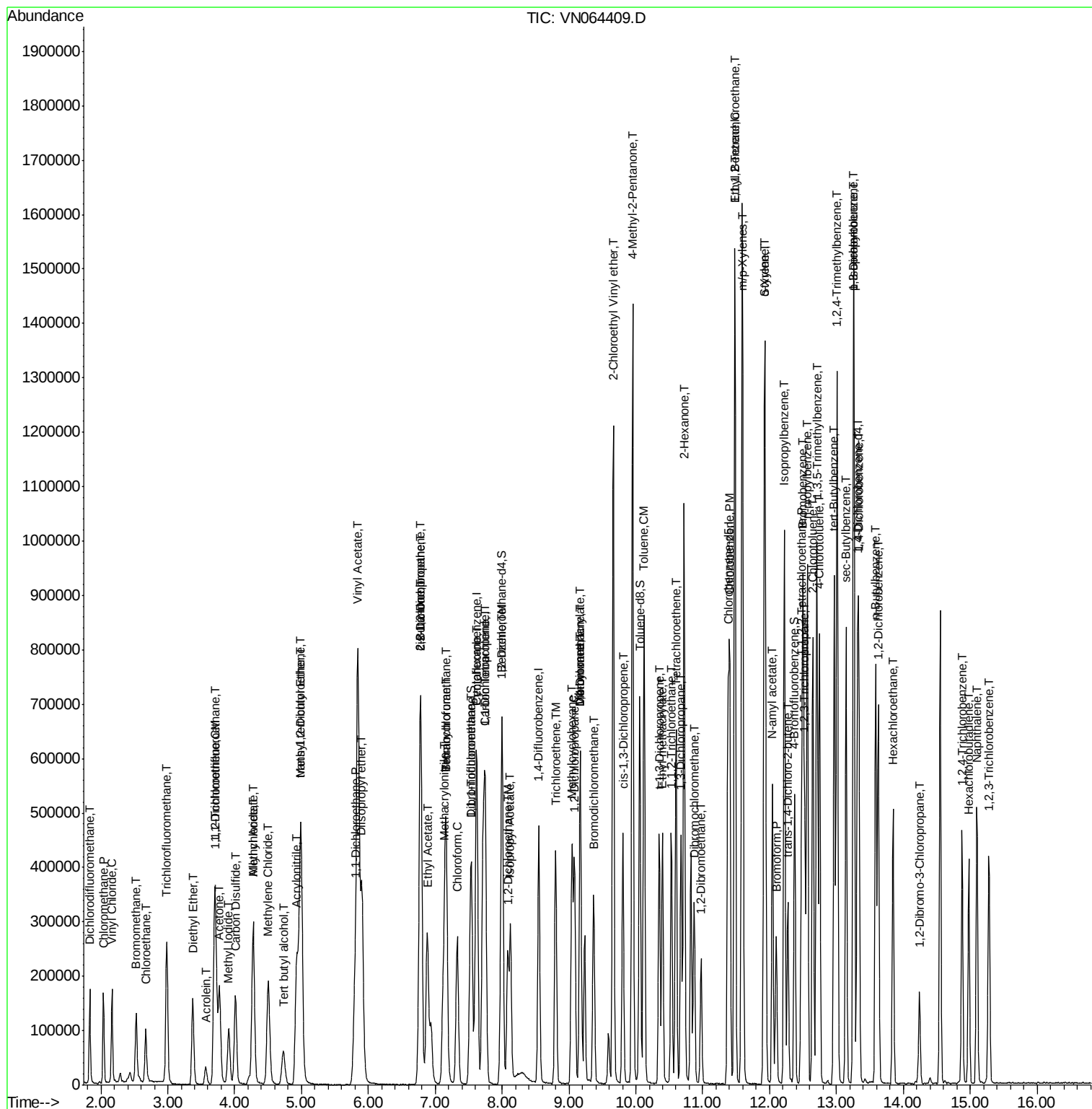
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Data File : VN064409.D
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Operator : JC/MD
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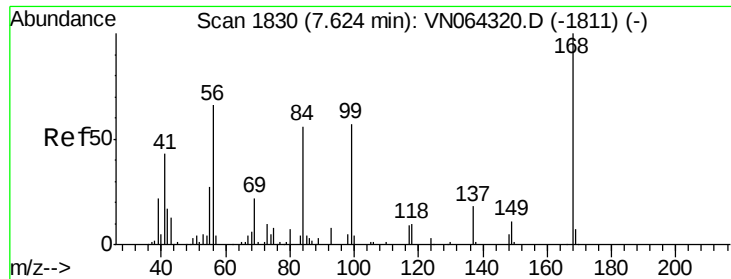
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 237392

Ion Ratio Lower Upper

168 100

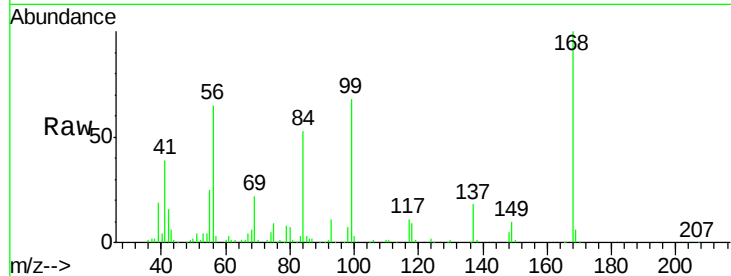
99 67.4 52.7 79.1

Manual Integrations

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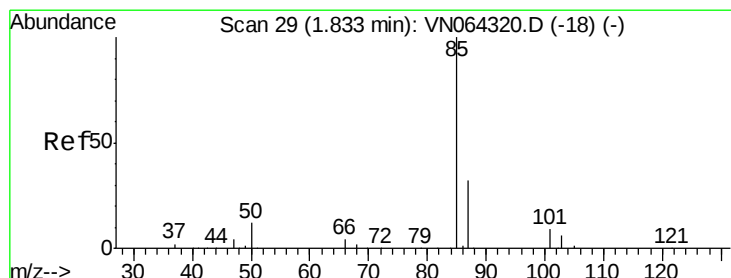
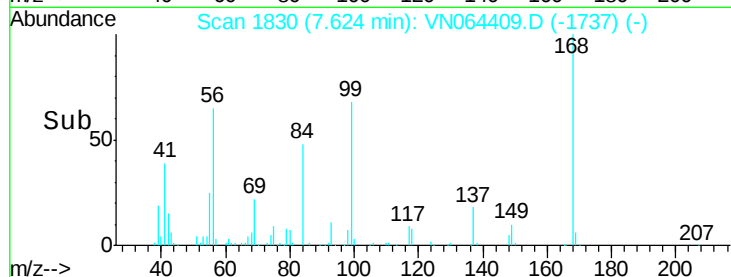
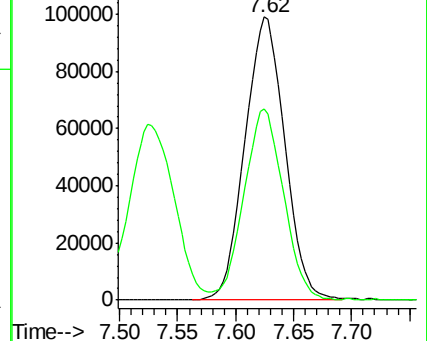
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.674 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064409.D

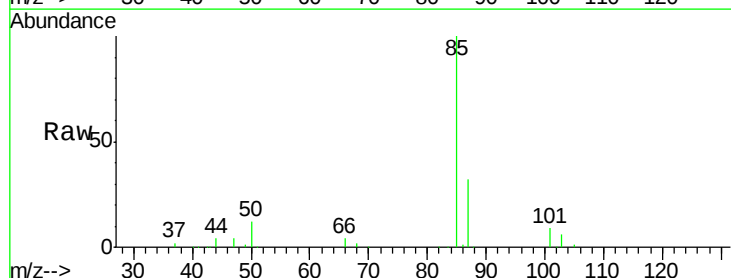
Acq: 30 Oct 2020 18:50

Tgt Ion: 85 Resp: 130093

Ion Ratio Lower Upper

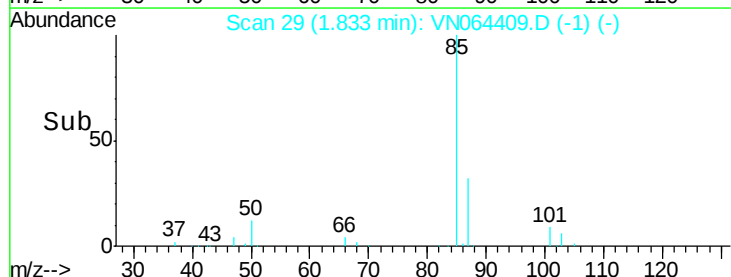
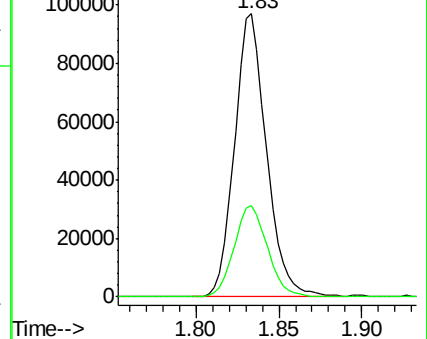
85 100

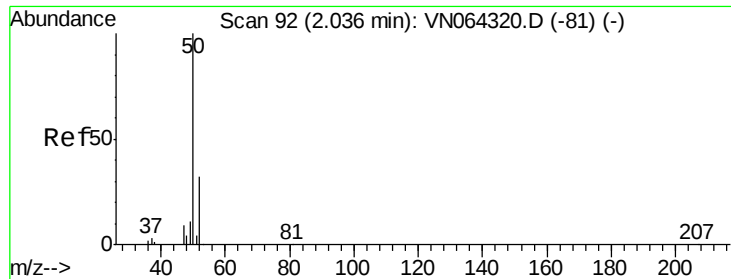
87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.607 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 140432

Ion Ratio Lower Upper

50 100

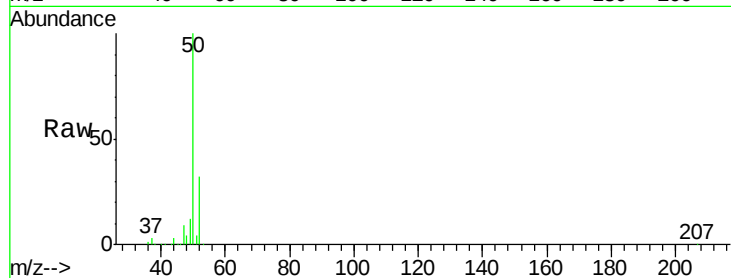
52 32.4 25.6 38.4

Manual Integrations

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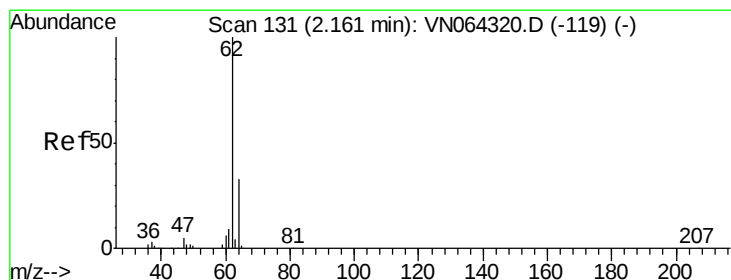
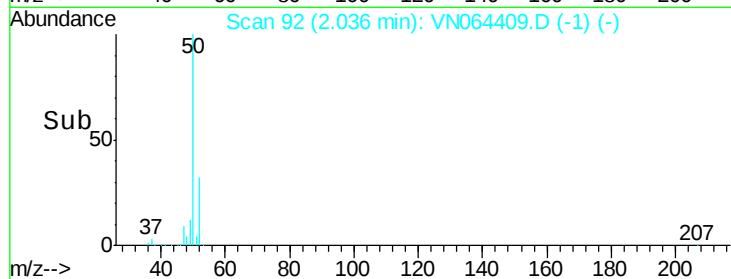
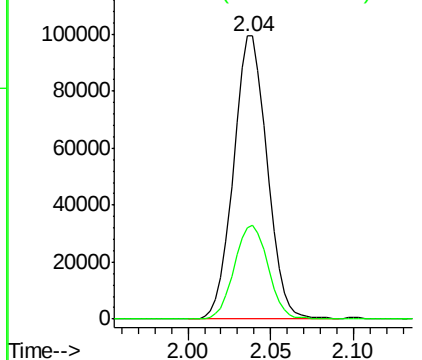
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.884 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064409.D

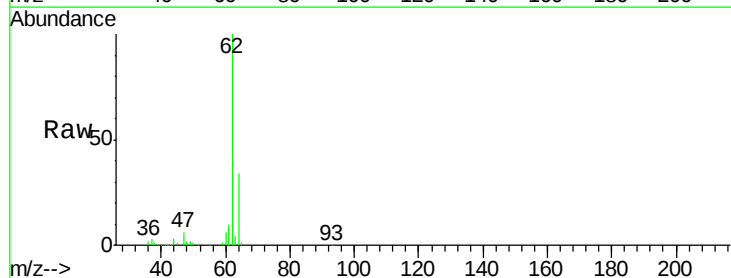
Acq: 30 Oct 2020 18:50

Tgt Ion: 62 Resp: 145185

Ion Ratio Lower Upper

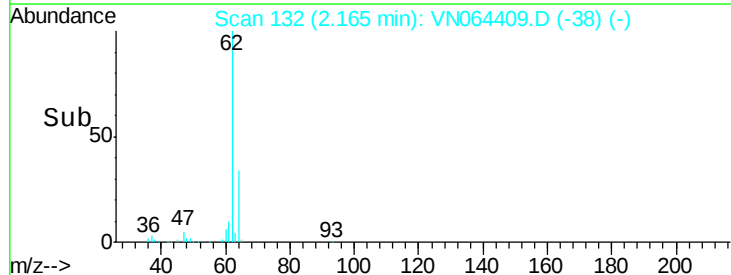
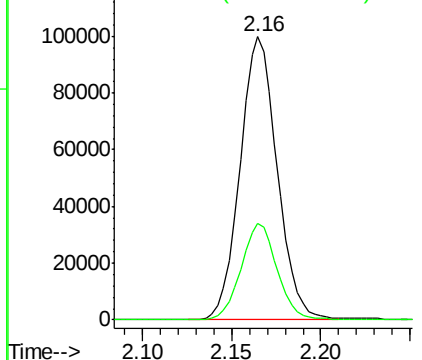
62 100

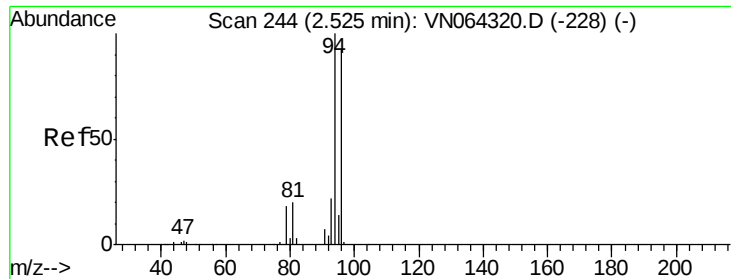
64 34.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.365 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

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Tot Ion: 94 Resp: 87325

Ion Ratio Lower Upper

94 100

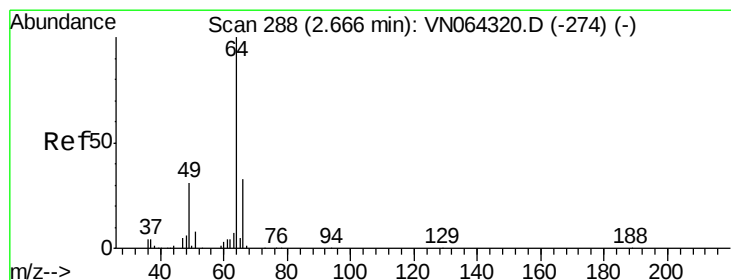
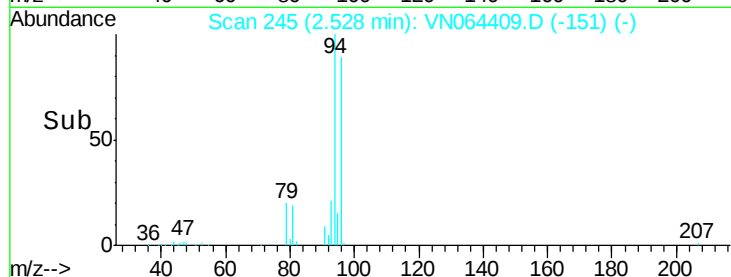
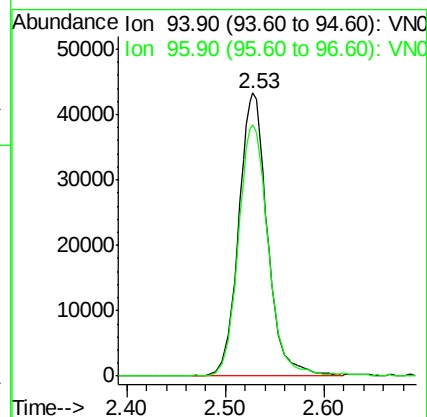
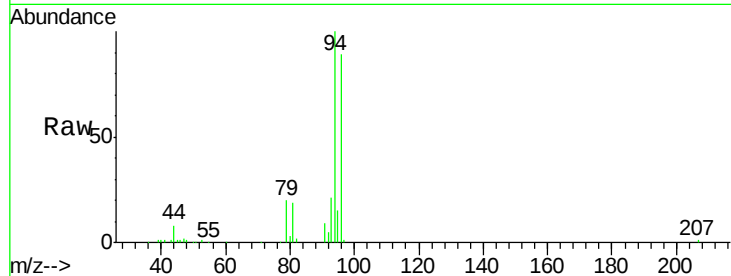
96 88.7 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 51.421 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064409.D

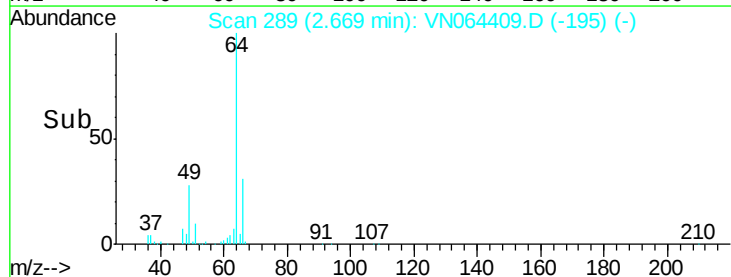
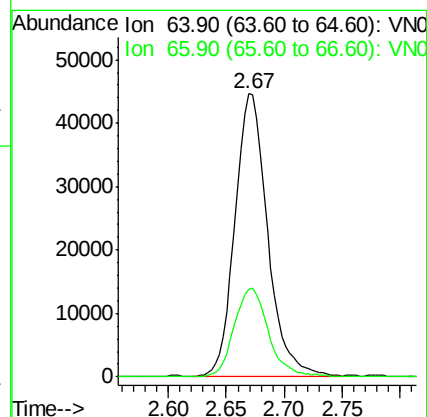
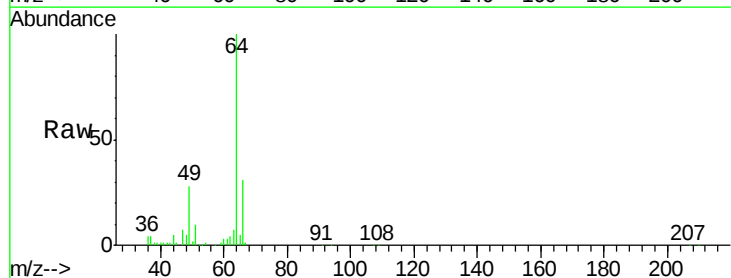
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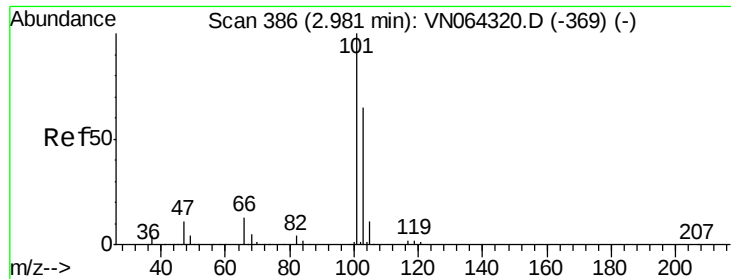
Tgt Ion: 64 Resp: 87669

Ion Ratio Lower Upper

64 100

66 31.1 26.5 39.7





#7

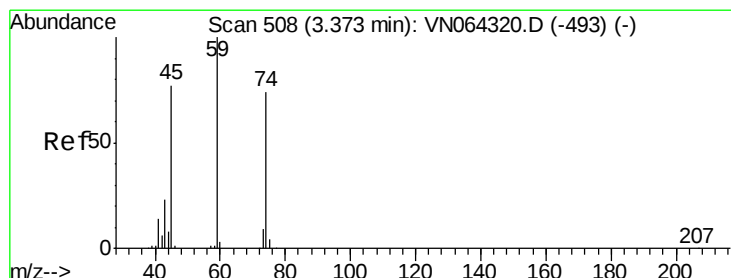
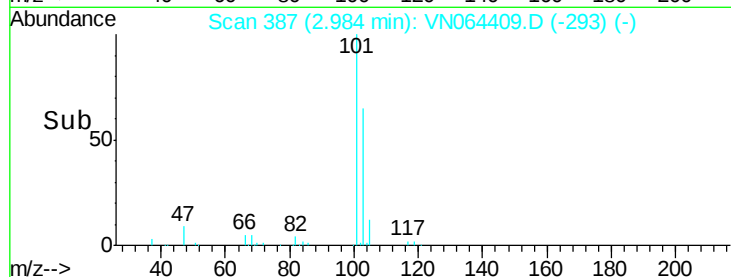
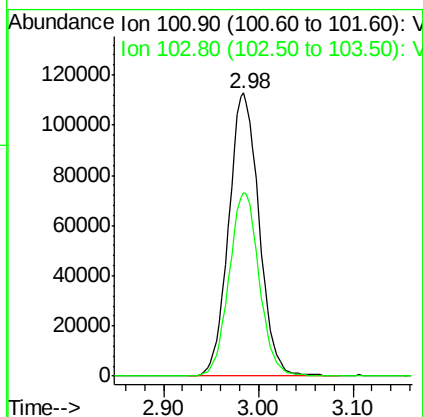
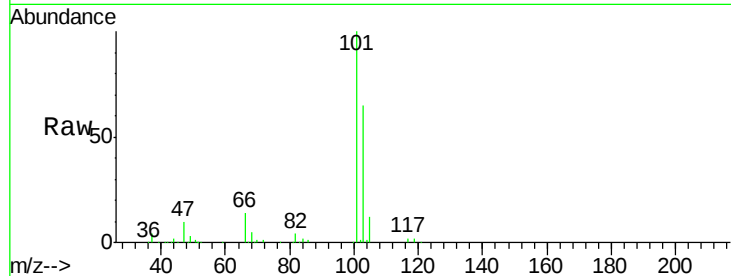
Trichlorofluoromethane
 Concen: 52.514 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064409.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.7	77.5

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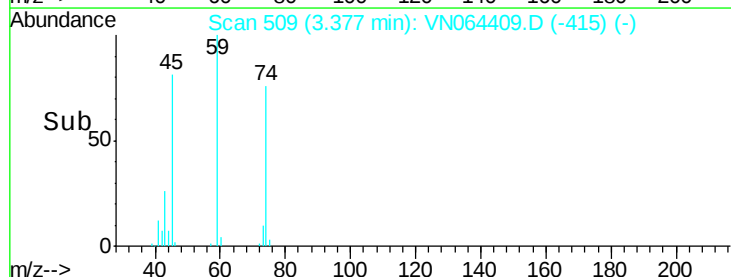
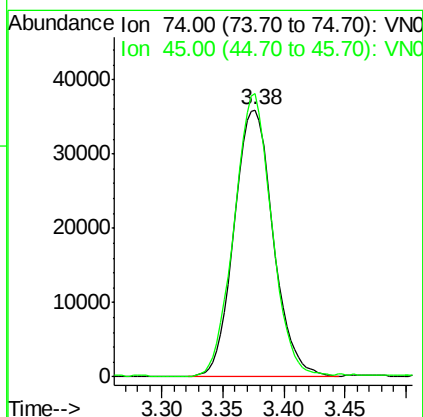
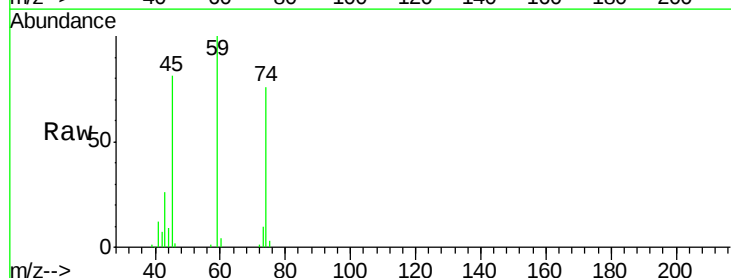
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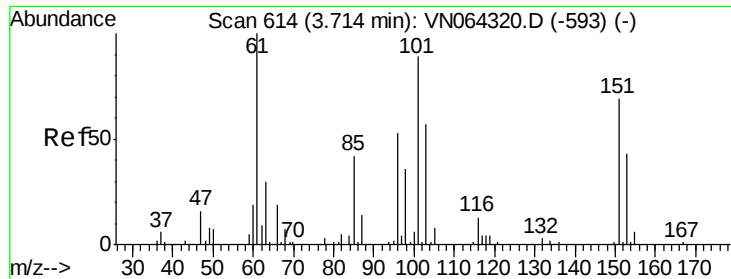


#8

Diethyl Ether
 Concen: 52.844 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.905 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

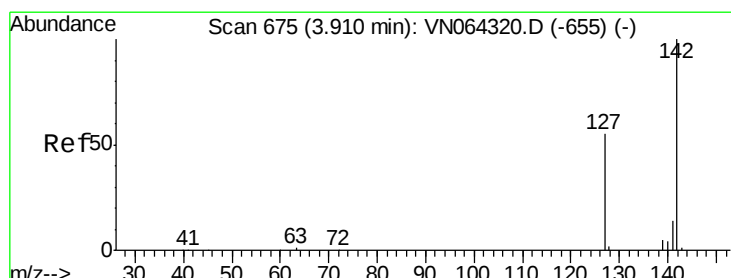
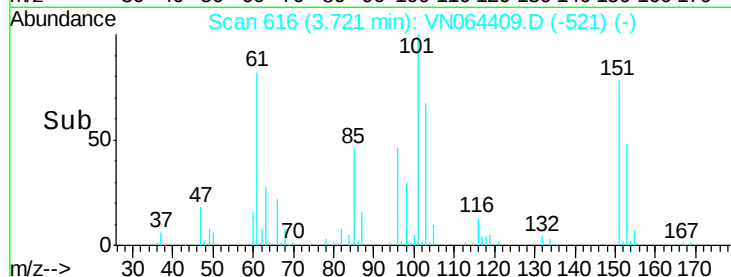
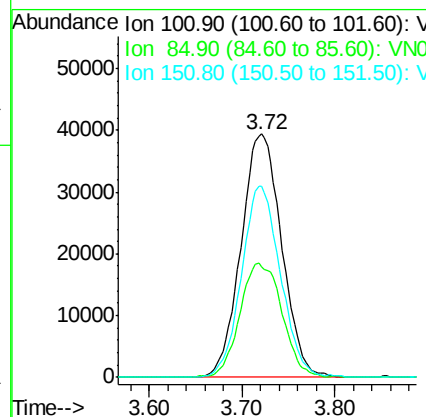
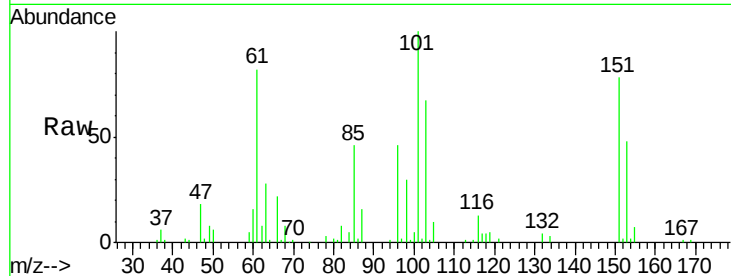
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	119893
Ion Ratio	Lower	Upper	
101	100		
85	48.4	38.4	57.6
151	75.0	62.0	93.0

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#10

Methyl Iodide

Concen: 47.200 ug/l

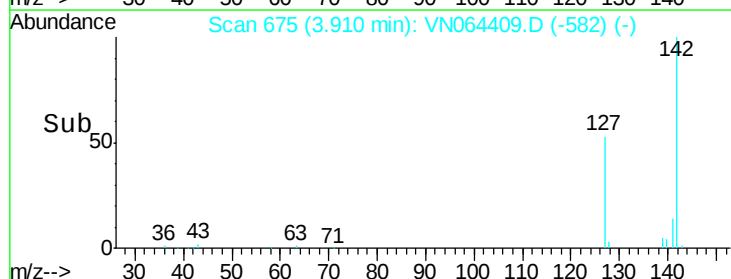
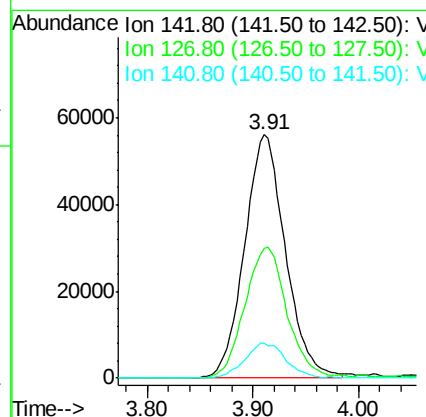
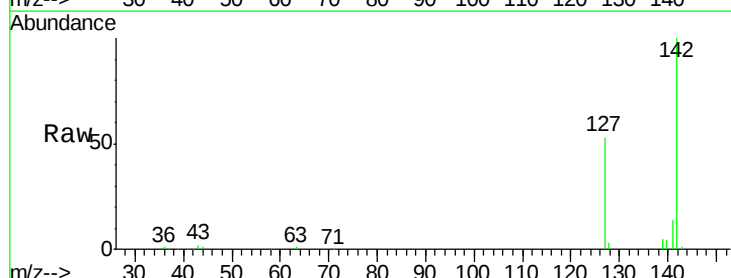
RT: 3.91 min Scan# 675

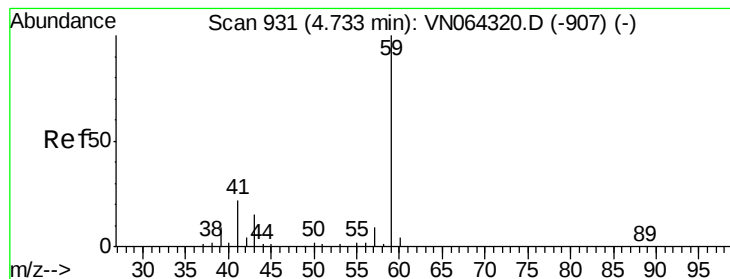
Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Tgt Ion:	142	Resp:	151321
Ion Ratio	Lower	Upper	
142	100		
127	55.6	43.3	64.9
141	14.4	11.5	17.3





#11

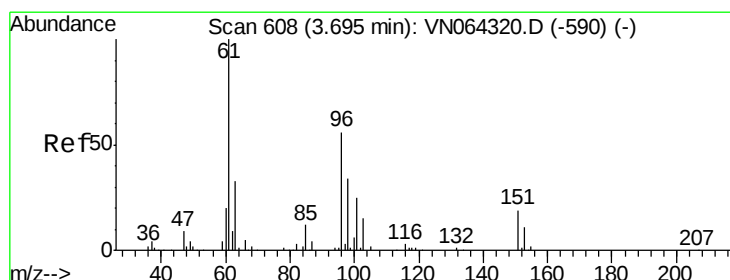
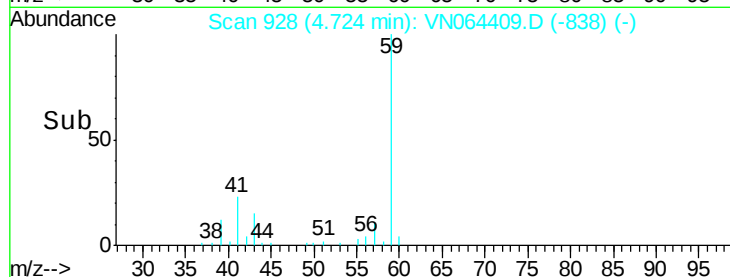
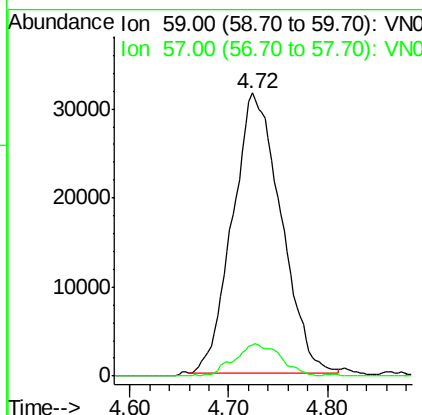
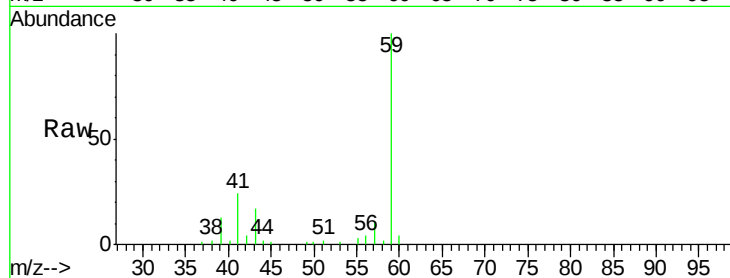
Tert butyl alcohol
 Concen: 192.579 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.4	14.0

Manual Integrations
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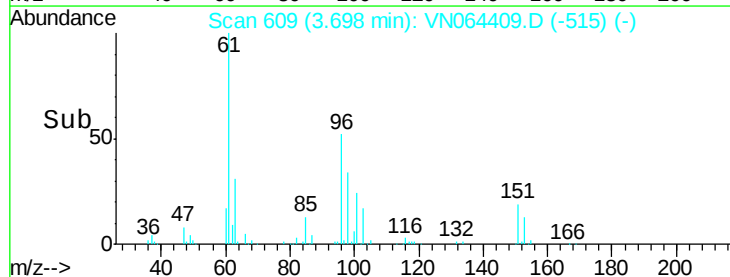
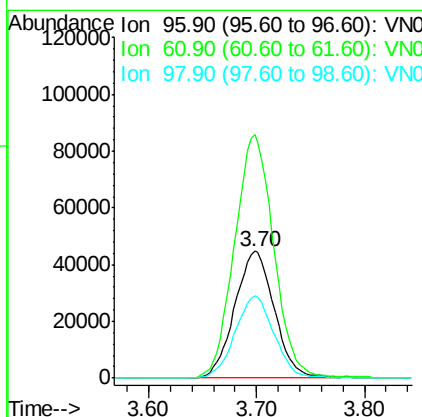
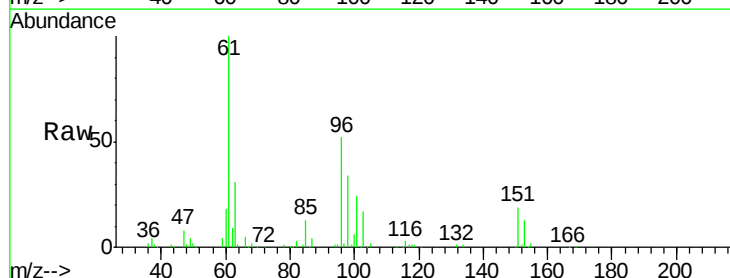
MMDadoda
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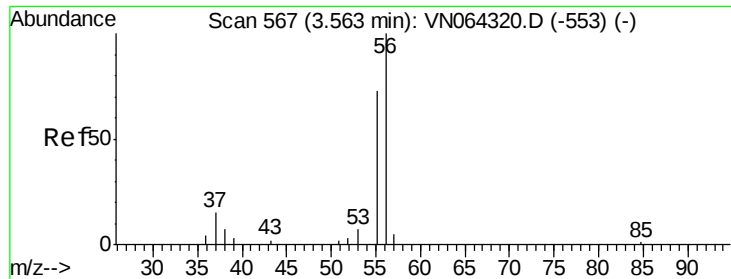


#12

1,1-Dichloroethene
 Concen: 50.244 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.8	143.6	215.4
98	64.4	48.6	73.0





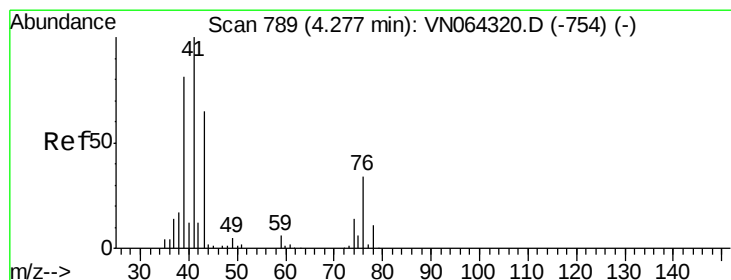
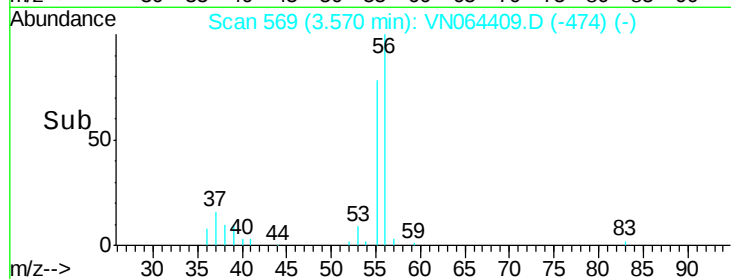
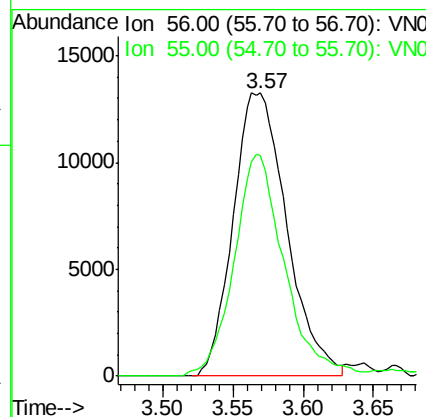
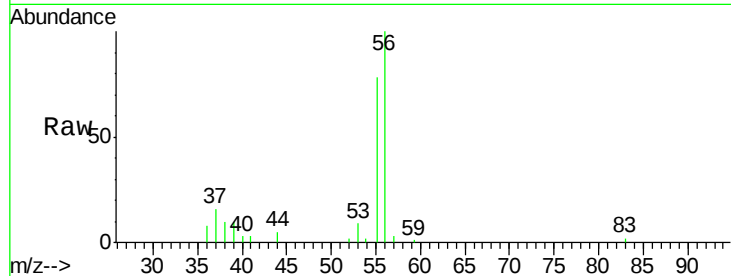
#13
 Acrolein
 Concen: 289.877 ug/l
 RT: 3.57 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.4	62.6	94.0	

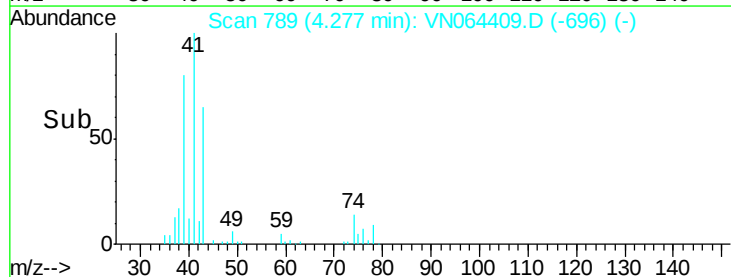
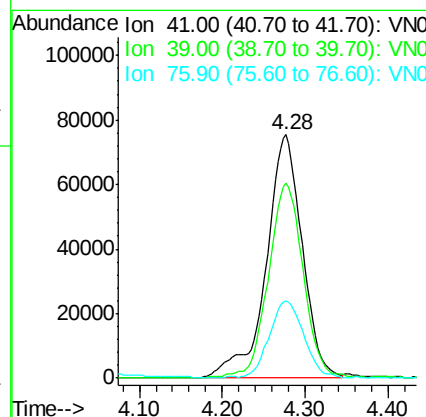
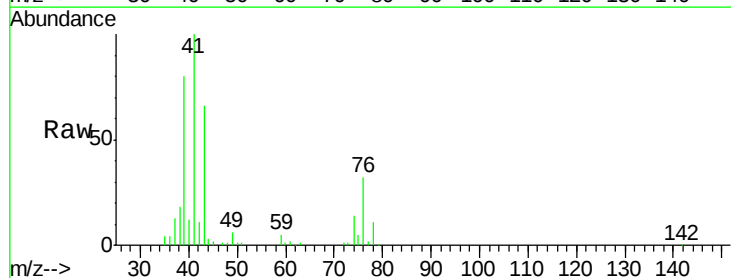
Manual Integrations
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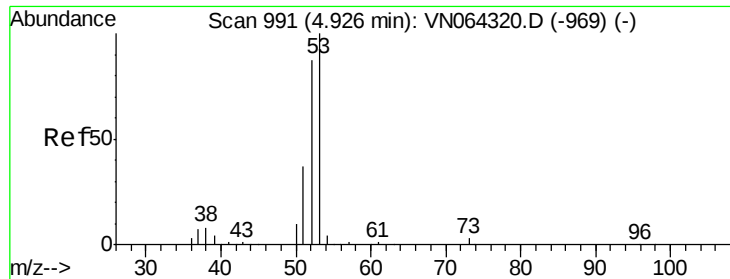
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#14
 Allyl chloride
 Concen: 49.338 ug/l
 RT: 4.28 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	76.6	61.7	92.5	
76	29.7	24.0	36.0	





#15

Acrylonitrile

Concen: 250.212 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

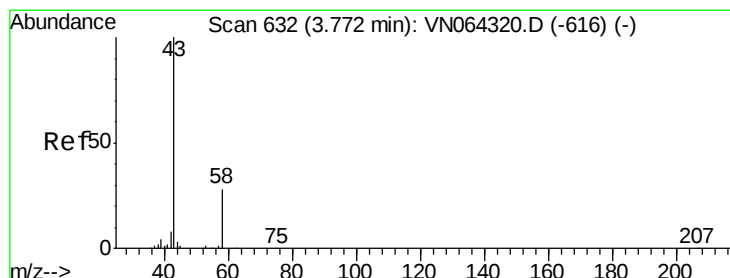
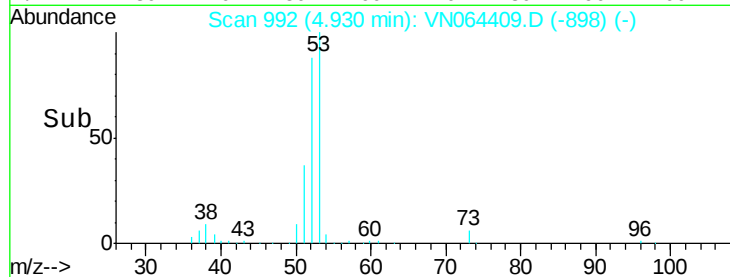
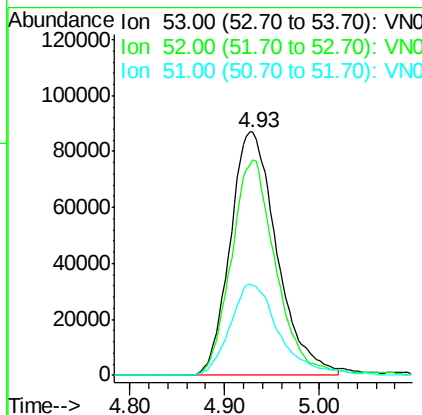
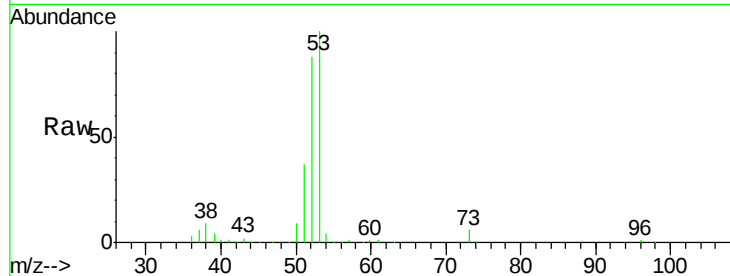
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	297979
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.9	98.9
51	39.2	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 223.486 ug/l

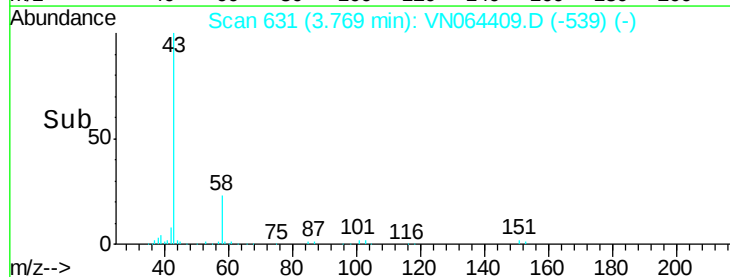
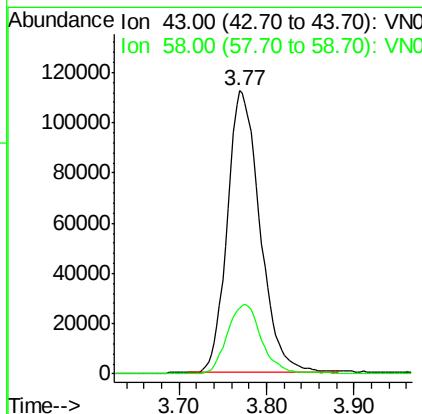
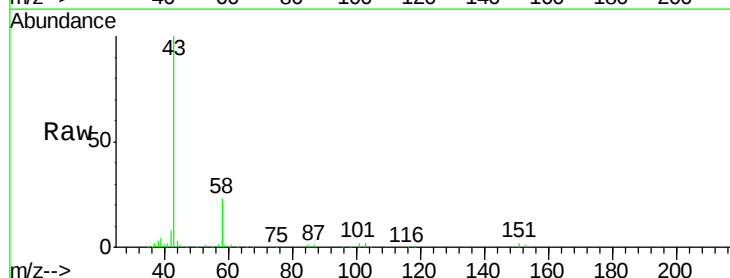
RT: 3.77 min Scan# 631

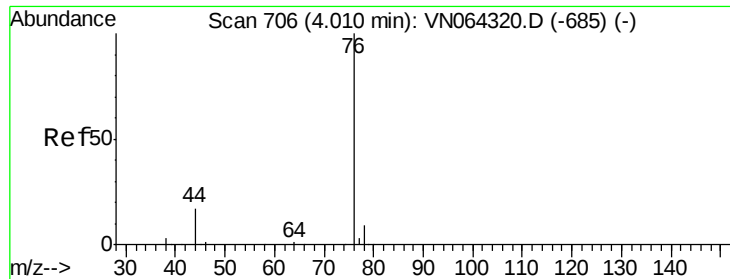
Delta R.T. -0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Tgt Ion:	43	Resp:	291675
Ion	Ratio	Lower	Upper
43	100		
58	23.5	22.1	33.1





#17

Carbon Disulfide

Concen: 47.308 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 317452

Ion Ratio Lower Upper

76 100

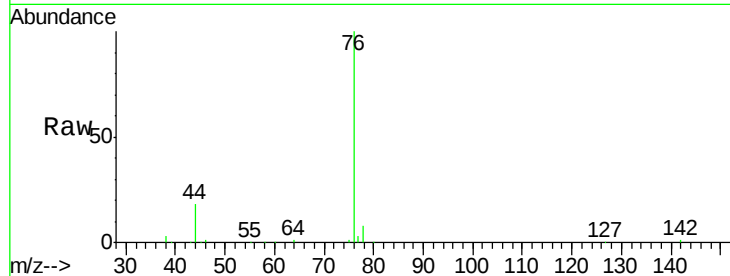
78 7.7 7.3 10.9

Manual Integrations

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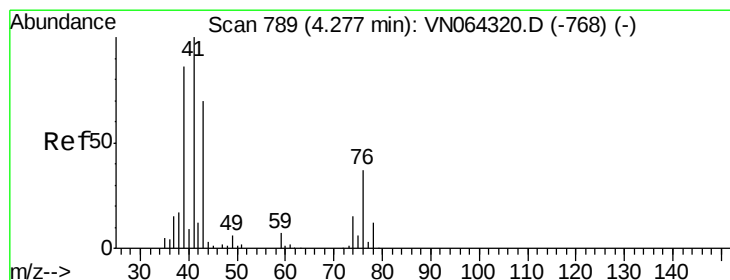
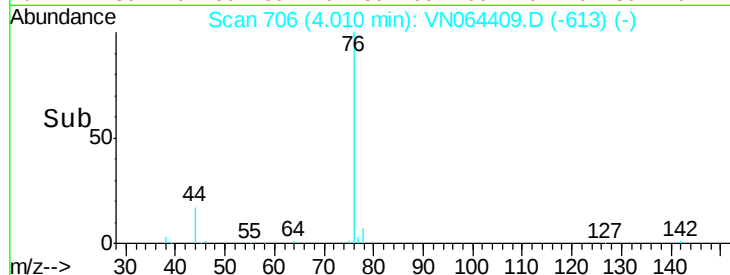
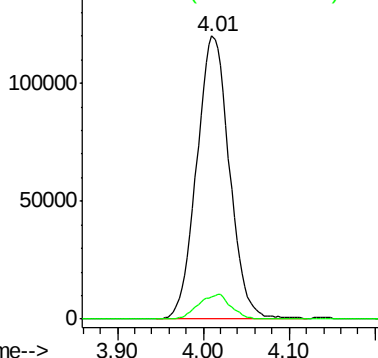
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 50.441 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064409.D

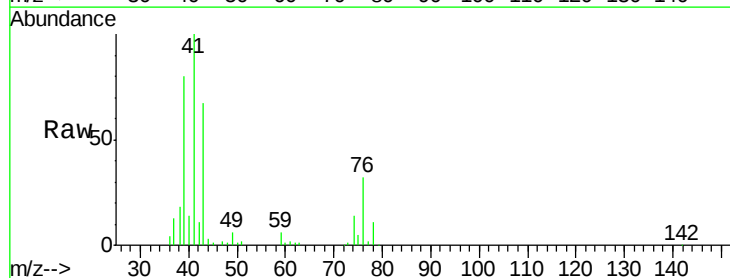
Acq: 30 Oct 2020 18:50

Tgt Ion: 43 Resp: 144549

Ion Ratio Lower Upper

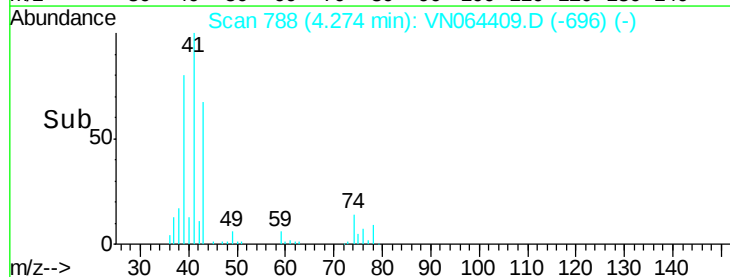
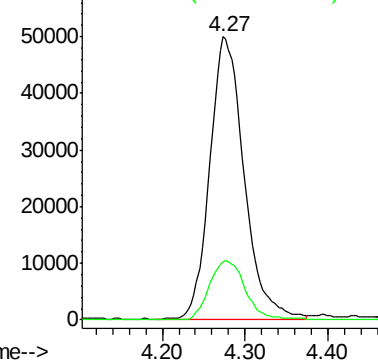
43 100

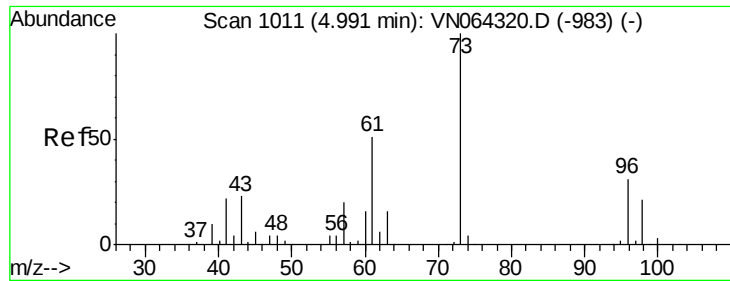
74 21.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





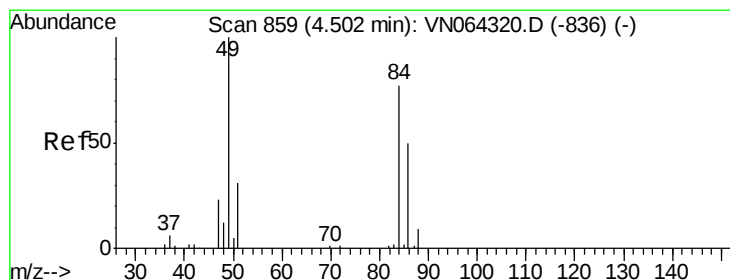
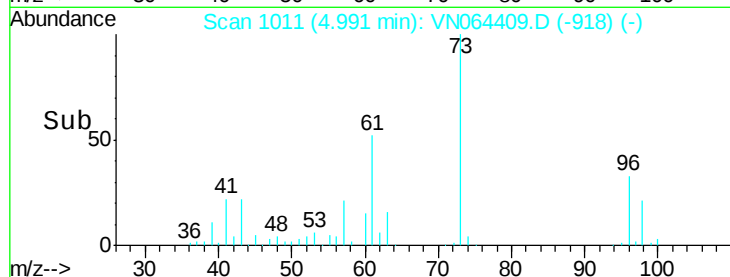
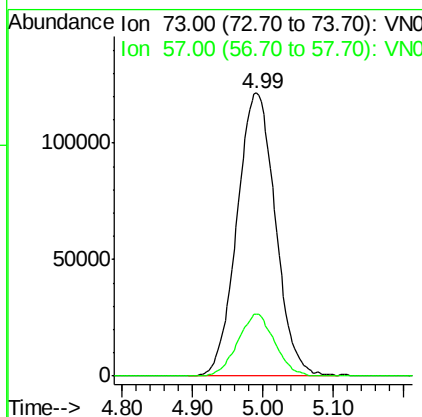
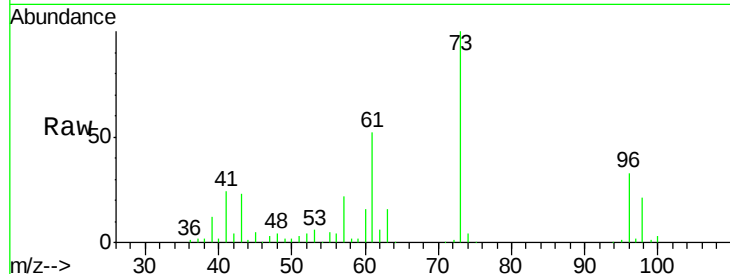
#19
Methvl tert-butvl Ether
Concen: 52.933 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 461263
Ion Ratio Lower Upper
73 100
57 21.8 16.1 24.1

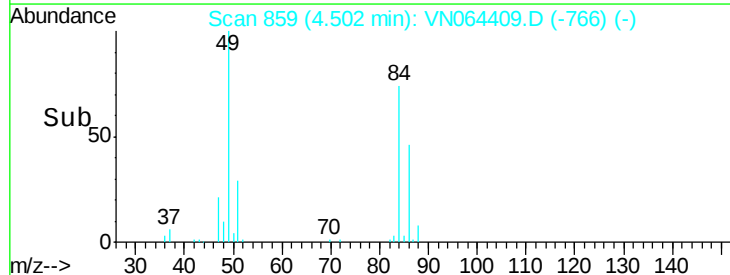
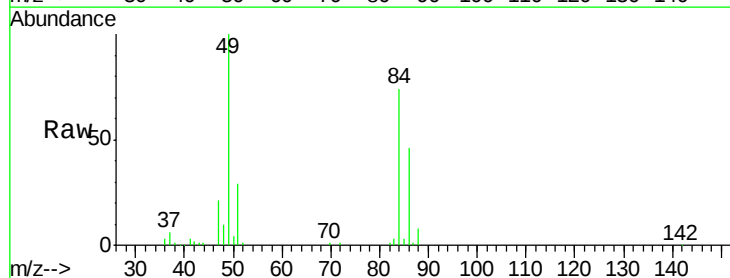
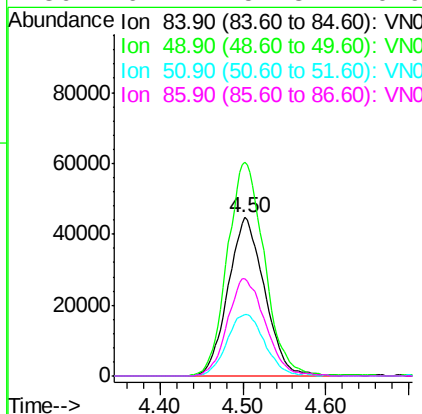
Manual Integrations
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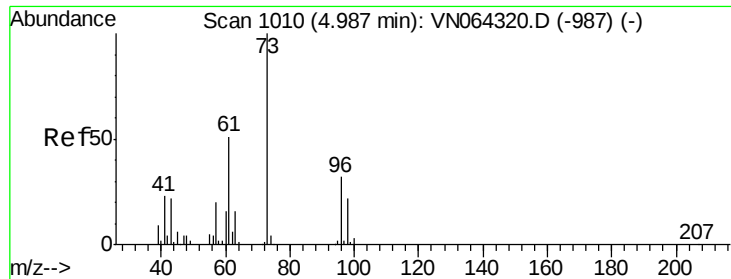
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#20
Methylene Chloride
Concen: 50.701 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion: 84 Resp: 137172
Ion Ratio Lower Upper
84 100
49 134.6 103.6 155.4
51 38.6 31.8 47.8
86 61.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.895 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 128768

Ion Ratio Lower Upper

96 100

61 158.0 128.2 192.2

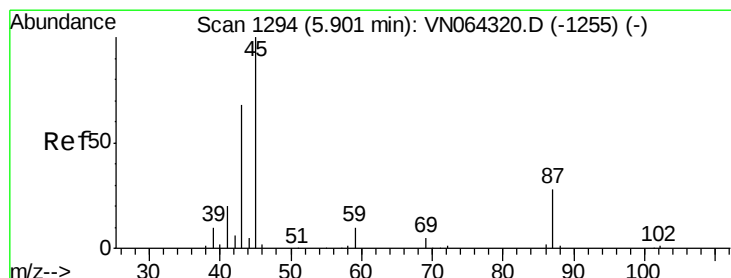
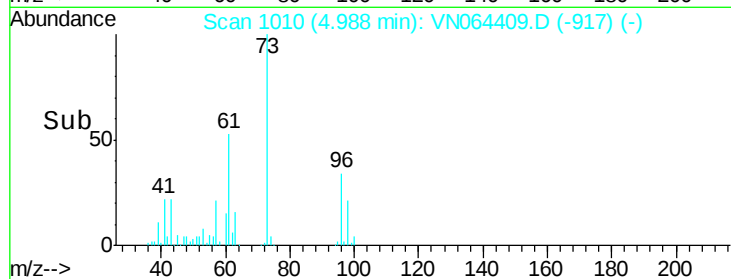
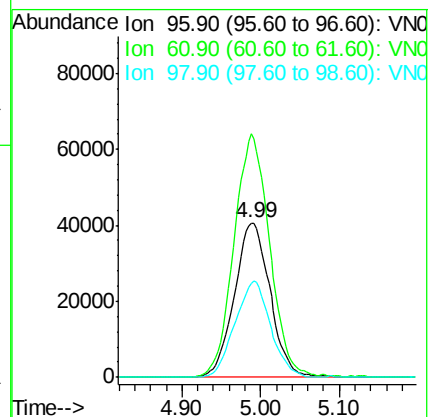
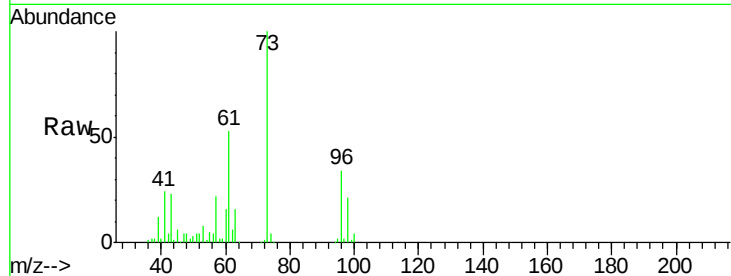
98 61.1 56.1 84.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.190 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Tgt Ion: 45 Resp: 481465

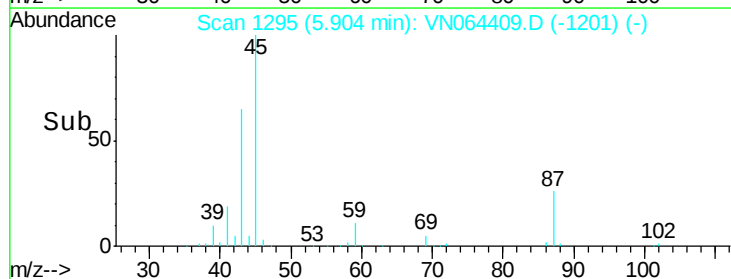
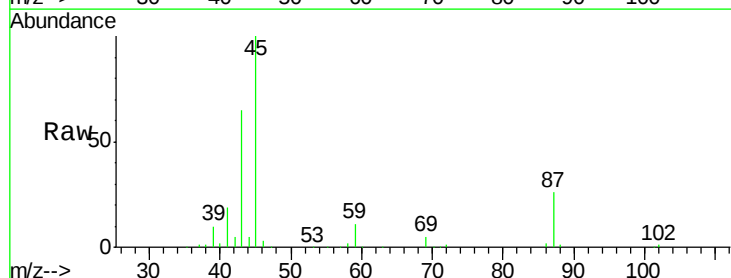
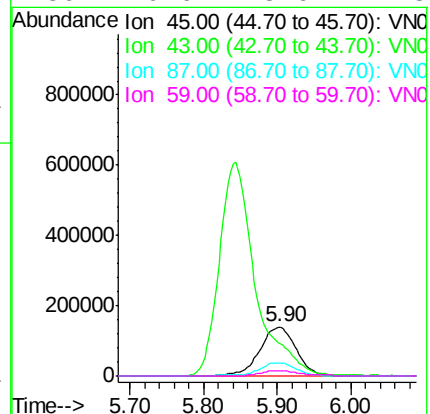
Ion Ratio Lower Upper

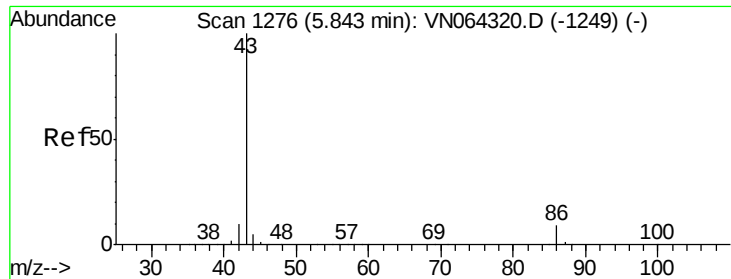
45 100

43 63.2 54.6 82.0

87 25.4 22.6 33.8

59 10.6 8.6 12.8





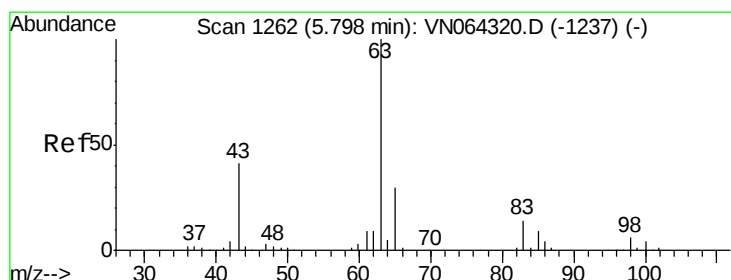
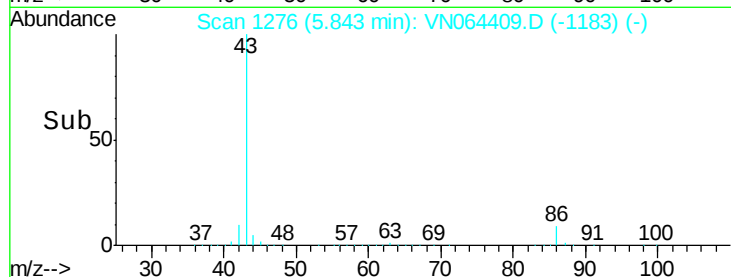
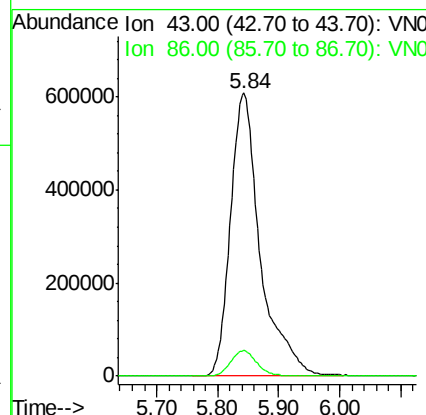
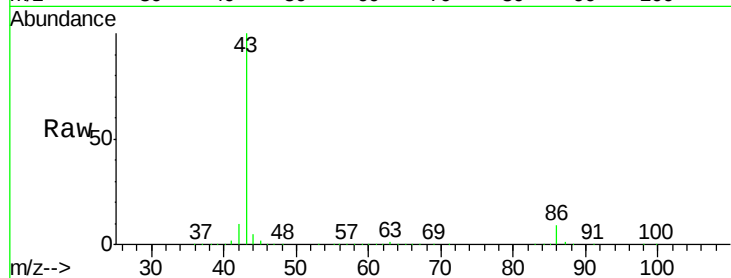
#23
 Vinyl Acetate
 Concen: 270.294 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2069919
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.3 10.9

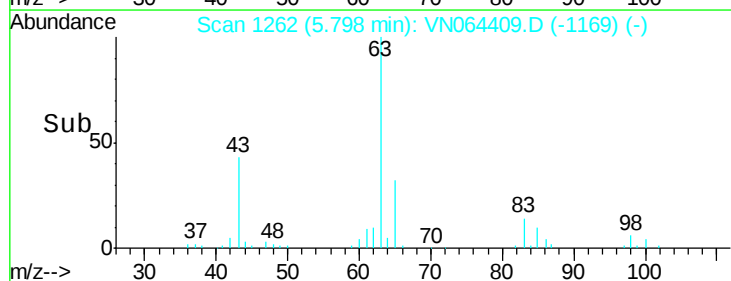
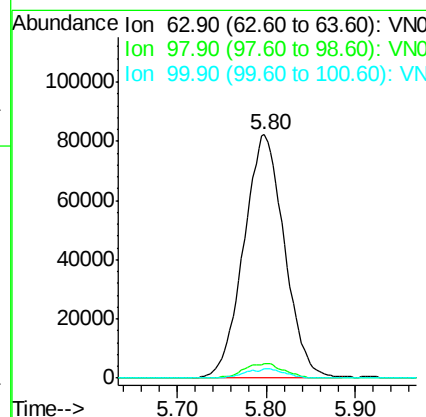
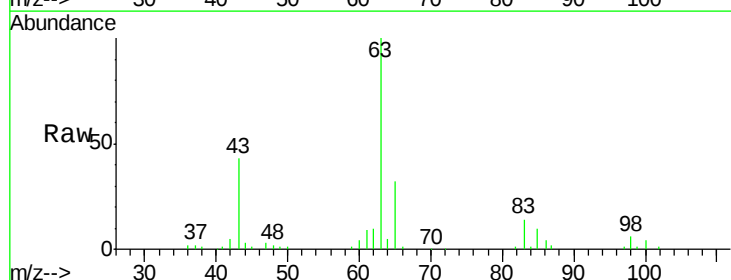
Manual Integrations
 APPROVED

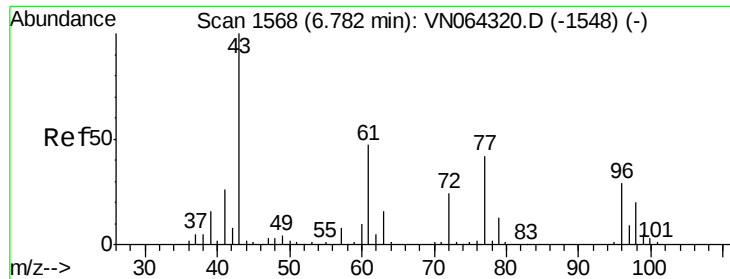
MMDadoda
 11/2/2020 4:12:11 PM



#24
 1,1-Dichloroethane
 Concen: 51.528 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion: 63 Resp: 260995
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.1 9.4
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 233.147 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 446580

Ion Ratio Lower Upper

43 100

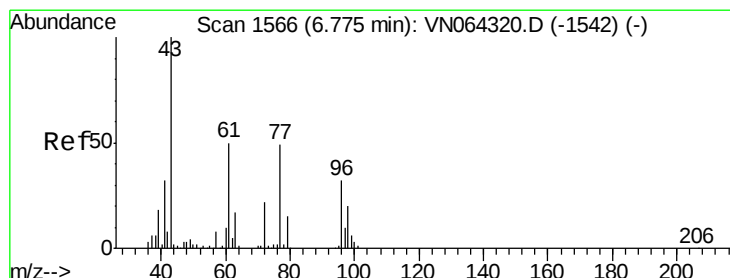
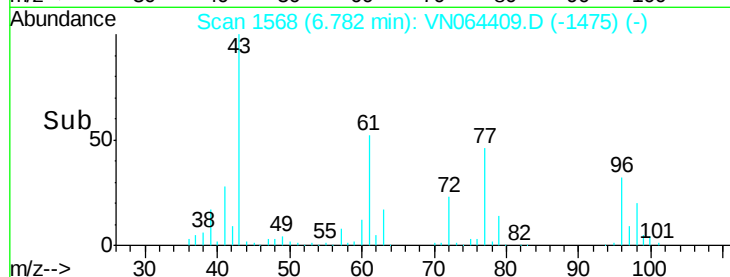
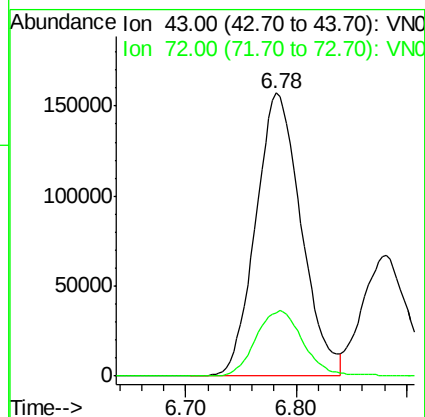
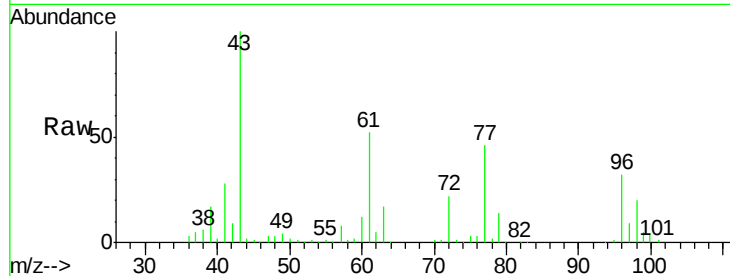
72 22.5 18.8 28.2

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#26

2,2-Dichloropropane

Concen: 48.176 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064409.D

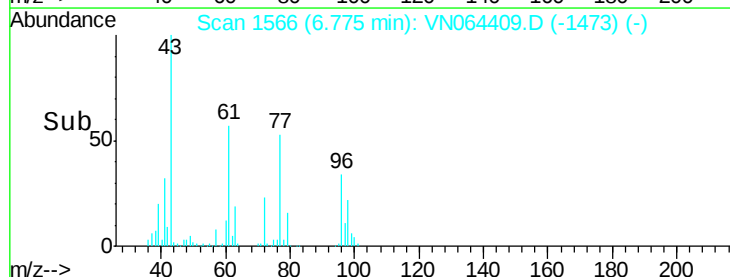
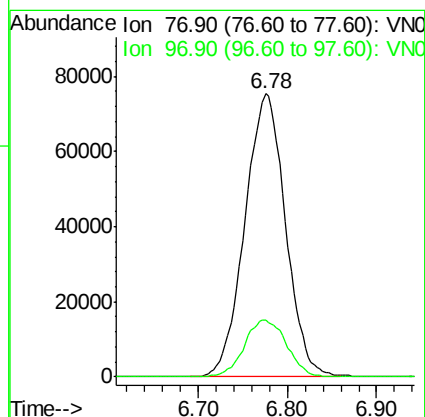
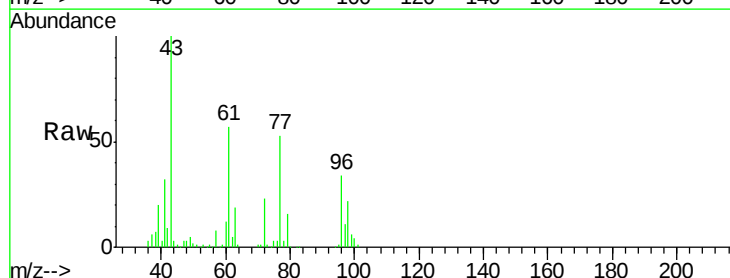
Acq: 30 Oct 2020 18:50

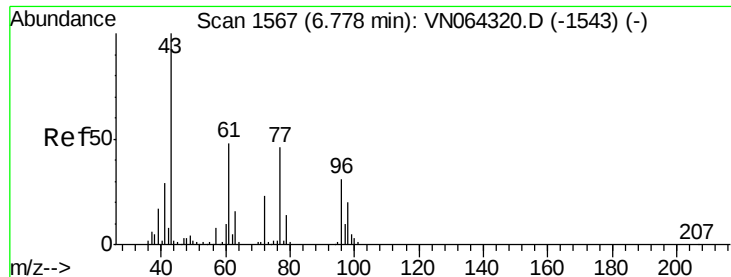
Tgt Ion: 77 Resp: 238817

Ion Ratio Lower Upper

77 100

97 20.8 10.2 30.6





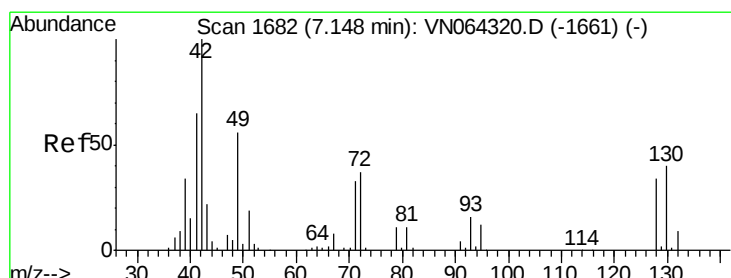
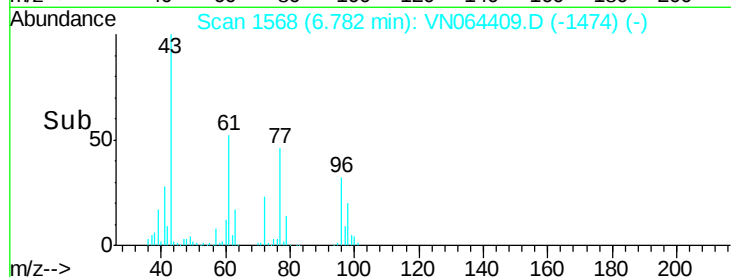
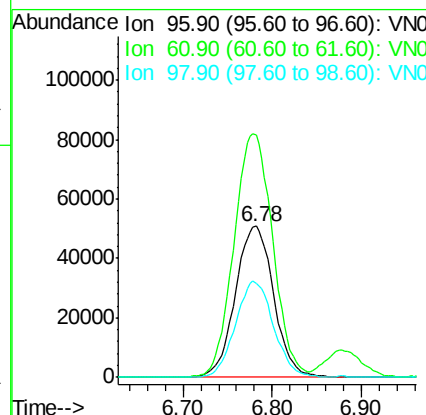
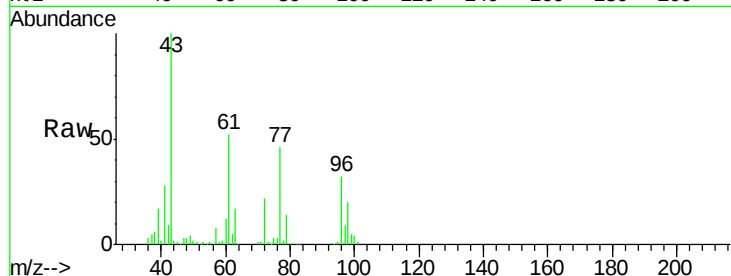
#27
 cis-1,2-Dichloroethene
 Concen: 52.320 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	151492		
61	163.1	0.0	325.0	
98	63.2	0.0	128.4	

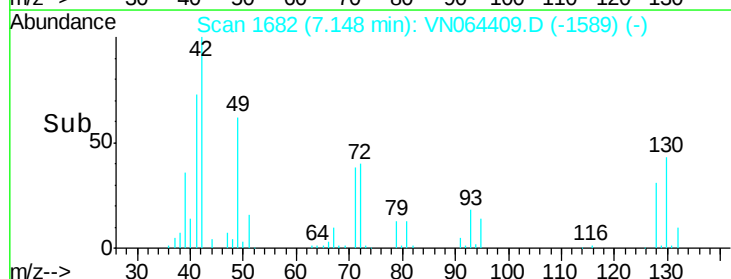
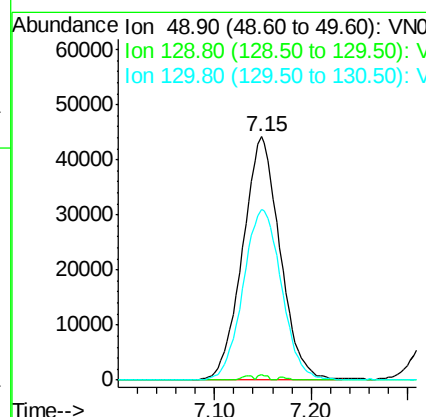
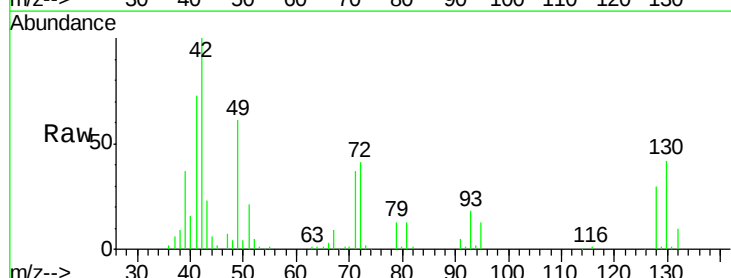
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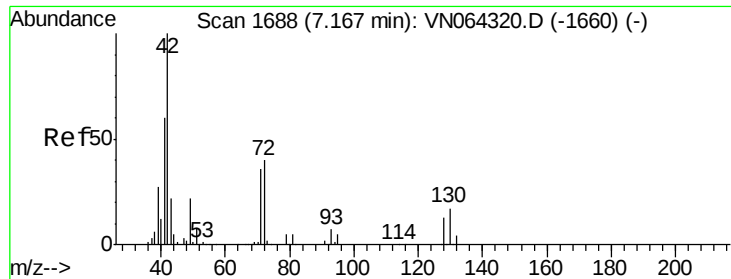
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#28
 Bromochloromethane
 Concen: 49.234 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118814		
129	0.5	0.0	2.8	
130	72.0	56.2	84.2	





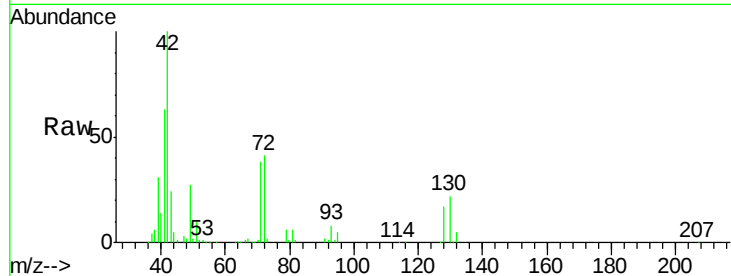
#29
Tetrahydrofuran
Concen: 237.549 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

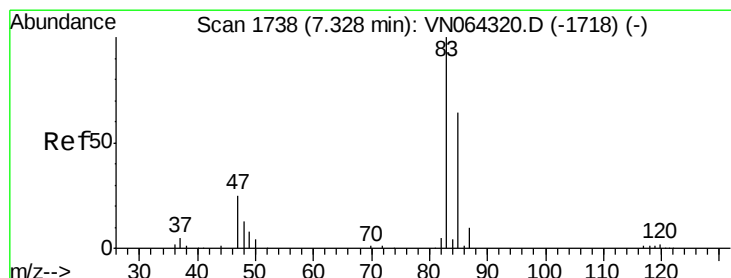
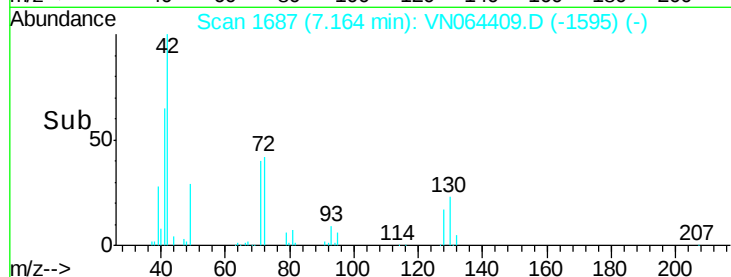
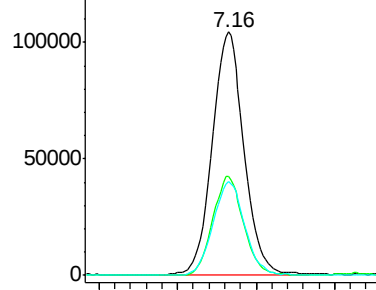
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.6	47.4
71	38.6	29.4	44.0

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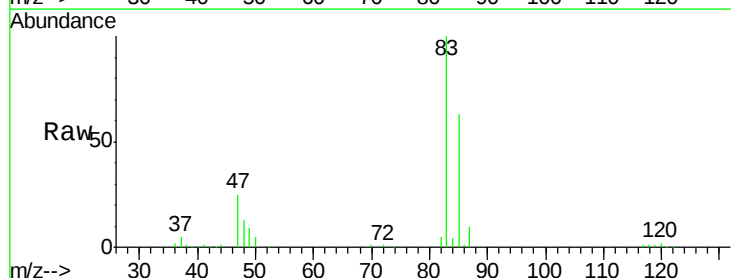


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

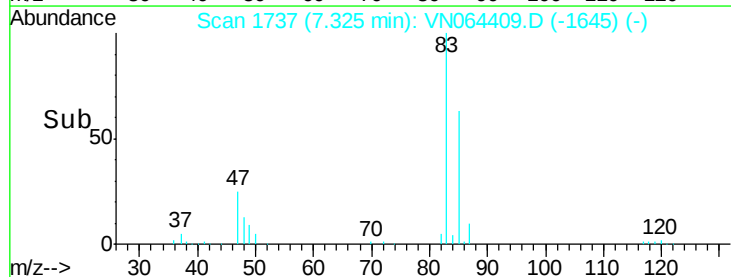
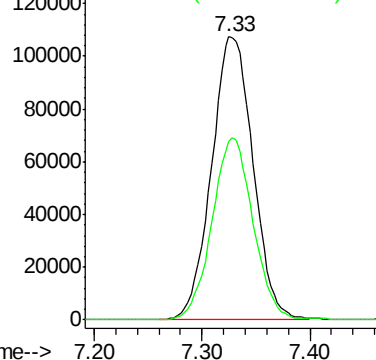


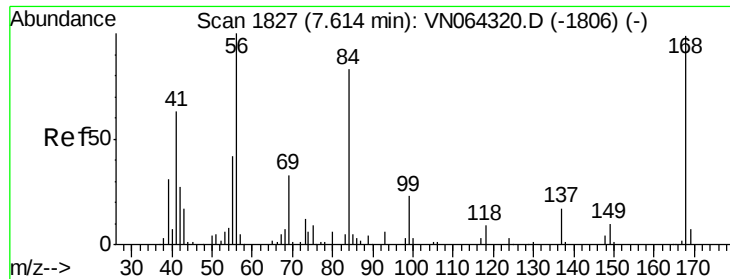
#30
Chloroform
Concen: 53.160 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





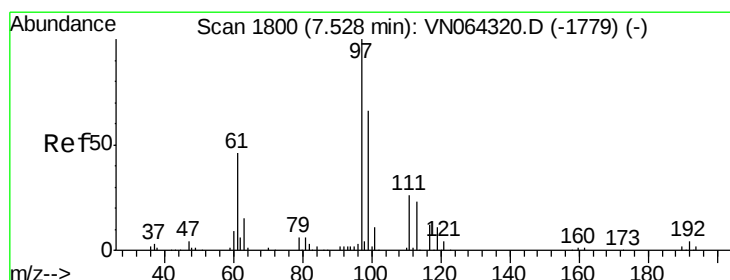
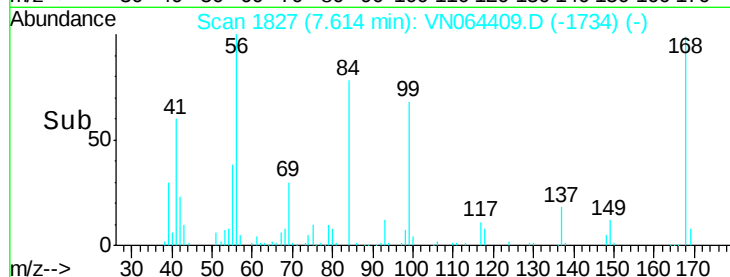
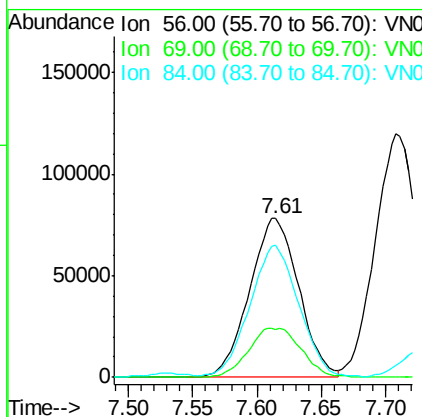
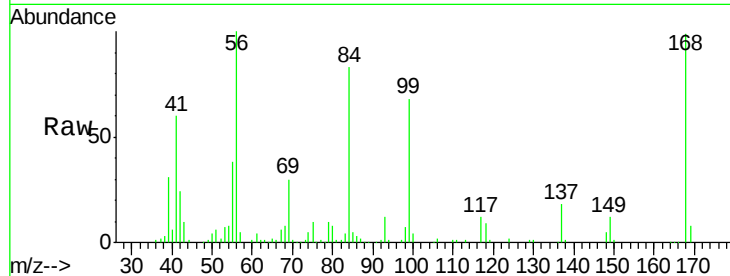
#31
Cyclohexane
Concen: 47.015 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.8	38.8
84	81.5	66.3	99.5

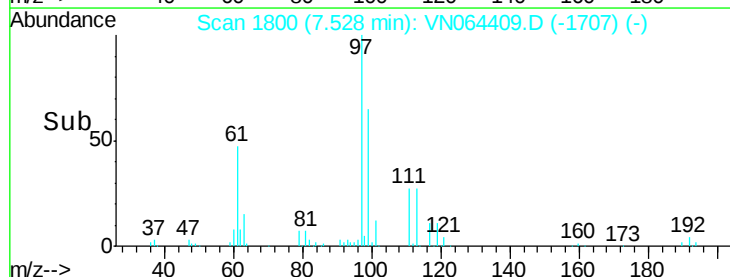
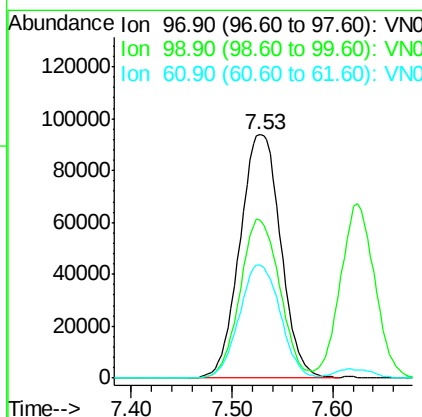
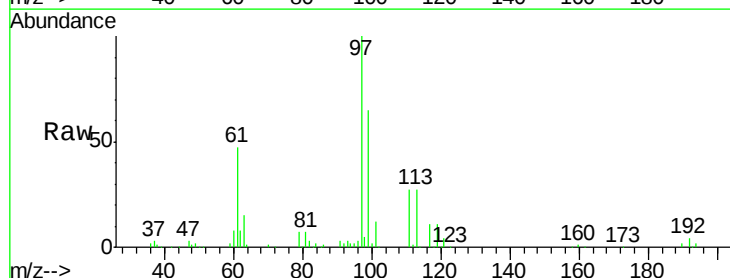
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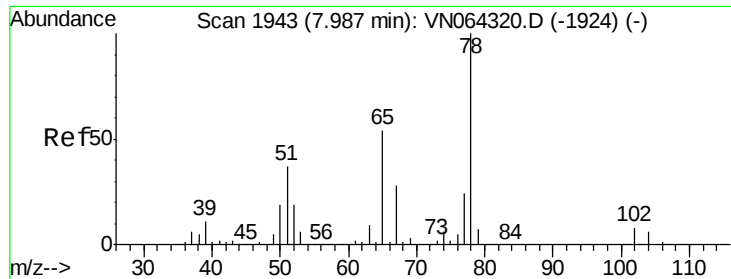
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.688 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	46.7	35.8	53.6





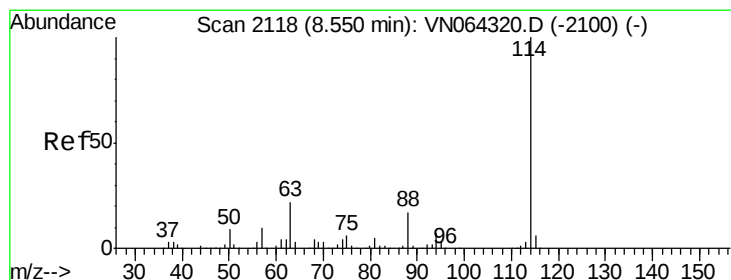
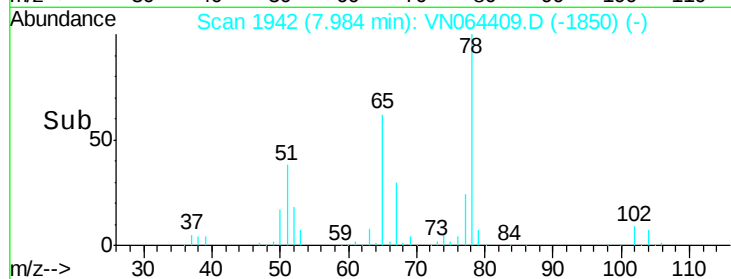
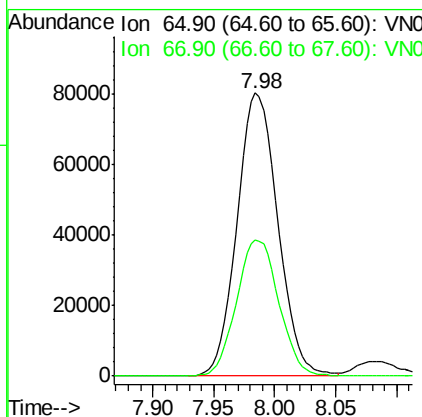
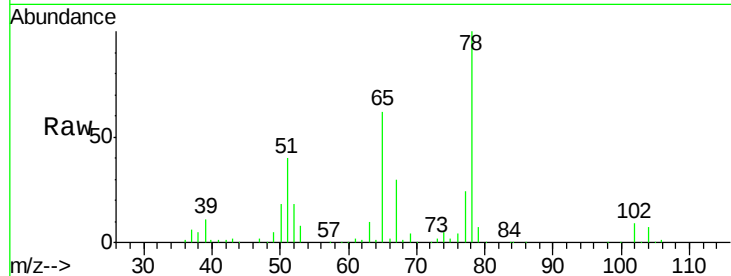
#33
 1,2-Dichloroethane-d4
 Concen: 48.823 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.8	0.0	99.2	

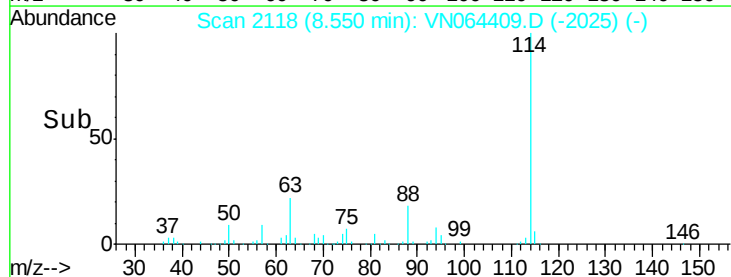
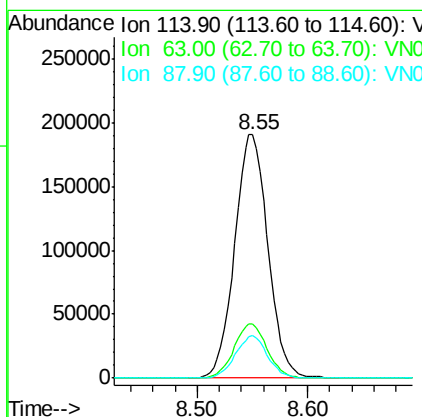
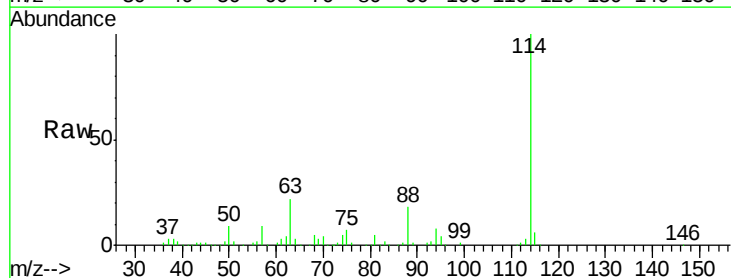
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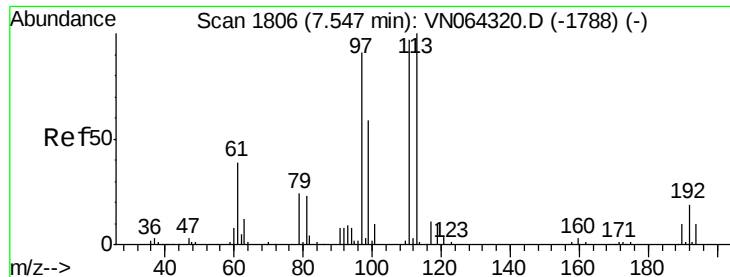
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 11/2/2020 4:12:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	44.6	
88	17.7	0.0	33.4	





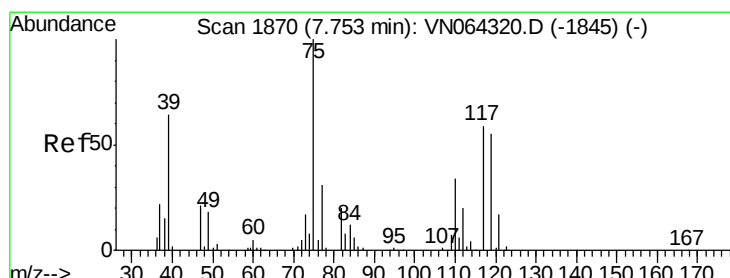
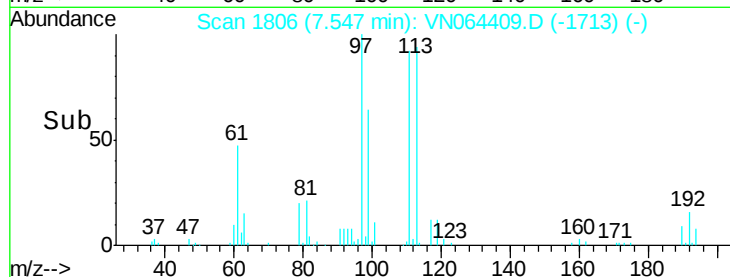
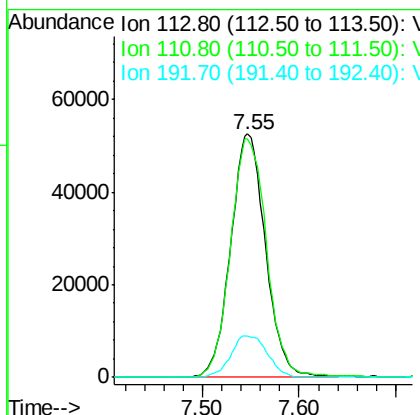
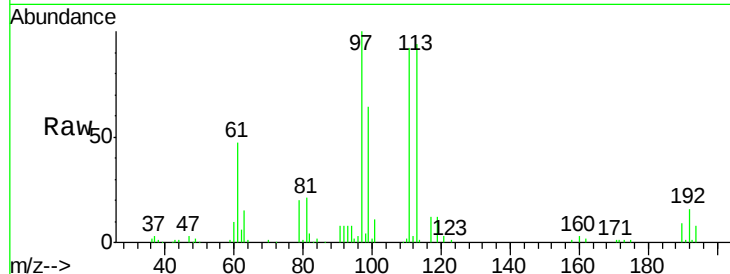
#35
 Dibromofluoromethane
 Concen: 49.585 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131471		
111	101.4	81.5	122.3	
192	17.9	15.0	22.4	

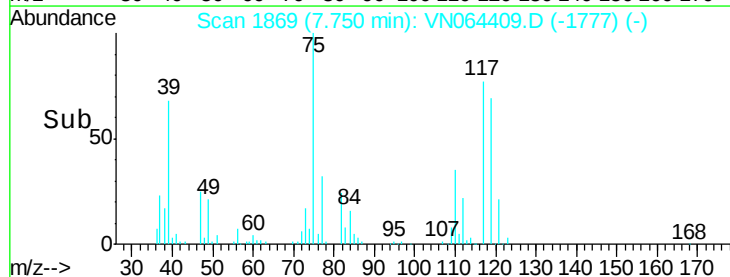
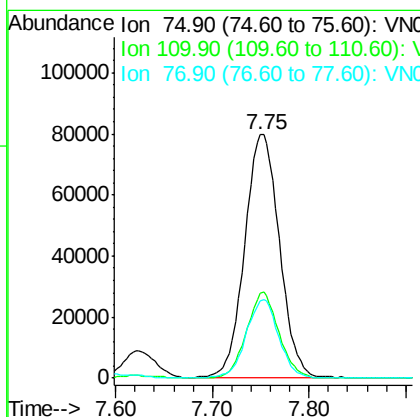
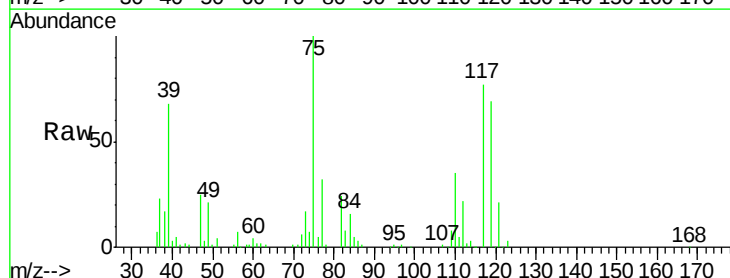
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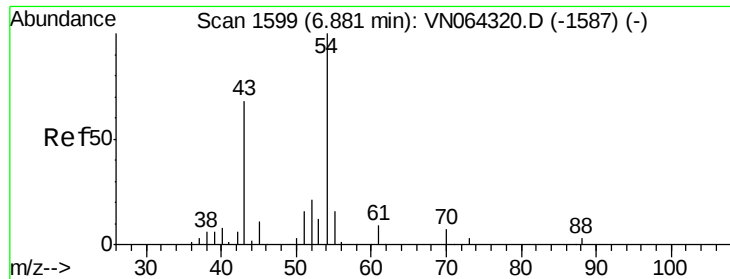
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 11/2/2020 4:12:11 PM



#36
 1,1-Dichloropropene
 Concen: 49.512 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198673		
110	32.9	16.8	50.3	
77	30.5	24.2	36.4	





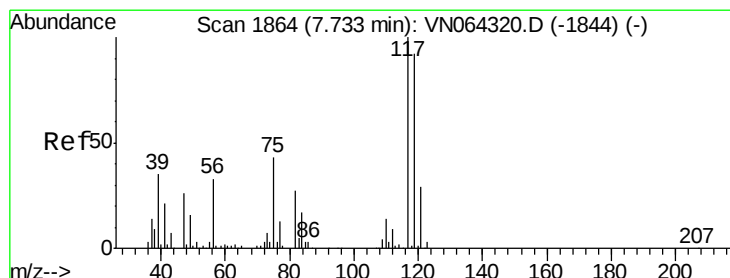
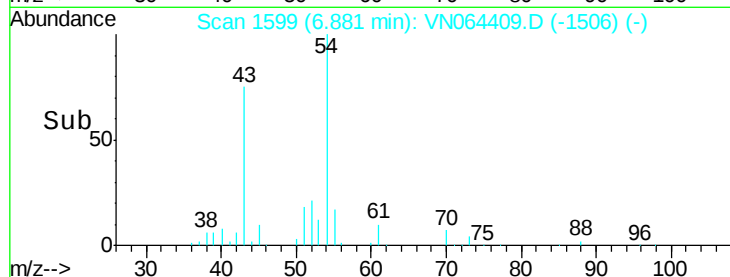
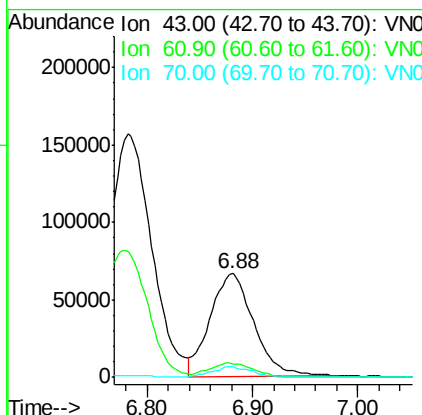
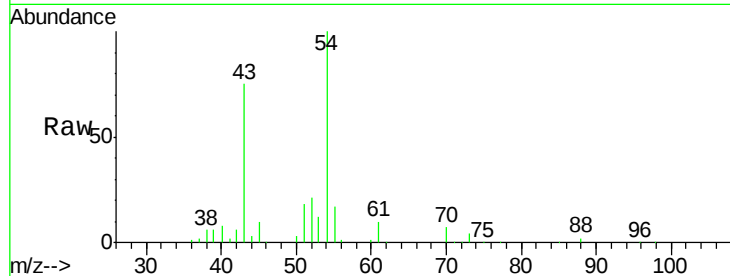
#37
Ethyl Acetate
Concen: 47.052 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.0	15.0
70	9.2	7.1	10.7

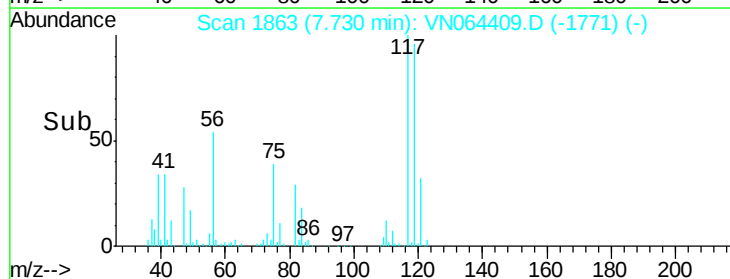
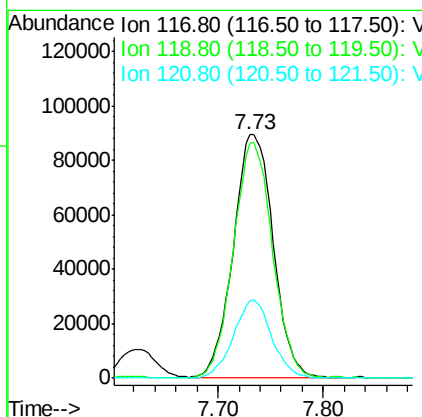
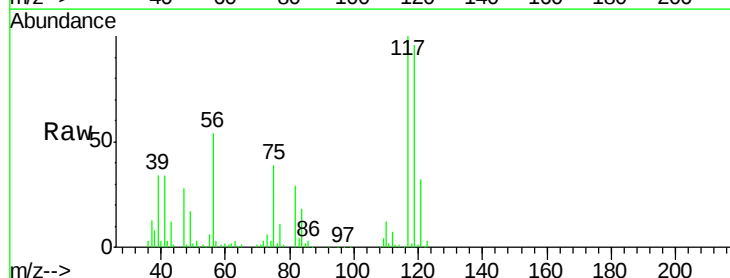
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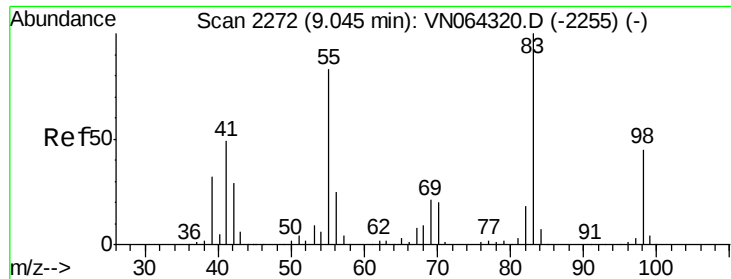
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11/2/2020 4:12:11 PM



#38
Carbon Tetrachloride
Concen: 50.470 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	73.7	110.5
121	31.7	22.8	34.2





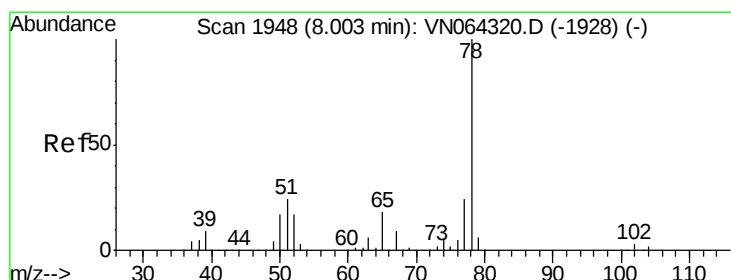
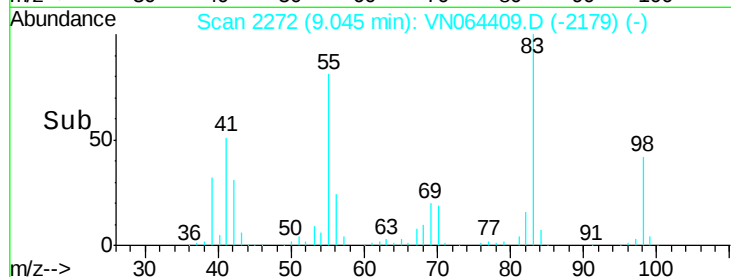
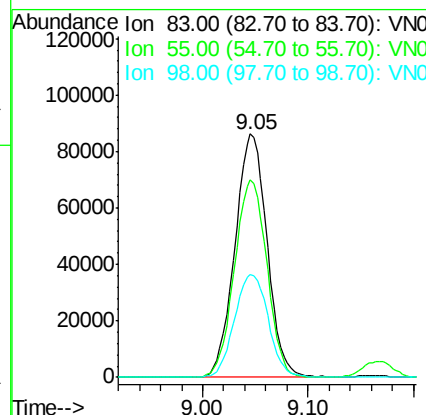
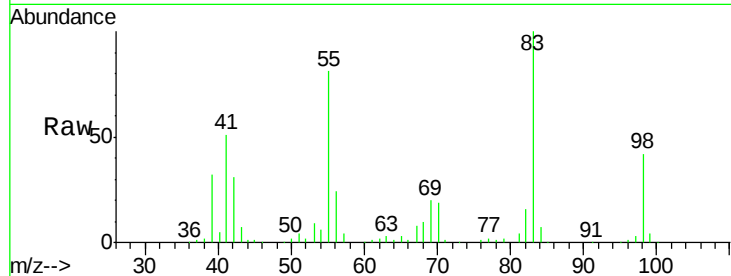
#39
Methvlcvclohexane
Concen: 45.816 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	66.2	99.4
98	42.1	36.0	54.0

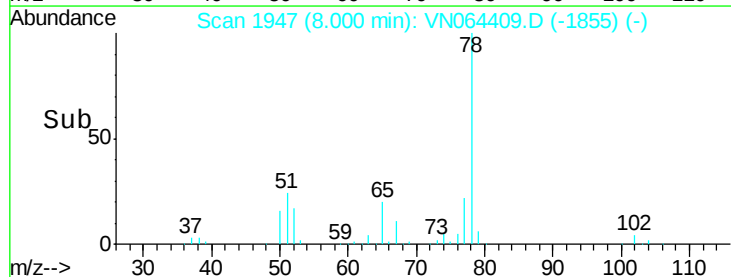
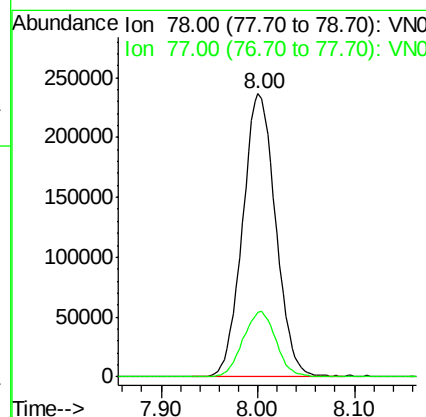
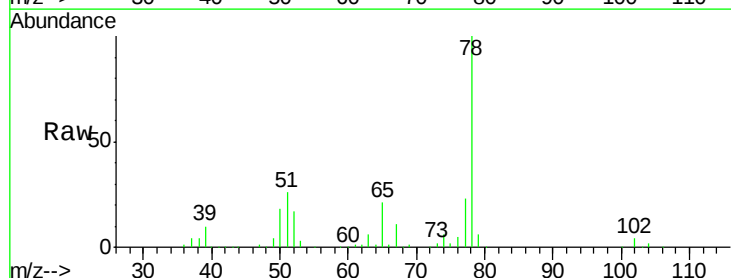
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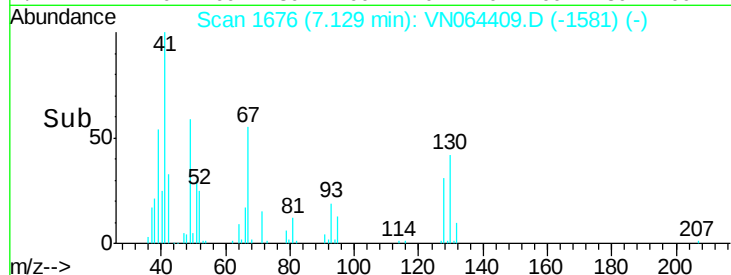
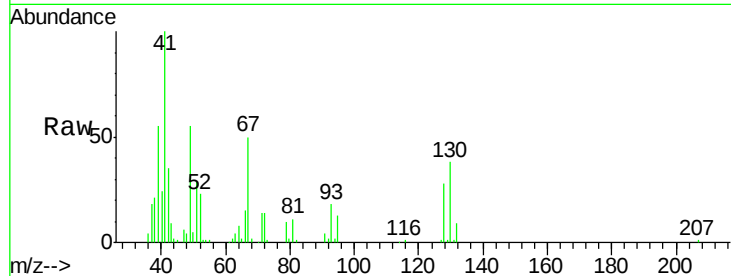
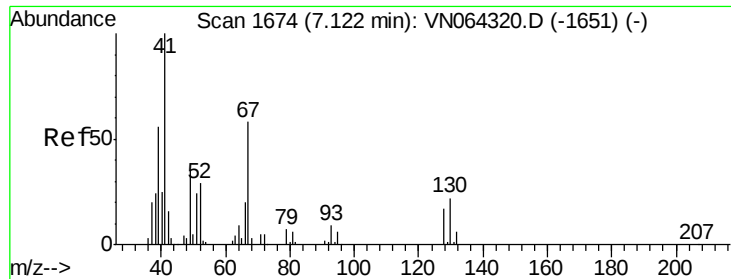
MMDadoda
11/2/2020 4:12:11 PM



#40
Benzene
Concen: 50.340 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2





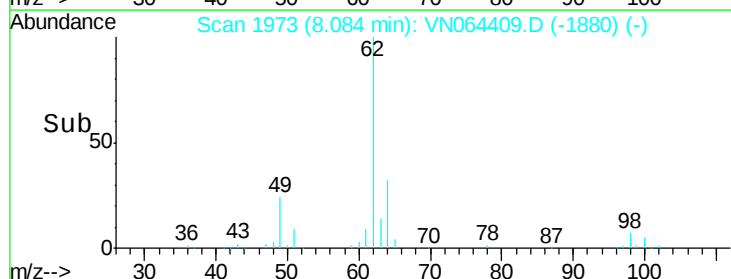
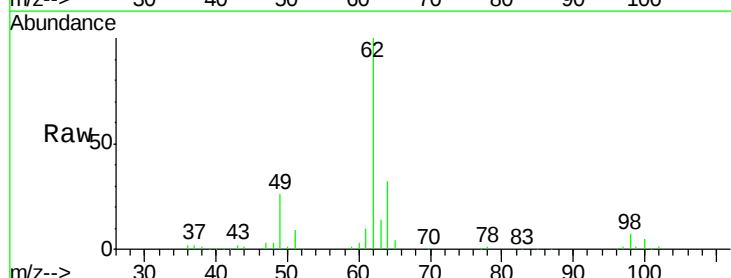
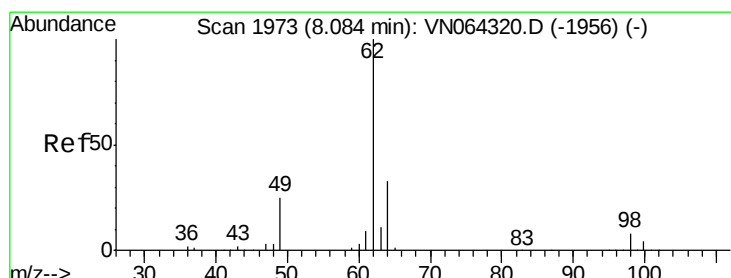
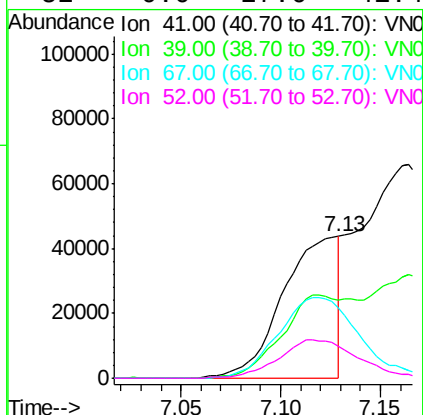
#41
Methacrylonitrile
Concen: 42.361 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.6	72.8#
67	0.0	61.4	92.2#
52	0.0	27.6	41.4#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

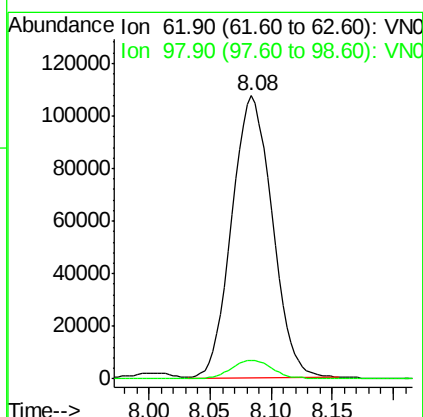
Manual Integrations
APPROVED

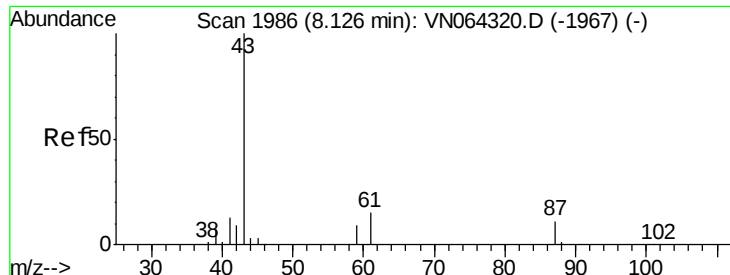
MMDadoda
11/2/2020 4:12:11 PM



#42
1,2-Dichloroethane
Concen: 51.350 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	14.2





#43

Isopropyl Acetate

Concen: 50.762 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

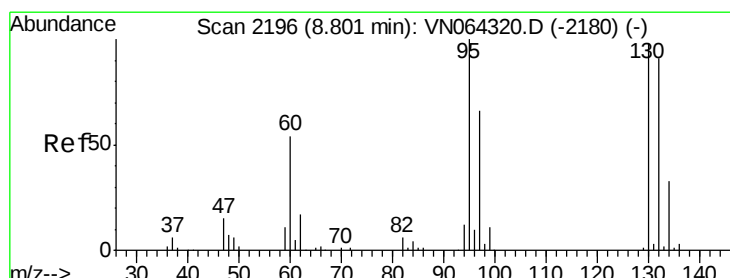
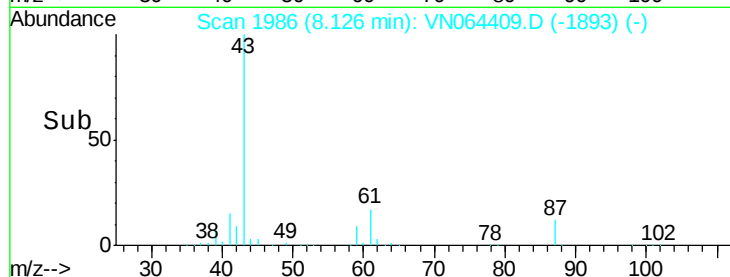
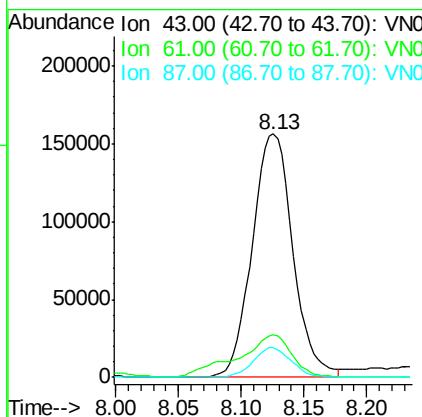
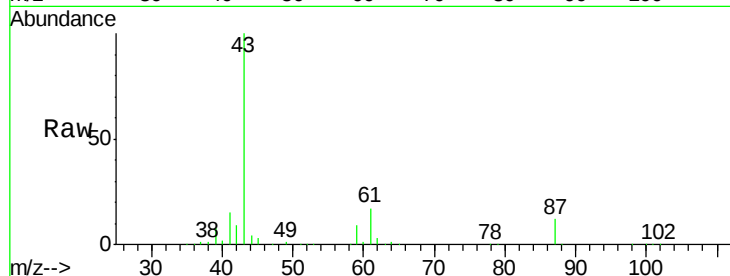
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	351704
Ion	Ratio	Lower	Upper
43	100		
61	22.8	19.1	28.7
87	11.6	9.3	13.9

Manual Integrations
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11/2/2020 4:12:11 PM



#44

Trichloroethene

Concen: 51.173 ug/l

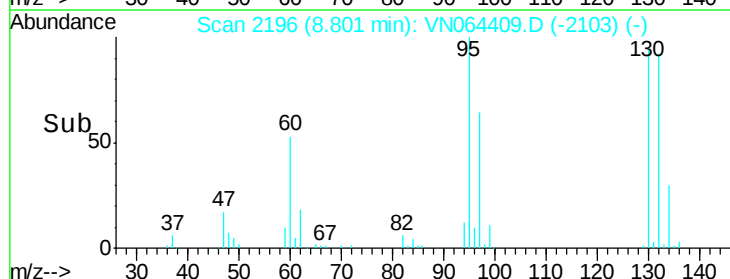
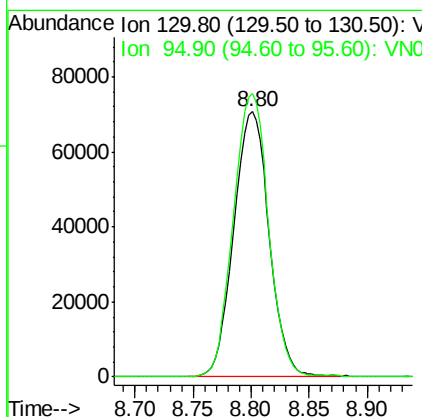
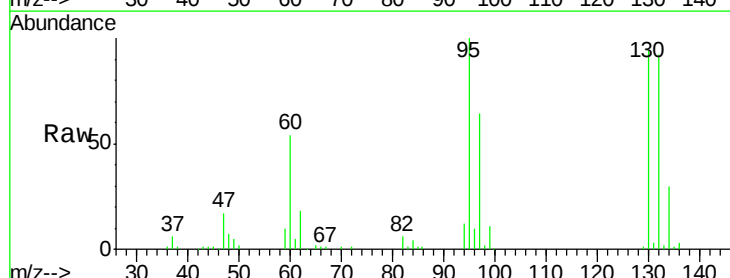
RT: 8.80 min Scan# 2196

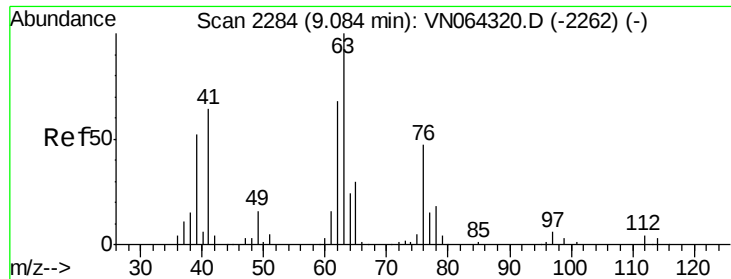
Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Tgt Ion:	130	Resp:	149729
Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	203.6





#45

1,2-Dichloropropane

Concen: 50.693 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 151620

Ion Ratio Lower Upper

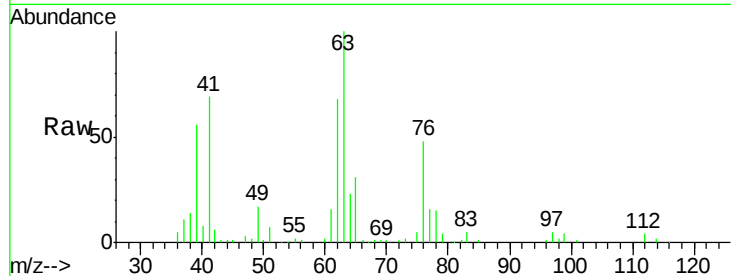
63 100

65 31.0 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VN064409.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN064409.D (-2191) (-)

9.08

80000

60000

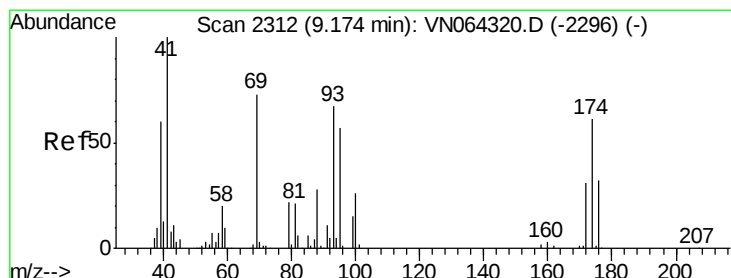
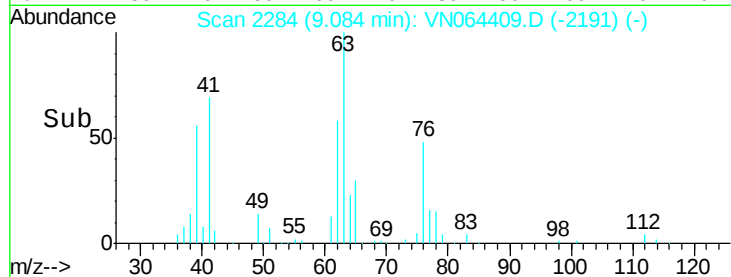
40000

20000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 51.821 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

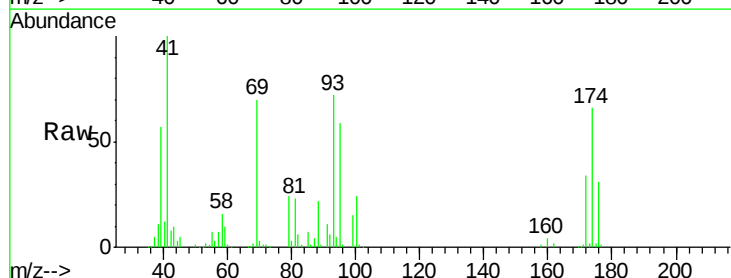
Tgt Ion: 93 Resp: 108430

Ion Ratio Lower Upper

93 100

95 83.3 64.4 96.6

174 89.9 71.4 107.0



Abundance Ion 92.80 (92.50 to 93.50): VN064409.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN064409.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN064409.D (-2219) (-)

9.17

60000

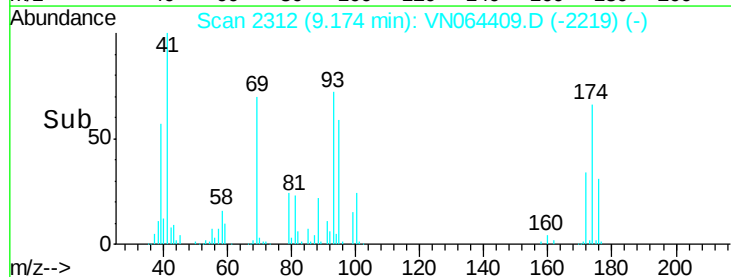
40000

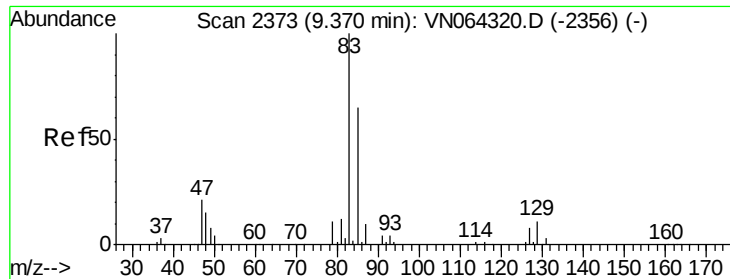
20000

0

9.10 9.15 9.20 9.25

Time-->





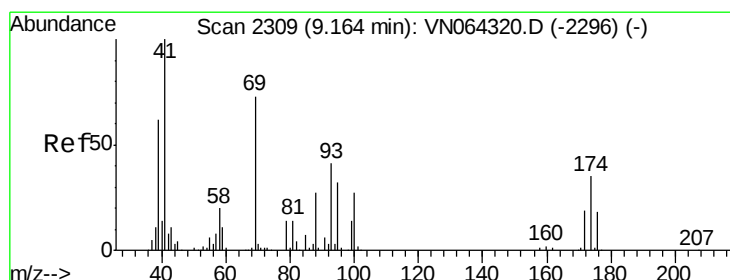
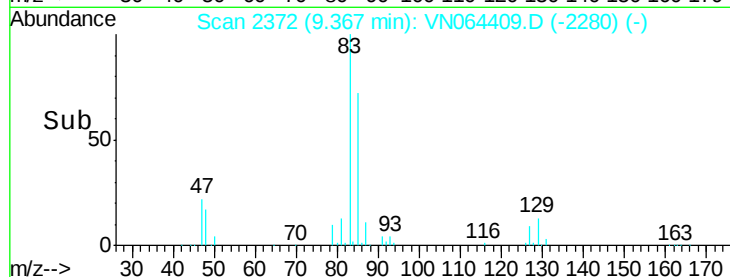
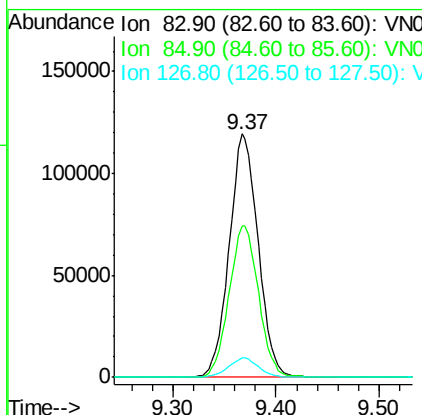
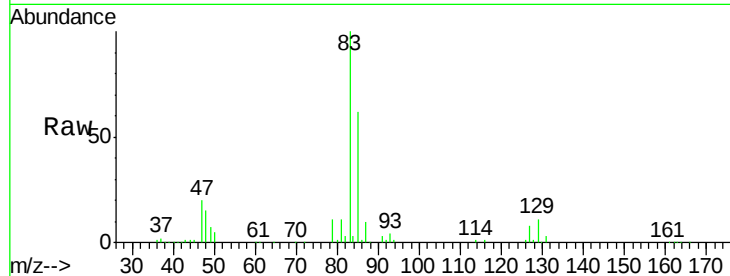
#47
Bromodichloromethane
Concen: 50.234 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.1	78.1
127	7.8	6.7	10.1

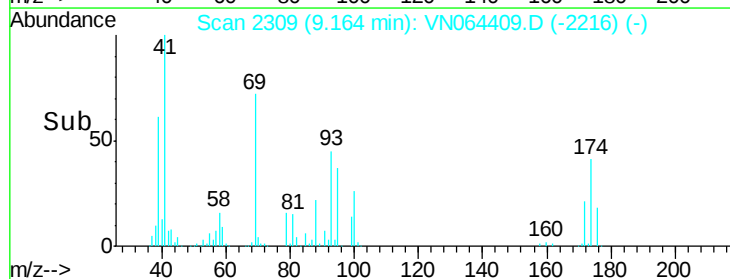
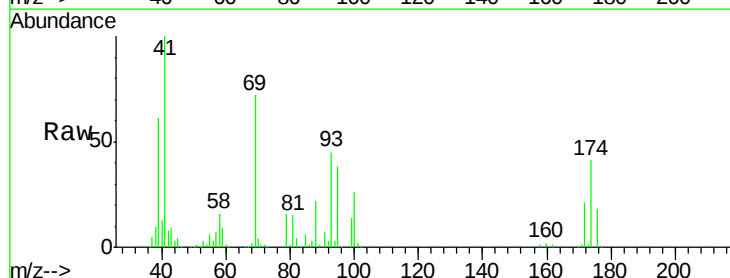
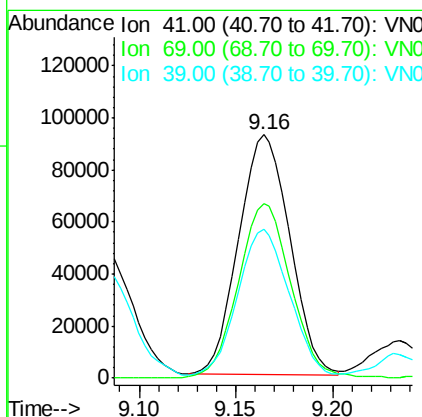
Manual Integrations
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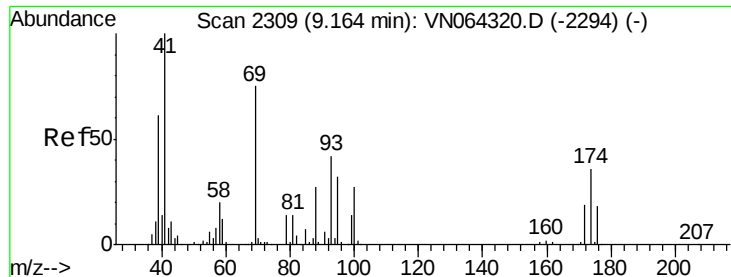
MMDadoda
11/2/2020 4:12:11 PM



#48
Methyl methacrylate
Concen: 47.739 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.6	59.1	88.7
39	62.4	51.3	76.9





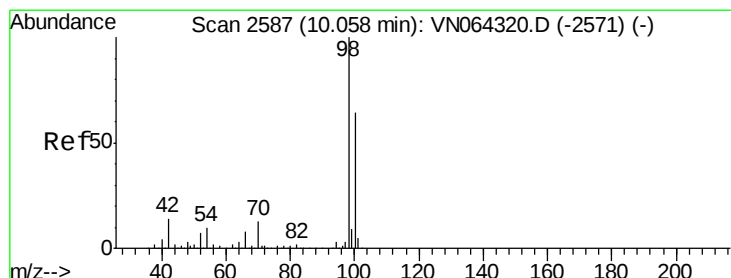
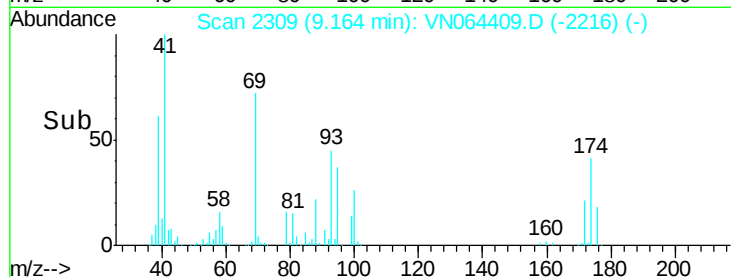
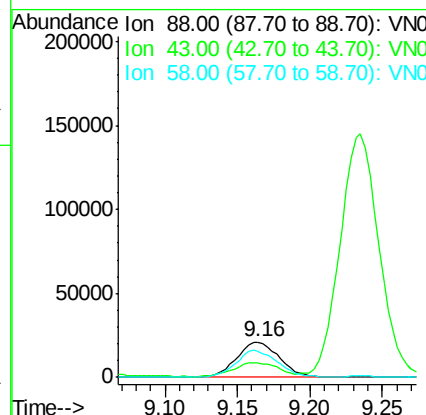
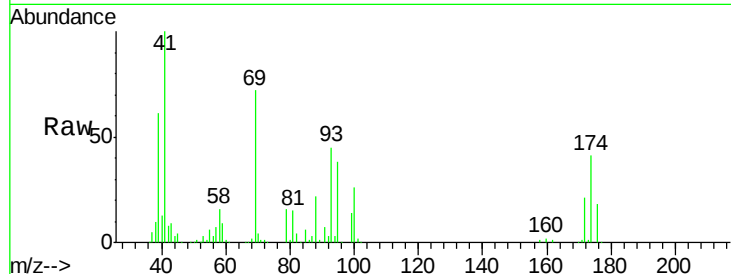
#49
1,4-Dioxane
Concen: 819.322 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	31.8	47.8
58	75.1	60.3	90.5

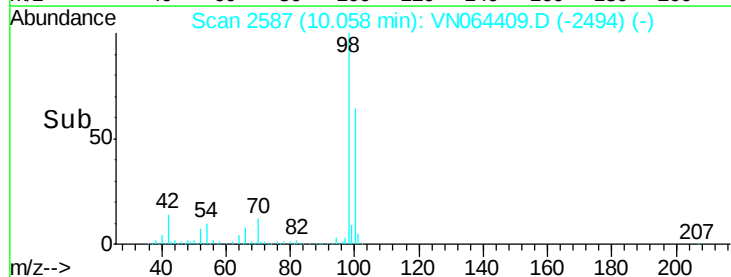
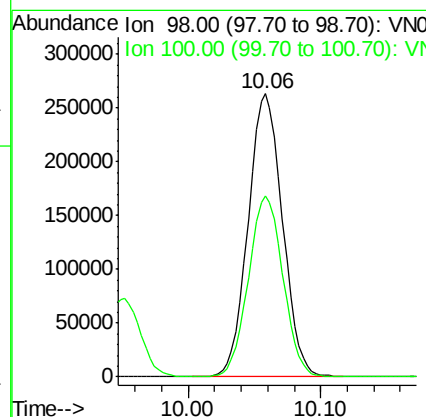
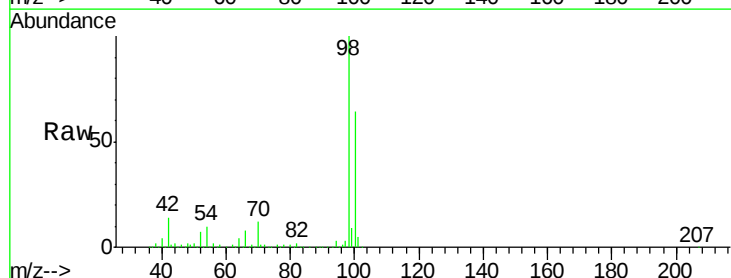
Manual Integrations
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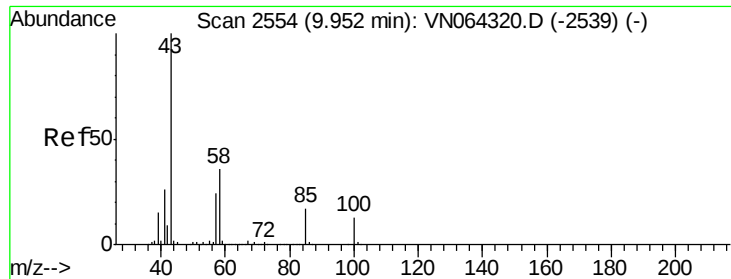
MMDadoda
11/2/2020 4:12:11 PM



#50
Toluene-d8
Concen: 48.358 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 247.576 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 997104

Ion Ratio Lower Upper

43 100

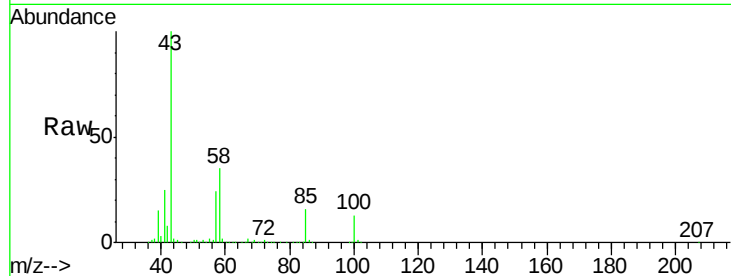
58 35.4 28.6 42.8

Manual Integrations

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MMDadoda

11/2/2020 4:12:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2539) (-)

9.95

600000

500000

400000

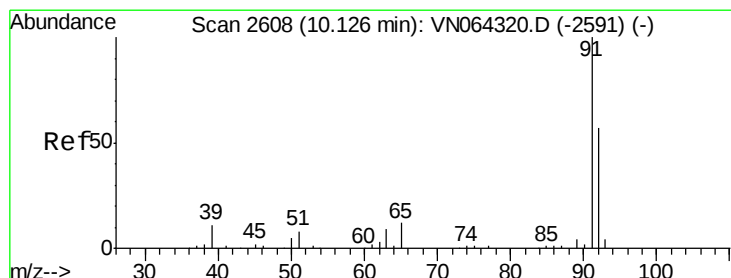
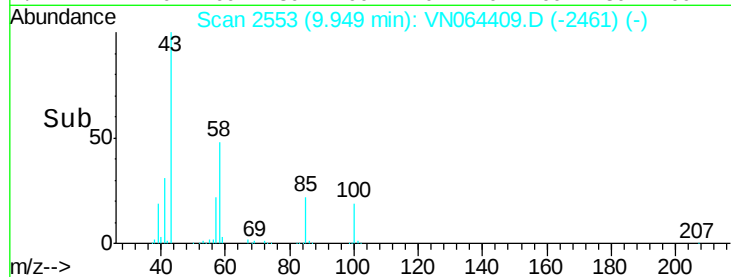
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.830 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064409.D

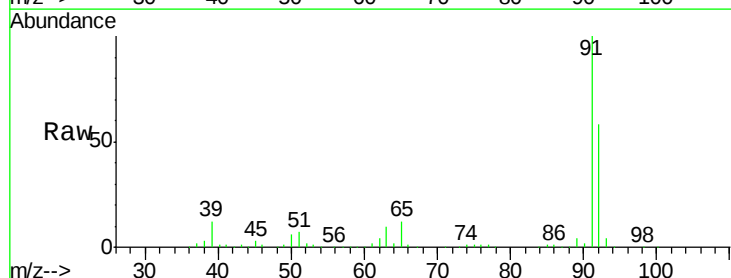
Acq: 30 Oct 2020 18:50

Tgt Ion: 92 Resp: 358250

Ion Ratio Lower Upper

92 100

91 173.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN064320.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN064320.D (-2591) (-)

10.12

400000

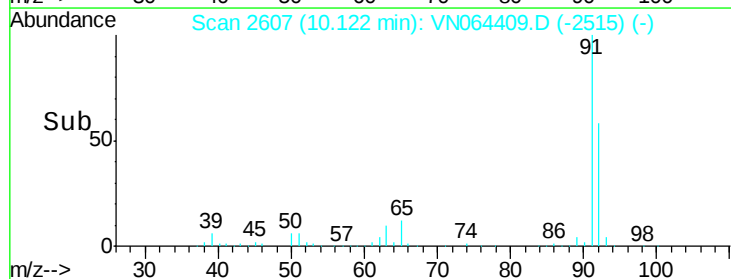
300000

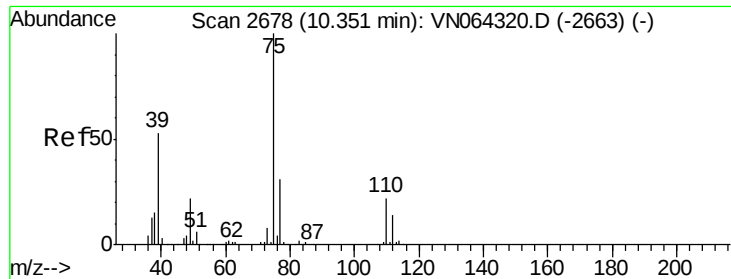
200000

100000

0

Time-->





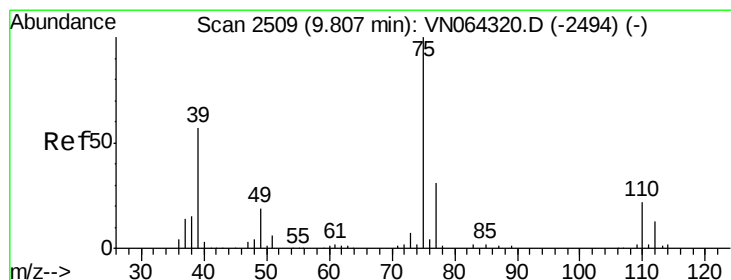
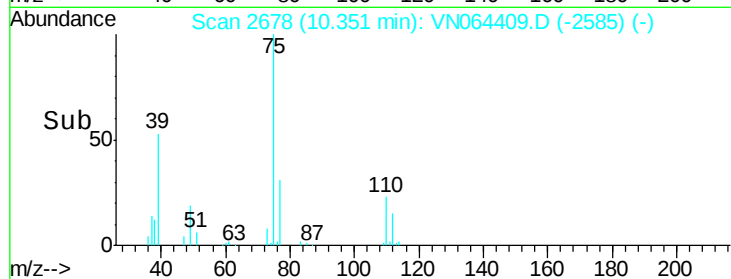
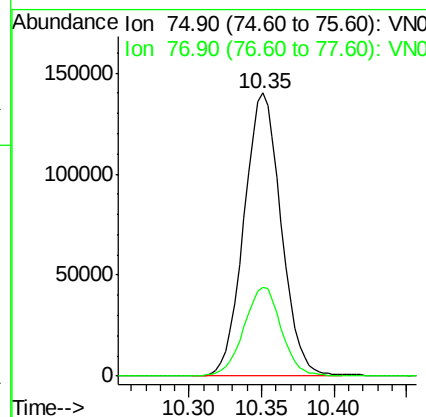
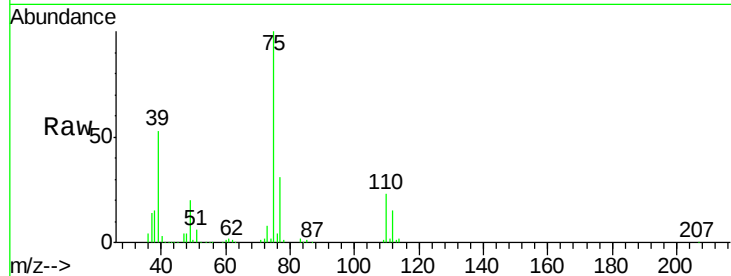
#53
t-1,3-Dichloropropene
Concen: 50.936 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 249744
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2

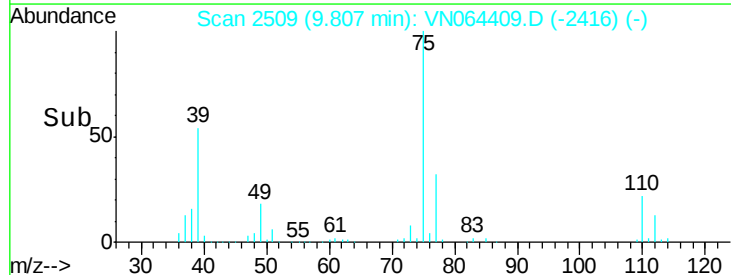
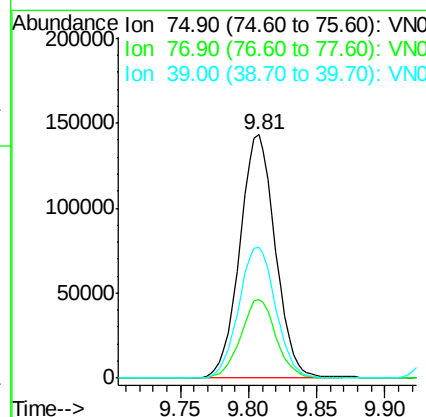
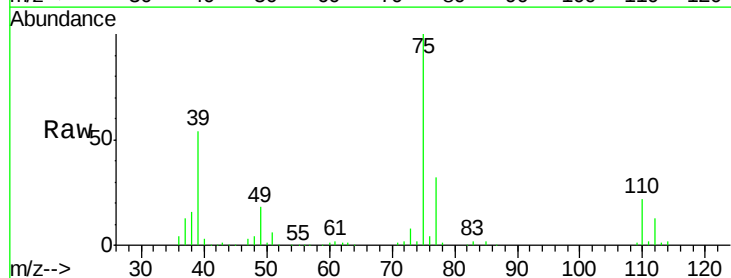
Manual Integrations
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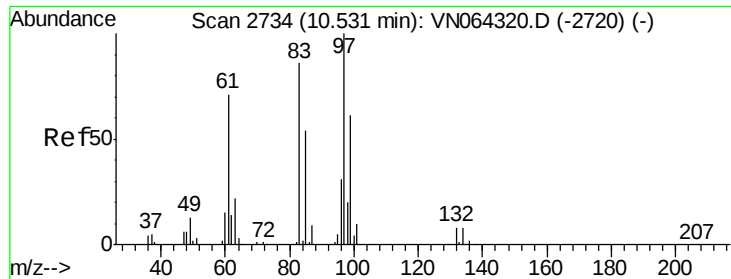
MMDadoda
11/2/2020 4:12:11 PM



#54
cis-1,3-Dichloropropene
Concen: 51.415 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion: 75 Resp: 259502
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.4
39 54.0 45.5 68.3





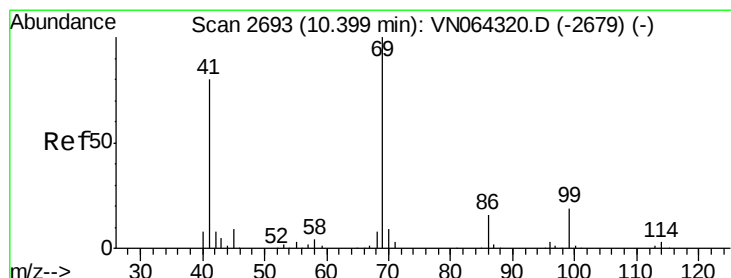
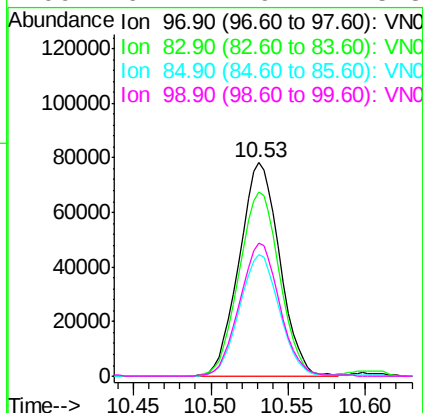
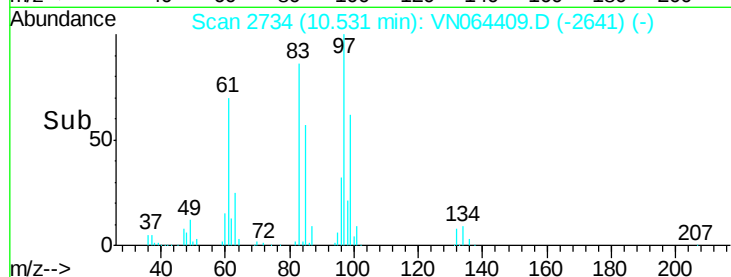
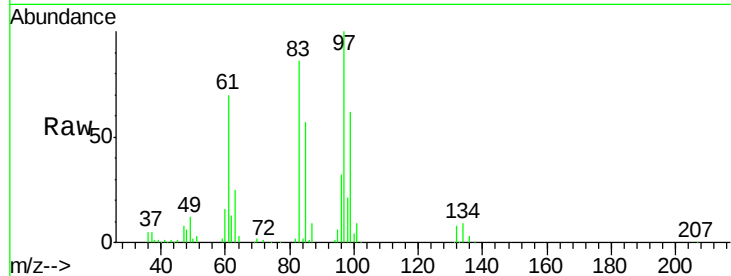
#55
 1,1,2-Trichloroethane
 Concen: 51.238 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	142550
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.9	103.3
85	56.9	43.6	65.4
99	62.2	49.2	73.8

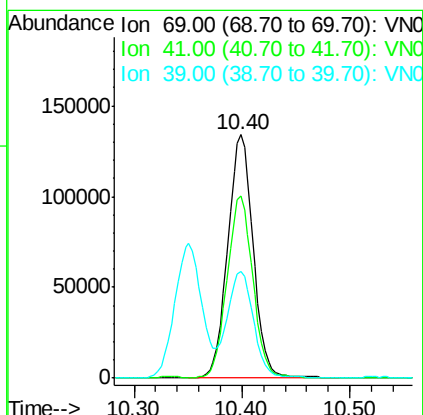
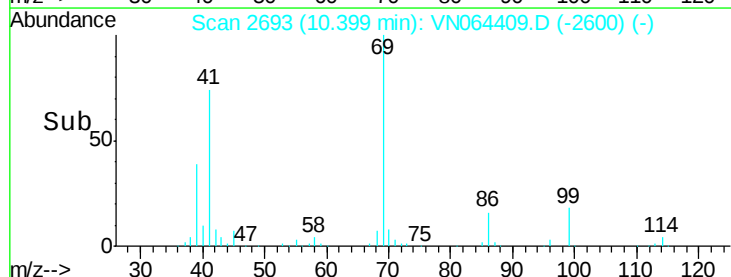
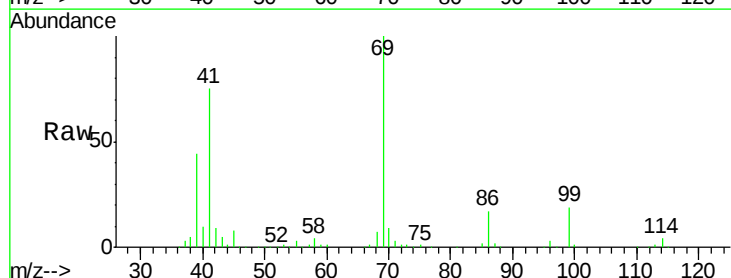
Manual Integrations
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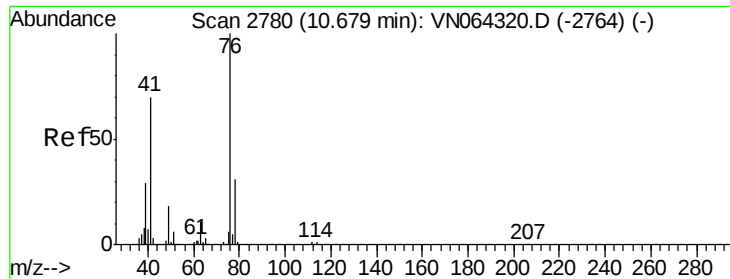
MMDadoda
 11/2/2020 4:12:11 PM



#56
 Ethyl methacrylate
 Concen: 52.431 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion:	69	Resp:	220809
Ion	Ratio	Lower	Upper
69	100		
41	74.9	61.4	92.2
39	43.9	36.5	54.7





#57

1,3-Dichloropropane

Concen: 52.232 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 247883

Ion Ratio Lower Upper

76 100

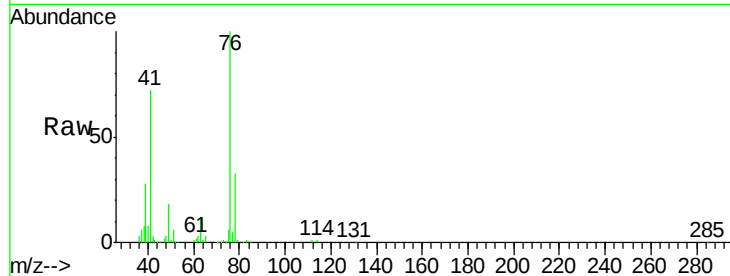
78 32.5 25.8 38.6

Manual Integrations

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MMDadoda

11/2/2020 4:12:11 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

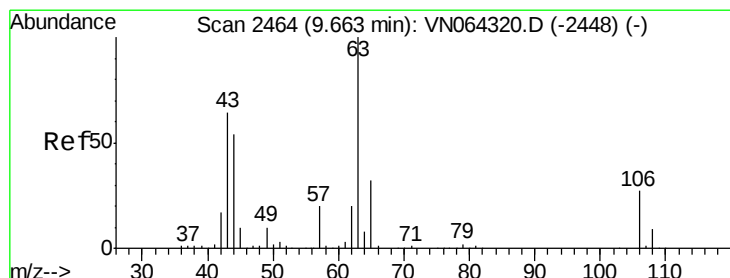
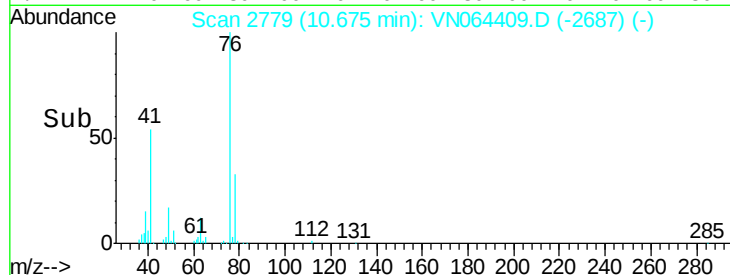
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 228.462 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064409.D

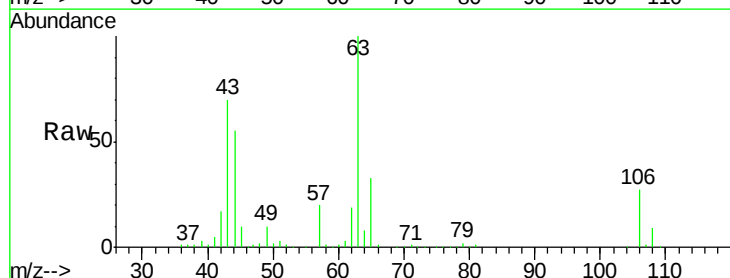
Acq: 30 Oct 2020 18:50

Tgt Ion: 63 Resp: 525038

Ion Ratio Lower Upper

63 100

106 26.4 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

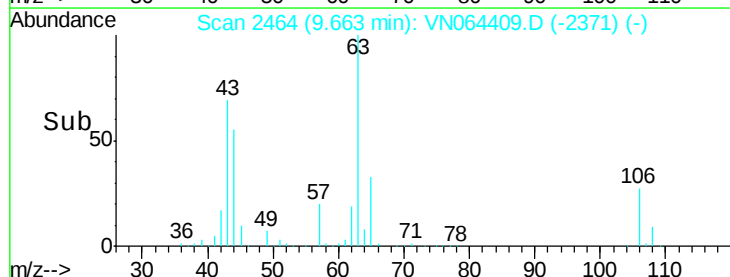
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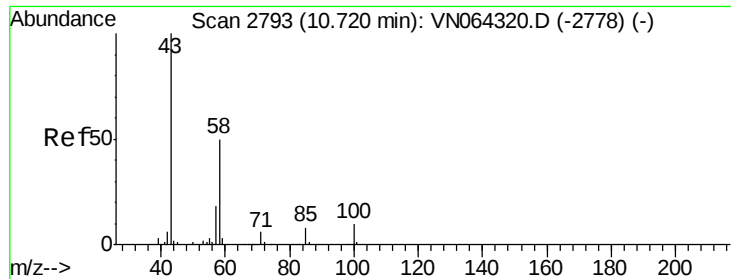
200000

100000

0

Time-->





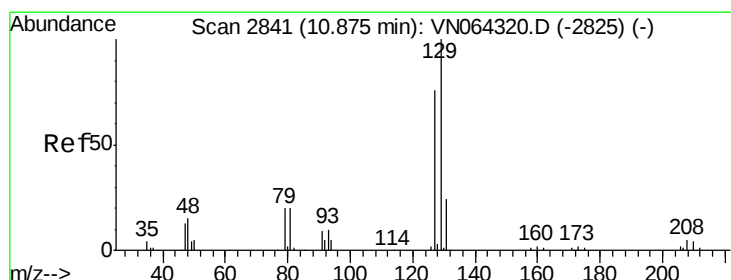
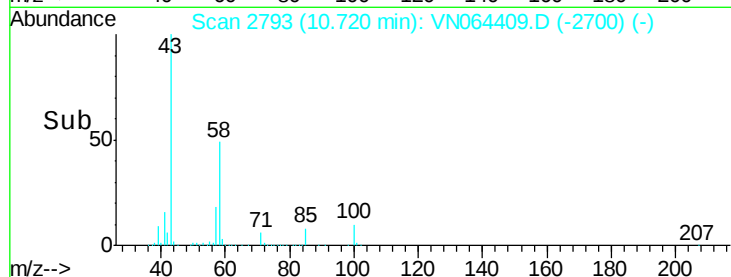
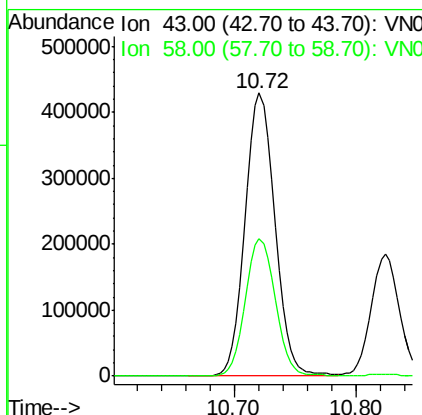
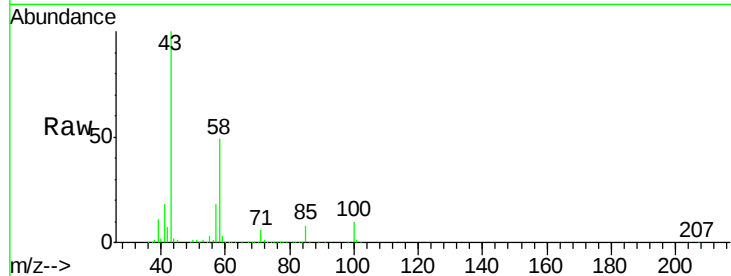
#59
2-Hexanone
Concen: 242.447 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 719151
Ion Ratio Lower Upper
43 100
58 49.2 25.0 75.0

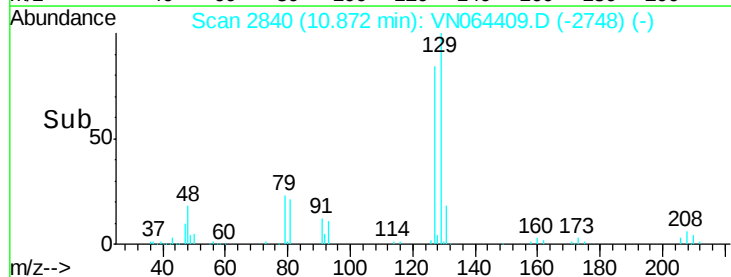
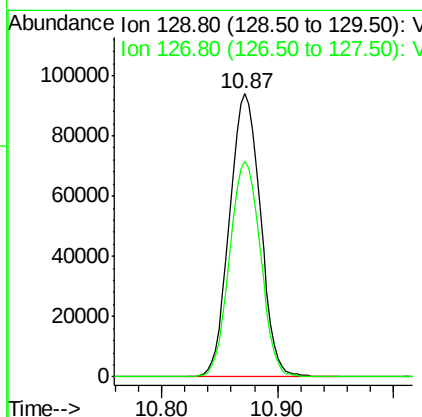
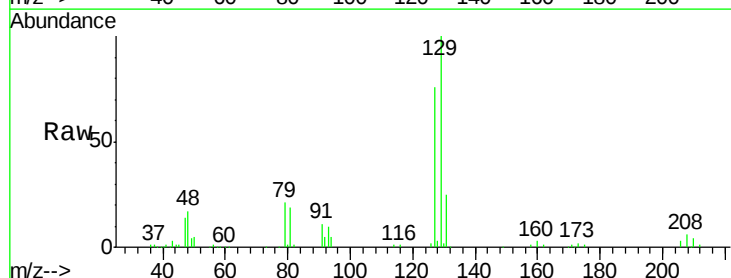
Manual Integrations
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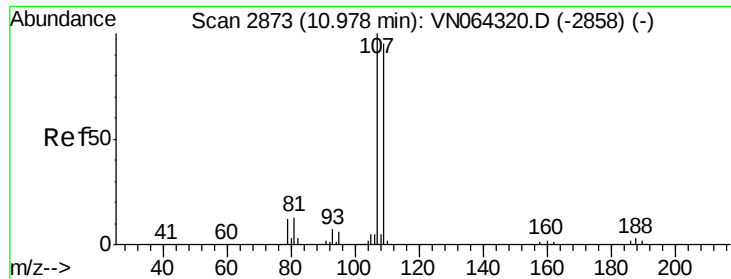
MMDadoda
11/2/2020 4:12:11 PM



#60
Dibromochloromethane
Concen: 52.684 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion: 129 Resp: 173302
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.3





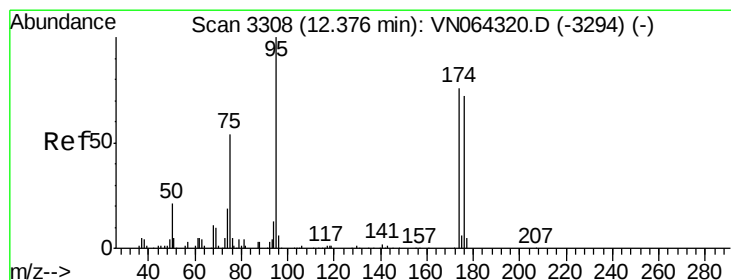
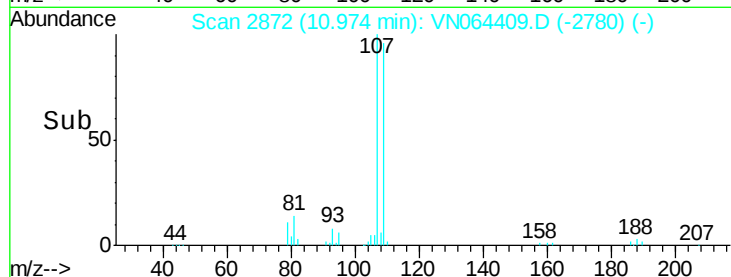
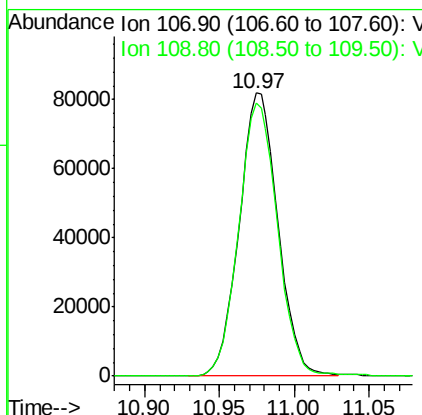
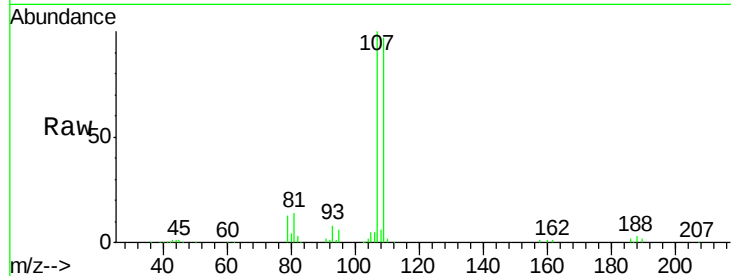
#61
 1,2-Dibromoethane
 Concen: 51.974 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	75.8	113.8

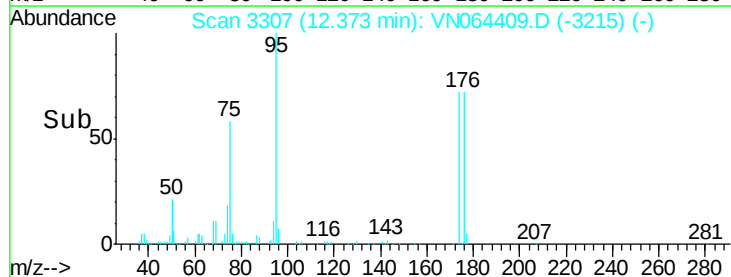
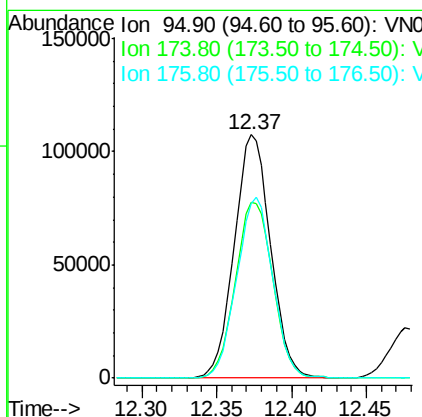
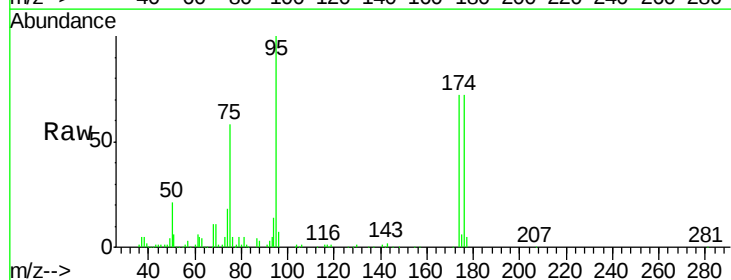
Manual Integrations
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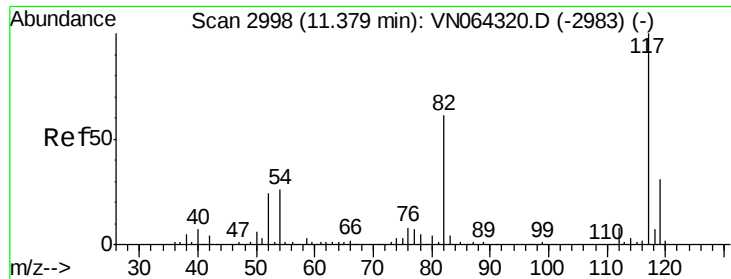
MMDadoda
 11/2/2020 4:12:11 PM



#62
 4-Bromofluorobenzene
 Concen: 47.544 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	147.4
176	73.6	0.0	143.6





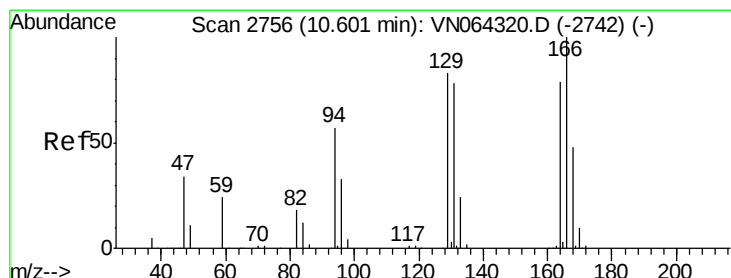
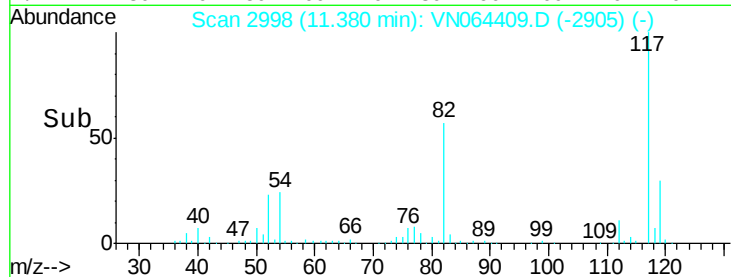
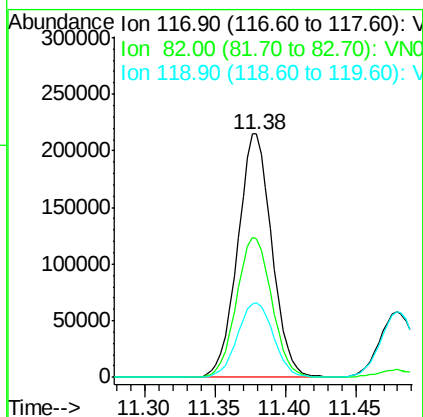
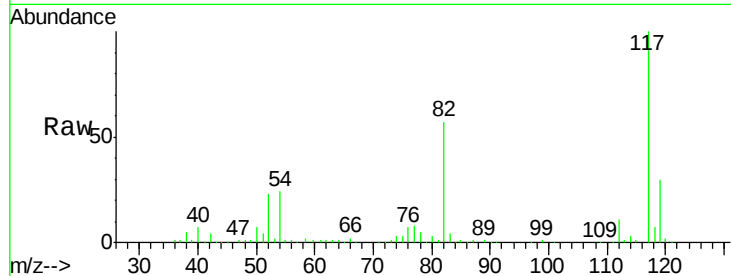
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	48.8	73.2
119	30.5	25.1	37.7

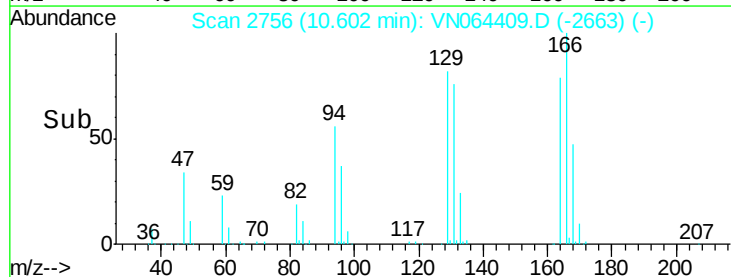
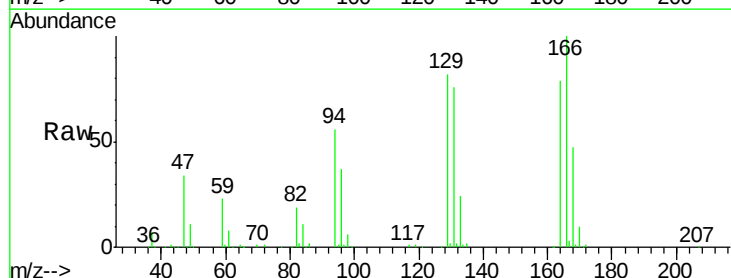
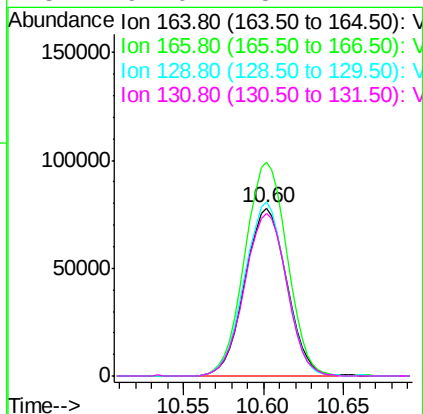
Manual Integrations
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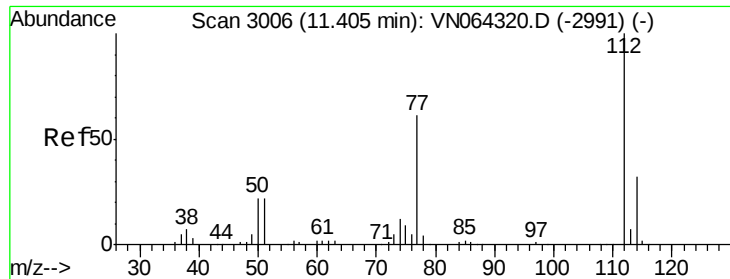
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11/2/2020 4:12:11 PM



#64
Tetrachloroethene
Concen: 46.737 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	100.7	151.1
129	104.0	83.7	125.5
131	97.0	78.2	117.2





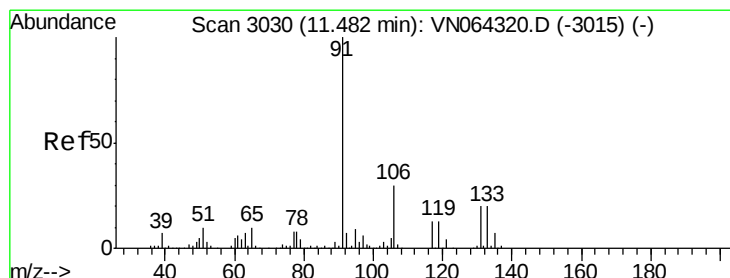
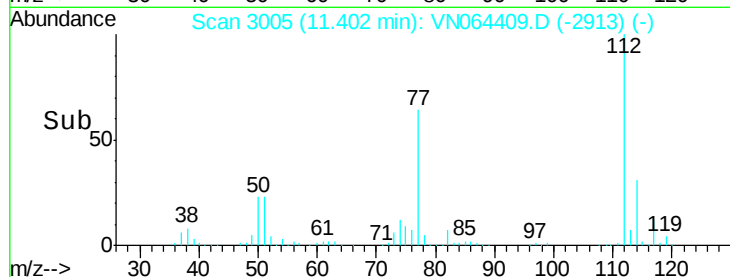
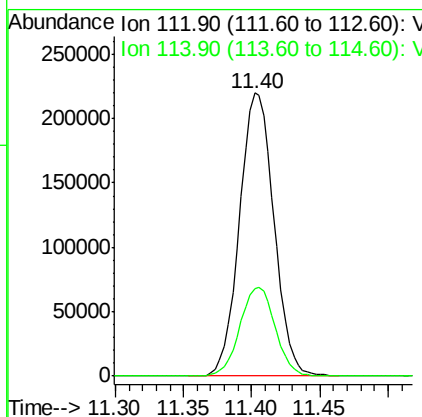
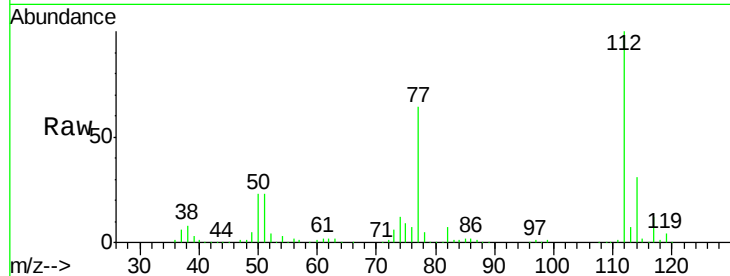
#65
Chlorobenzene
Concen: 52.052 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 385080
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.0

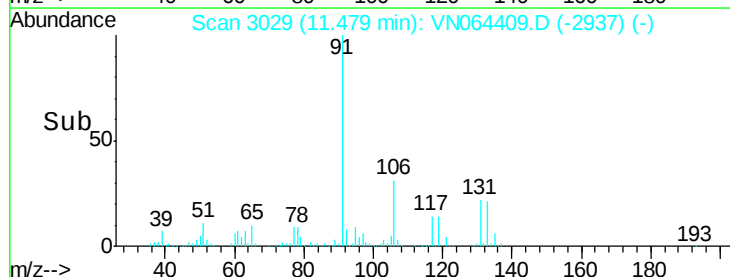
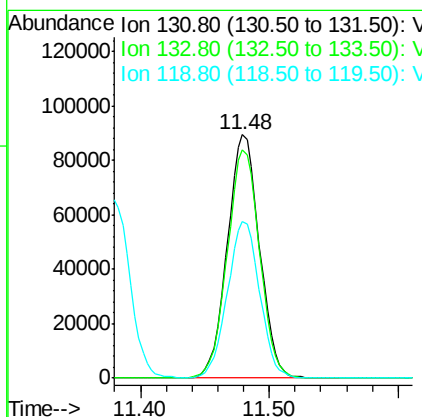
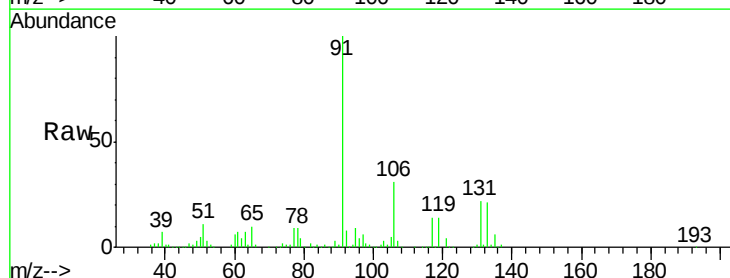
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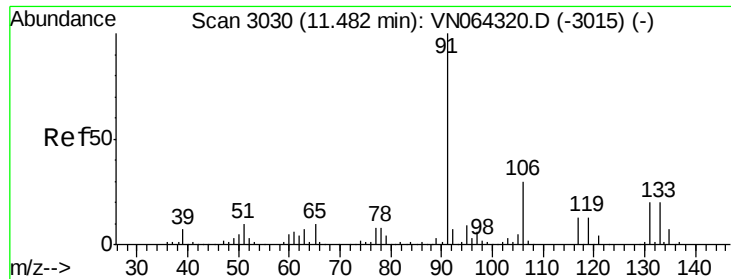
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.616 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion:131 Resp: 154341
Ion Ratio Lower Upper
131 100
133 94.5 49.3 147.8
119 64.5 32.3 96.9





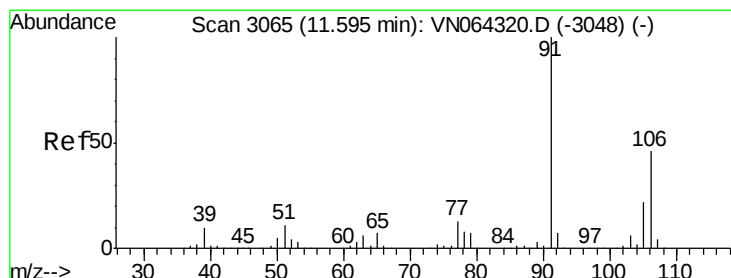
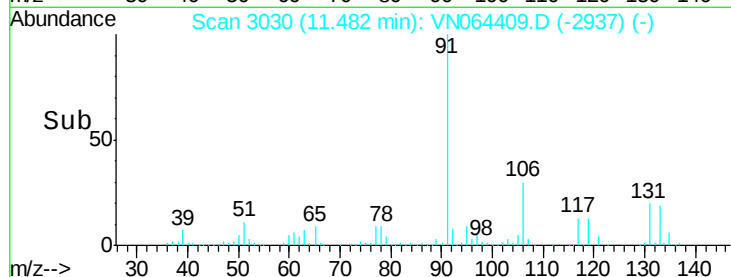
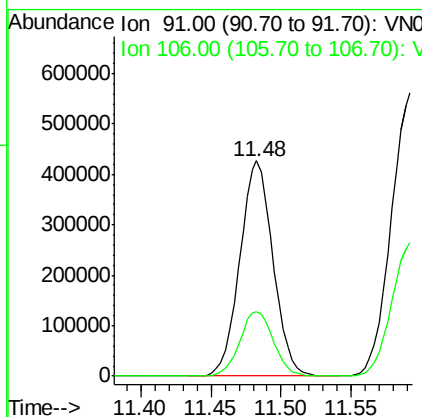
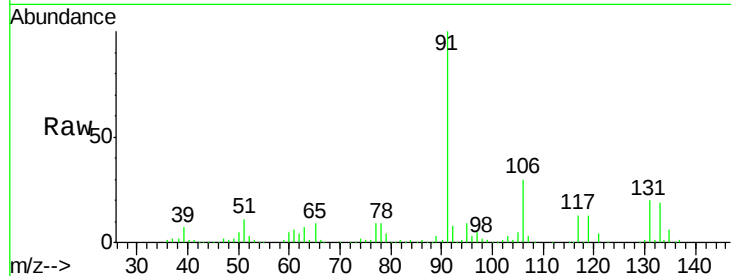
#67
Ethyl Benzene
Concen: 51.051 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 702158
Ion Ratio Lower Upper
91 100
106 30.2 23.7 35.5

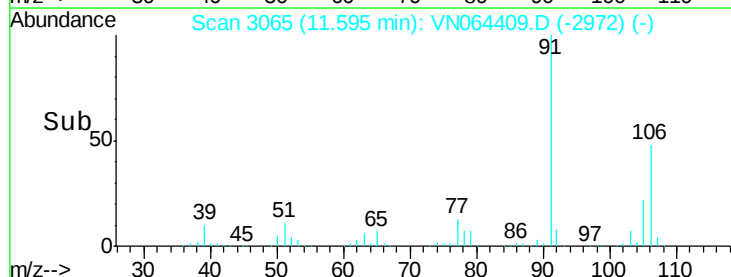
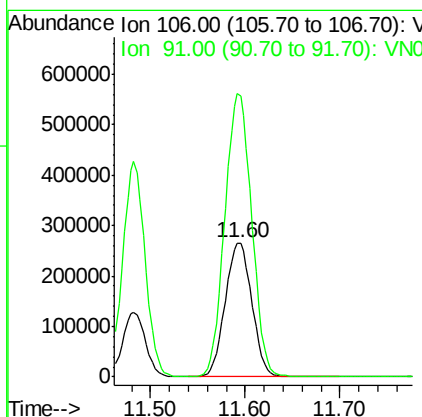
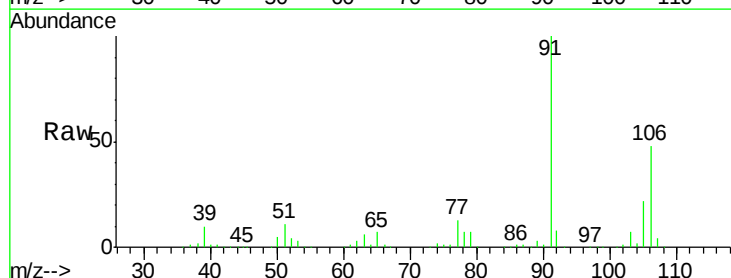
Manual Integrations
APPROVED

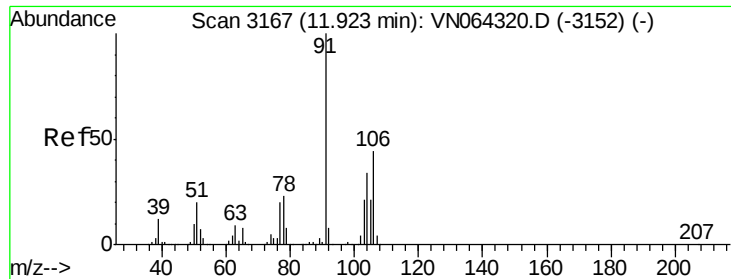
MMDadoda
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#68
m/p-Xylenes
Concen: 101.908 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion: 106 Resp: 519438
Ion Ratio Lower Upper
106 100
91 212.9 170.2 255.4





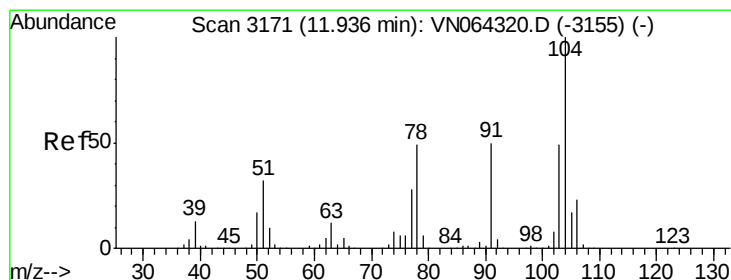
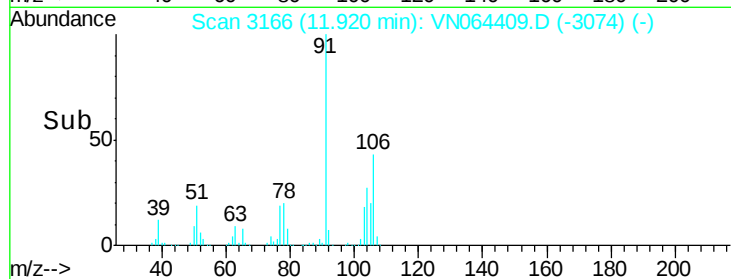
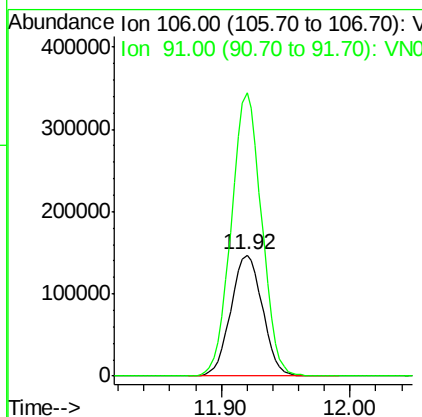
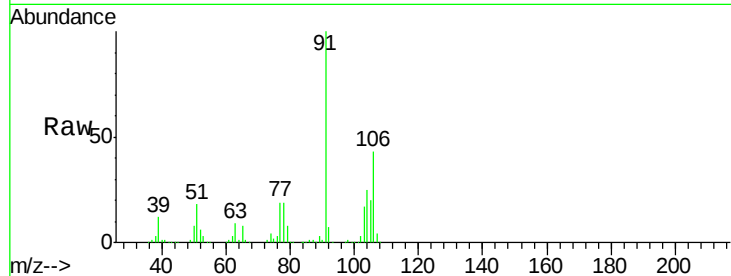
#69
o-Xylene
Concen: 51.011 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.0	114.5	343.5

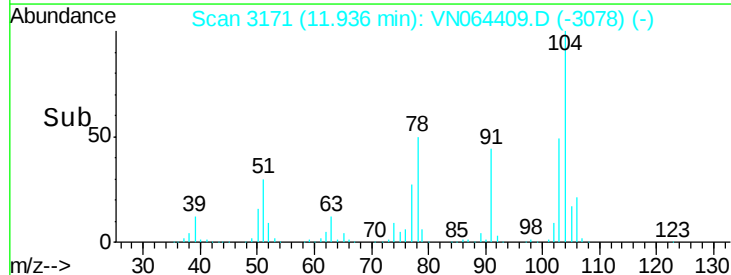
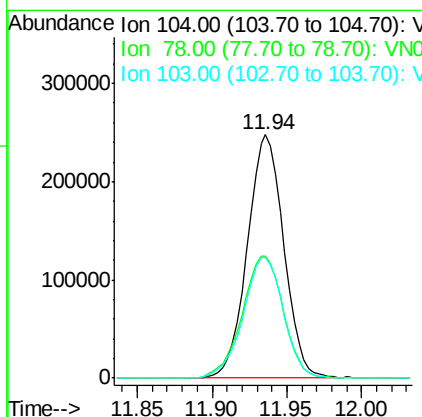
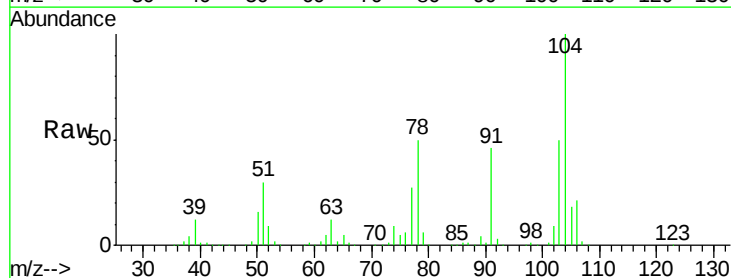
Manual Integrations
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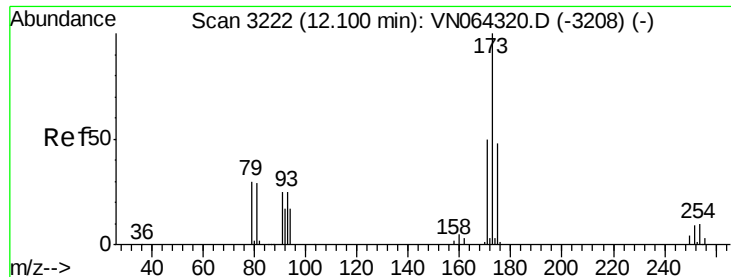
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#70
Styrene
Concen: 51.988 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.0	43.7	65.5
103	54.9	43.3	64.9





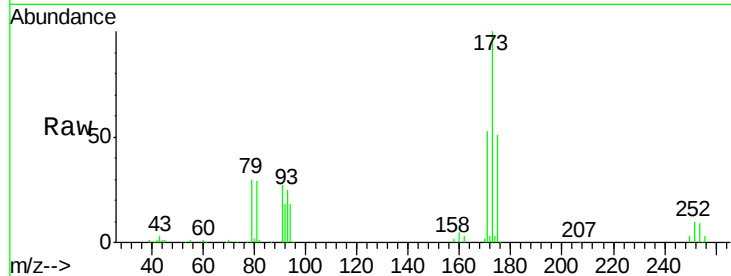
#71
Bromoform
Concen: 50.225 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

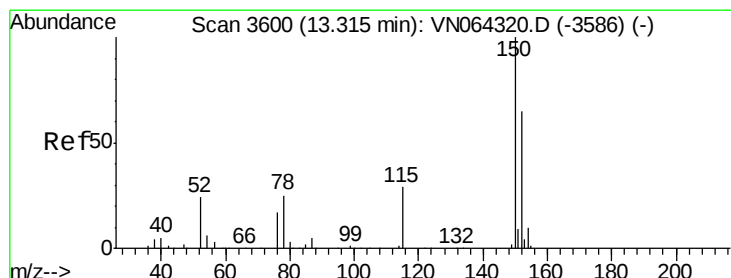
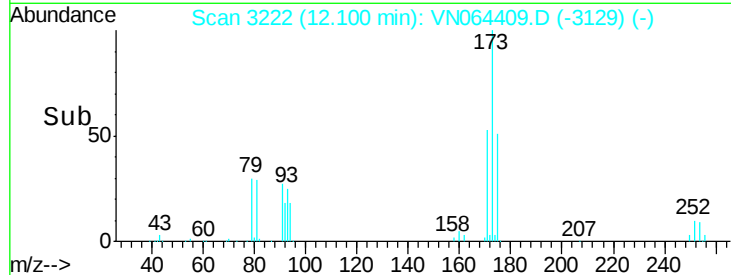
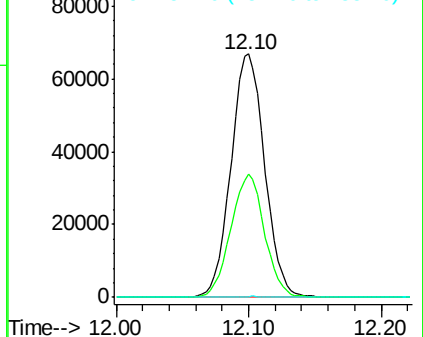
Tot Ion:173 Resp: 117869
Ion Ratio Lower Upper
173 100
175 50.4 25.4 76.0
254 0.1 0.0 0.0#

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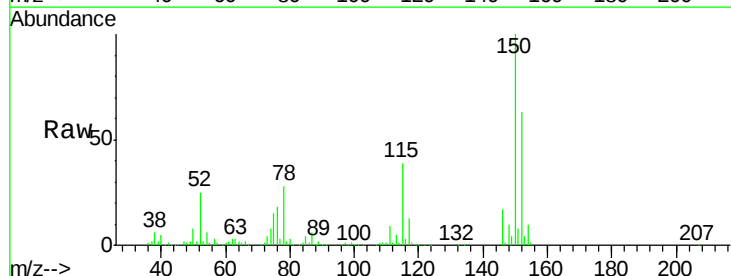


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

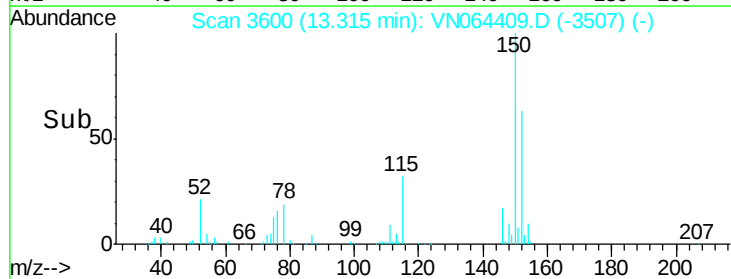
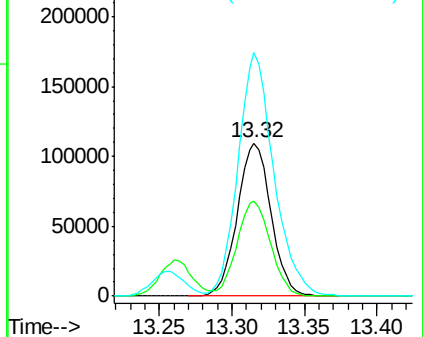


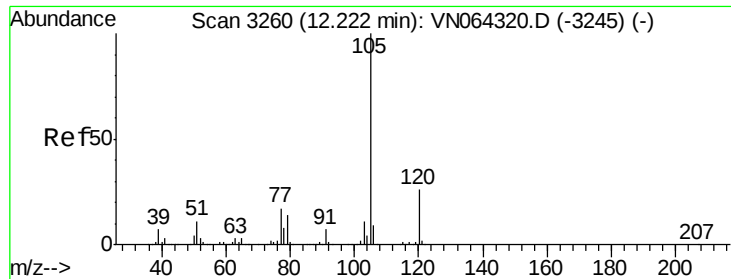
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion:152 Resp: 176989
Ion Ratio Lower Upper
152 100
115 61.4 31.5 94.5
150 169.3 0.0 346.2



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





#73

Isopropylbenzene

Concen: 49.406 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 654923

Ion Ratio Lower Upper

105 100

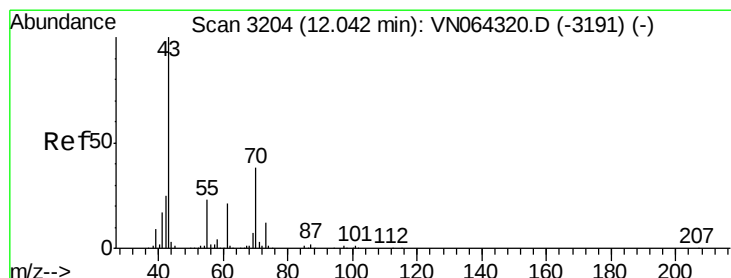
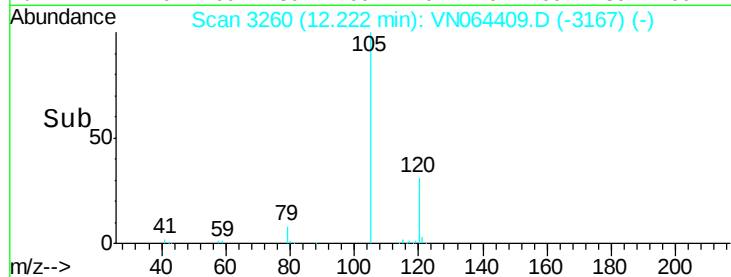
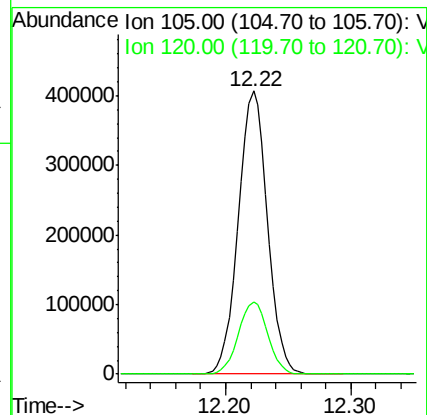
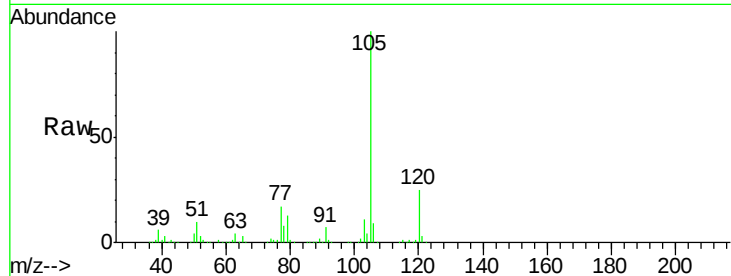
120 25.9 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.180 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Tgt Ion: 43 Resp: 304459

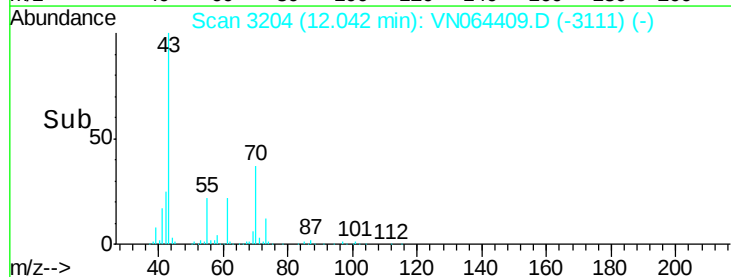
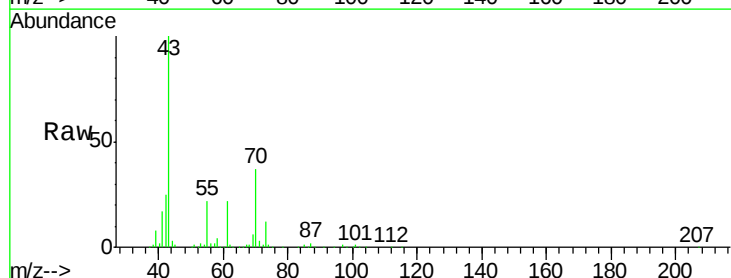
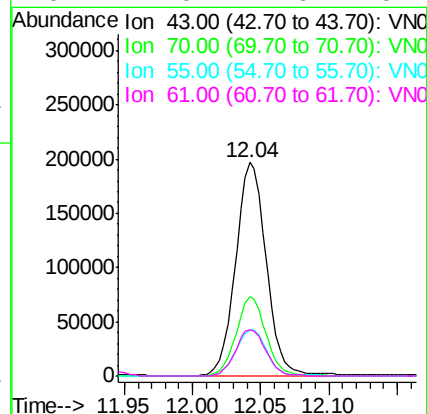
Ion Ratio Lower Upper

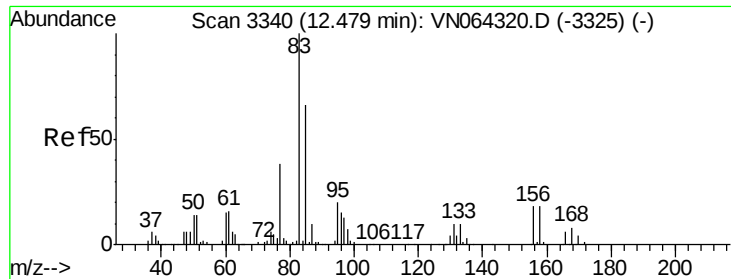
43 100

70 36.8 30.6 45.8

55 22.4 18.2 27.4

61 22.0 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.465 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

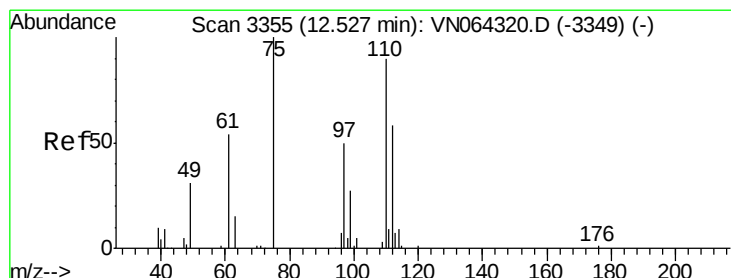
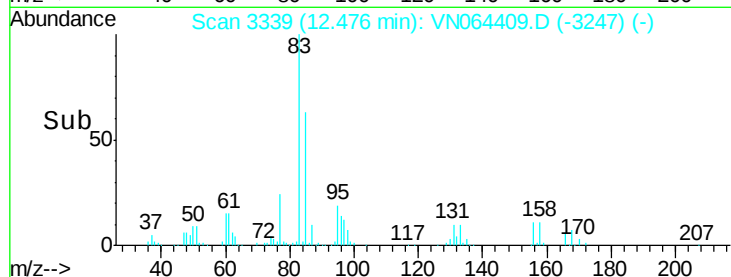
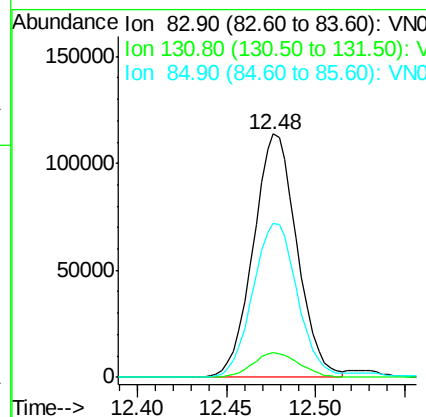
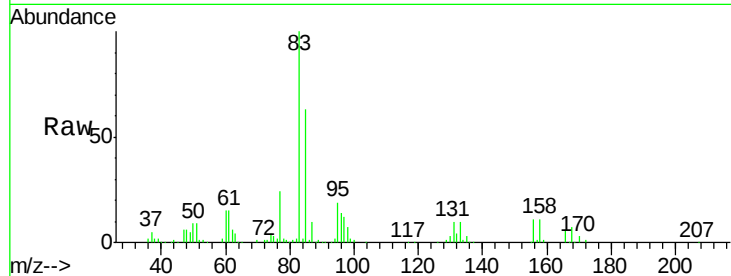
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	194448
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	64.5	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.271 ug/l m

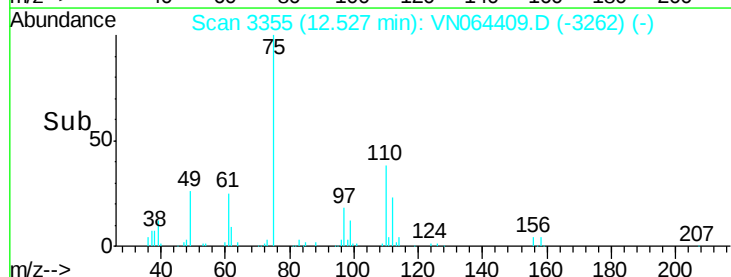
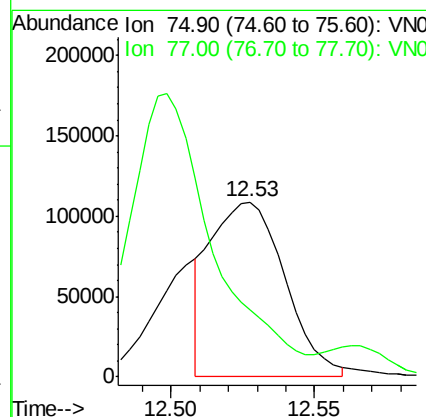
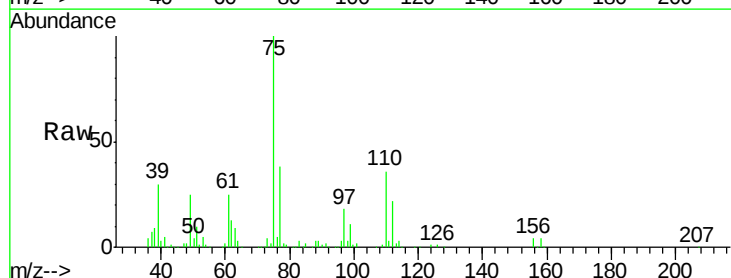
RT: 12.53 min Scan# 3355

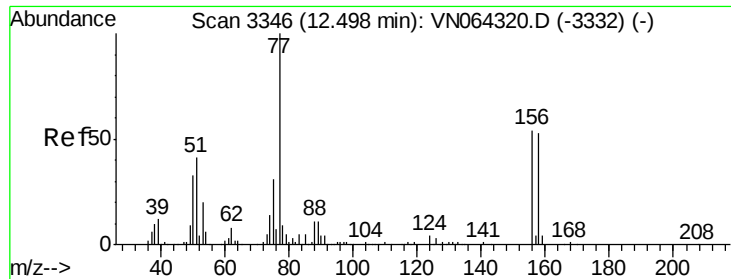
Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Tgt Ion:	75	Resp:	196116
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.236 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

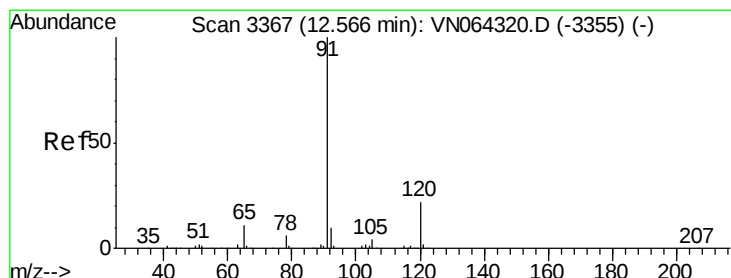
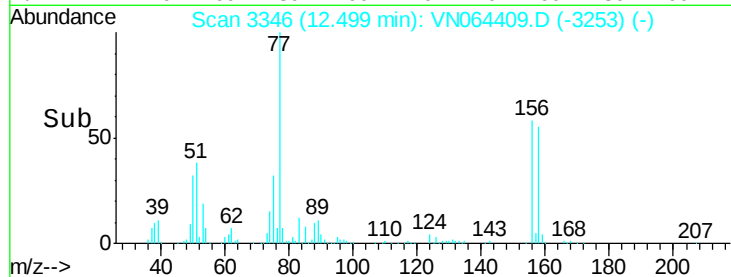
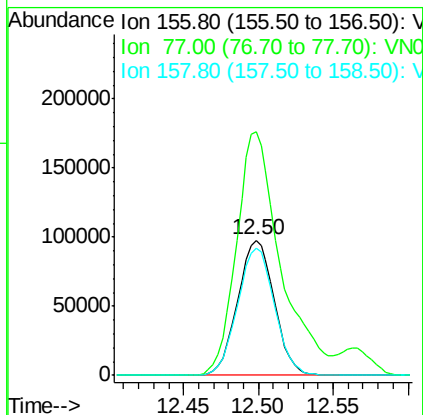
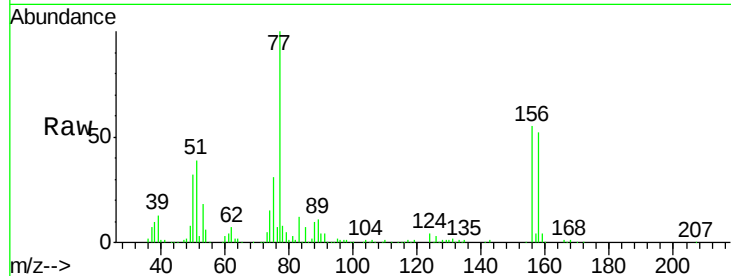
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.3	111.9	335.7
158	95.5	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 49.100 ug/l

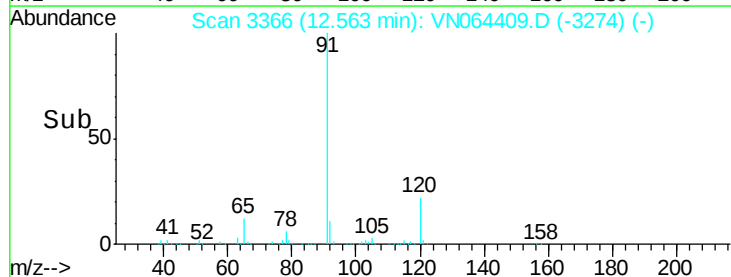
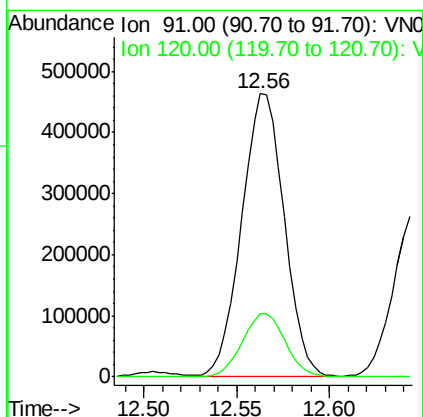
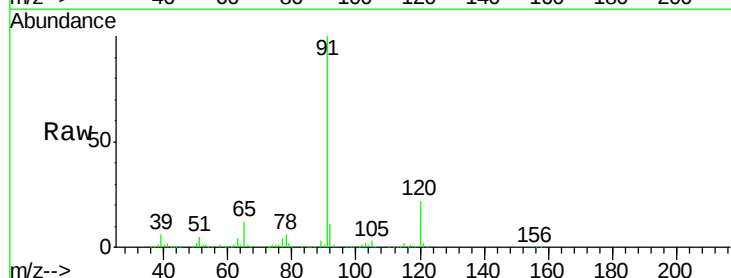
RT: 12.56 min Scan# 3366

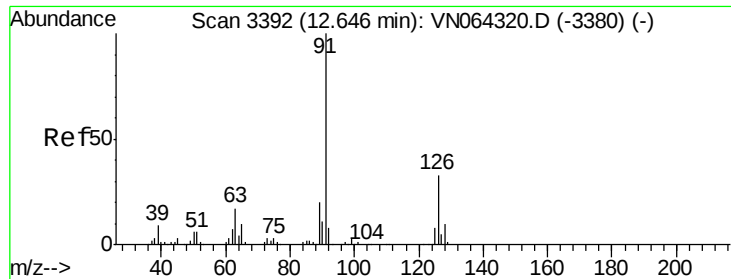
Delta R.T. -0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 48.276 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 463134

Ion Ratio Lower Upper

91 100

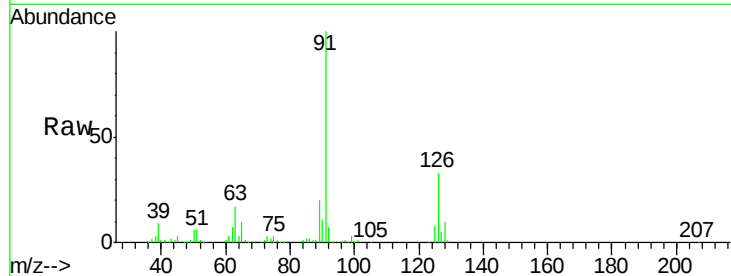
126 32.6 16.2 48.5

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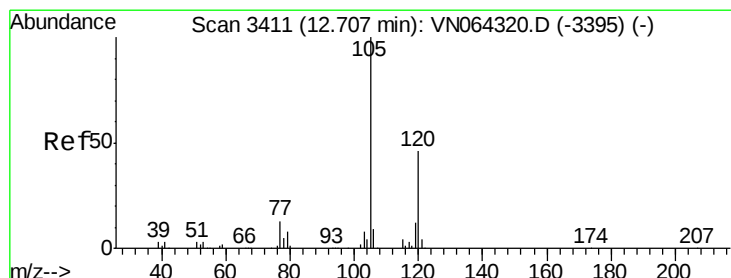
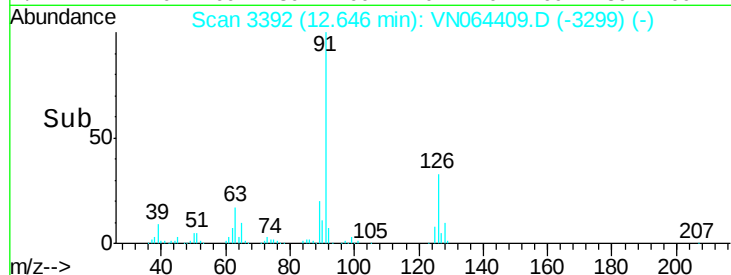
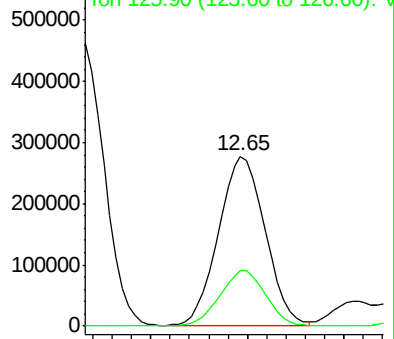
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Abundance Ion 91.00 (90.70 to 91.70): VN064409.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.681 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064409.D

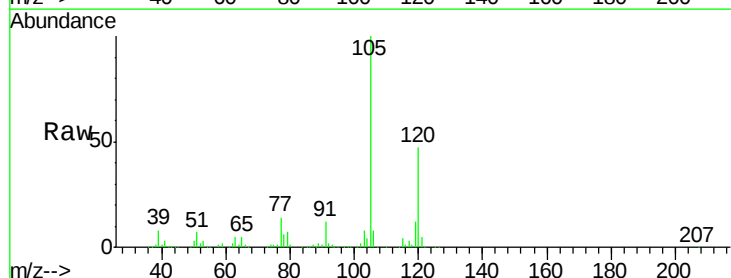
Acq: 30 Oct 2020 18:50

Tgt Ion: 105 Resp: 546034

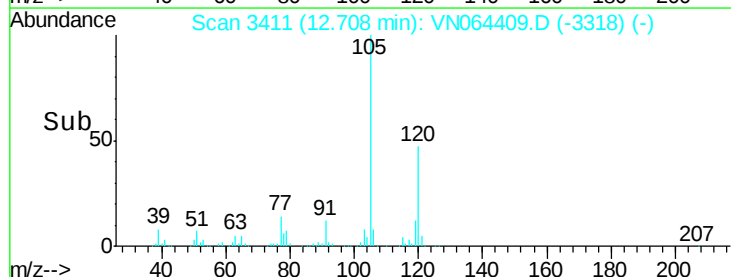
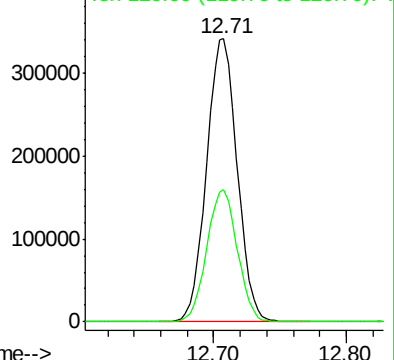
Ion Ratio Lower Upper

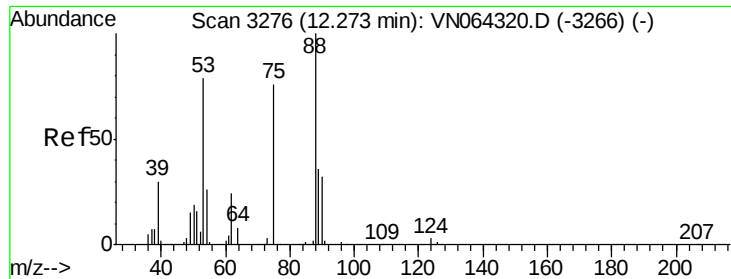
105 100

120 46.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064409.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.952 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

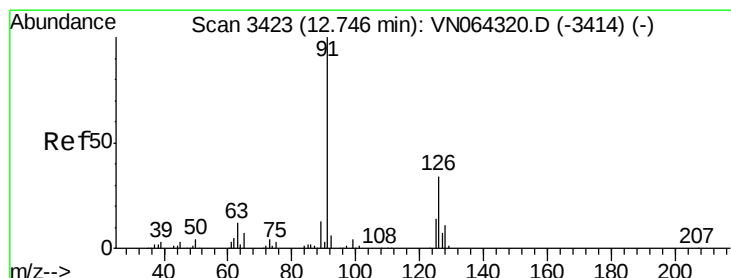
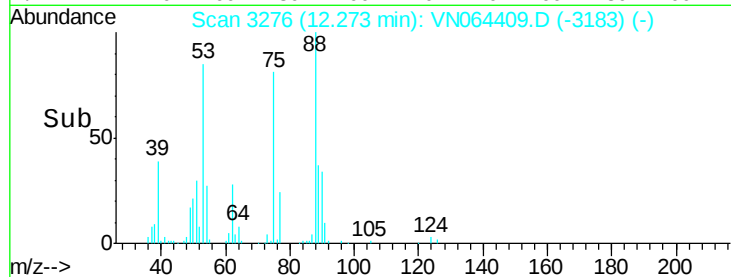
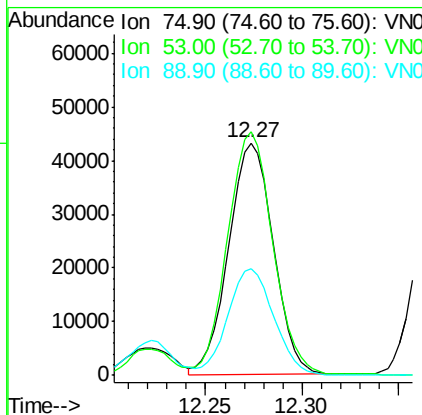
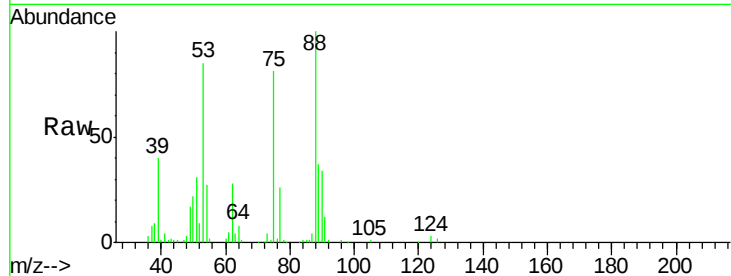
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	69086
Ion	Ratio	Lower	Upper
75	100		
53	105.9	81.8	122.8
89	47.5	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.417 ug/l

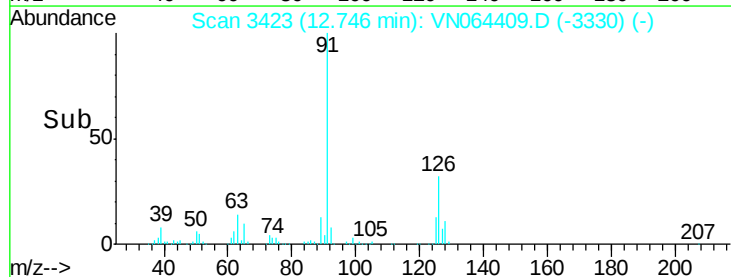
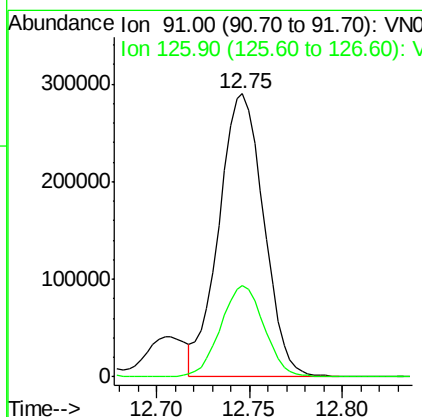
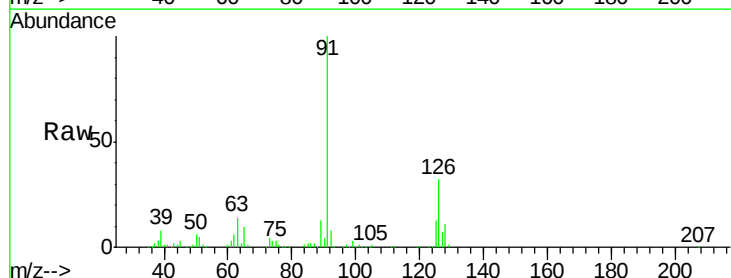
RT: 12.75 min Scan# 3423

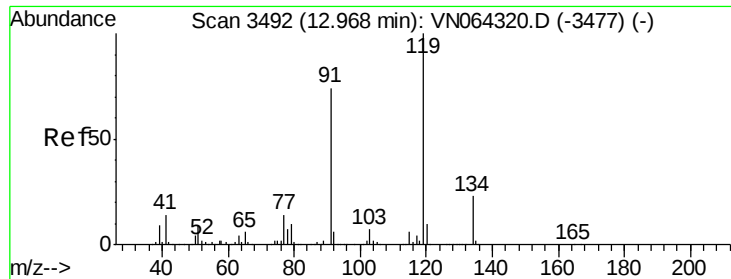
Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Tgt Ion:	91	Resp:	482959
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.3





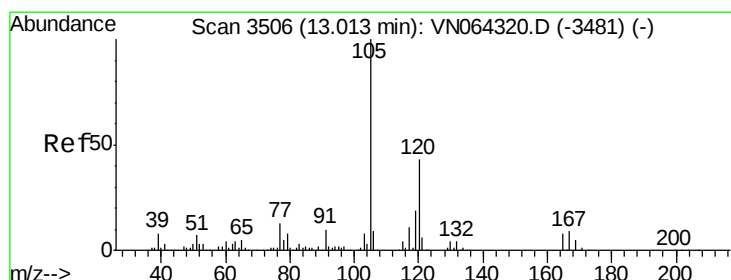
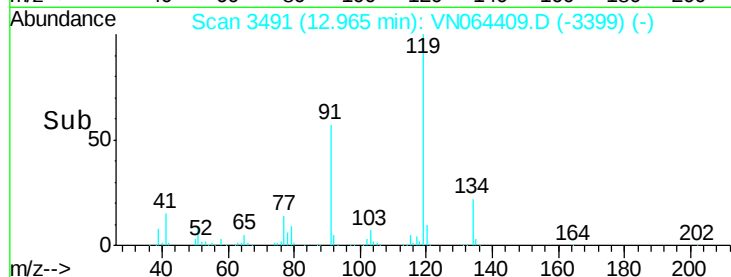
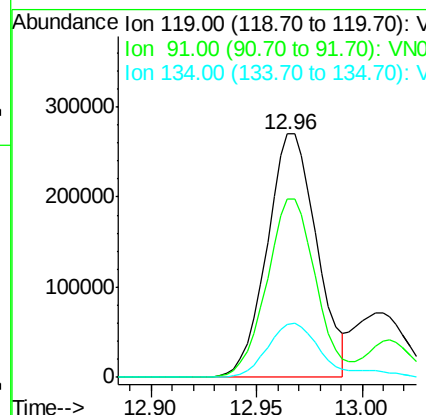
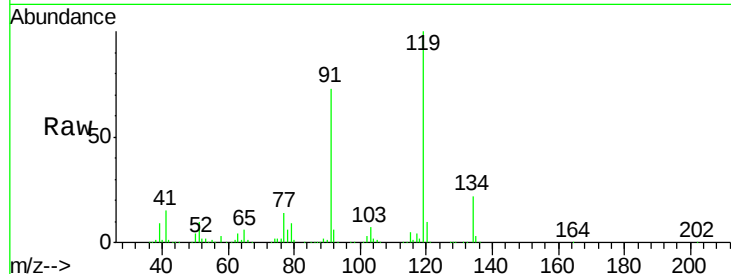
#83
tert-Butylbenzene
Concen: 47.989 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	441692		
91	72.2	36.4	109.1	
134	23.0	12.0	36.1	

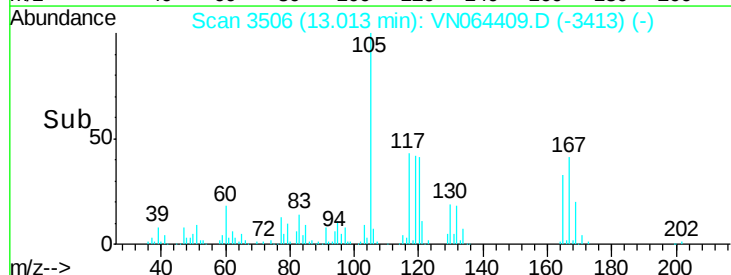
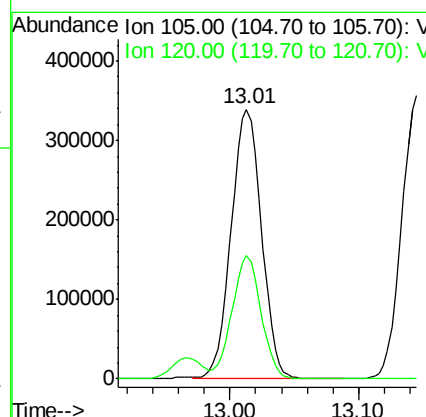
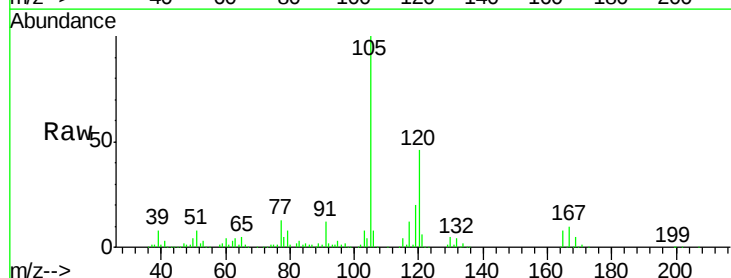
Manual Integrations
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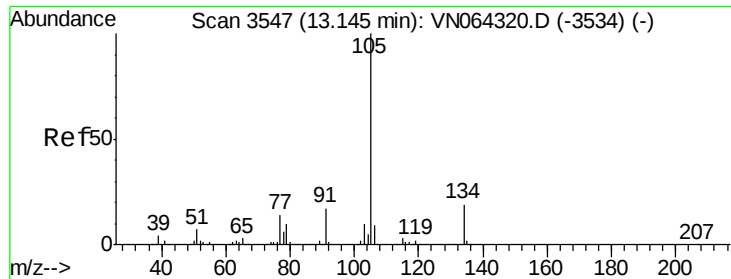
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#84
1,2,4-Trimethylbenzene
Concen: 49.319 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	552750		
120	43.7	21.3	64.0	





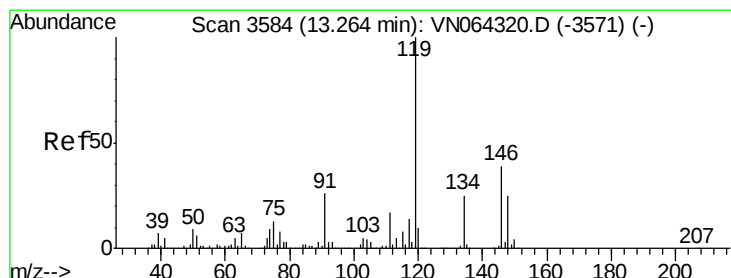
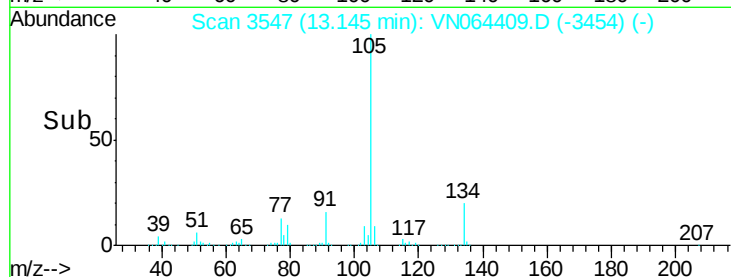
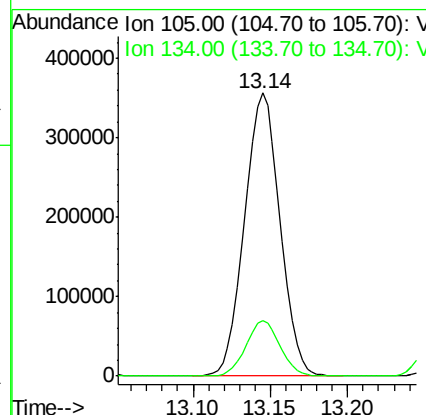
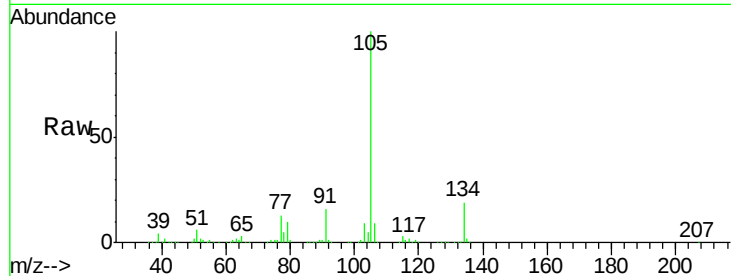
#85
 sec-Butylbenzene
 Concen: 47.467 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.8

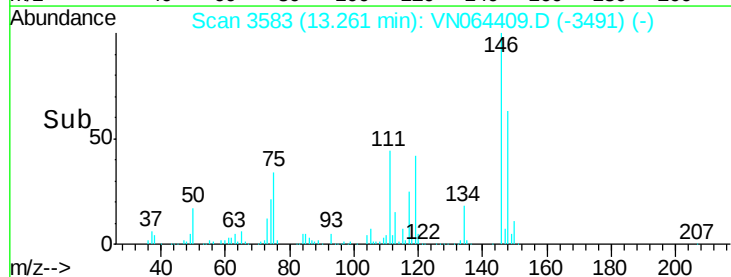
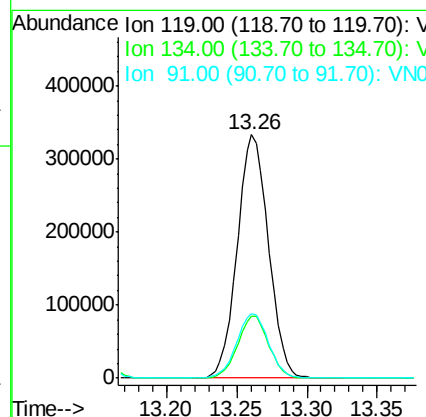
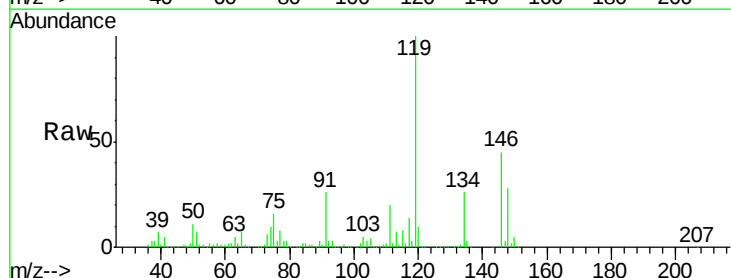
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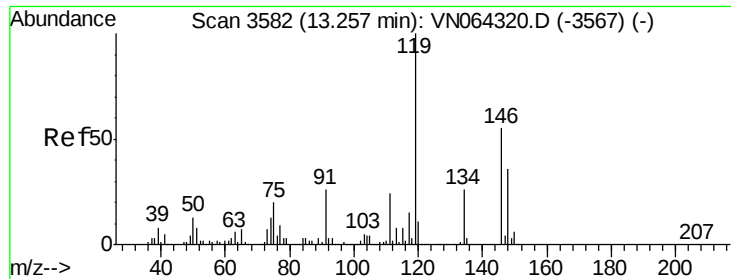
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#86
 p-Isopropyltoluene
 Concen: 48.021 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.4
91	26.9	13.0	38.9





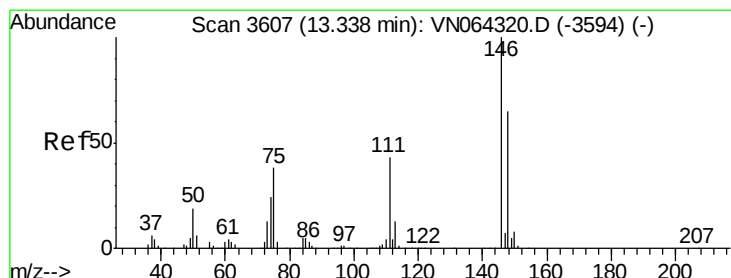
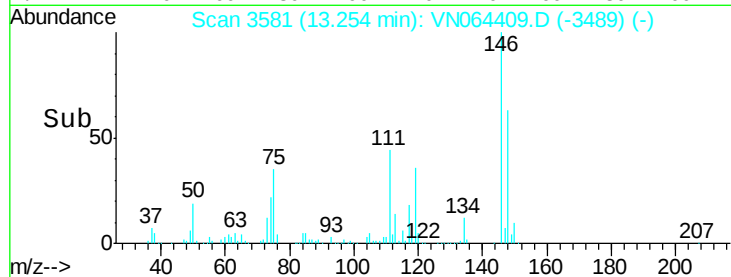
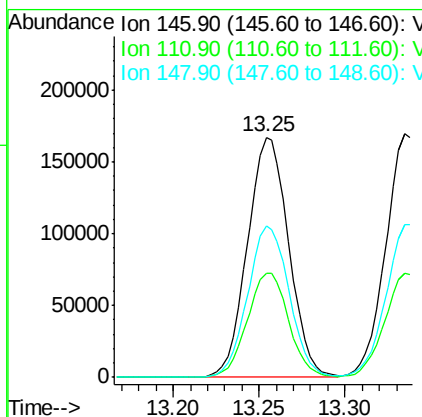
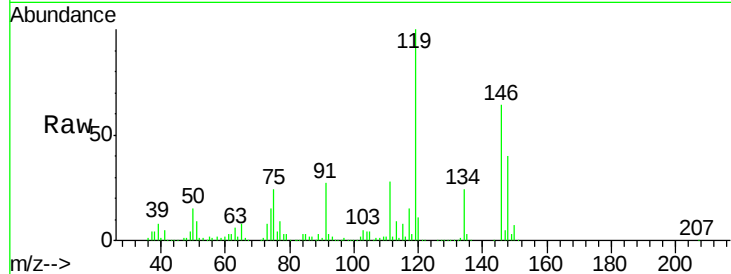
#87
 1,3-Dichlorobenzene
 Concen: 48.923 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	278005		
111	43.5	21.9	65.5	
148	63.6	32.6	98.0	

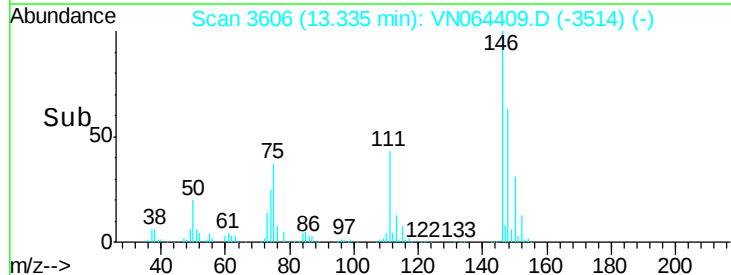
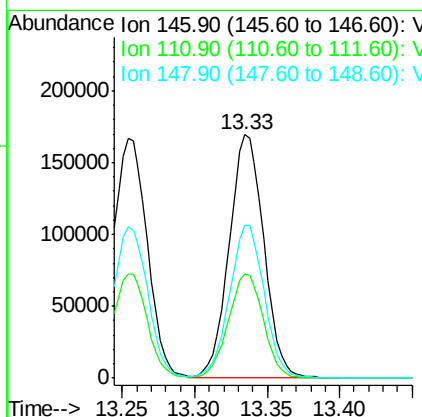
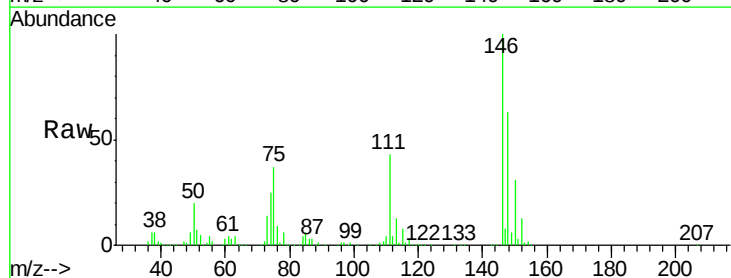
Manual Integrations
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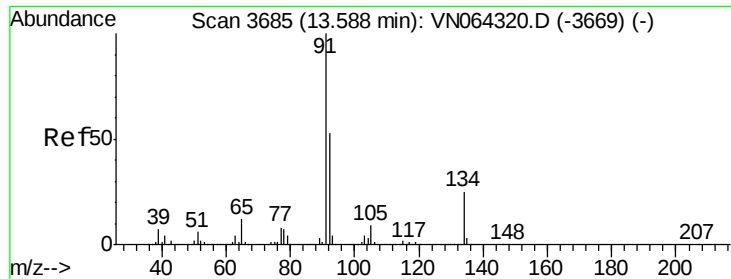
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#88
 1,4-Dichlorobenzene
 Concen: 48.544 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	280962		
111	43.1	21.8	65.4	
148	62.8	31.8	95.3	





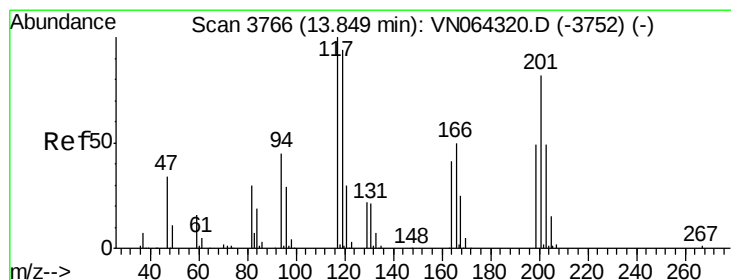
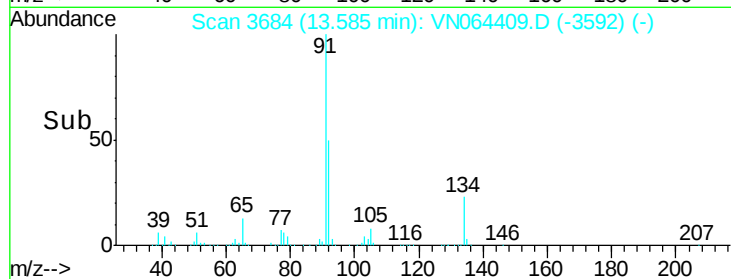
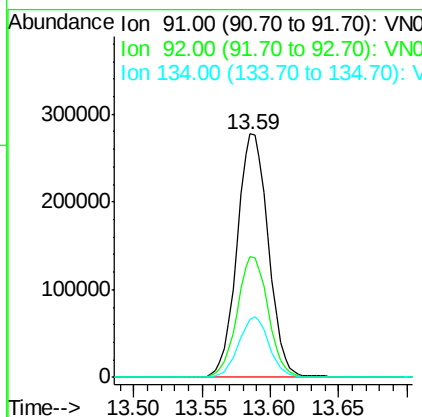
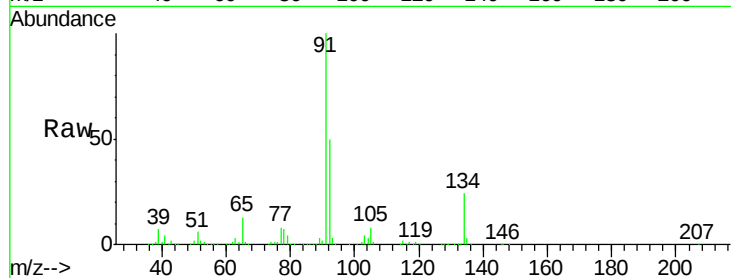
#89
n-Butylbenzene
Concen: 46.669 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	49.5	26.2	78.5	
134	24.1	12.4	37.4	

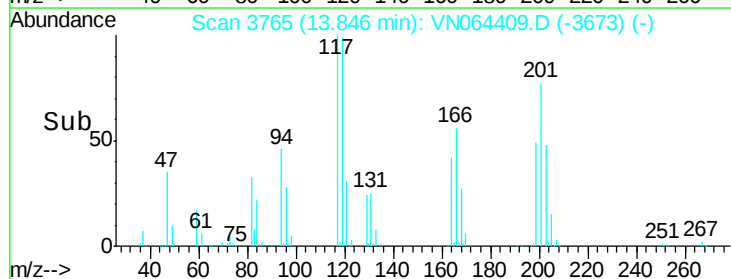
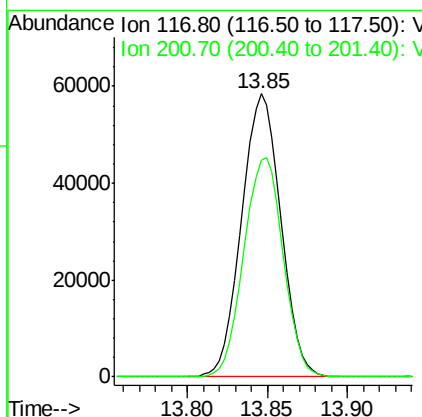
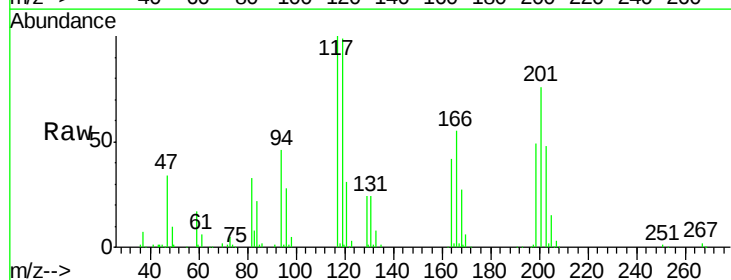
Manual Integrations
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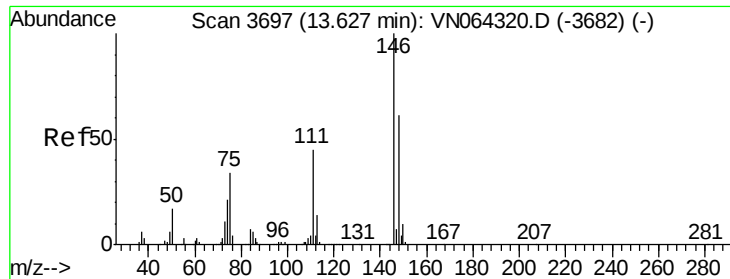
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#90
Hexachloroethane
Concen: 48.541 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064409.D
Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	77.5	39.8	119.3	





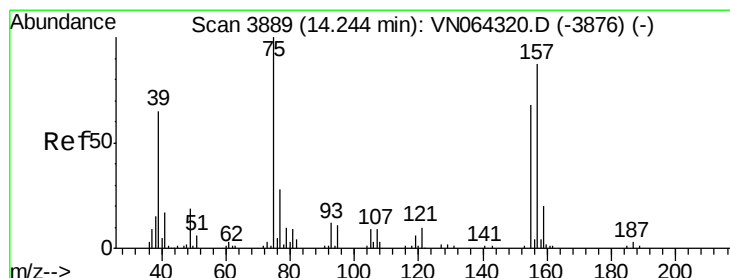
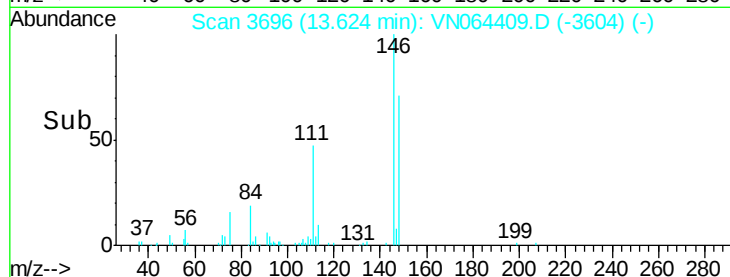
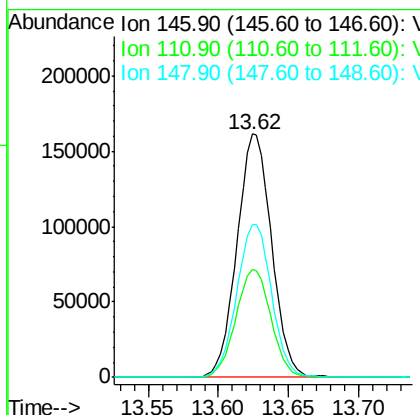
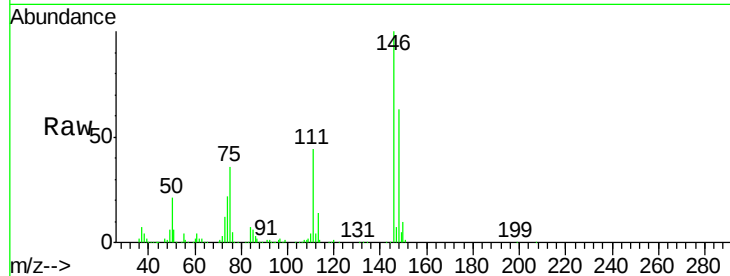
#91
 1,2-Dichlorobenzene
 Concen: 49.151 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	23.0	69.0
148	63.5	32.1	96.3

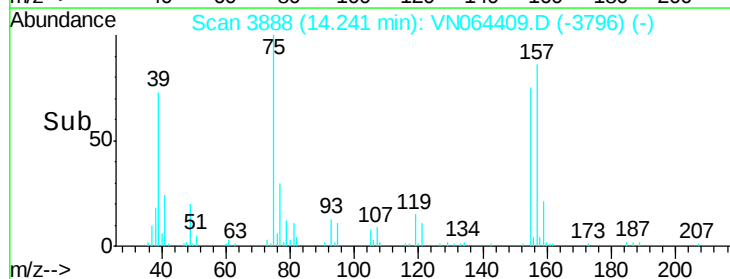
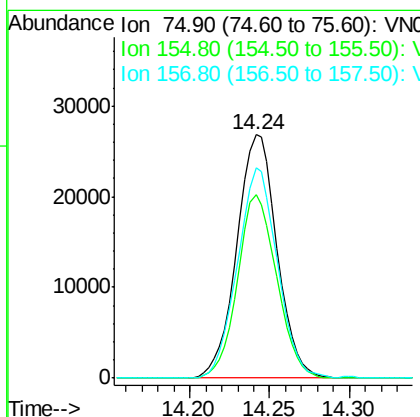
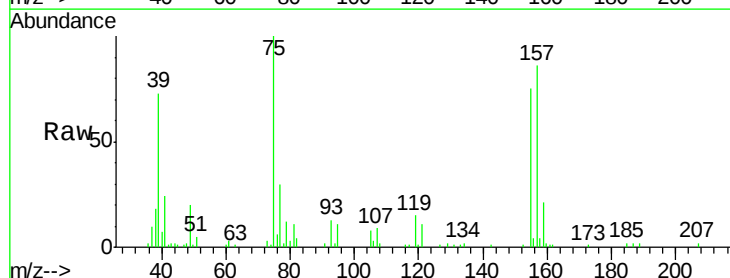
Manual Integrations
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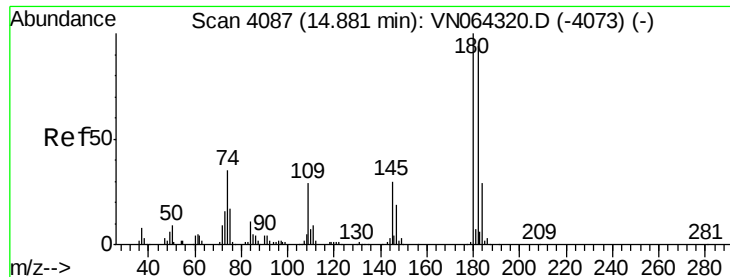
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.938 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	35.1	105.5
157	85.7	43.2	129.6





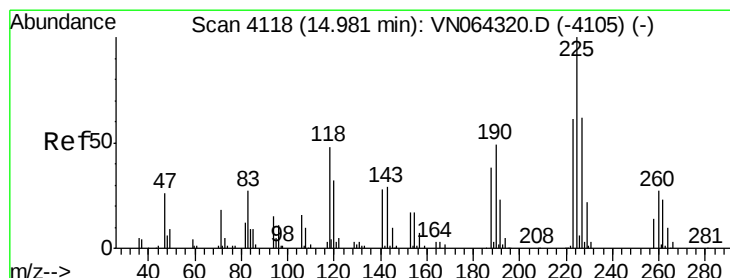
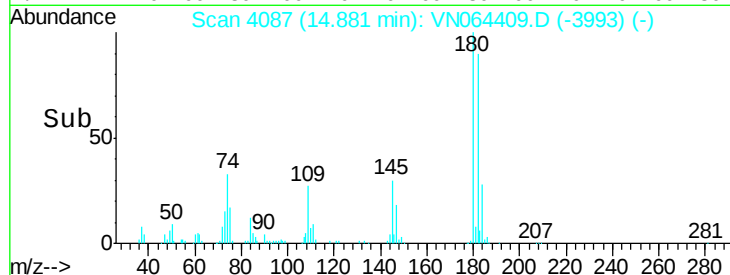
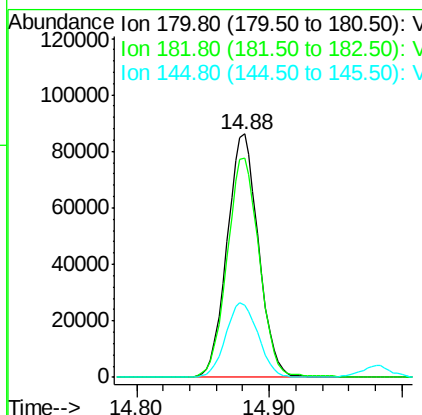
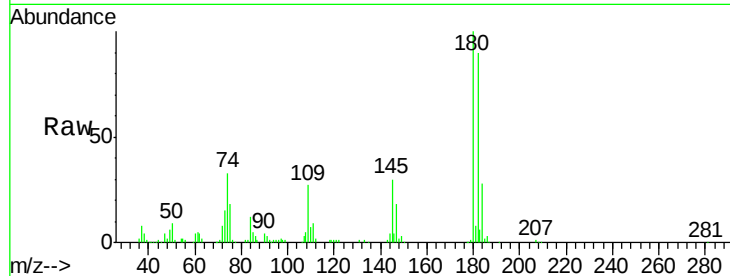
#93
 1,2,4-Trichlorobenzene
 Concen: 43.907 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141731		
182	91.7	46.6	139.7	
145	31.6	15.3	45.9	

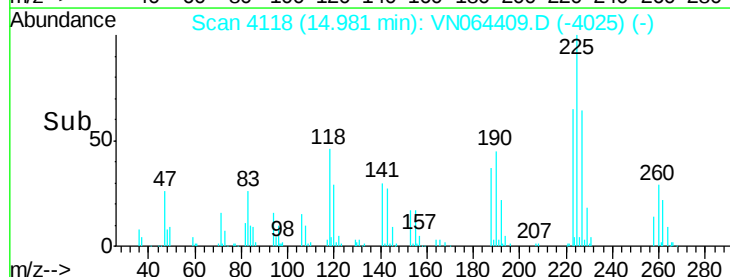
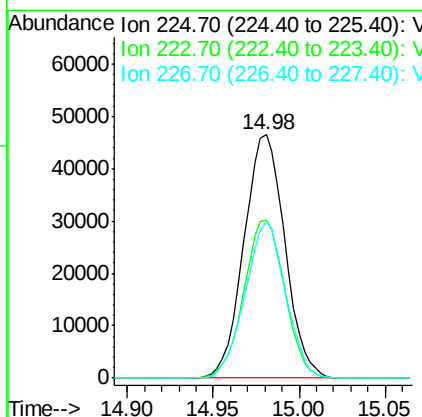
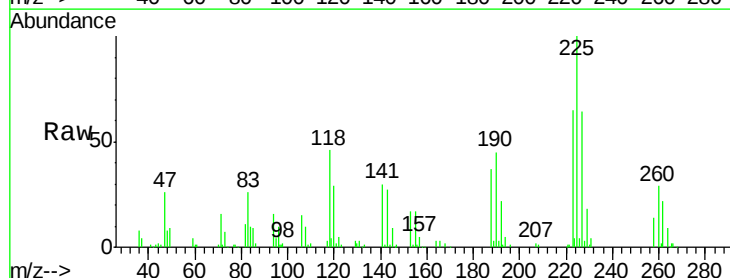
Manual Integrations
 APPROVED

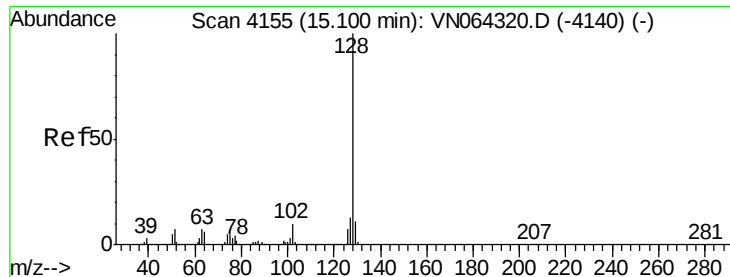
MMDadoda
 11/2/2020 4:12:11 PM



#94
 Hexachlorobutadiene
 Concen: 44.363 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064409.D
 Acq: 30 Oct 2020 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76913		
223	64.6	31.3	93.8	
227	63.0	32.3	96.9	





#95

Naphthalene

Concen: 42.119 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Instrument :

MSVOA_N

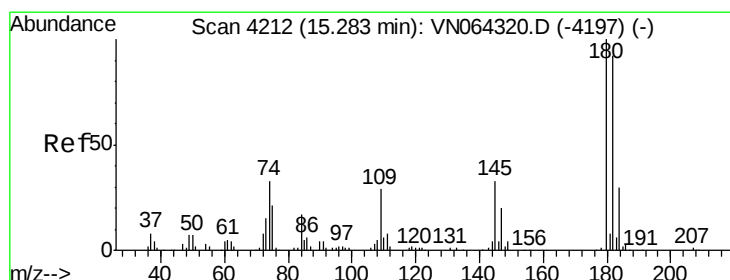
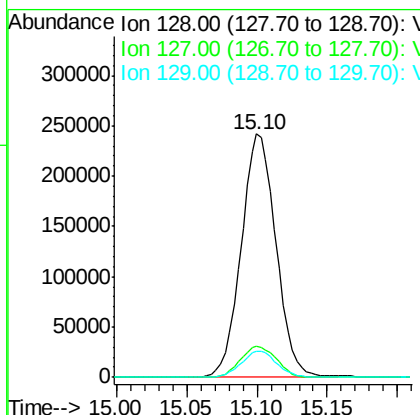
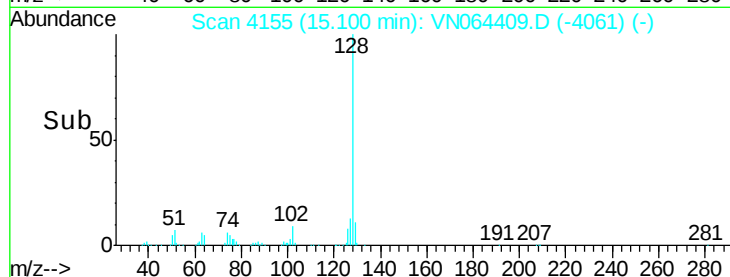
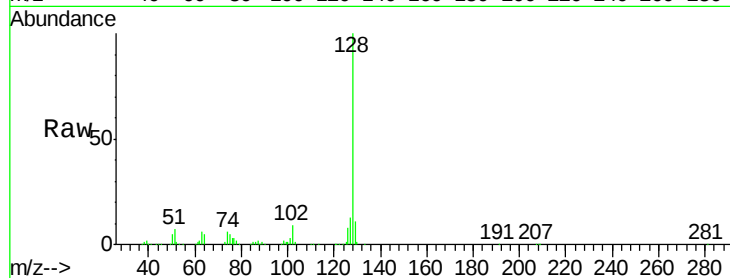
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	417449
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 42.827 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064409.D

Acq: 30 Oct 2020 18:50

Tgt Ion:	180	Resp:	133016
Ion Ratio	Lower	Upper	
180	100		
182	95.8	46.1	138.3
145	33.1	16.2	48.5

